

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120822.D
 Acq On : 10 Jul 2020 10:14
 Operator : JU/CG
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Manual Integrations
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Quant Time: Jul 10 11:17:14 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 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140065	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	523765	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	256173	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	441700	20.00	ng	0.00
76) Chrysene-d12	14.00	240	322836	20.00	ng	0.00
86) Perylene-d12	15.46	264	267450	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	834928	92.02	ng	0.00
7) Phenol-d6	6.47	99	1065589	91.96	ng	0.00
23) Nitrobenzene-d5	7.41	82	714439	79.03	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	248308	96.48	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1278956	75.53	ng	0.00
79) Terphenyl-d14	12.95	244	1035539	62.80	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	32103	7.745	ng	99
3) Pyridine	3.36	79	59001	5.197	ng	98
4) n-Nitrosodimethylamine	3.26	42	35812	6.305	ng	98
6) Aniline	6.50	93	104854	7.046	ng	99
8) 2-Chlorophenol	6.63	128	67721	7.010	ng	94
9) Benzaldehyde	6.39	77	59314	8.607	ng	97
10) Phenol	6.48	94	83909m	7.039	ng	
11) bis(2-Chloroethyl)ether	6.58	93	66223	6.827	ng	99
12) 1,3-Dichlorobenzene	6.79	146	75241	7.076	ng	99
13) 1,4-Dichlorobenzene	6.86	146	76286	7.163	ng	99
14) 1,2-Dichlorobenzene	7.02	146	71916	7.098	ng	99
15) Benzyl Alcohol	6.98	79	66089	7.591	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.12	45	99464	6.574	ng	98
17) 2-Methylphenol	7.09	107	52775	6.107	ng	98
18) Hexachloroethane	7.36	117	27096	6.769	ng	95
19) n-Nitroso-di-n-propylamine	7.25	70	46362	6.645	ng	97
20) 3+4-Methylphenols	7.24	107	68029	6.391	ng	94
22) Acetophenone	7.25	105	100713	7.736	ng	96
24) Nitrobenzene	7.42	77	75417	7.430	ng	94
25) Isophorone	7.66	82	123360	6.328	ng	98
26) 2-Nitrophenol	7.74	139	21935	5.912	ng	93
27) 2,4-Dimethylphenol	7.77	122	54802	7.042	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	79993	6.933	ng	98
29) 2,4-Dichlorophenol	7.97	162	49682	6.395	ng	95
30) 1,2,4-Trichlorobenzene	8.07	180	59816	6.855	ng	98
31) Naphthalene	8.15	128	199606	7.131	ng	98
32) Benzoic acid	7.83	122	16096	3.822	ng	94
33) 4-Chloroaniline	8.19	127	76800	6.466	ng	95
34) Hexachlorobutadiene	8.27	225	34329	6.541	ng	98
35) Caprolactam	8.52	113	12427	5.489	ng	94
36) 4-Chloro-3-methylphenol	8.67	107	50647	6.267	ng	97
37) 2-Methylnaphthalene	8.84	142	126053	6.927	ng	99
38) 1-Methylnaphthalene	8.94	142	118990	6.981	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	55563	7.177	ng	98

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 ALS Vial : 5 Sample Multiplier: 1

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	25559	5.587	nq	99
43) 2,4,6-Trichlorophenol	9.12	196	29751	5.639	nq	96
44) 2,4,5-Trichlorophenol	9.15	196	32978	5.633	nq	98
46) 1,1'-Biphenyl	9.30	154	156775	7.587	nq	99
47) 2-Chloronaphthalene	9.33	162	112294	6.783	nq	98
48) 2-Nitroaniline	9.42	65	28553	6.446	nq	86
49) Acenaphthylene	9.75	152	179571	6.919	nq	97
50) Dimethylphthalate	9.60	163	122572	6.559	nq	98
51) 2,6-Dinitrotoluene	9.66	165	22300	6.605	nq	89
52) Acenaphthene	9.92	154	106569	6.619	nq	96
53) 3-Nitroaniline	9.83	138	25609	6.140	nq	94
54) 2,4-Dinitrophenol	9.93	184	3167	2.840	nq	# 20
55) Dibenzofuran	10.09	168	160225	6.904	nq	99
56) 4-Nitrophenol	9.97	139	16301	5.321	nq	95
57) 2,4-Dinitrotoluene	10.06	165	25943	6.401	nq	96
58) Fluorene	10.43	166	120218	6.959	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	25687m	5.896	nq	
60) Diethylphthalate	10.30	149	121414	6.237	nq	97
61) 4-Chlorophenyl-phenylether	10.42	204	58263	6.709	nq	94
62) 4-Nitroaniline	10.43	138	24254	6.109	nq	95
63) Azobenzene	10.58	77	133039	6.681	nq	93
65) 4,6-Dinitro-2-methylphenol	10.46	198	6259	4.410	nq	93
66) n-Nitrosodiphenylamine	10.54	169	101749	6.873	nq	100
67) 4-Bromophenyl-phenylether	10.92	248	31116	6.073	nq	95
68) Hexachlorobenzene	10.97	284	34394	6.397	nq	97
69) Atrazine	11.06	200	26879	7.047	nq	99
70) Pentachlorophenol	11.17	266	12779	4.201	nq	96
71) Phenanthrene	11.39	178	166309	6.939	nq	97
72) Anthracene	11.44	178	166428	6.872	nq	98
73) Carbazole	11.59	167	148109	6.364	nq	99
74) Di-n-butylphthalate	11.93	149	160136	5.558	nq	99
75) Fluoranthene	12.57	202	159617	6.252	nq	98
77) Benzidine	12.70	184	53657	5.888	nq	# 96
78) Pyrene	12.80	202	165672	6.425	nq	98
80) Butylbenzylphthalate	13.43	149	50466	4.534	nq	99
81) Benzo(a)anthracene	13.99	228	137915	6.664	nq	99
82) 3,3'-Dichlorobenzidine	13.96	252	38449	5.506	nq	# 96
83) Chrysene	14.03	228	134021	6.349	nq	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	82117	5.625	nq	99
85) Di-n-octyl phthalate	14.60	149	100410	3.888	nq	98
87) Indeno(1,2,3-cd)pyrene	16.90	276	100334	5.849	nq	97
88) Benzo(b)fluoranthene	15.03	252	104752	5.958	nq	98
89) Benzo(k)fluoranthene	15.06	252	111070	6.492	nq	99
90) Benzo(a)pyrene	15.40	252	89196	5.687	nq	99
91) Dibenzo(a,h)anthracene	16.93	278	82923	5.800	nq	99
92) Benzo(g,h,i)perylene	17.34	276	83439	6.385	nq	96

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

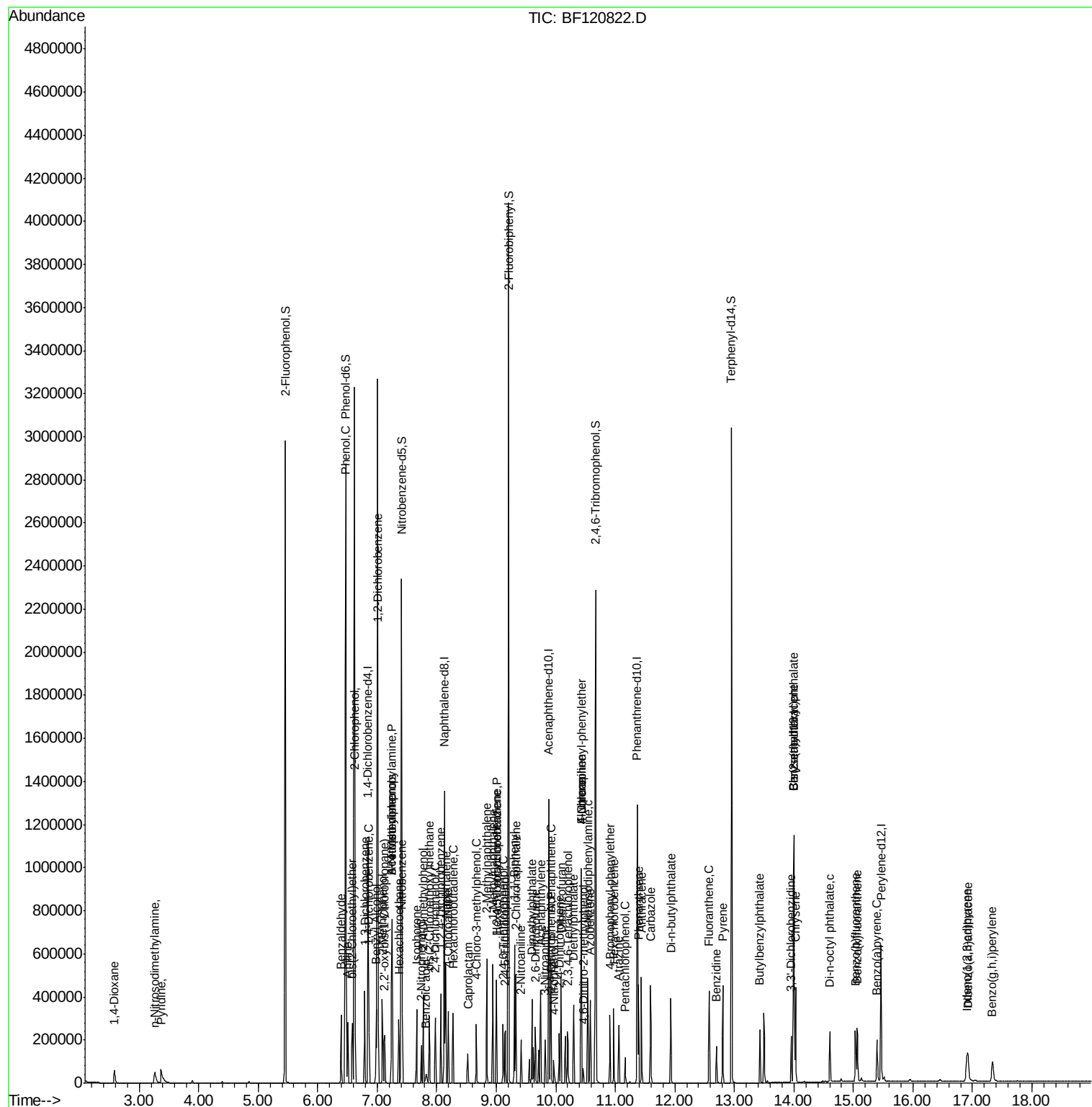
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ALS Vial : 5 Sample Multiplier: 1

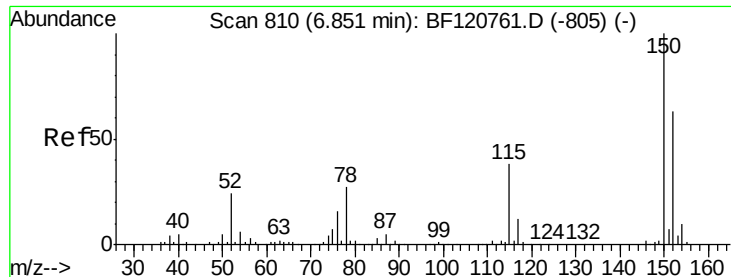
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

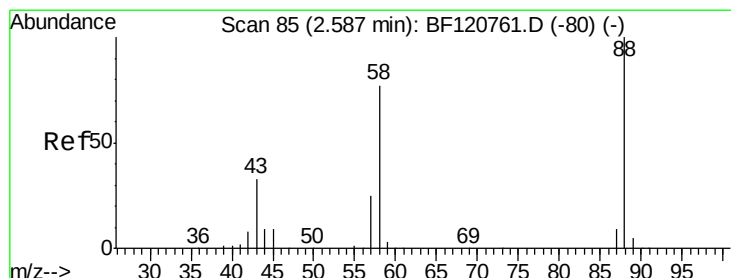
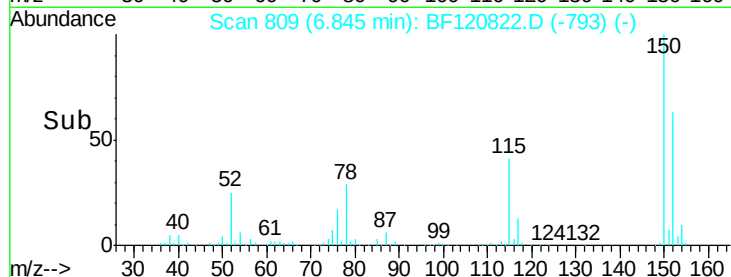
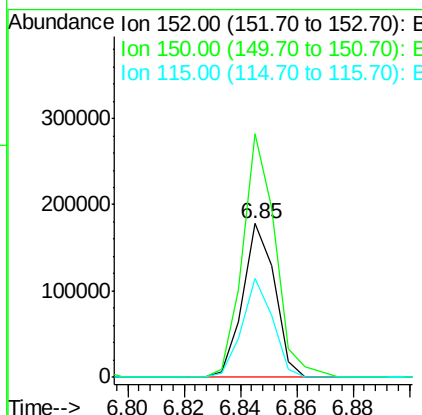
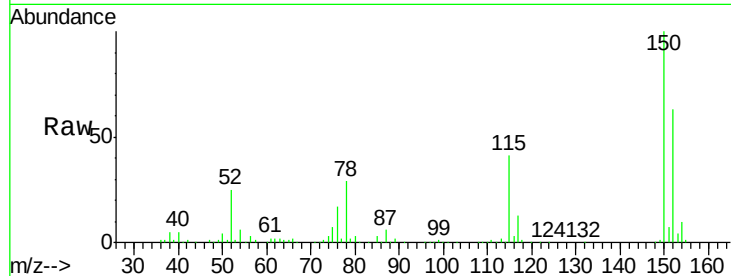
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.1	189.1
115	64.3	48.5	72.7

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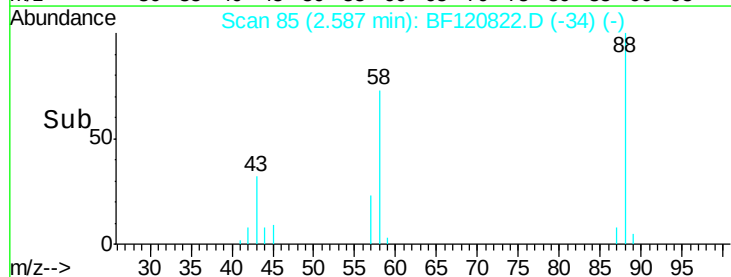
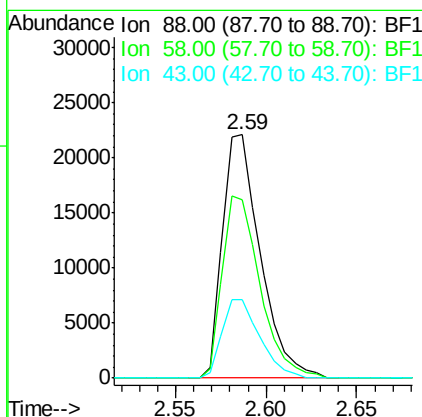
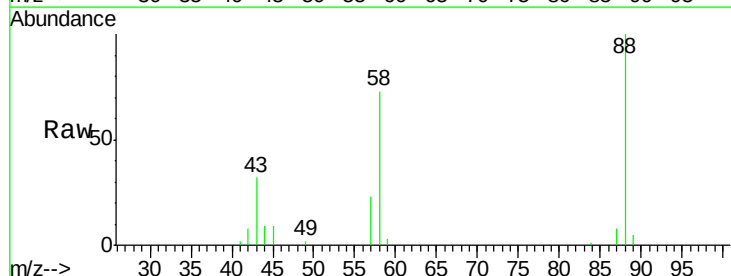
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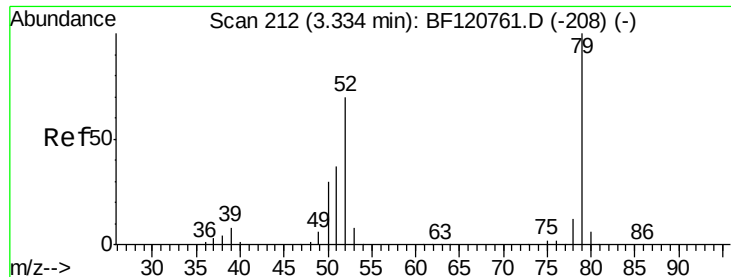


#2

1,4-Dioxane
Concen: 7.745 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.00 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.8	60.4	90.6
43	32.3	26.3	39.5





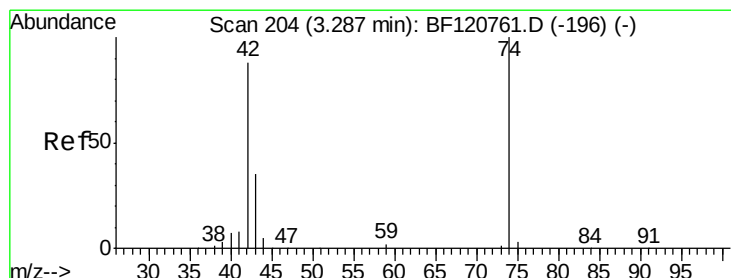
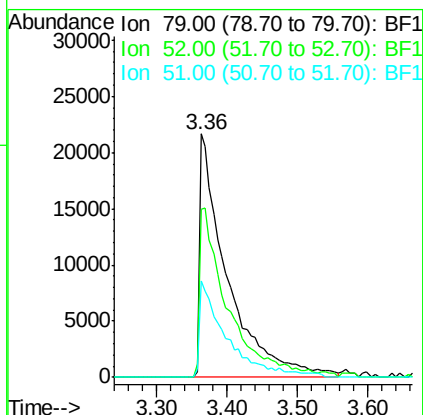
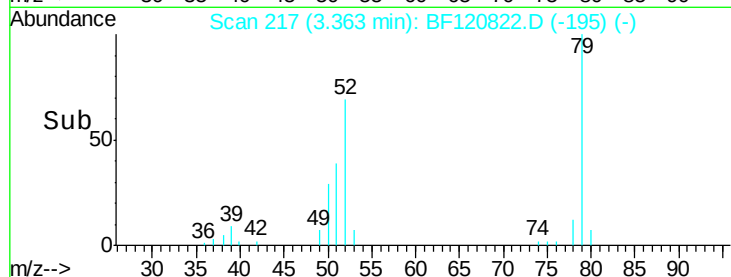
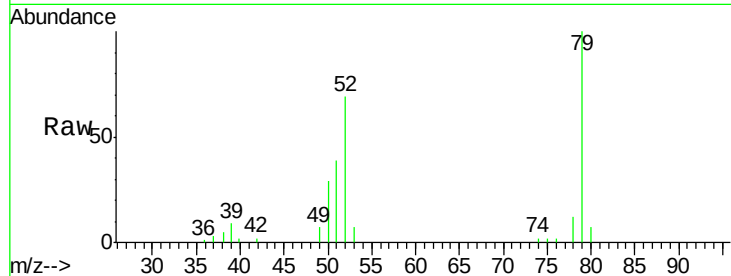
#3
 Pvridine
 Concen: 5.197 ng
 RT: 3.36 min Scan# 217
 Delta R.T. 0.03 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
79	100		
52	69.2	56.3	84.5
51	39.4	30.1	45.1

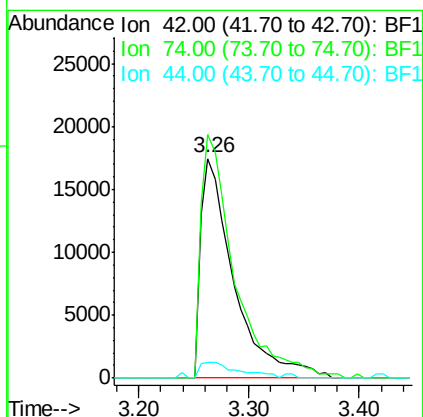
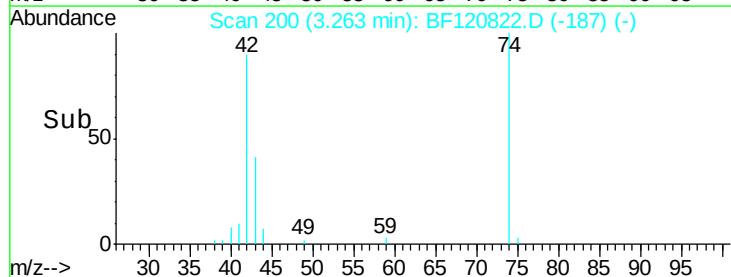
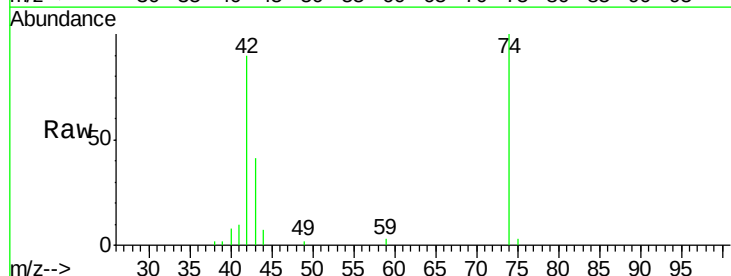
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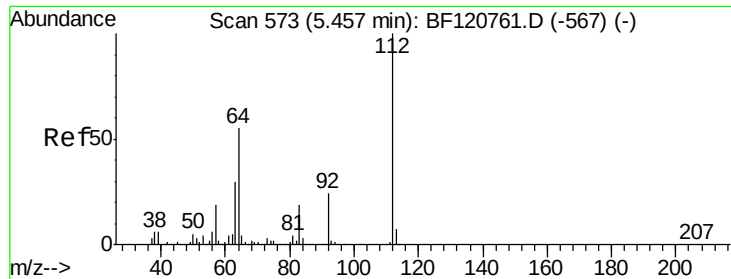
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#4
 n-Nitrosodimethylamine
 Concen: 6.305 ng
 RT: 3.26 min Scan# 200
 Delta R.T. -0.02 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
42	100		
74	110.9	90.8	136.2
44	7.4	5.8	8.8





#5

2-Fluorophenol

Concen: 92.017 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.00 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

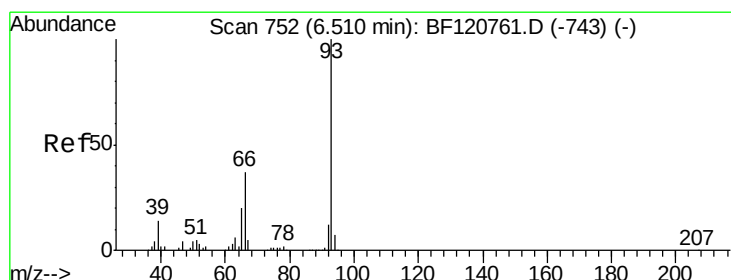
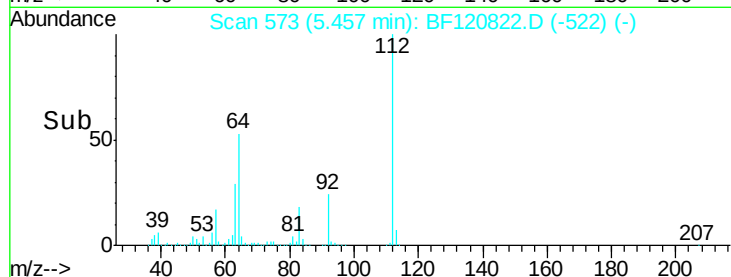
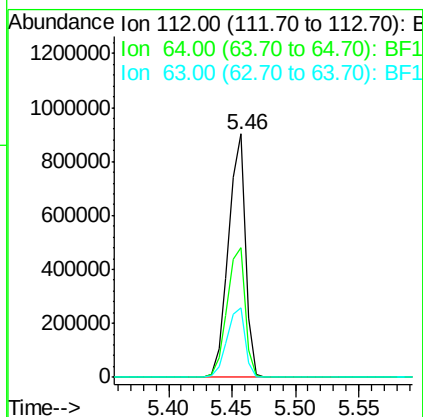
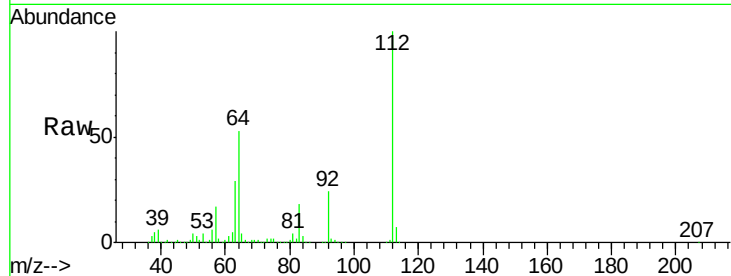
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	834928		
64	53.3		43.8	65.6
63	28.7		23.6	35.4

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#6

Aniline

Concen: 7.046 ng

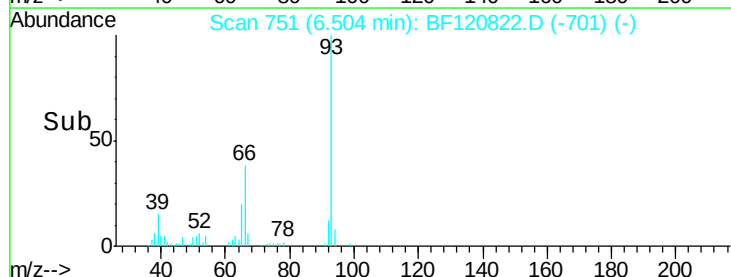
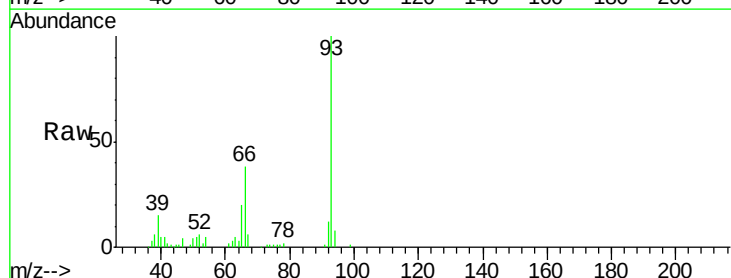
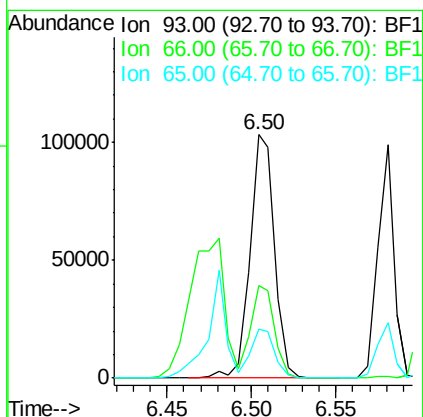
RT: 6.50 min Scan# 751

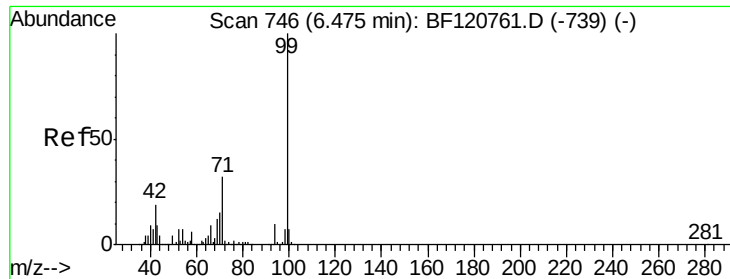
Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	104854		
66	38.0		31.3	46.9
65	20.2		16.5	24.7





#7

Phenol-d6

Concen: 91.961 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 99 Resp: 1065589

Ion Ratio Lower Upper

99 100

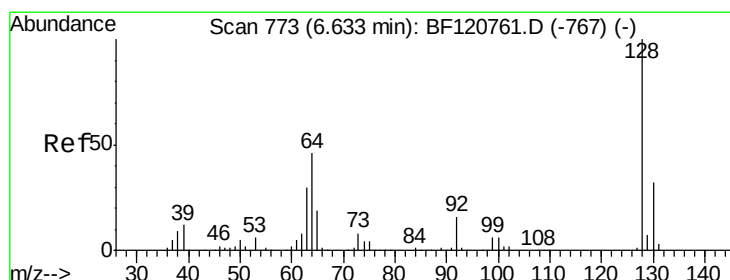
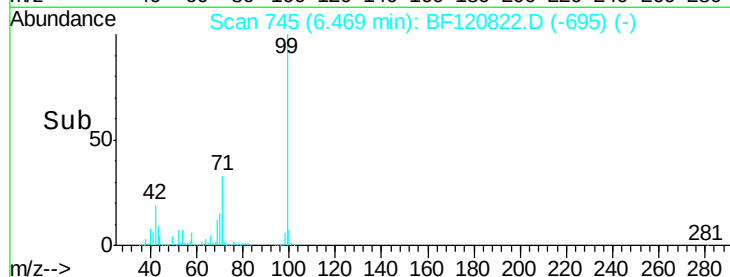
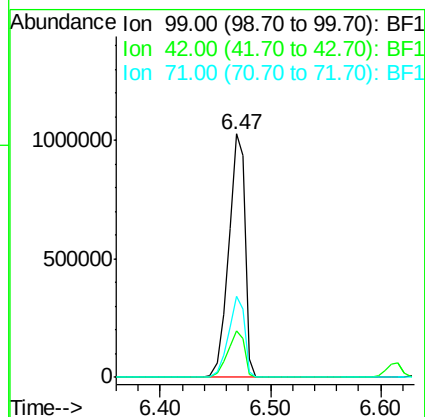
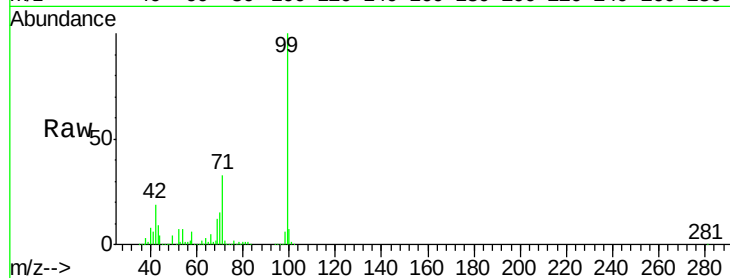
42 19.2 15.4 23.0

71 33.2 25.9 38.9

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#8

2-Chlorophenol

Concen: 7.010 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

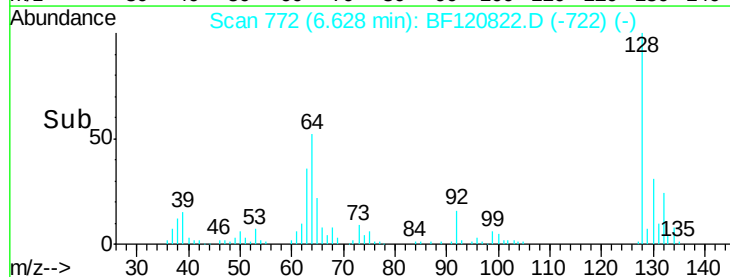
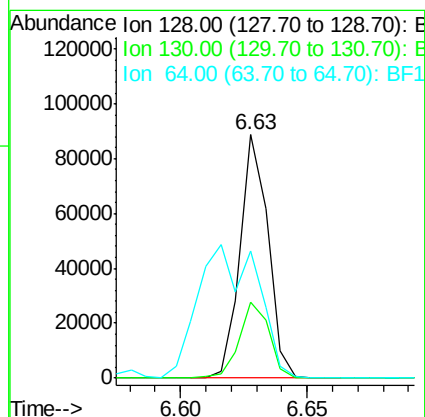
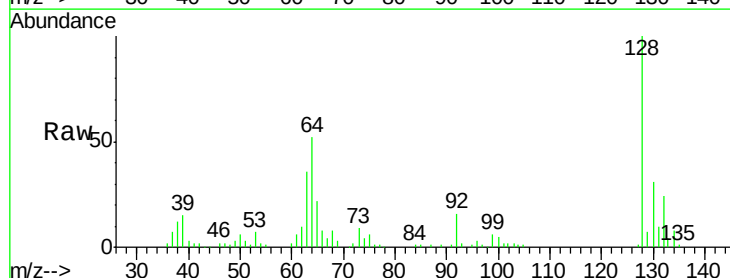
Tgt Ion: 128 Resp: 67721

