

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116178.D
 Acq On : 11 Aug 2019 6:18
 Operator : HP/JU
 Sample : K4165-03MS
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:55:22 AM

Quant Time: Aug 12 04:40:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	149992	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	576189	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	288907	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	427409	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	278526	20.00	ng	0.00
87) Perylene-d12	15.47	264	276189	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1263251	140.99	ng	0.00
7) Phenol-d6	6.49	99	1627640	143.98	ng	0.00
23) Nitrobenzene-d5	7.41	82	1071836	107.38	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	372086	132.84	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1555763	100.86	ng	-0.01
79) Terphenyl-d14	12.94	244	1284540	97.18	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	139361	30.789	ng	97
3) Pyridine	3.43	79	364486	28.827	ng	98
4) n-Nitrosodimethylamine	3.36	42	163745	32.816	ng	98
6) Aniline	6.51	93	433281	26.764	ng	95
8) 2-Chlorophenol	6.63	128	373719	37.720	ng	99
9) Benzaldehyde	6.39	77	199298	25.552	ng	99
10) Phenol	6.50	94	472258	35.476	ng	96
11) bis(2-Chloroethyl)ether	6.58	93	371476	37.956	ng	100
12) 1,3-Dichlorobenzene	6.78	146	405240	35.391	ng	99
13) 1,4-Dichlorobenzene	6.86	146	413998	36.110	ng	98
14) 1,2-Dichlorobenzene	7.01	146	376014	35.619	ng	99
15) Benzyl Alcohol	6.99	79	311385	36.297	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	482374	36.134	ng	95
17) 2-Methylphenol	7.10	107	317539	37.850	ng	99
18) Hexachloroethane	7.35	117	143650	34.032	ng	97
19) n-Nitroso-di-n-propylamine	7.26	70	263704	37.645	ng	99
20) 3+4-Methylphenols	7.25	107	388554	39.138	ng	90
22) Acetophenone	7.25	105	515380	40.785	ng	99
24) Nitrobenzene	7.42	77	416175	38.613	ng	99
25) Isophorone	7.66	82	758002	39.713	ng	99
26) 2-Nitrophenol	7.74	139	197077	38.790	ng	99
27) 2,4-Dimethylphenol	7.77	122	338299	44.258	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	477216	40.338	ng	98
29) 2,4-Dichlorophenol	7.99	162	330425	40.941	ng	98
30) 1,2,4-Trichlorobenzene	8.06	180	355194	38.608	ng	99
31) Naphthalene	8.14	128	1072976	39.572	ng	99
32) Benzoic acid	7.91	122	99752	18.510	ng	97
33) 4-Chloroaniline	8.19	127	276879	22.855	ng	99
34) Hexachlorobutadiene	8.26	225	200244	37.788	ng	99
35) Caprolactam	8.56	113	96011m	36.782	ng	
36) 4-Chloro-3-methylphenol	8.68	107	332613	39.615	ng	99
37) 2-Methylnaphthalene	8.83	142	708234	39.661	ng	98
38) 1-Methylnaphthalene	8.93	142	654212	38.726	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	328659	42.552	ng	99

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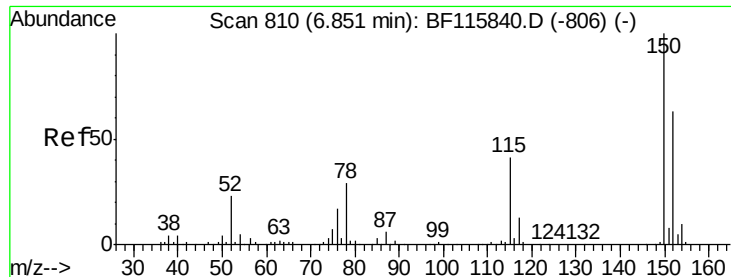
Manual Integrations
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mohammad
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.98	237	55221	20.669	ng	97
43) 2,4,6-Trichlorophenol	9.12	196	206363	38.817	ng	100
44) 2,4,5-Trichlorophenol	9.16	196	211064	38.407	ng	99
46) 1,1'-Biphenyl	9.29	154	850693	41.707	ng	99
47) 2-Chloronaphthalene	9.32	162	663825	39.103	ng	99
48) 2-Nitroaniline	9.42	65	211607	37.711	ng	97
49) Acenaphthylene	9.73	152	983234	39.700	ng	99
50) Dimethylphthalate	9.59	163	1151877	58.556	ng	99
51) 2,6-Dinitrotoluene	9.66	165	170322	39.842	ng	96
52) Acenaphthene	9.91	154	583889	38.429	ng	99
53) 3-Nitroaniline	9.83	138	153733	29.104	ng	98
54) 2,4-Dinitrophenol	9.96	184	24674	18.052	ng	93
55) Dibenzofuran	10.08	168	844421	38.216	ng	100
56) 4-Nitrophenol	10.01	139	214556	63.407	ng	92
57) 2,4-Dinitrotoluene	10.07	165	201401	35.385	ng	97
58) Fluorene	10.42	166	662763	38.986	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	159804	34.564	ng	98
60) Diethylphthalate	10.29	149	756843	41.210	ng	99
61) 4-Chlorophenyl-phenylether	10.41	204	346136	40.203	ng	100
62) 4-Nitroaniline	10.45	138	168499	30.867	ng	98
63) Azobenzene	10.57	77	732956	38.801	ng	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	32825	14.492	ng	83
66) n-Nitrosodiphenylamine	10.53	169	600570	46.684	ng	100
67) 4-Bromophenyl-phenylether	10.90	248	203461	44.468	ng	97
68) Hexachlorobenzene	10.98	284	211193	39.918	ng	93
69) Atrazine	11.06	200	183276	43.305	ng	99
70) Pentachlorophenol	11.17	266	165232	64.327	ng	98
71) Phenanthrene	11.39	178	877503	40.160	ng	99
72) Anthracene	11.44	178	910249	41.163	ng	99
73) Carbazole	11.59	167	800180	39.885	ng	99
74) Di-n-butylphthalate	11.92	149	1103145	47.136	ng	98
75) Fluoranthene	12.57	202	830702	36.315	ng	99
77) Benzidine	12.70	184	503234	53.480	ng	99
78) Pyrene	12.80	202	834851	39.763	ng	99
80) Butylbenzylphthalate	13.41	149	392330	44.175	ng	99
81) Benzo(a)anthracene	13.99	228	715461	40.189	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	271672	43.925	ng	99
83) Chrysene	14.03	228	699939	40.498	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	577470	50.036	ng	98
85) Di-n-octyl phthalate	14.57	149	929584	50.710	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	584443	40.261	ng	100
88) Benzo(b)fluoranthene	15.04	252	668369	41.853	ng	99
89) Benzo(k)fluoranthene	15.07	252	615917	39.597	ng	99
90) Benzo(a)pyrene	15.41	252	602774	42.224	ng	99
91) Dibenzo(a,h)anthracene	16.94	278	502546	40.669	ng	99
92) Benzo(g,h,i)perylene	17.39	276	460690	37.961	ng	98

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



#1

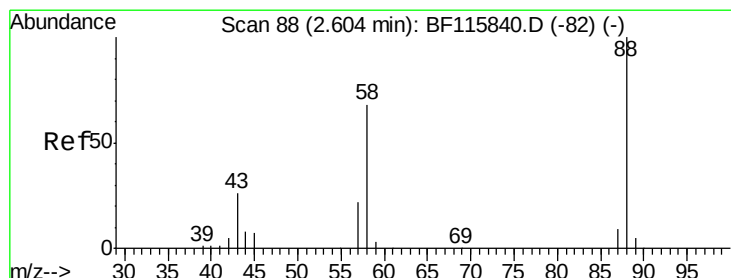
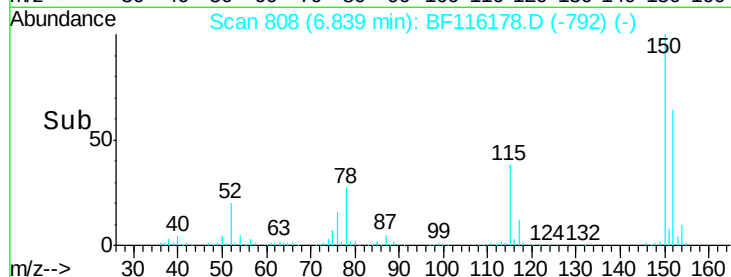
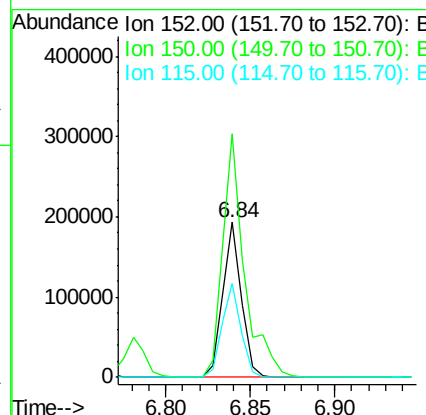
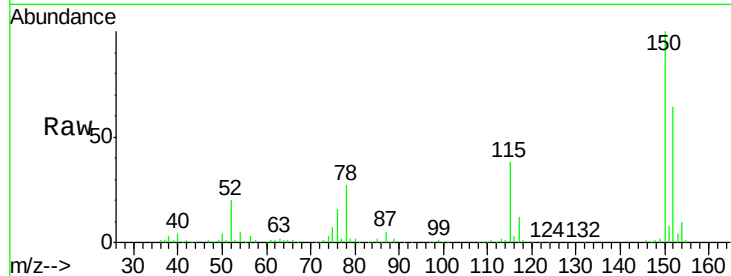
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	60.5	49.9	74.9

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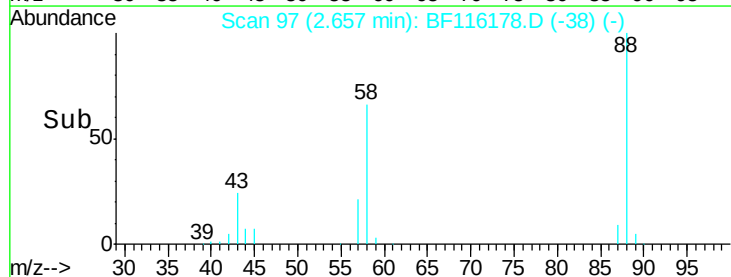
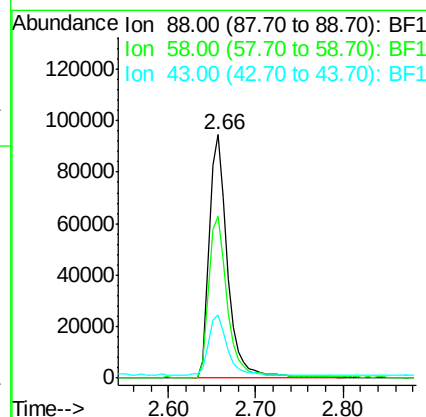
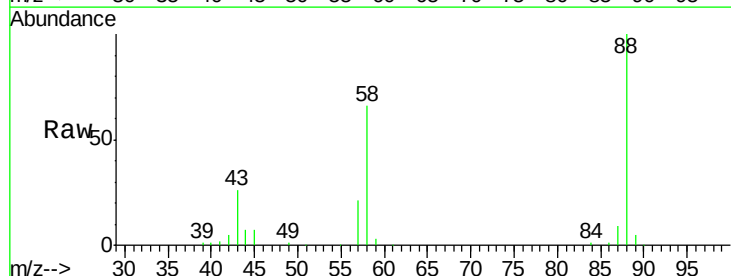
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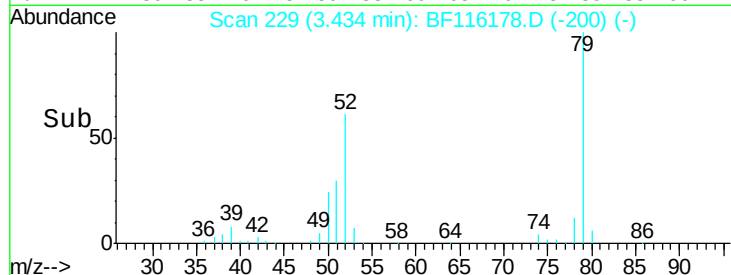
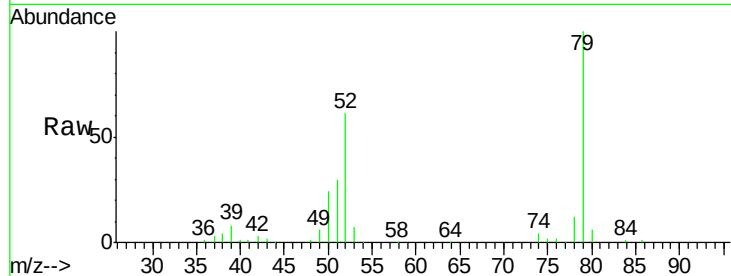
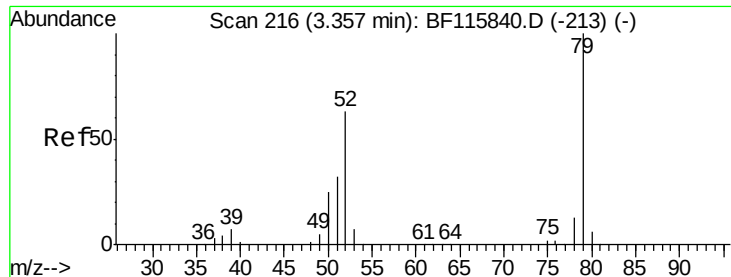


#2

1,4-Dioxane
Concen: 30.789 ng
RT: 2.66 min Scan# 97
Delta R.T. 0.05 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.2	53.7	80.5
43	24.8	21.0	31.4





#3

Pvridine

Concen: 28.827 ng

RT: 3.43 min Scan# 229

Delta R.T. 0.07 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tot Ion:	79	Resp:	364486
Ion Ratio	Lower	Upper	
79	100		
52	60.7	49.8	74.8
51	30.5	25.2	37.8

Instrument :

