

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120812.D
 Acq On : 9 Jul 2020 12:04
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Manual Integrations
 APPROVED

mohammad
 7/10/2020 11:49:34 AM

Quant Time: Jul 09 12:52:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	133482	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	503573	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	251097	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	442635	20.00	ng	0.00
76) Chrysene-d12	14.00	240	339715	20.00	ng	0.00
86) Perylene-d12	15.46	264	282120	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	851099	98.43	ng	0.00
7) Phenol-d6	6.47	99	1069189	96.82	ng	0.00
23) Nitrobenzene-d5	7.41	82	693781	79.82	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	261991	103.86	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1267318	76.36	ng	0.00
79) Terphenyl-d14	12.96	244	1056206	60.87	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	41357	10.470	ng	99
3) Pyridine	3.36	79	78250	7.232	ng	97
4) n-Nitrosodimethylamine	3.26	42	46724	8.632	ng	97
6) Aniline	6.50	93	134465	9.481	ng	99
8) 2-Chlorophenol	6.63	128	85745	9.314	ng	95
9) Benzaldehyde	6.39	77	74938	11.410	ng	98
10) Phenol	6.48	94	106258	9.354	ng	94
11) bis(2-Chloroethyl)ether	6.58	93	84756	9.169	ng	98
12) 1,3-Dichlorobenzene	6.79	146	93272	9.204	ng	97
13) 1,4-Dichlorobenzene	6.86	146	94434	9.304	ng	100
14) 1,2-Dichlorobenzene	7.02	146	89927	9.313	ng	100
15) Benzyl Alcohol	6.98	79	81262	9.794	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	124825	8.657	ng	99
17) 2-Methylphenol	7.09	107	67430	8.187	ng	98
18) Hexachloroethane	7.36	117	35356	9.268	ng	96
19) n-Nitroso-di-n-propylamine	7.25	70	60763	9.139	ng	99
20) 3+4-Methylphenols	7.24	107	87993	8.675	ng	93
22) Acetophenone	7.25	105	127108	10.155	ng	96
24) Nitrobenzene	7.42	77	94447	9.678	ng	94
25) Isophorone	7.66	82	160290	8.551	ng	97
26) 2-Nitrophenol	7.74	139	31209	8.748	ng	96
27) 2,4-Dimethylphenol	7.77	122	70451	9.415	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	101746	9.172	ng	98
29) 2,4-Dichlorophenol	7.98	162	63366	8.483	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	74861	8.923	ng	99
31) Naphthalene	8.15	128	251200	9.334	ng	98
32) Benzoic acid	7.83	122	25897m	6.395	ng	
33) 4-Chloroaniline	8.19	127	99979	8.755	ng	95
34) Hexachlorobutadiene	8.27	225	43364	8.594	ng	99
35) Caprolactam	8.52	113	17566	8.070	ng	94
36) 4-Chloro-3-methylphenol	8.67	107	66170	8.516	ng	96
37) 2-Methylnaphthalene	8.84	142	158844	9.080	ng	97
38) 1-Methylnaphthalene	8.94	142	150780	9.201	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	72328	9.531	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	36098	8.051	nq	98
43) 2,4,6-Trichlorophenol	9.12	196	40610	7.853	nq	97
44) 2,4,5-Trichlorophenol	9.15	196	43729	7.620	nq	94
46) 1,1'-Biphenyl	9.30	154	202593	10.003	nq	97
47) 2-Chloronaphthalene	9.33	162	143478	8.842	nq	99
48) 2-Nitroaniline	9.42	65	40032	9.221	nq	88
49) Acenaphthylene	9.75	152	227883	8.958	nq	98
50) Dimethylphthalate	9.60	163	159810	8.725	nq	98
51) 2,6-Dinitrotoluene	9.66	165	30034	9.076	nq	88
52) Acenaphthene	9.92	154	138113	8.751	nq	97
53) 3-Nitroaniline	9.83	138	34629	8.470	nq	94
54) 2,4-Dinitrophenol	9.93	184	4491	4.109	nq	# 21
55) Dibenzofuran	10.09	168	208491	9.165	nq	98
56) 4-Nitrophenol	9.97	139	22881	7.620	nq	99
57) 2,4-Dinitrotoluene	10.06	165	35880	9.031	nq	95
58) Fluorene	10.43	166	157459	9.299	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	35437	8.298	nq	# 88
60) Diethylphthalate	10.30	149	160474	8.410	nq	98
61) 4-Chlorophenyl-phenylether	10.42	204	76331	8.967	nq	94
62) 4-Nitroaniline	10.43	138	33613	8.637	nq	94
63) Azobenzene	10.59	77	174482	8.939	nq	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	9367	6.586	nq	97
66) n-Nitrosodiphenylamine	10.54	169	132406	8.925	nq	100
67) 4-Bromophenyl-phenylether	10.92	248	41396	8.062	nq	97
68) Hexachlorobenzene	10.97	284	45307	8.409	nq	98
69) Atrazine	11.06	200	37645	9.849	nq	95
70) Pentachlorophenol	11.17	266	19606	6.432	nq	97
71) Phenanthrene	11.39	178	218565	9.100	nq	99
72) Anthracene	11.44	178	222422	9.165	nq	99
73) Carbazole	11.59	167	202196	8.670	nq	99
74) Di-n-butylphthalate	11.93	149	229803	7.959	nq	99
75) Fluoranthene	12.58	202	219887	8.595	nq	96
77) Benzidine	12.70	184	89314	9.314	nq	96
78) Pyrene	12.80	202	230780	8.506	nq	98
80) Butylbenzylphthalate	13.43	149	80234	6.850	nq	99
81) Benzo(a)anthracene	13.99	228	196500	9.024	nq	100
82) 3,3'-Dichlorobenzidine	13.96	252	58941	8.021	nq	# 95
83) Chrysene	14.03	228	183143	8.245	nq	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	123792	8.059	nq	# 99
85) Di-n-octyl phthalate	14.61	149	164218	6.043	nq	97
87) Indeno(1,2,3-cd)pyrene	16.91	276	140550	7.767	nq	97
88) Benzo(b)fluoranthene	15.04	252	146781	7.914	nq	98
89) Benzo(k)fluoranthene	15.07	252	160529	8.895	nq	98
90) Benzo(a)pyrene	15.40	252	132081	7.983	nq	98
91) Dibenzo(a,h)anthracene	16.93	278	121667	8.067	nq	99
92) Benzo(g,h,i)perylene	17.34	276	114830	8.331	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

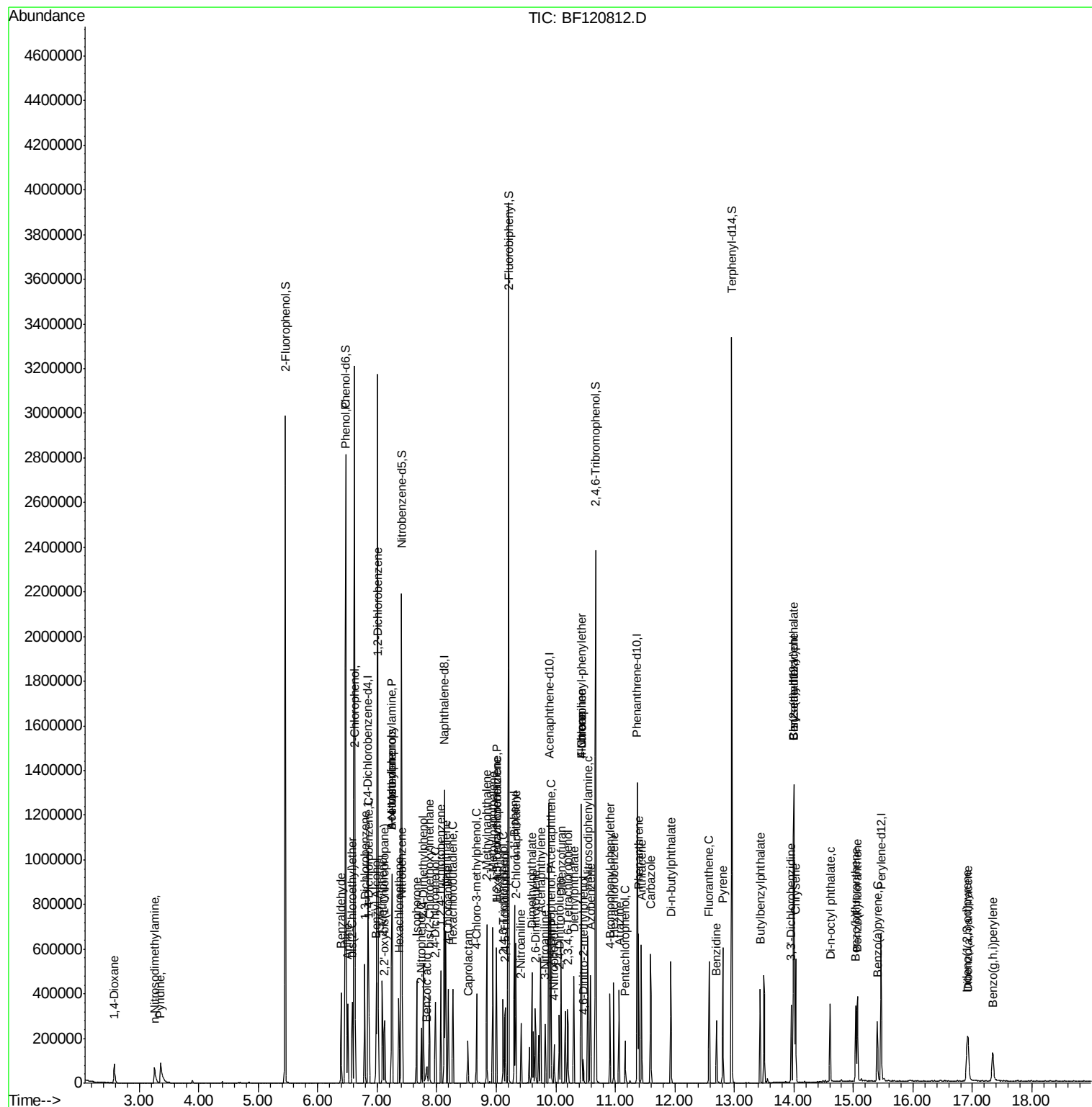
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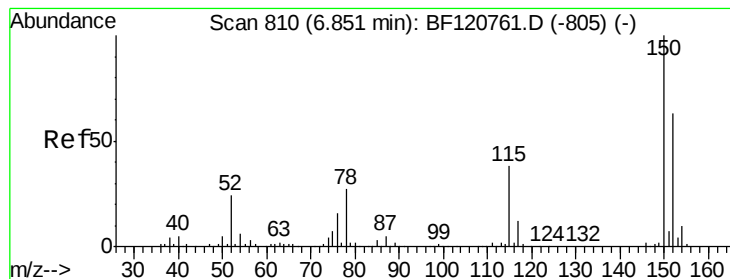
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

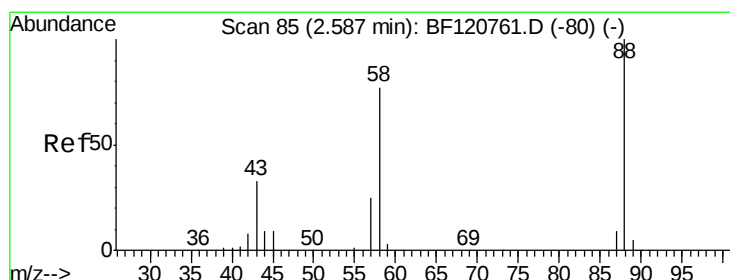
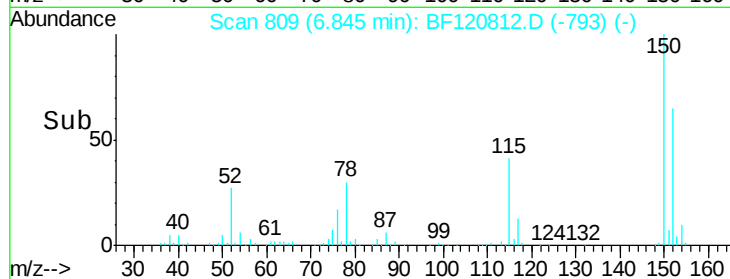
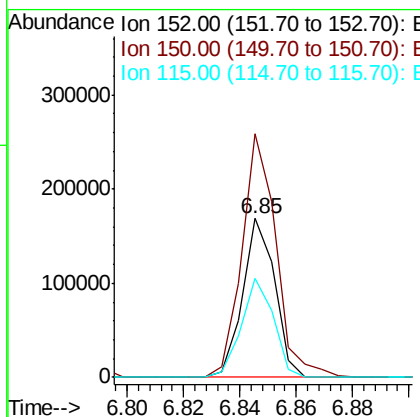
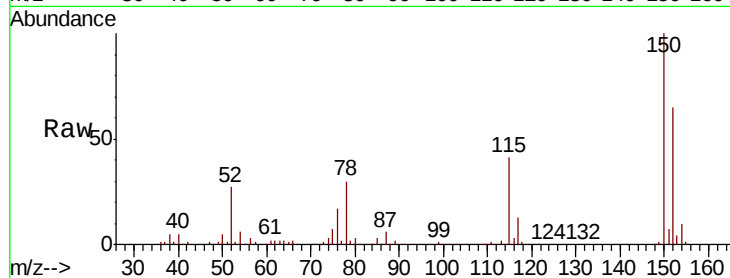
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	152	Resp:	133482
Ion Ratio	Lower	Upper	
152	100		
150	153.4	126.1	189.1
115	62.3	48.5	72.7

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#2

1,4-Dioxane

Concen: 10.470 ng

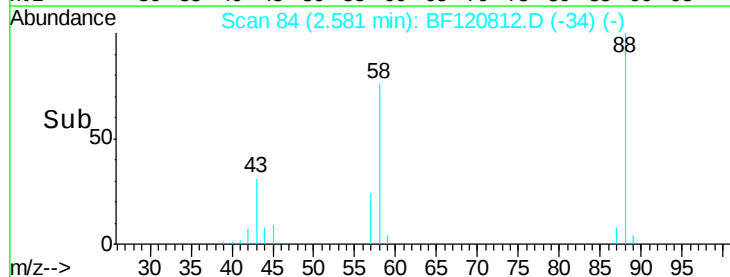
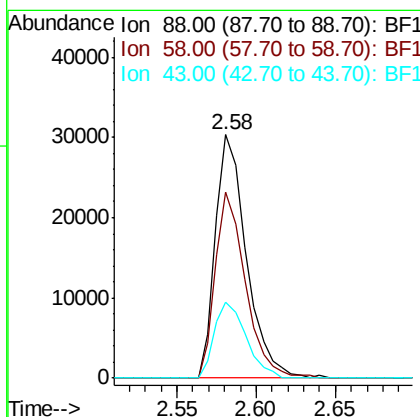
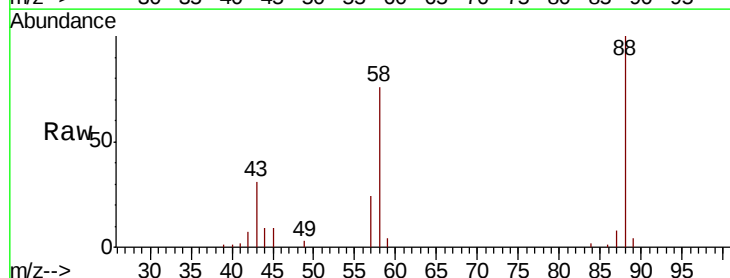
RT: 2.58 min Scan# 84

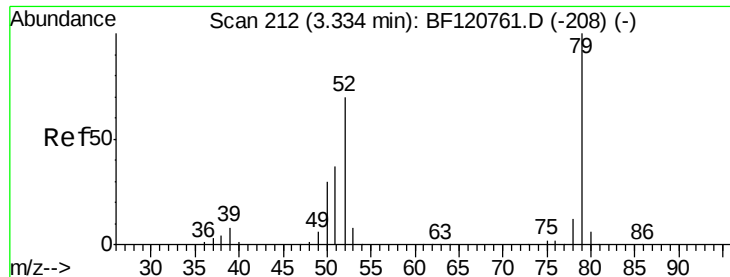
Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:	88	Resp:	41357
Ion Ratio	Lower	Upper	
88	100		
58	74.5	60.4	90.6
43	31.9	26.3	39.5





#3

Pvridine

Concen: 7.232 ng

RT: 3.36 min Scan# 216

Delta R.T. 0.02 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

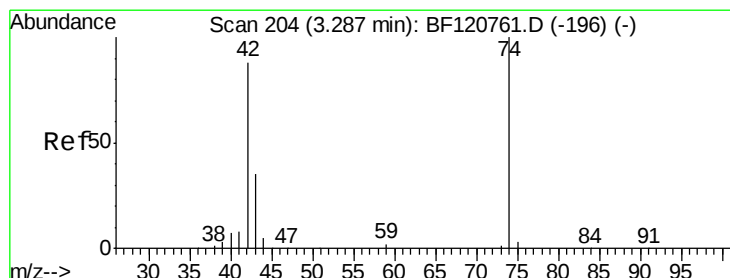
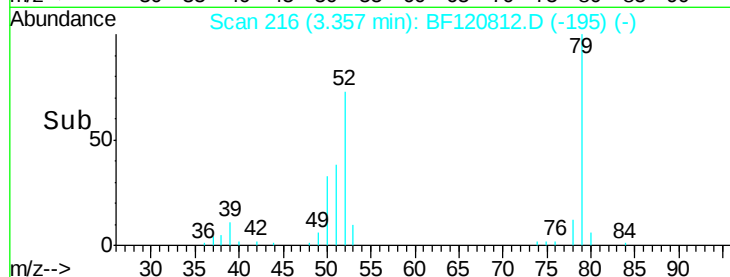
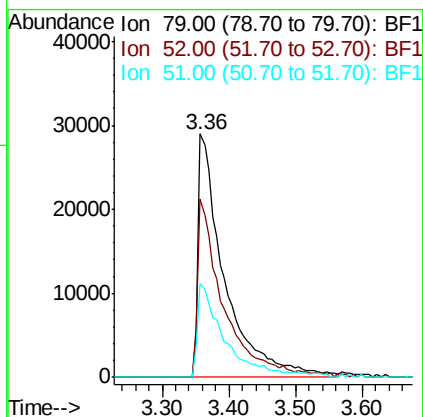
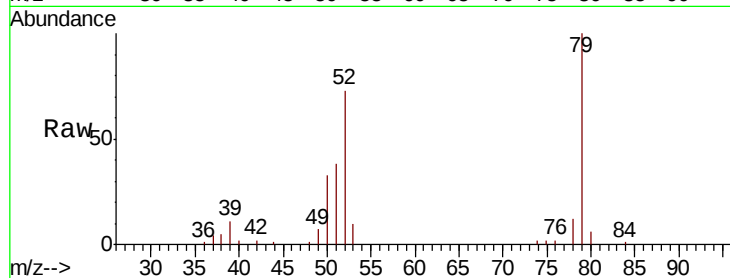
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	79	Resp:	78250
Ion	Ratio	Lower	Upper
79	100		
52	73.1	56.3	84.5
51	38.3	30.1	45.1

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#4

n-Nitrosodimethylamine

Concen: 8.632 ng

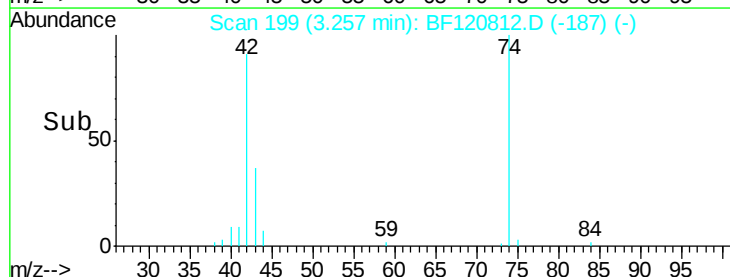
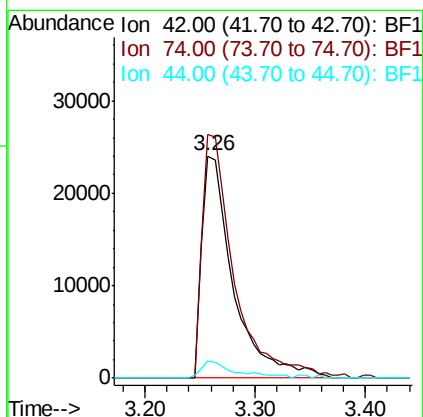
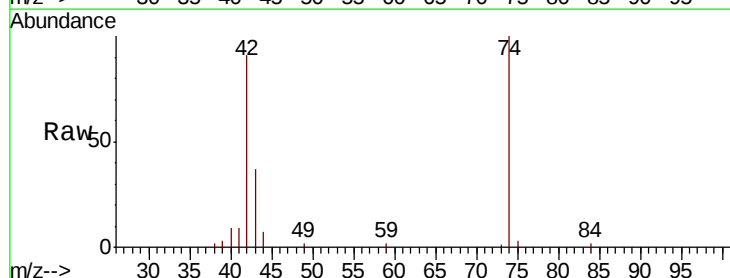
RT: 3.26 min Scan# 199

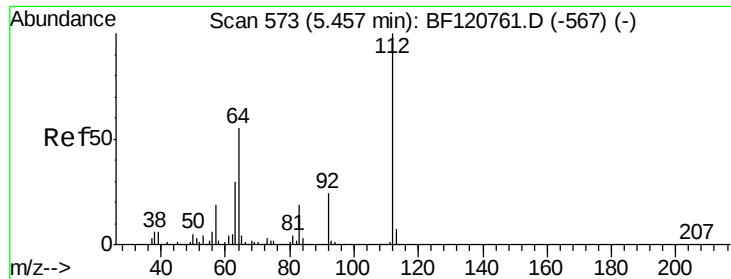
Delta R.T. -0.03 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:	42	Resp:	46724
Ion	Ratio	Lower	Upper
42	100		
74	109.6	90.8	136.2
44	7.9	5.8	8.8





#5

2-Fluorophenol

Concen: 98.425 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

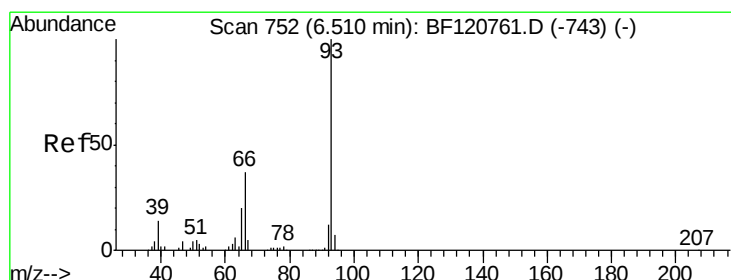
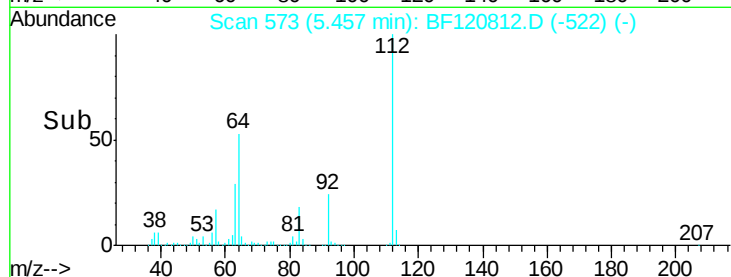
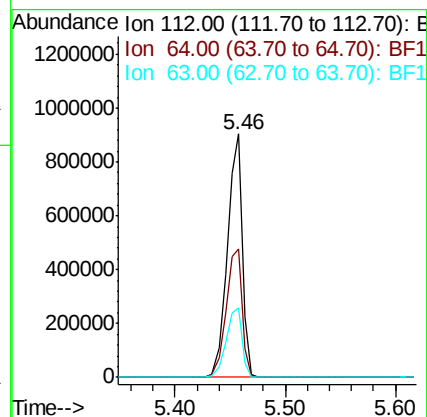
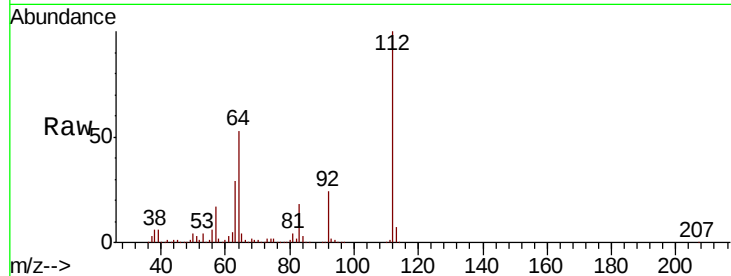
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	851099		
64	53.0		43.8	65.6
63	28.6		23.6	35.4

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#6

Aniline

Concen: 9.481 ng

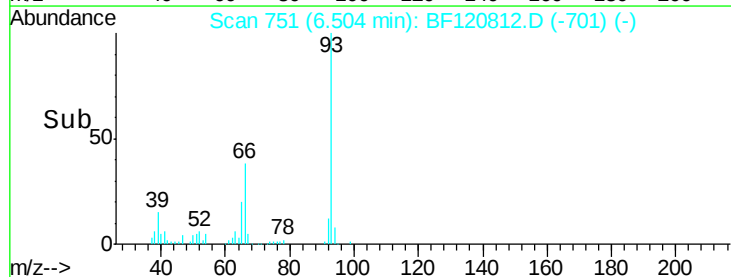
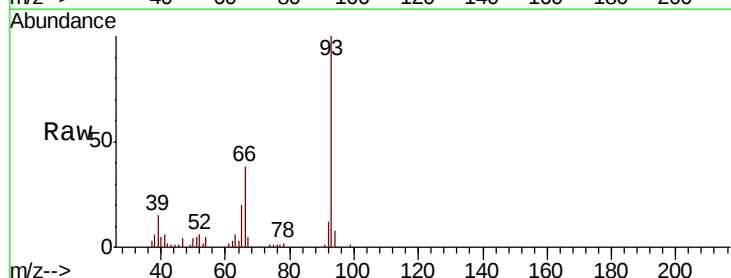
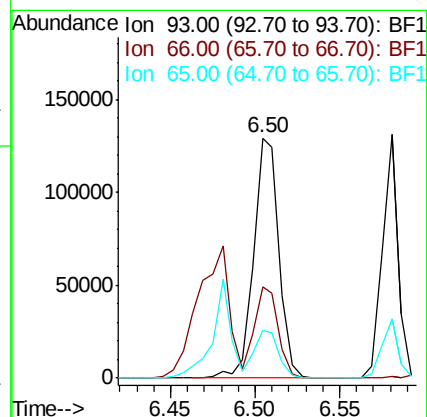
RT: 6.50 min Scan# 751

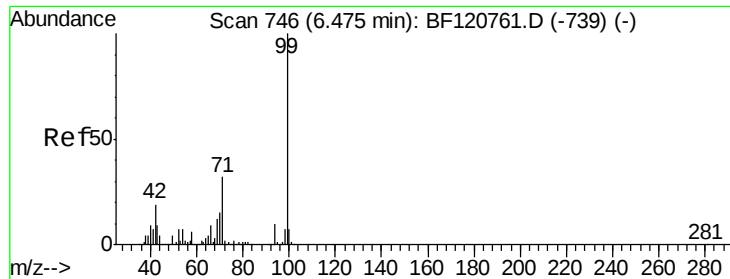
Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	134465		
66	38.3		31.3	46.9
65	20.0		16.5	24.7





#7

Phenol-d6

Concen: 96.822 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

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LOQ-SOIL-02-QT3-2020

Tot Ion: 99 Resp: 1069189

Ion Ratio Lower Upper

99 100

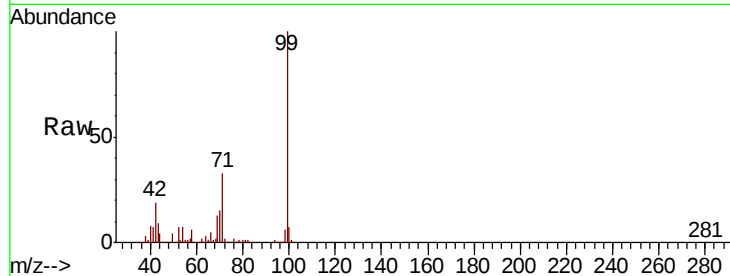
42 19.3 15.4 23.0

71 33.0 25.9 38.9

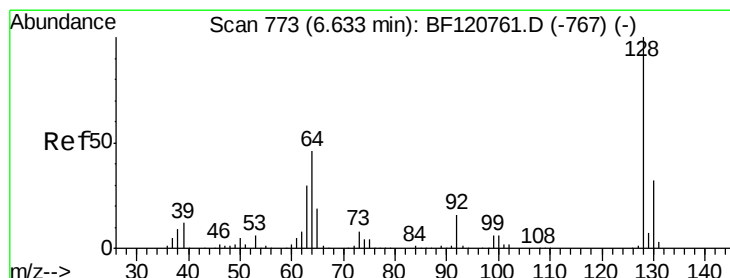
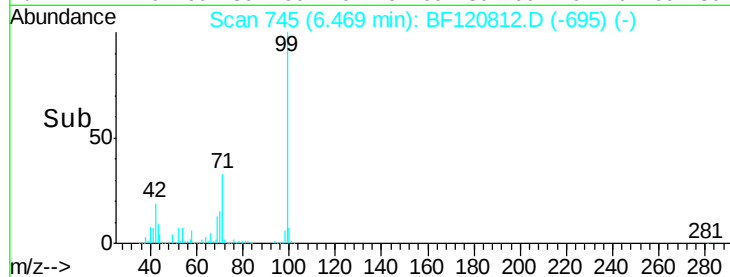
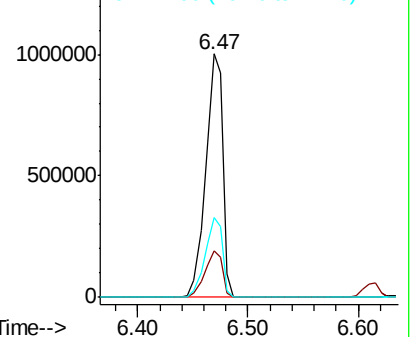
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 9.314 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

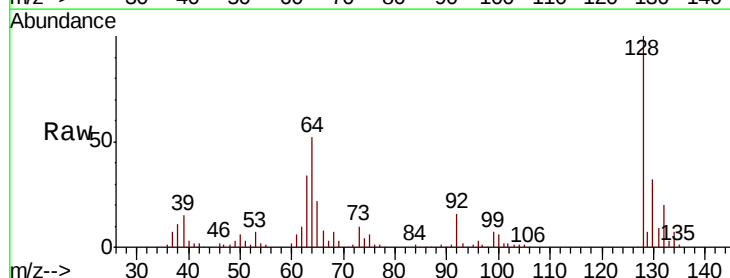
Tgt Ion: 128 Resp: 85745

Ion Ratio Lower Upper

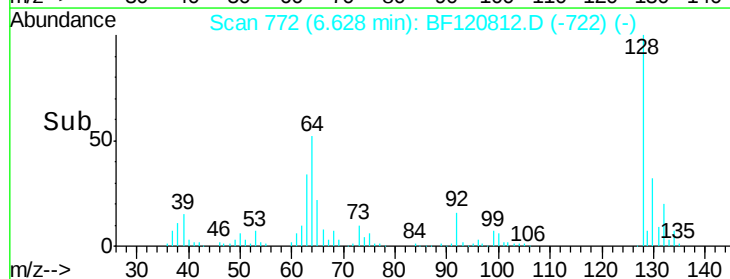
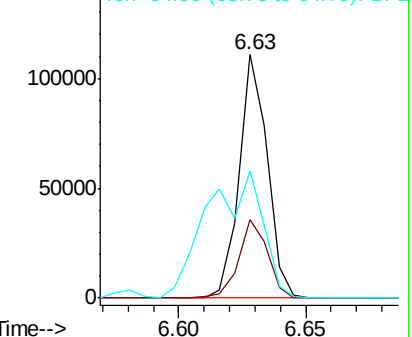
128 100