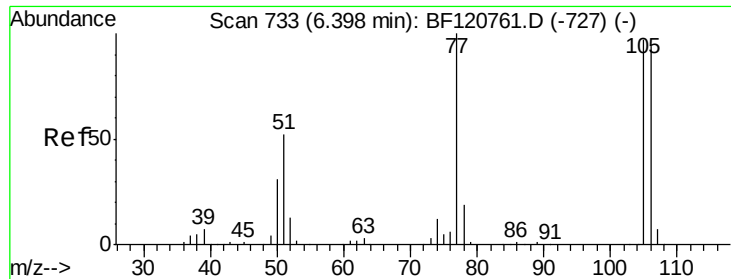
Ion Ratio Lower Upper

128 100

130 31.2 12.1 52.1

64 52.3 26.3 66.3





#9

Benzaldehyde

Concen: 8.607 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

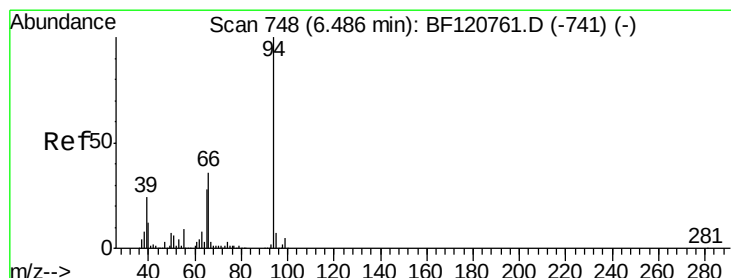
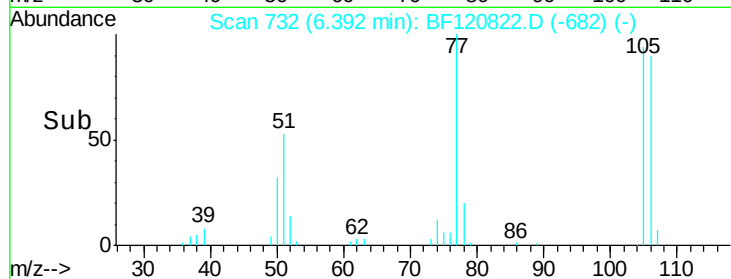
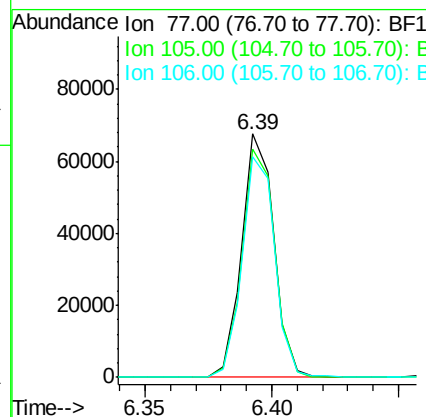
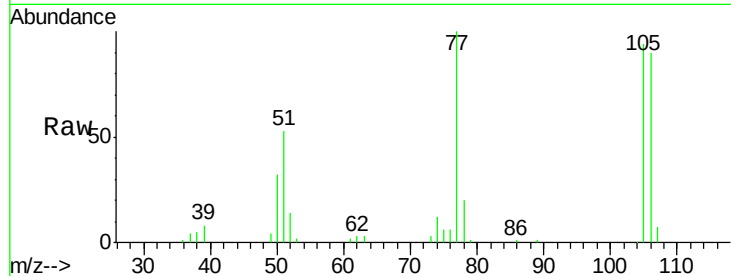
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	77	Resp:	59314
Ion	Ratio	Lower	Upper
77	100		
105	93.6	76.8	116.8
106	90.5	73.8	113.8

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#10

Phenol

Concen: 7.039 ng m

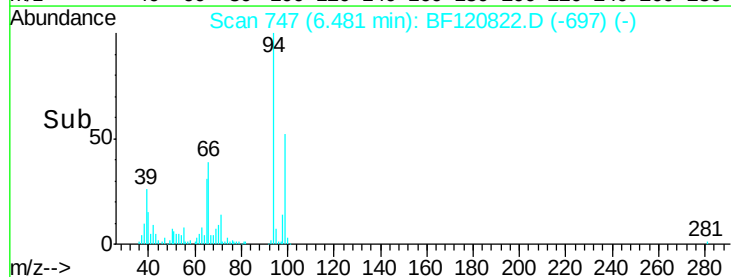
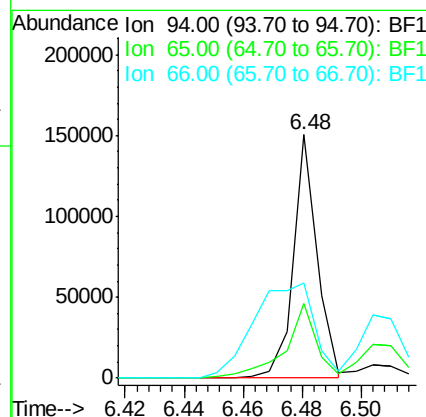
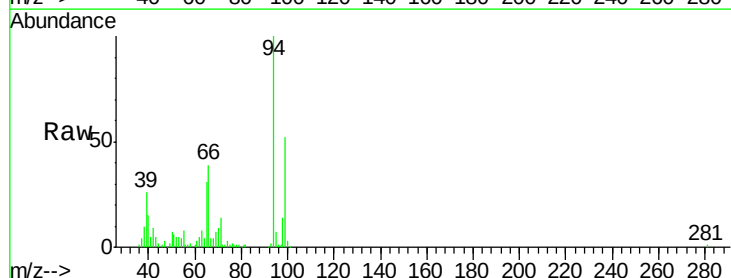
RT: 6.48 min Scan# 747

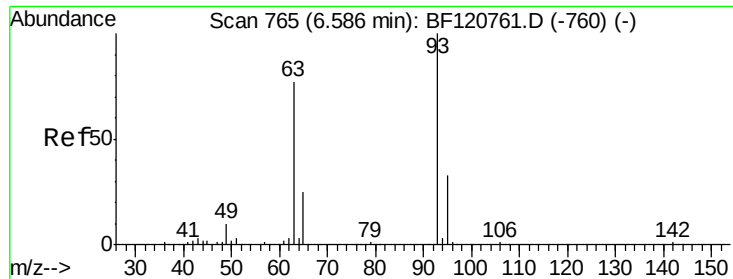
Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:	94	Resp:	83909
Ion	Ratio	Lower	Upper
94	100		
65	30.6	8.4	48.4
66	39.3	16.5	56.5





#11

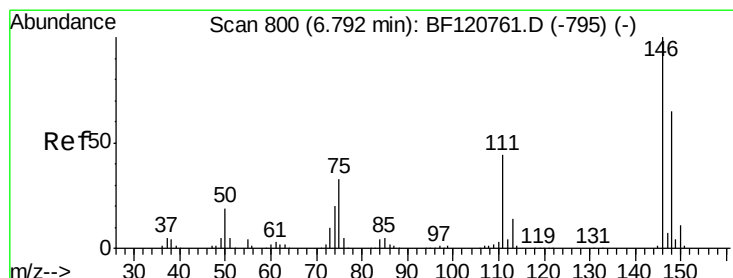
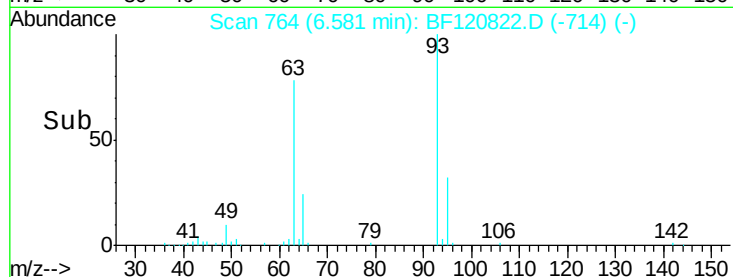
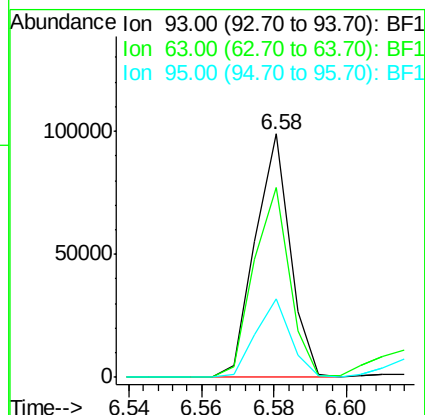
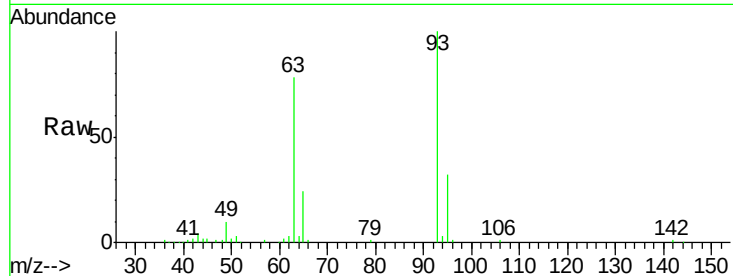
bis(2-Chloroethyl)ether
Concen: 6.827 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	93	Resp:	66223
Ion Ratio	Lower	Upper	
93	100		
63	77.9	56.9	96.9
95	32.3	13.3	53.3

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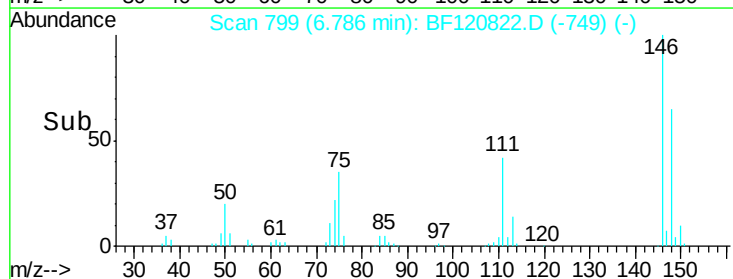
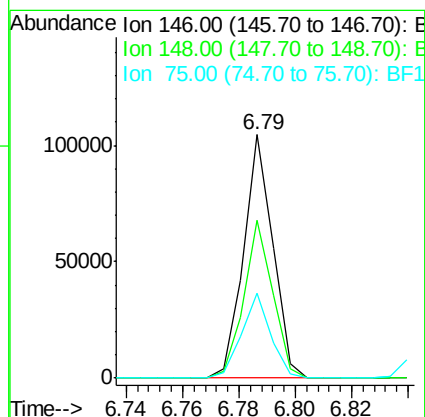
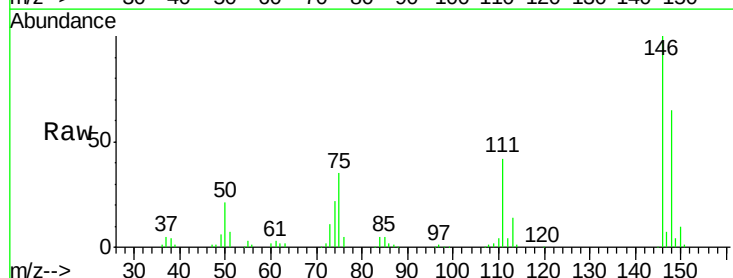
mohammad
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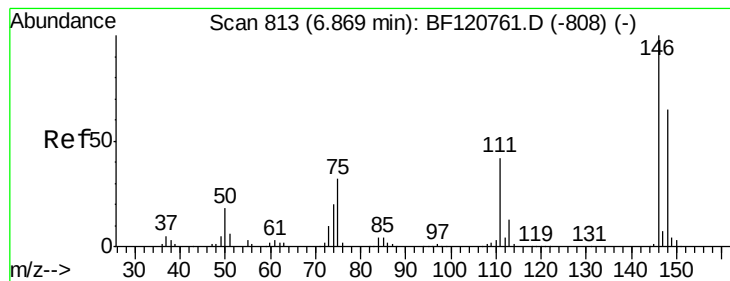


#12

1,3-Dichlorobenzene
Concen: 7.076 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:	146	Resp:	75241
Ion Ratio	Lower	Upper	
146	100		
148	65.1	52.1	78.1
75	34.8	26.0	39.0





#13

1,4-Dichlorobenzene

Concen: 7.163 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

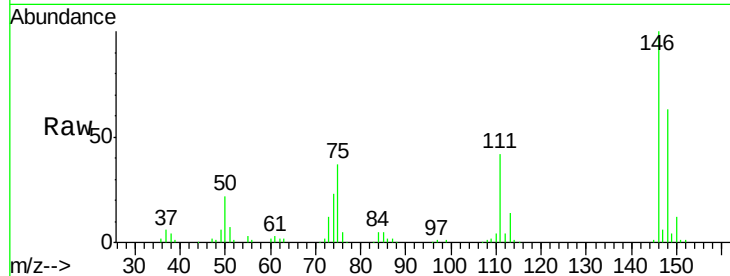
ClientSampleId :

MDL-SOIL-03-QT3-2020

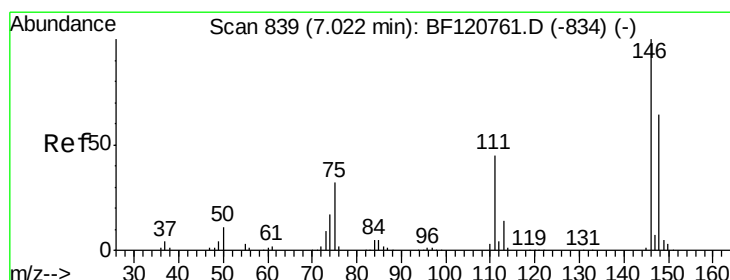
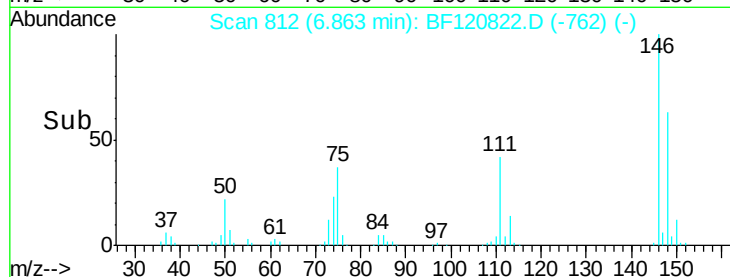
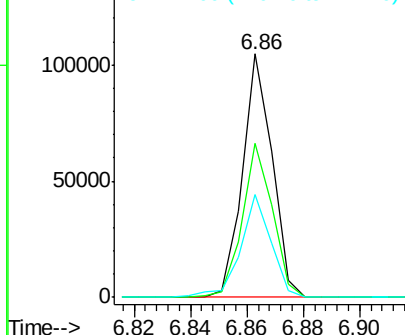
Tot Ion:	146	Resp:	76286
Ion Ratio	Lower	Upper	
146	100		
148	63.2	51.8	77.6
111	42.5	33.7	50.5

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 7.098 ng

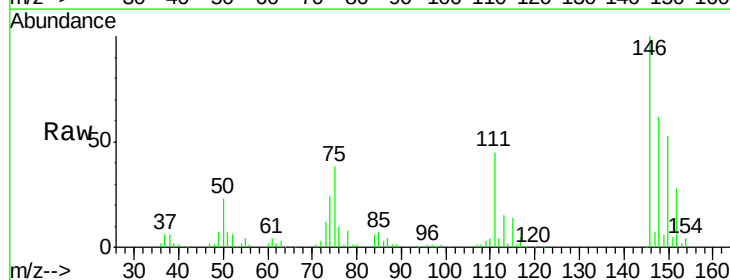
RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

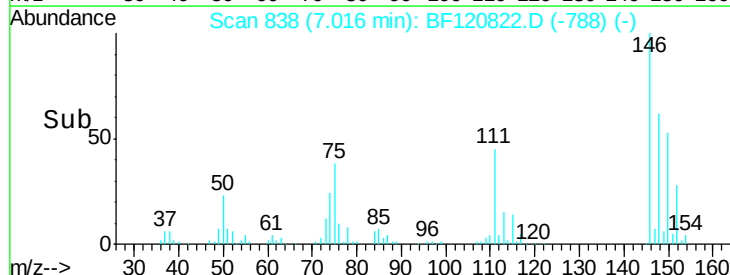
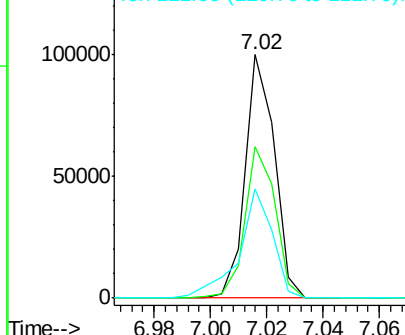
Lab File: BF120822.D

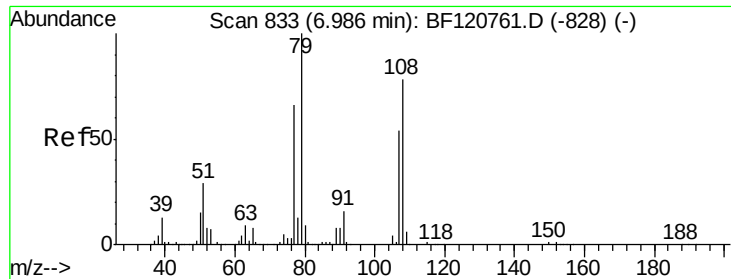
Acq: 10 Jul 2020 10:14

Tgt Ion:	146	Resp:	71916
Ion Ratio	Lower	Upper	
146	100		
148	62.5	51.0	76.4
111	44.6	35.7	53.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 7.591 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

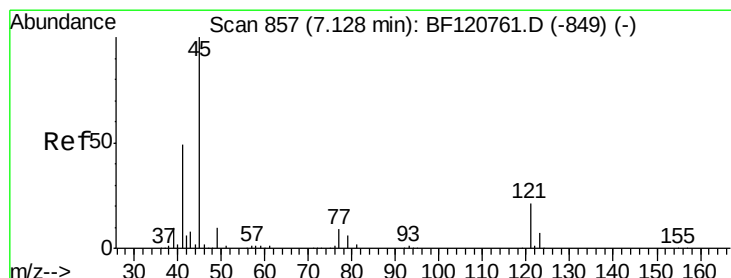
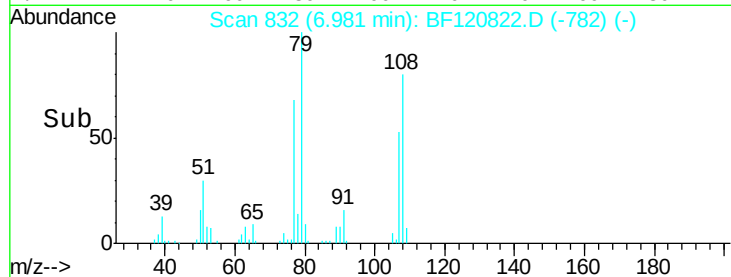
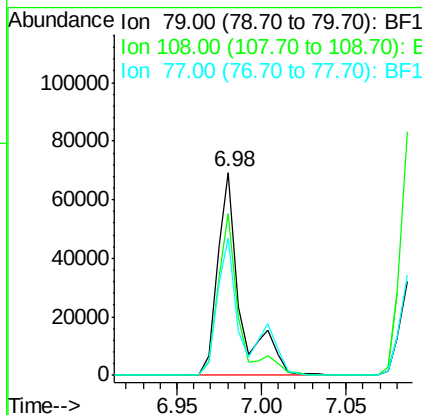
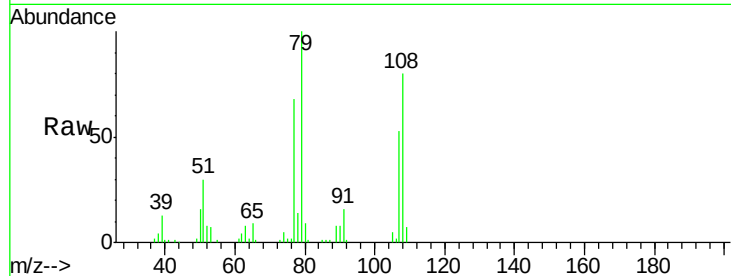
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	79	Resp:	66089
Ion Ratio	Lower	Upper	
79	100		
108	79.8	62.4	93.6
77	67.7	52.7	79.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 6.574 ng

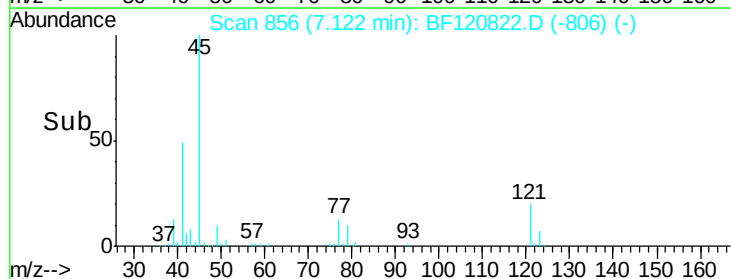
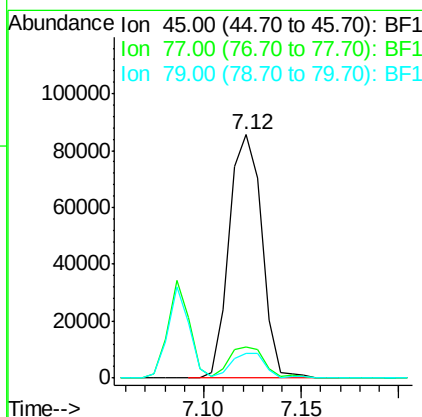
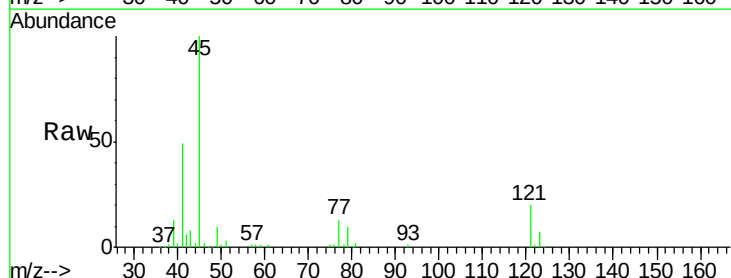
RT: 7.12 min Scan# 856

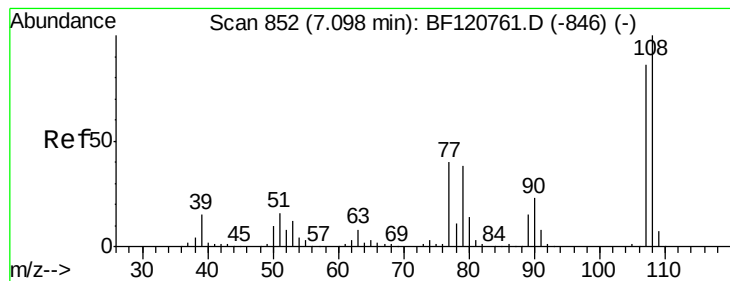
Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:	45	Resp:	99464
Ion Ratio	Lower	Upper	
45	100		
77	12.9	0.0	33.7
79	10.1	0.0	30.5





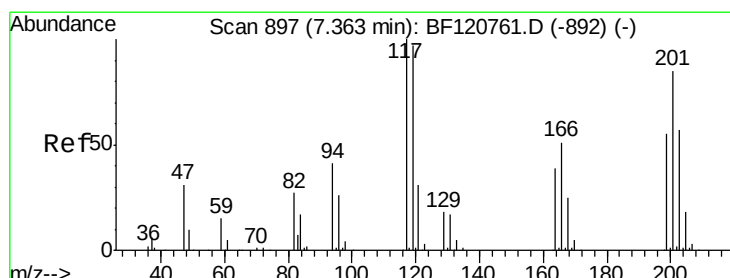
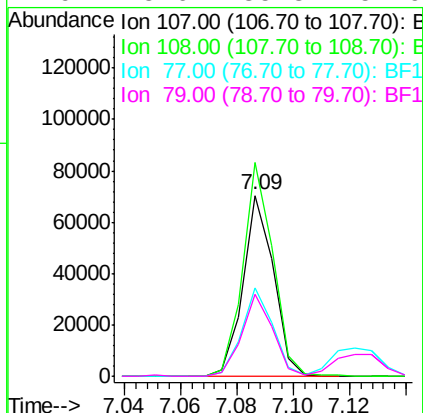
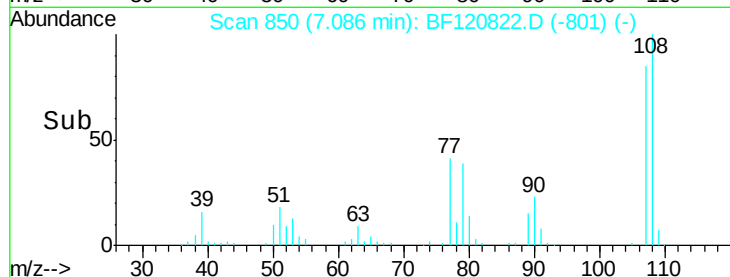
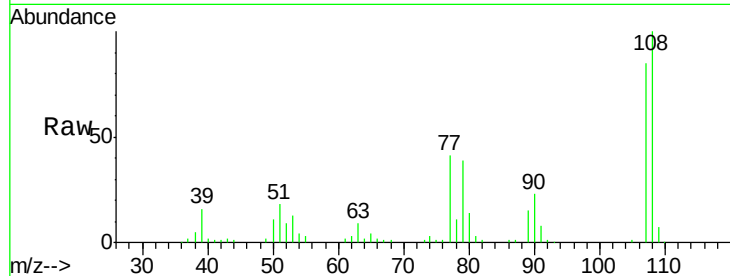
#17
2-Methylphenol
Concen: 6.107 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	107	Resp	52775
Ion	Ratio	Lower	Upper
107	100		
108	118.1	93.1	139.7
77	48.6	37.3	55.9
79	45.6	35.3	52.9

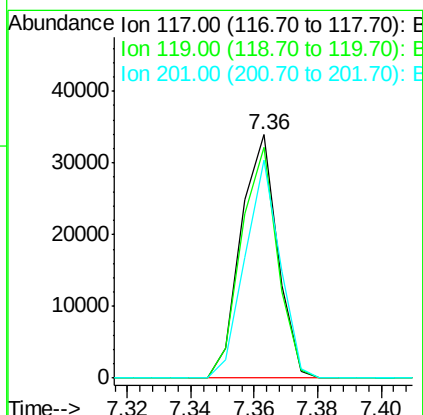
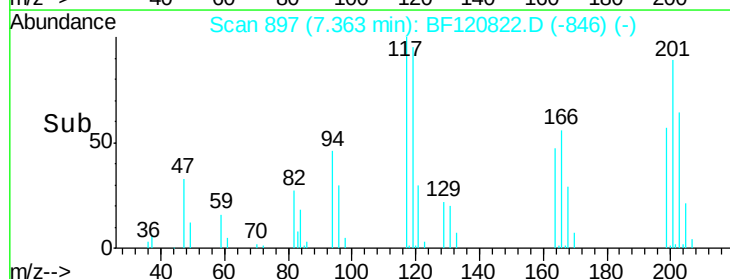
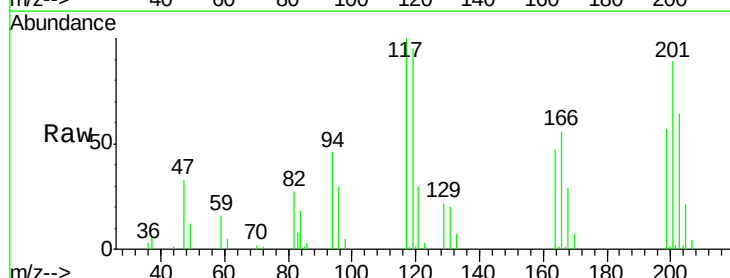
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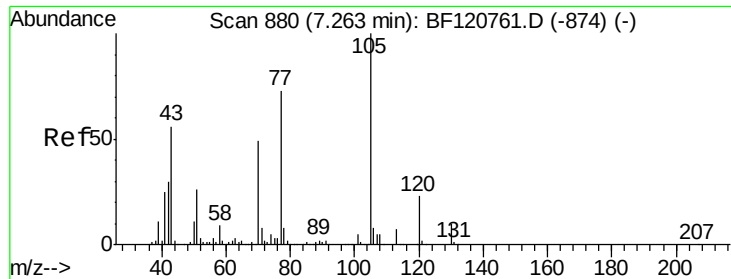
mohammad
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#18
Hexachloroethane
Concen: 6.769 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	117	Resp	27096
Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.9	116.9
201	91.8	68.3	102.5





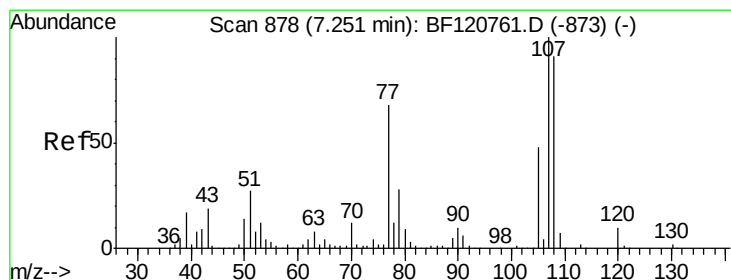
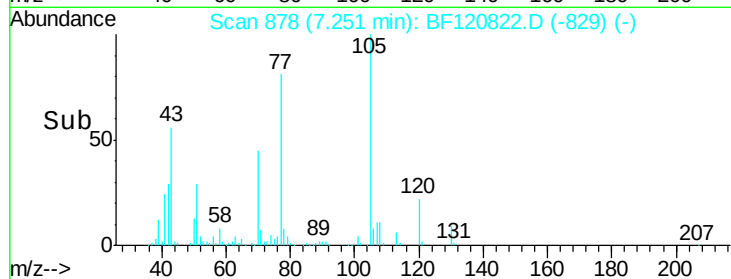
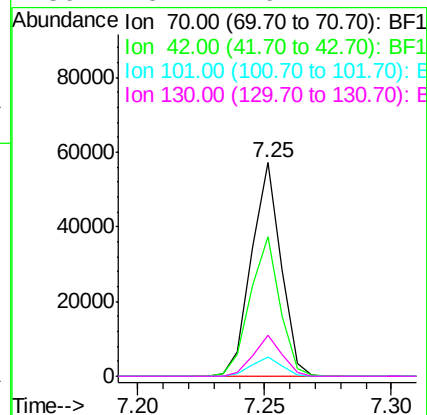
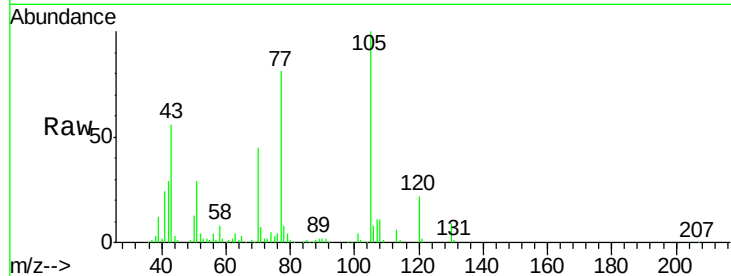
#19
n-Nitroso-di-n-propylamine
Concen: 6.645 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
70	100		
42	65.3	50.3	75.5
101	8.9	7.5	11.3
130	19.4	16.1	24.1

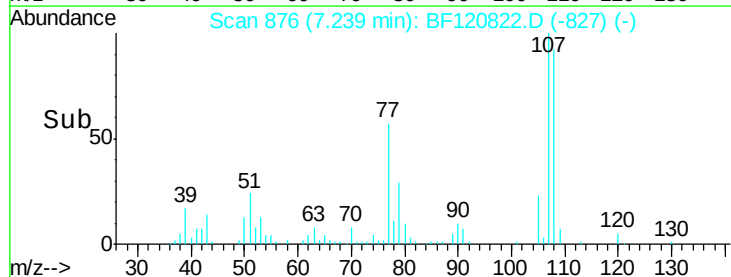
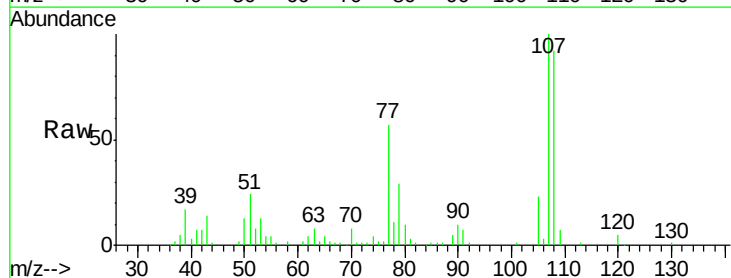
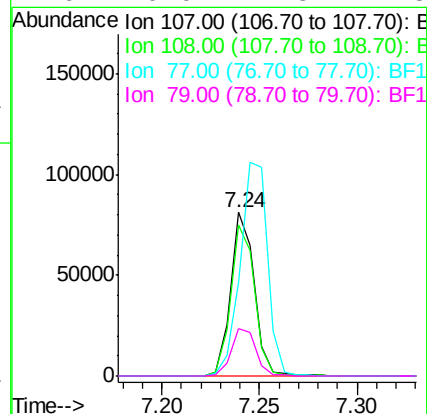
Manual Integrations
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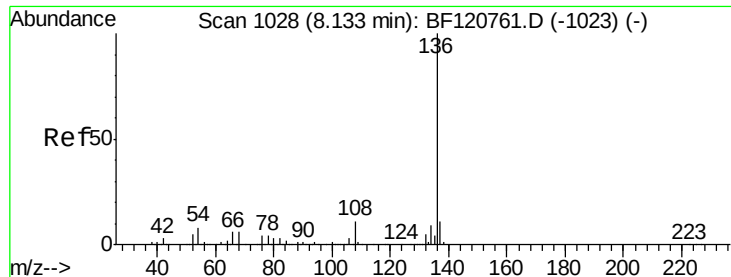
mohammad
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#20
3+4-Methylphenols
Concen: 6.391 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.2	70.9	110.9
77	56.9	48.3	88.3
79	29.0	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: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