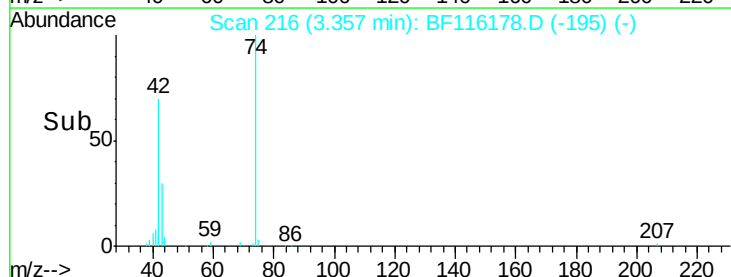
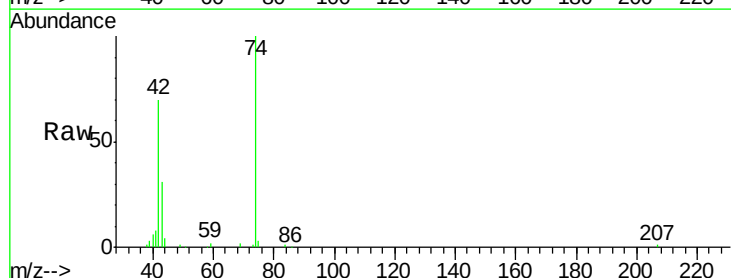
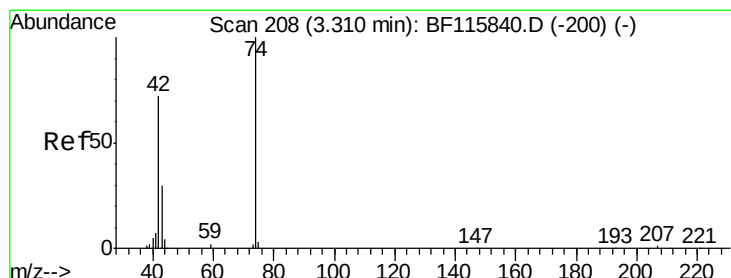
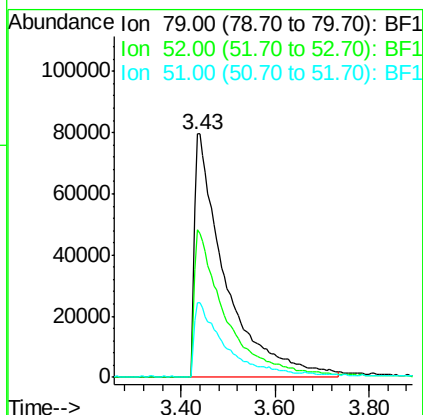
BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMS

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 32.816 ng

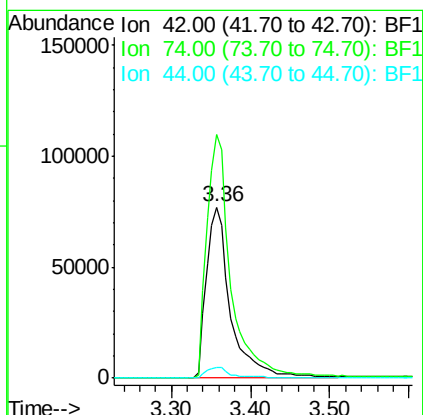
RT: 3.36 min Scan# 216

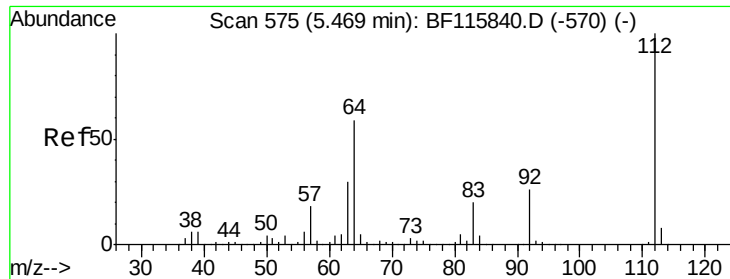
Delta R.T. 0.02 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion:	42	Resp:	163745
Ion Ratio	Lower	Upper	
42	100		
74	142.5	116.0	174.0
44	6.0	4.6	7.0





#5

2-Fluorophenol

Concen: 140.992 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

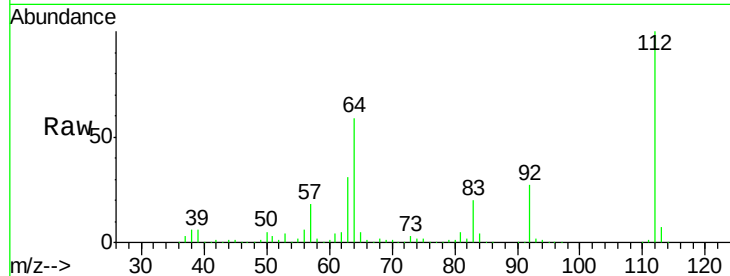
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion:	112	Resp:	1263251
Ion Ratio	Lower	Upper	
112	100		
64	59.0	45.4	68.2
63	30.7	23.7	35.5

Manual Integrations
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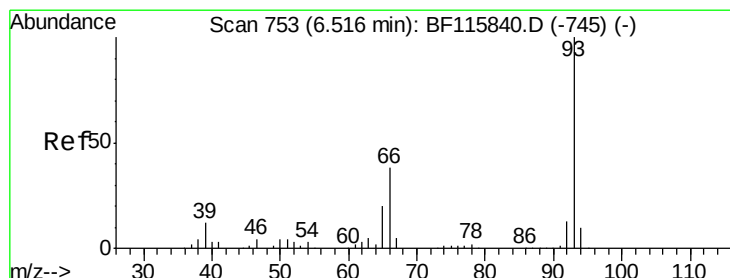
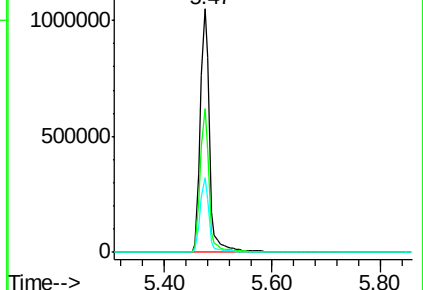
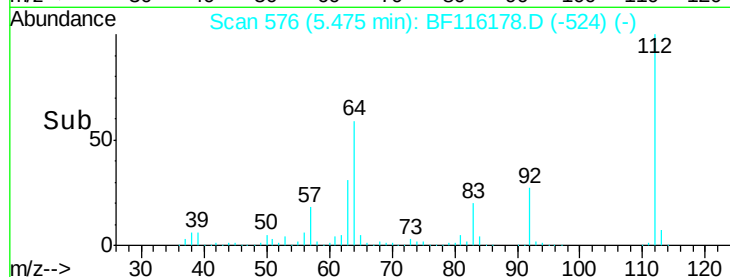
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Abundance Ion 112.00 (111.70 to 112.70): BF116178.D (-524) (-)

Ion 64.00 (63.70 to 64.70): BF116178.D (-524) (-)

Ion 63.00 (62.70 to 63.70): BF116178.D (-524) (-)



#6

Aniline

Concen: 26.764 ng

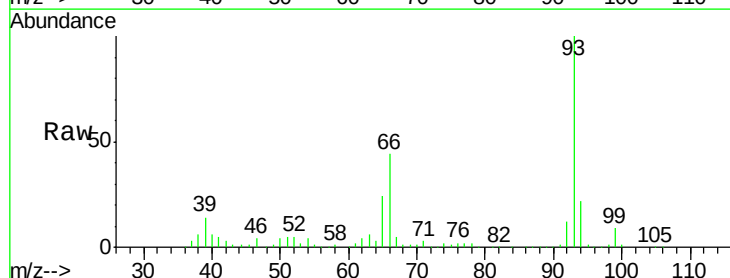
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

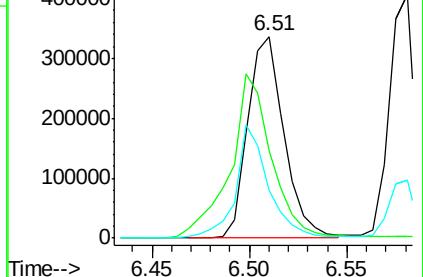
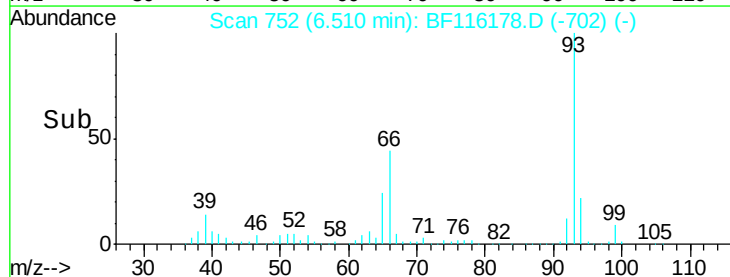
Tgt Ion:	93	Resp:	433281
Ion Ratio	Lower	Upper	
93	100		
66	43.6	32.2	48.4
65	23.6	17.0	25.6

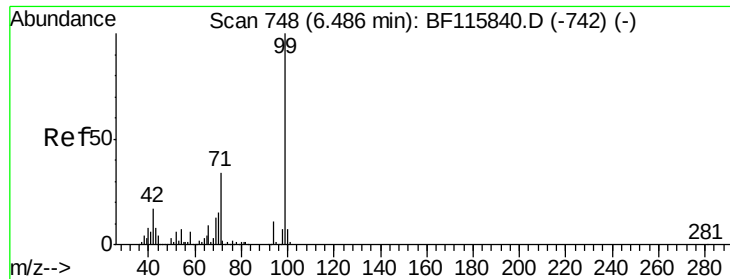


Abundance Ion 93.00 (92.70 to 93.70): BF116178.D (-702) (-)

Ion 66.00 (65.70 to 66.70): BF116178.D (-702) (-)

Ion 65.00 (64.70 to 65.70): BF116178.D (-702) (-)





#7

Phenol-d6

Concen: 143.984 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion: 99 Resp: 1627640

Ion Ratio Lower Upper

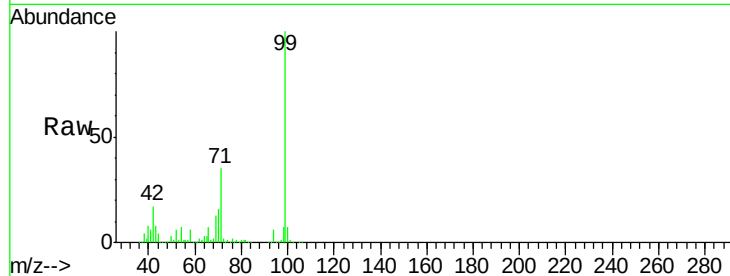
99 100

42 17.1 13.8 20.8

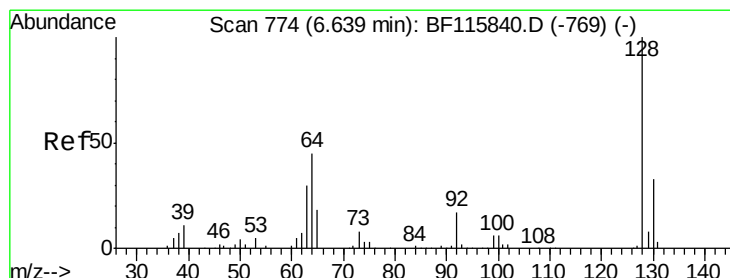
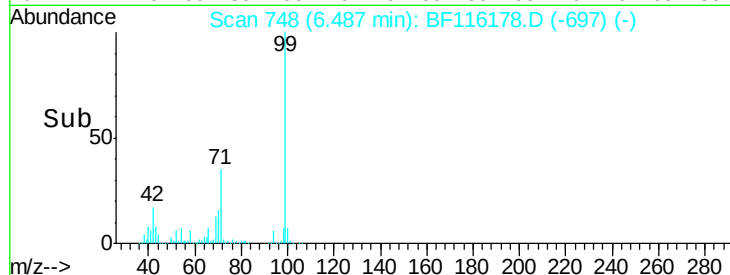
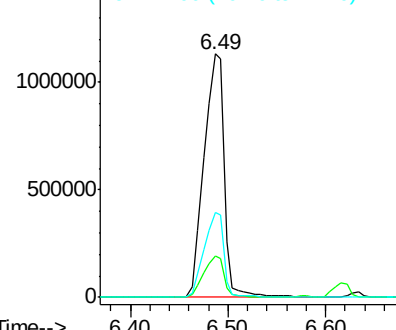
71 35.1 27.3 40.9

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



#8

2-Chlorophenol

Concen: 37.720 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

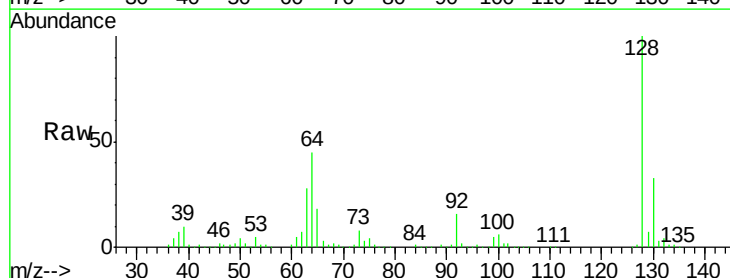
Tgt Ion: 128 Resp: 373719

Ion Ratio Lower Upper

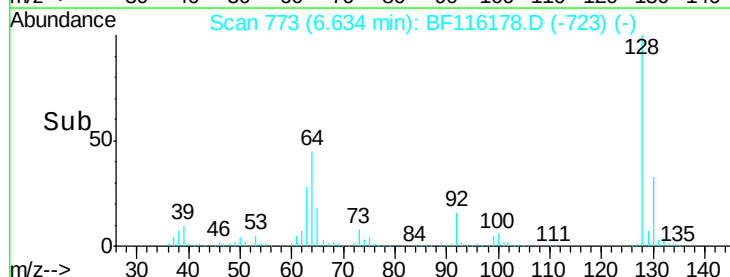
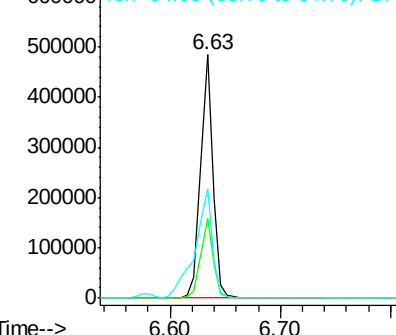
128 100