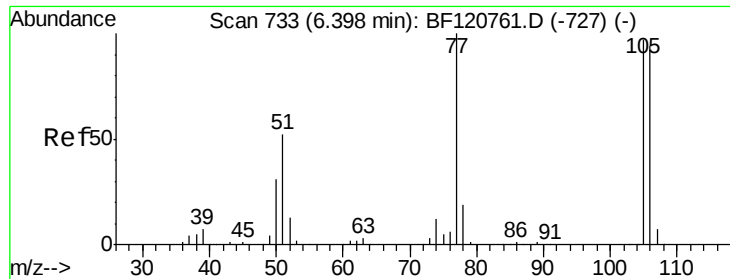
130 32.1 12.1 52.1

64 52.0 26.3 66.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 11.410 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

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Acq: 9 Jul 2020 12:04

Instrument :

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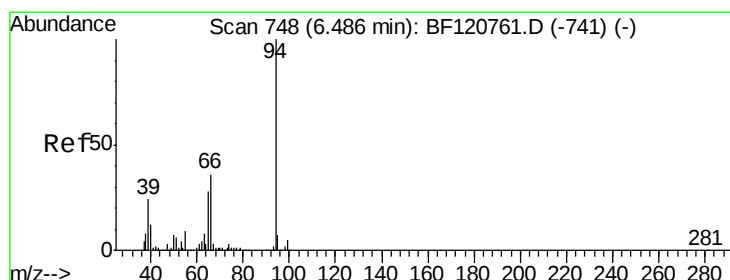
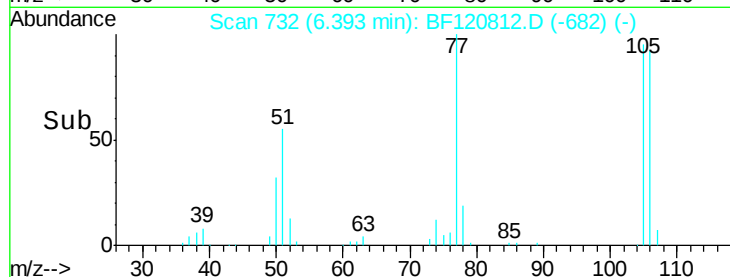
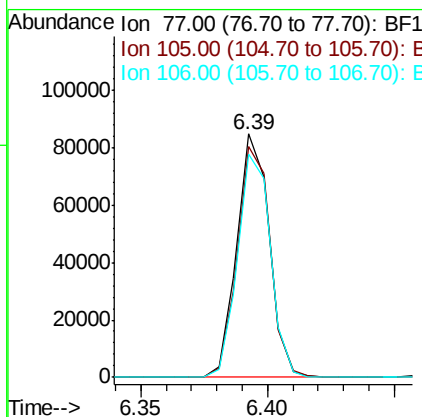
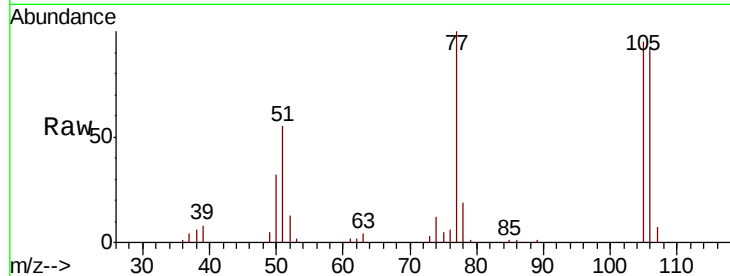
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	77	Resp:	74938
Ion	Ratio	Lower	Upper
77	100		
105	94.9	76.8	116.8
106	91.6	73.8	113.8

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#10

Phenol

Concen: 9.354 ng

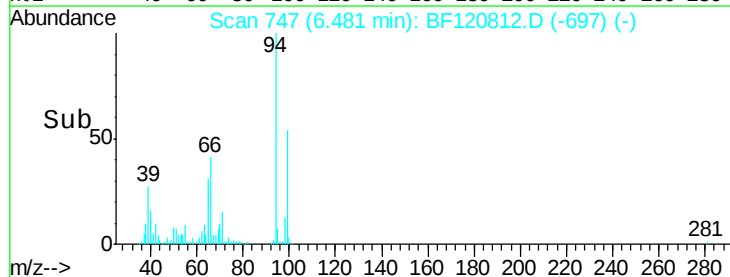
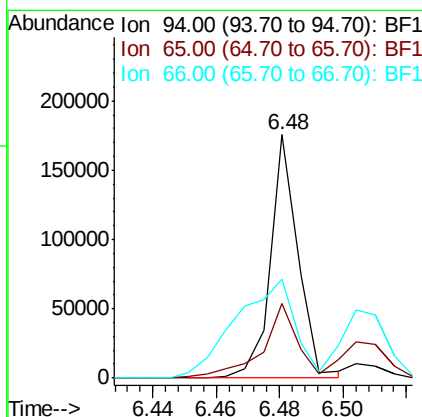
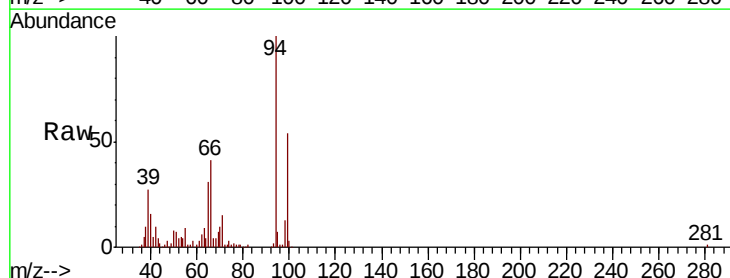
RT: 6.48 min Scan# 747

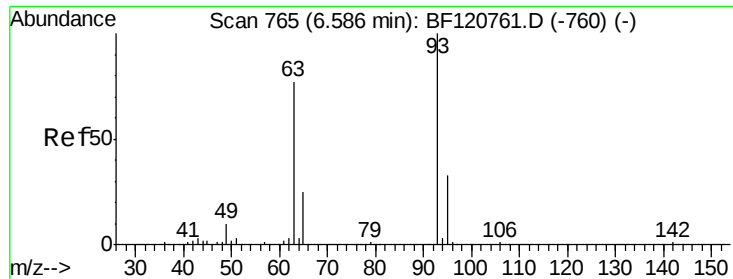
Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:	94	Resp:	106258
Ion	Ratio	Lower	Upper
94	100		
65	30.6	8.4	48.4
66	40.5	16.5	56.5





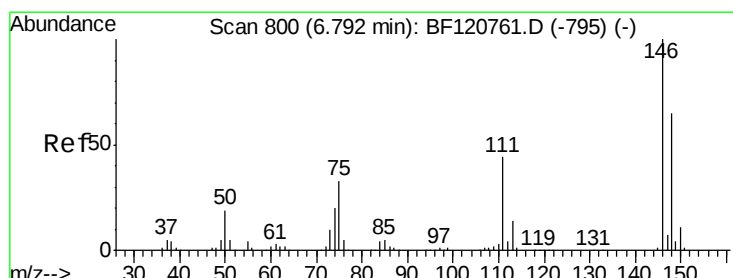
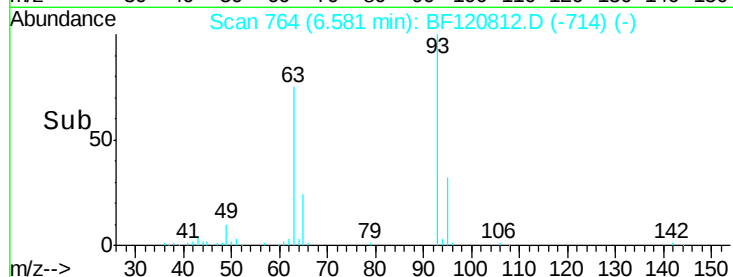
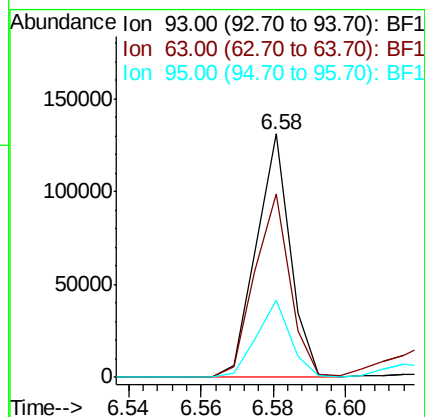
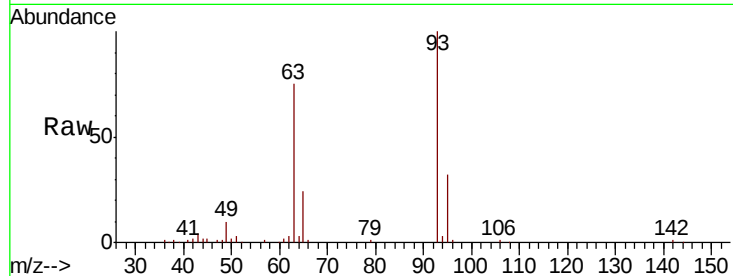
#11
bis(2-Chloroethyl)ether
Concen: 9.169 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	93	Resp:	84756
Ion Ratio	Lower	Upper	
93	100		
63	75.3	56.9	96.9
95	31.7	13.3	53.3

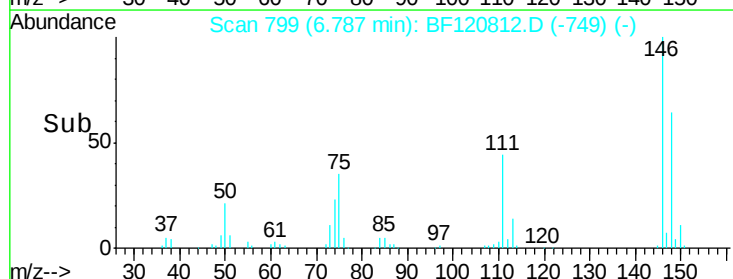
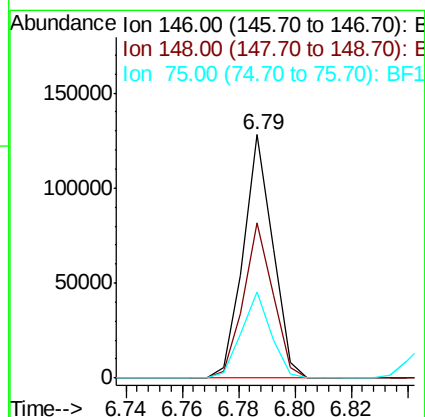
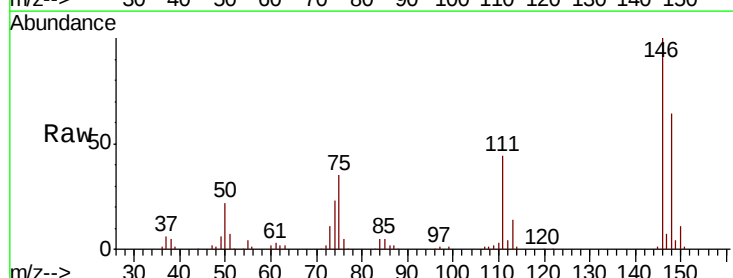
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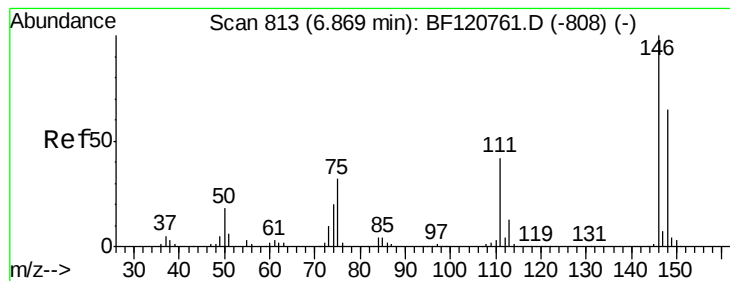
mohammad
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#12
1,3-Dichlorobenzene
Concen: 9.204 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:	146	Resp:	93272
Ion Ratio	Lower	Upper	
146	100		
148	63.5	52.1	78.1
75	35.4	26.0	39.0





#13

1,4-Dichlorobenzene

Concen: 9.304 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

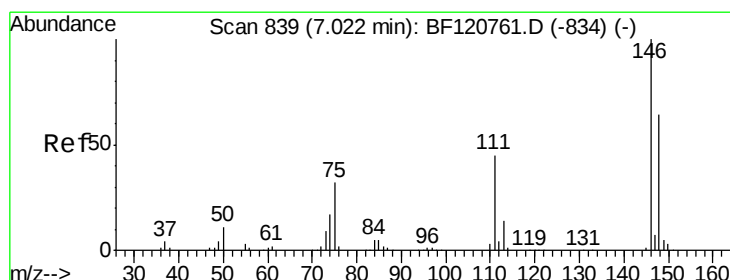
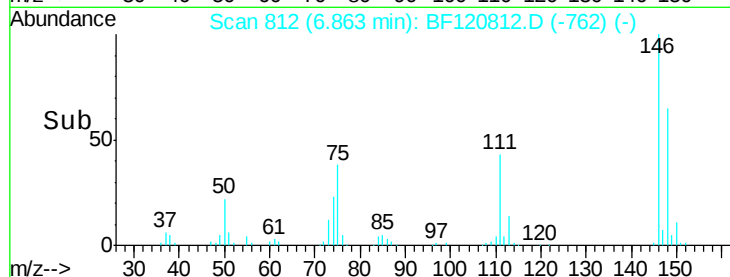
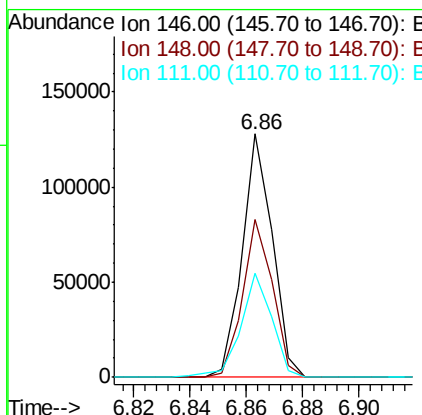
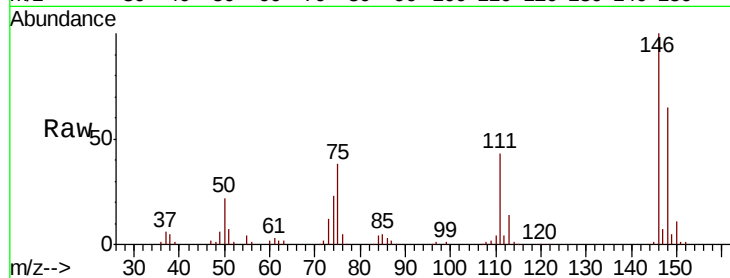
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	146	Resp:	94434
Ion Ratio	Lower	Upper	
146	100		
148	64.7	51.8	77.6
111	42.5	33.7	50.5

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#14

1,2-Dichlorobenzene

Concen: 9.313 ng

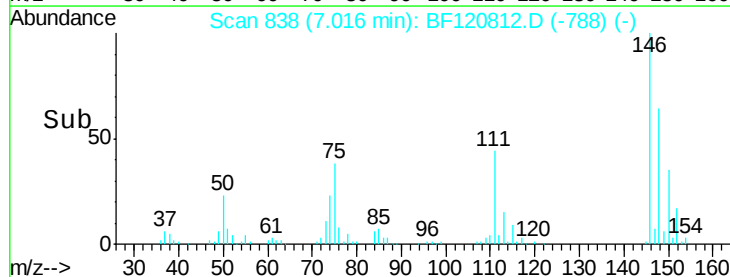
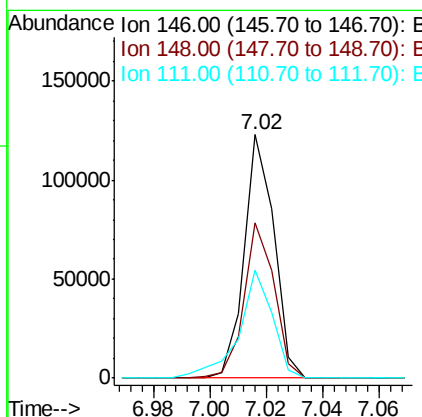
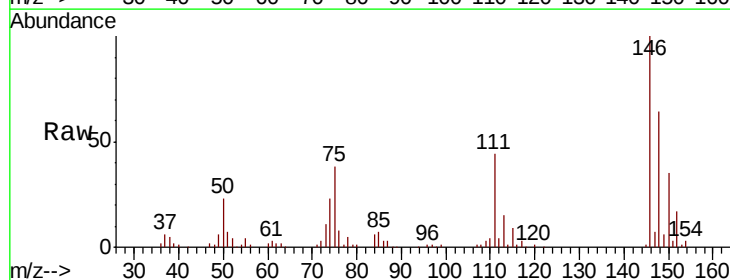
RT: 7.02 min Scan# 838

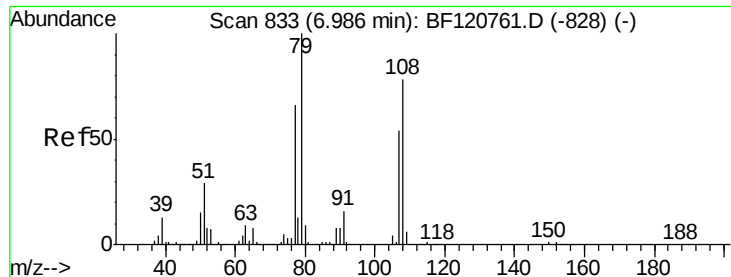
Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:	146	Resp:	89927
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.0	76.4
111	44.5	35.7	53.5





#15

Benzyl Alcohol

Concen: 9.794 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

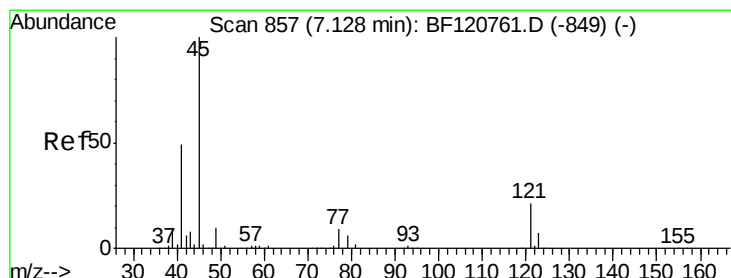
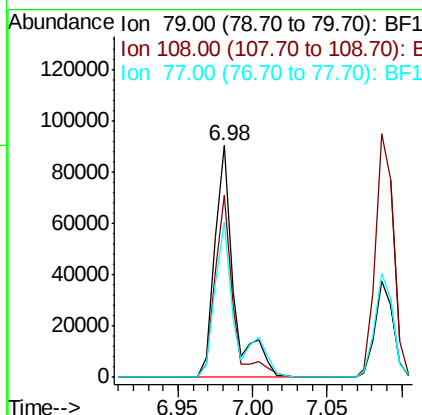
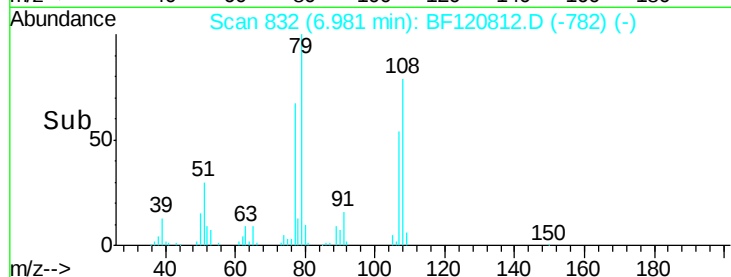
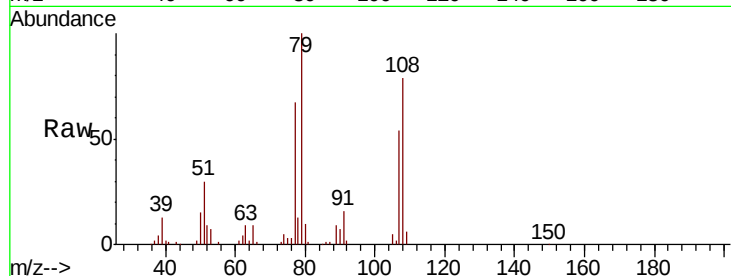
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	79	Resp:	81262
Ion Ratio	Lower	Upper	
79	100		
108	78.7	62.4	93.6
77	66.9	52.7	79.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 8.657 ng

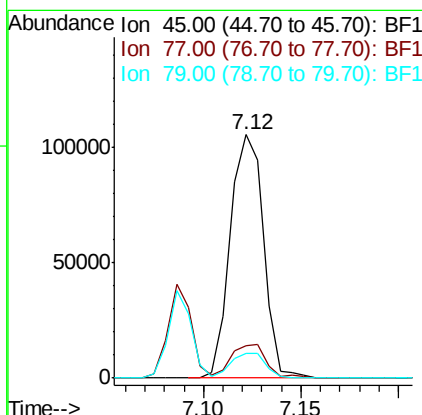
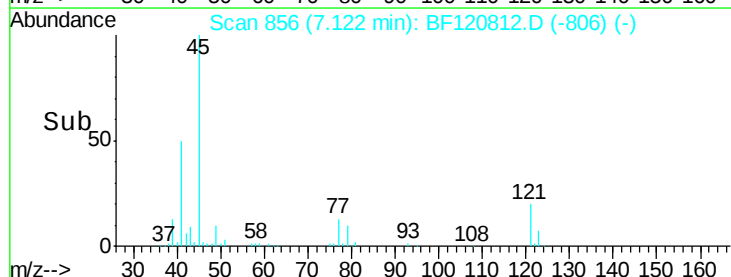
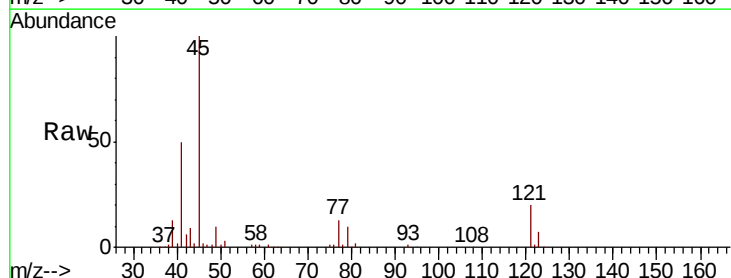
RT: 7.12 min Scan# 856

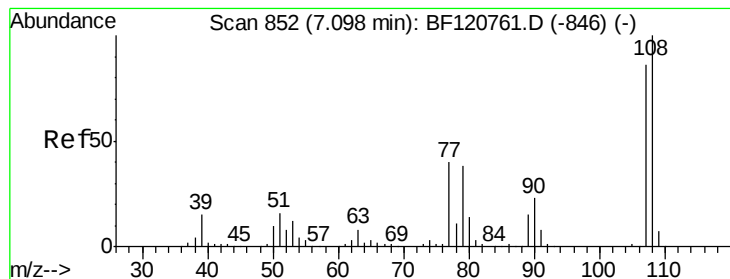
Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:	45	Resp:	124825
Ion Ratio	Lower	Upper	
45	100		
77	13.2	0.0	33.7
79	10.3	0.0	30.5





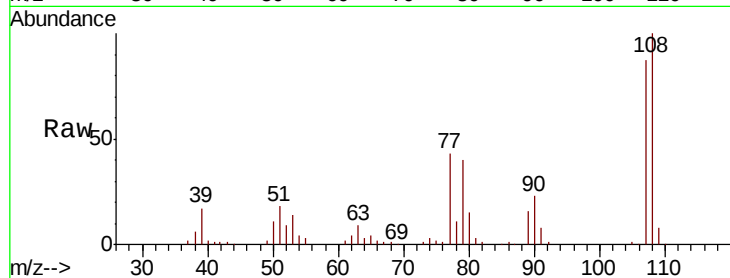
#17
2-Methylphenol
Concen: 8.187 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	107	Resp	67430
Ion	Ratio	Lower	Upper
107	100		
108	114.9	93.1	139.7
77	49.0	37.3	55.9
79	45.8	35.3	52.9

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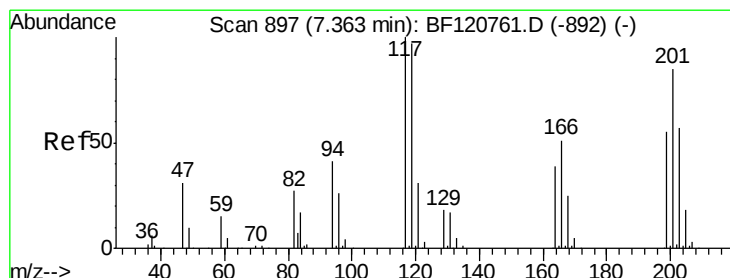
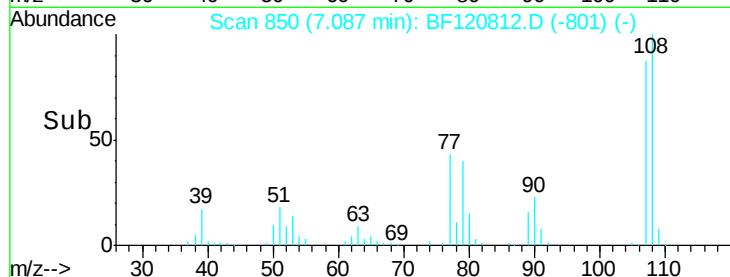
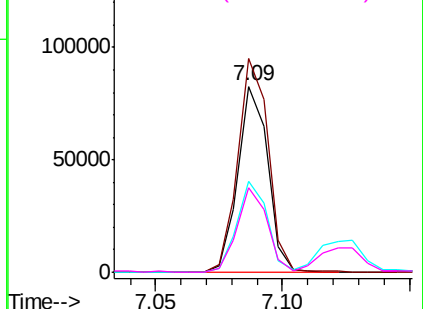
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 9.268 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

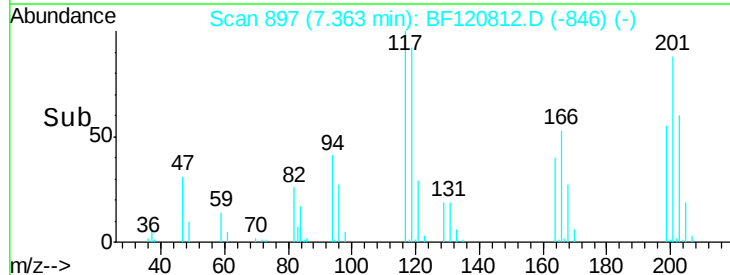
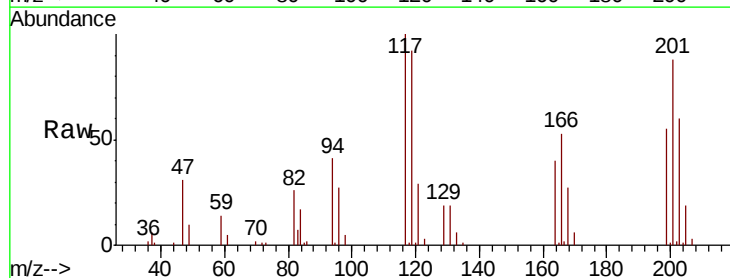
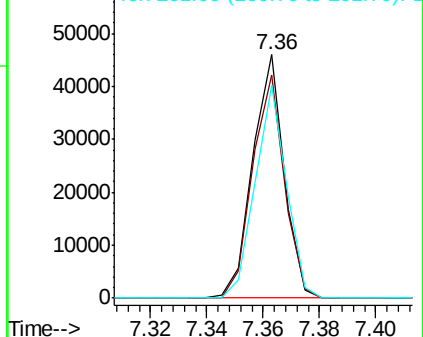
Tgt Ion	117	Resp	35356
Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.9	116.9
201	87.5	68.3	102.5

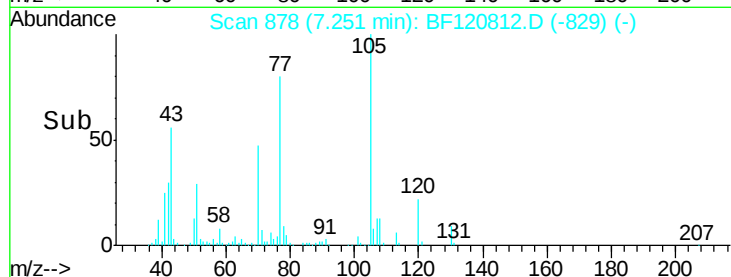
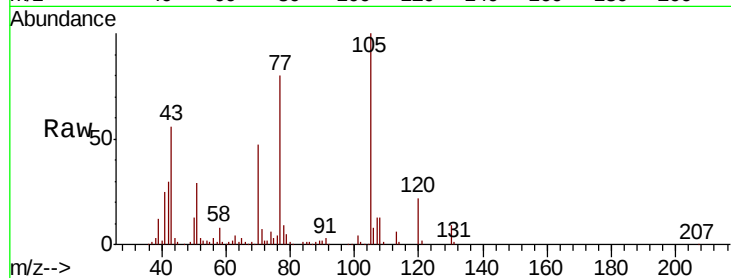
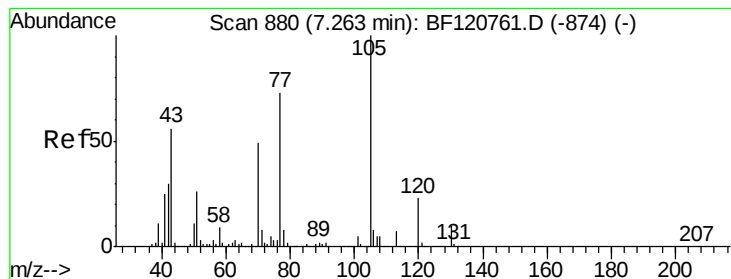
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 9.139 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 70 Resp: 60763

Ion Ratio Lower Upper

70 100

42 63.0 50.3 75.5

101 8.2 7.5 11.3

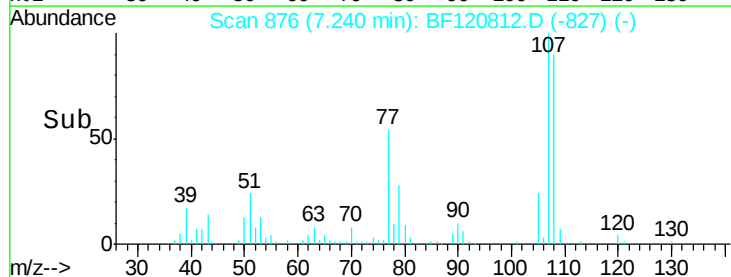
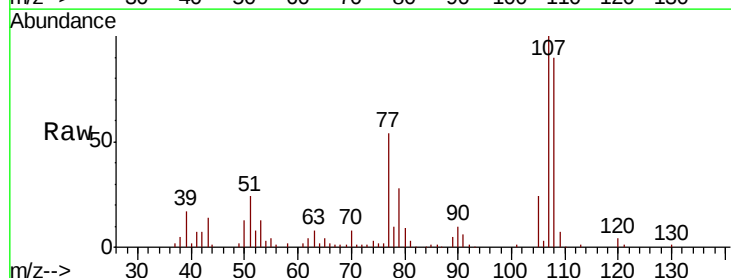
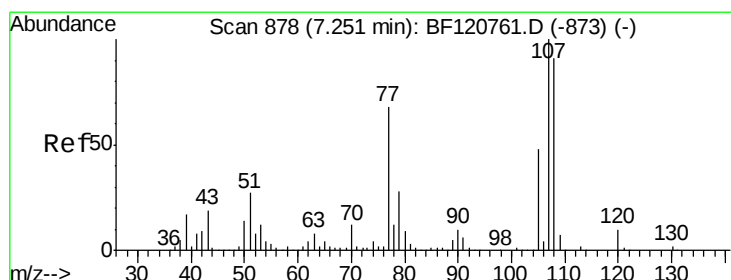
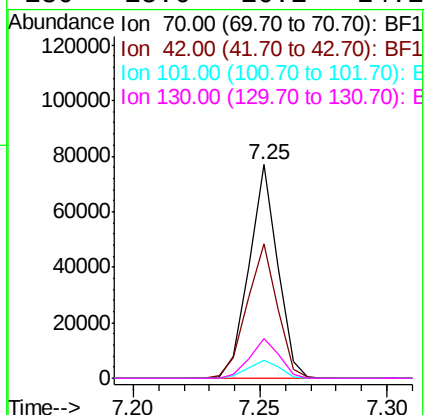
130 18.6 16.1 24.1