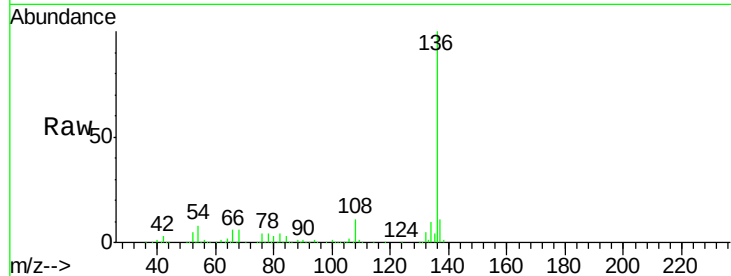
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		523765		
137	11.3		9.0	13.6	
54	8.1		6.2	9.4	
68	6.0		4.7	7.1	

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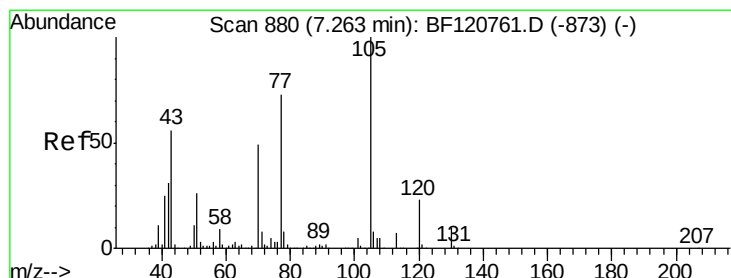
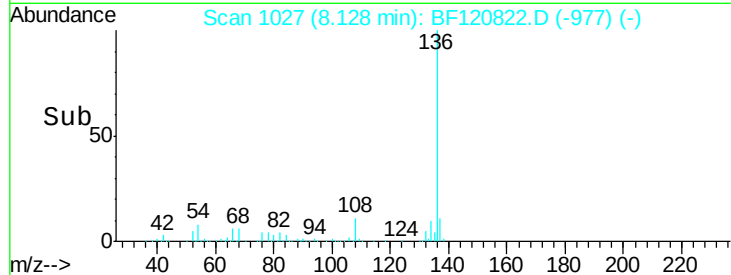
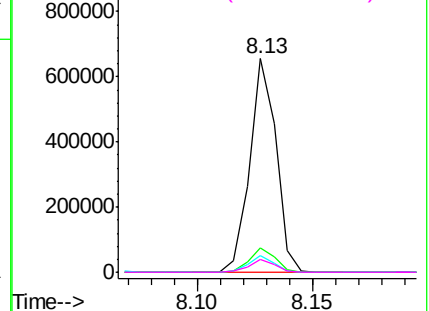


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 7.736 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

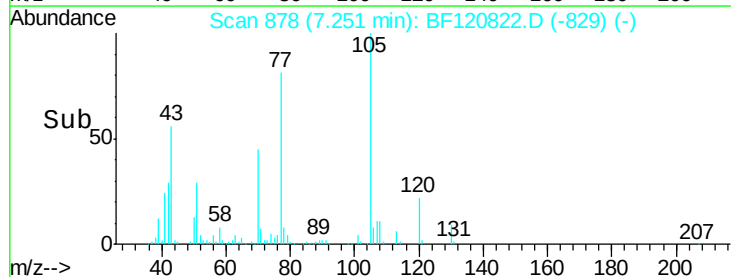
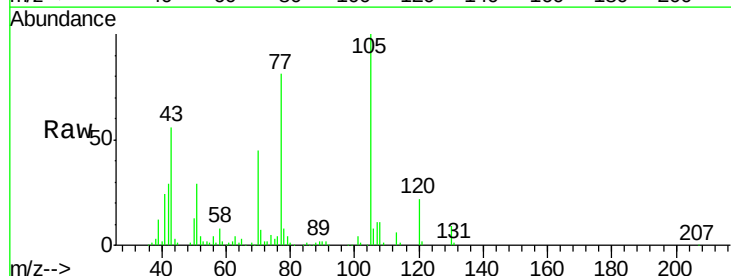
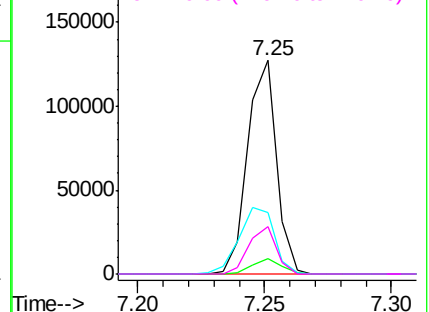
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		100713		
71	7.4		6.5	9.7	
51	29.0		21.0	31.4	
120	22.3		18.6	28.0	

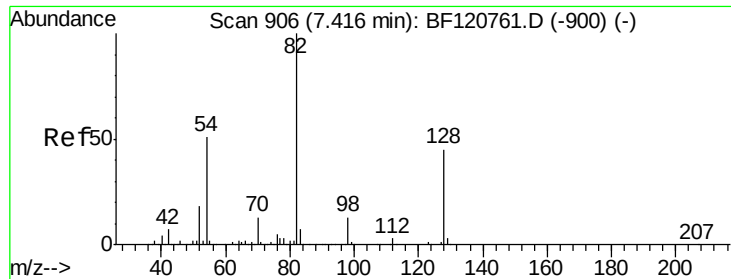
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





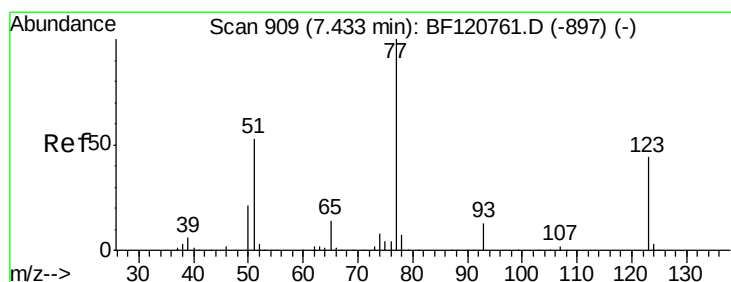
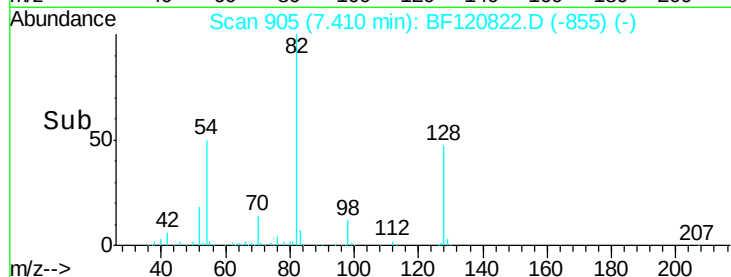
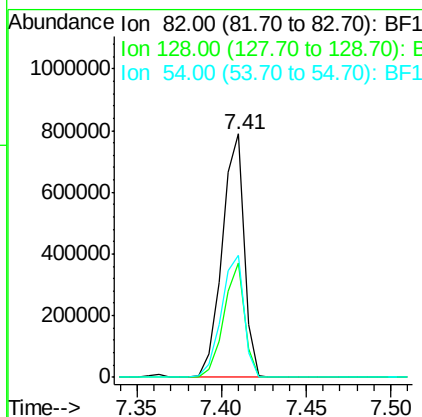
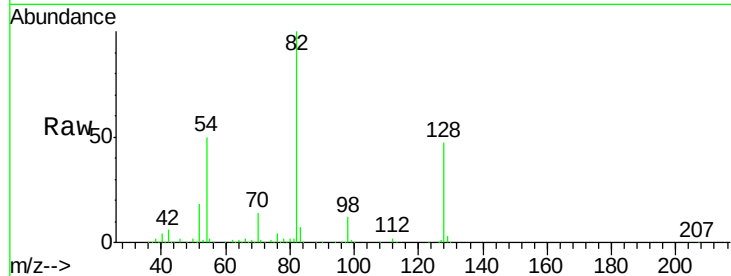
#23
Nitrobenzene-d5
Concen: 79.030 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	35.7	53.5
54	50.2	40.9	61.3

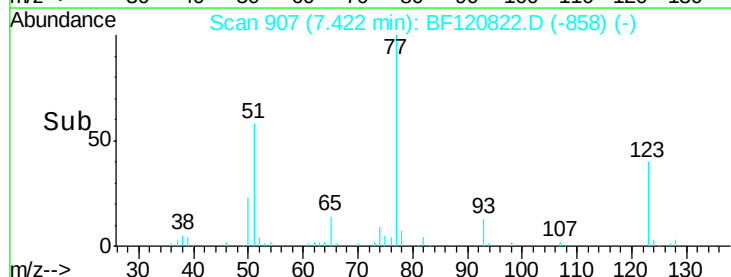
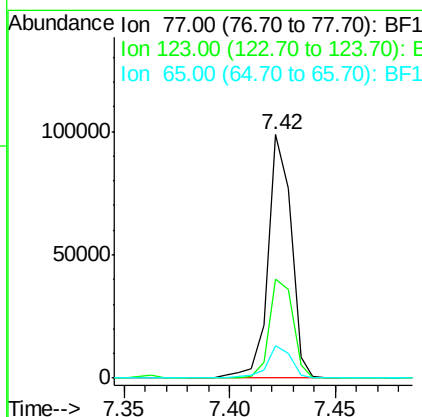
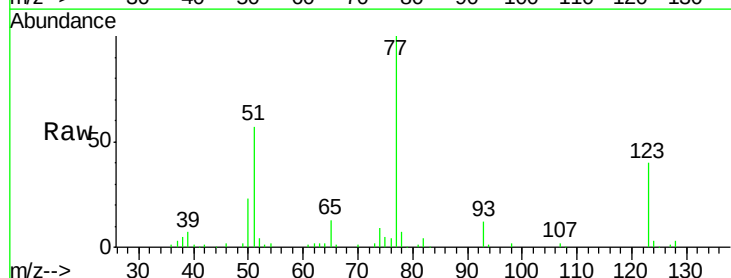
Manual Integrations
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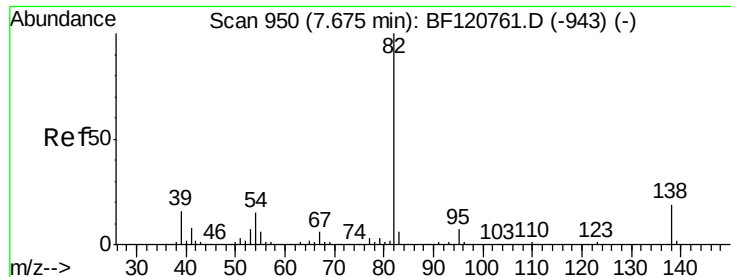
mohammad
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#24
Nitrobenzene
Concen: 7.430 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.5	36.1	54.1
65	13.5	11.0	16.4





#25

Isophorone

Concen: 6.328 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

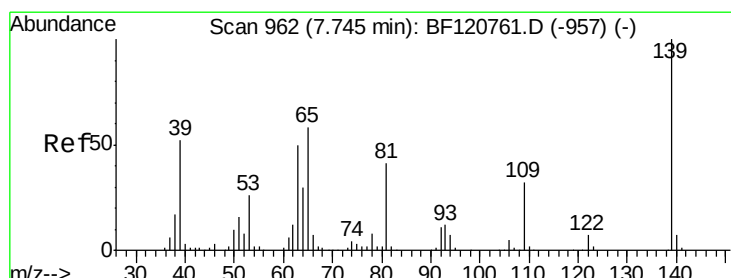
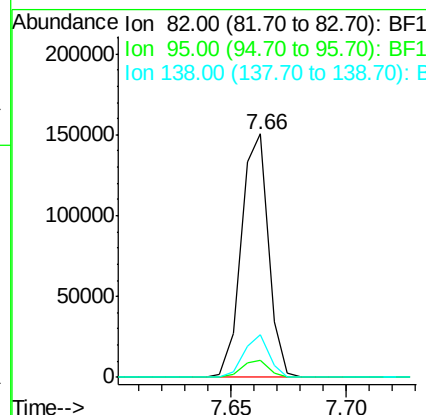
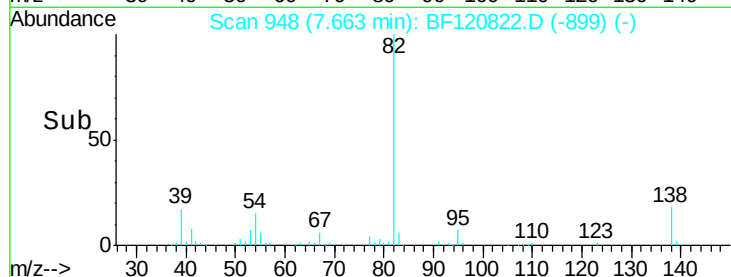
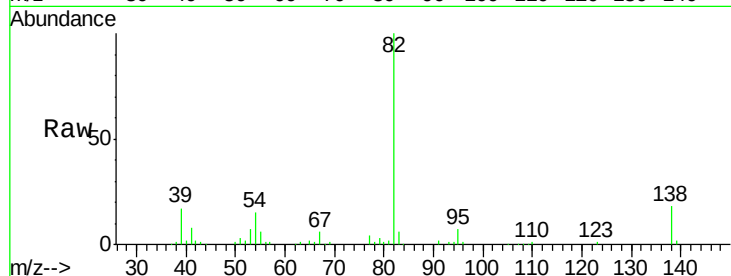
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	82	Resp:	123360
Ion Ratio		Lower	Upper
82	100		
95	6.9	5.4	8.2
138	17.6	15.0	22.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 5.912 ng

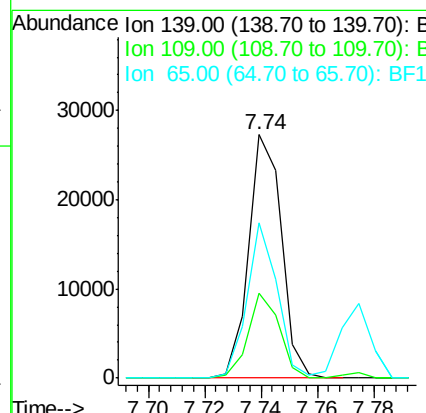
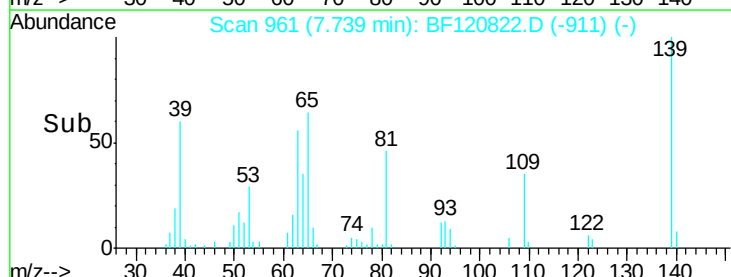
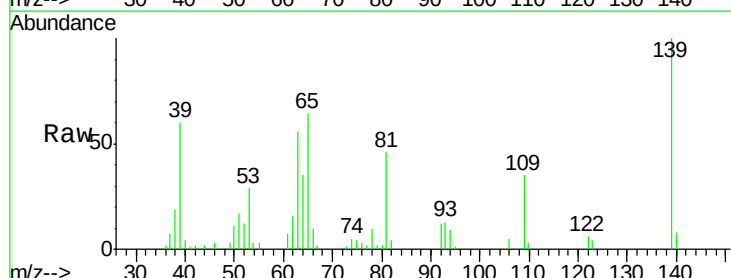
RT: 7.74 min Scan# 961

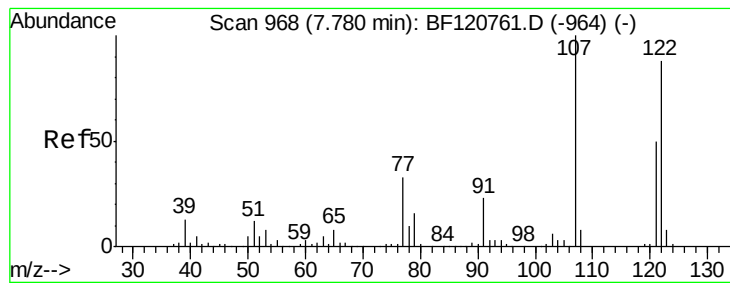
Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:	139	Resp:	21935
Ion Ratio		Lower	Upper
139	100		
109	35.0	25.3	37.9
65	63.7	46.2	69.2





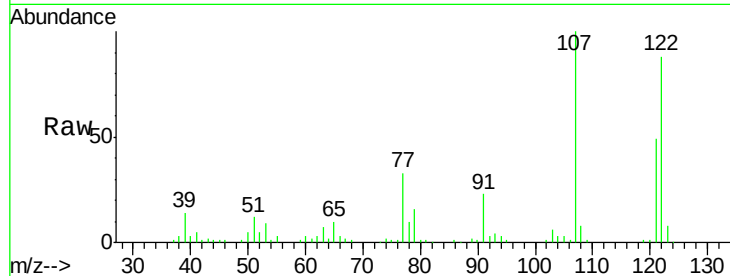
#27
2,4-Dimethylphenol
Concen: 7.042 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

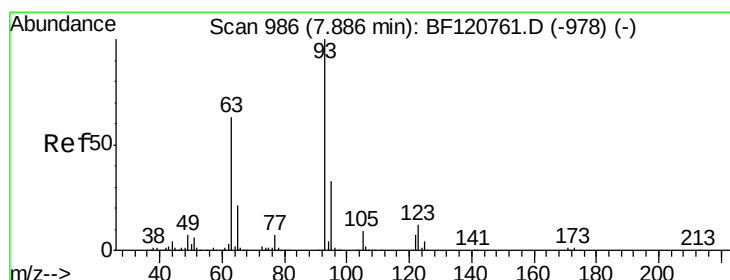
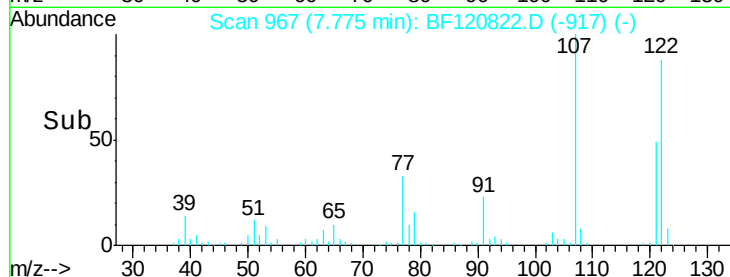
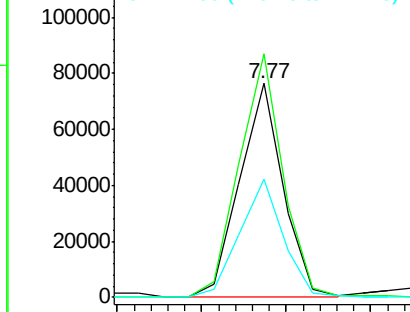
Tot Ion	Ratio	Lower	Upper
122	100		
107	113.9	90.7	136.1
121	55.4	45.4	68.0

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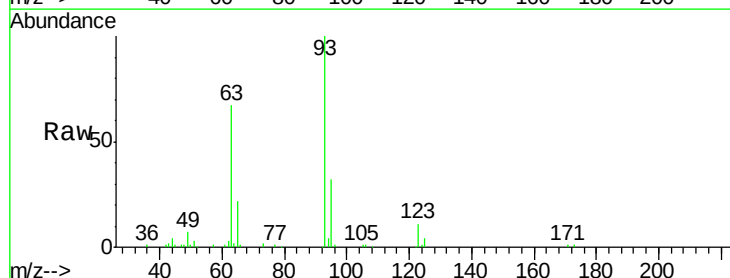


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

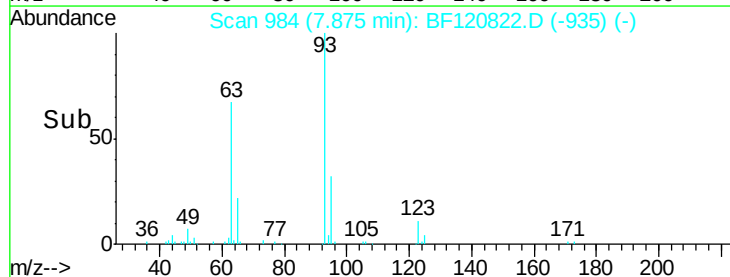
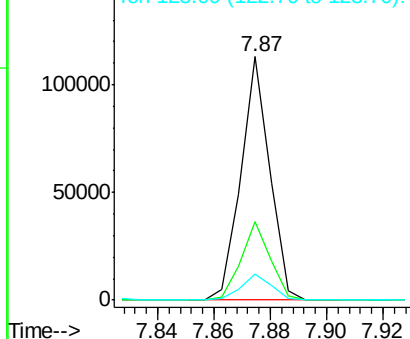


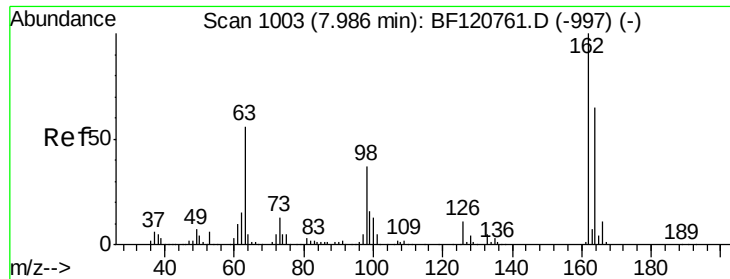
#28
bis(2-Chloroethoxy)methane
Concen: 6.933 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.4	39.6
123	10.9	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





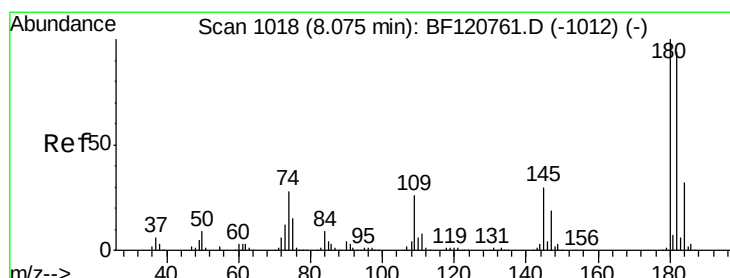
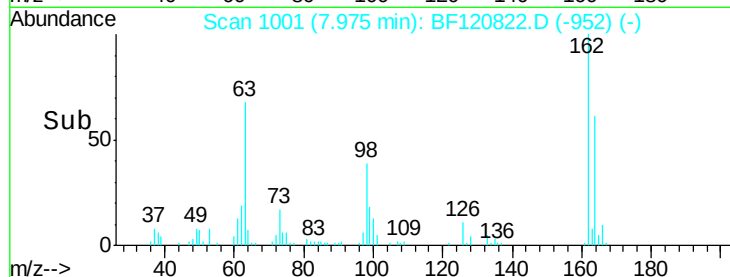
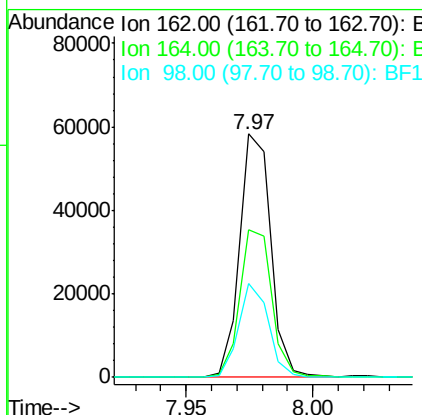
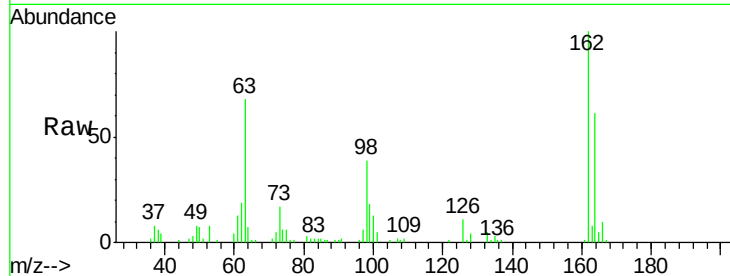
#29
 2,4-Dichlorophenol
 Concen: 6.395 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
162	100	49682		
164	60.6	45.2	85.2	
98	38.5	17.0	57.0	

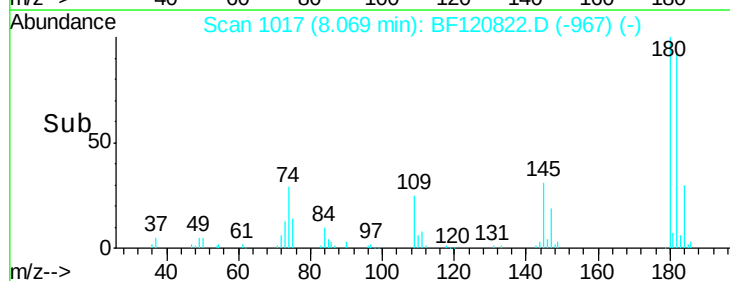
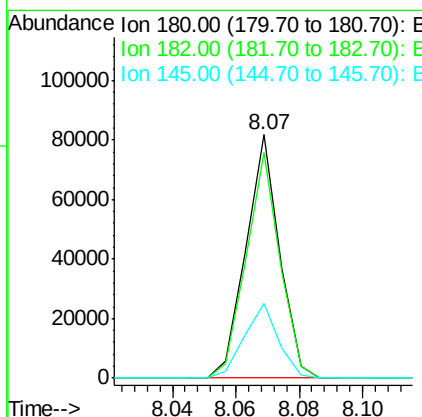
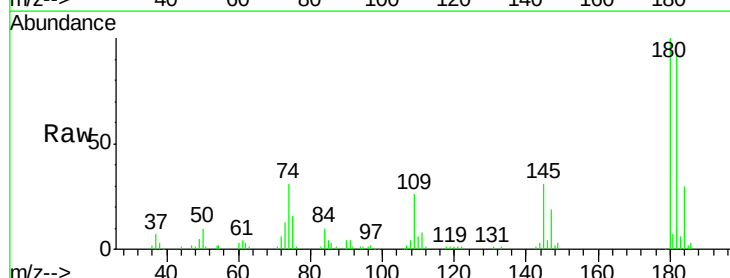
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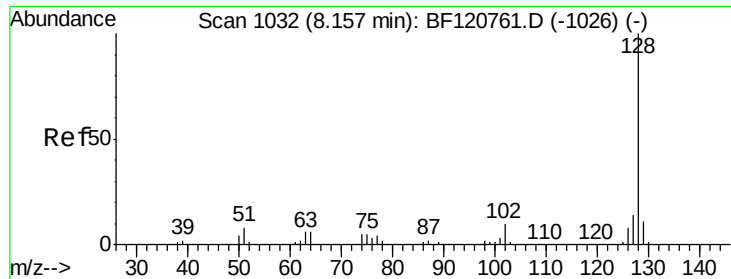
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#30
 1,2,4-Trichlorobenzene
 Concen: 6.855 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59816		
182	92.5	75.5	113.3	
145	30.8	24.1	36.1	





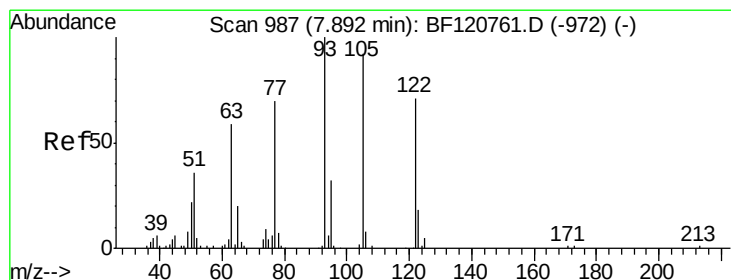
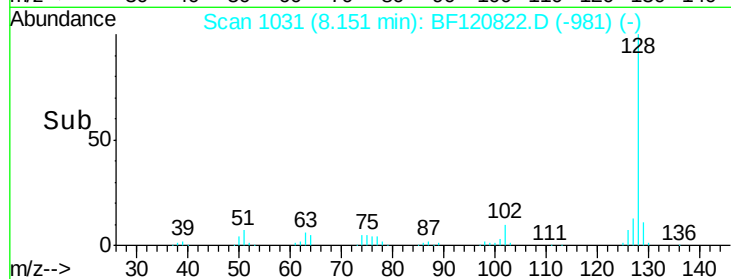
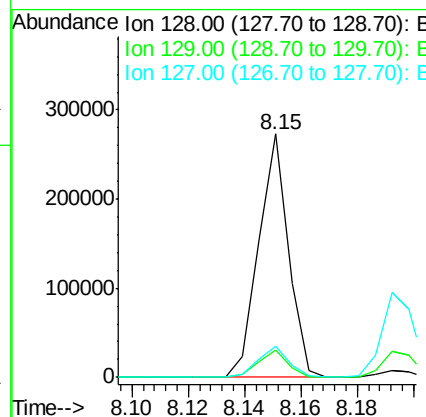
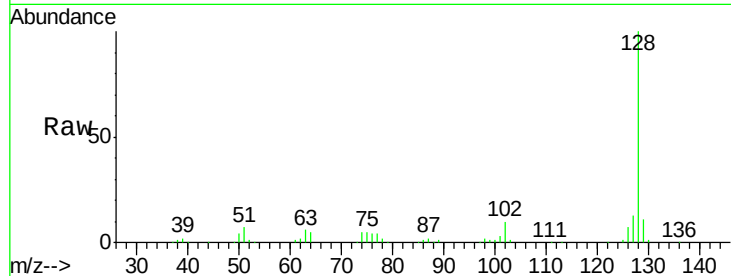
#31
Naphthalene
Concen: 7.131 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	11.3	9.2	13.8
127	12.8	11.1	16.7

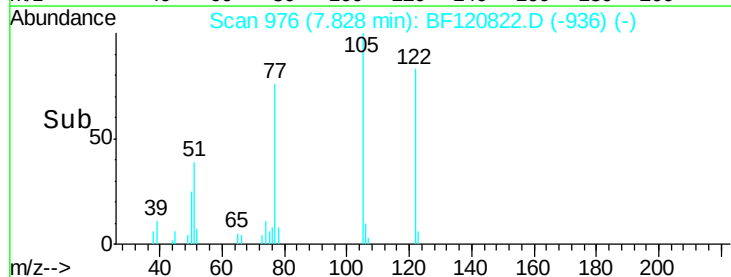
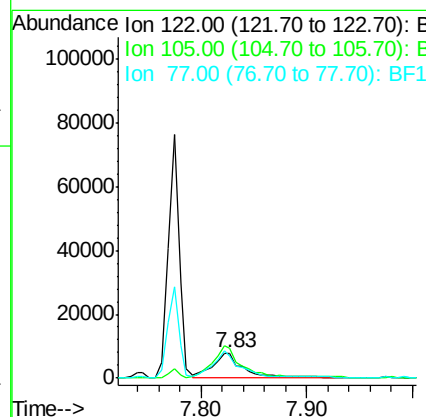
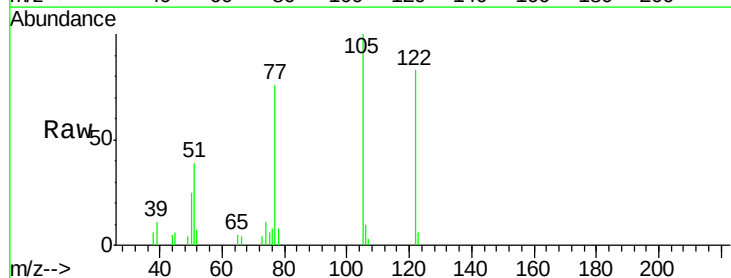
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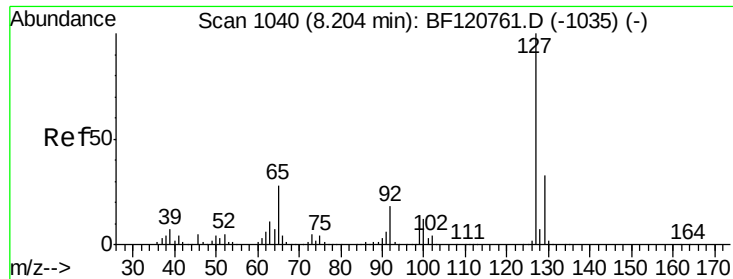
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#32
Benzoic acid
Concen: 3.822 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.06 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Resp Lower	Upper
122	100		
105	120.0	105.8	145.8
77	91.3	77.3	117.3