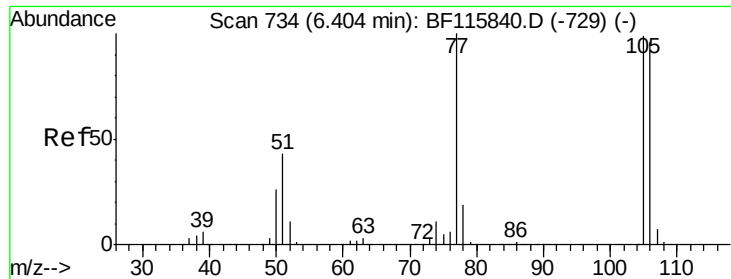
130 32.6 12.9 52.9

64 44.9 24.3 64.3



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





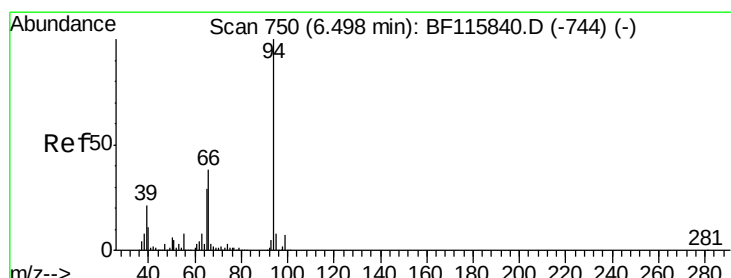
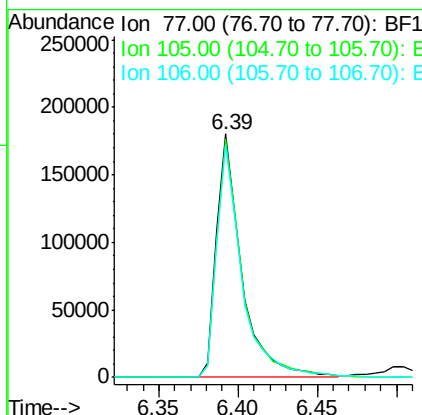
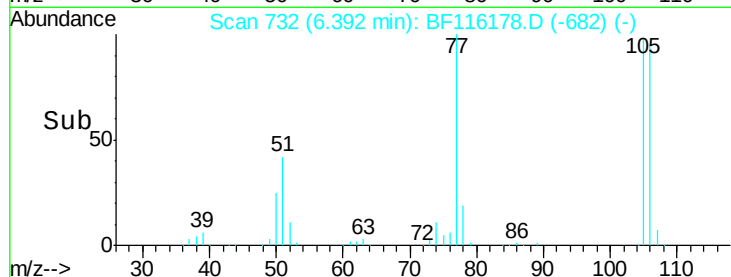
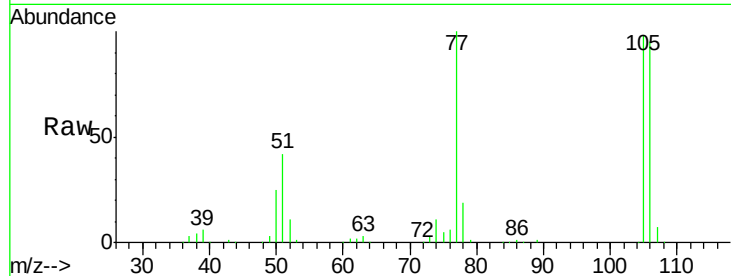
#9
Benzaldehyde
Concen: 25.552 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	97.8	79.2	119.2		
106	95.5	74.3	114.3		

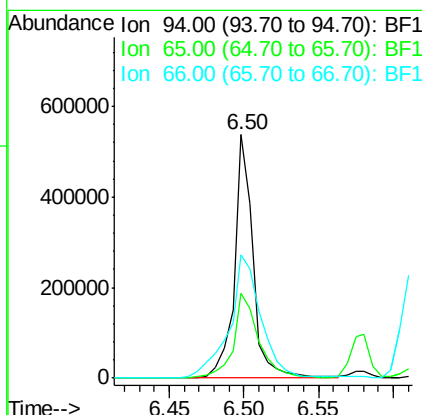
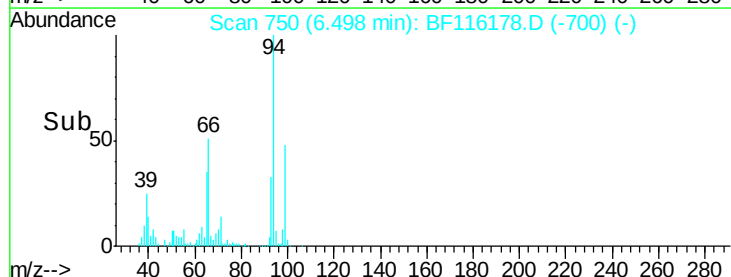
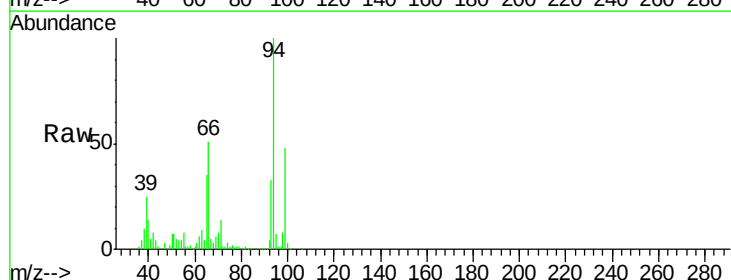
Manual Integrations
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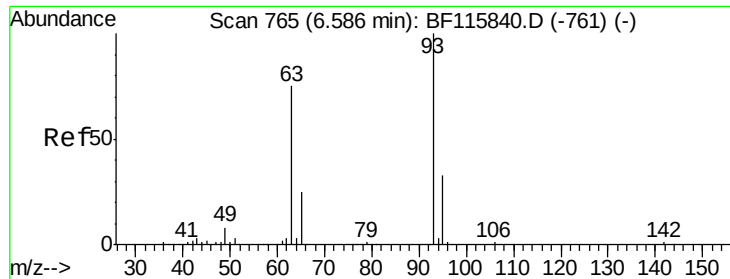
mohammad
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#10
Phenol
Concen: 35.476 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	35.0	16.8	56.8		
66	50.8	34.2	74.2		





#11

bis(2-Chloroethyl)ether

Concen: 37.956 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

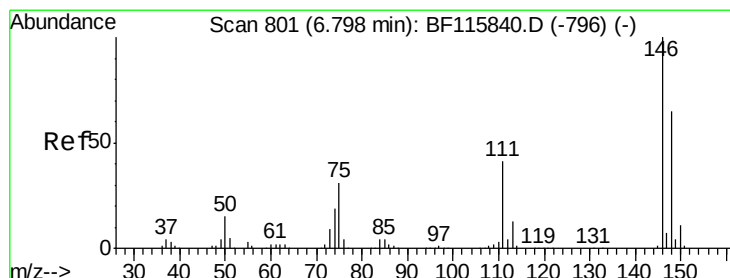
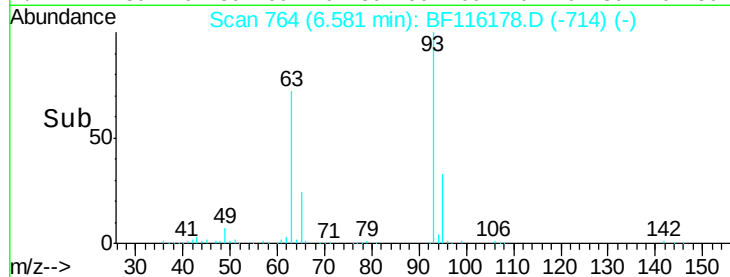
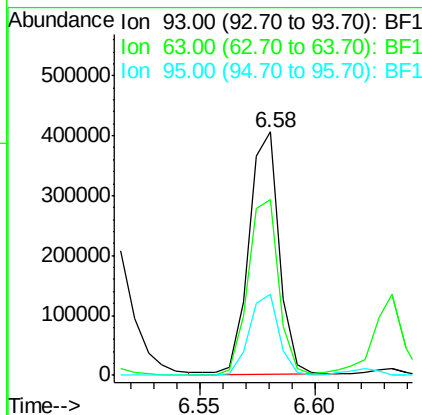
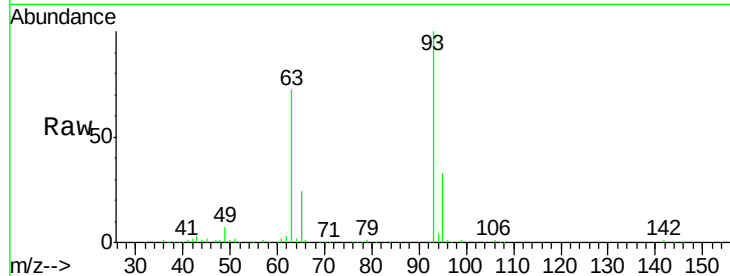
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion:	93	Resp:	371476
Ion Ratio	Lower	Upper	
93	100		
63	72.0	51.9	91.9
95	33.2	13.0	53.0

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#12

1,3-Dichlorobenzene

Concen: 35.391 ng

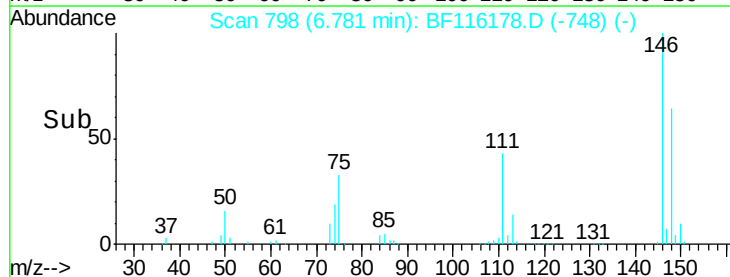
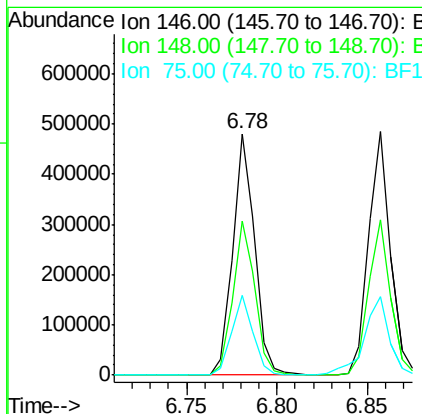
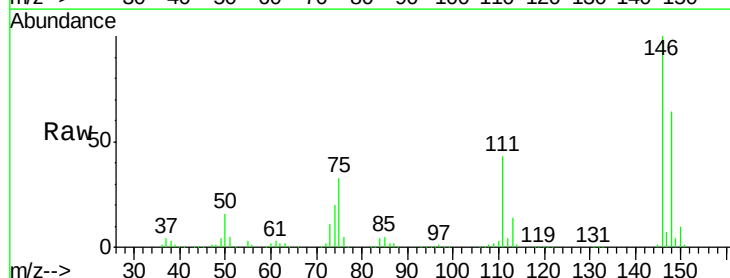
RT: 6.78 min Scan# 798

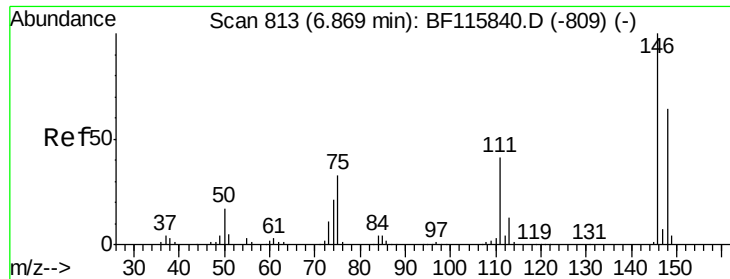
Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion:	146	Resp:	405240
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.3	76.9
75	33.2	27.4	41.2





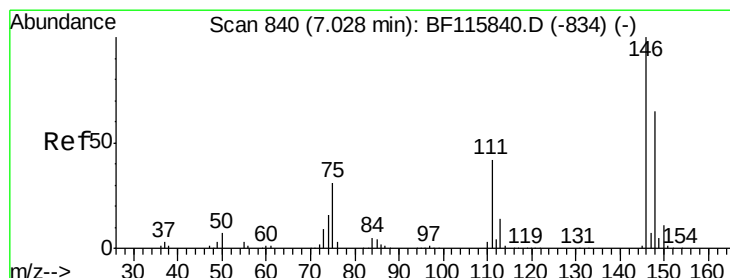
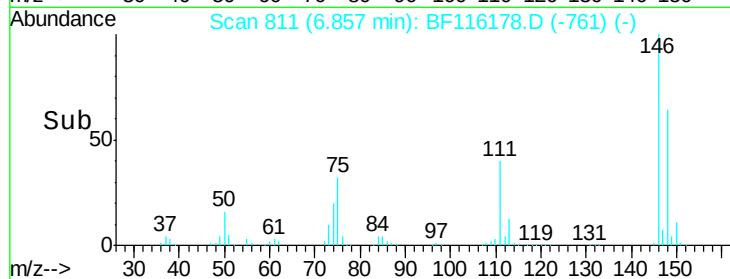
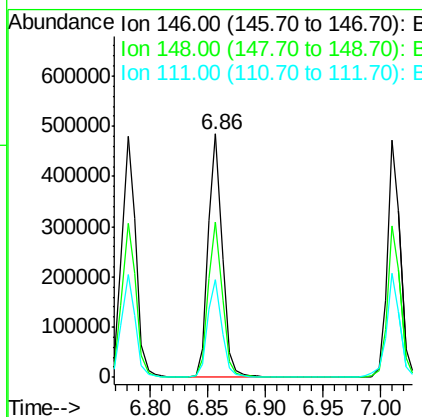
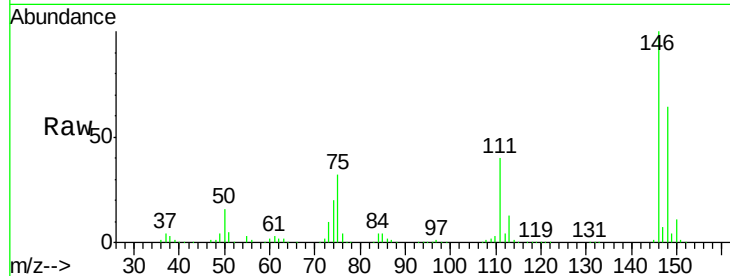
#13
 1,4-Dichlorobenzene
 Concen: 36.110 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		413998		
148	63.9	51.3		76.9	
111	40.2	34.0		51.0	