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#20

3+4-Methylphenols

Concen: 8.675 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion: 107 Resp: 87993

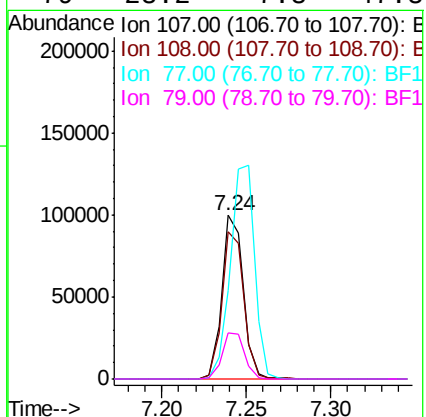
Ion Ratio Lower Upper

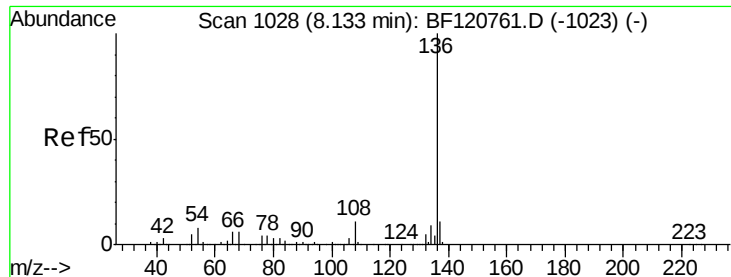
107 100

108 90.1 70.9 110.9

77 54.1 48.3 88.3

79 28.2 7.8 47.8





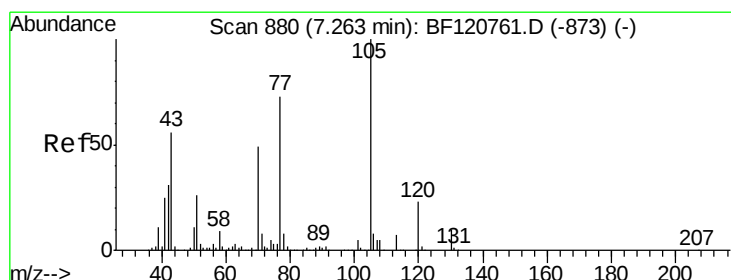
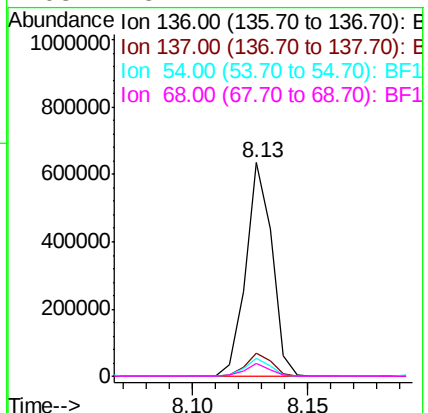
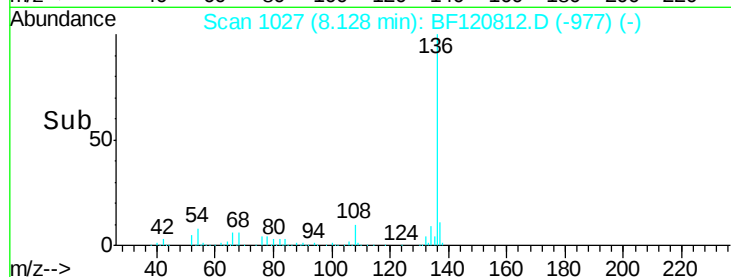
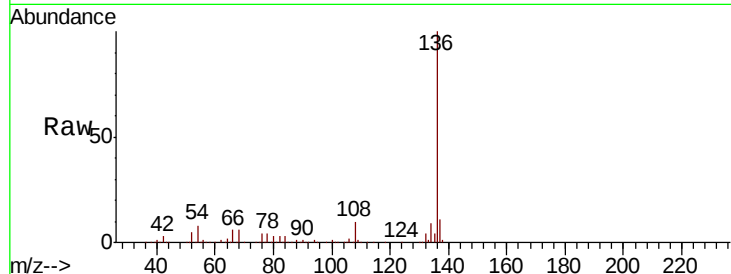
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.0	13.6	
54	8.5	6.2	9.4	
68	5.7	4.7	7.1	

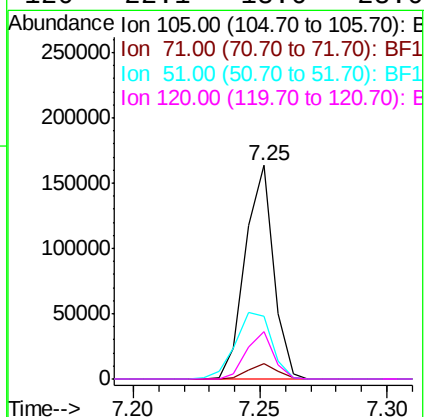
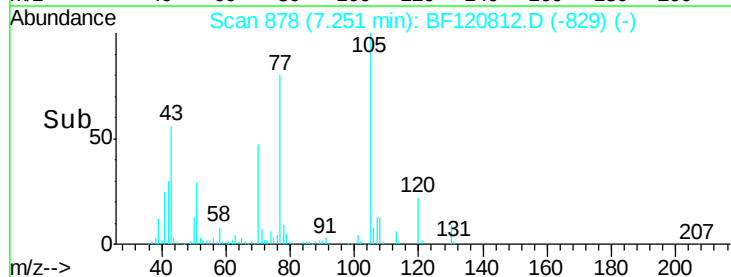
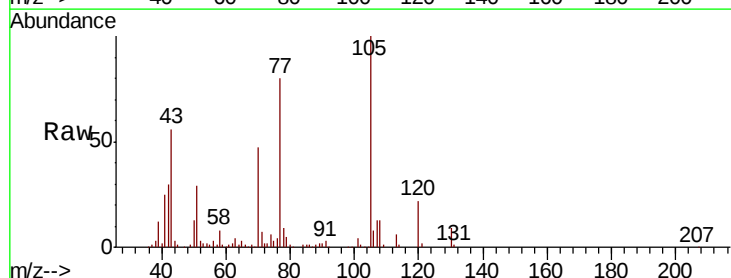
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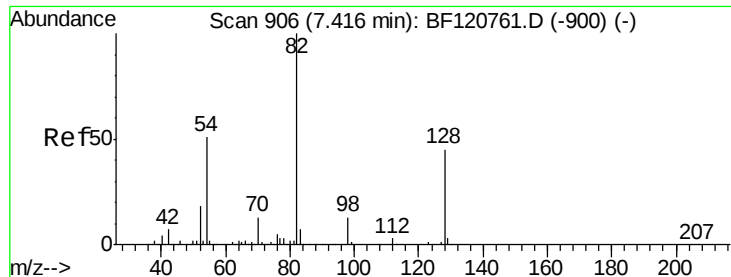
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#22
Acetophenone
Concen: 10.155 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.3	6.5	9.7	
51	29.5	21.0	31.4	
120	22.1	18.6	28.0	





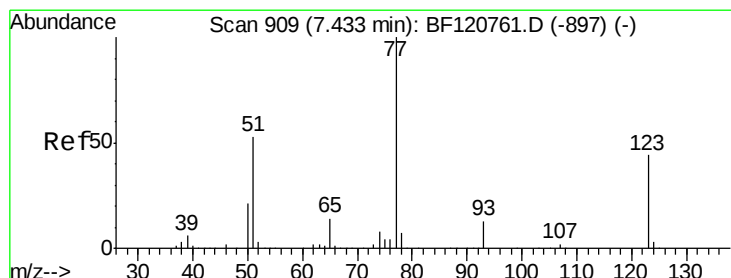
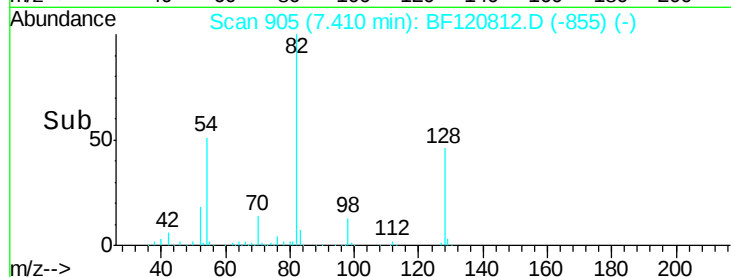
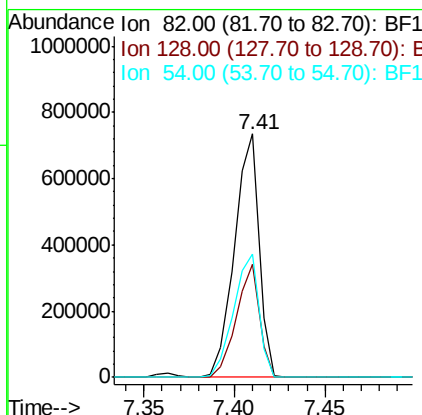
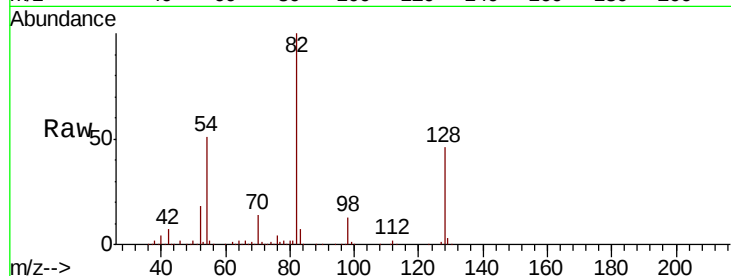
#23
Nitrobenzene-d5
Concen: 79.822 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.7	53.5
54	50.6	40.9	61.3

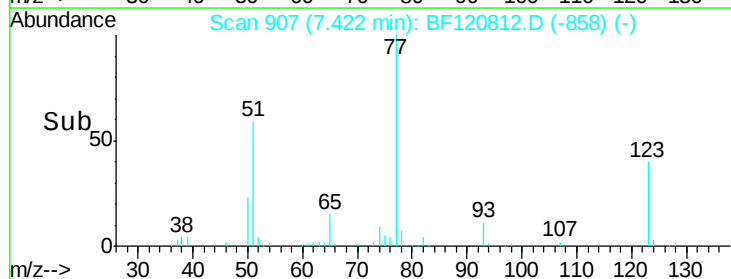
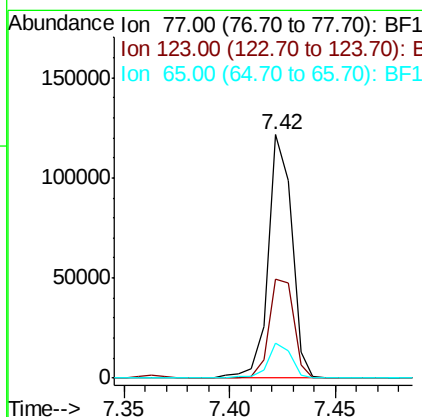
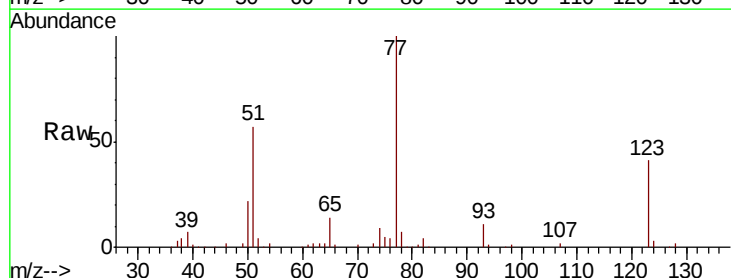
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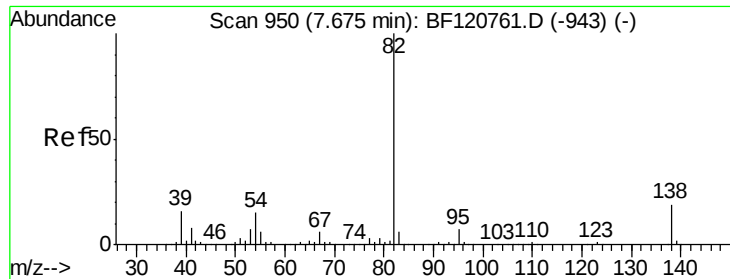
mohammad
7/10/2020 11:49:34 AM



#24
Nitrobenzene
Concen: 9.678 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.6	36.1	54.1
65	14.2	11.0	16.4





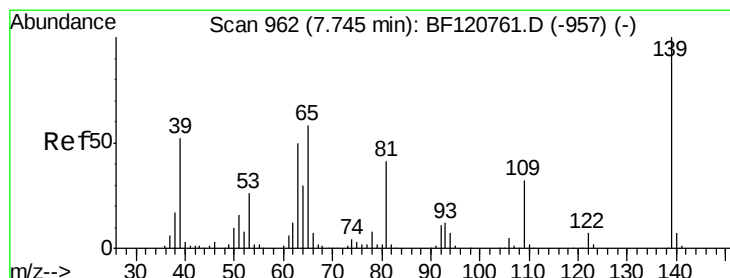
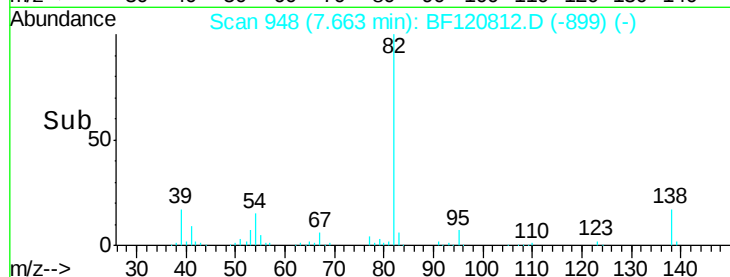
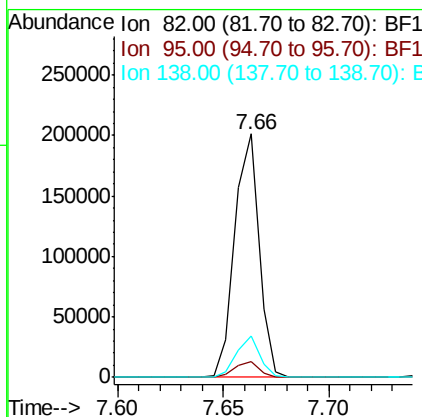
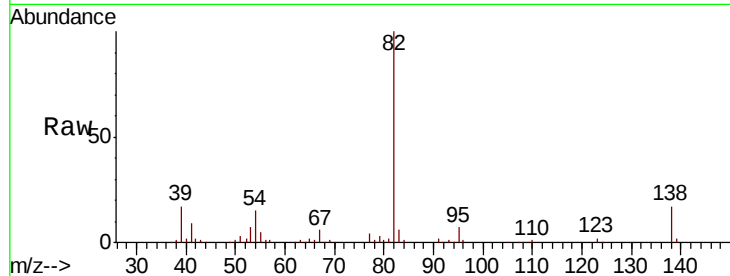
#25
Isophorone
Concen: 8.551 ng
RT: 7.66 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
82	100	160290		
95	6.6		5.4	8.2
138	16.7		15.0	22.4

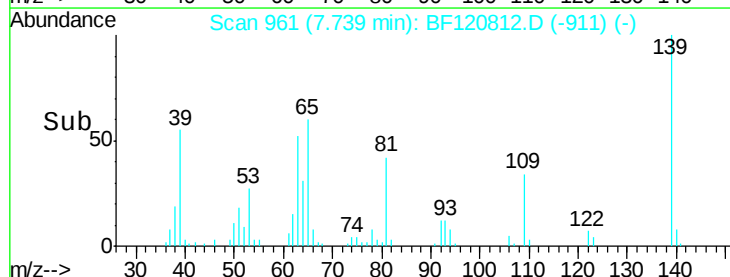
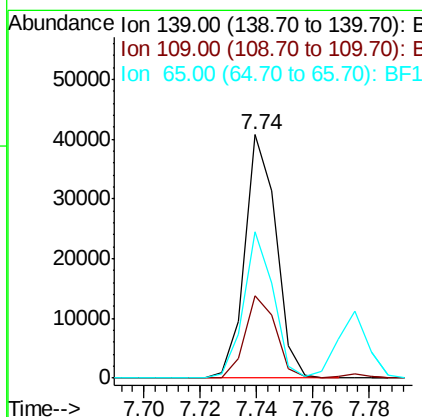
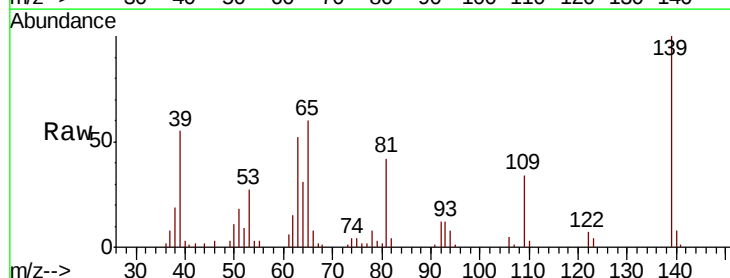
Manual Integrations
APPROVED

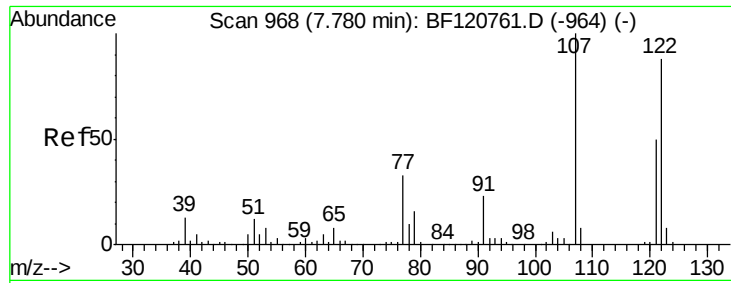
mohammad
7/10/2020 11:49:34 AM



#26
2-Nitrophenol
Concen: 8.748 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	31209		
109	34.0		25.3	37.9
65	60.3		46.2	69.2





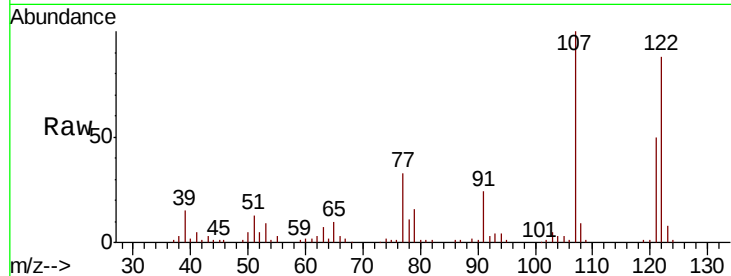
#27
2,4-Dimethylphenol
Concen: 9.415 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		70451		
107	113.8	90.7	136.1		
121	57.3	45.4	68.0		

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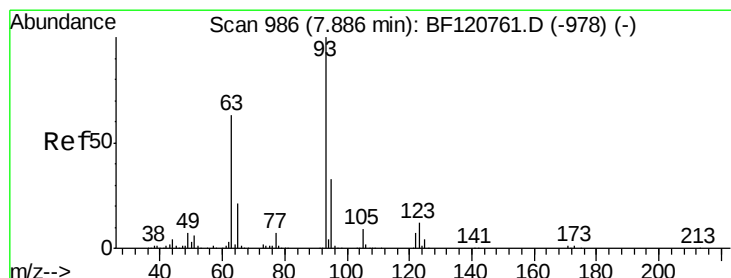
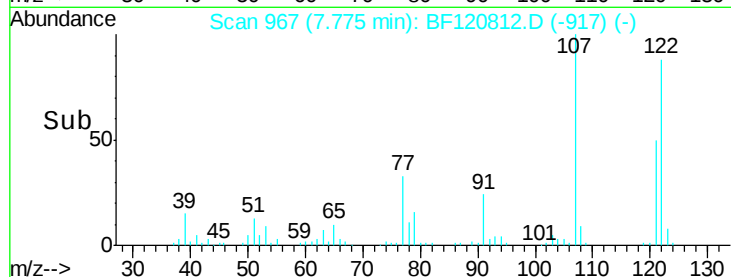
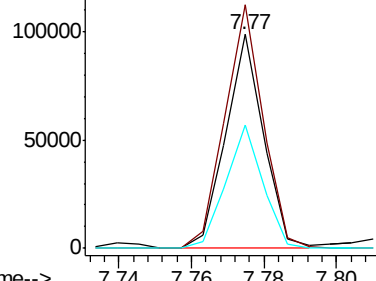


Abundance

Ion 122.00 (121.70 to 122.70): E

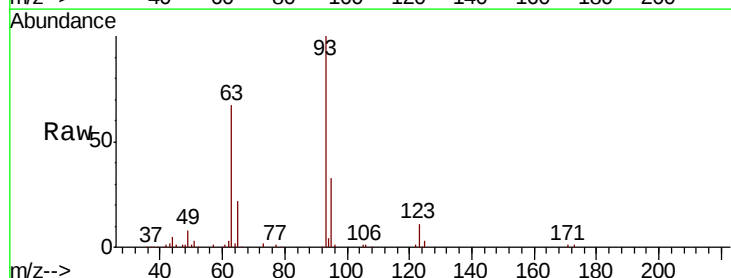
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 9.172 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		101746		
95	32.7	26.4	39.6		
123	10.8	10.2	15.2		

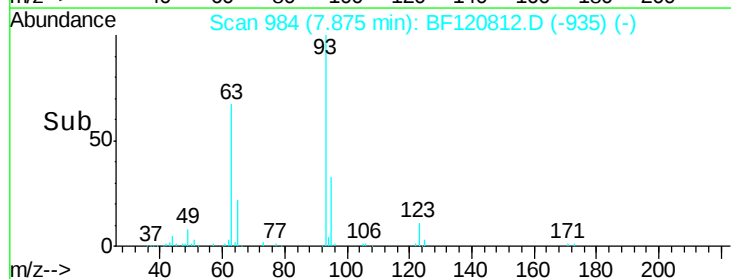
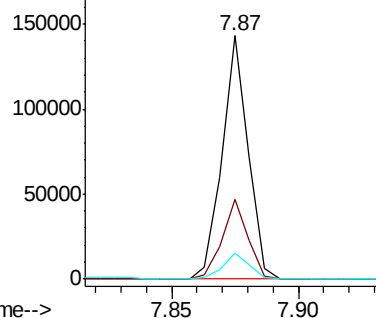


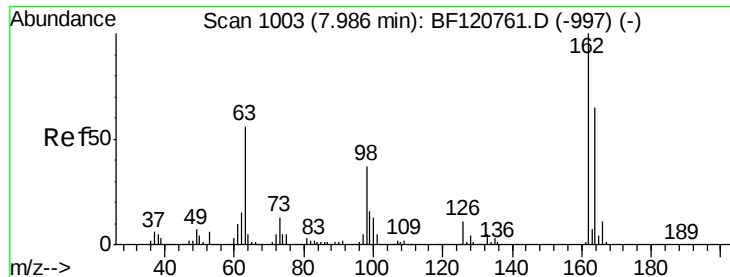
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





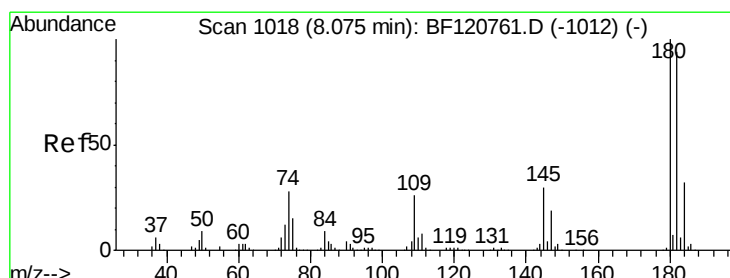
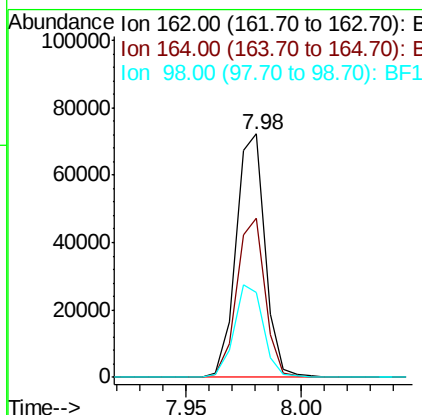
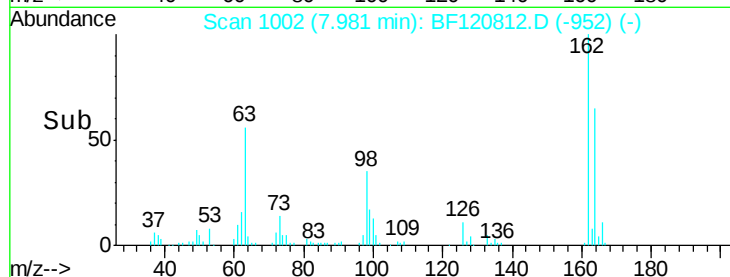
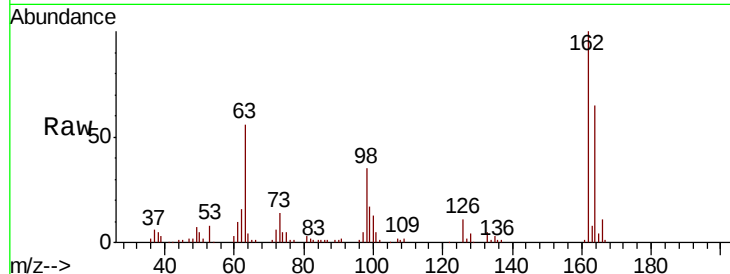
#29
2,4-Dichlorophenol
Concen: 8.483 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
162	100	63366		
164	65.4	45.2	85.2	
98	34.8	17.0	57.0	

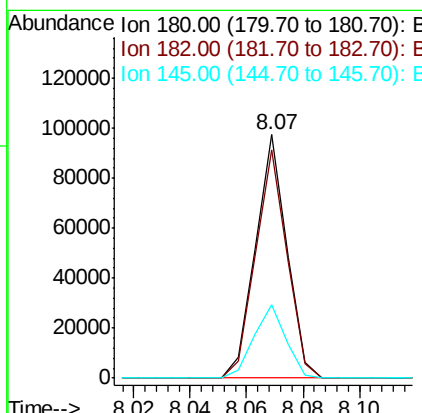
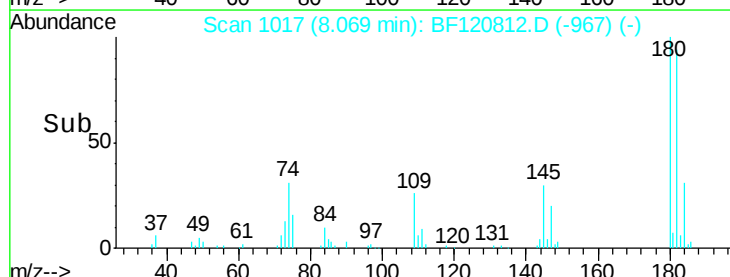
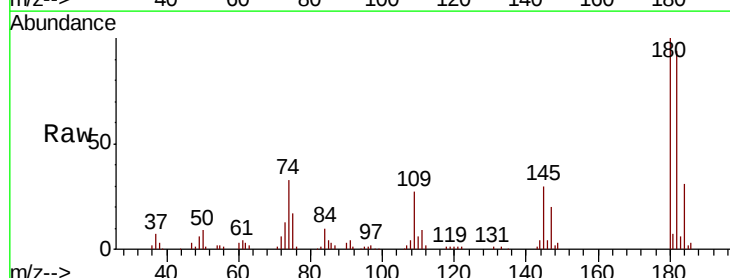
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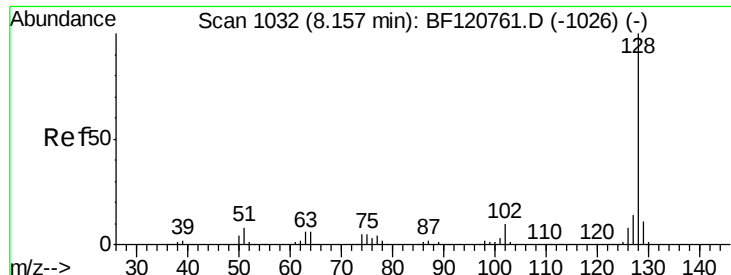
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 8.923 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74861		
182	93.5	75.5	113.3	
145	30.3	24.1	36.1	





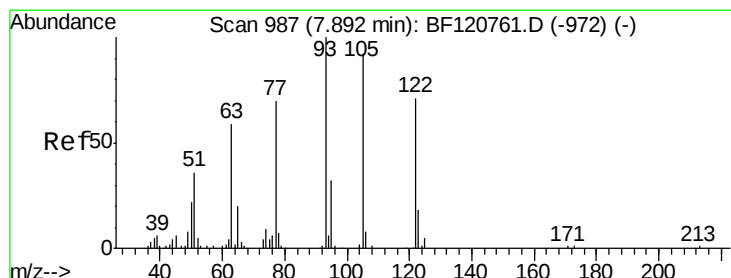
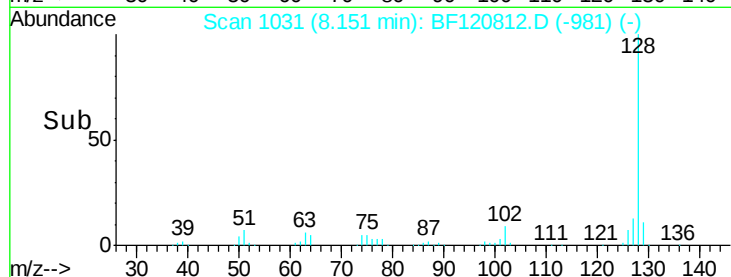
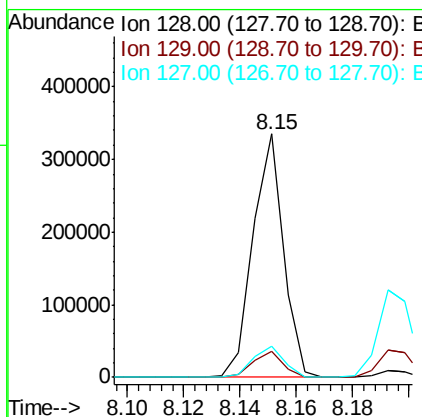
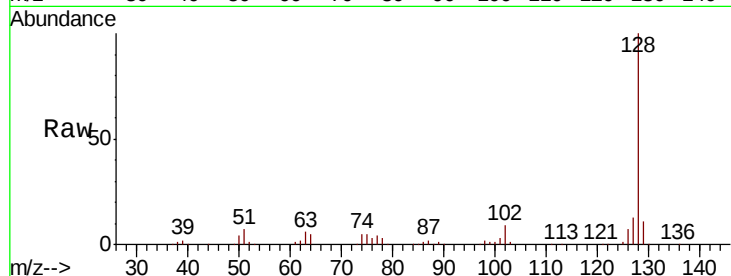
#31
Naphthalene
Concen: 9.334 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.2	13.8
127	12.7	11.1	16.7