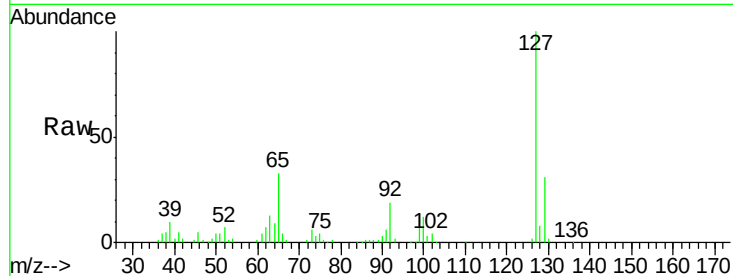
#33
4-Chloroaniline
Concen: 6.466 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

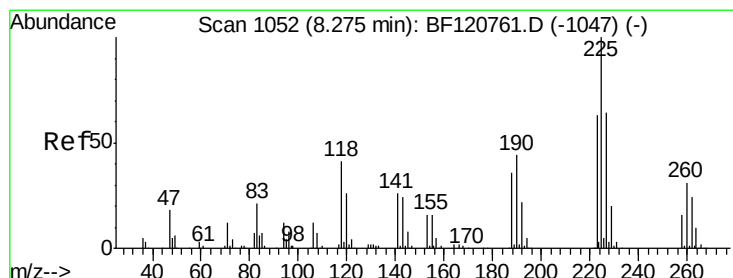
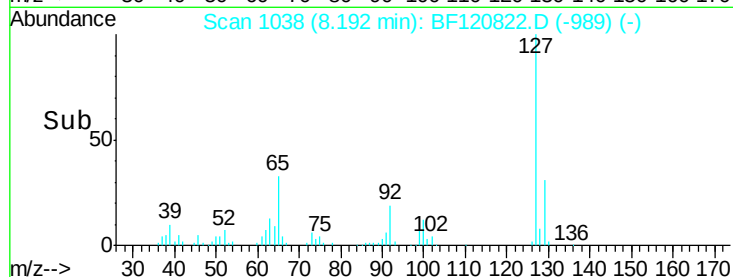
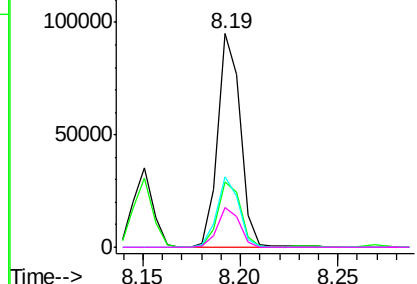
Tot Ion	Ratio	Lower	Upper
127	100		
129	30.8	26.6	39.8
65	32.9	22.7	34.1
92	18.8	14.3	21.5

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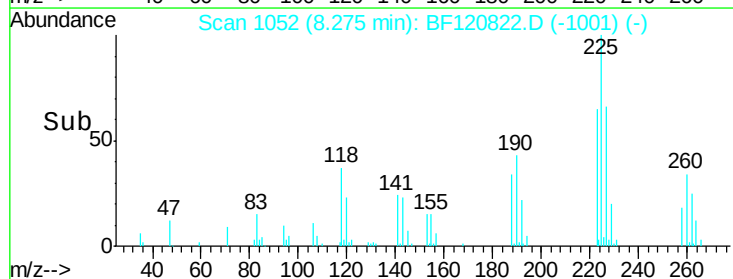
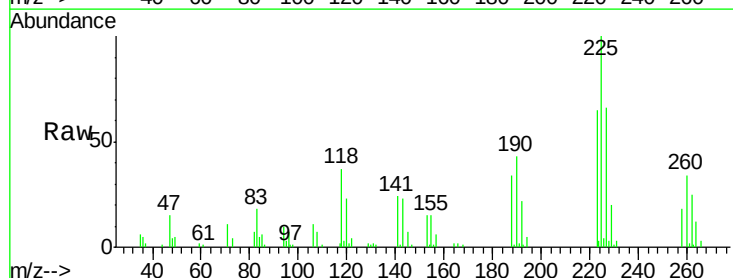
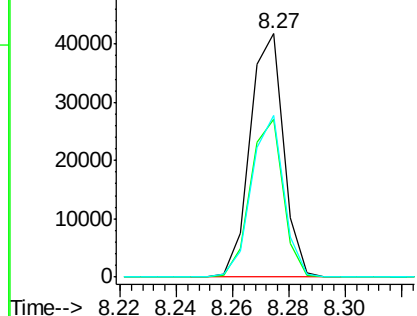
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

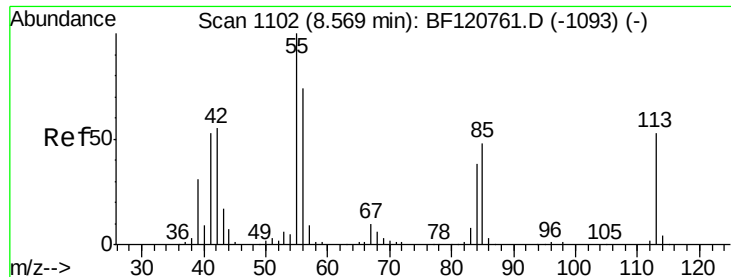


#34
Hexachlorobutadiene
Concen: 6.541 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.6	76.0
227	66.3	51.4	77.2

Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





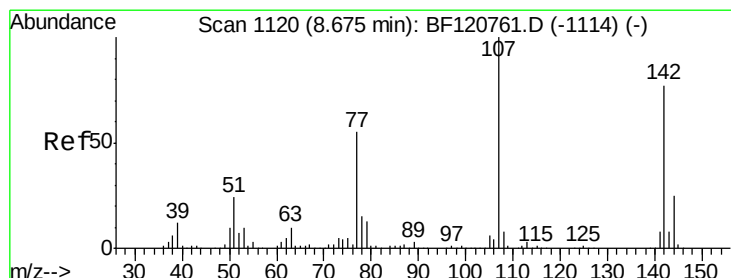
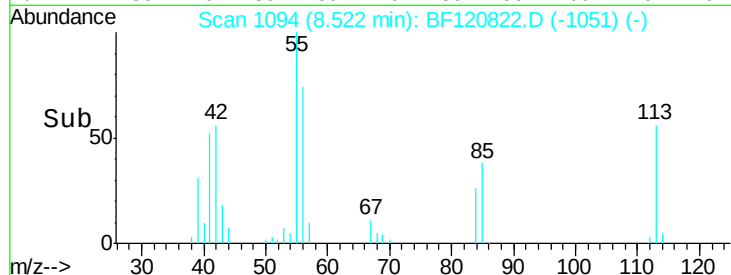
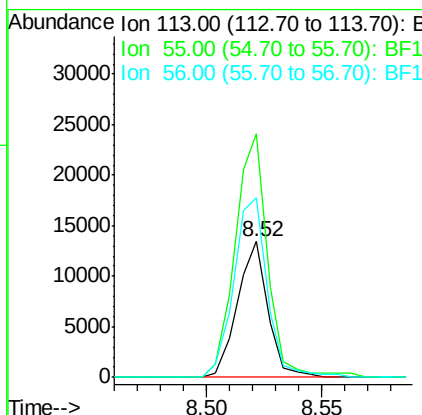
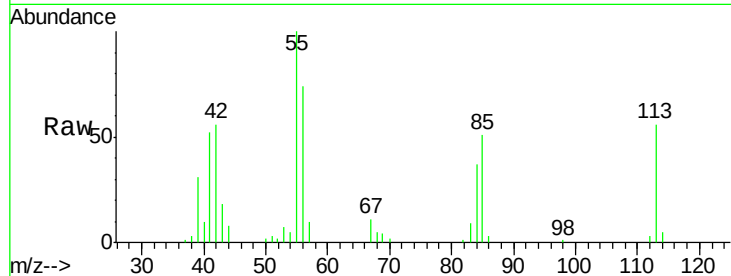
#35
Caprolactam
Concen: 5.489 ng
RT: 8.52 min Scan# 1094
Delta R.T. -0.05 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:113 Resp: 12427
Ion Ratio Lower Upper
113 100
55 179.7 168.3 208.3
56 132.1 118.8 158.8

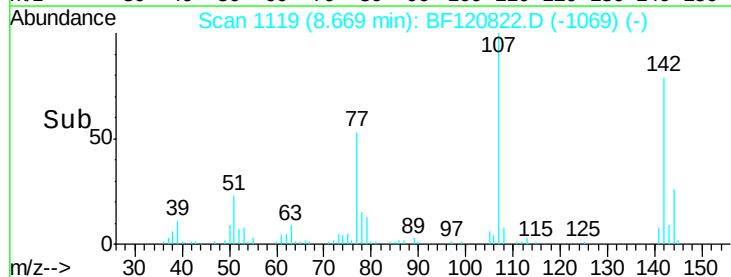
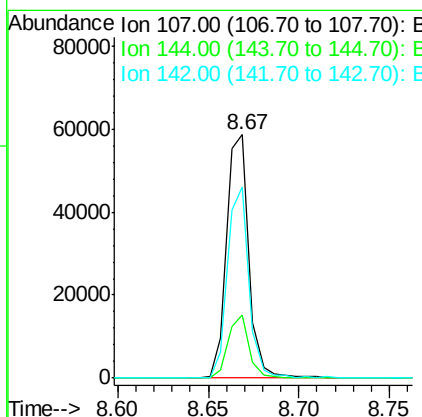
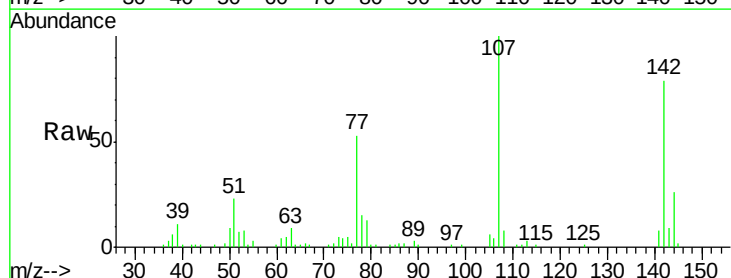
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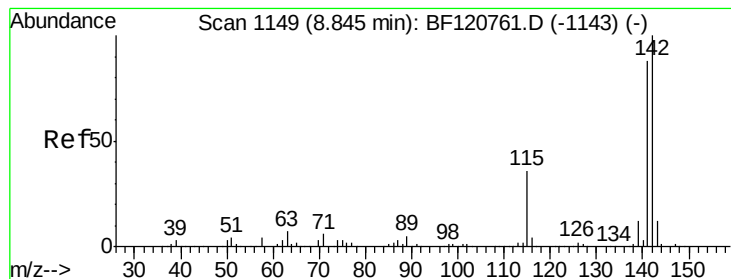
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#36
4-Chloro-3-methylphenol
Concen: 6.267 ng
RT: 8.67 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:107 Resp: 50647
Ion Ratio Lower Upper
107 100
144 25.9 19.7 29.5
142 78.7 61.2 91.8





#37

2-Methylnaphthalene

Concen: 6.927 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

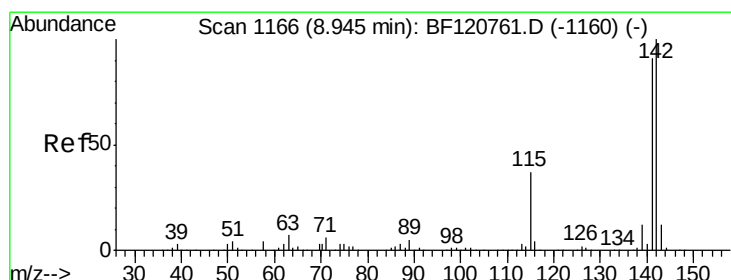
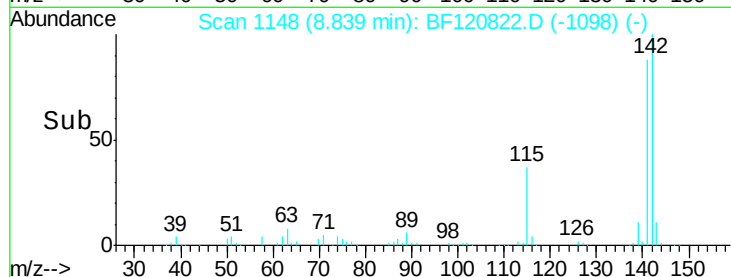
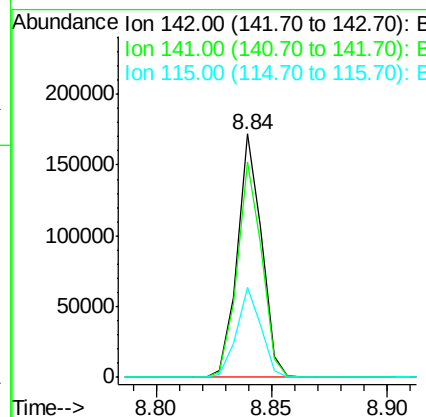
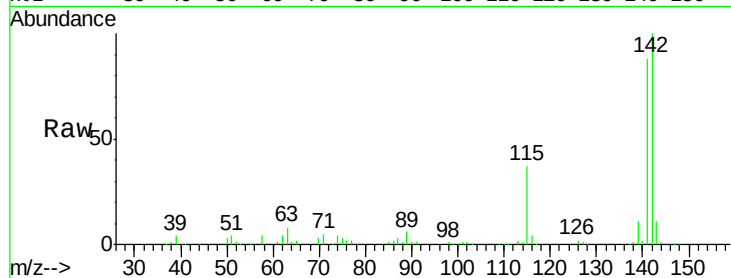
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	142	Resp:	126053
Ion Ratio	Lower	Upper	
142	100		
141	88.4	70.2	105.4
115	37.0	29.0	43.4

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#38

1-Methylnaphthalene

Concen: 6.981 ng

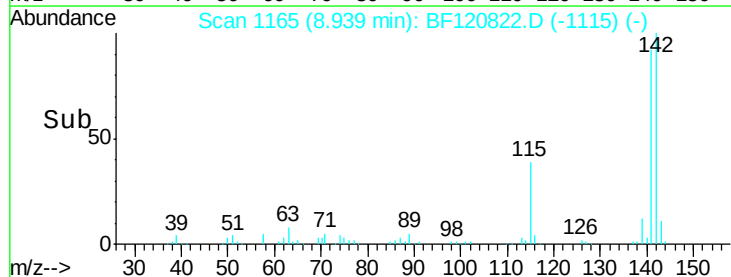
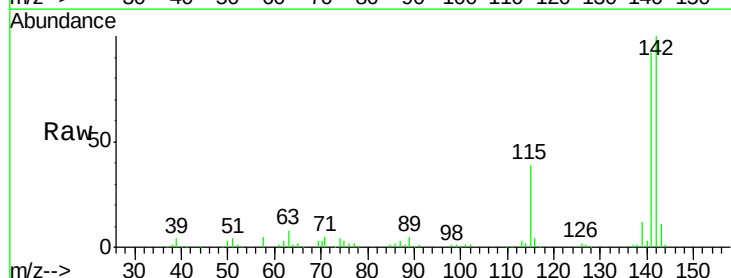
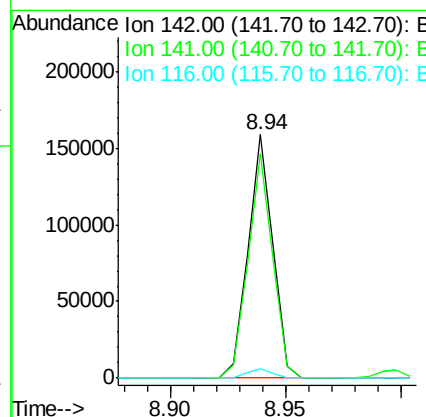
RT: 8.94 min Scan# 1165

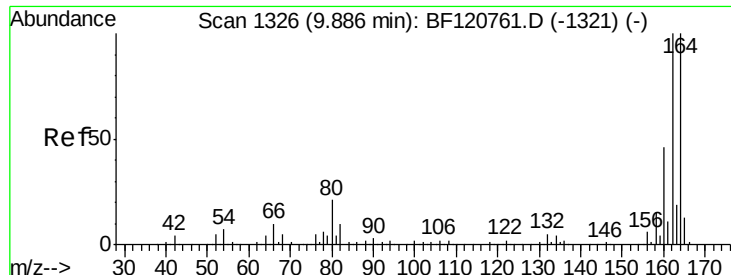
Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:	142	Resp:	118990
Ion Ratio	Lower	Upper	
142	100		
141	92.1	72.5	108.7
116	4.1	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120822.D

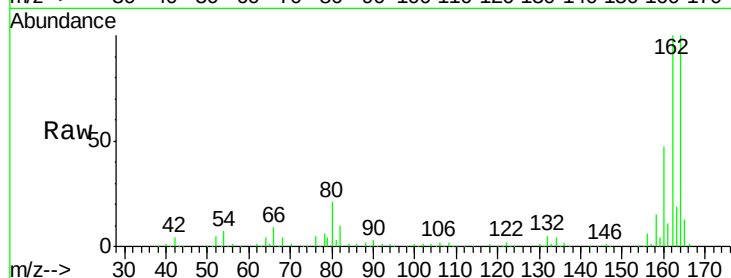
Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

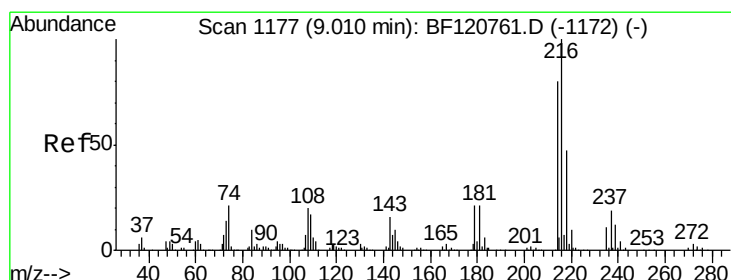
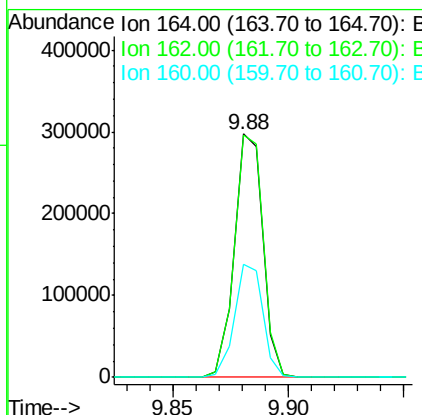
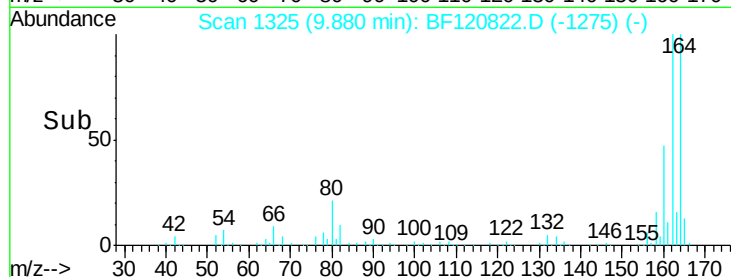
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Tot Ion:	164	Resp:	256173
Ion Ratio	Lower	Upper	
164	100		
162	99.7	80.2	120.2
160	46.5	36.9	55.3

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.177 ng

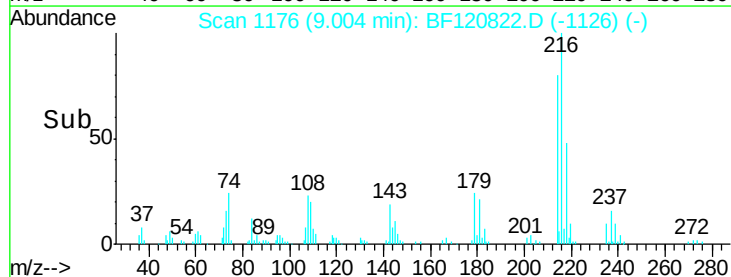
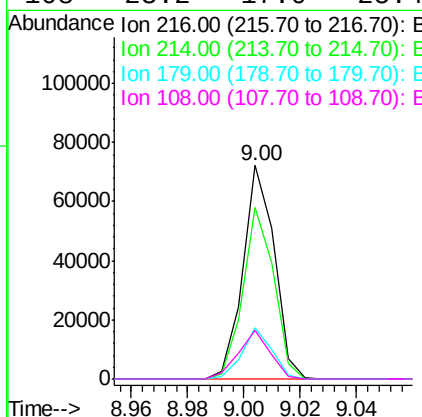
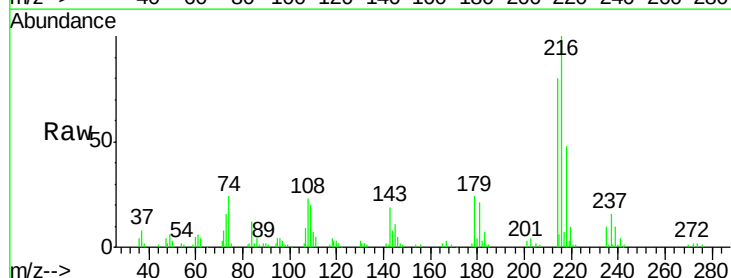
RT: 9.00 min Scan# 1176

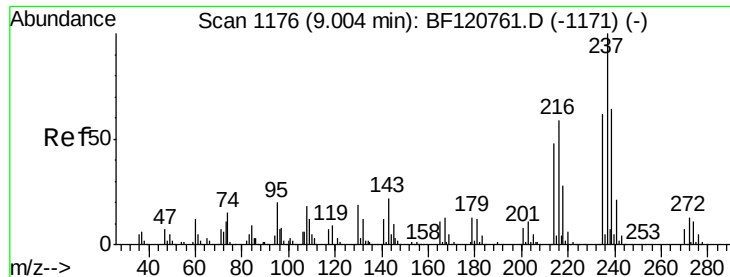
Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:	216	Resp:	55563
Ion Ratio	Lower	Upper	
216	100		
214	79.1	63.7	95.5
179	22.9	16.7	25.1
108	23.2	17.0	25.4





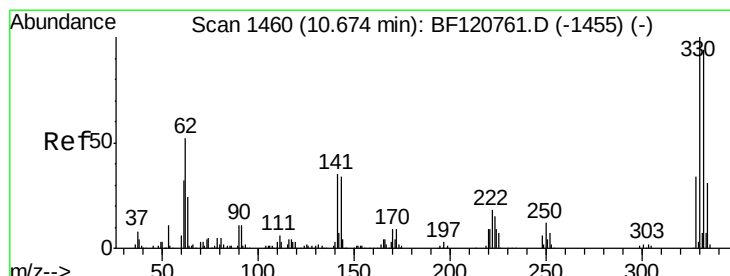
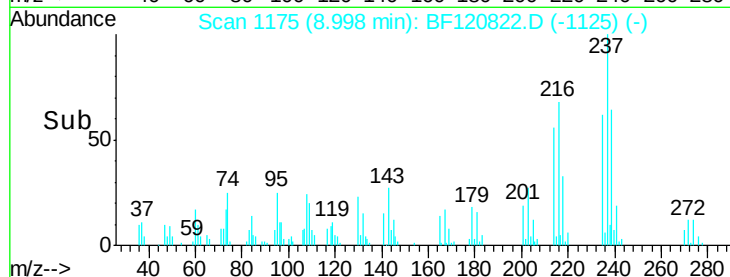
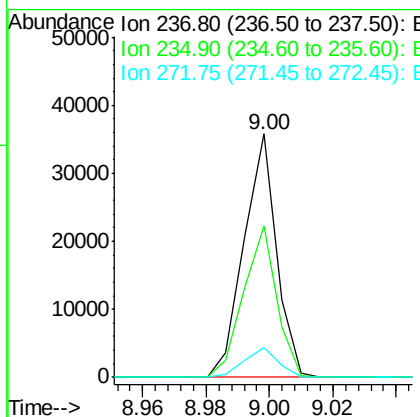
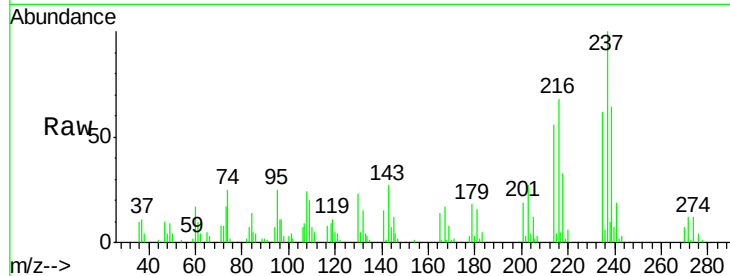
#41
Hexachlorocyclopentadiene
Concen: 5.587 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
237	100	25559		
235	62.2		42.1	82.1
272	12.4		0.0	33.4

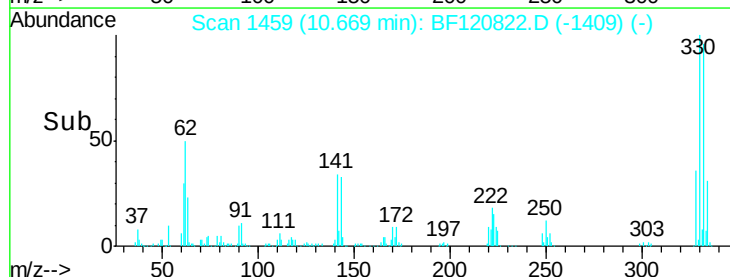
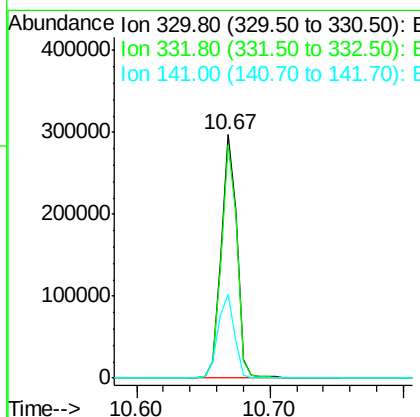
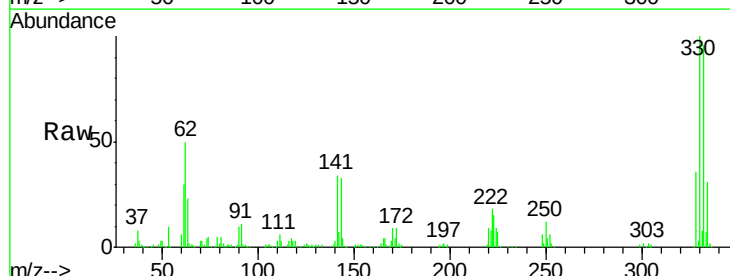
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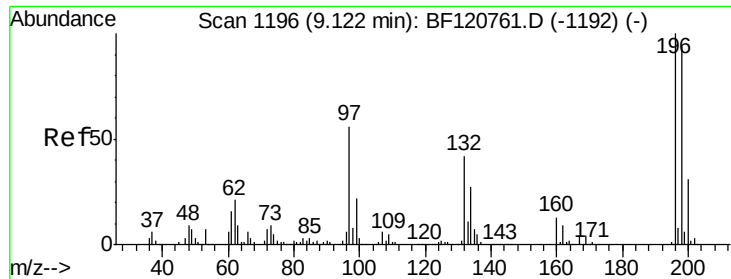
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#42
2,4,6-Tribromophenol
Concen: 96.482 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	248308		
332	96.0		75.8	113.6
141	36.4		29.7	44.5





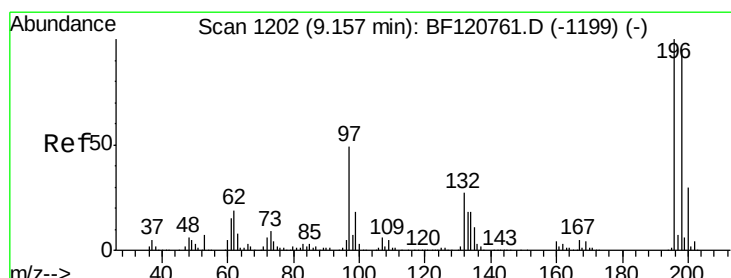
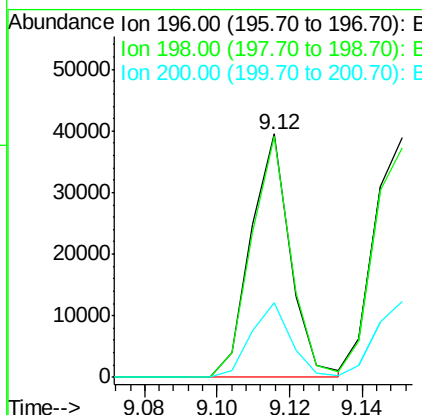
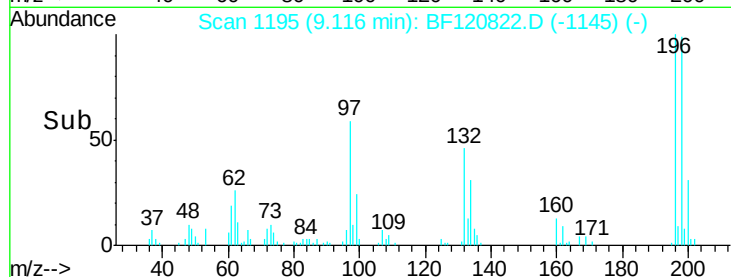
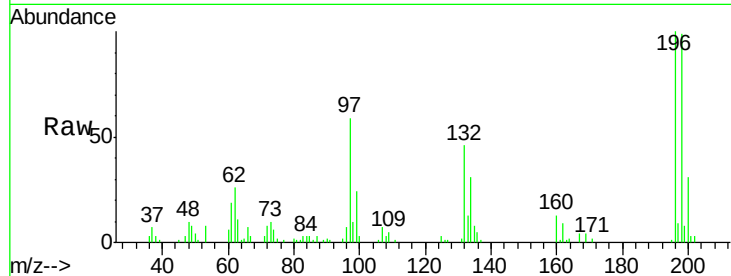
#43
 2,4,6-Trichlorophenol
 Concen: 5.639 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:	196	Resp:	29751
Ion Ratio	Lower	Upper	
196	100		
198	99.0	75.3	112.9
200	30.9	24.4	36.6