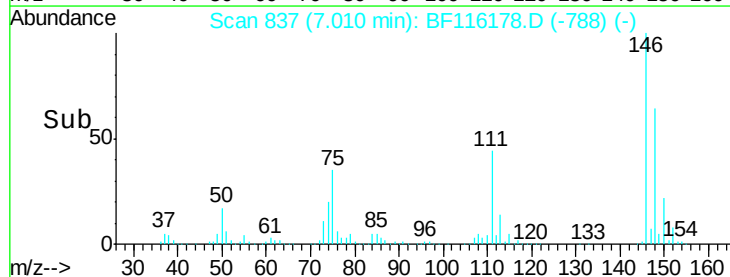
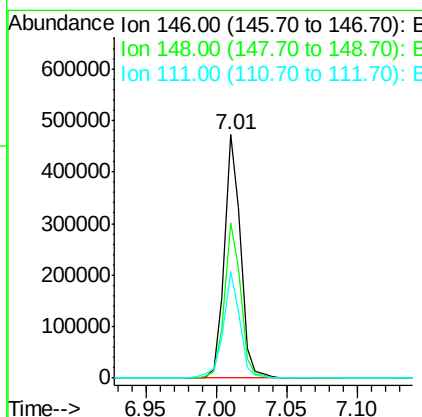
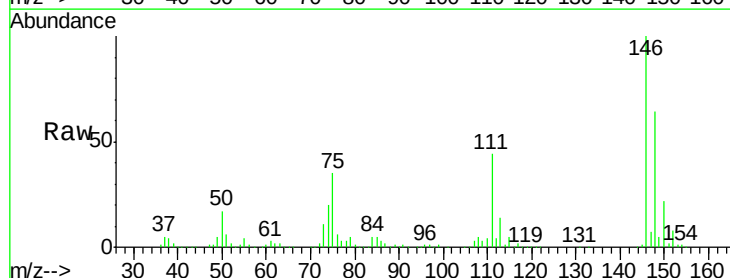
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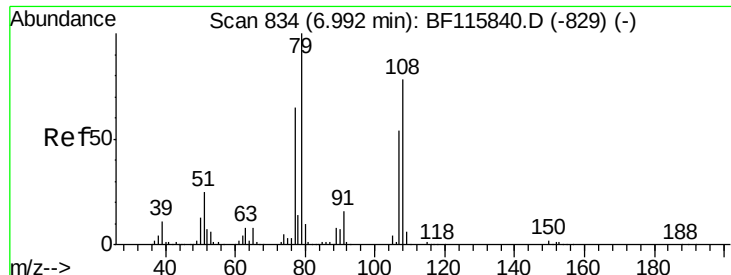
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#14
 1,2-Dichlorobenzene
 Concen: 35.619 ng
 RT: 7.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		376014		
148	63.9	51.2		76.8	
111	44.1	33.5		50.3	





#15

Benzyl Alcohol

Concen: 36.297 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

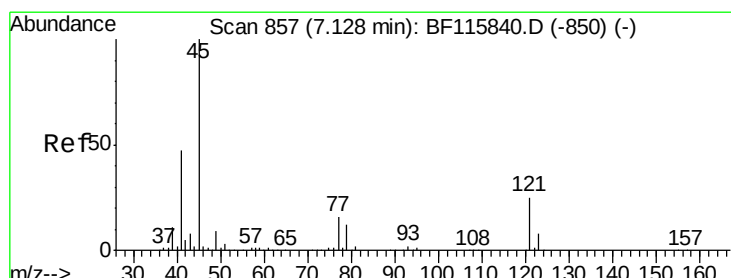
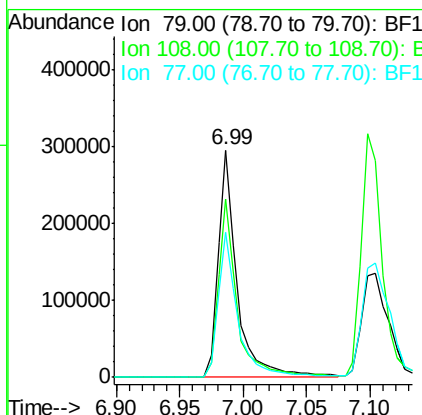
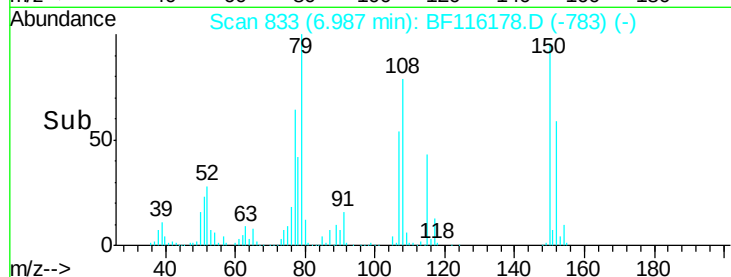
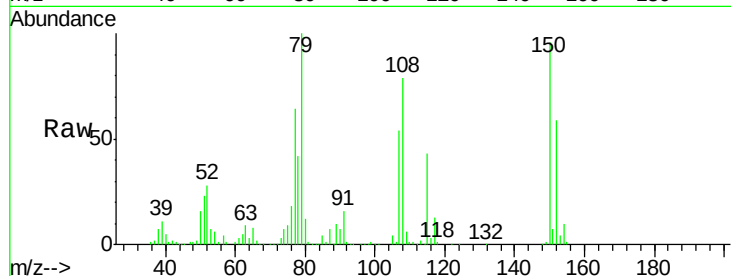
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion:	79	Resp:	311385
Ion Ratio	Lower	Upper	
79	100		
108	78.8	62.7	94.1
77	64.0	52.2	78.2

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.134 ng

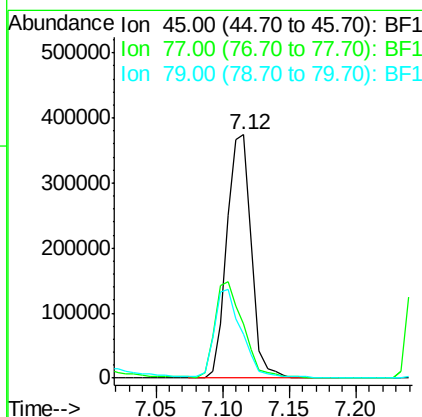
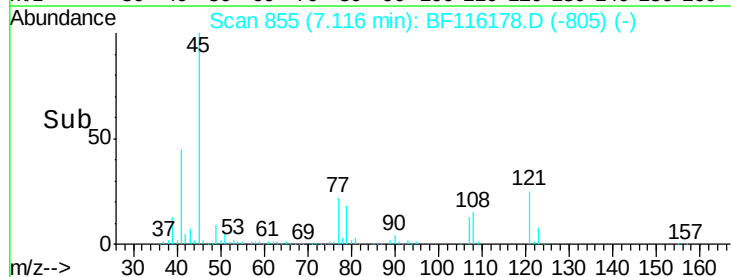
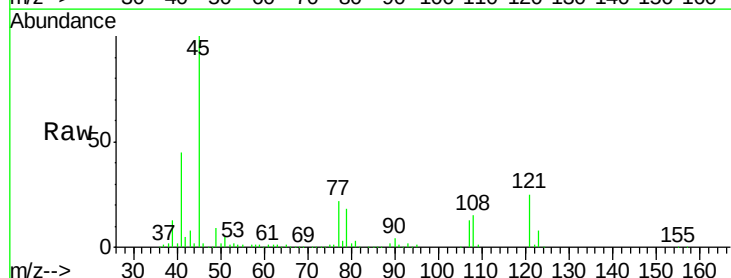
RT: 7.12 min Scan# 855

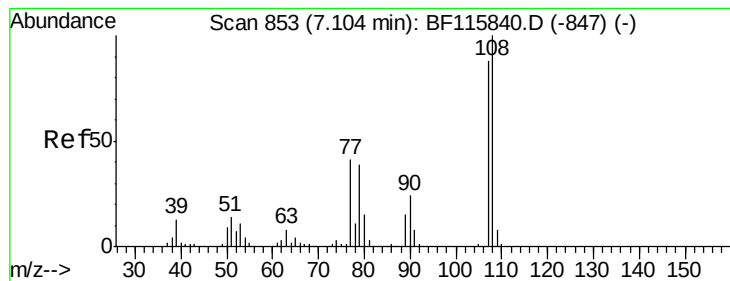
Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion:	45	Resp:	482374
Ion Ratio	Lower	Upper	
45	100		
77	22.2	0.0	40.0
79	18.1	0.0	35.9





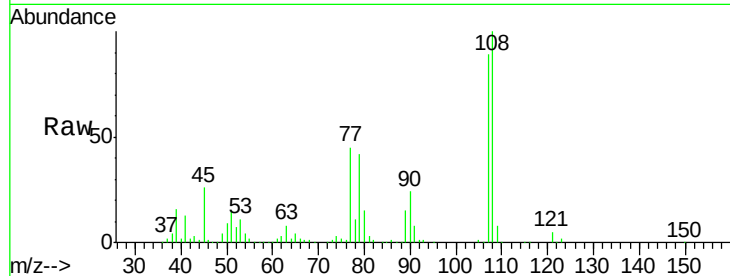
#17
2-Methylphenol
Concen: 37.850 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

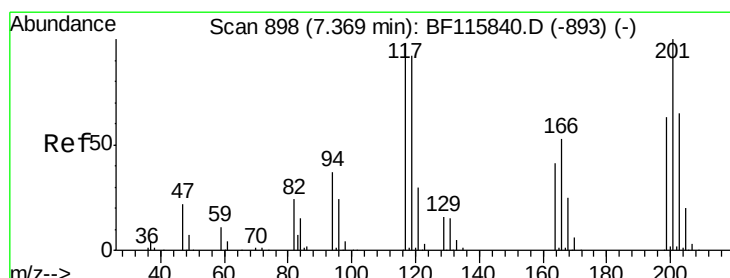
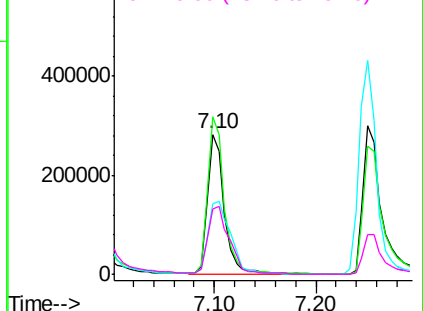
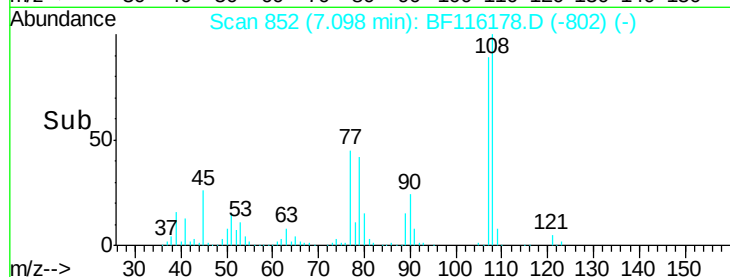
Tot Ion	107	Resp	317539
Ion Ratio	Lower	Upper	
107	100		
108	112.2	91.2	136.8
77	50.6	40.3	60.5
79	46.9	37.6	56.4

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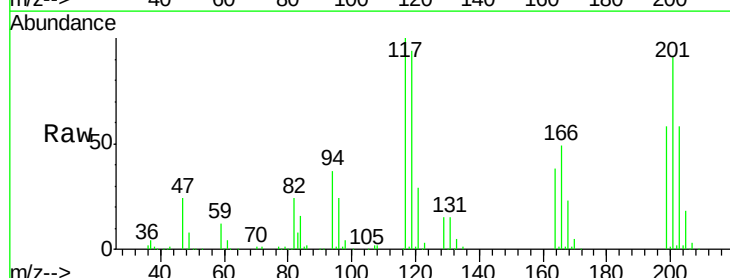


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

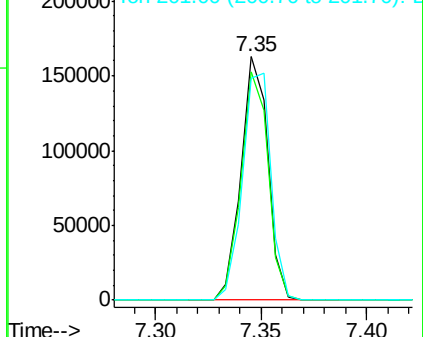
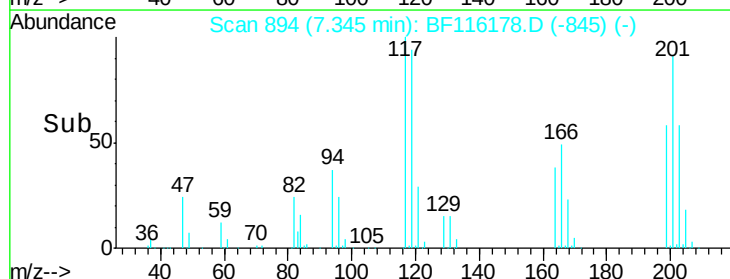