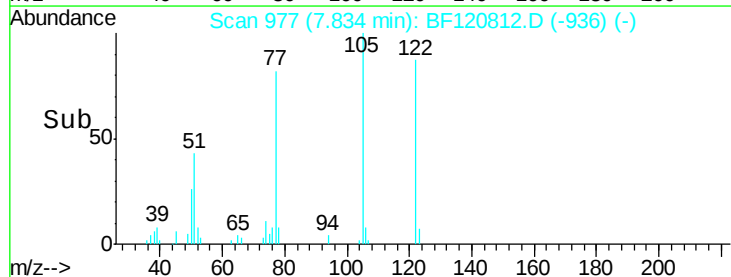
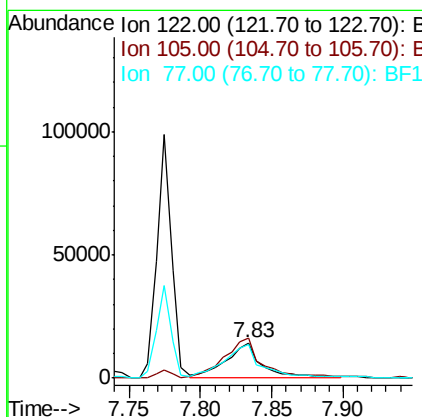
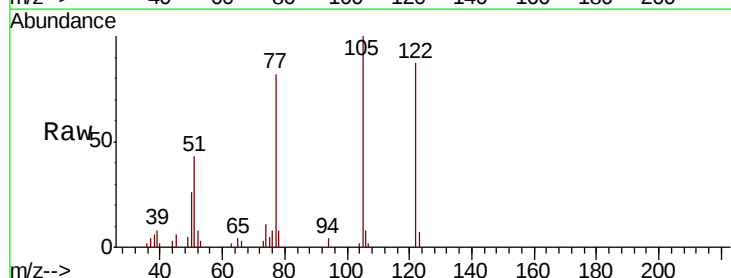
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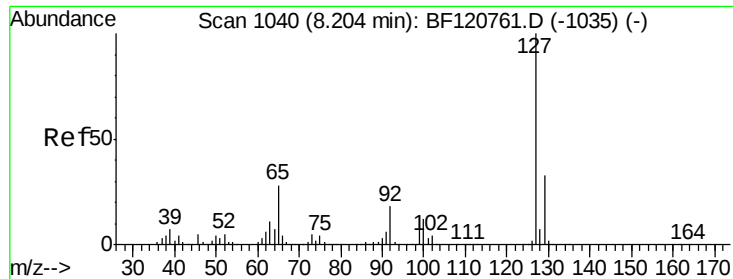
mohammad
7/10/2020 11:49:34 AM



#32
Benzoic acid
Concen: 6.395 ng m
RT: 7.83 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
122	100		
105	114.6	105.8	145.8
77	94.2	77.3	117.3





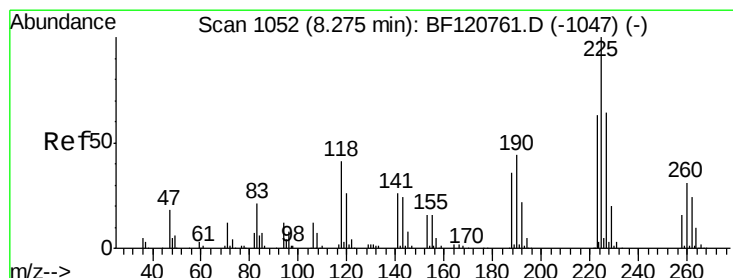
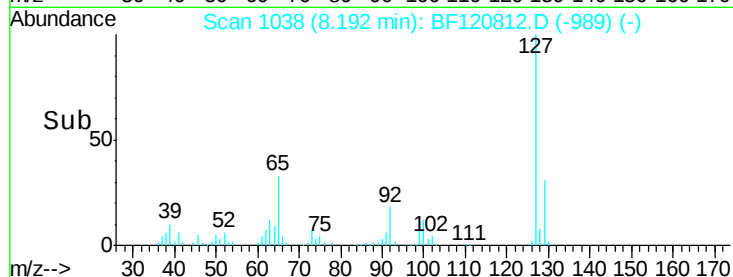
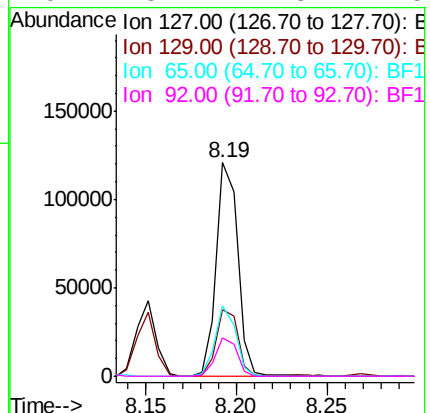
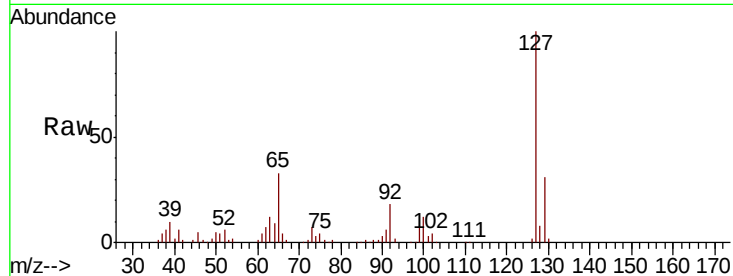
#33
4-Chloroaniline
Concen: 8.755 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		99979		
129	30.9	26.6	39.8		
65	33.2	22.7	34.1		
92	18.2	14.3	21.5		

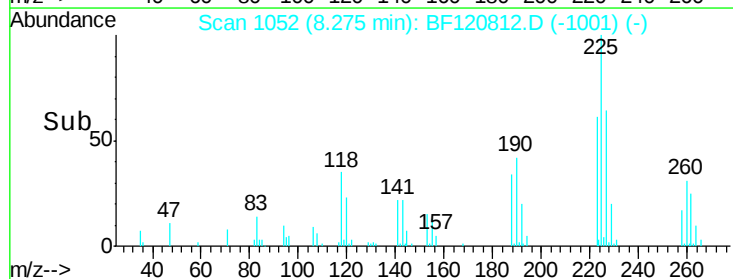
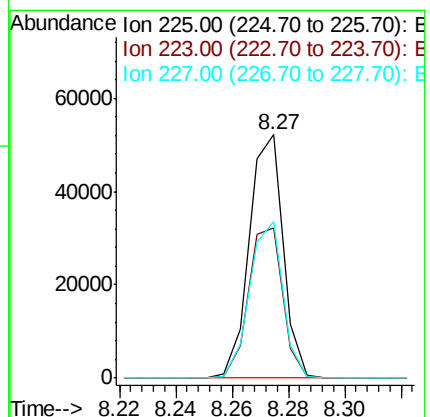
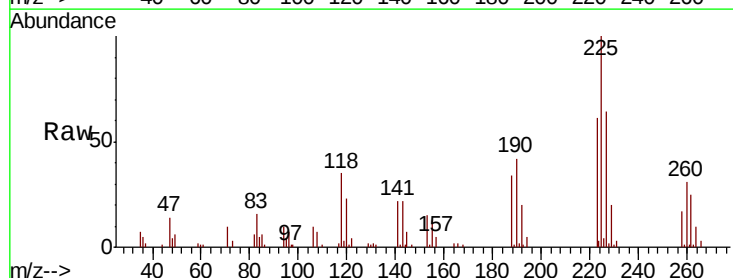
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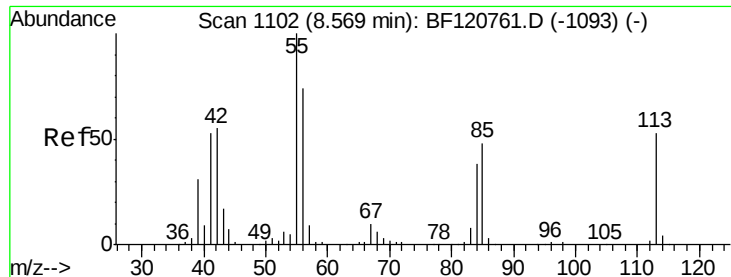
mohammad
7/10/2020 11:49:34 AM



#34
Hexachlorobutadiene
Concen: 8.594 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		43364		
223	64.2	50.6	76.0		
227	64.1	51.4	77.2		





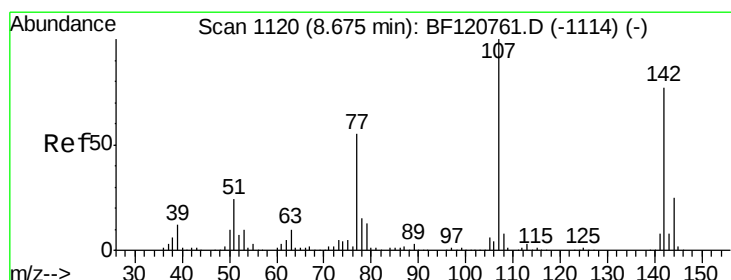
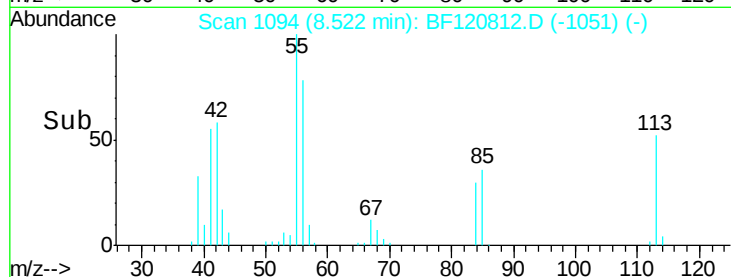
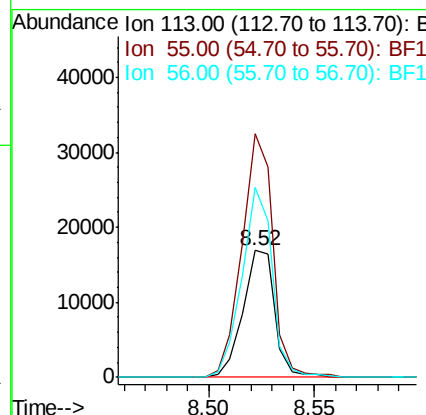
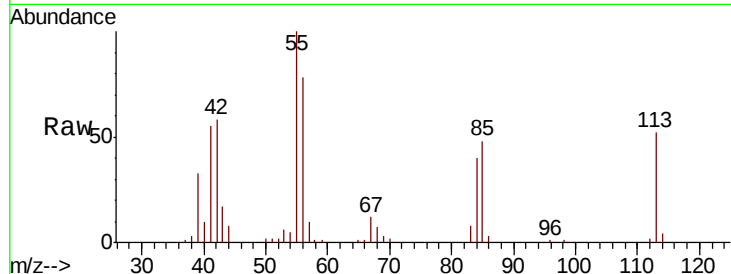
#35
 Caprolactam
 Concen: 8.070 ng
 RT: 8.52 min Scan# 1094
 Delta R.T. -0.05 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	192.4	168.3	208.3
56	150.3	118.8	158.8

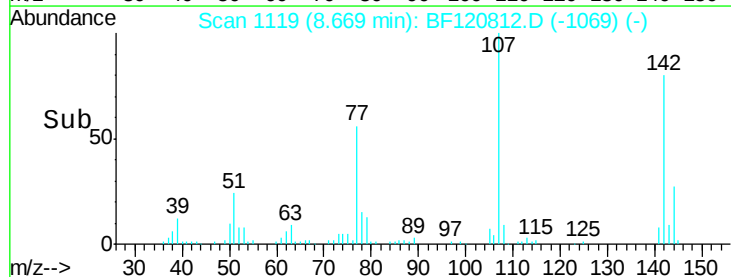
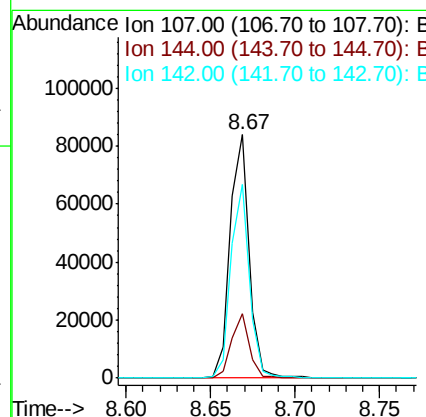
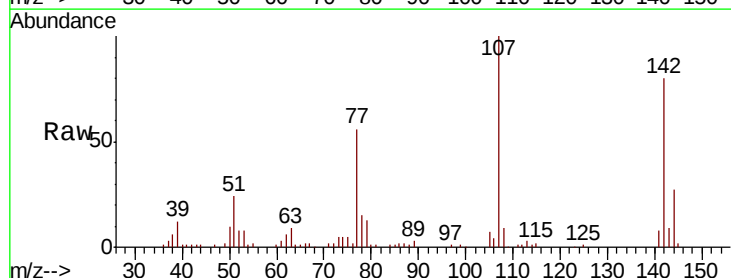
Manual Integrations
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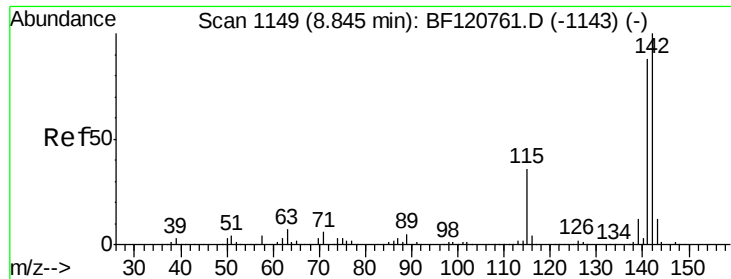
mohammad
 7/10/2020 11:49:34 AM



#36
 4-Chloro-3-methylphenol
 Concen: 8.516 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.6	19.7	29.5
142	79.8	61.2	91.8





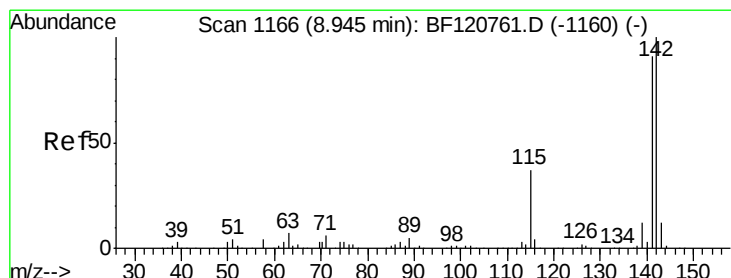
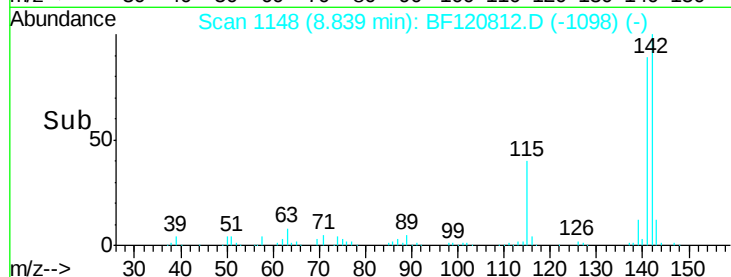
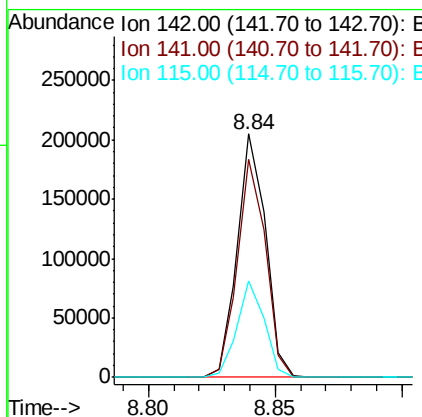
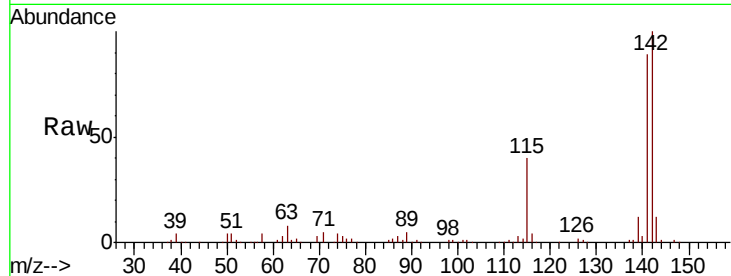
#37
2-Methylnaphthalene
Concen: 9.080 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.2	105.4
115	39.5	29.0	43.4

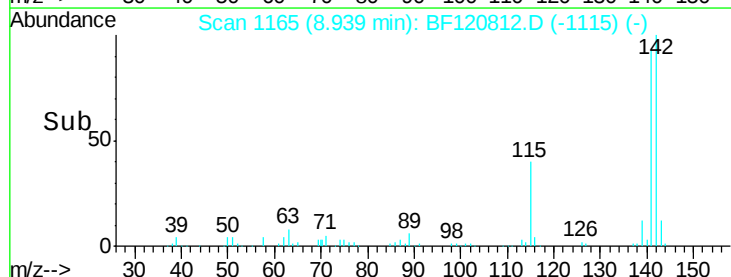
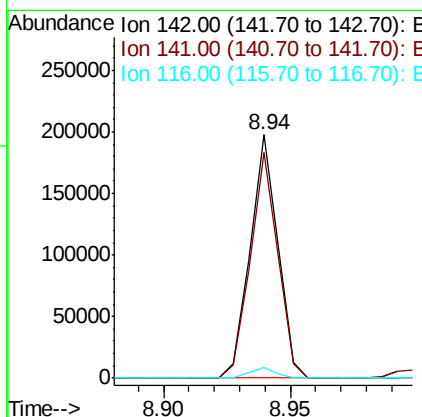
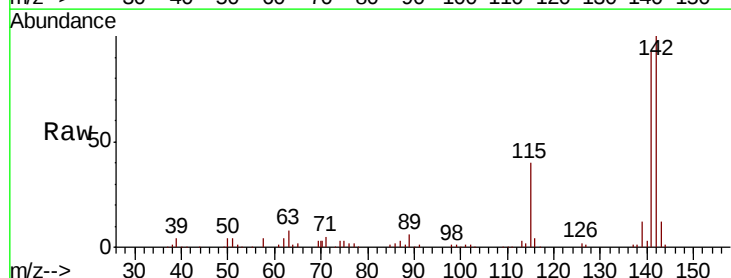
Manual Integrations
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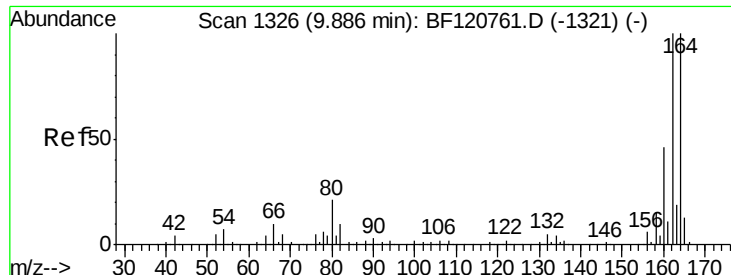
mohammad
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#38
1-Methylnaphthalene
Concen: 9.201 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	72.5	108.7
116	4.3	3.1	4.7





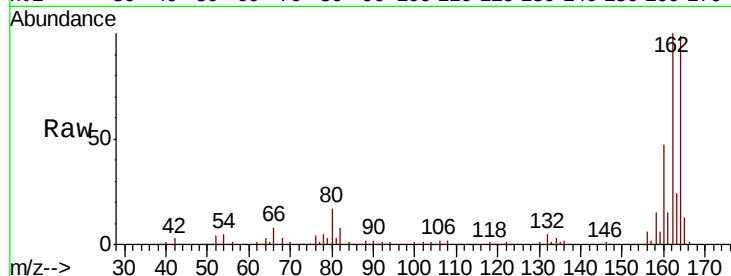
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
164	100	251097		
162	101.3	80.2	120.2	
160	47.5	36.9	55.3	

Manual Integrations
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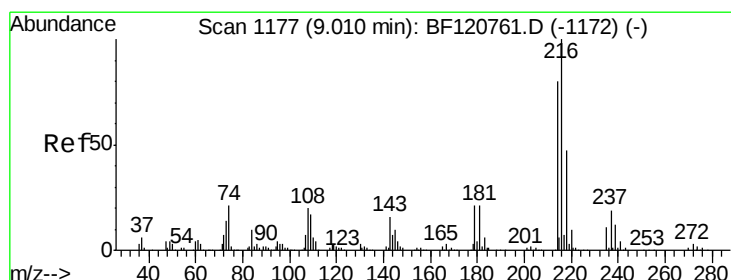
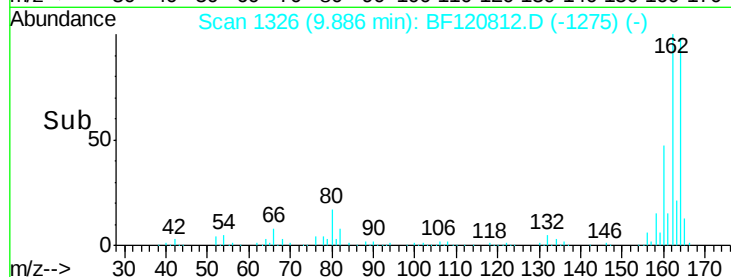
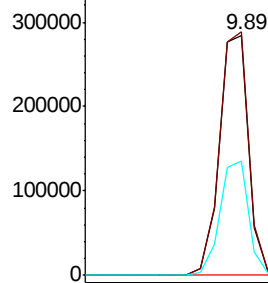


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.531 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	72328		
214	77.8	63.7	95.5	
179	21.6	16.7	25.1	
108	23.2	17.0	25.4	

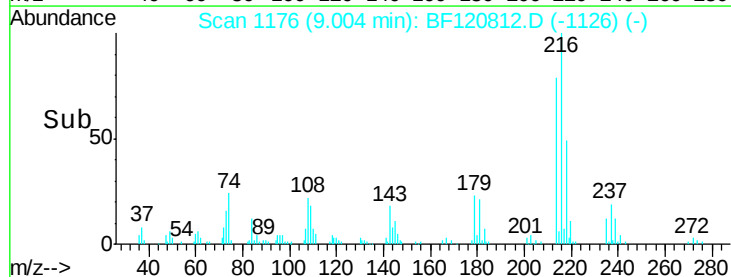
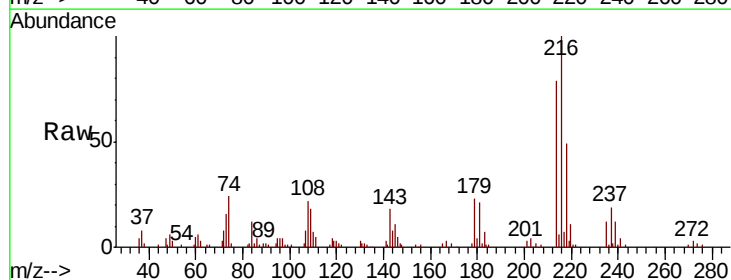
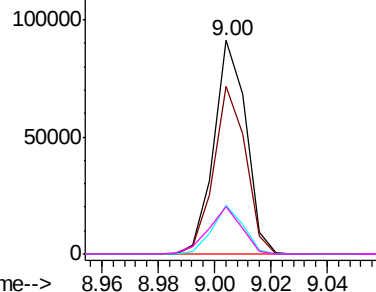
Abundance

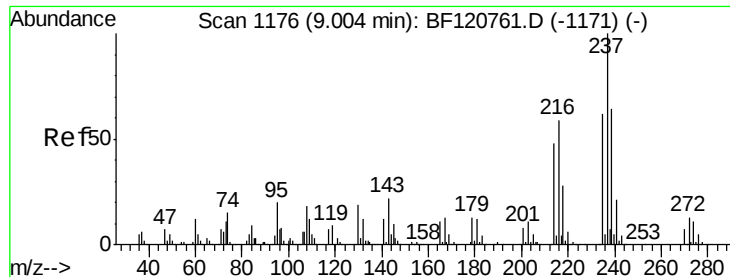
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 8.051 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

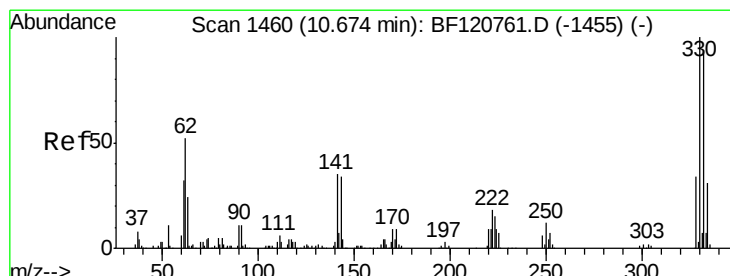
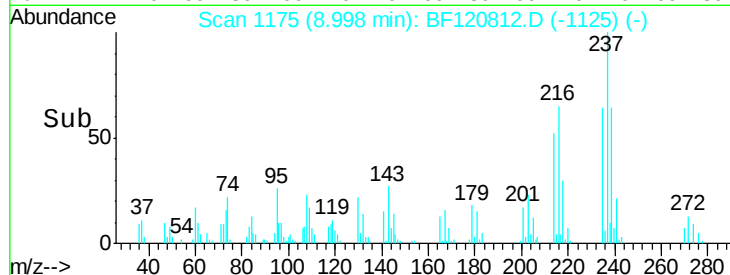
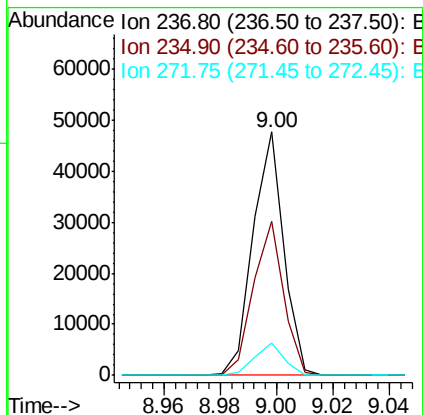
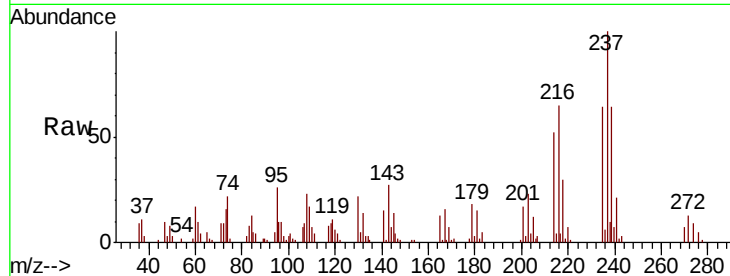
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	237	Resp:	36098
Ion Ratio	Lower	Upper	
237	100		
235	63.5	42.1	82.1
272	13.1	0.0	33.4

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#42

2,4,6-Tribromophenol

Concen: 103.856 ng

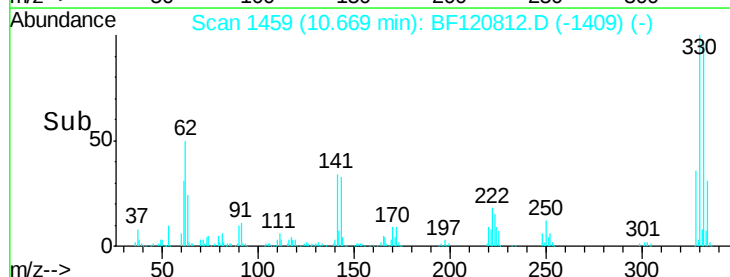
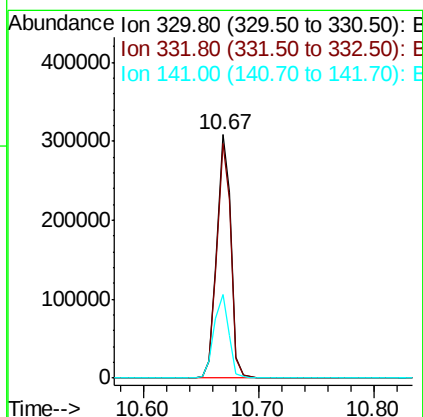
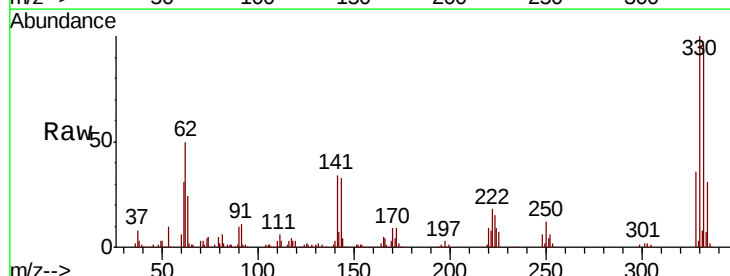
RT: 10.67 min Scan# 1459

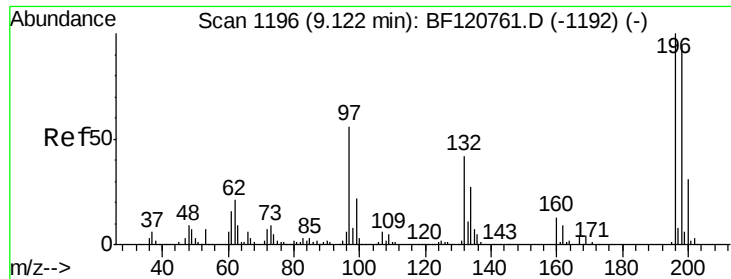
Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:	330	Resp:	261991
Ion Ratio	Lower	Upper	
330	100		
332	96.0	75.8	113.6
141	35.9	29.7	44.5





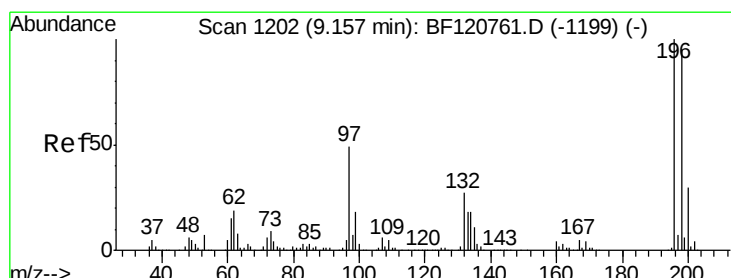
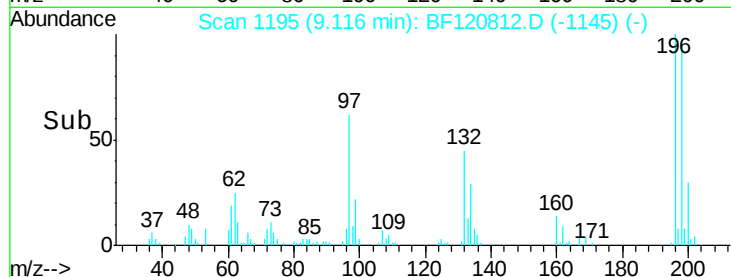
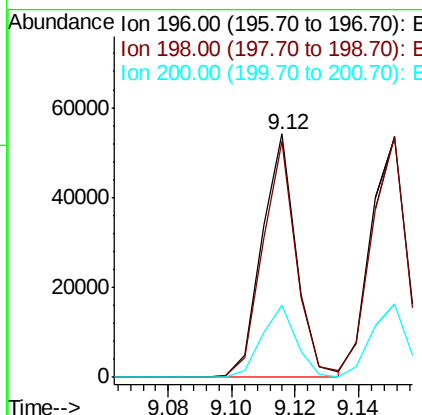
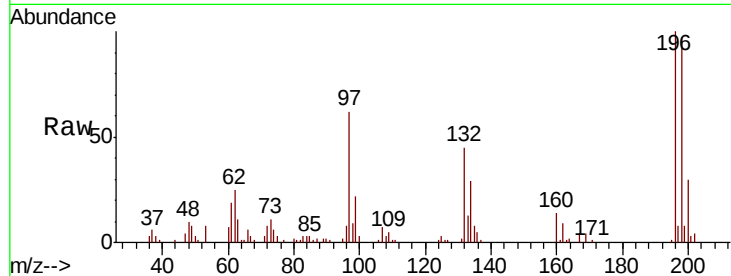
#43
 2,4,6-Trichlorophenol
 Concen: 7.853 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:	196	Resp:	40610
Ion Ratio	Lower	Upper	
196	100		
198	96.8	75.3	112.9
200	29.7	24.4	36.6