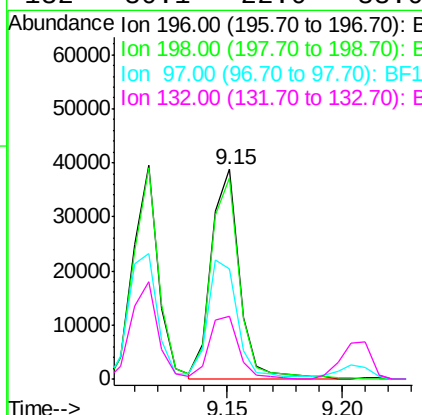
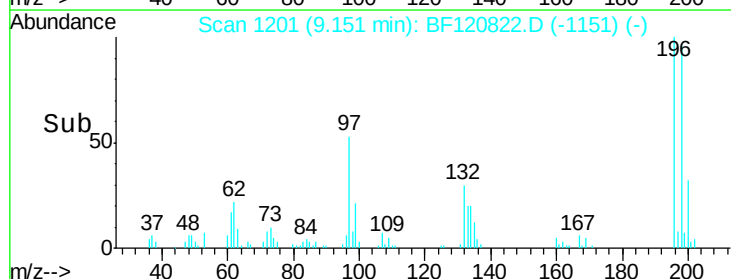
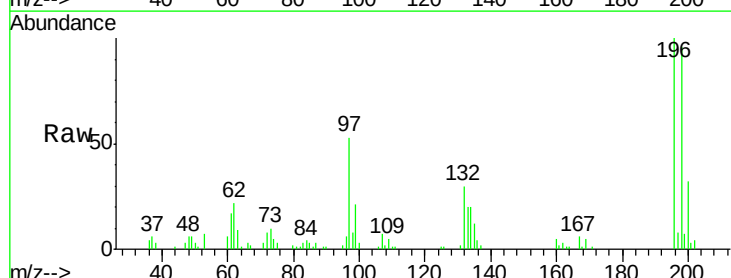
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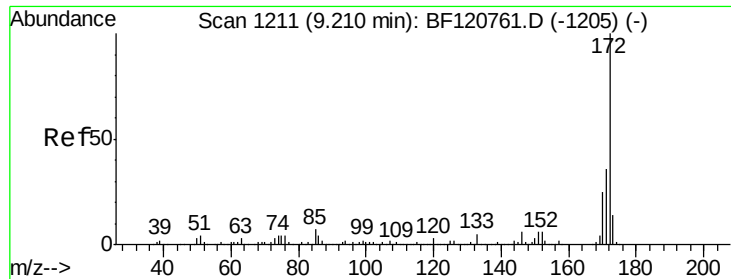
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#44
 2,4,5-Trichlorophenol
 Concen: 5.633 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion:	196	Resp:	32978
Ion Ratio	Lower	Upper	
196	100		
198	95.8	76.2	114.2
97	52.6	39.6	59.4
132	30.1	22.0	33.0





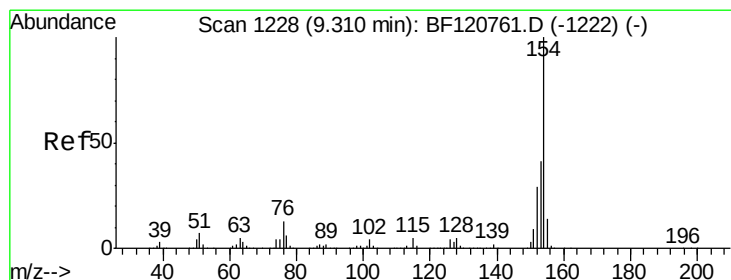
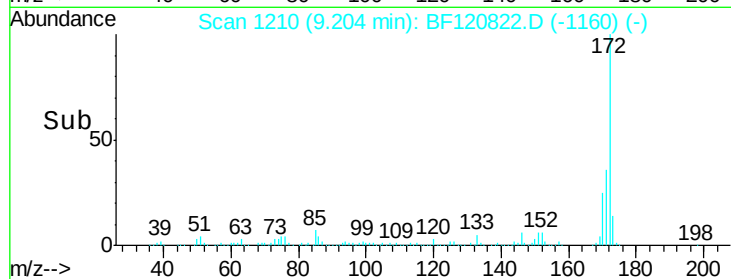
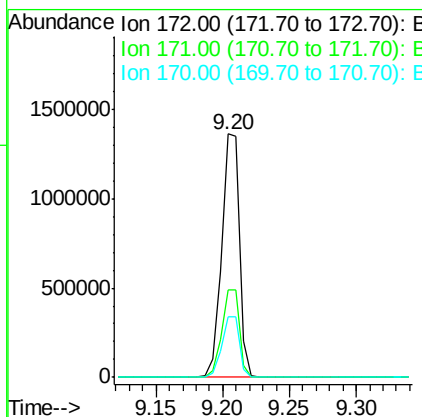
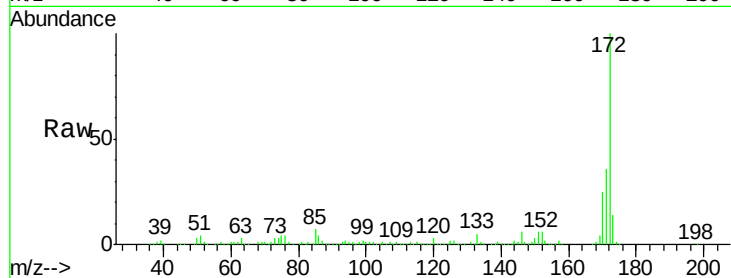
#45
2-Fluorobiphenyl
Concen: 75.534 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.1	43.7
170	25.0	19.8	29.6

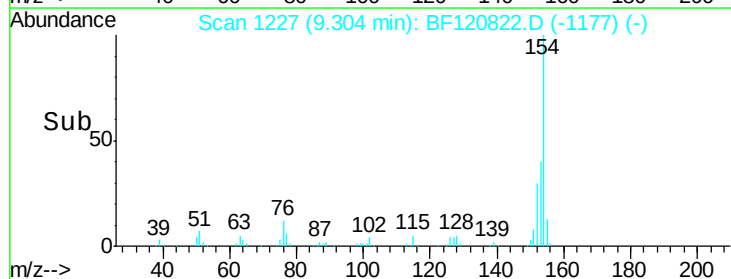
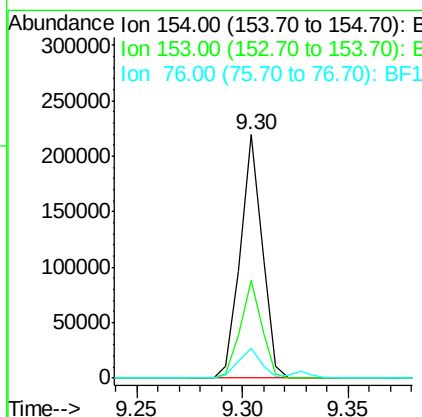
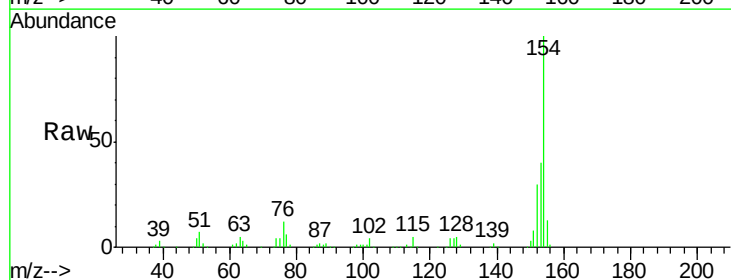
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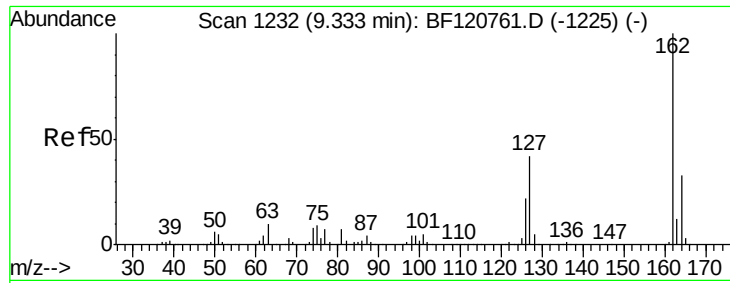
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#46
1,1'-Biphenyl
Concen: 7.587 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	12.2	0.0	33.3





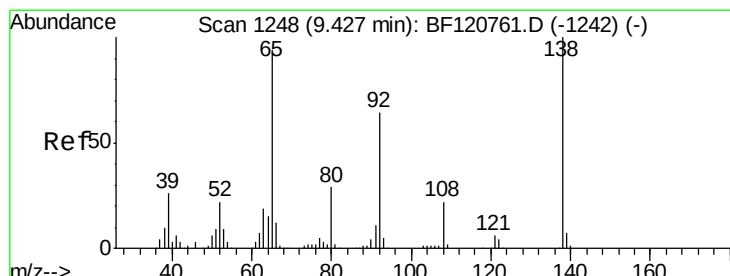
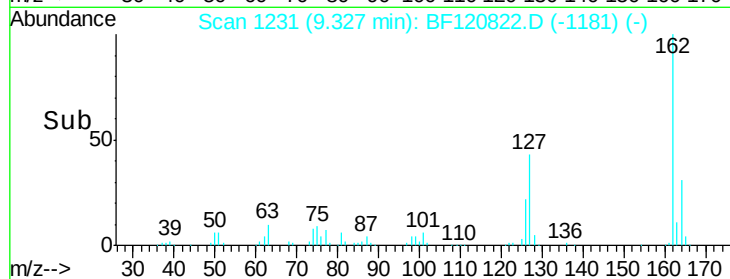
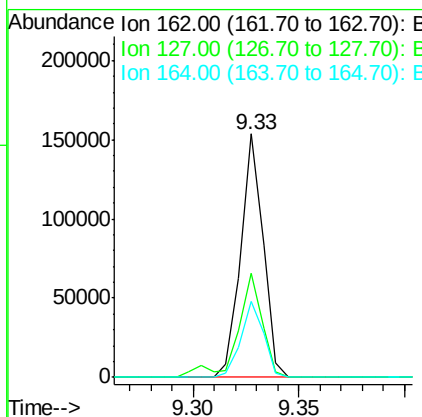
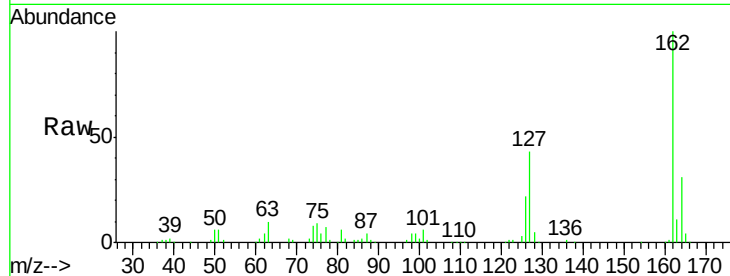
#47
 2-Chloronaphthalene
 Concen: 6.783 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.0	33.7	50.5
164	31.4	26.4	39.6

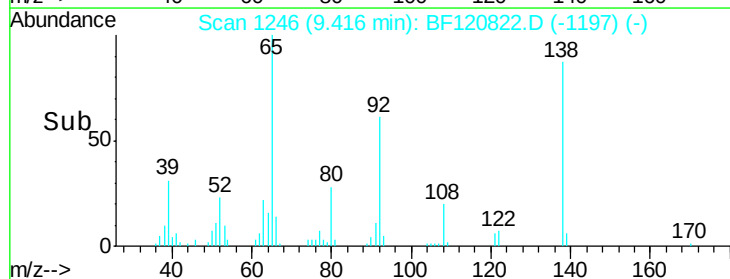
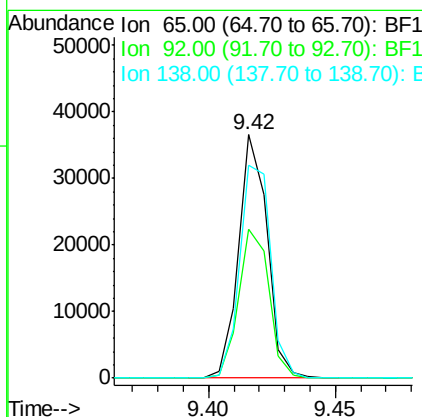
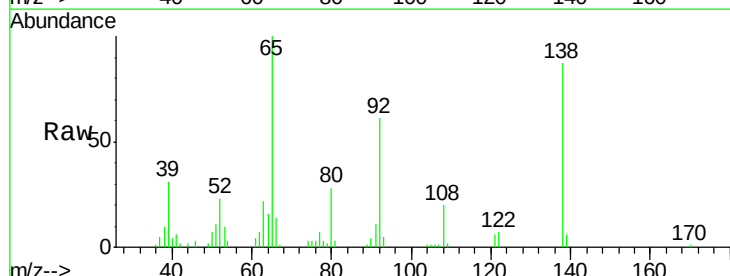
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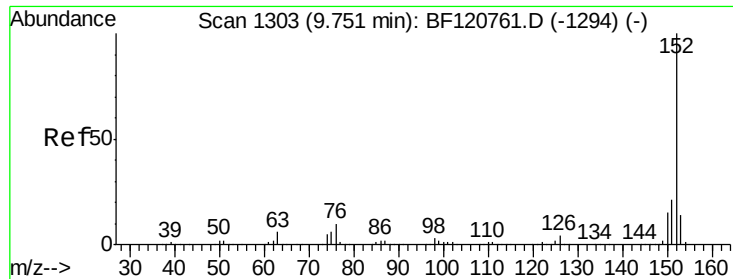
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#48
 2-Nitroaniline
 Concen: 6.446 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
65	100		
92	61.1	54.4	81.6
138	87.4	84.7	127.1





#49

Acenaphthylene

Concen: 6.919 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

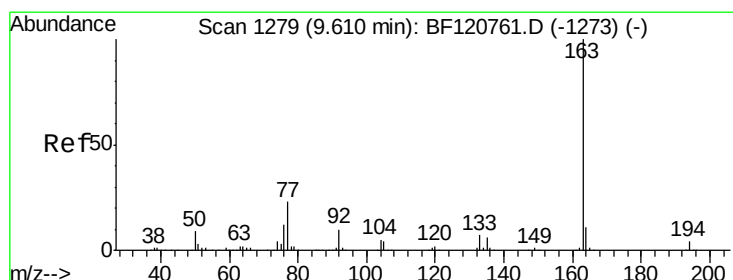
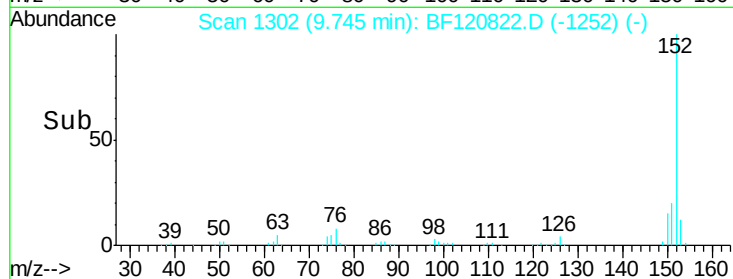
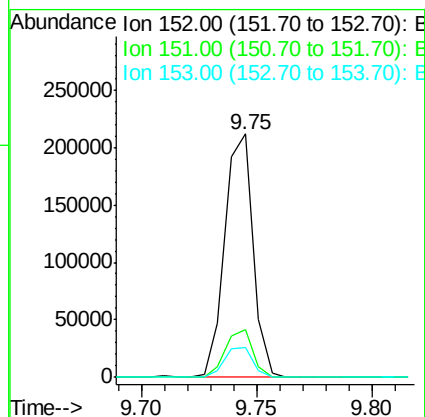
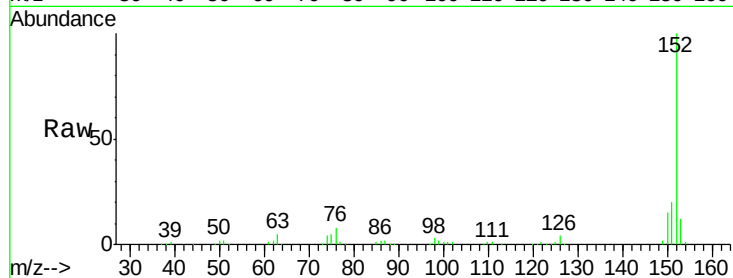
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	152	Resp:	179571
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.9	25.3
153	12.3	10.8	16.2

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#50

Dimethylphthalate

Concen: 6.559 ng

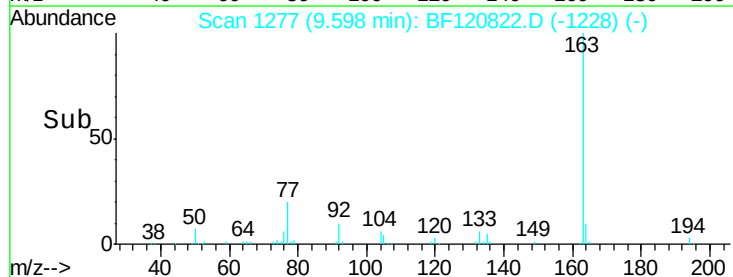
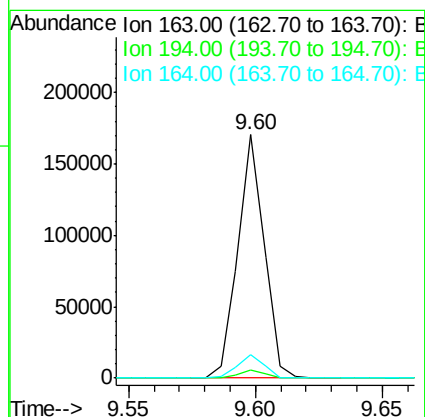
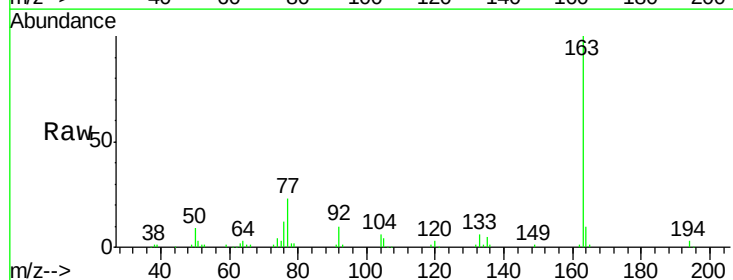
RT: 9.60 min Scan# 1277

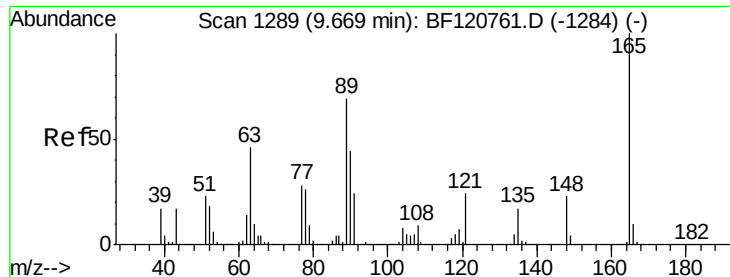
Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:	163	Resp:	122572
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.9	4.3
164	9.7	8.5	12.7





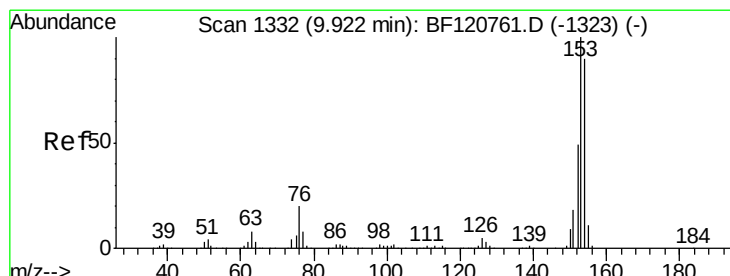
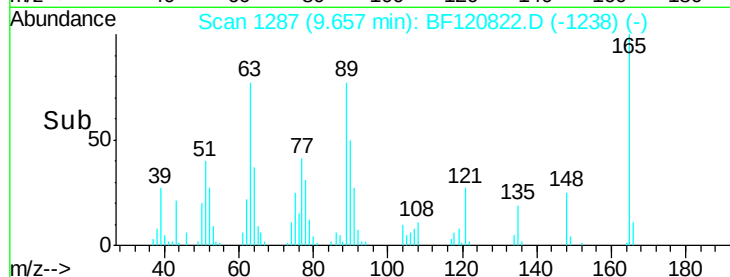
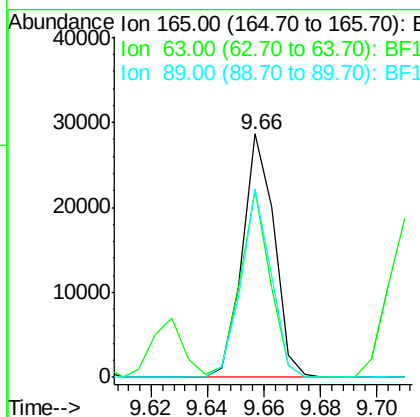
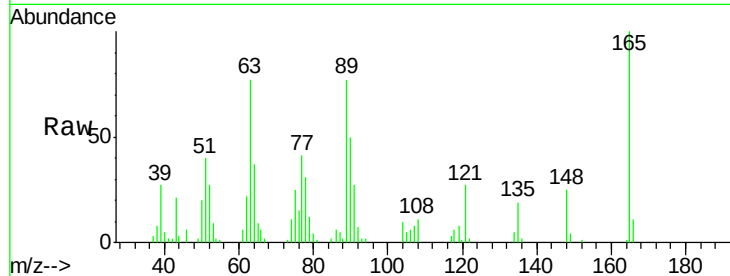
#51
 2,6-Dinitrotoluene
 Concen: 6.605 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:	165	Resp:	22300
Ion Ratio	Lower	Upper	
165	100		
63	76.7	54.0	81.0
89	77.3	55.4	83.2

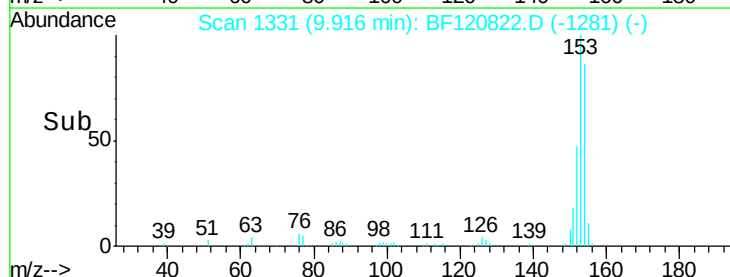
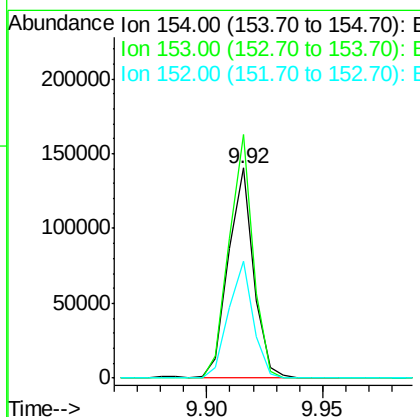
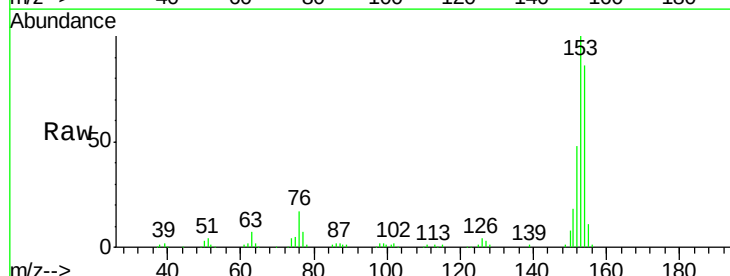
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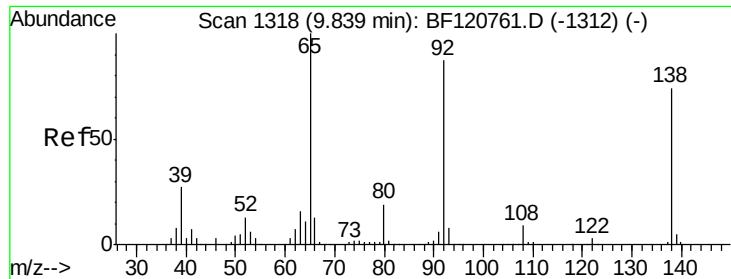
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#52
 Acenaphthene
 Concen: 6.619 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion:	154	Resp:	106569
Ion Ratio	Lower	Upper	
154	100		
153	115.8	88.6	132.8
152	55.7	43.6	65.4





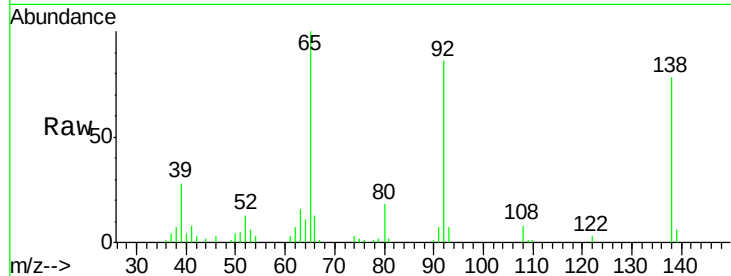
#53
3-Nitroaniline
Concen: 6.140 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

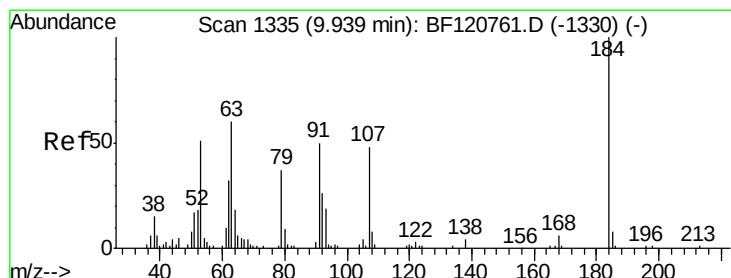
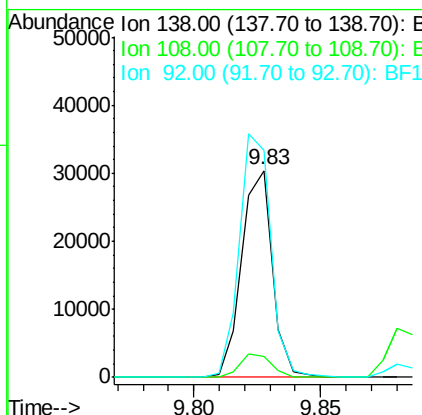
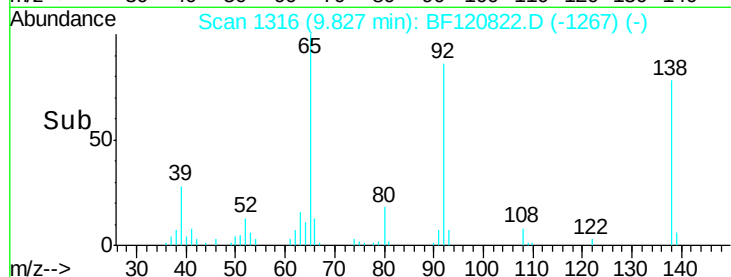
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	9.8	14.6
92	109.8	93.4	140.2

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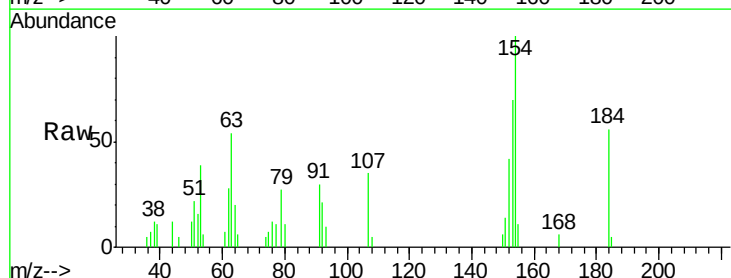


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

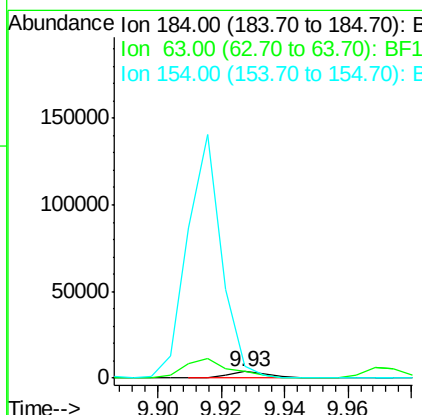
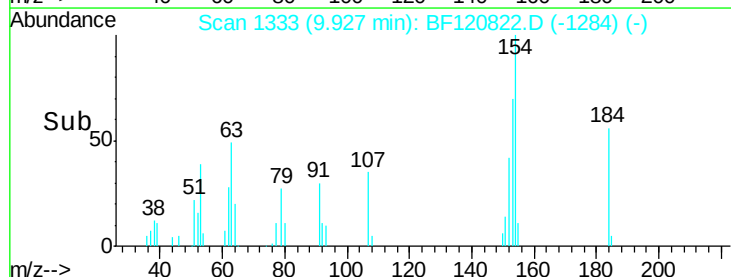


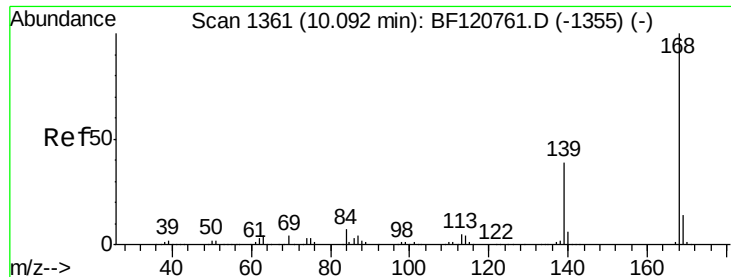
#54
2,4-Dinitrophenol
Concen: 2.840 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
184	100		
63	95.2	57.3	85.9#
154	177.9	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





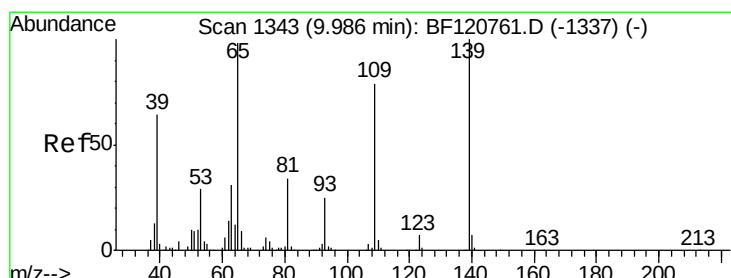
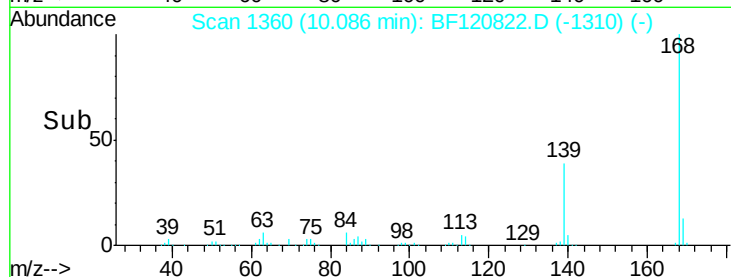
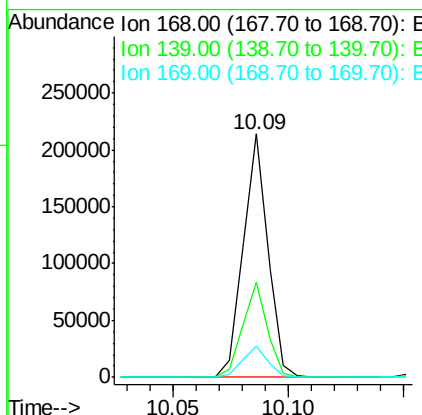
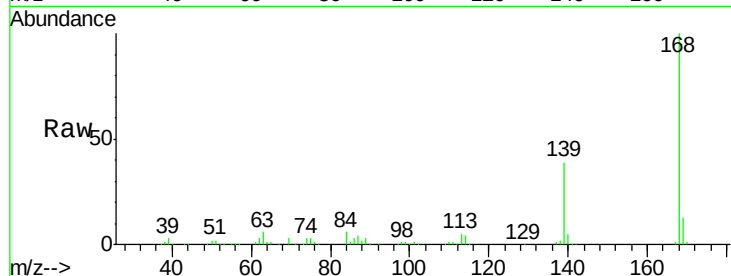
#55
Dibenzenofuran
Concen: 6.904 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
168	100	160225		
139	39.2		31.3	46.9
169	13.0		11.2	16.8