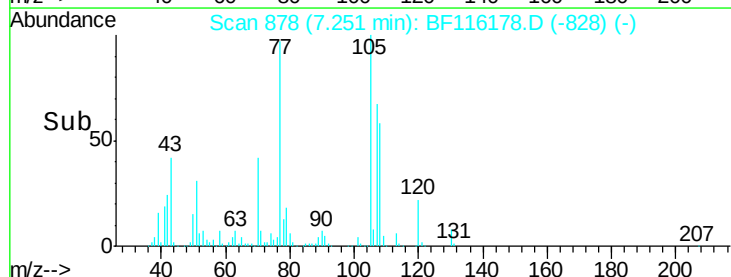
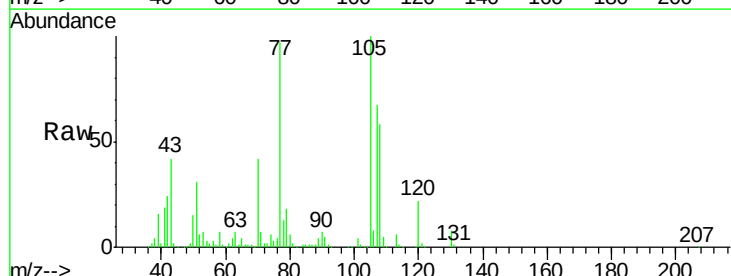
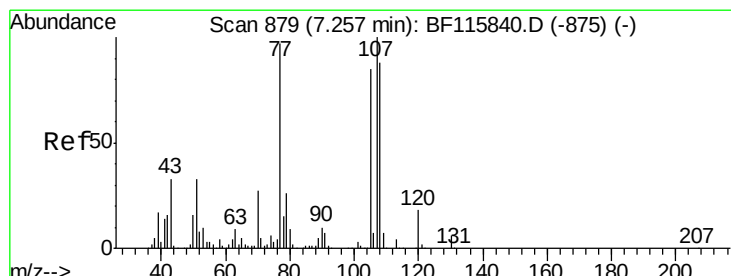
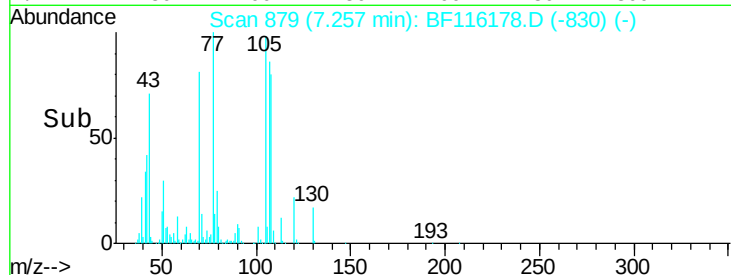
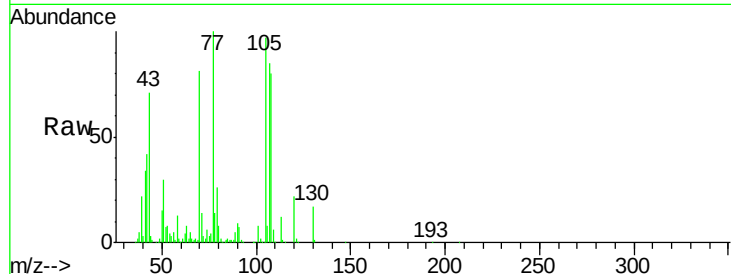
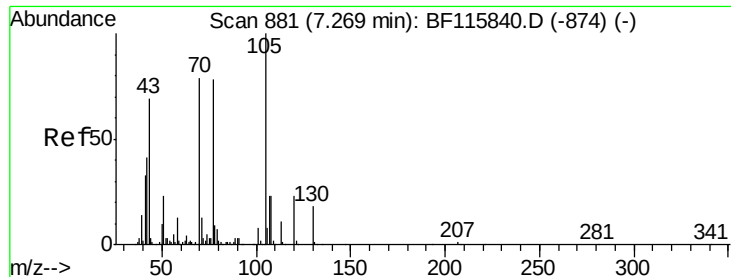
#18
Hexachloroethane
Concen: 34.032 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	117	Resp	143650
Ion Ratio	Lower	Upper	
117	100		
119	93.6	76.1	114.1
201	90.9	77.0	115.4



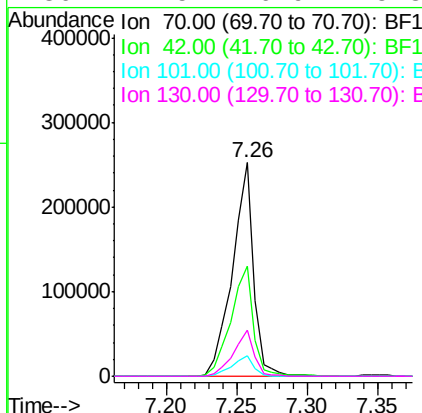
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 37.645 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tot Ion	Ratio	Lower	Upper
70	100		
42	51.3	40.9	61.3
101	9.5	7.9	11.9
130	21.5	16.9	25.3



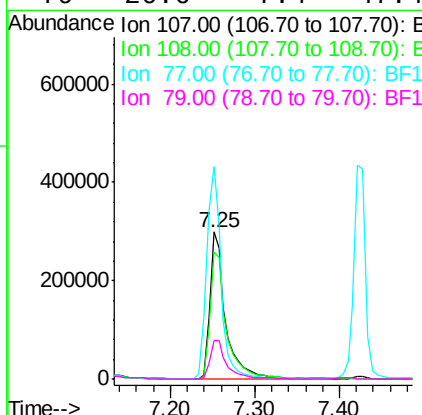
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

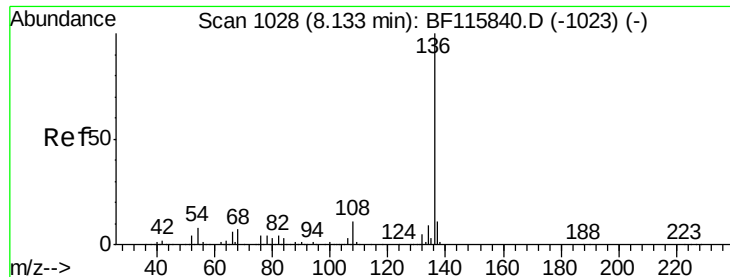
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#20
3+4-Methylphenols
Concen: 39.138 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.4	67.6	107.6
77	144.2	104.4	144.4
79	26.6	7.4	47.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

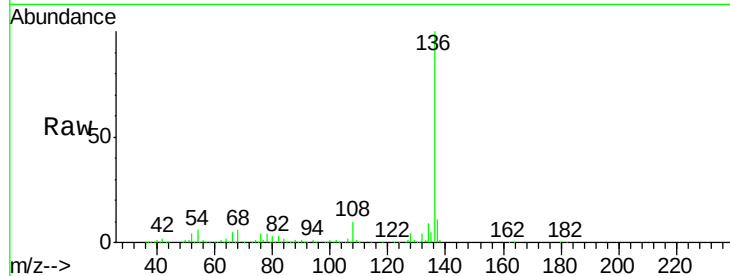
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	576189		
137	10.9		9.0	13.4
54	6.4		5.8	8.6
68	5.8		5.2	7.8

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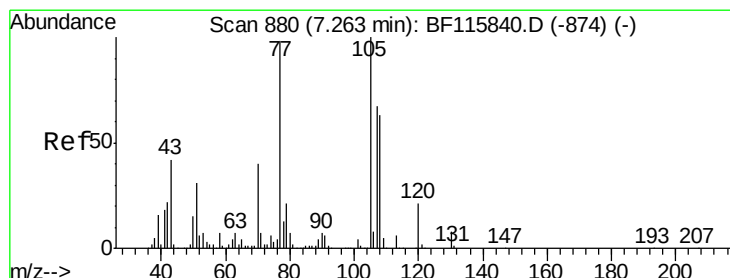
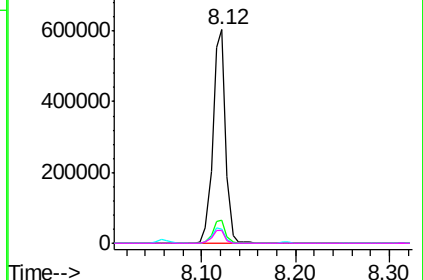
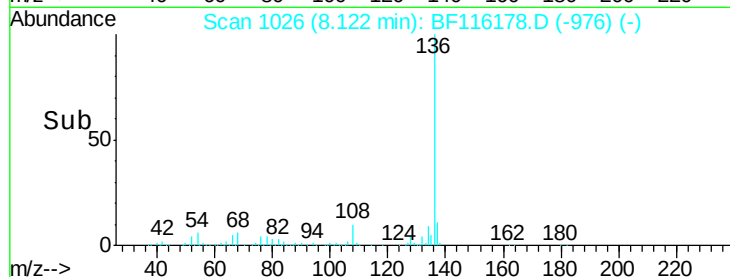


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.785 ng

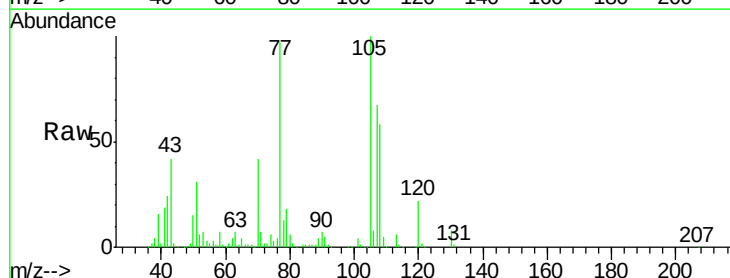
RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	515380		
71	7.2		5.9	8.9
51	31.0		25.3	37.9
120	22.1		17.9	26.9

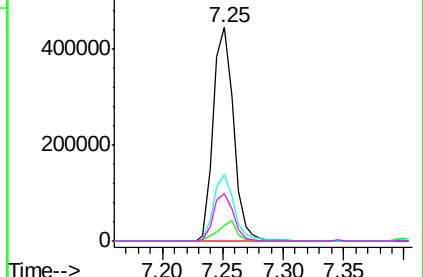
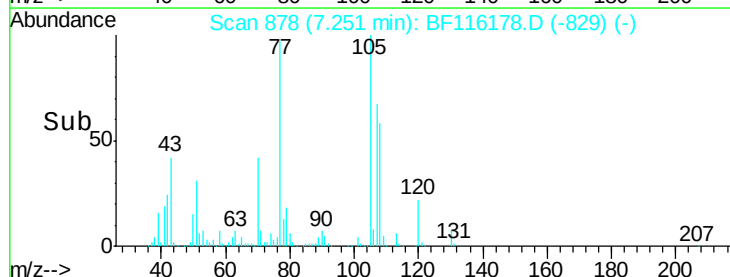


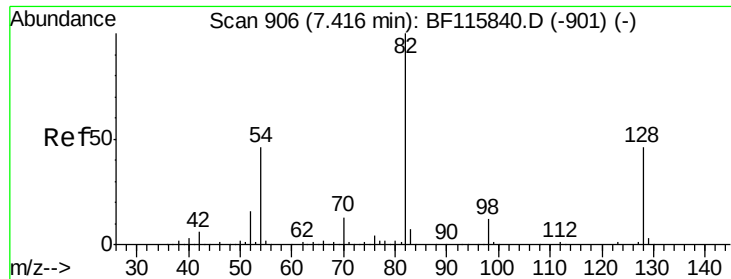
Abundance Ion 105.00 (104.70 to 105.70): E

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





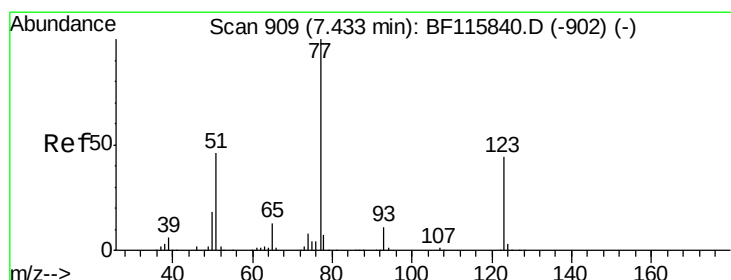
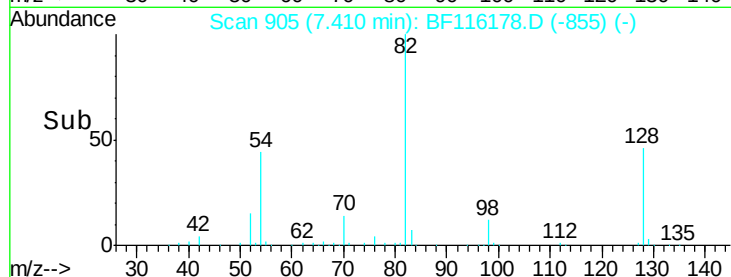
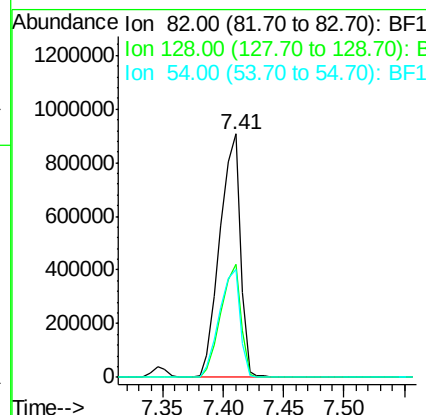
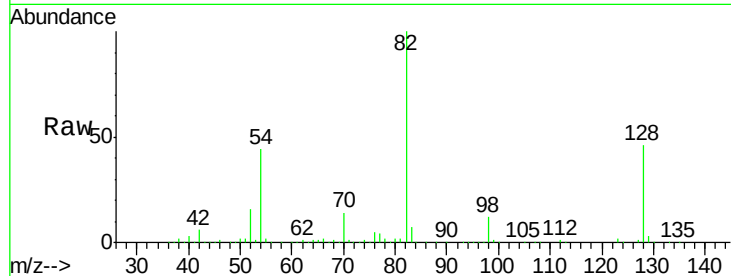
#23
 Nitrobenzene-d5
 Concen: 107.377 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion	82	Resp	1071836
Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.5	54.7
54	44.2	36.0	54.0

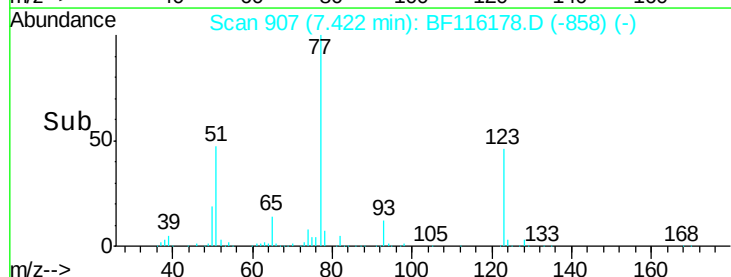
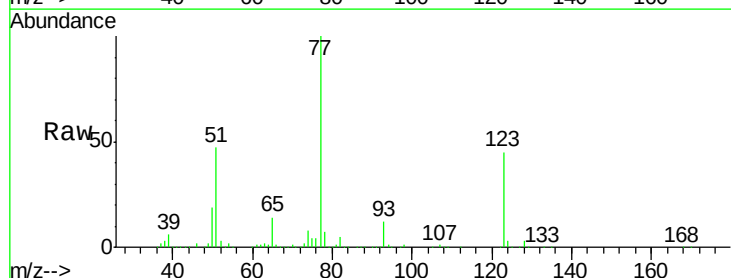
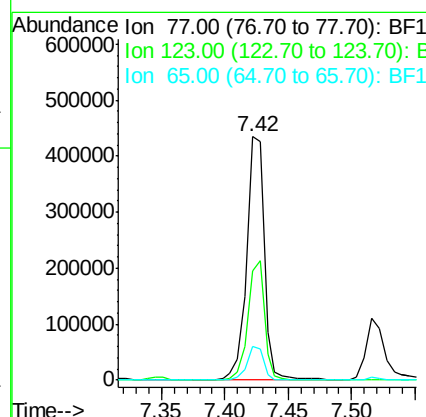
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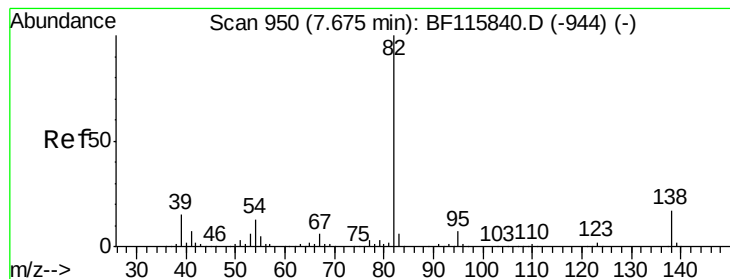
mohammad
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#24
 Nitrobenzene
 Concen: 38.613 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion	77	Resp	416175
Ion	Ratio	Lower	Upper
77	100		
123	45.0	36.7	55.1
65	13.7	10.6	16.0