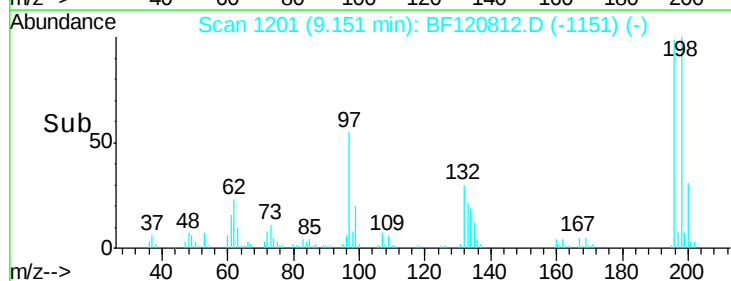
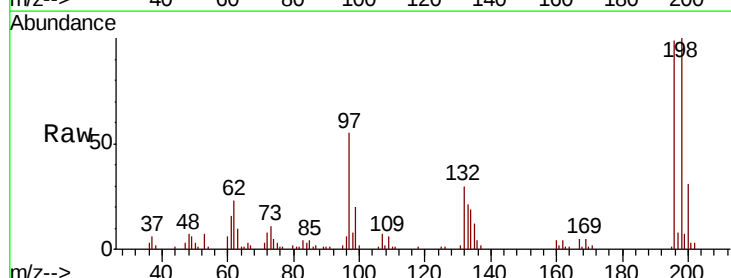
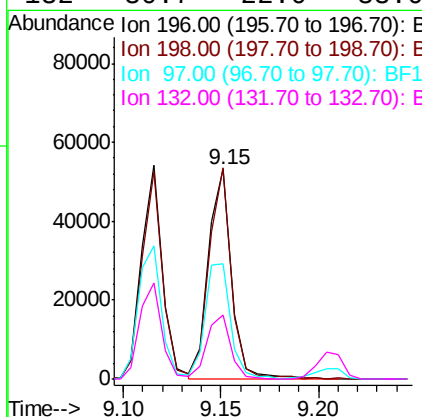
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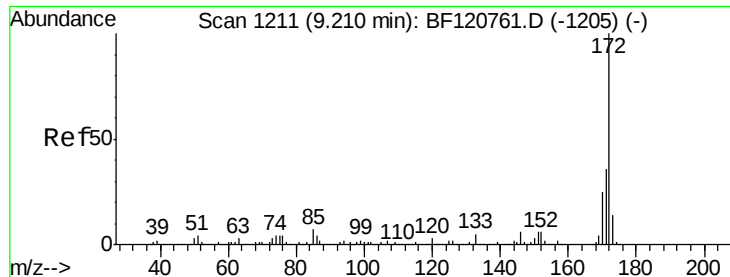
mohammad
 7/10/2020 11:49:34 AM



#44
 2,4,5-Trichlorophenol
 Concen: 7.620 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:	196	Resp:	43729
Ion Ratio	Lower	Upper	
196	100		
198	100.6	76.2	114.2
97	55.0	39.6	59.4
132	30.7	22.0	33.0





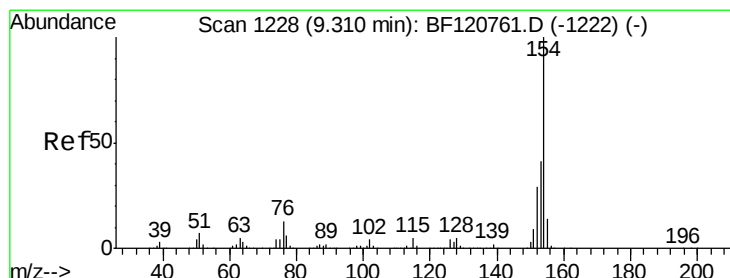
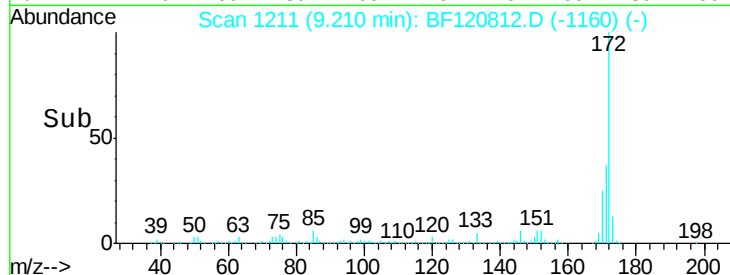
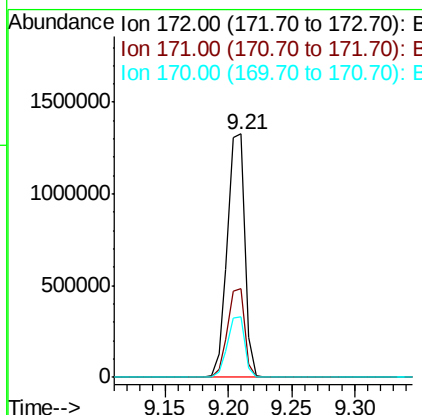
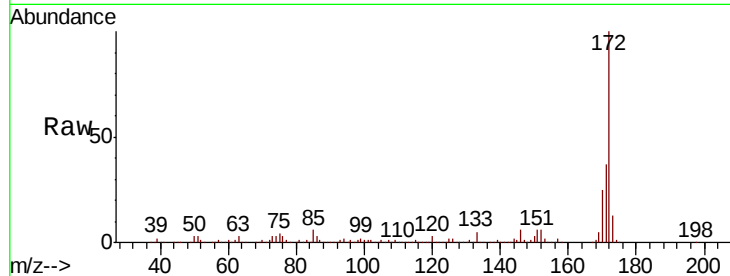
#45
2-Fluorobiphenyl
Concen: 76.360 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.1	43.7
170	24.8	19.8	29.6

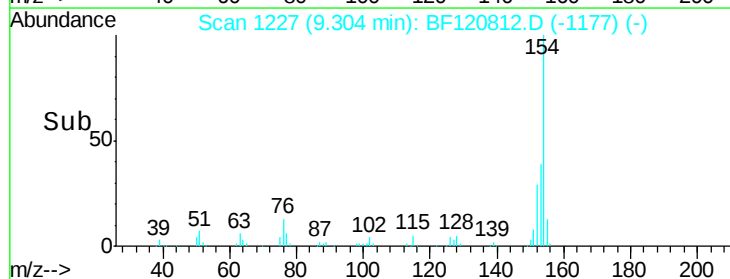
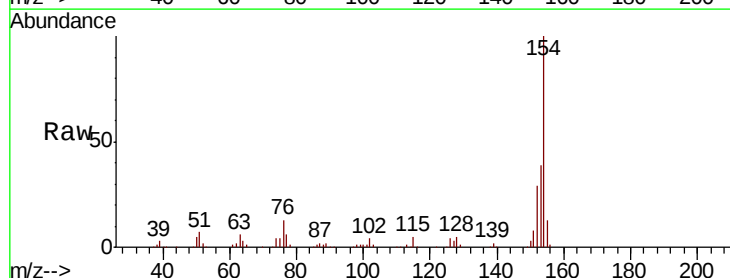
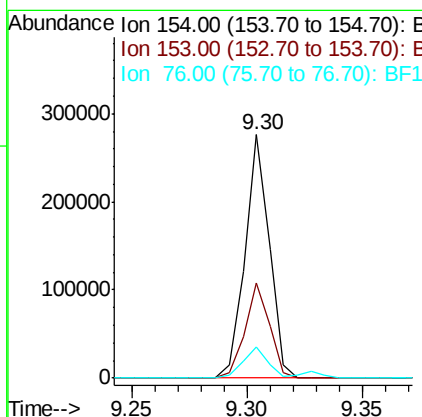
Manual Integrations
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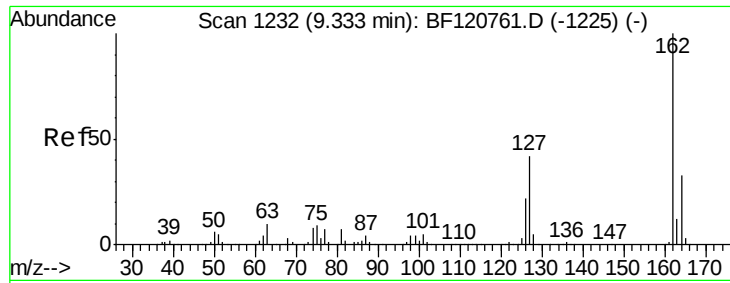
mohammad
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#46
1,1'-Biphenyl
Concen: 10.003 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.8	20.7	60.7
76	12.8	0.0	33.3





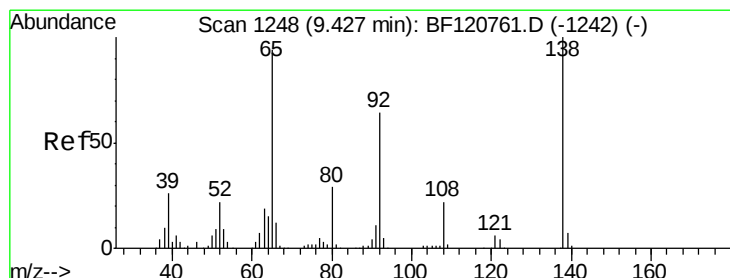
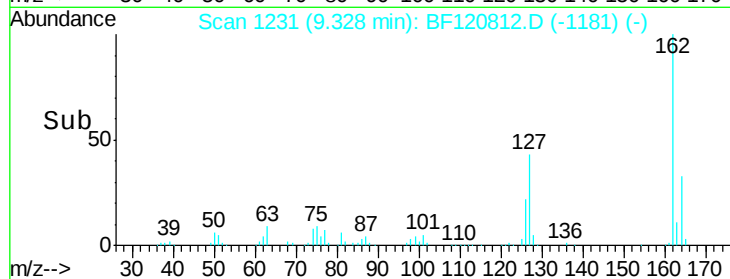
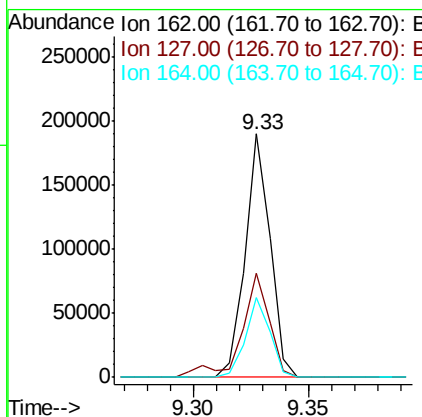
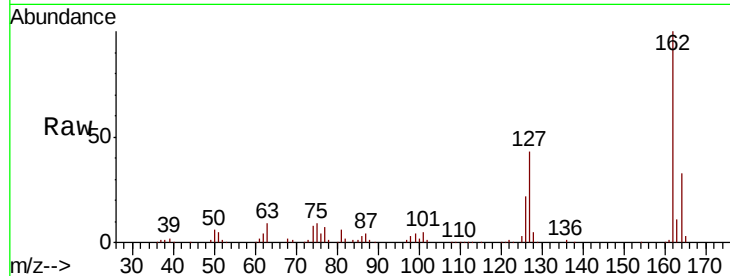
#47
2-Chloronaphthalene
Concen: 8.842 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.8	33.7	50.5
164	32.6	26.4	39.6

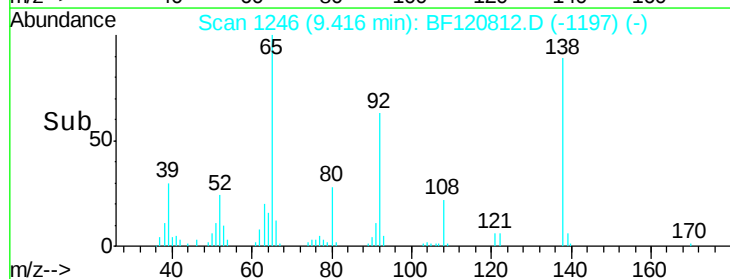
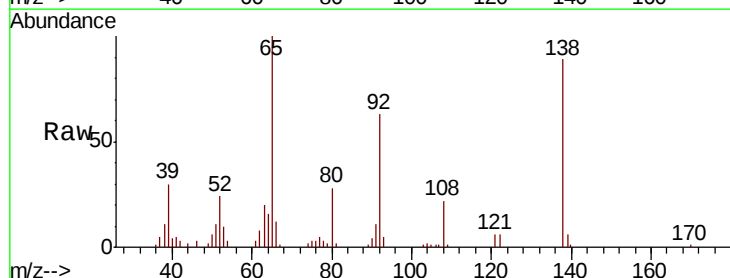
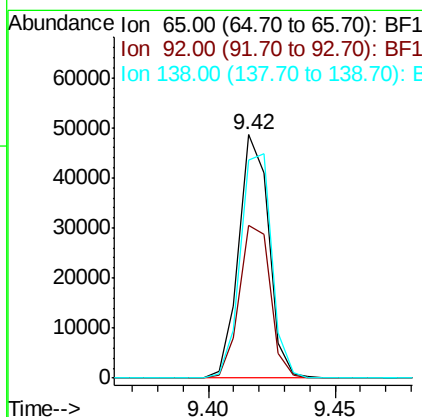
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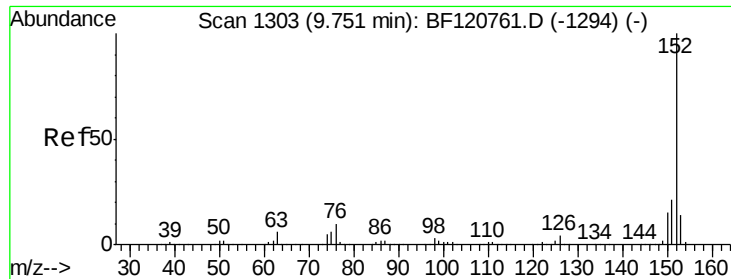
mohammad
7/10/2020 11:49:34 AM



#48
2-Nitroaniline
Concen: 9.221 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.7	54.4	81.6
138	89.4	84.7	127.1





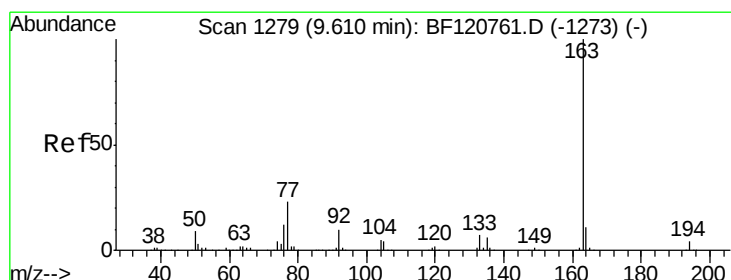
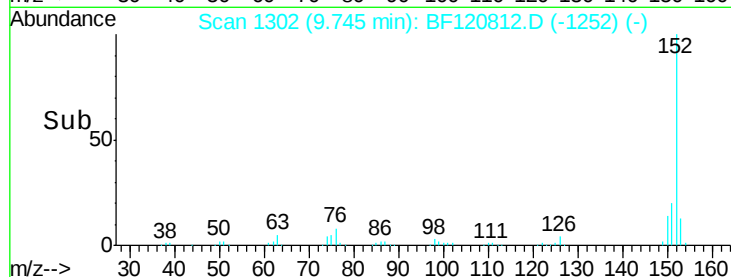
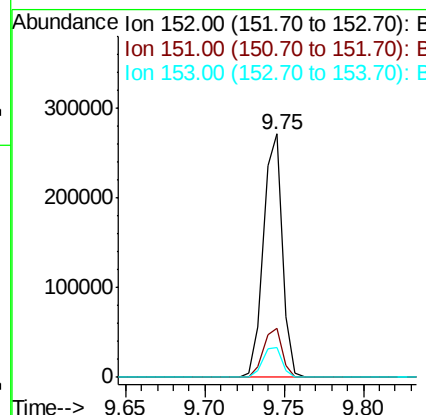
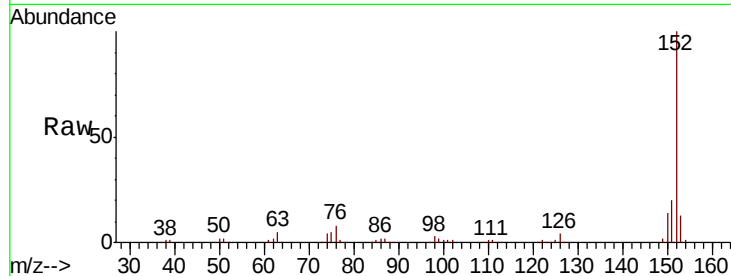
#49
Acenaphthylene
Concen: 8.958 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
152	100	227883		
151	20.3		16.9	25.3
153	12.5		10.8	16.2

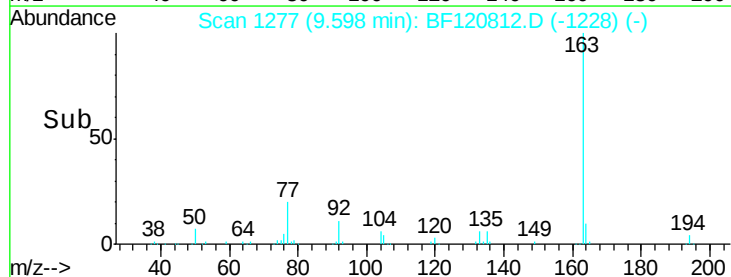
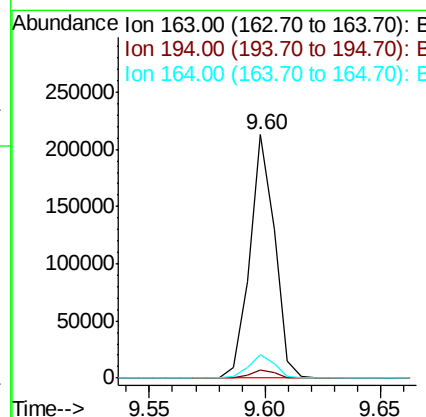
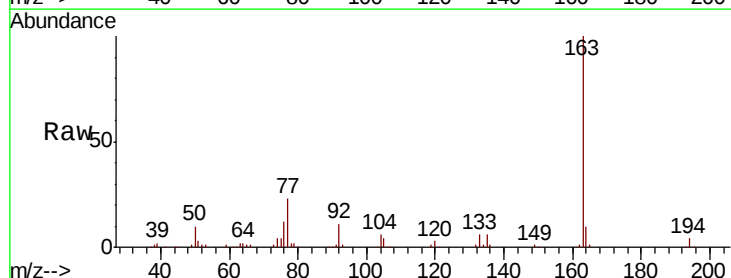
Manual Integrations
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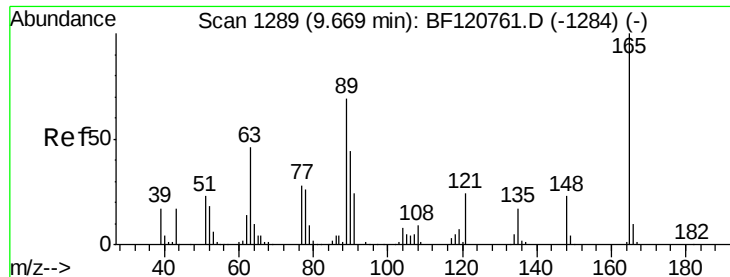
mohammad
7/10/2020 11:49:34 AM



#50
Dimethylphthalate
Concen: 8.725 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	159810		
194	3.6		2.9	4.3
164	9.8		8.5	12.7





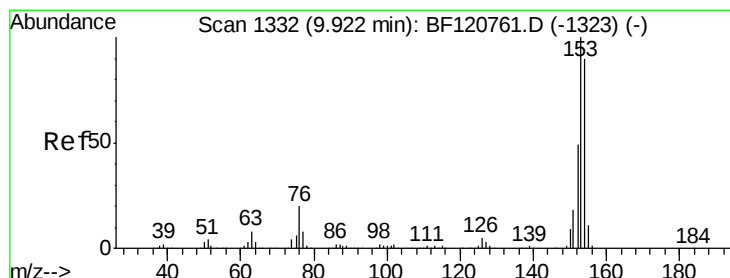
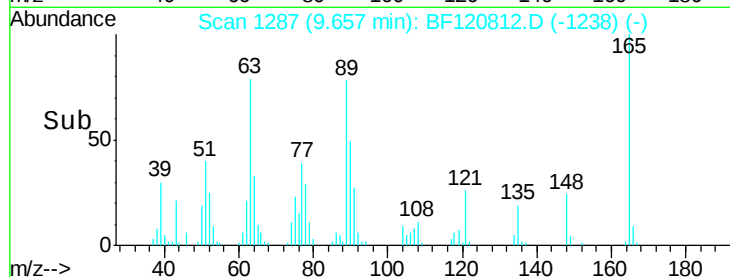
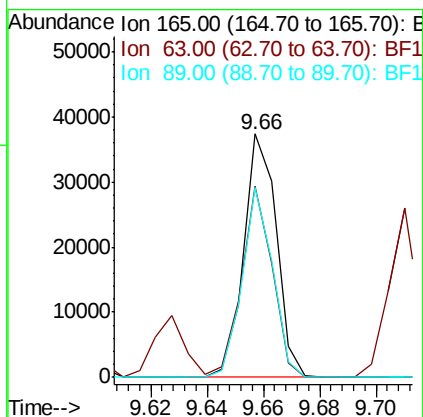
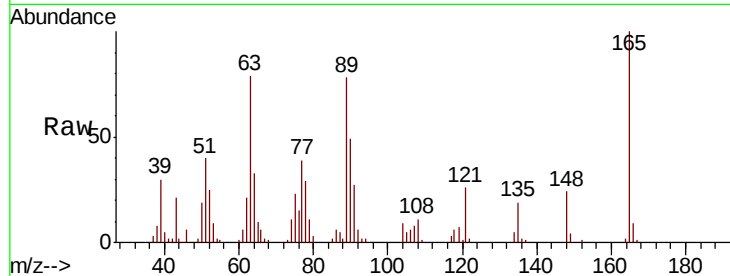
#51
2,6-Dinitrotoluene
Concen: 9.076 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	78.7	54.0	81.0
89	78.1	55.4	83.2

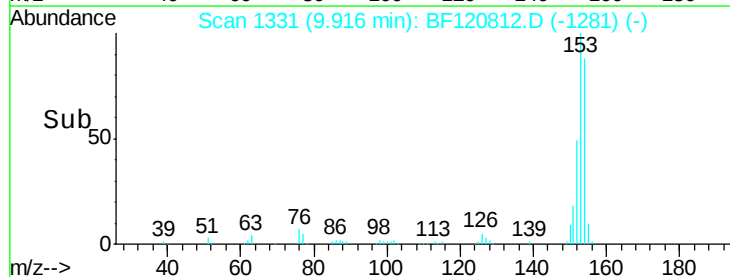
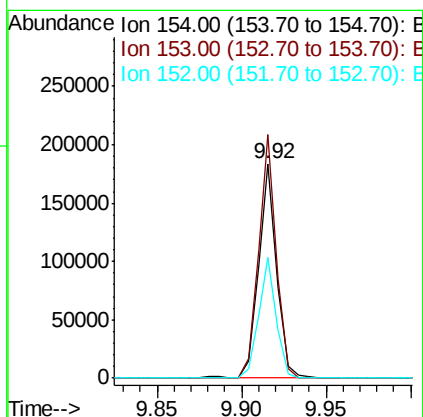
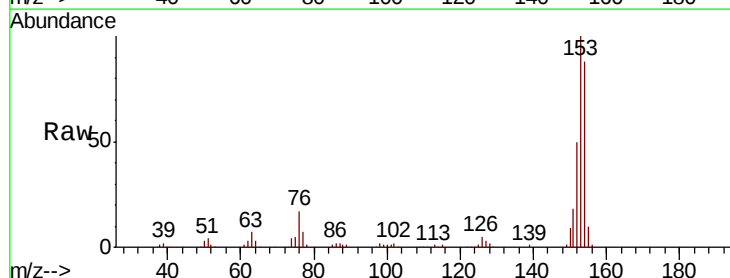
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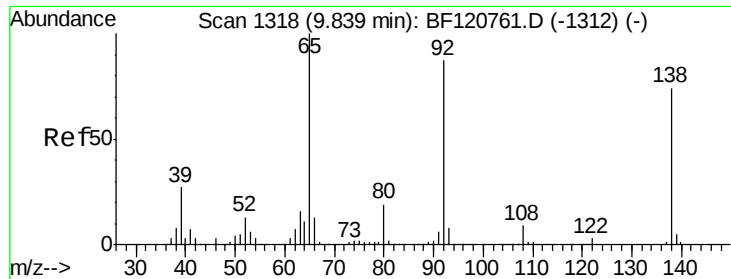
mohammad
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#52
Acenaphthene
Concen: 8.751 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	88.6	132.8
152	56.3	43.6	65.4





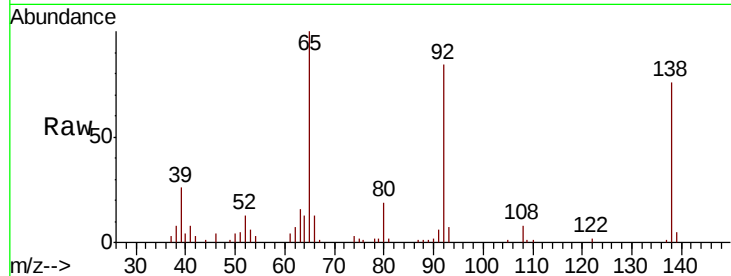
#53
3-Nitroaniline
Concen: 8.470 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	9.8	14.6
92	110.7	93.4	140.2

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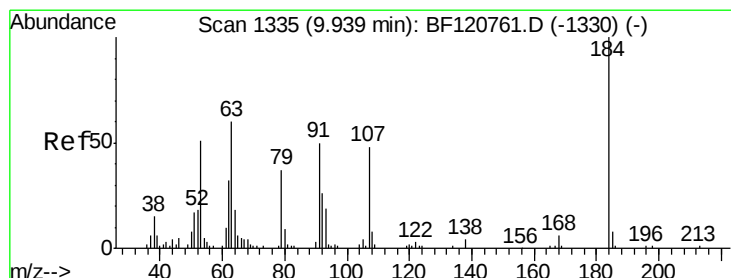
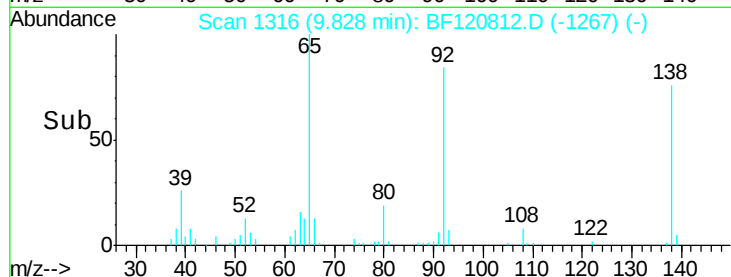
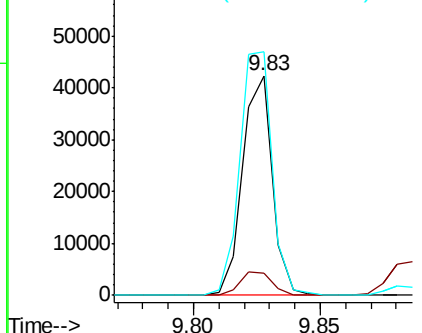


Abundance

Ion 138.00 (137.70 to 138.70): E

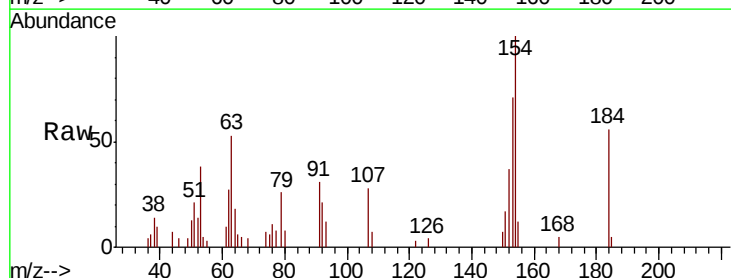
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 4.109 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
184	100		
63	94.5	57.3	85.9#
154	177.7	55.8	83.6#

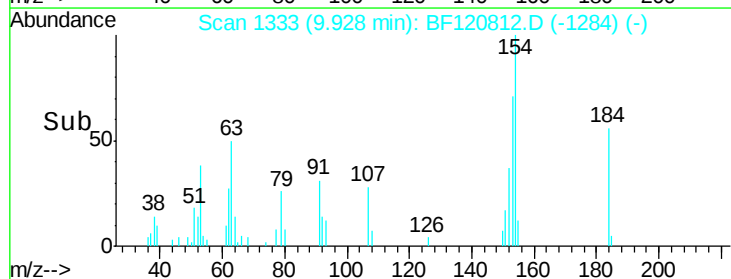
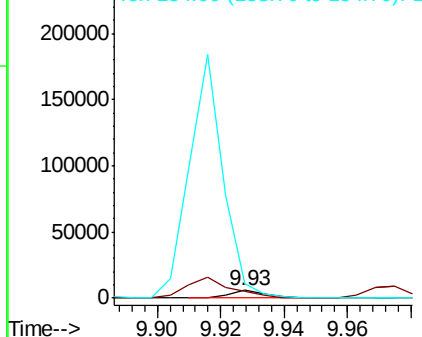


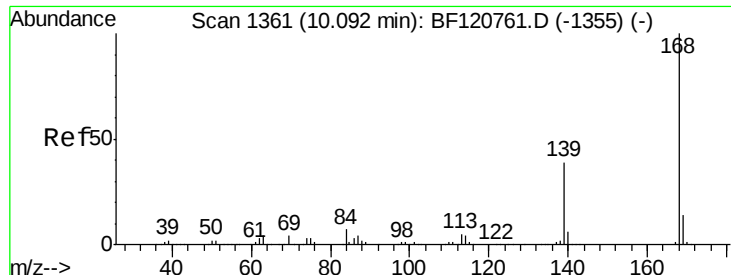
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





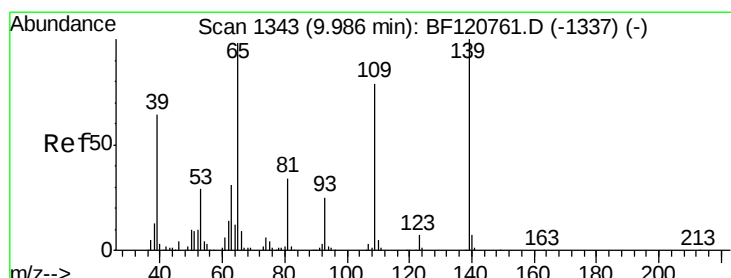
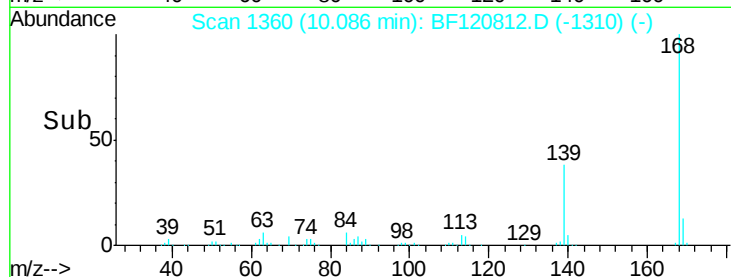
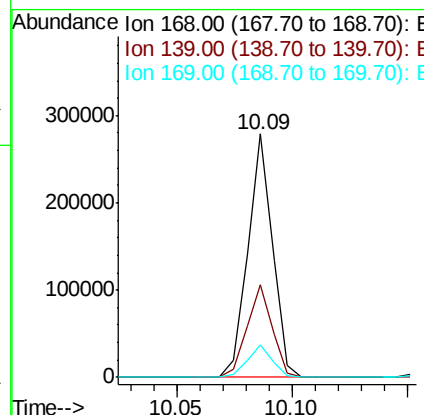
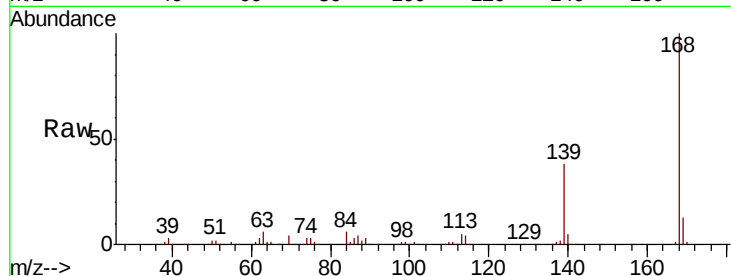
#55
Dibenzofuran
Concen: 9.165 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
168	100	208491		
139	38.0		31.3	46.9
169	13.1		11.2	16.8