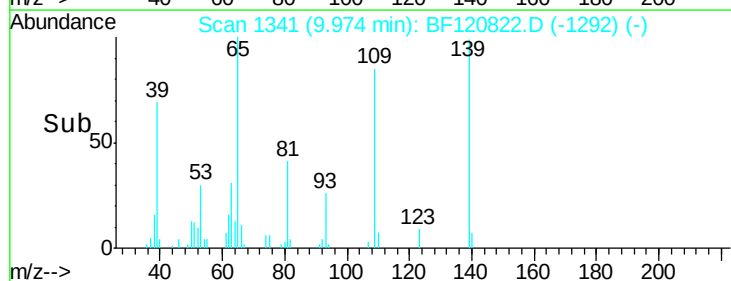
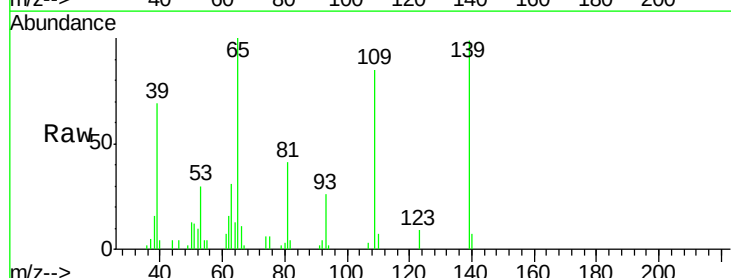
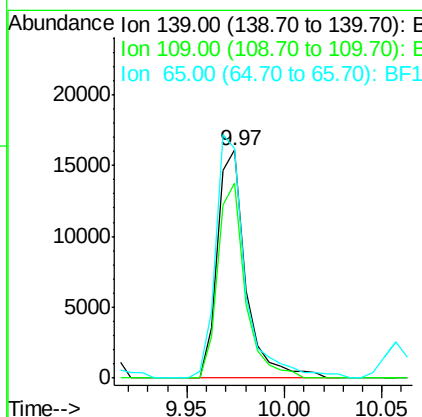
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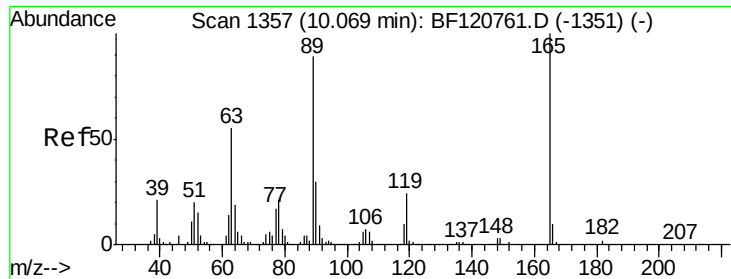
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#56
4-Nitrophenol
Concen: 5.321 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	16301		
109	85.3		58.6	98.6
65	100.8		78.7	118.7





#57

2,4-Dinitrotoluene

Concen: 6.401 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:165 Resp: 25943

Ion Ratio Lower Upper

165 100

63 58.8 43.8 65.8

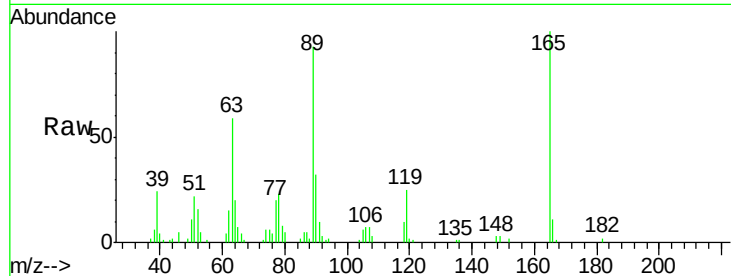
89 92.7 71.4 107.2

182 2.2 1.8 2.6

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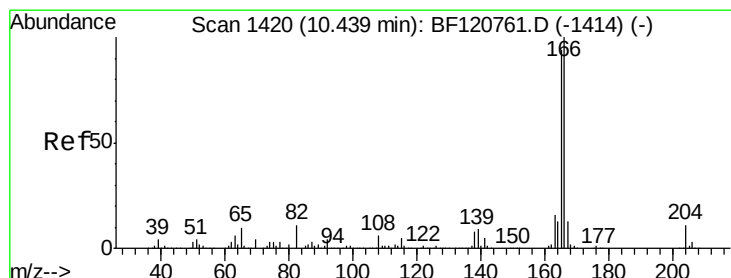
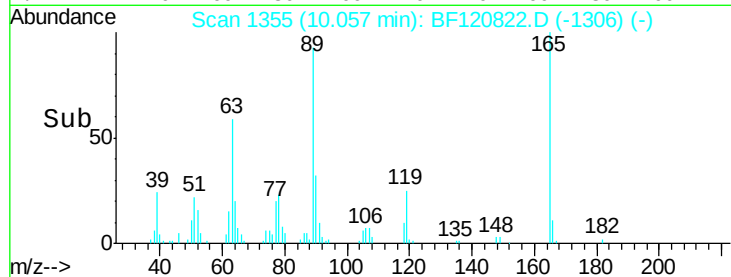
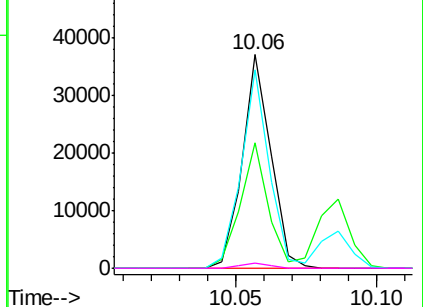


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 6.959 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:166 Resp: 120218

Ion Ratio Lower Upper

166 100

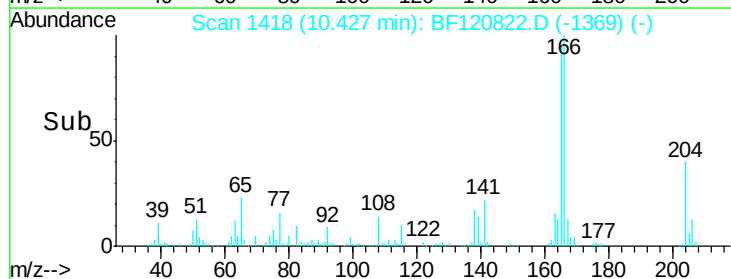
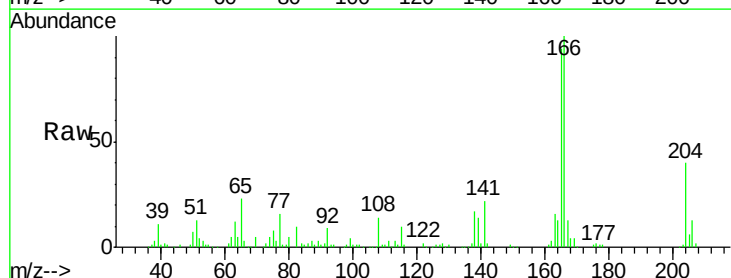
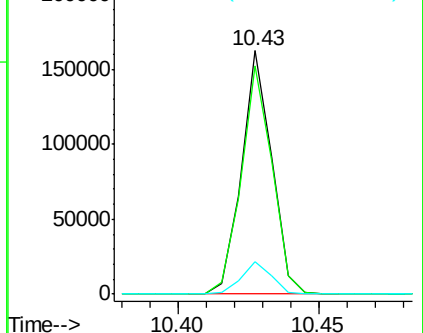
165 93.8 75.5 113.3

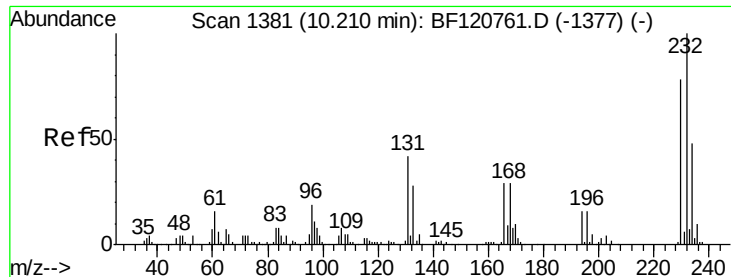
167 13.3 10.6 16.0

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 5.896 ng

RT: 10.20 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:232 Resp: 25687

Ion Ratio Lower Upper

232 100

131 42.8 36.3 54.5

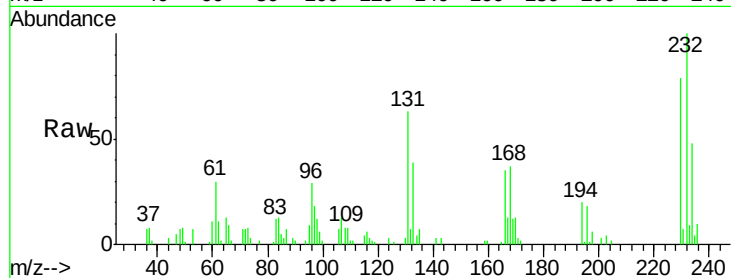
130 2.2 2.0 3.0

166 23.3 20.9 31.3

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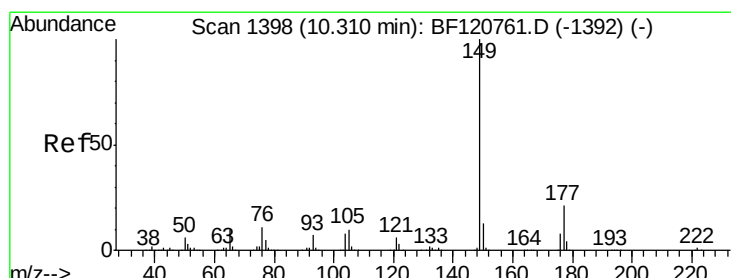
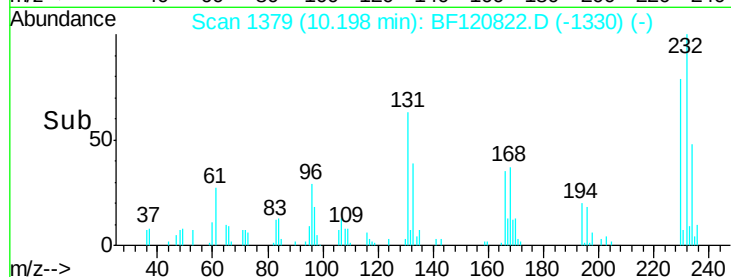
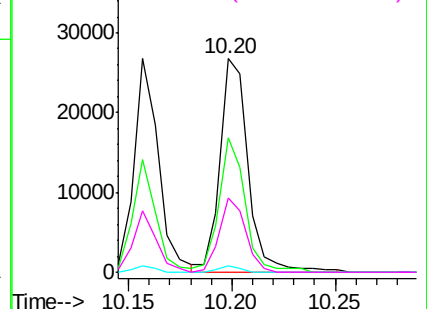


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 6.237 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

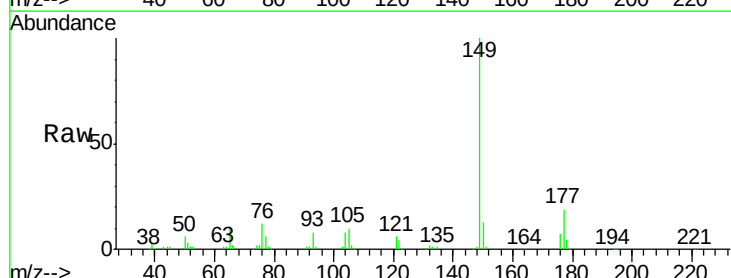
Tgt Ion:149 Resp: 121414

Ion Ratio Lower Upper

149 100

177 18.5 16.4 24.6

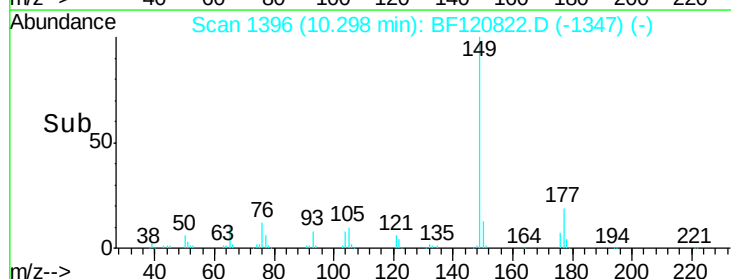
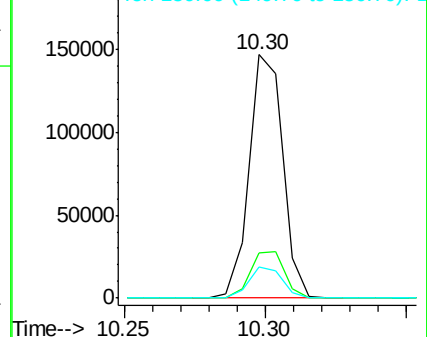
150 12.7 10.2 15.4

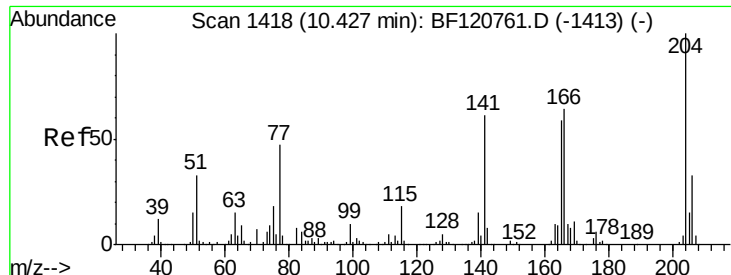


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





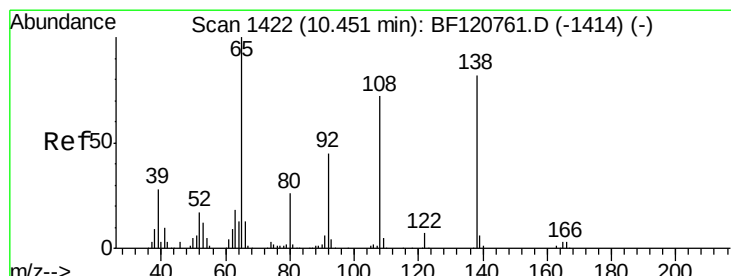
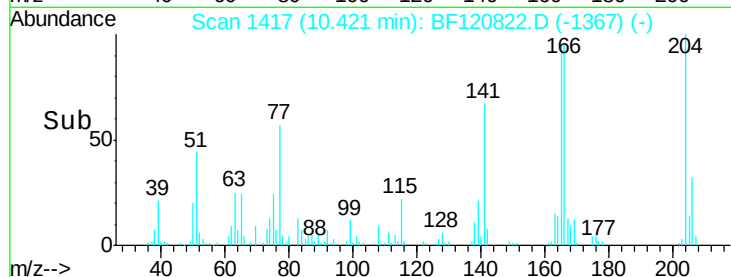
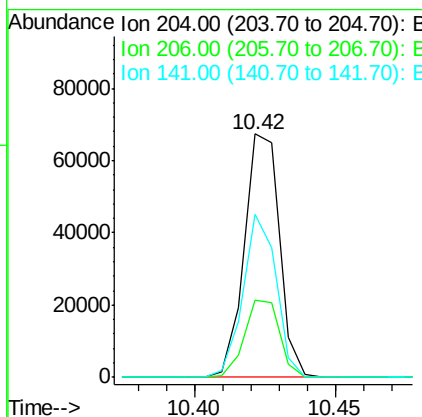
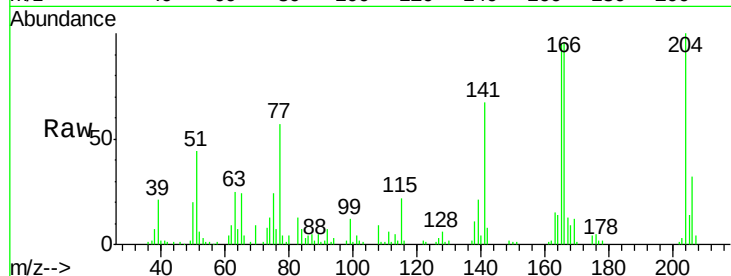
#61
4-Chlorophenyl-phenylether
Concen: 6.709 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.7	40.1
141	67.0	48.5	72.7

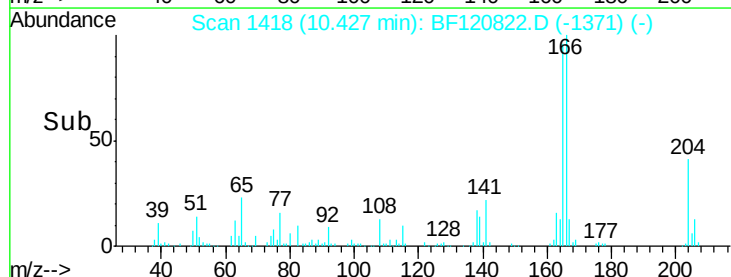
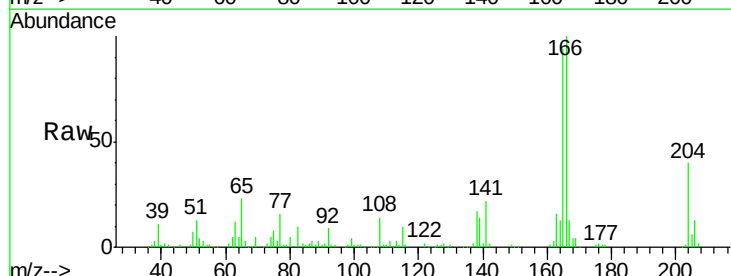
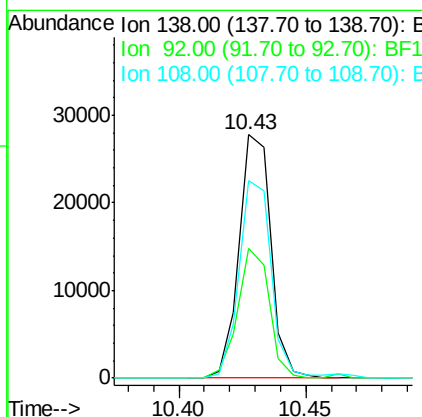
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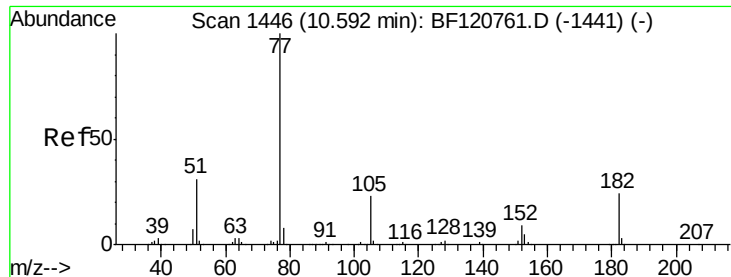
mohammad
7/13/2020 1:04:21 PM



#62
4-Nitroaniline
Concen: 6.109 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.5	34.3	74.3
108	80.9	68.3	108.3





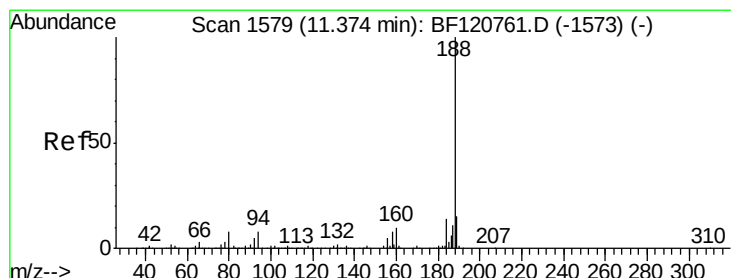
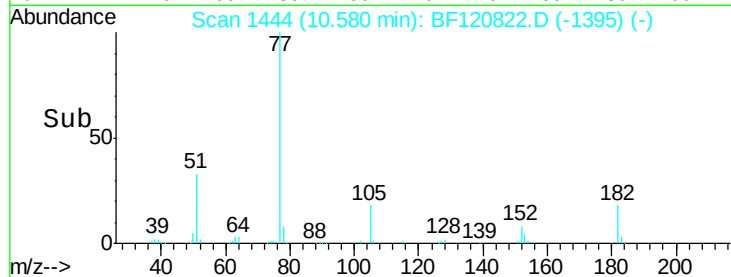
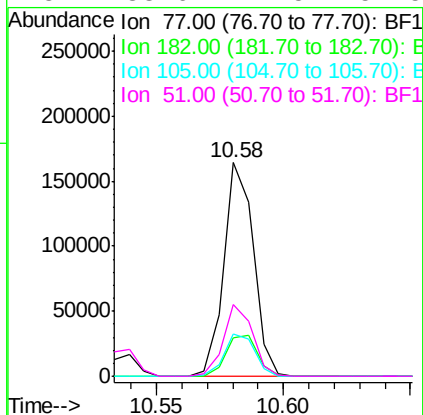
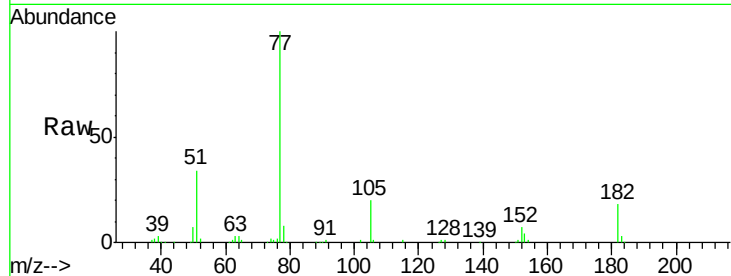
#63
Azobenzene
Concen: 6.681 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	17.9	4.0	44.0	
105	20.1	2.6	42.6	
51	33.6	11.5	51.5	

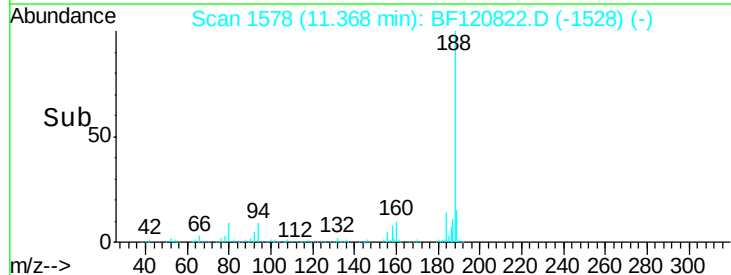
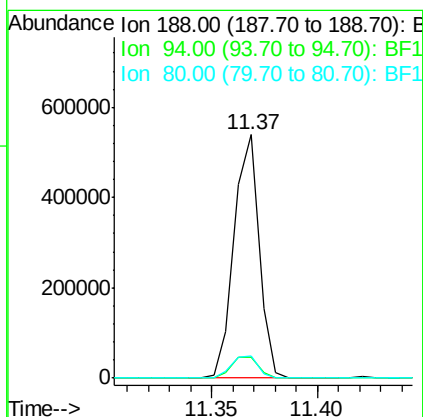
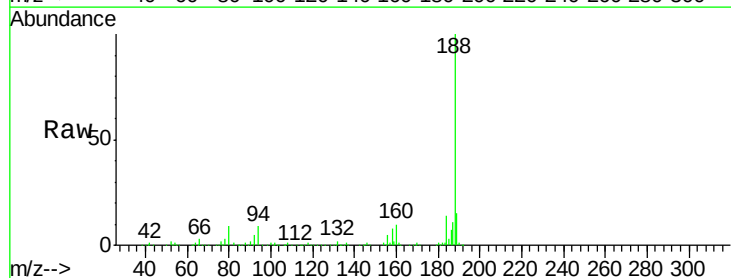
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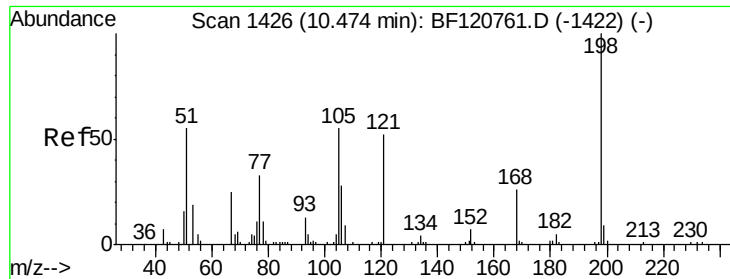
mohammad
7/13/2020 1:04:21 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.7	6.6	9.8	
80	8.9	6.6	10.0	





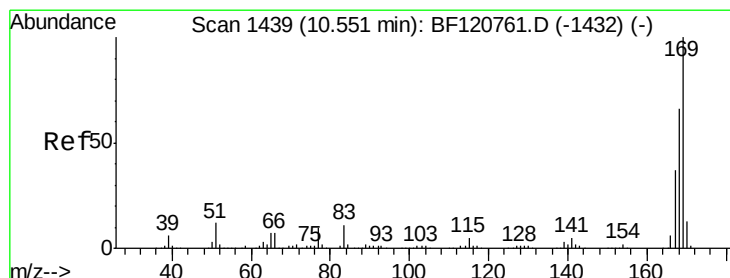
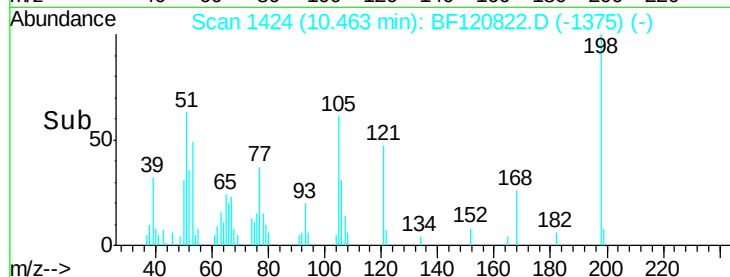
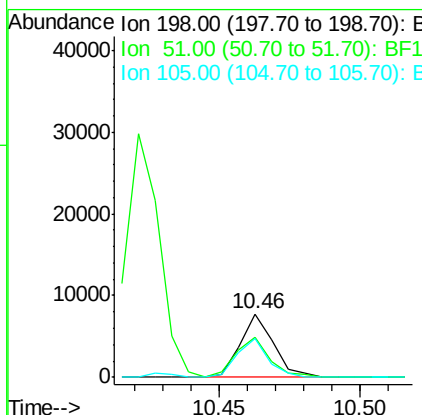
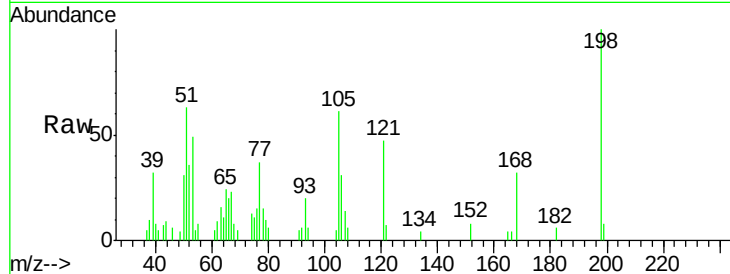
#65
4,6-Dinitro-2-methylphenol
Concen: 4.410 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
198	100	6259		
51	62.9		50.0	90.0
105	61.3		38.3	78.3

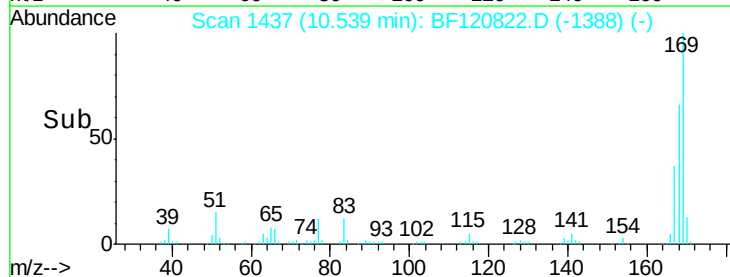
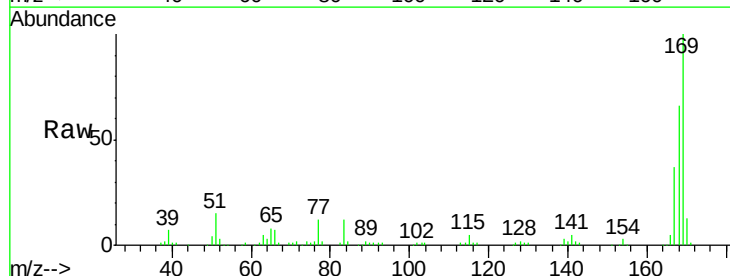
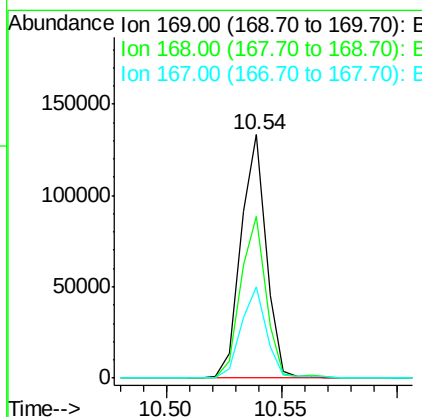
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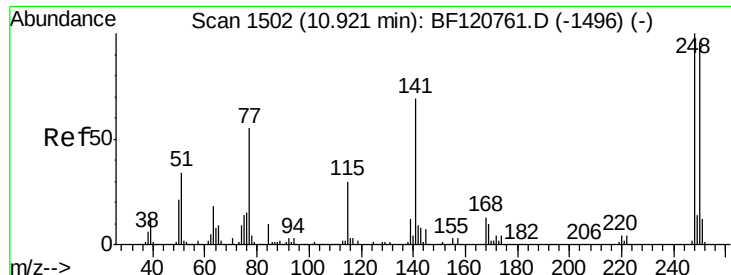
mohammad
7/13/2020 1:04:21 PM



#66
n-Nitrosodiphenylamine
Concen: 6.873 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	101749		
168	66.4		53.1	79.7
167	37.4		29.6	44.4





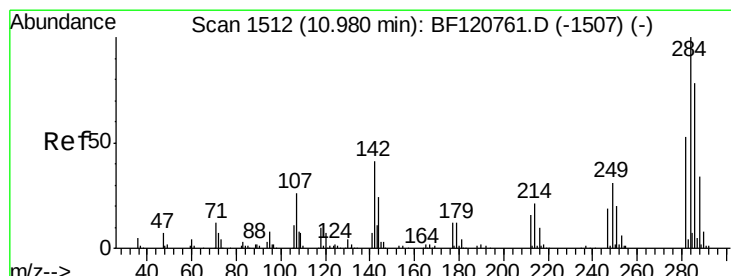
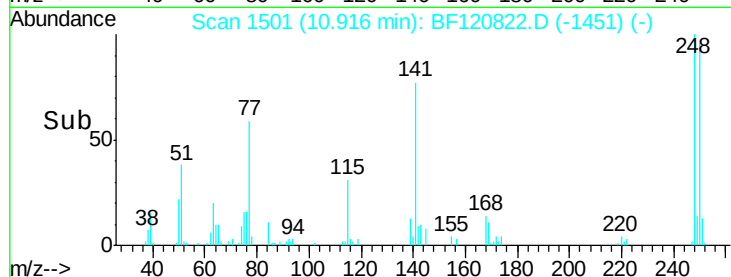
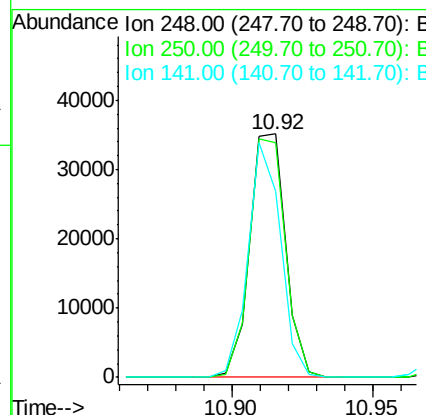
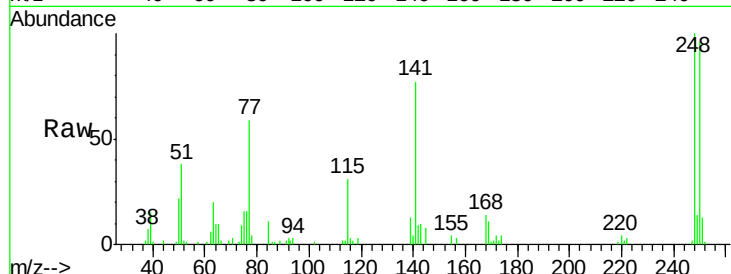
#67
 4-Bromophenyl-phenylether
 Concen: 6.073 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.4	76.5	114.7
141	76.6	54.9	82.3