#25

Isophorone

Concen: 39.713 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

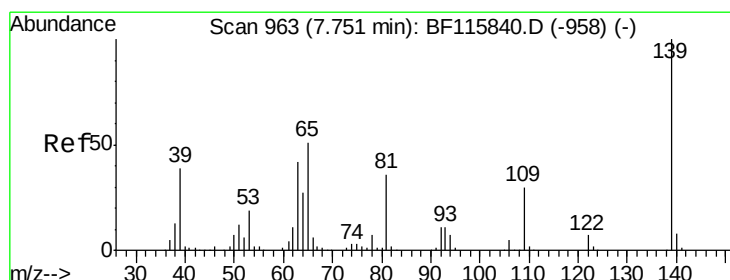
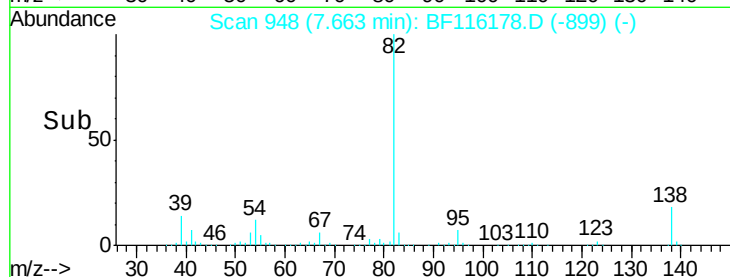
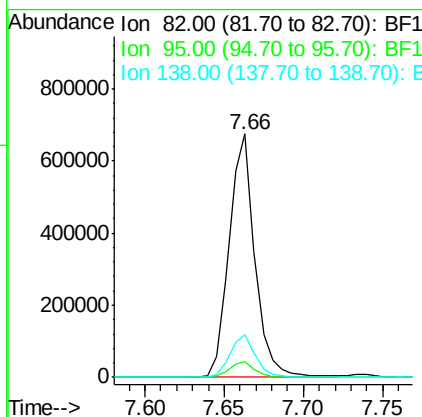
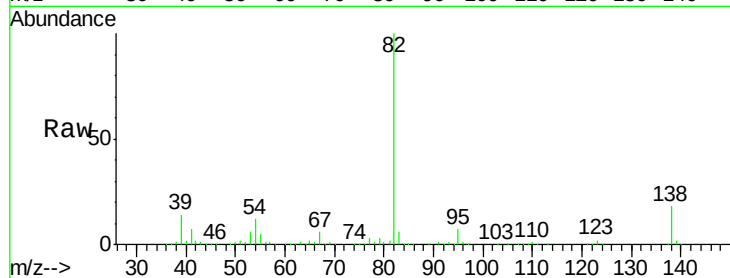
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion:	82	Resp:	758002
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.4	8.0
138	17.7	14.5	21.7

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#26

2-Nitrophenol

Concen: 38.790 ng

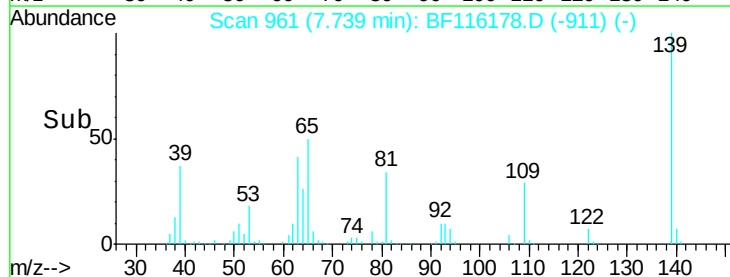
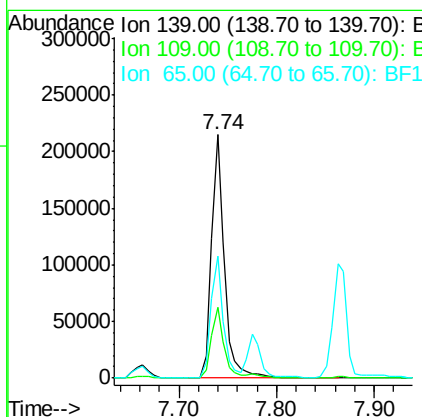
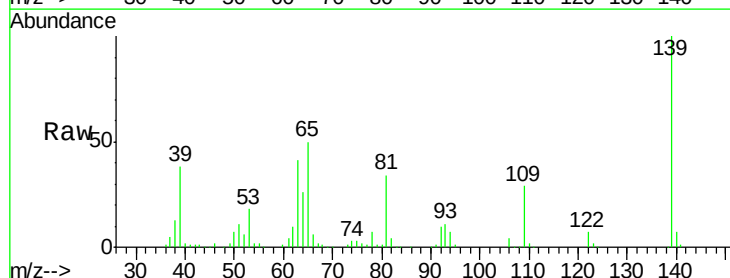
RT: 7.74 min Scan# 961

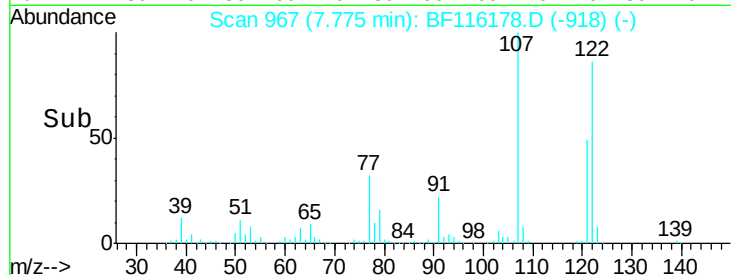
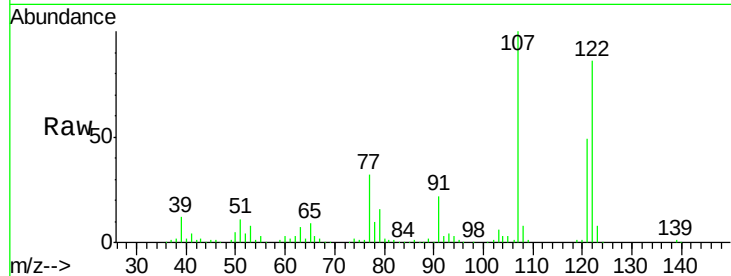
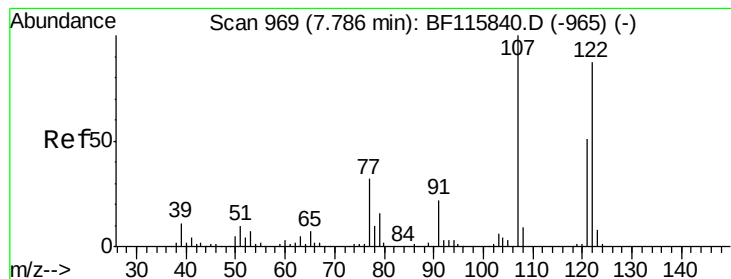
Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion:	139	Resp:	197077
Ion Ratio	Lower	Upper	
139	100		
109	29.0	23.4	35.2
65	50.1	41.1	61.7





#27

2,4-Dimethylphenol

Concen: 44.258 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tot Ion:	122	Resp:	338299
Ion Ratio	Lower	Upper	
122	100		
107	116.7	93.0	139.6
121	57.7	47.6	71.4

Instrument :

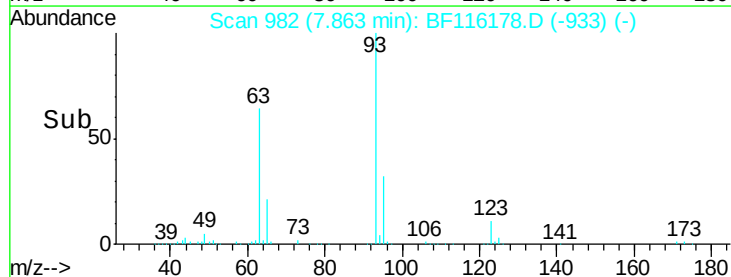
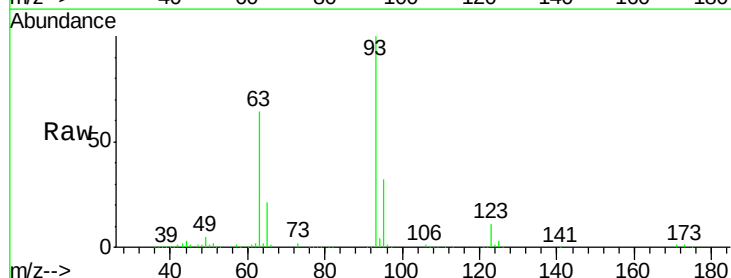
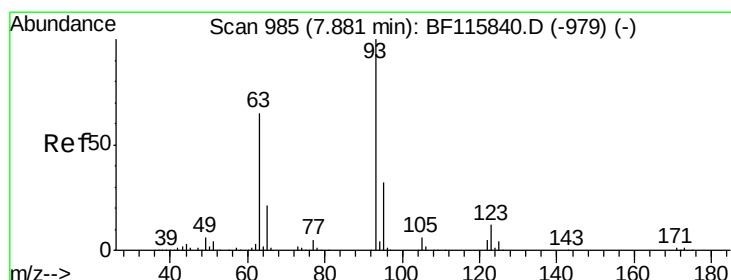
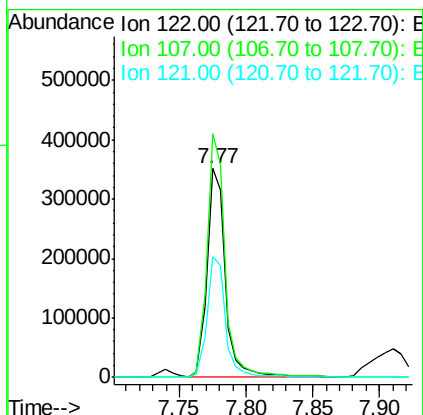
BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMS

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#28

bis(2-Chloroethoxy)methane

Concen: 40.338 ng

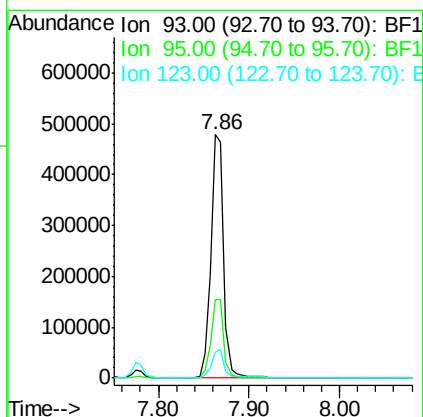
RT: 7.86 min Scan# 982

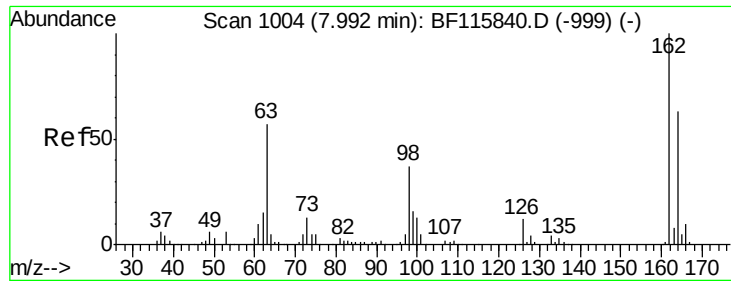
Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion:	93	Resp:	477216
Ion Ratio	Lower	Upper	
93	100		
95	32.0	26.2	39.4
123	10.7	9.2	13.8





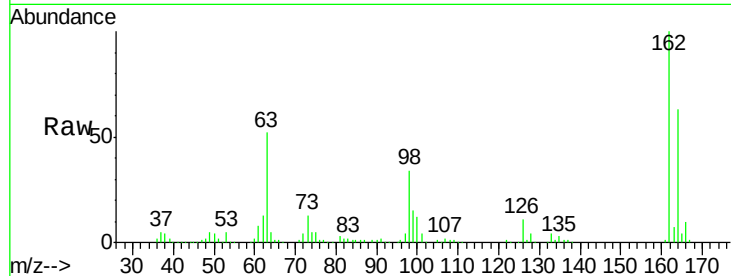
#29
2,4-Dichlorophenol
Concen: 40.941 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

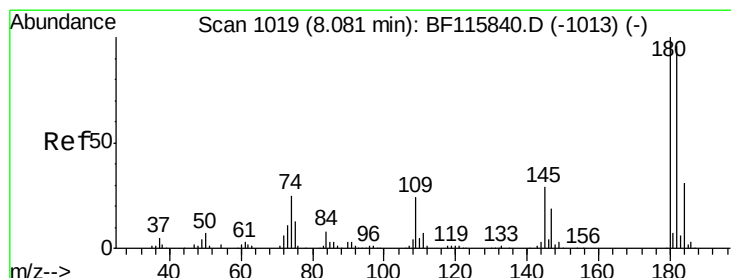
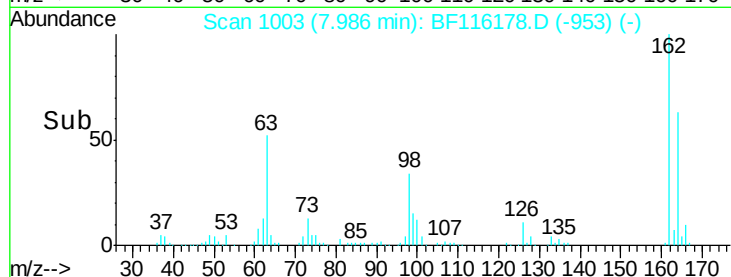
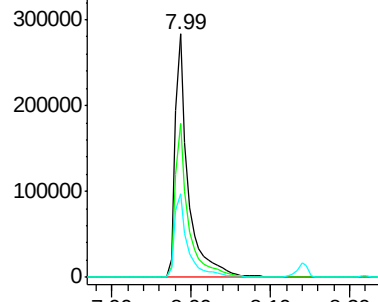
Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.3	45.1	85.1
98	34.2	15.8	55.8