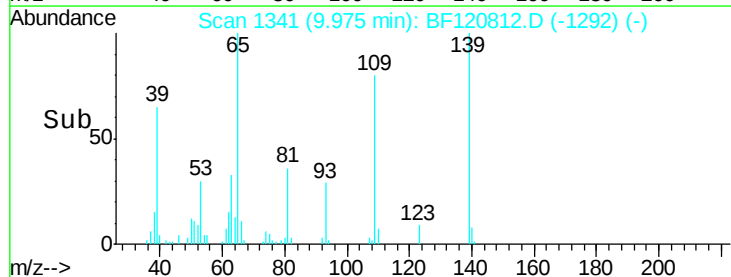
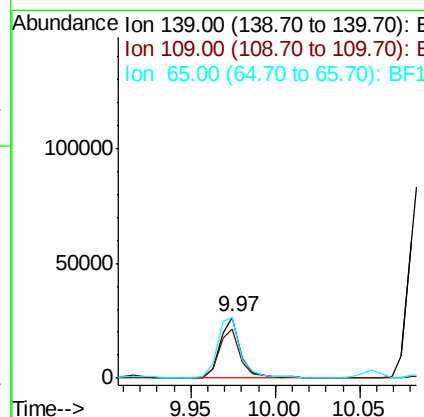
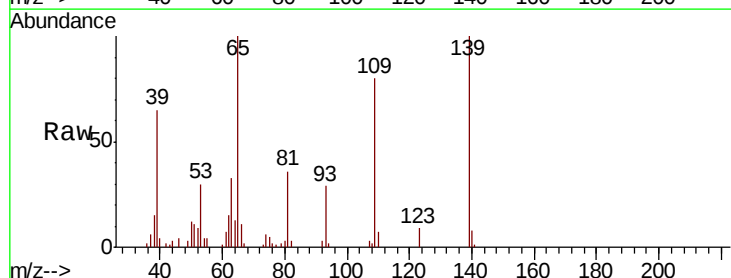
Manual Integrations
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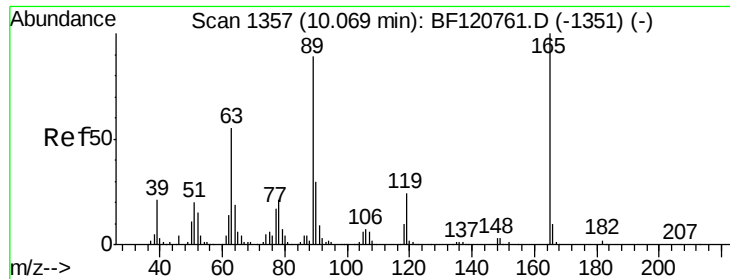
mohammad
7/10/2020 11:49:34 AM



#56
4-Nitrophenol
Concen: 7.620 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	22881		
109	80.0		58.6	98.6
65	100.1		78.7	118.7





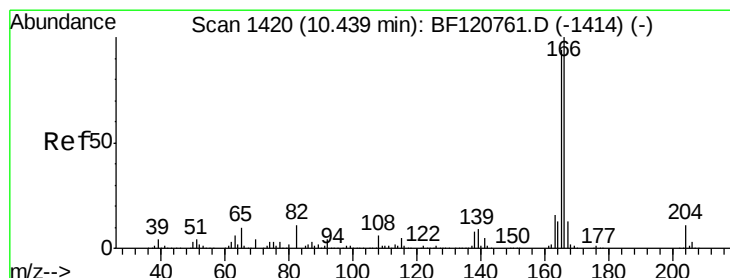
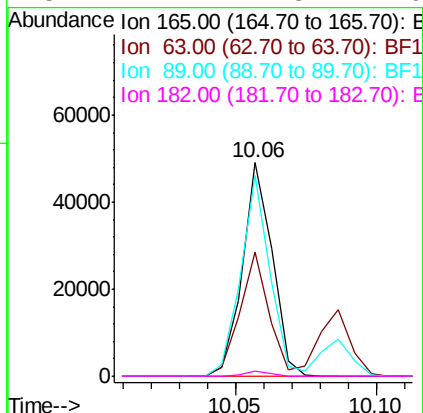
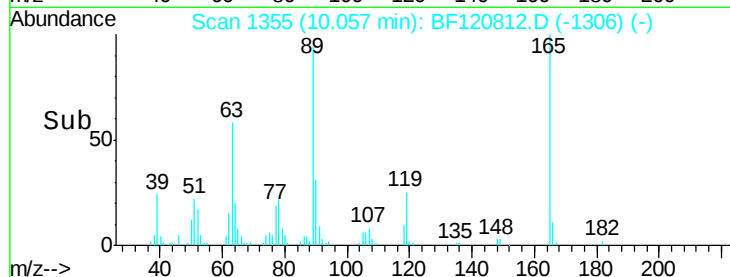
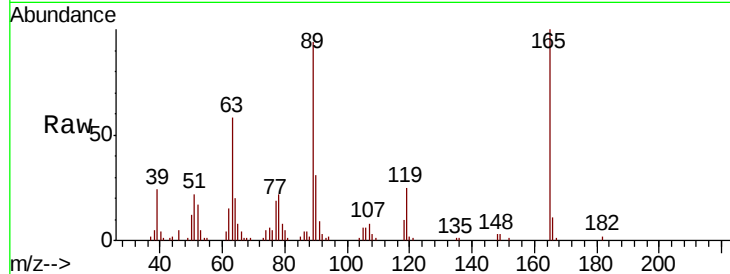
#57
2,4-Dinitrotoluene
Concen: 9.031 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	58.1	43.8	65.8
89	94.0	71.4	107.2
182	2.4	1.8	2.6

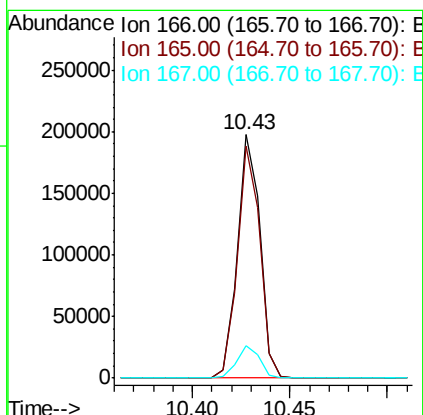
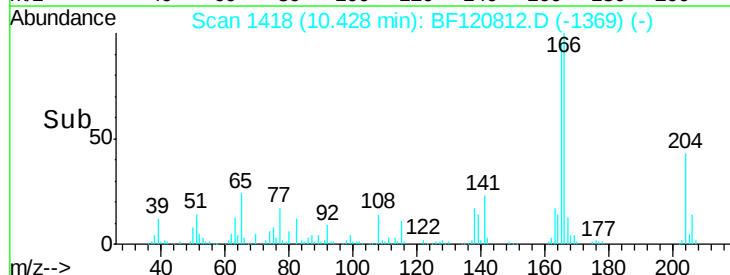
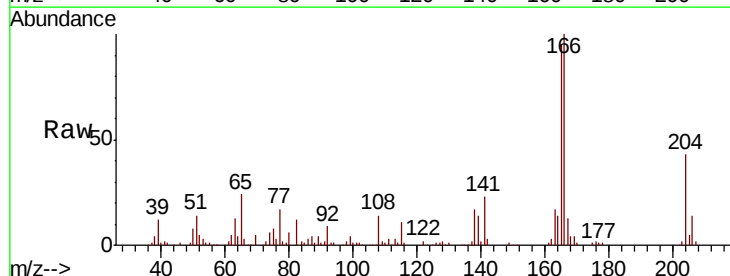
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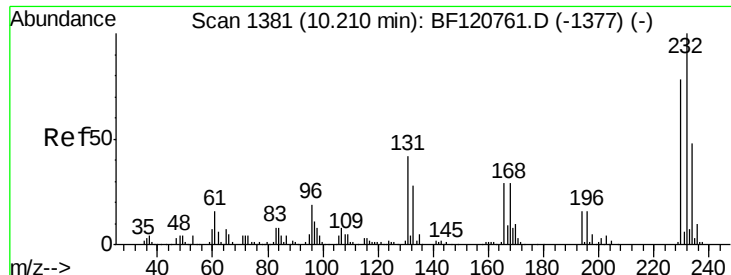
mohammad
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#58
Fluorene
Concen: 9.299 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.5	75.5	113.3
167	13.5	10.6	16.0





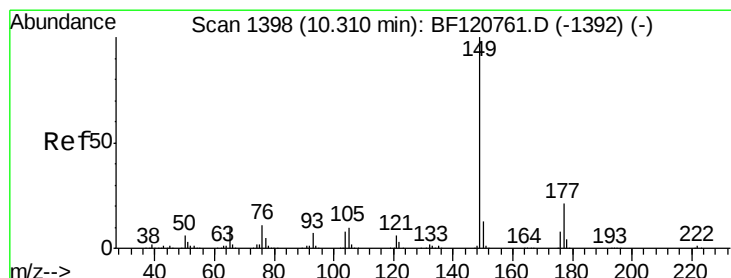
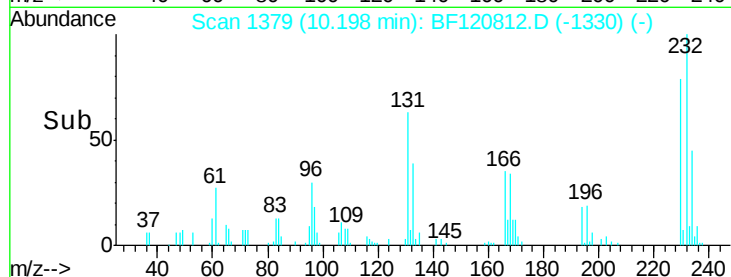
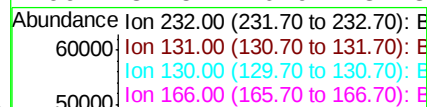
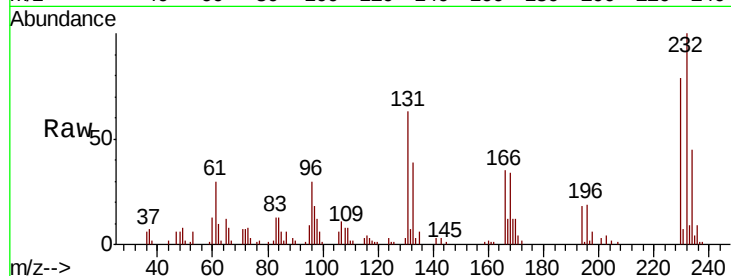
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.298 ng
RT: 10.20 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	54.6	36.3	54.5#
130	2.7	2.0	3.0
166	31.5	20.9	31.3#

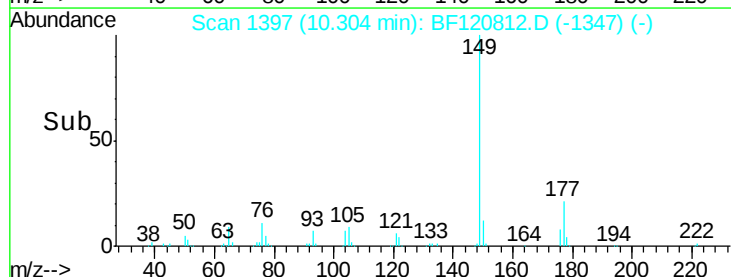
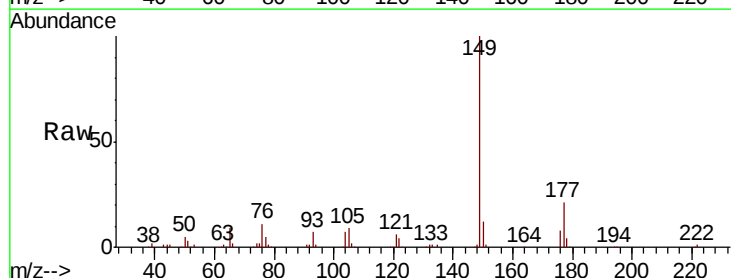
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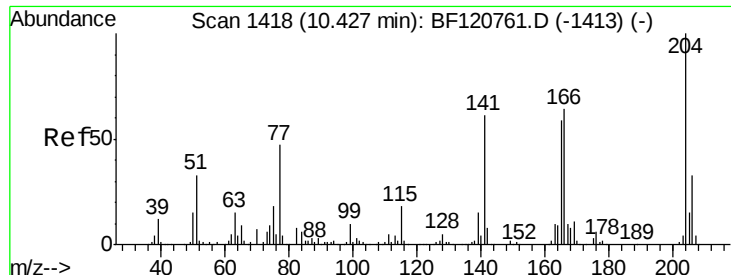
mohammad
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#60
Diethylphthalate
Concen: 8.410 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.0	16.4	24.6
150	11.9	10.2	15.4





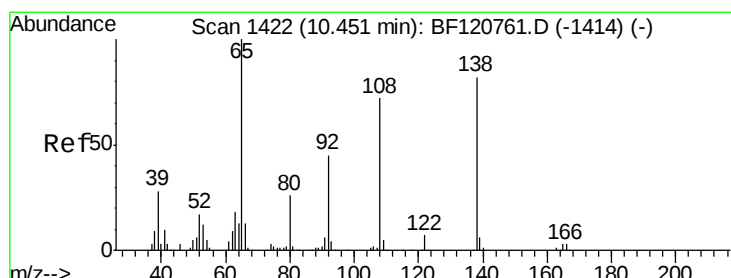
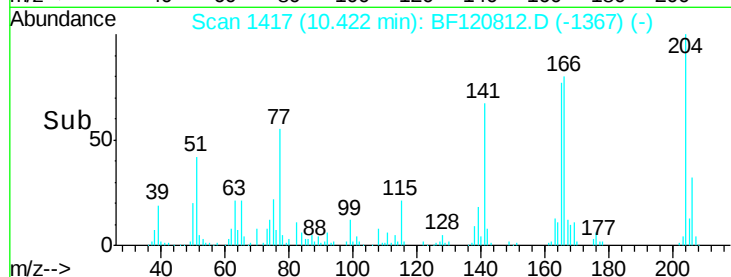
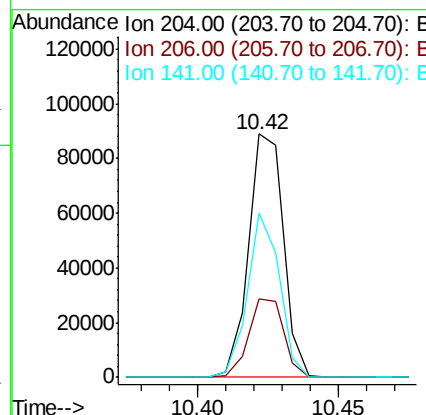
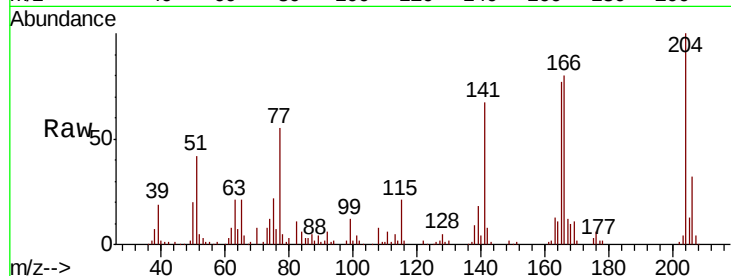
#61
4-Chlorophenyl-phenylether
Concen: 8.967 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.7	40.1
141	67.3	48.5	72.7

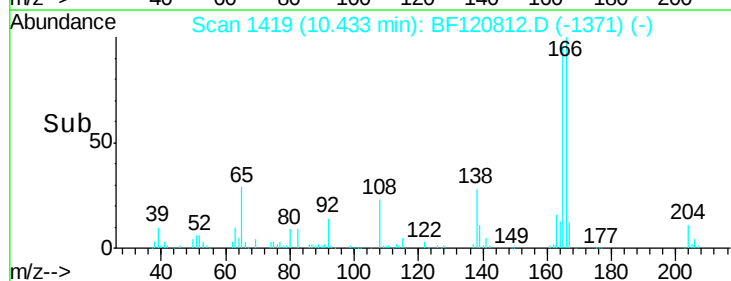
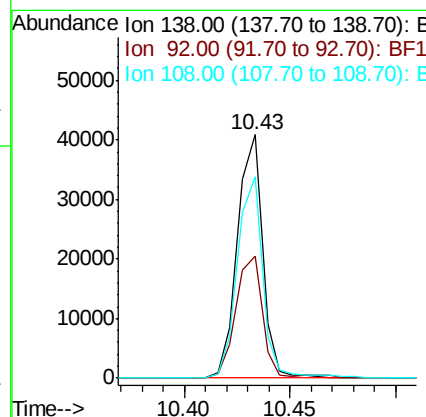
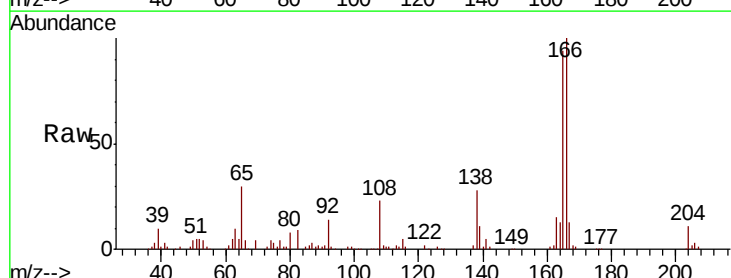
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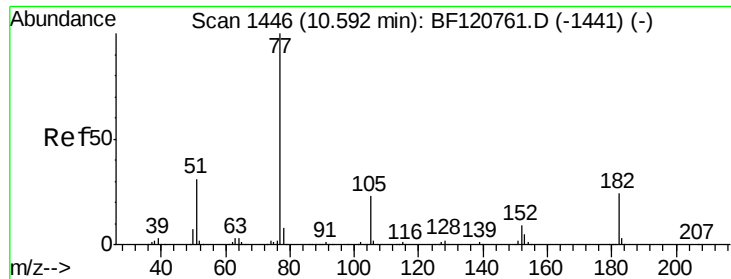
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#62
4-Nitroaniline
Concen: 8.637 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.02 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.0	34.3	74.3
108	82.6	68.3	108.3





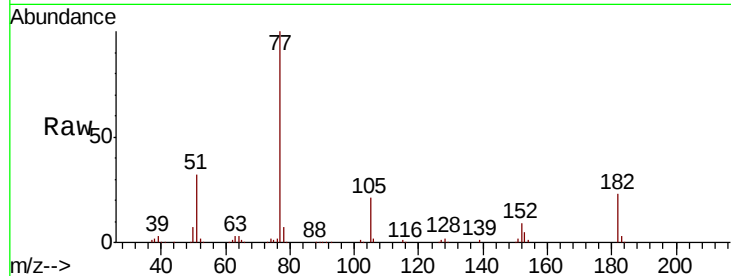
#63
Azobenzene
Concen: 8.939 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

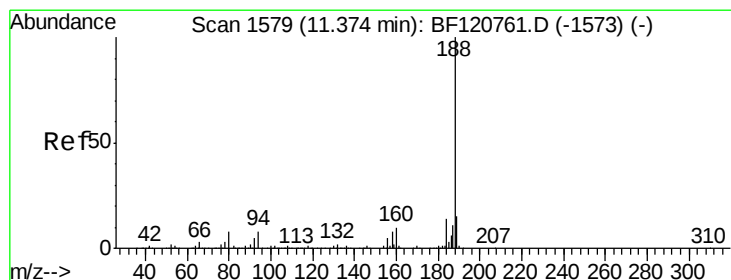
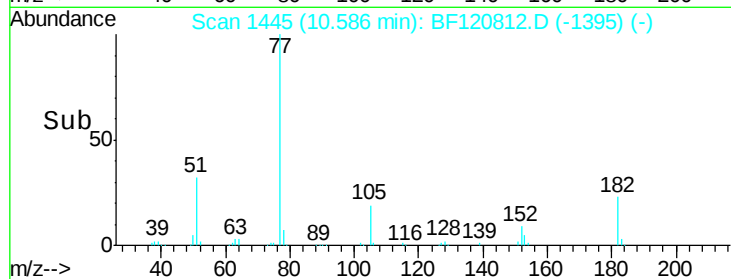
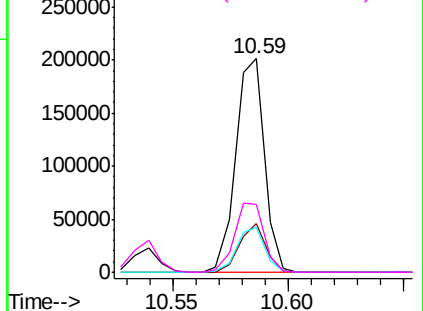
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		174482		
182	22.7	4.0	44.0		
105	20.8	2.6	42.6		
51	31.8	11.5	51.5		

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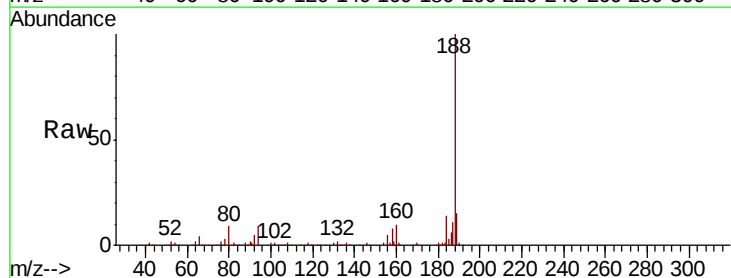


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

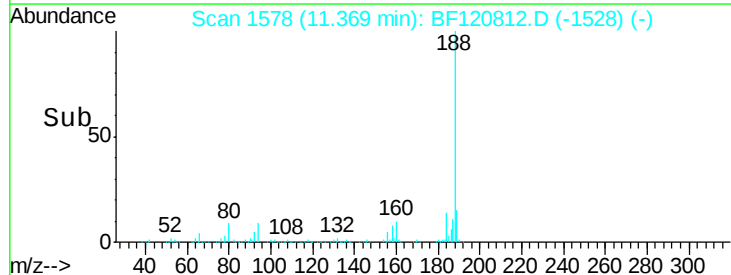
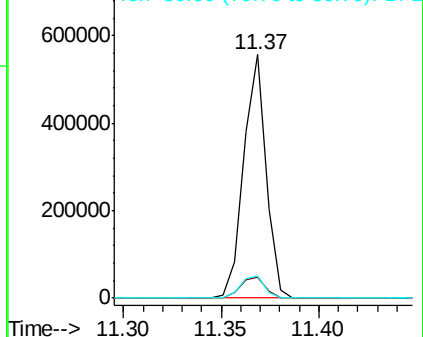


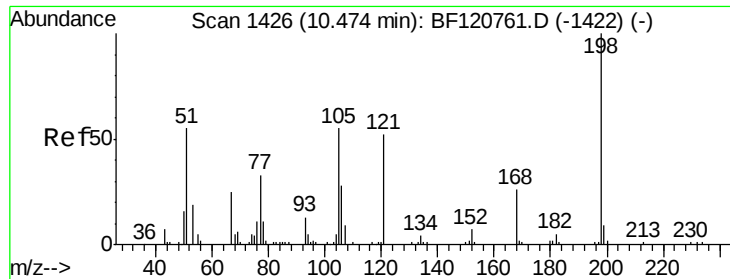
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		442635		
94	8.8	6.6	9.8		
80	9.2	6.6	10.0		



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





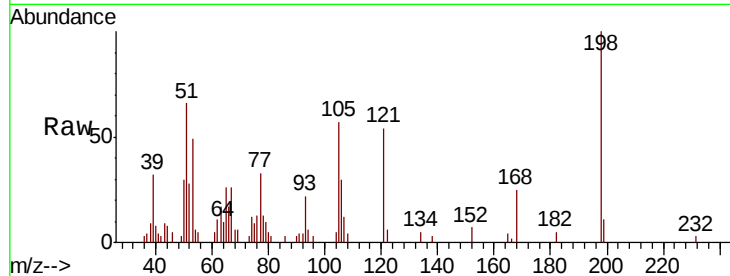
#65
4,6-Dinitro-2-methylphenol
Concen: 6.586 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

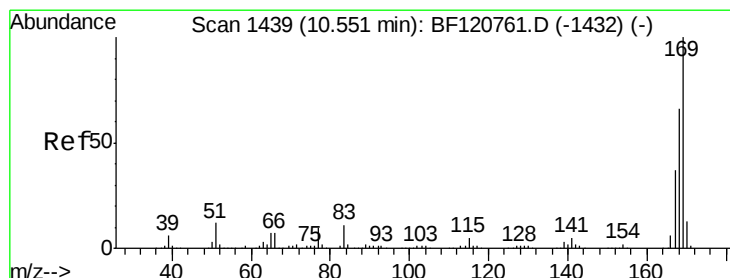
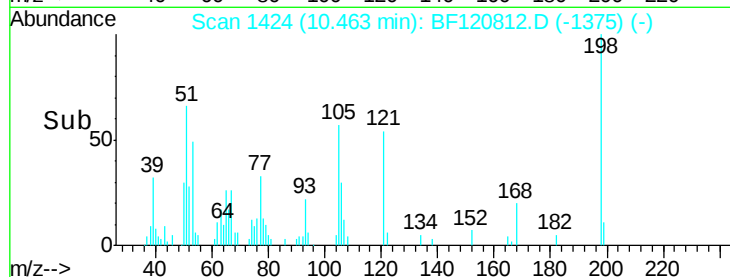
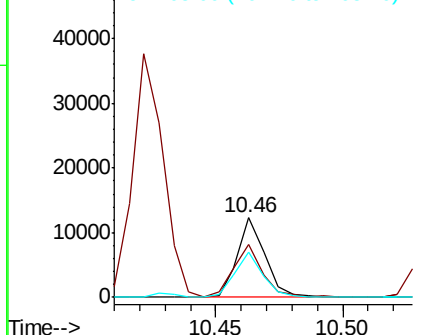
Tot Ion	Ratio	Lower	Upper
198	100		
51	66.2	50.0	90.0
105	57.0	38.3	78.3

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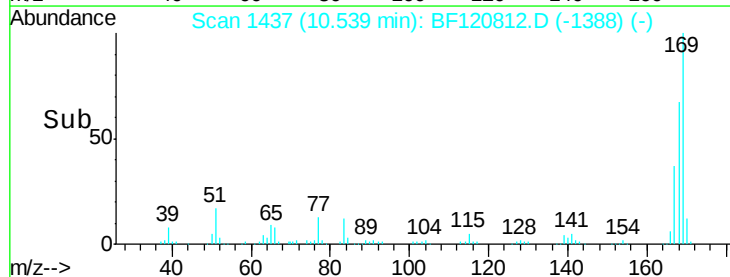
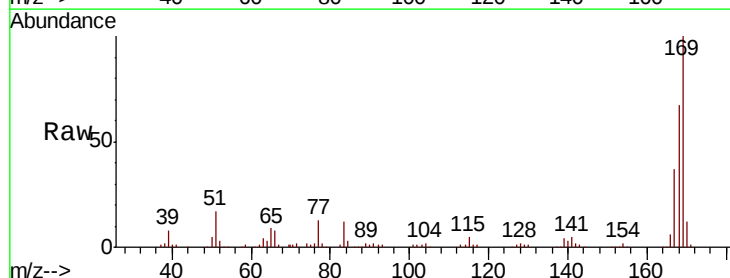
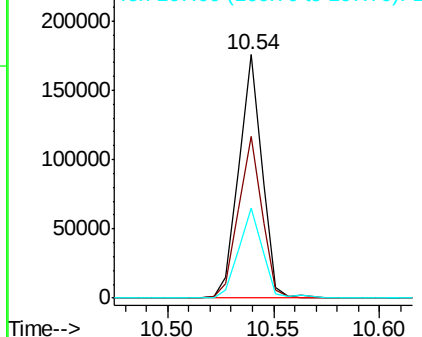
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

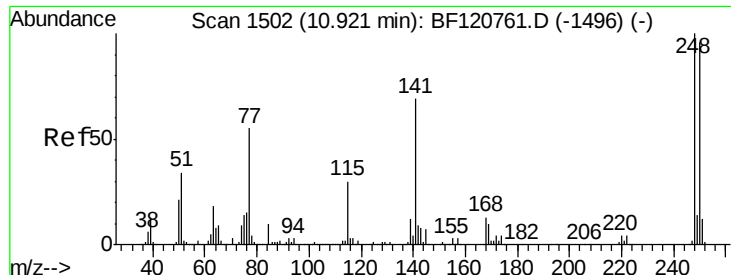


#66
n-Nitrosodiphenylamine
Concen: 8.925 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.1	79.7
167	37.0	29.6	44.4

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





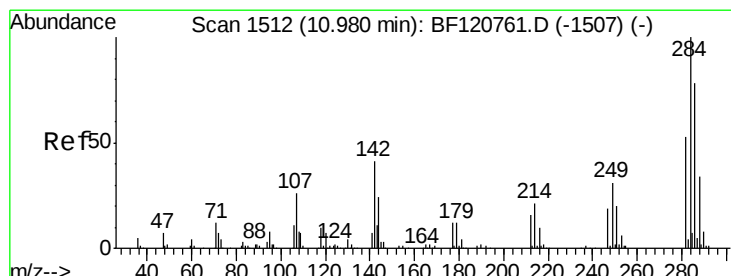
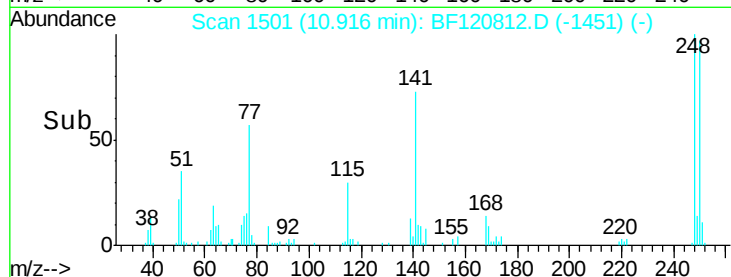
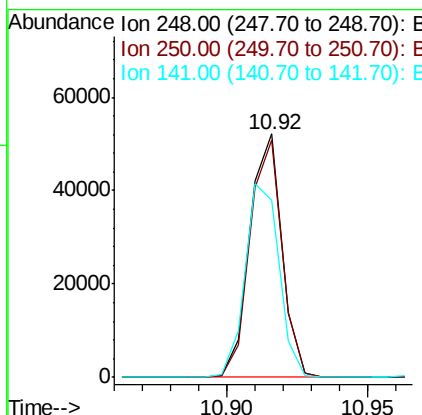
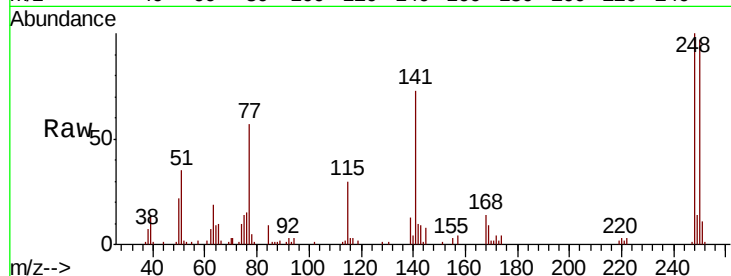
#67
 4-Bromophenyl-phenylether
 Concen: 8.062 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:	248	Resp:	41396
Ion Ratio	Lower	Upper	
248	100		
250	97.4	76.5	114.7
141	72.8	54.9	82.3