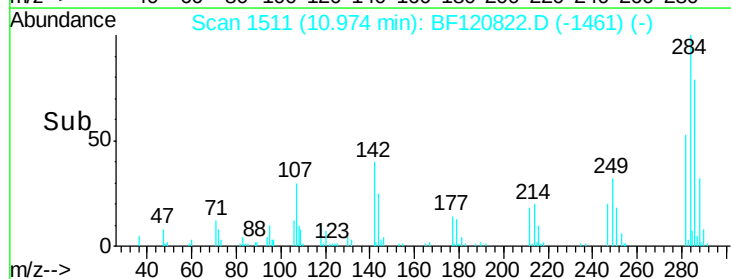
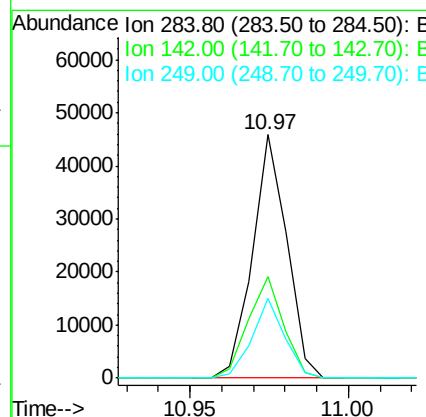
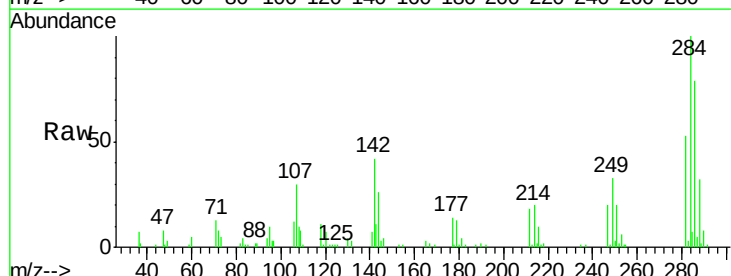
Manual Integrations
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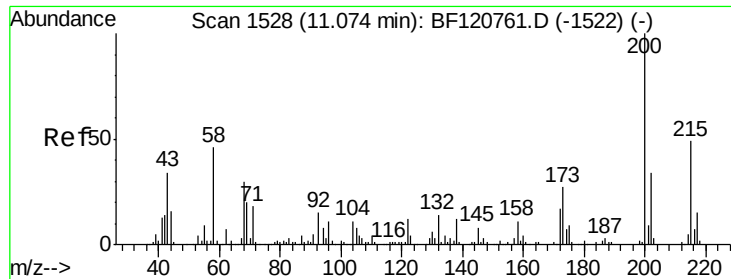
mohammad
 7/13/2020 1:04:21 PM



#68
 Hexachlorobenzene
 Concen: 6.397 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
284	100		
142	41.9	32.5	48.7
249	32.9	24.8	37.2





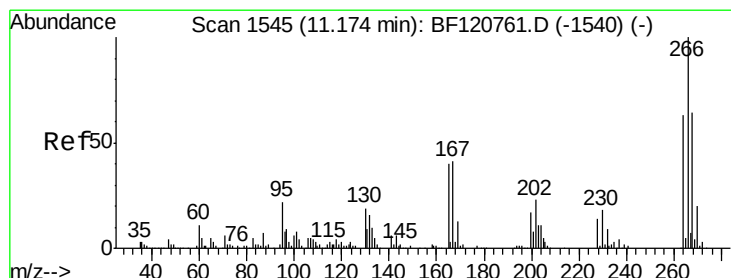
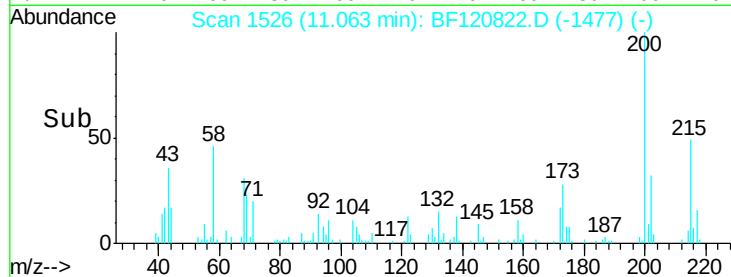
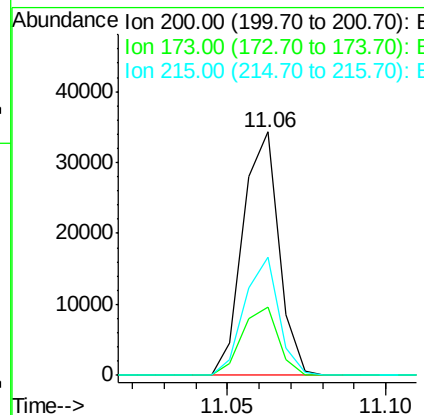
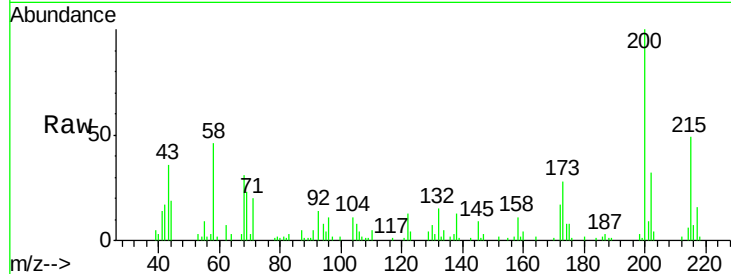
#69
Atrazine
Concen: 7.047 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.4	47.4
215	48.8	28.8	68.8

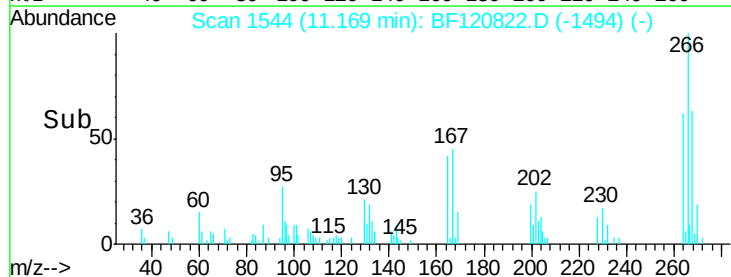
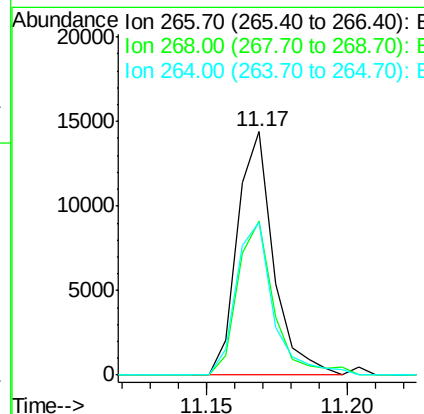
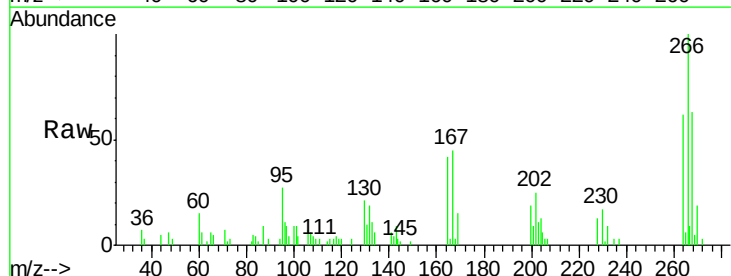
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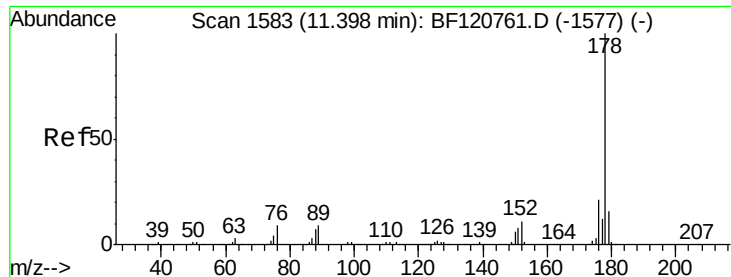
mohammad
7/13/2020 1:04:21 PM



#70
Pentachlorophenol
Concen: 4.201 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.2	51.4	77.2
264	68.5	50.6	75.8





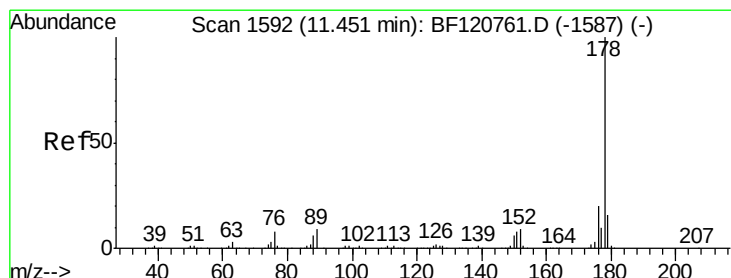
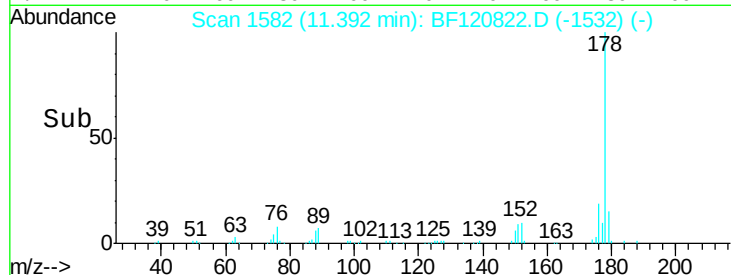
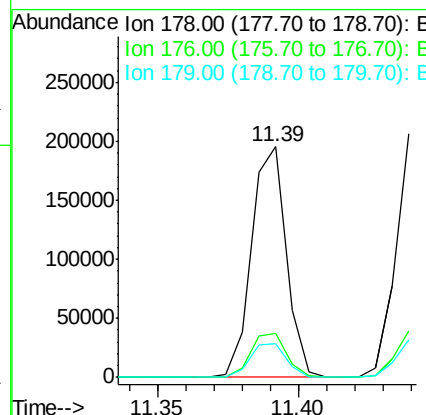
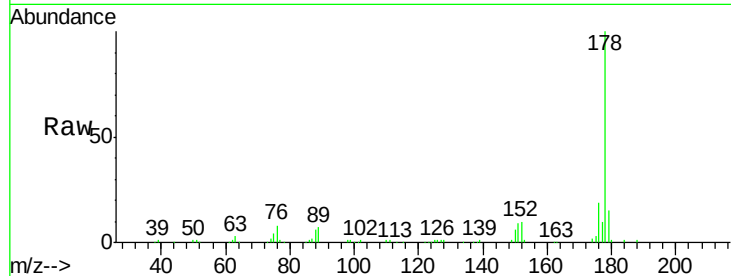
#71
Phenanthrene
Concen: 6.939 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.4	24.6
179	14.7	12.9	19.3

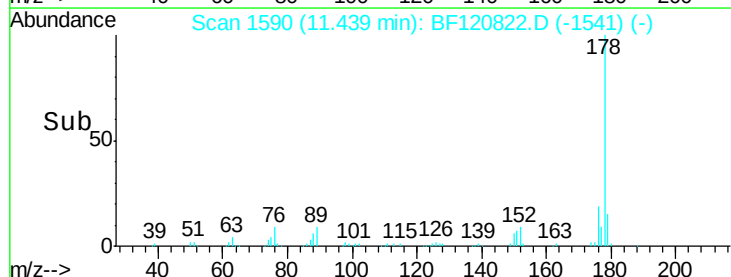
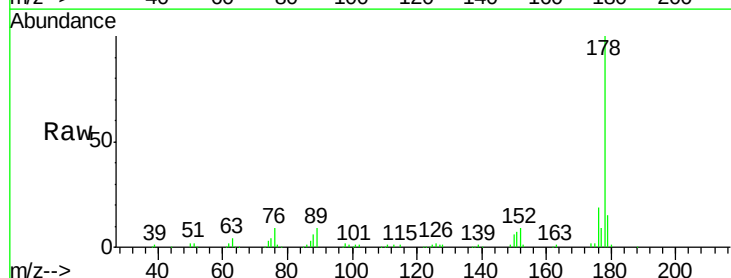
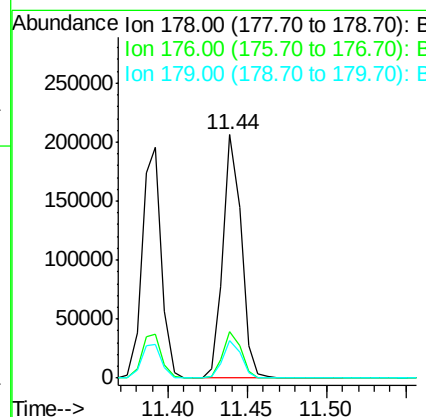
Manual Integrations
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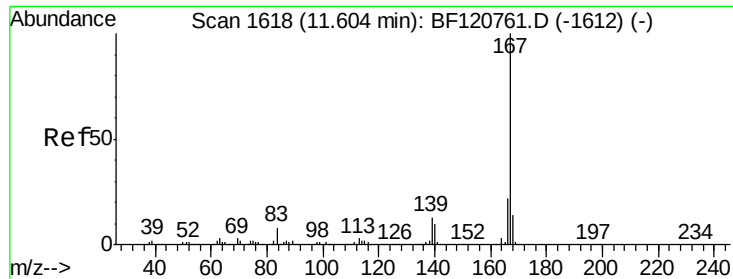
mohammad
7/13/2020 1:04:21 PM



#72
Anthracene
Concen: 6.872 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.2
179	15.4	12.7	19.1





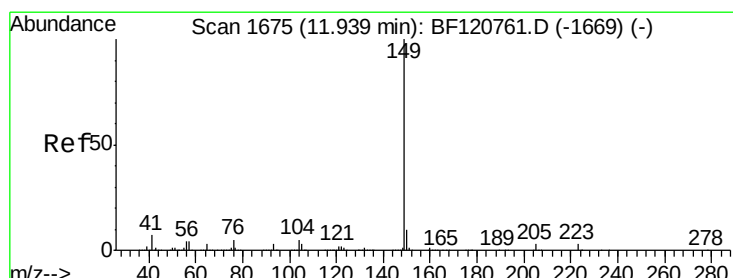
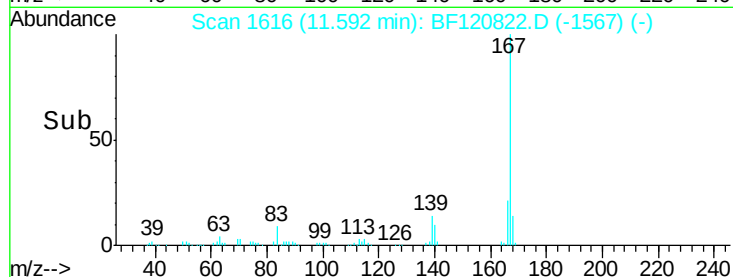
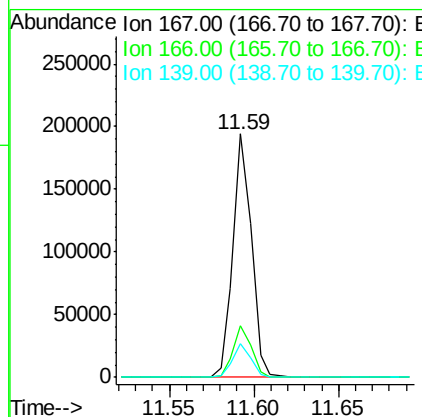
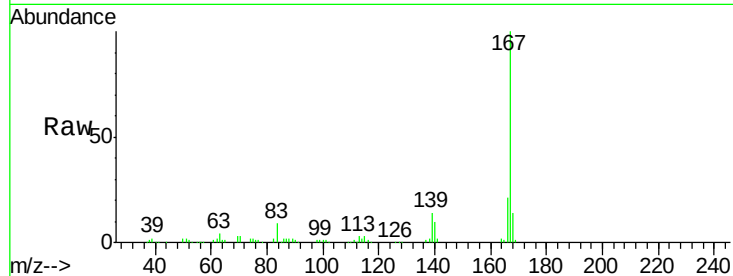
#73
 Carbazole
 Concen: 6.364 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
167	100	148109		
166	21.4		17.8	26.8
139	13.7		10.7	16.1

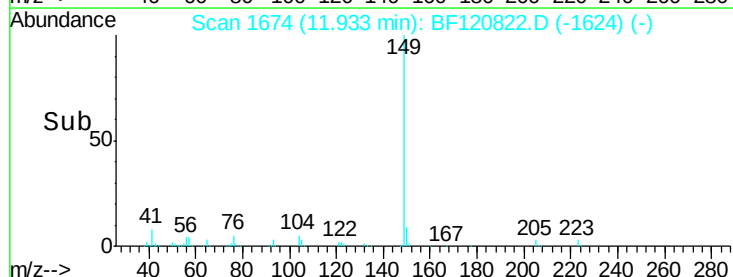
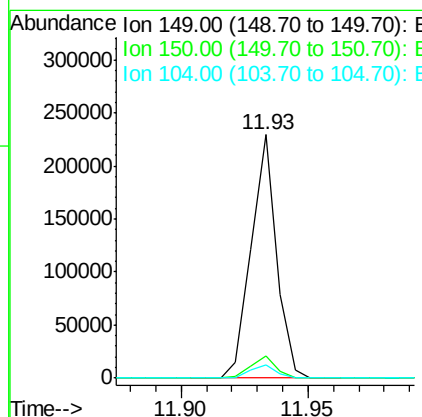
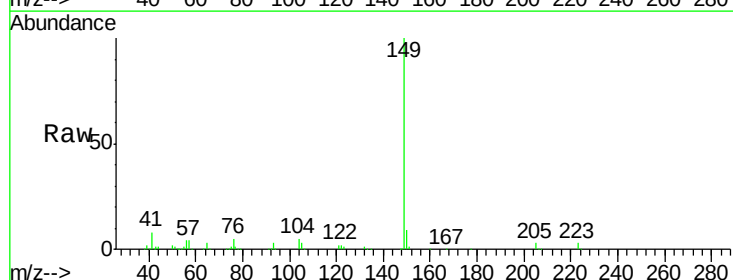
Manual Integrations
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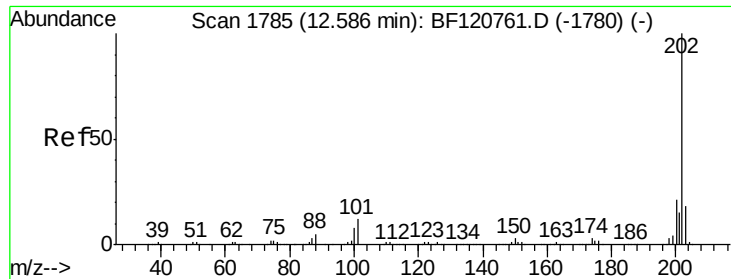
mohammad
 7/13/2020 1:04:21 PM



#74
 Di-n-butylphthalate
 Concen: 5.558 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	160136		
150	9.0		7.7	11.5
104	5.2		4.0	6.0





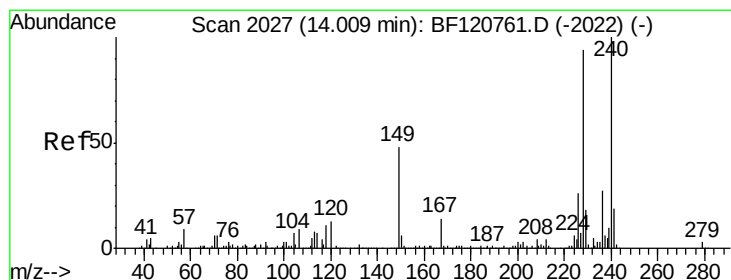
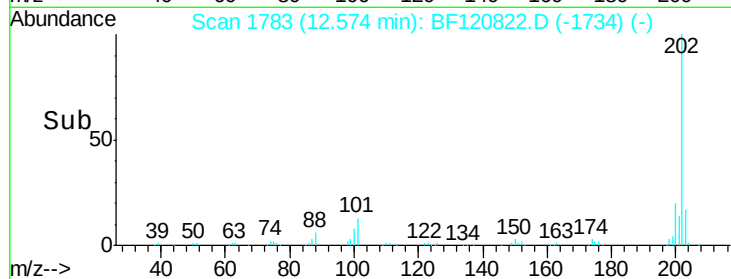
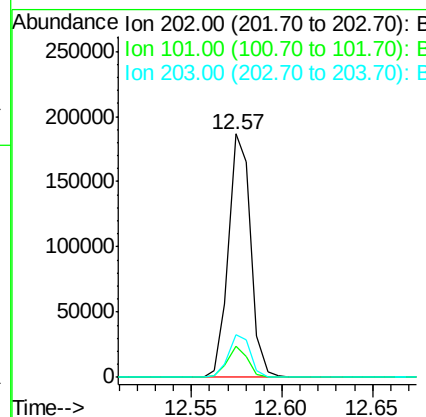
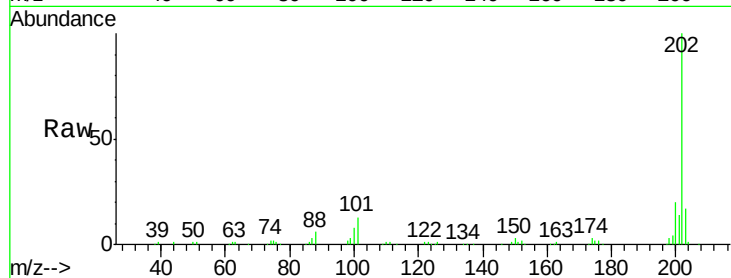
#75
Fluoranthene
Concen: 6.252 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	31.6
203	17.3	0.0	38.2

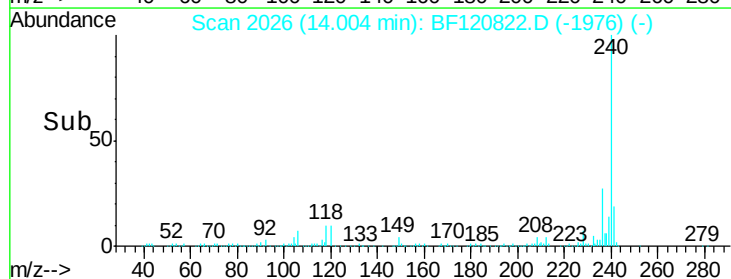
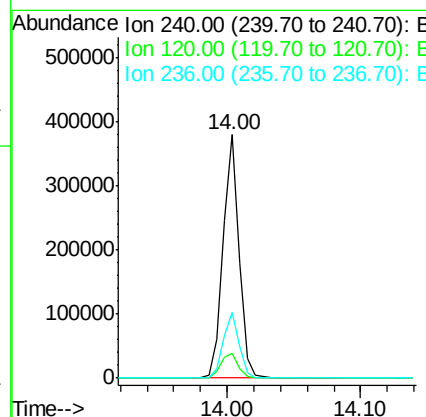
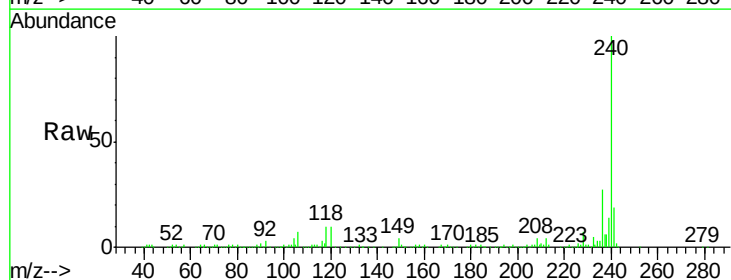
Manual Integrations
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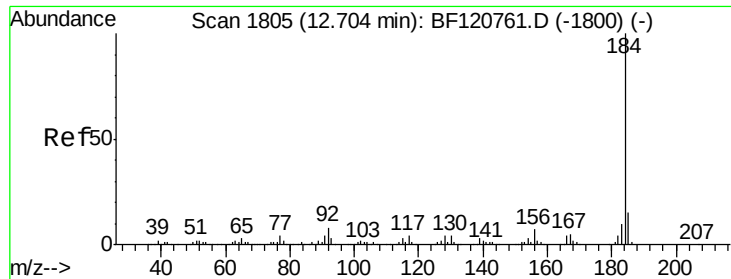
mohammad
7/13/2020 1:04:21 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	10.3	15.5
236	27.0	21.4	32.2





#77

Benzidine

Concen: 5.888 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

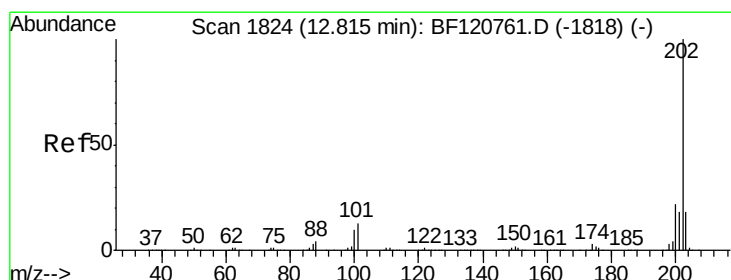
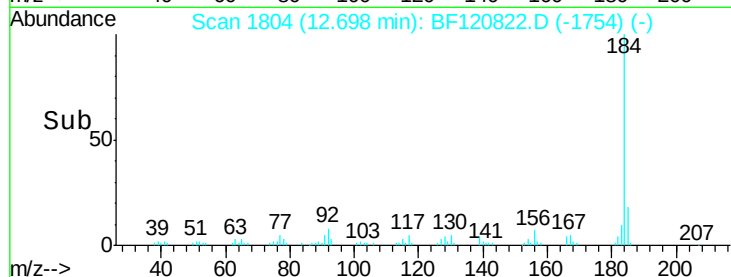
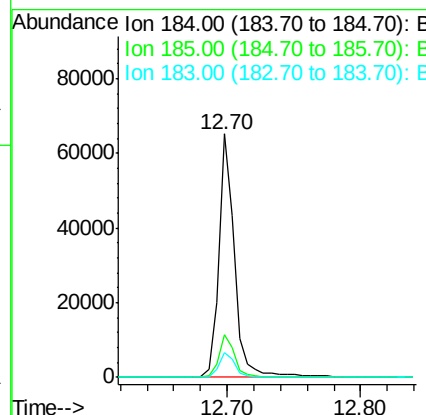
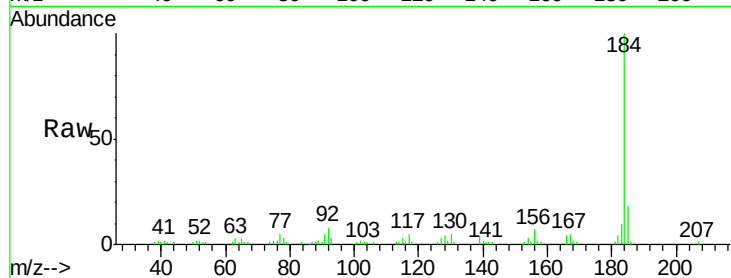
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
184	100		
185	17.8	11.8	17.8#
183	10.4	8.3	12.5

Manual Integrations
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mohammad
7/13/2020 1:04:21 PM



#78

Pyrene

Concen: 6.425 ng

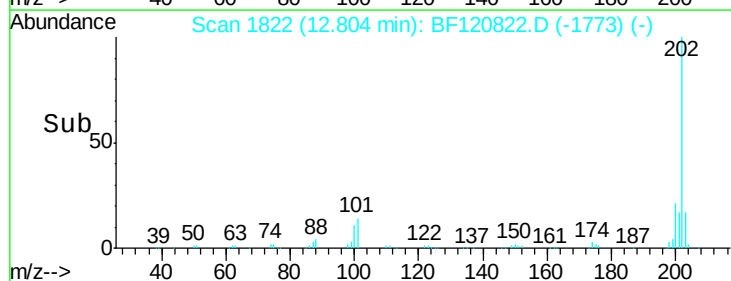
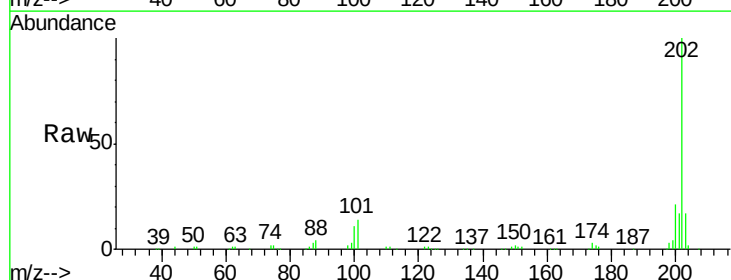
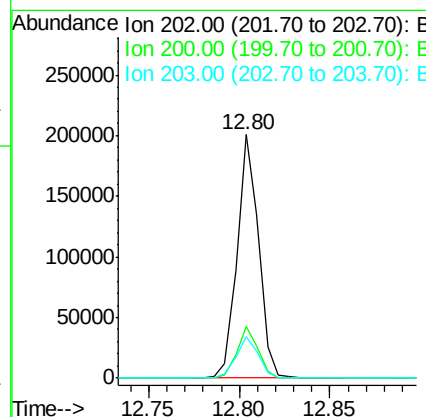
RT: 12.80 min Scan# 1822

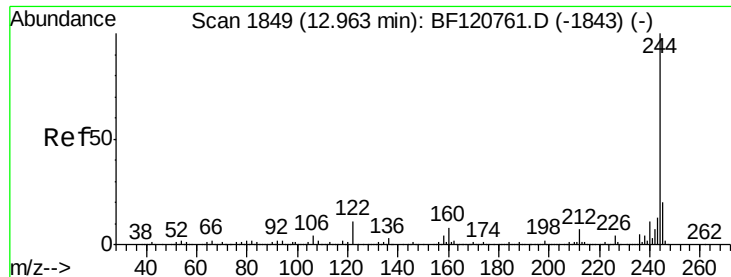
Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.3	25.9
203	17.2	14.6	22.0





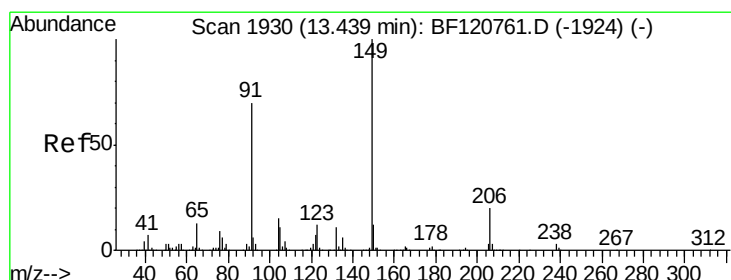
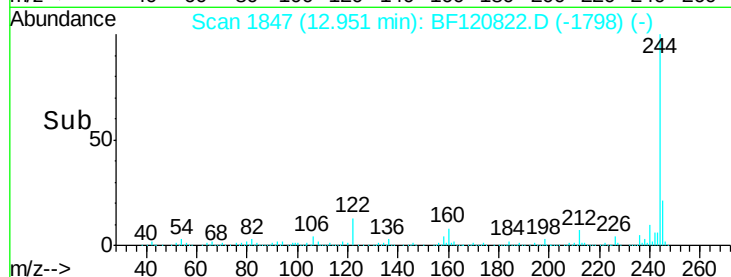
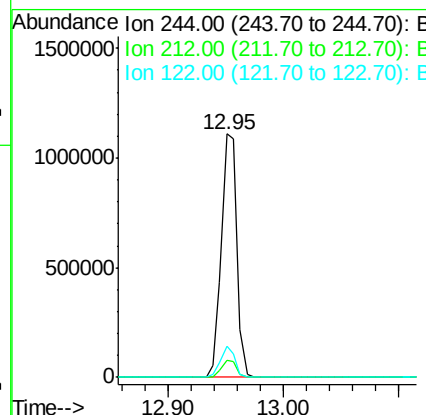
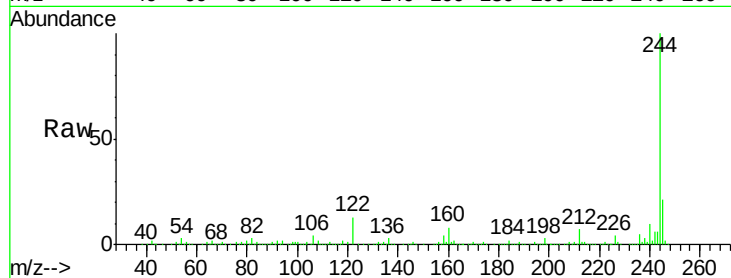
#79
 Terphenyl-d14
 Concen: 62.802 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.8	9.0	13.4