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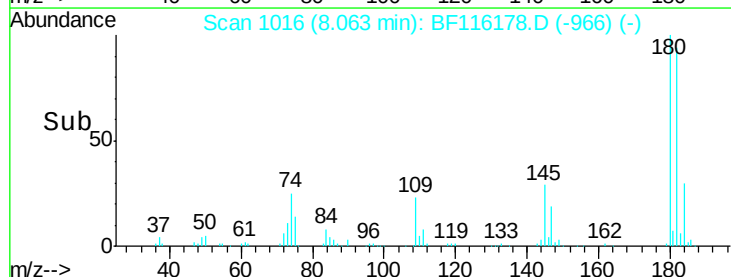
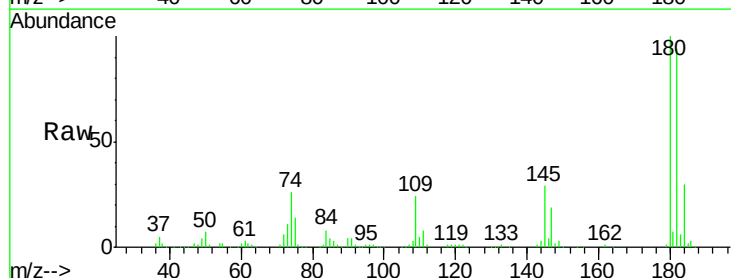
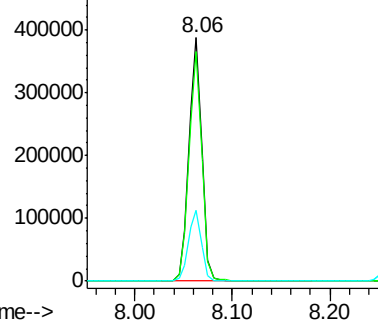
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

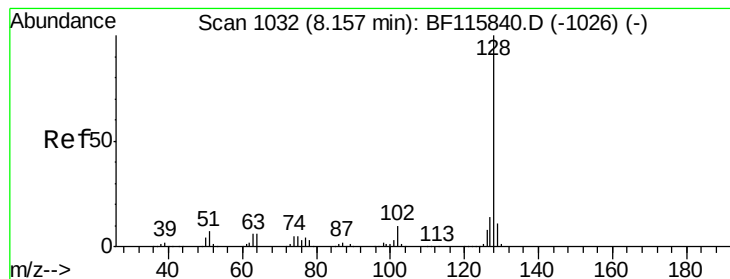


#30
1,2,4-Trichlorobenzene
Concen: 38.608 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.5	75.7	113.5
145	29.1	24.3	36.5

Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 39.572 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion:128 Resp: 1072976

Ion Ratio Lower Upper

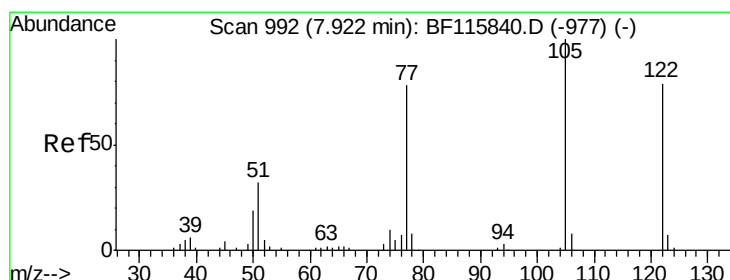
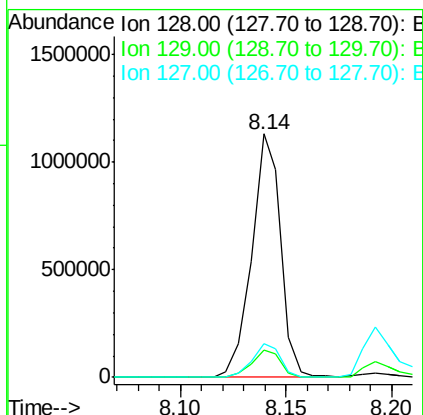
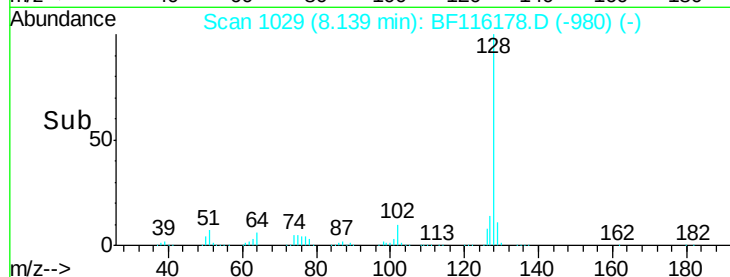
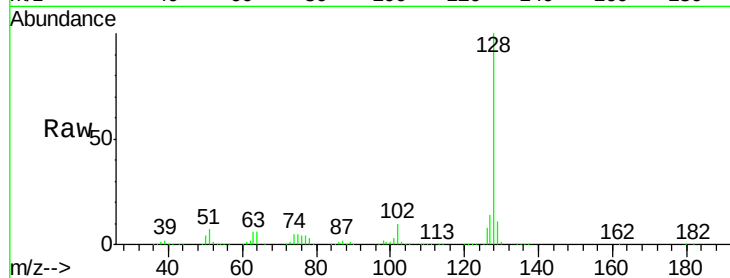
128 100

129 11.5 9.3 13.9

127 13.7 11.4 17.0

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#32

Benzoic acid

Concen: 18.510 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.04 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

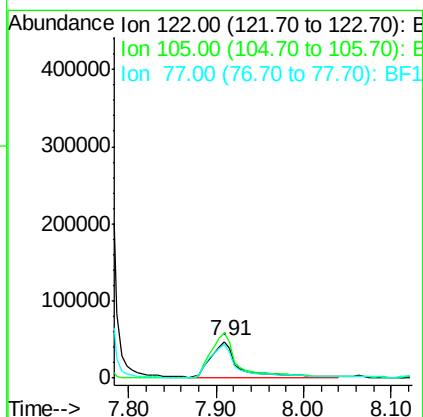
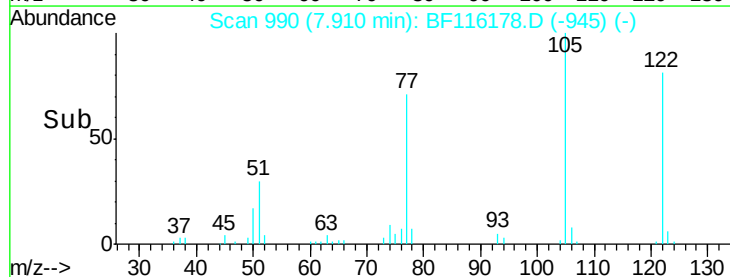
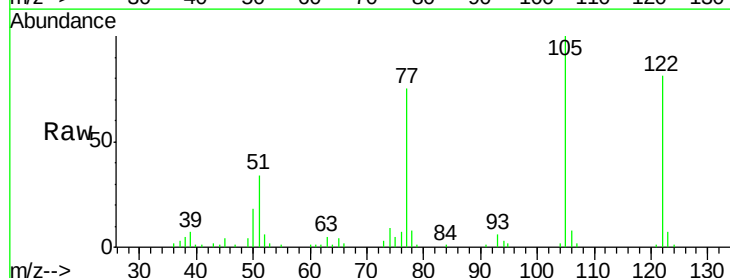
Tgt Ion:122 Resp: 99752

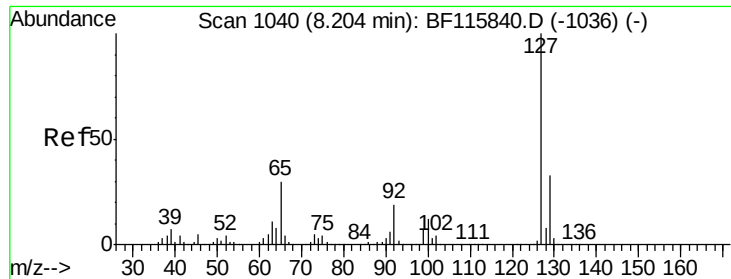
Ion Ratio Lower Upper

122 100

105 123.7 106.1 146.1

77 92.3 76.7 116.7





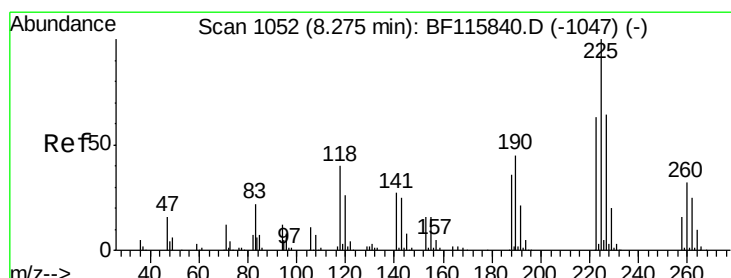
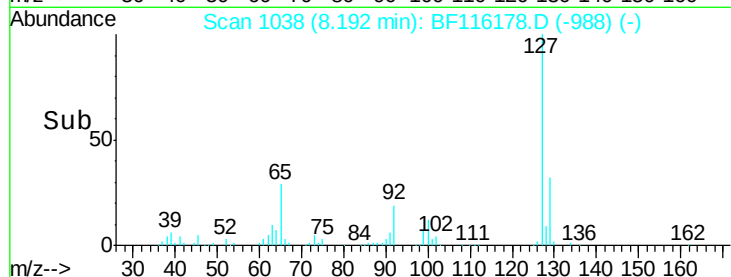
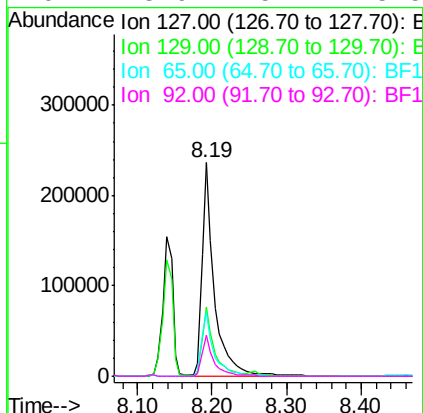
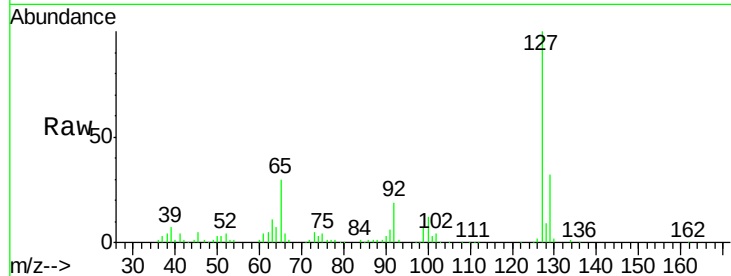
#33
4-Chloroaniline
Concen: 22.855 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		276879		
129	32.1	26.1	39.1		
65	30.0	24.9	37.3		
92	18.9	15.7	23.5		

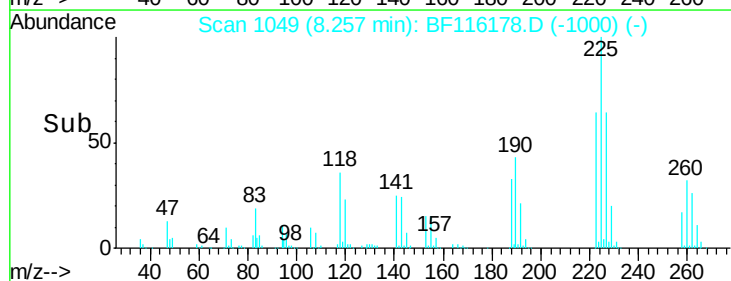
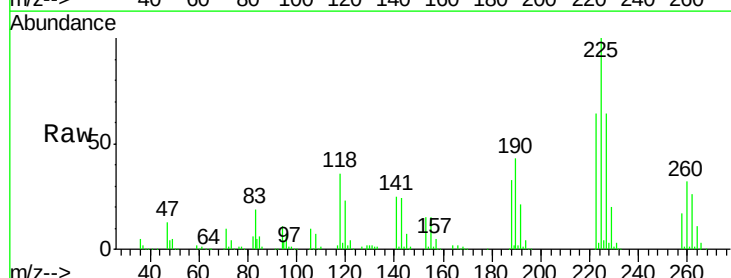
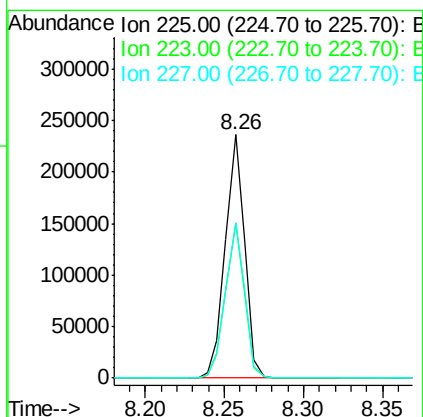
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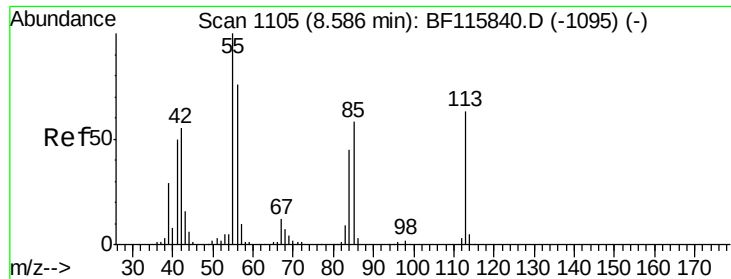
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#34
Hexachlorobutadiene
Concen: 37.788 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		200244		
223	63.9	50.0	75.0		
227	63.5	51.0	76.4		