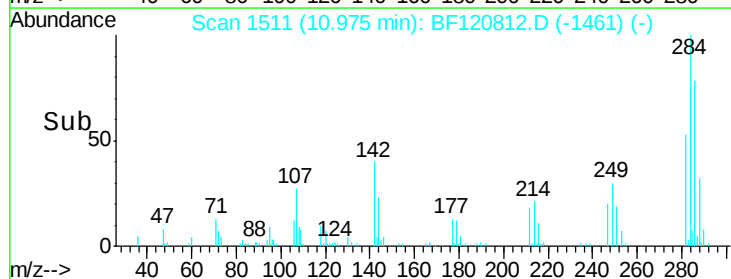
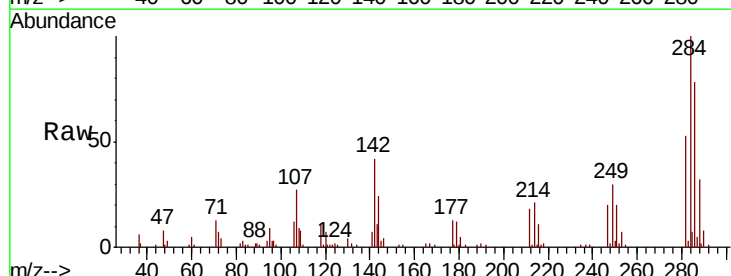
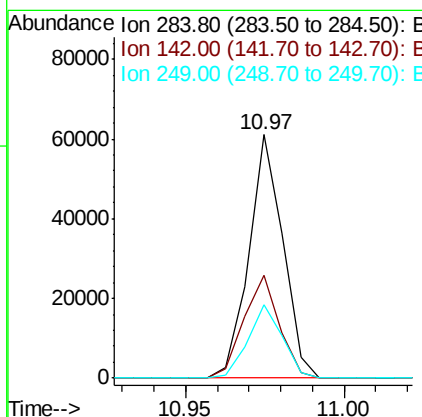
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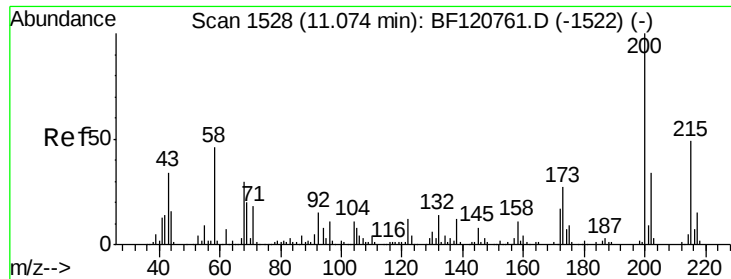
mohammad
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#68
 Hexachlorobenzene
 Concen: 8.409 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:	284	Resp:	45307
Ion Ratio	Lower	Upper	
284	100		
142	42.3	32.5	48.7
249	30.3	24.8	37.2





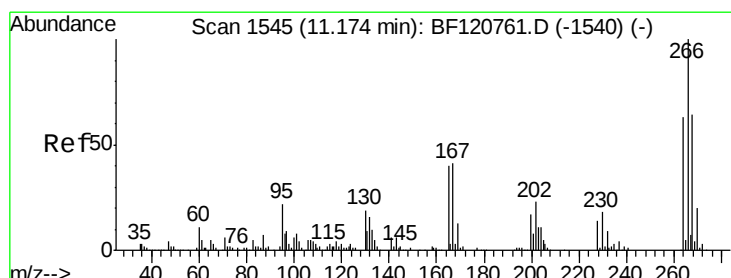
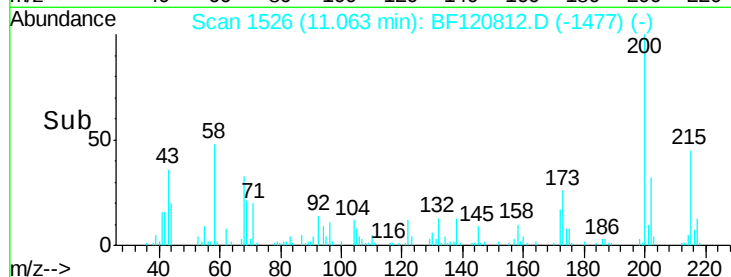
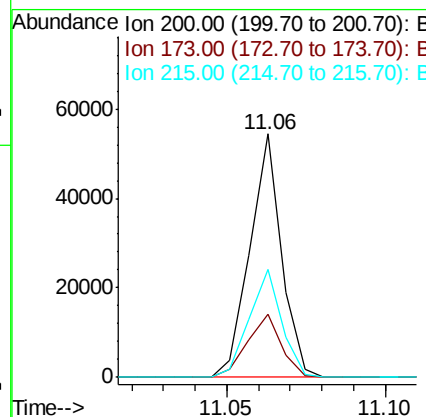
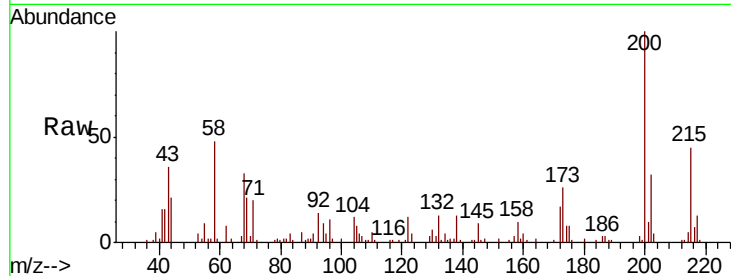
#69
 Atrazine
 Concen: 9.849 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.1	7.4	47.4
215	44.6	28.8	68.8

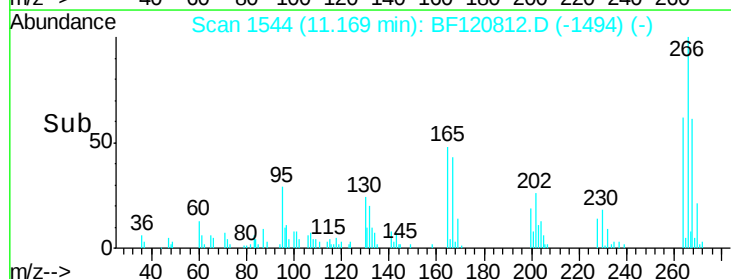
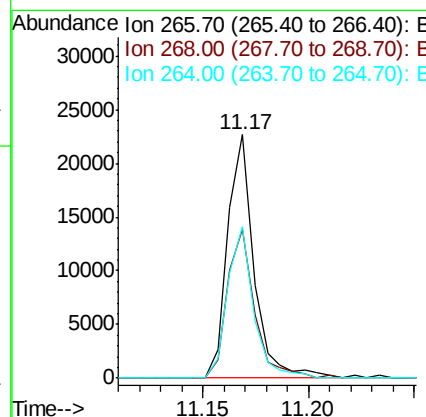
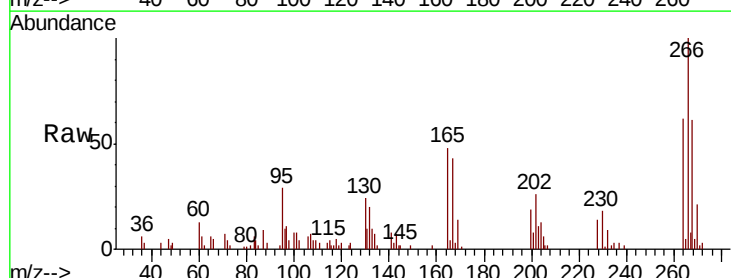
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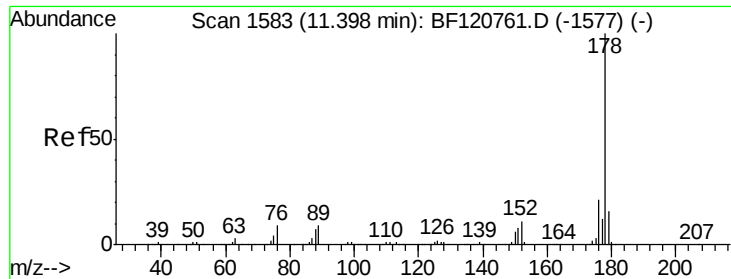
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#70
 Pentachlorophenol
 Concen: 6.432 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.1	51.4	77.2
264	62.1	50.6	75.8





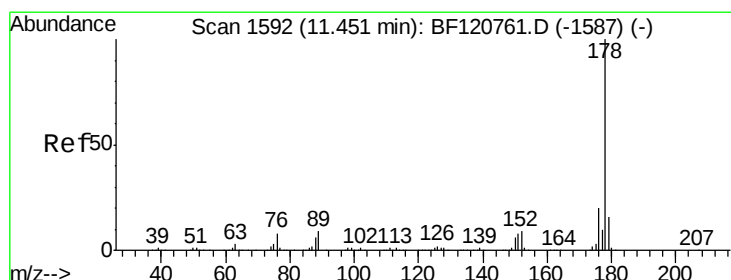
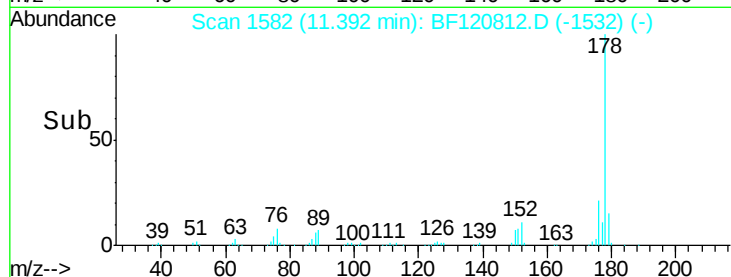
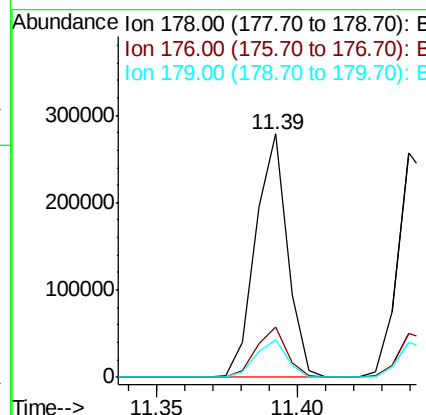
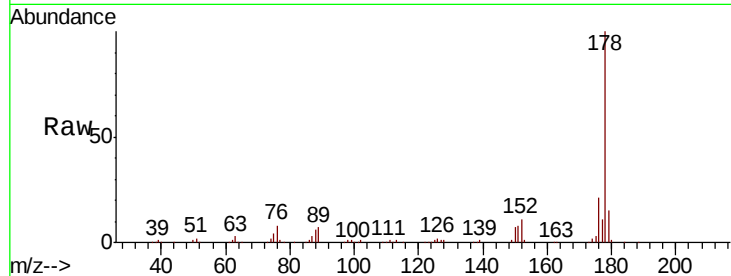
#71
Phenanthrene
Concen: 9.100 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.4	24.6
179	15.4	12.9	19.3

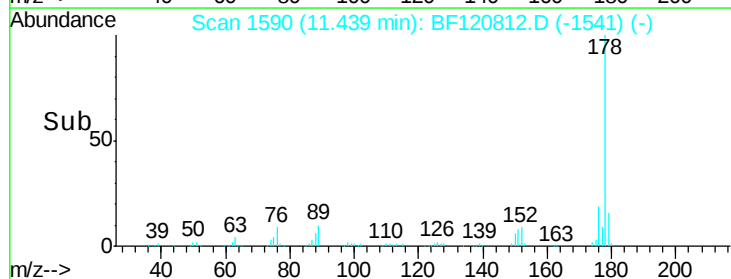
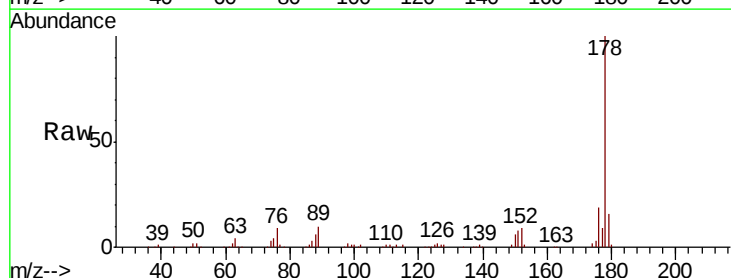
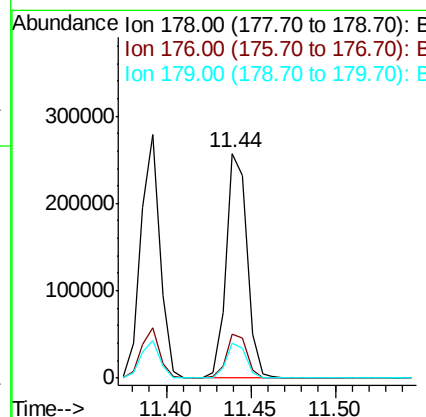
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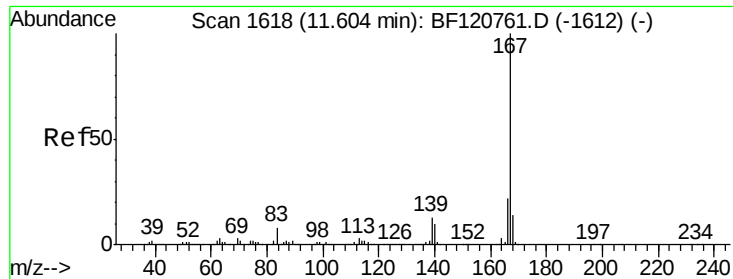
mohammad
7/10/2020 11:49:34 AM



#72
Anthracene
Concen: 9.165 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.6	12.7	19.1





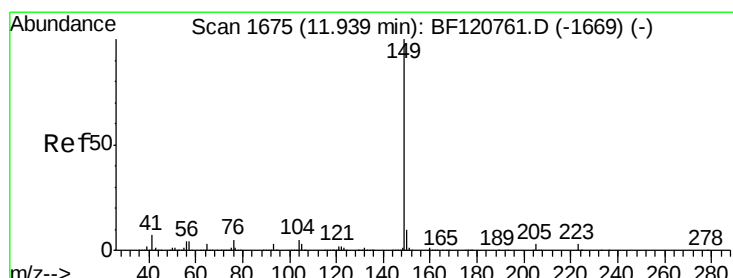
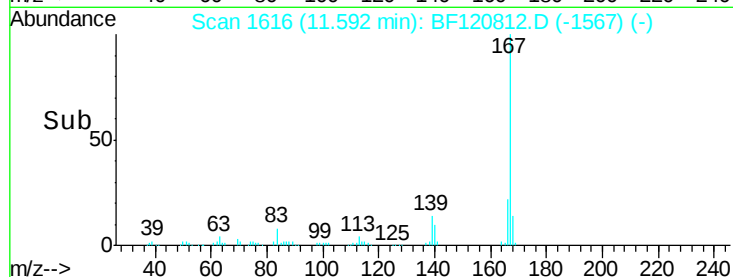
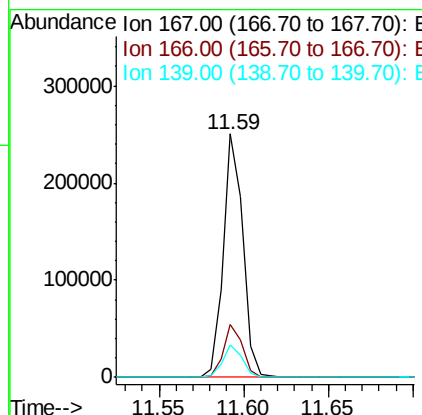
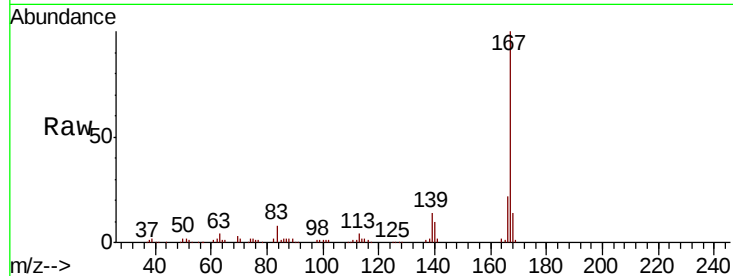
#73
 Carbazole
 Concen: 8.670 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.8
139	13.5	10.7	16.1

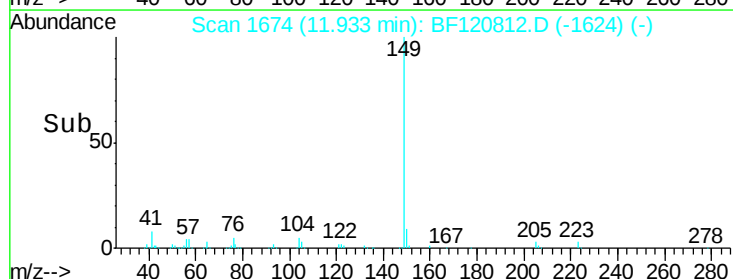
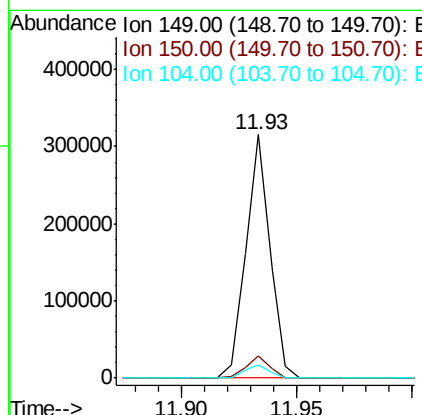
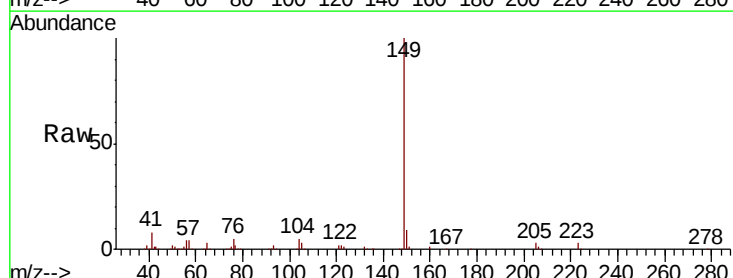
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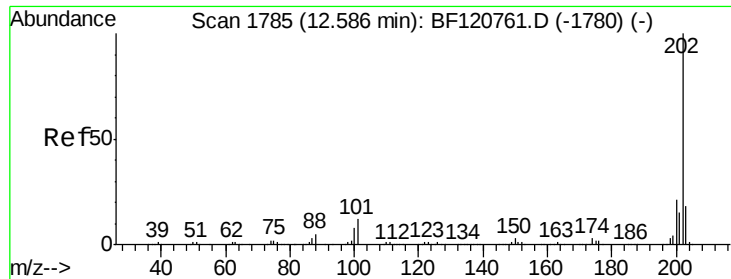
mohammad
 7/10/2020 11:49:34 AM



#74
 Di-n-butylphthalate
 Concen: 7.959 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.7	11.5
104	5.3	4.0	6.0





#75

Fluoranthene

Concen: 8.595 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

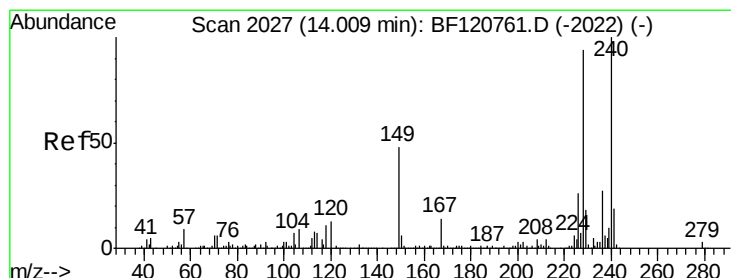
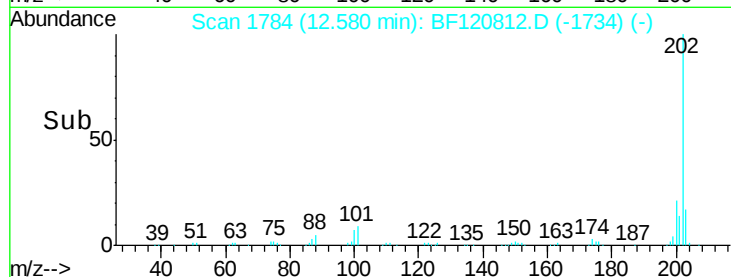
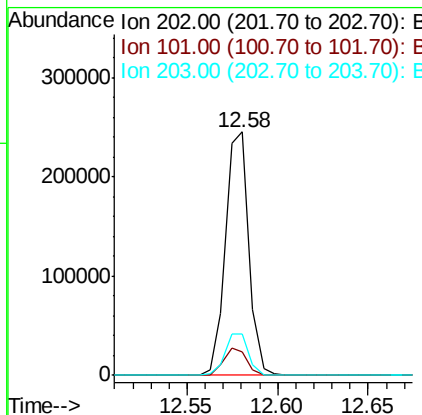
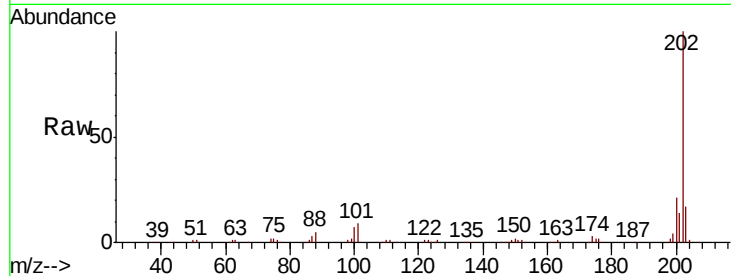
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	202	Resp:	219887
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	31.6
203	17.0	0.0	38.2

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#76

Chrysene-d12

Concen: 20.000 ng

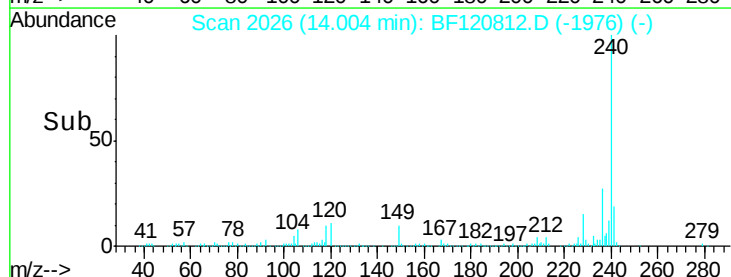
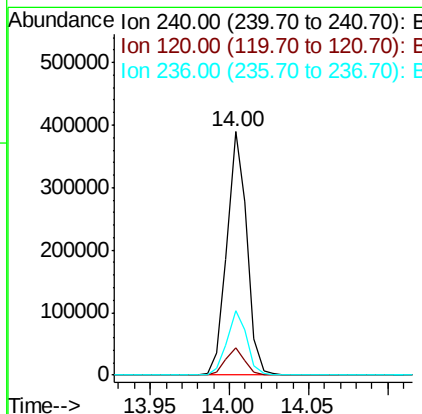
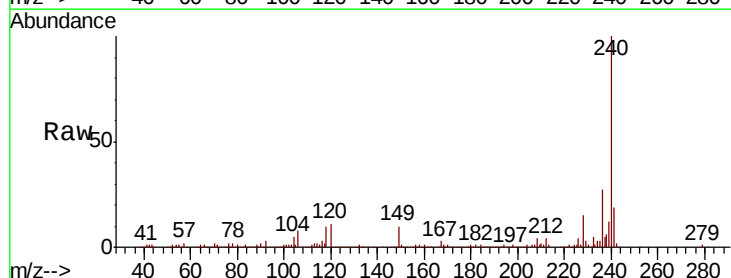
RT: 14.00 min Scan# 2026

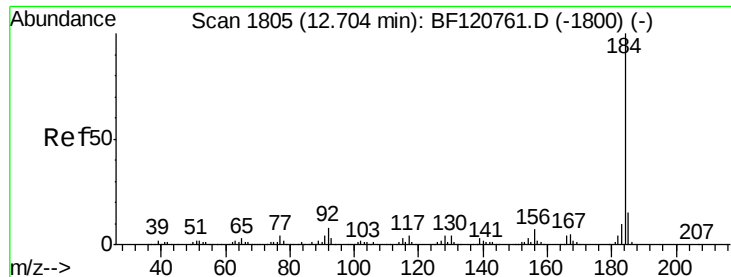
Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:	240	Resp:	339715
Ion Ratio	Lower	Upper	
240	100		
120	11.2	10.3	15.5
236	26.6	21.4	32.2





#77

Benzidine

Concen: 9.314 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

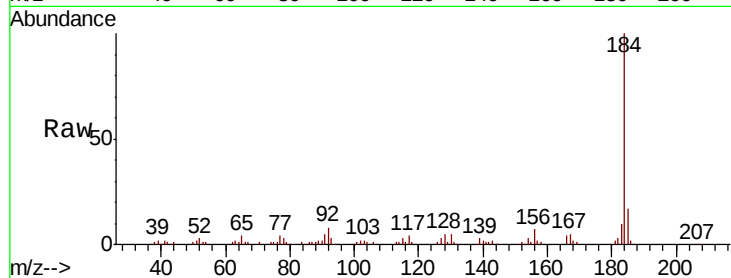
ClientSampleId :

LOQ-SOIL-02-QT3-2020

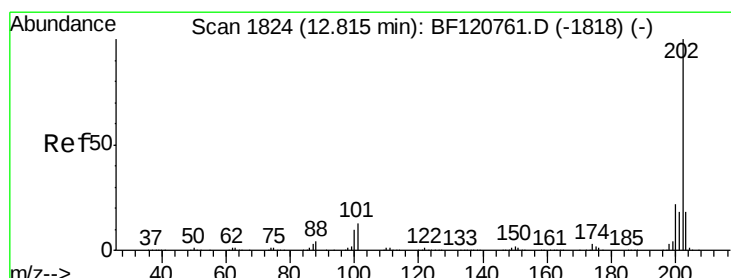
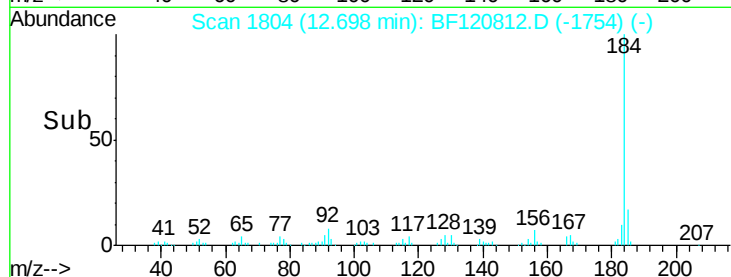
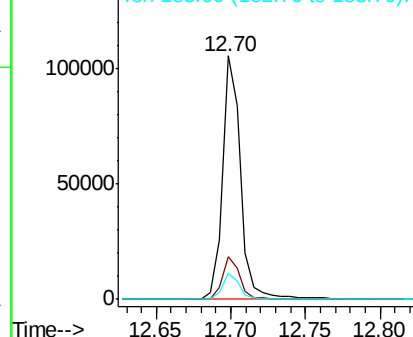
Tot Ion:	184	Resp:	89314
Ion Ratio	Lower	Upper	
184	100		
185	17.4	11.8	17.8
183	10.5	8.3	12.5

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.506 ng

RT: 12.80 min Scan# 1822

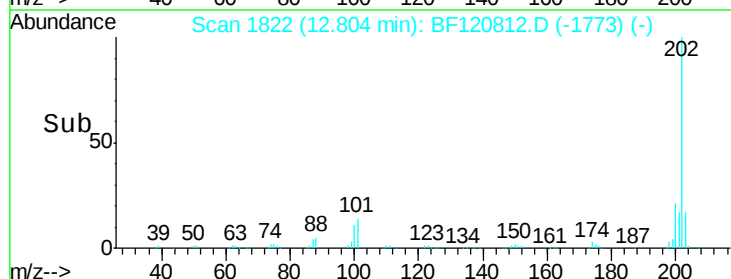
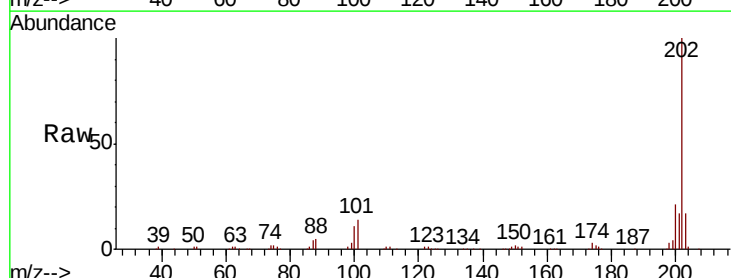
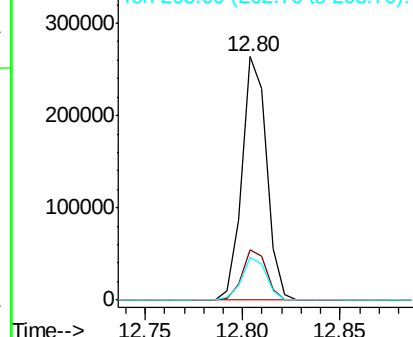
Delta R.T. -0.01 min

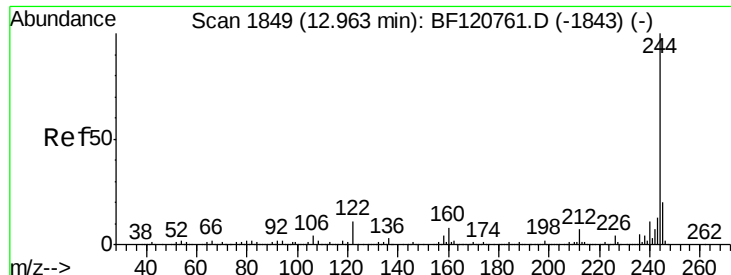
Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:	202	Resp:	230780
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.3	25.9
203	17.3	14.6	22.0

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





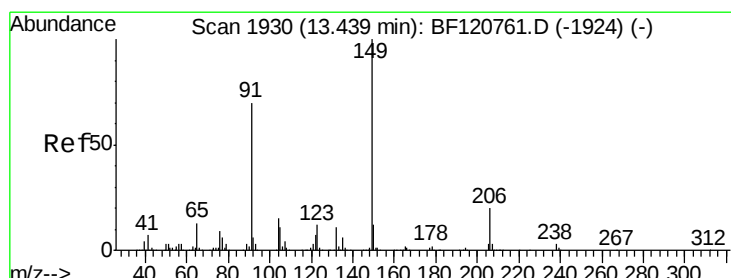
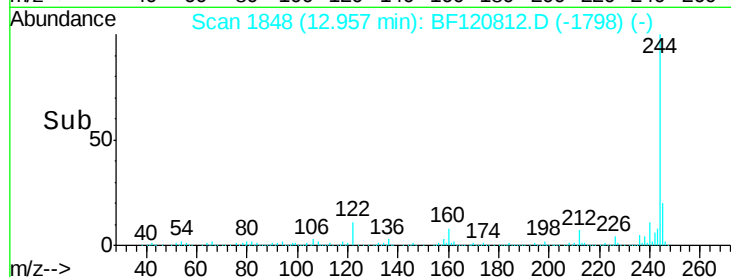
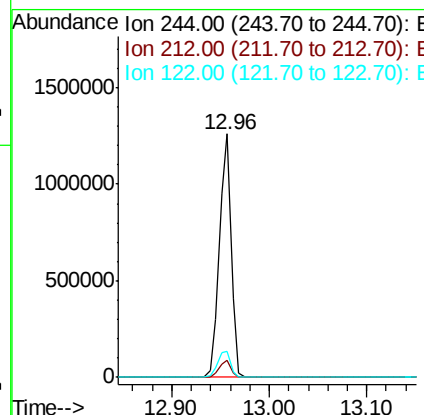
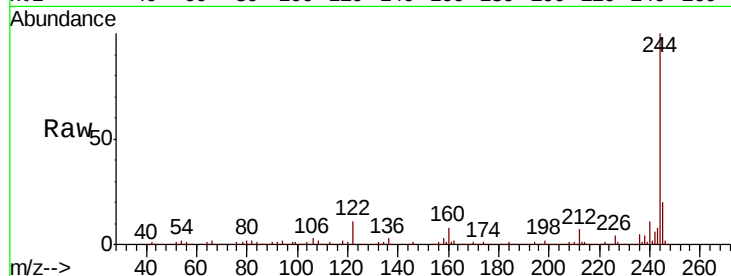
#79
 Terphenyl-d14
 Concen: 60.873 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:244 Resp: 1056206
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.9 9.0 13.4