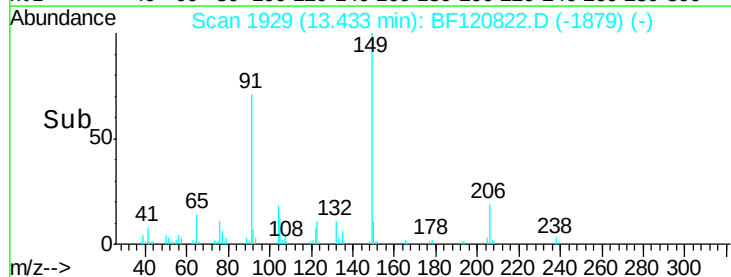
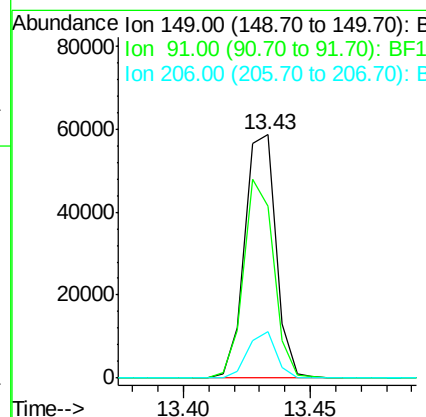
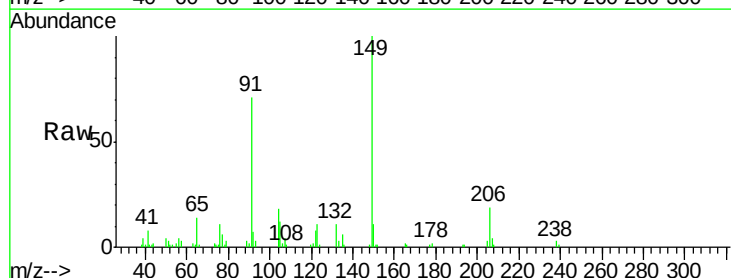
Manual Integrations
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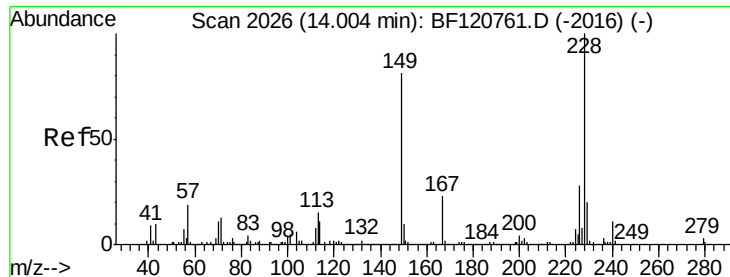
mohammad
 7/13/2020 1:04:21 PM



#80
 Butylbenzylphthalate
 Concen: 4.534 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.8	55.8	83.8
206	19.3	15.7	23.5





#81

Benzo(a)anthracene

Concen: 6.664 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

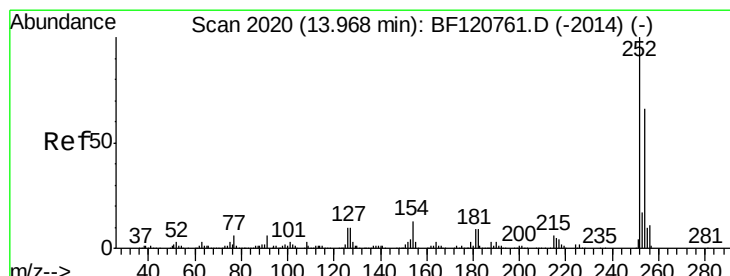
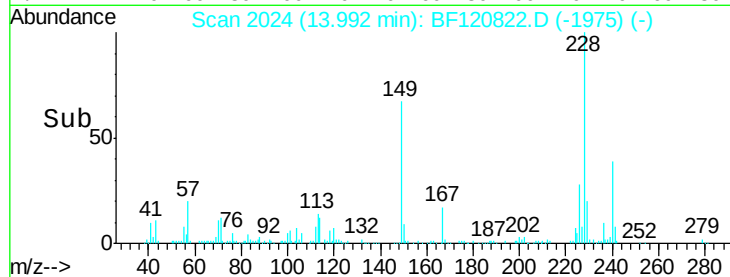
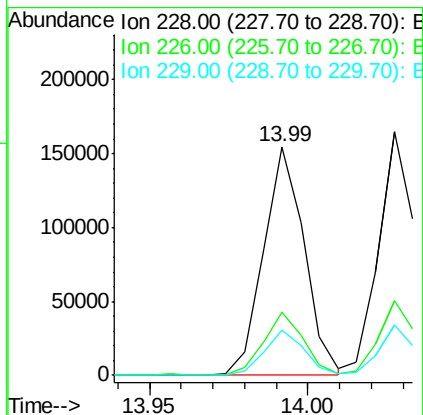
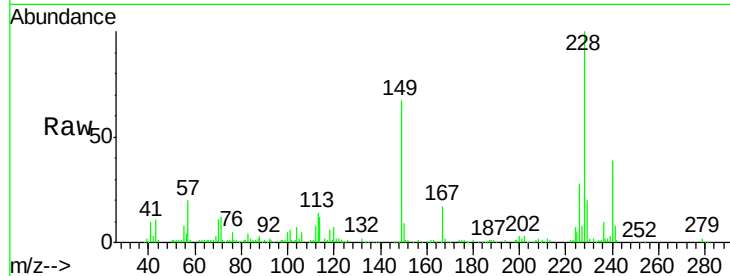
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	228	Resp:	137915
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	33.8
229	19.9	15.8	23.6

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 5.506 ng

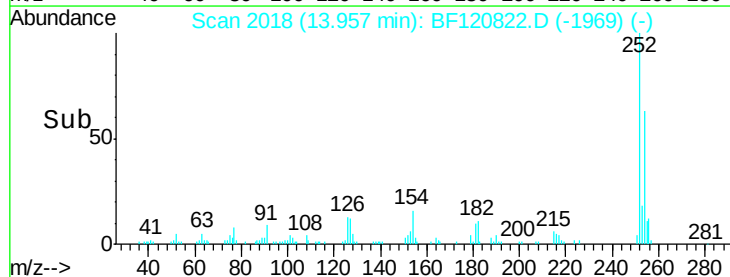
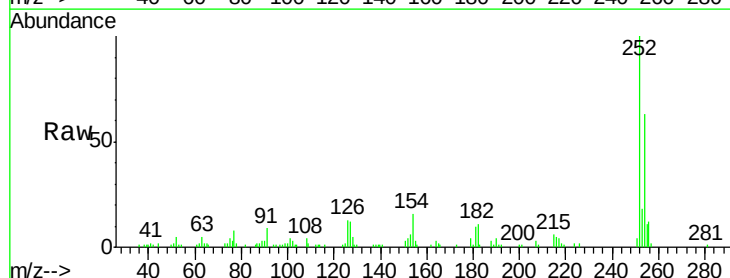
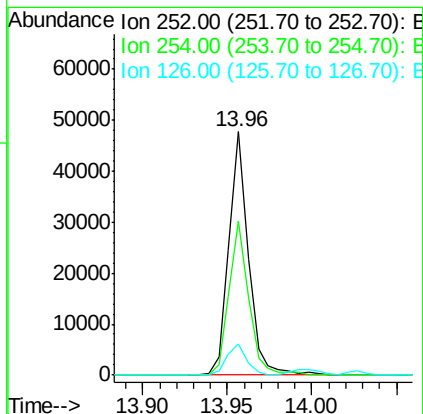
RT: 13.96 min Scan# 2018

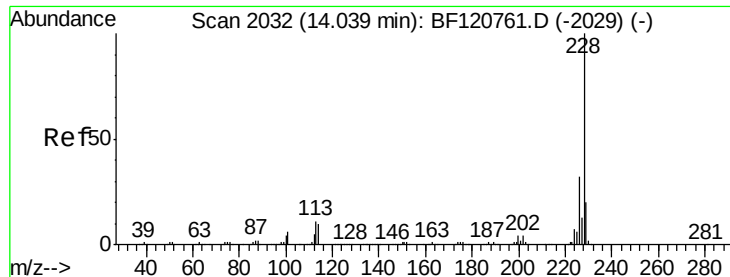
Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:	252	Resp:	38449
Ion Ratio	Lower	Upper	
252	100		
254	63.3	52.6	78.8
126	13.1	7.8	11.8#





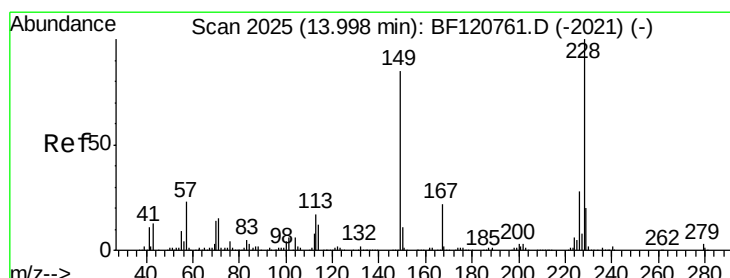
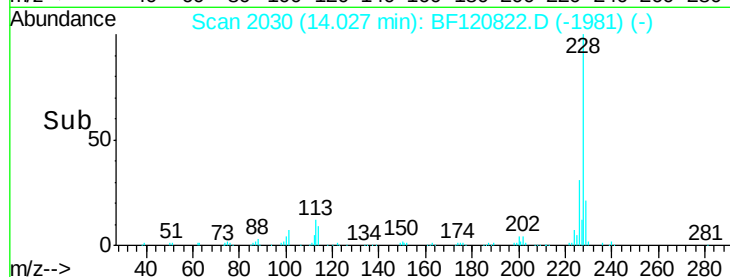
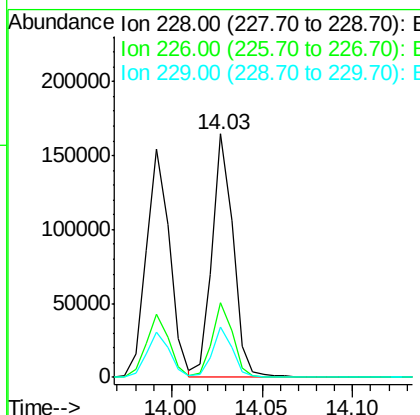
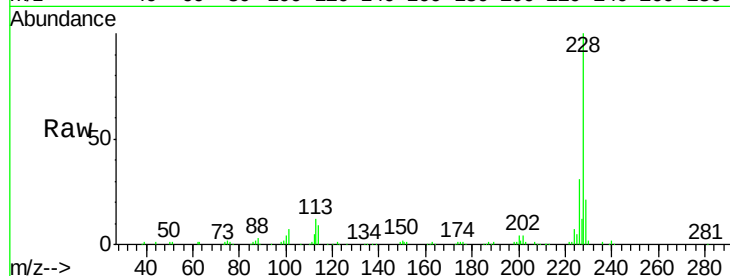
#83
Chrysene
Concen: 6.349 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.7	38.5
229	20.6	16.3	24.5

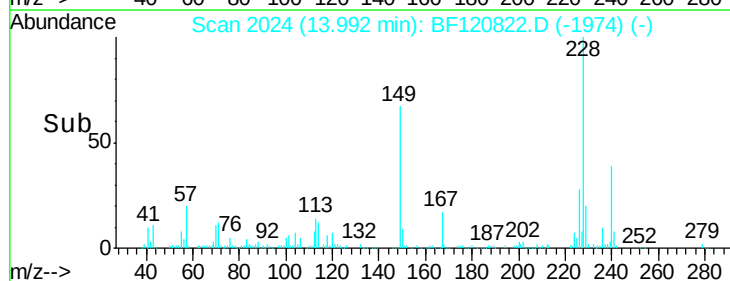
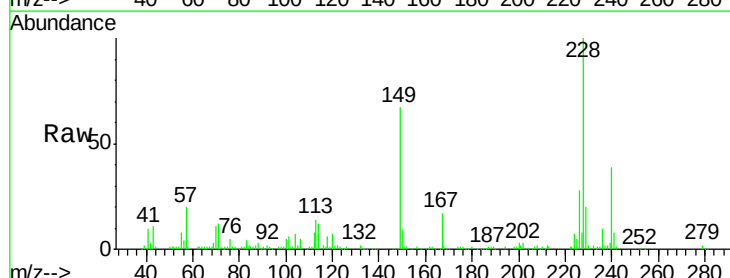
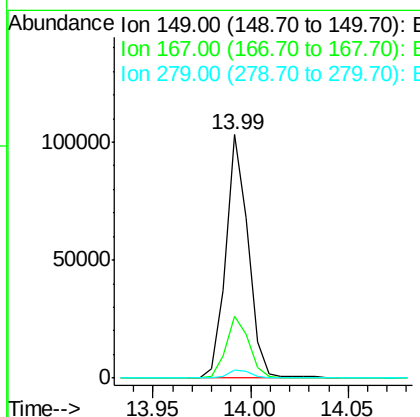
Manual Integrations
APPROVED

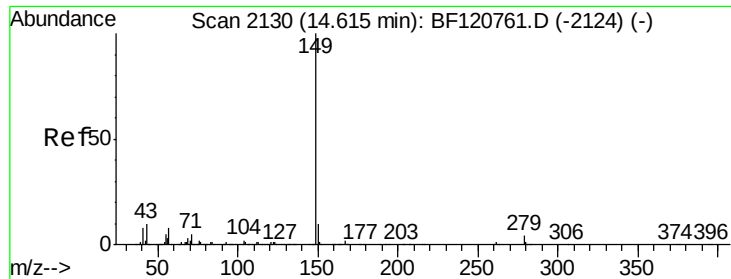
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.625 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.9	31.3
279	3.2	2.6	4.0





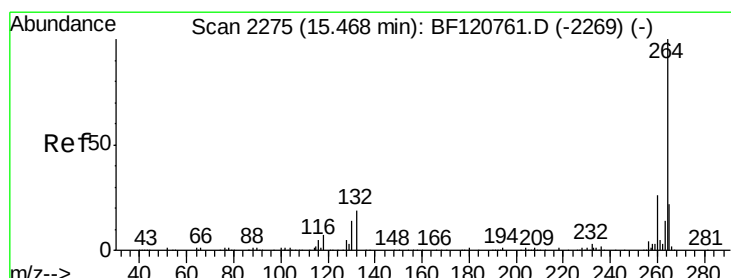
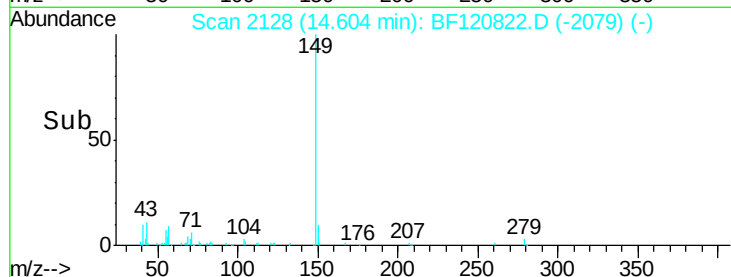
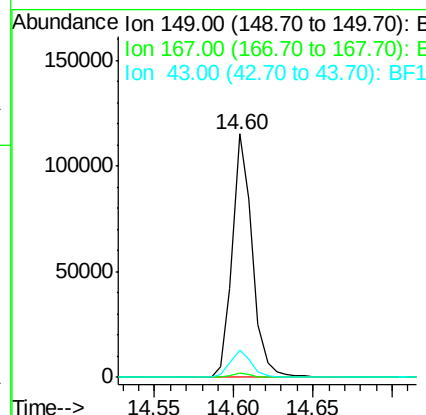
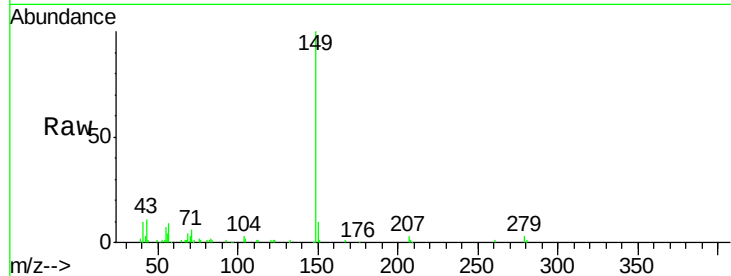
#85
Di-n-octyl phthalate
Concen: 3.888 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100	100410		
167	1.4		1.2	1.8
43	11.9		8.7	13.1

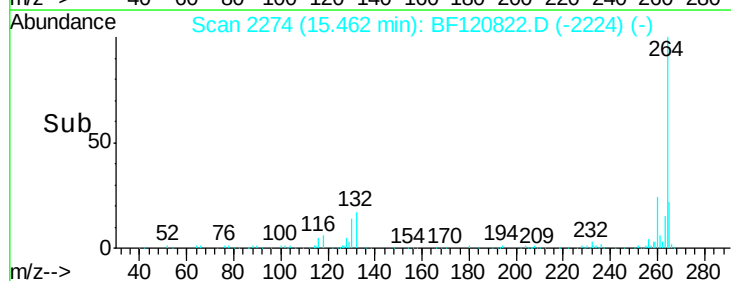
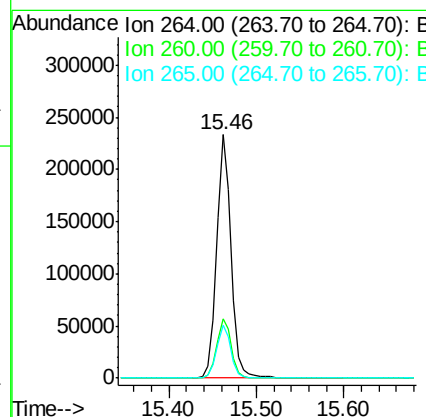
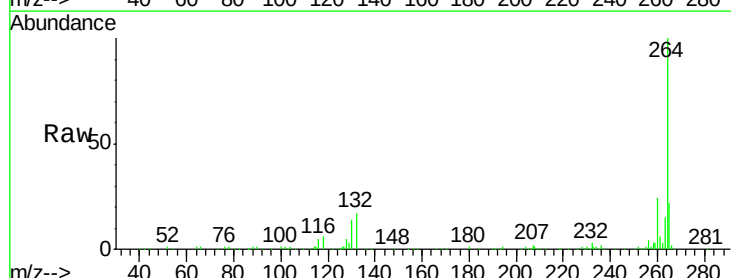
Manual Integrations
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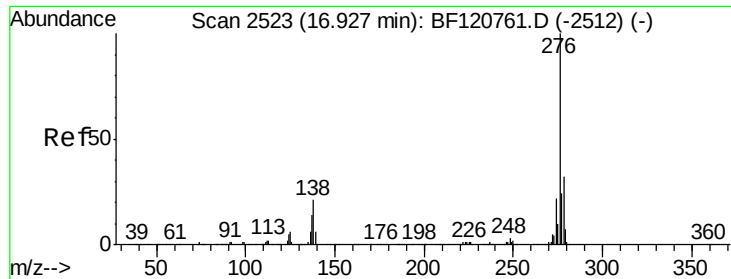
mohammad
7/13/2020 1:04:21 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	267450		
260	24.3		20.6	30.8
265	21.7		17.6	26.4





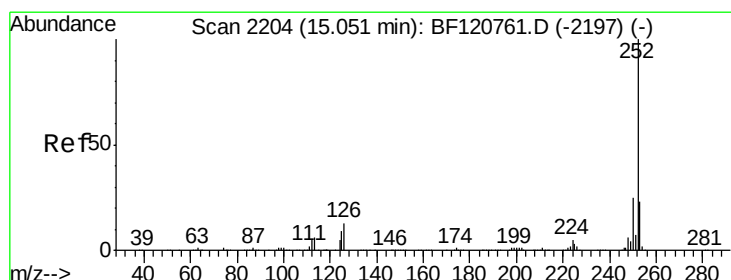
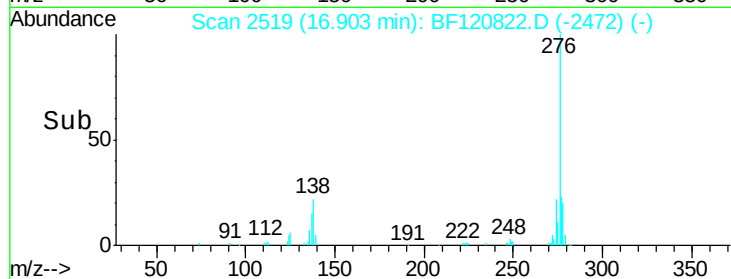
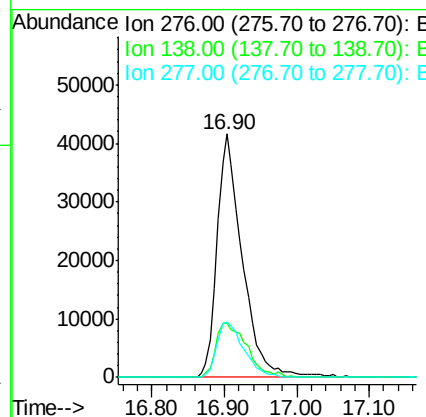
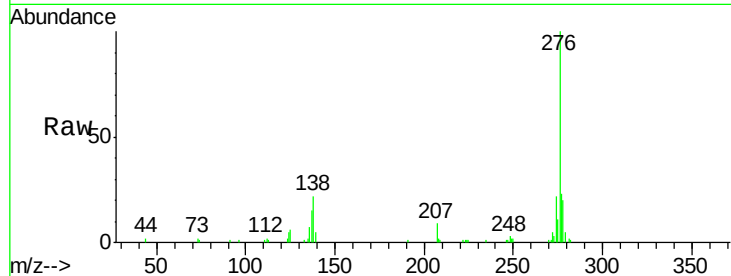
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.849 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	19.8	29.8
277	24.3	19.9	29.9

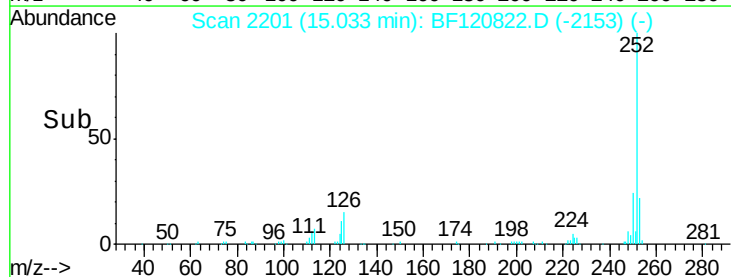
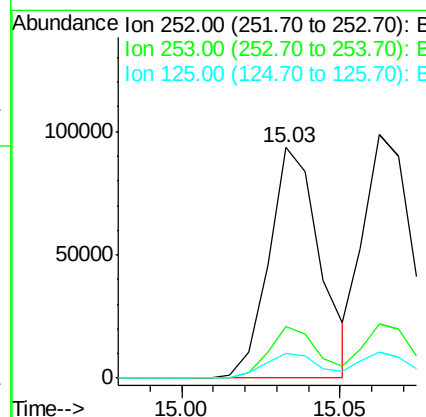
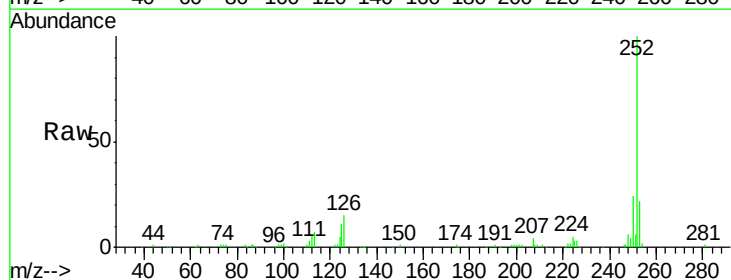
Manual Integrations
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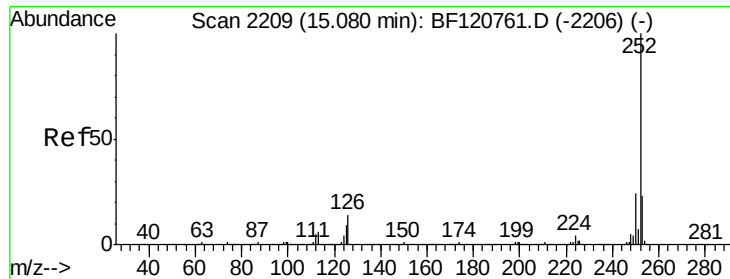
mohammad
7/13/2020 1:04:21 PM



#88
Benzo(b)fluoranthene
Concen: 5.958 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	11.0	7.5	11.3





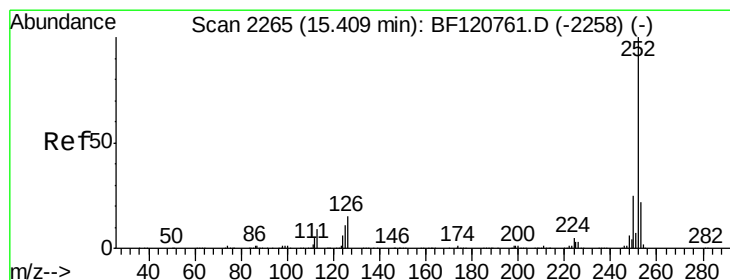
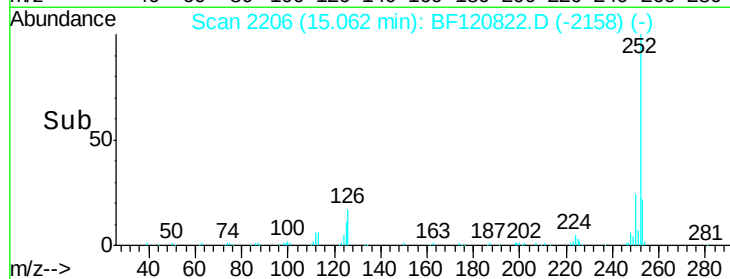
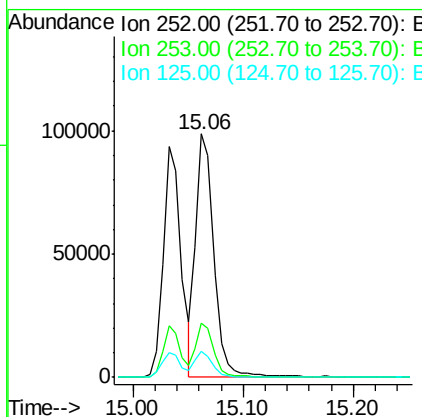
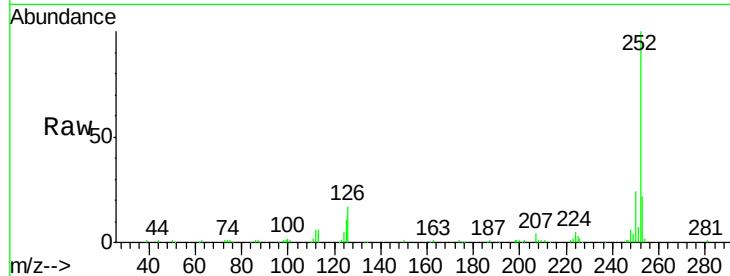
#89
Benzo(k)fluoranthene
Concen: 6.492 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	10.9	7.6	11.4

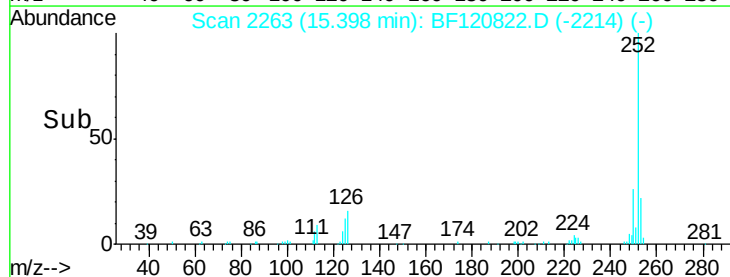
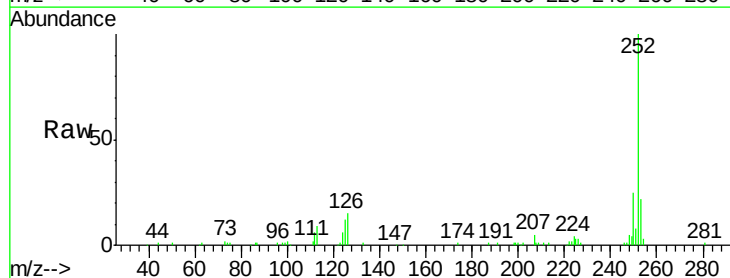
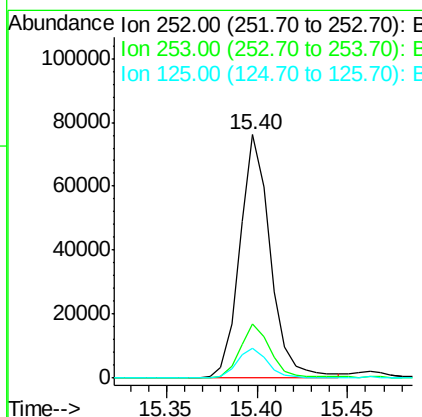
Manual Integrations
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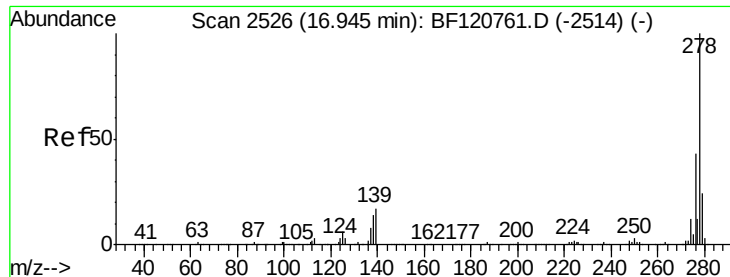
mohammad
7/13/2020 1:04:21 PM



#90
Benzo(a)pyrene
Concen: 5.687 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	12.1	9.2	13.8





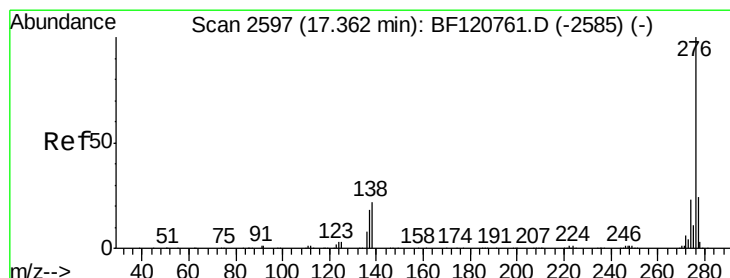
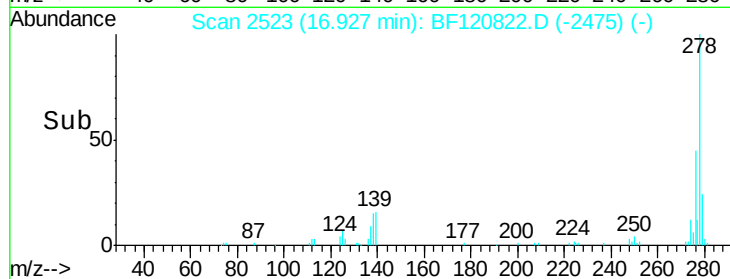
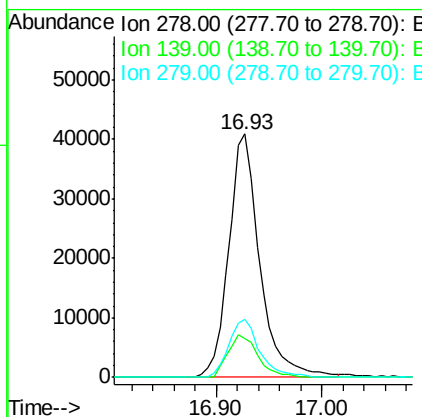
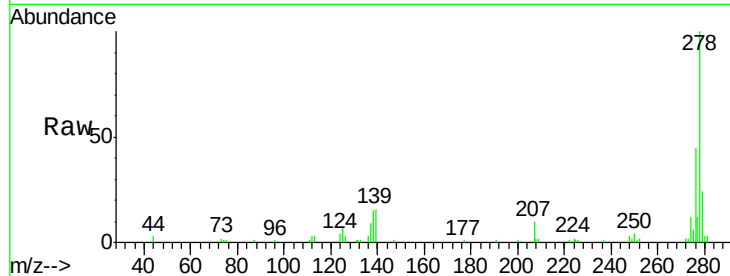
#91
 Dibenzo(a,h)anthracene
 Concen: 5.800 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.02 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.8	13.3	19.9
279	23.8	19.0	28.6

Manual Integrations
 APPROVED

mohammad
 7/13/2020 1:04:21 PM



#92
 Benzo(g,h,i)perylene
 Concen: 6.385 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.02 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	25.1	17.4	26.2