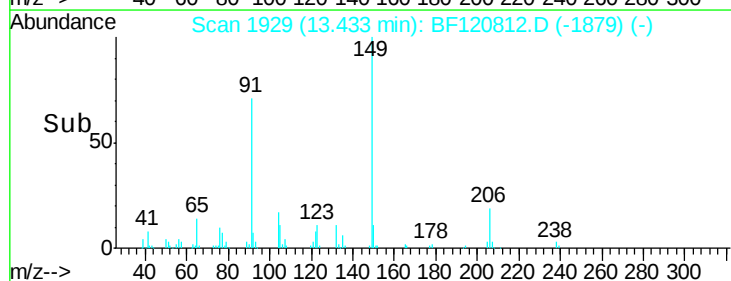
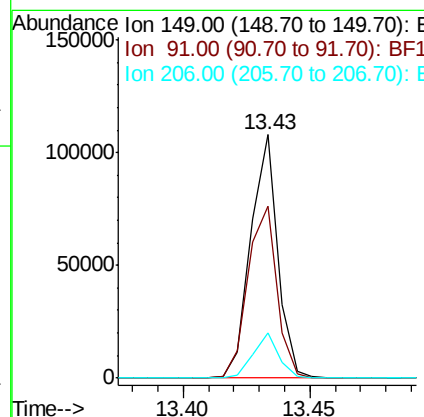
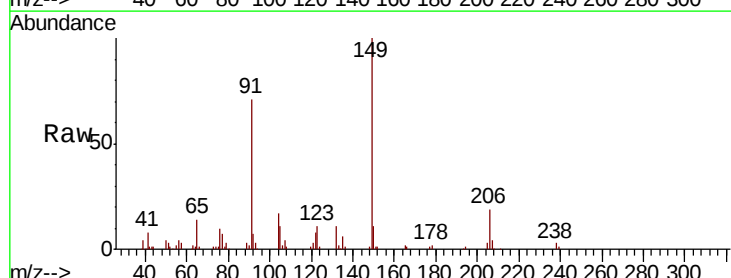
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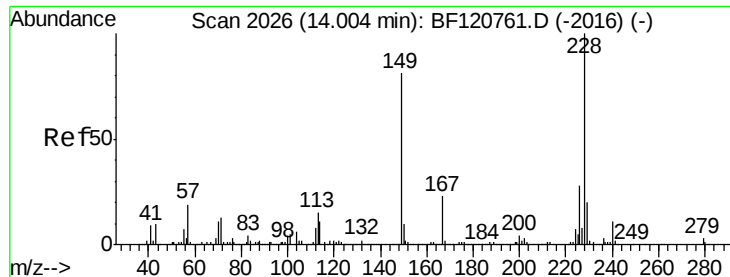
mohammad
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#80
 Butylbenzylphthalate
 Concen: 6.850 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:149 Resp: 80234
 Ion Ratio Lower Upper
 149 100
 91 70.8 55.8 83.8
 206 18.8 15.7 23.5





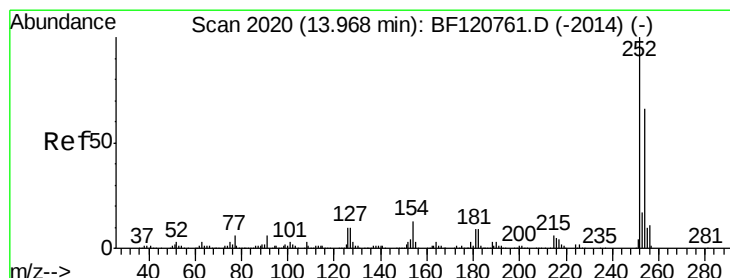
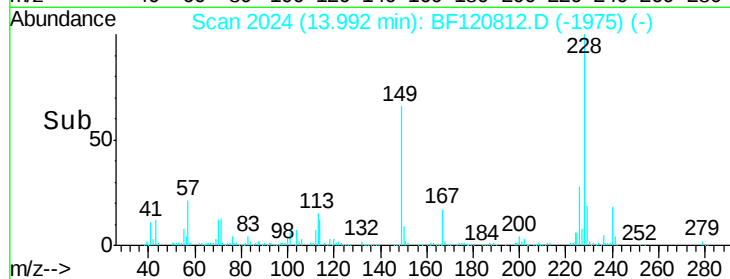
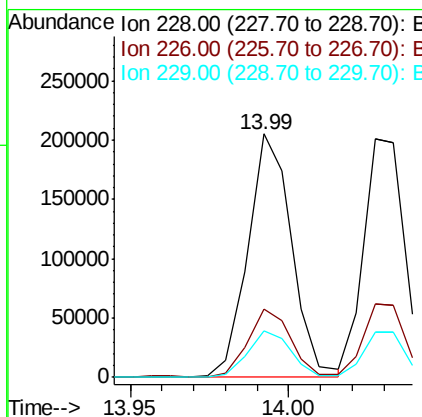
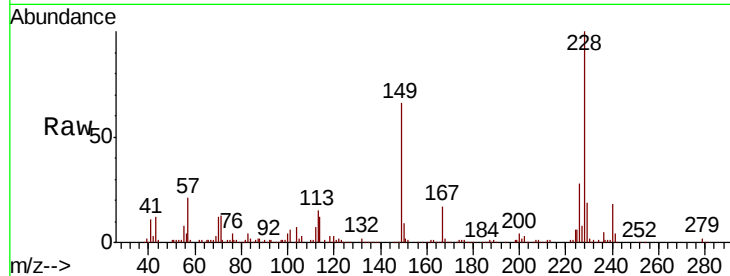
#81
Benzo(a)anthracene
Concen: 9.024 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT3-2020

Tot Ion:	228	Resp:	196500
Ion Ratio		Lower	Upper
228	100		
226	28.3	22.6	33.8
229	19.3	15.8	23.6

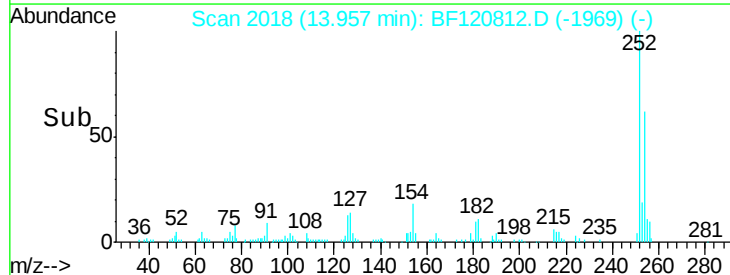
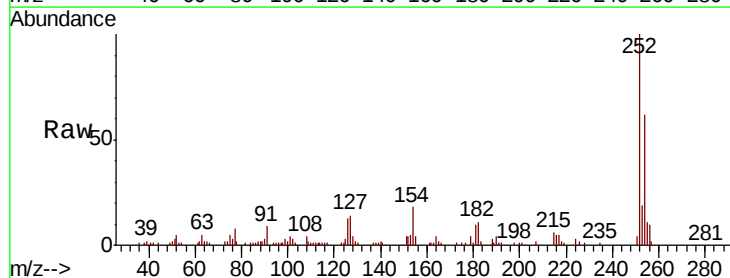
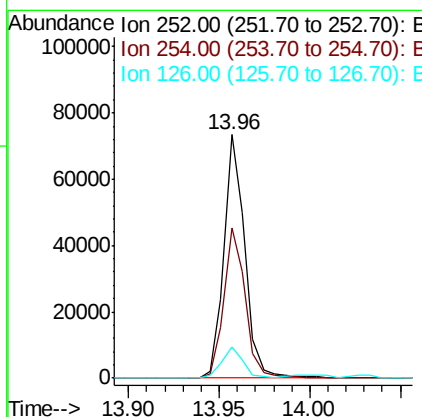
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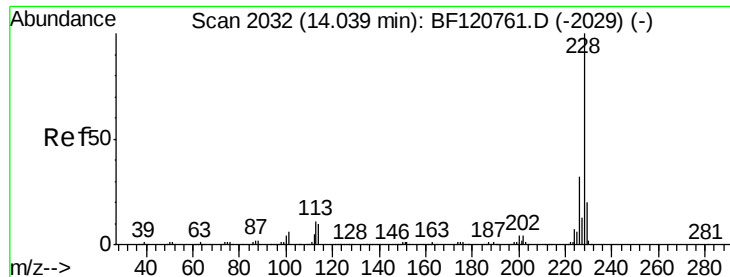
mohammad
7/10/2020 11:49:34 AM



#82
3,3'-Dichlorobenzidine
Concen: 8.021 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:	252	Resp:	58941
Ion Ratio		Lower	Upper
252	100		
254	61.8	52.6	78.8
126	13.0	7.8	11.8#





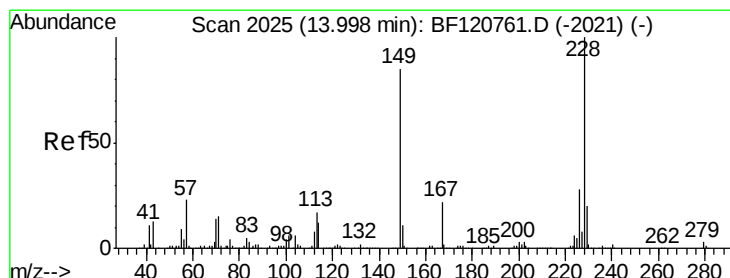
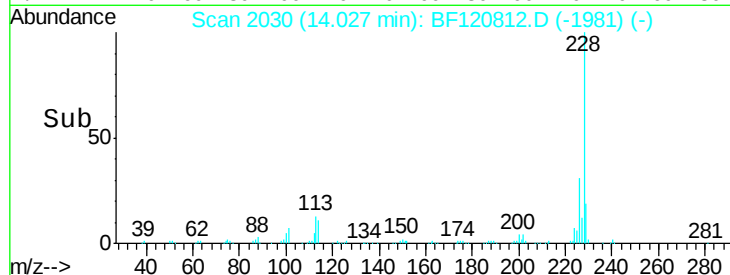
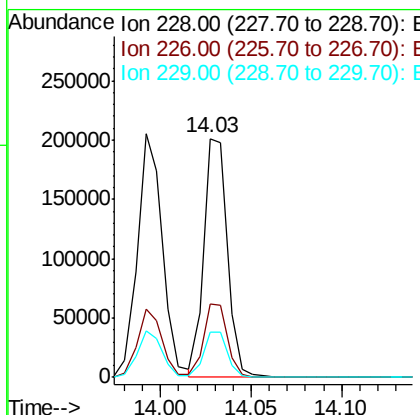
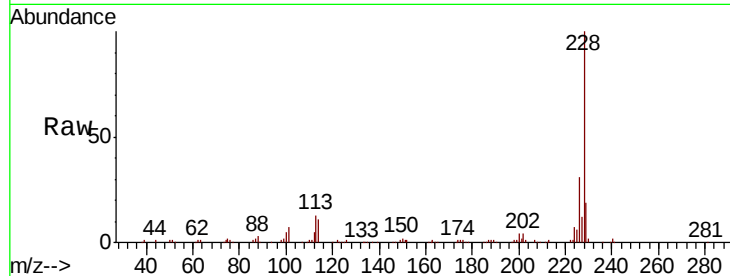
#83
Chrysene
Concen: 8.245 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.7	38.5
229	19.2	16.3	24.5

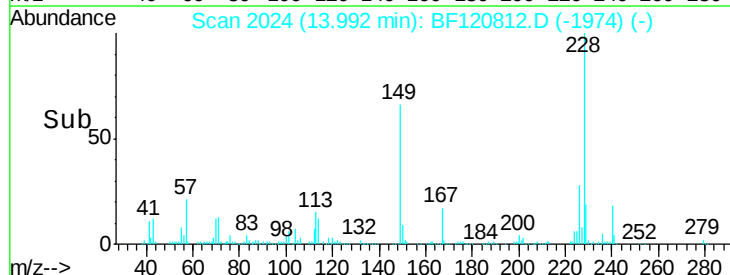
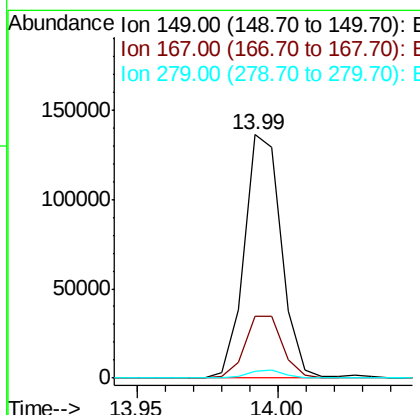
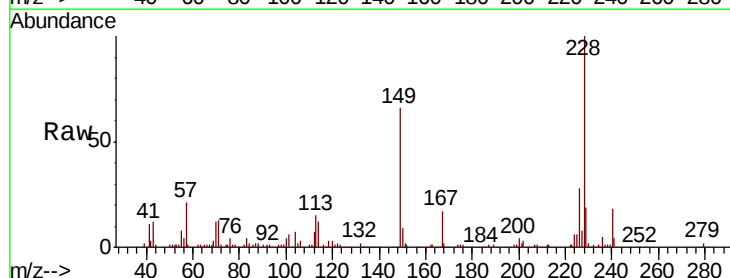
Manual Integrations
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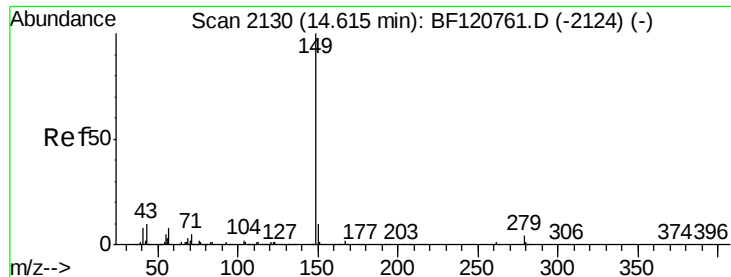
mohammad
7/10/2020 11:49:34 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.059 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.9	31.3
279	2.6	2.6	4.0





#85

Di-n-octyl phthalate

Concen: 6.043 ng

RT: 14.61 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

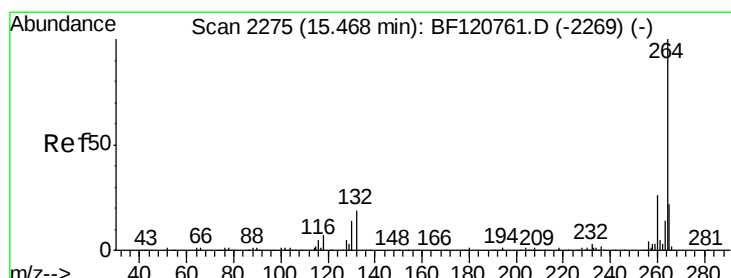
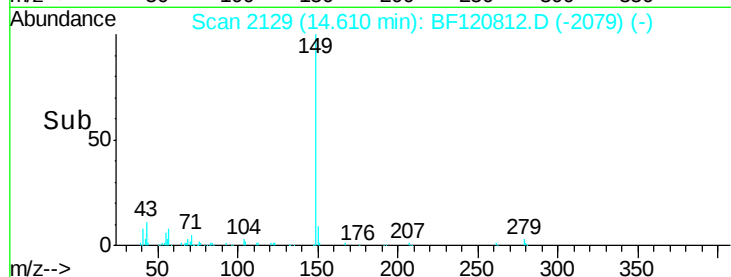
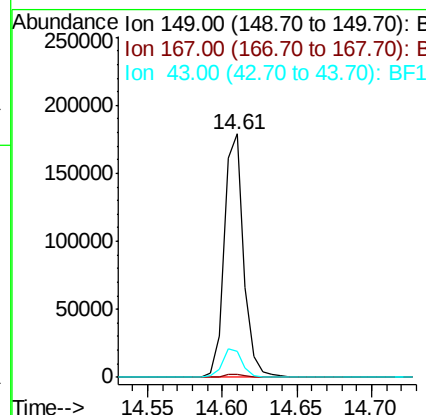
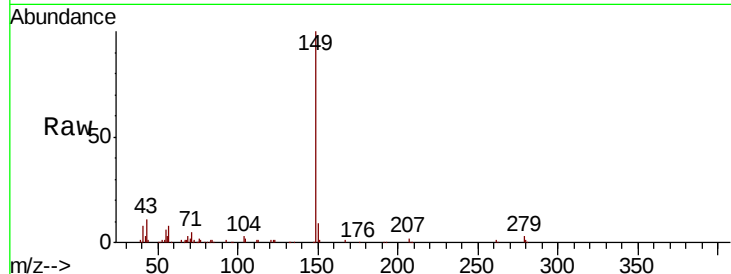
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	149	Resp:	164218
Ion Ratio	Lower	Upper	
149	100		
167	1.4	1.2	1.8
43	12.1	8.7	13.1

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#86

Perylene-d12

Concen: 20.000 ng

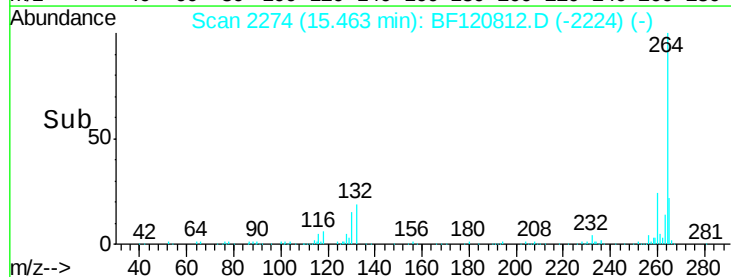
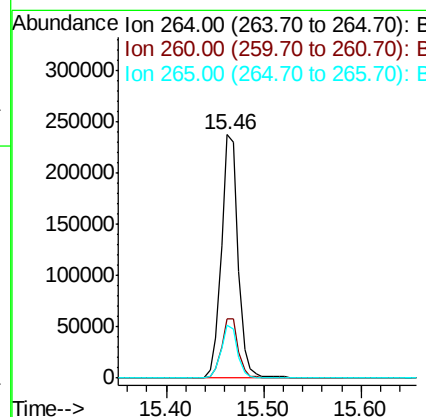
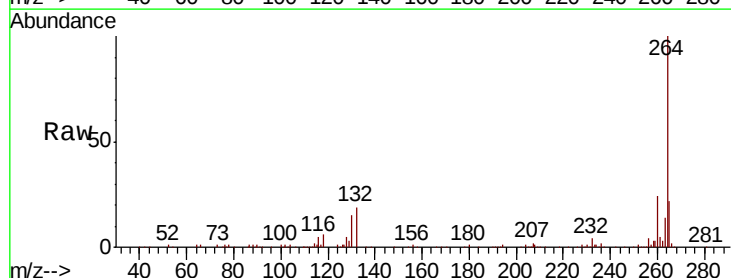
RT: 15.46 min Scan# 2274

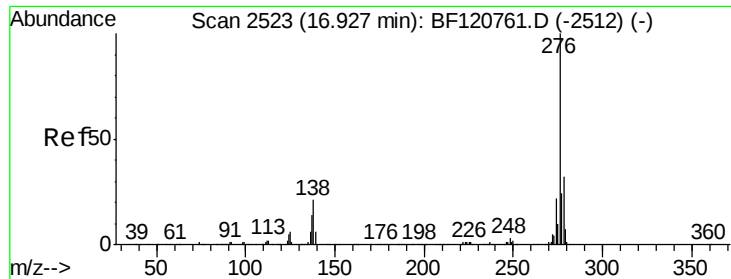
Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:	264	Resp:	282120
Ion Ratio	Lower	Upper	
264	100		
260	24.4	20.6	30.8
265	21.7	17.6	26.4





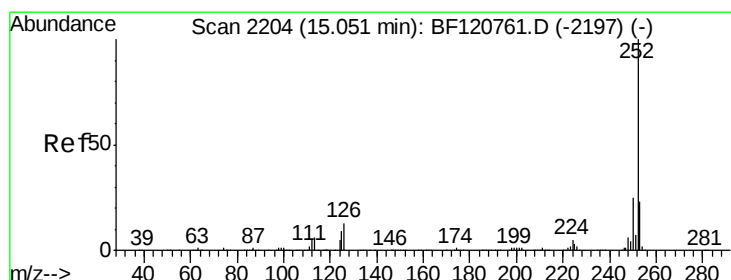
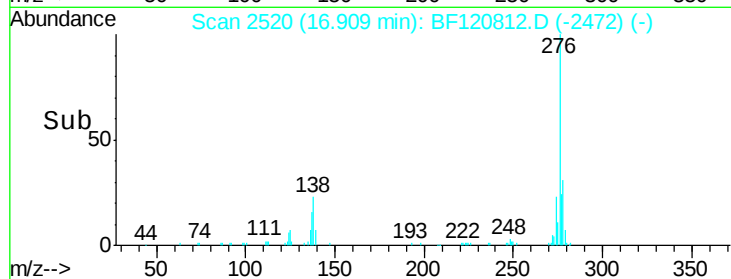
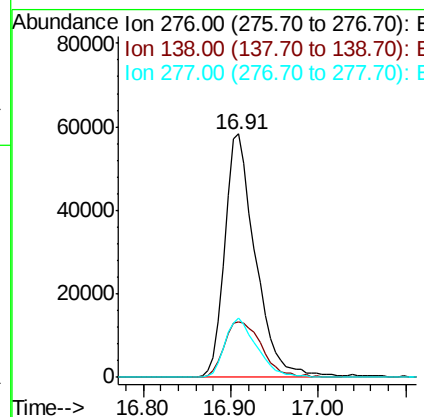
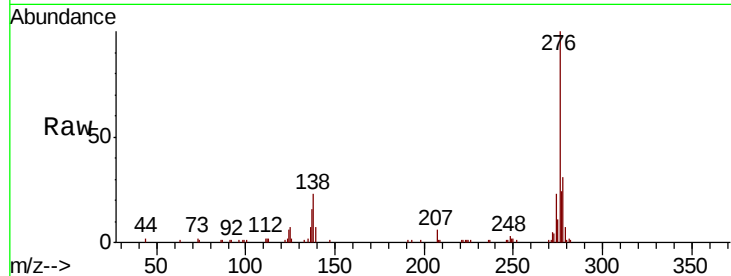
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.767 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.02 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	19.8	29.8
277	25.0	19.9	29.9

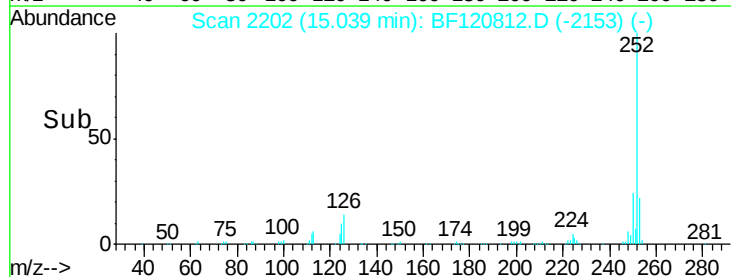
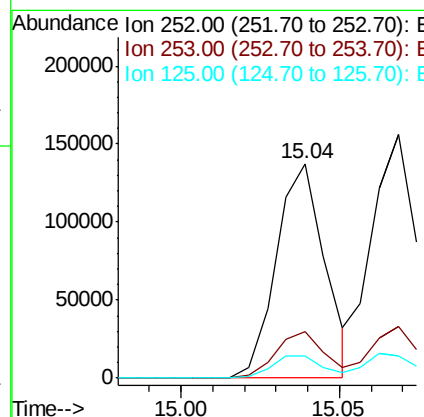
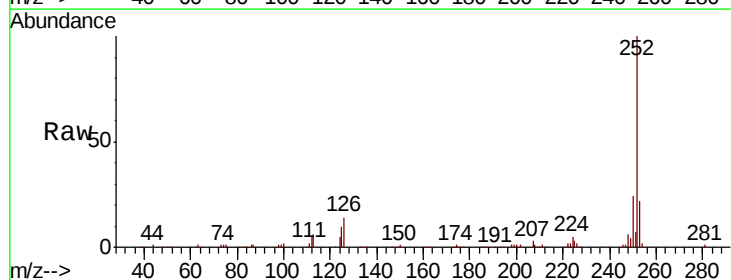
Manual Integrations
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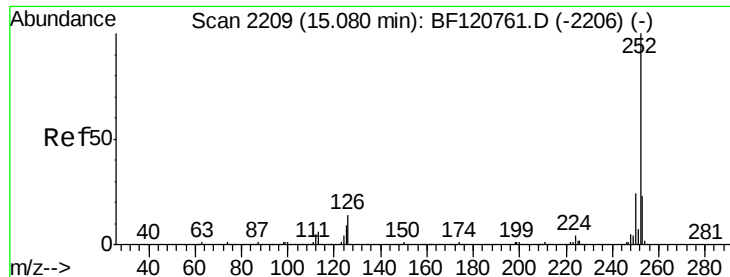
mohammad
 7/10/2020 11:49:34 AM



#88
 Benzo(b)fluoranthene
 Concen: 7.914 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	10.3	7.5	11.3





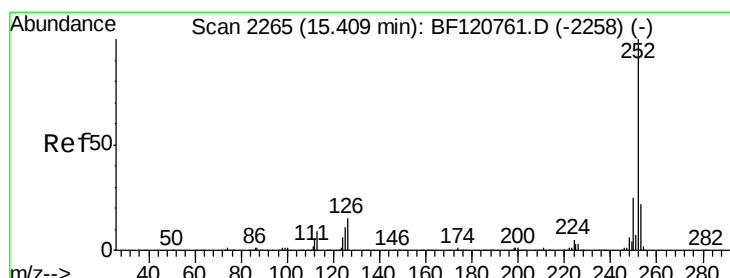
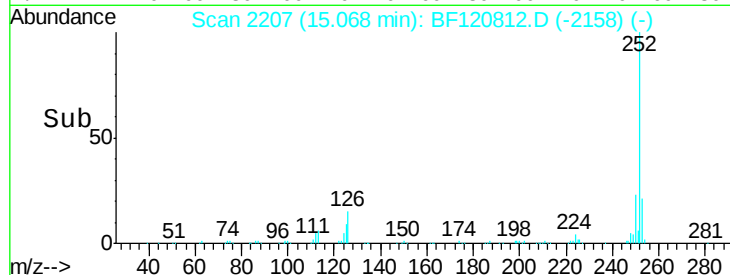
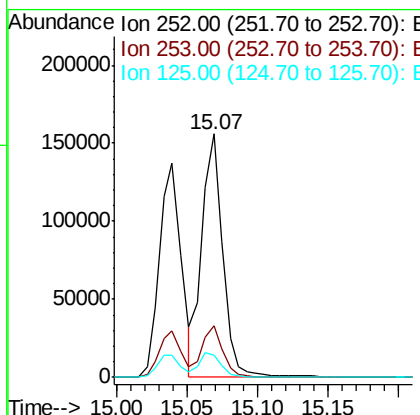
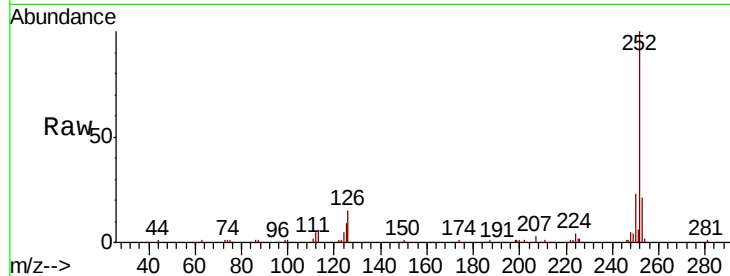
#89
Benzo(k)fluoranthene
Concen: 8.895 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
252	100	160529		
253	20.9		17.9	26.9
125	9.3		7.6	11.4

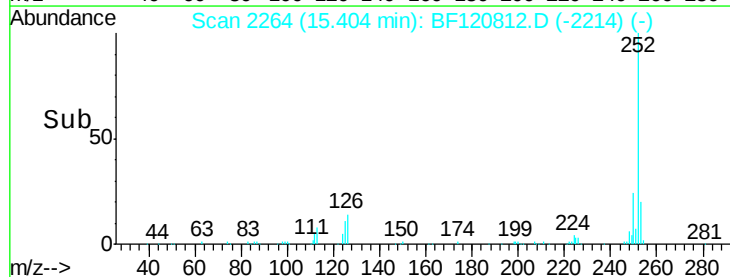
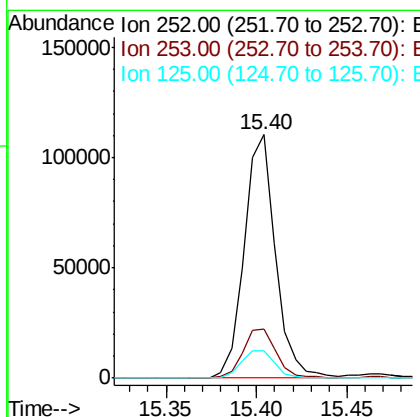
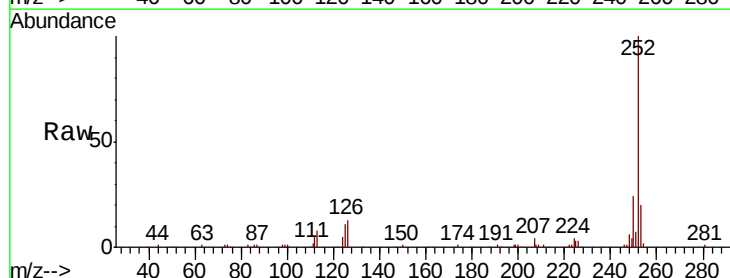
Manual Integrations
APPROVED

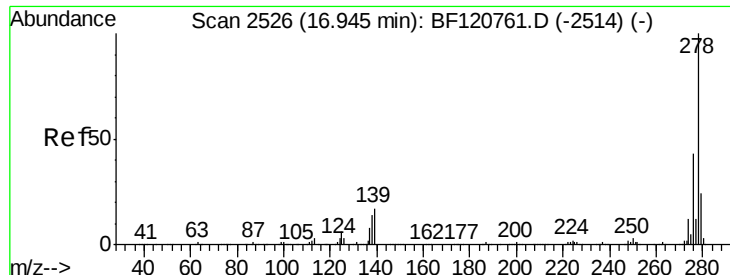
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#90
Benzo(a)pyrene
Concen: 7.983 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	132081		
253	20.2		17.4	26.0
125	11.3		9.2	13.8





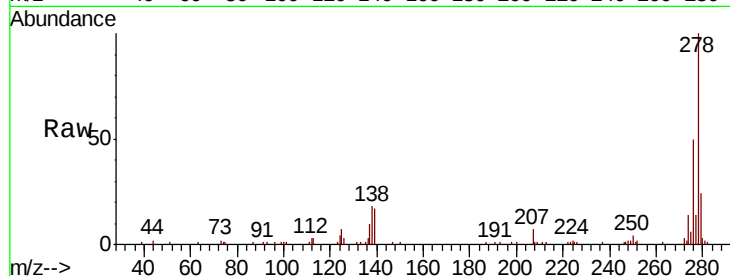
#91
Dibenzo(a,h)anthracene
Concen: 8.067 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

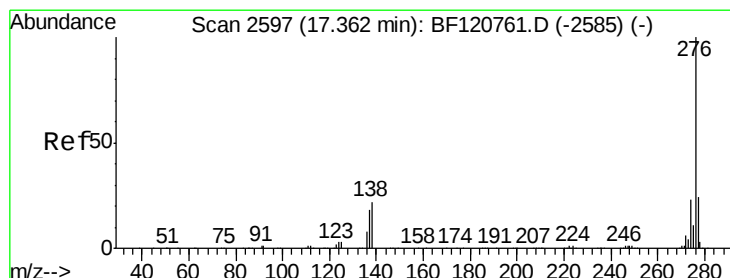
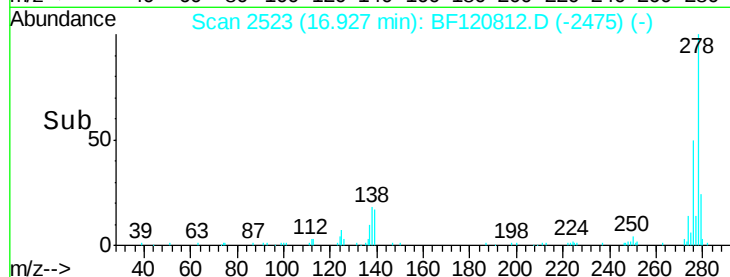
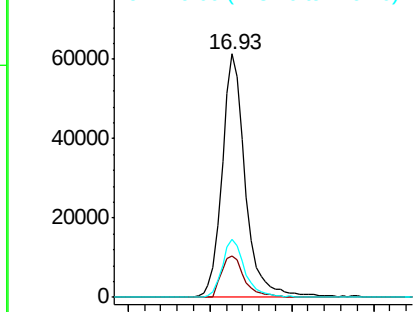
Tot Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.3	19.9
279	23.6	19.0	28.6

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.331 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	23.0	17.4	26.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