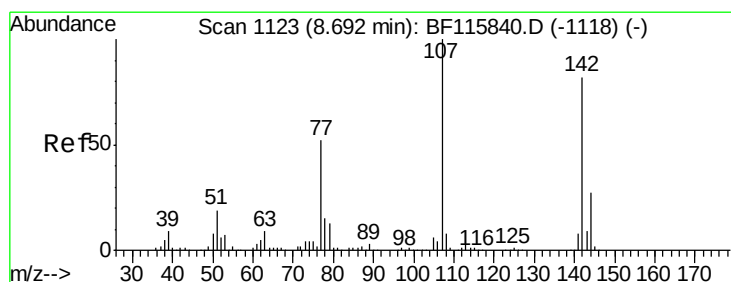
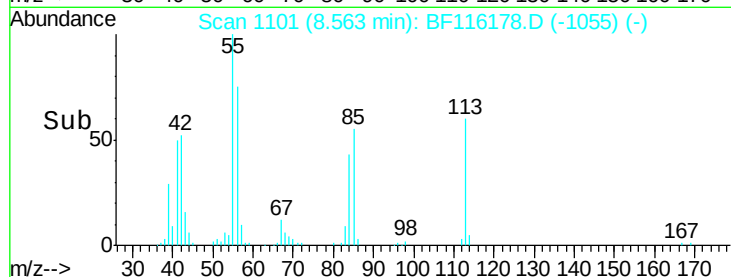
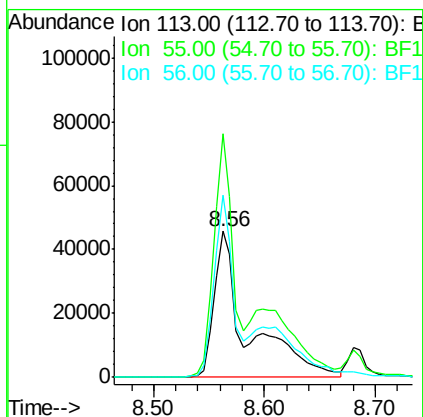
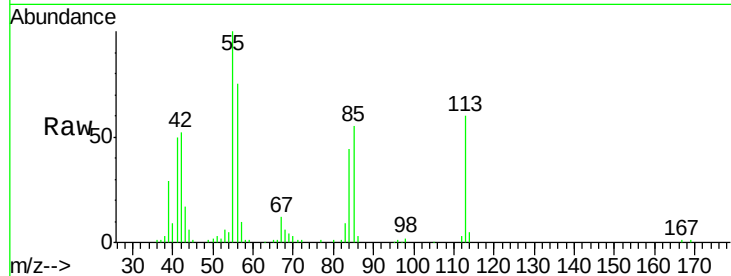
#35
 Caprolactam
 Concen: 36.782 ng/ml
 RT: 8.56 min Scan# 1101
 Delta R.T. -0.03 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	166.7	144.3	184.3		
56	124.5	97.1	137.1		

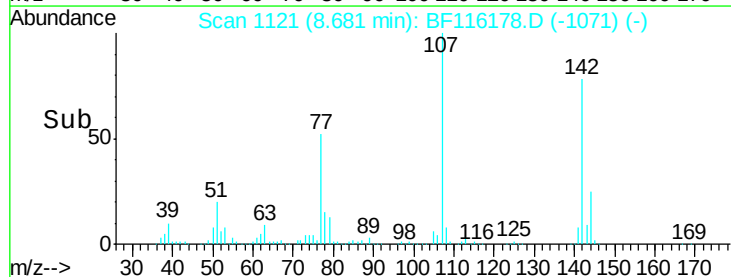
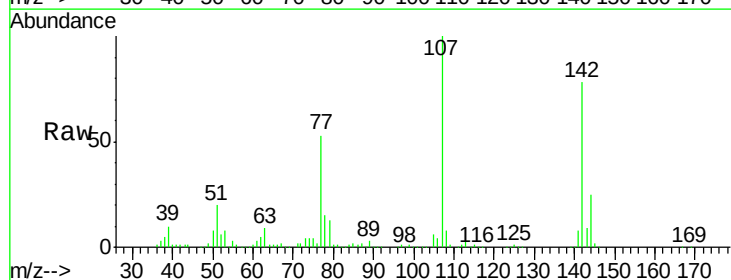
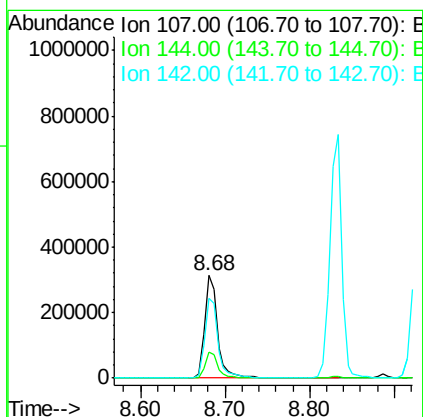
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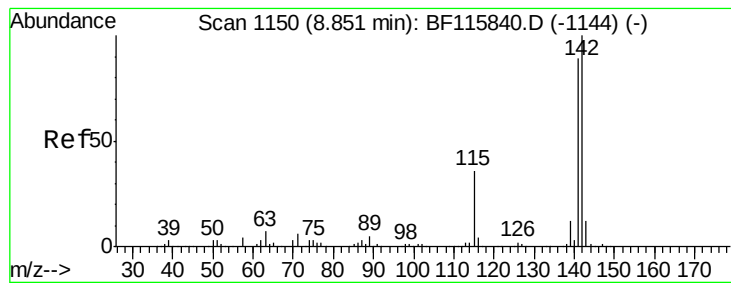
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 39.615 ng/ml
 RT: 8.68 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.0	20.2	30.2		
142	77.8	61.7	92.5		





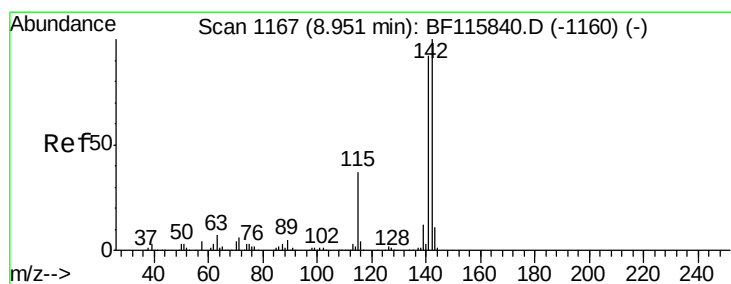
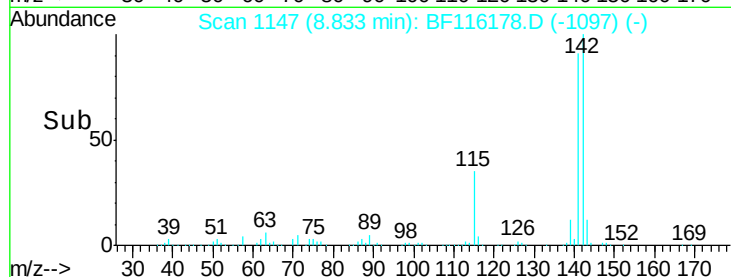
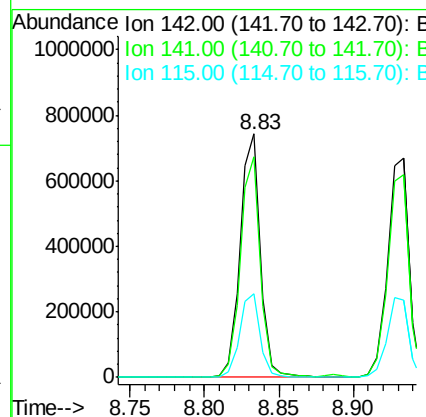
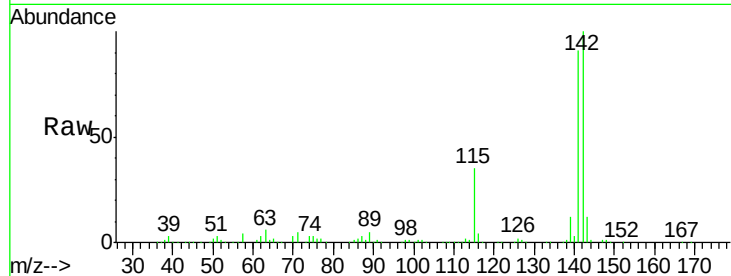
#37
2-Methylnaphthalene
Concen: 39.661 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.9	106.3
115	34.5	29.0	43.6

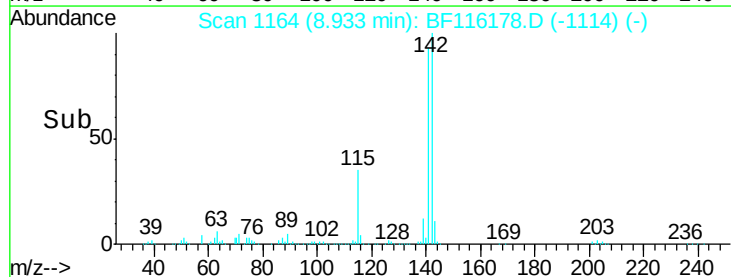
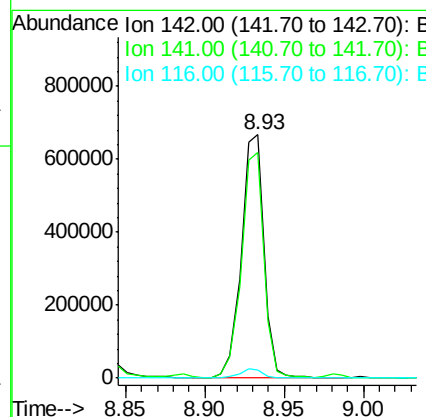
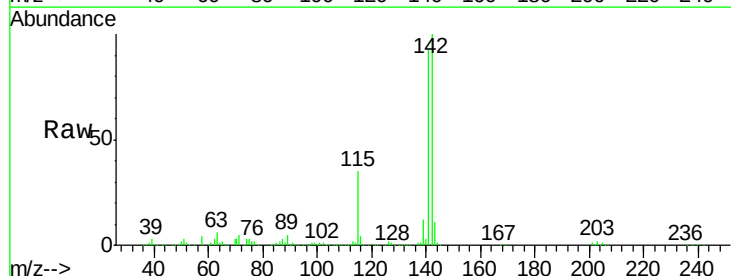
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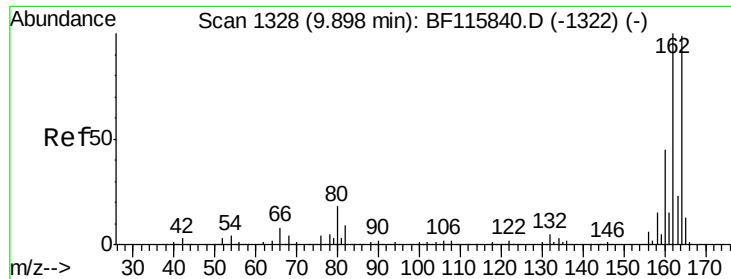
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#38
1-Methylnaphthalene
Concen: 38.726 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.4	111.6
116	3.5	3.1	4.7





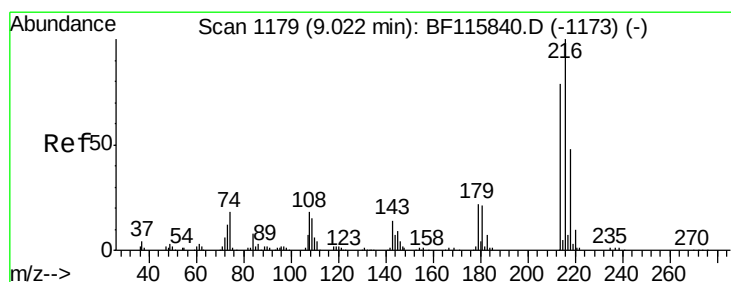
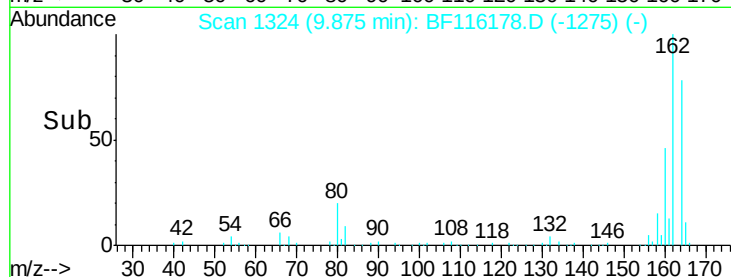
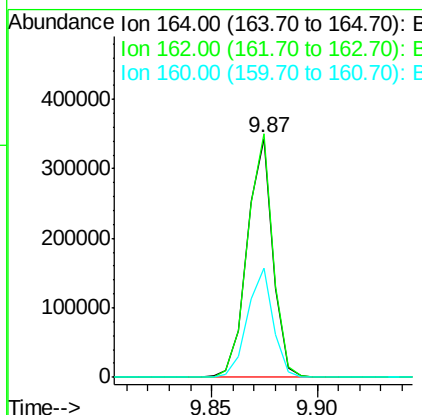
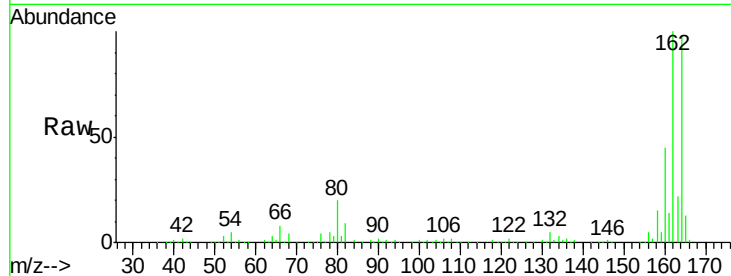
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.6	124.0
160	45.9	37.6	56.4

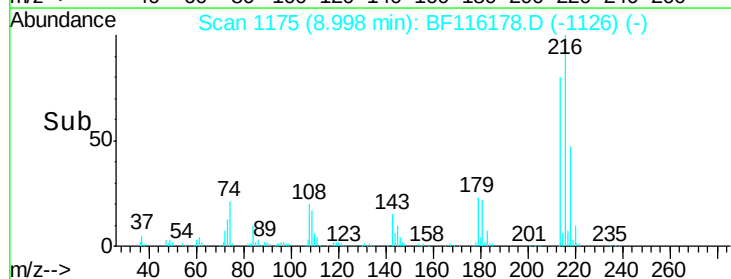
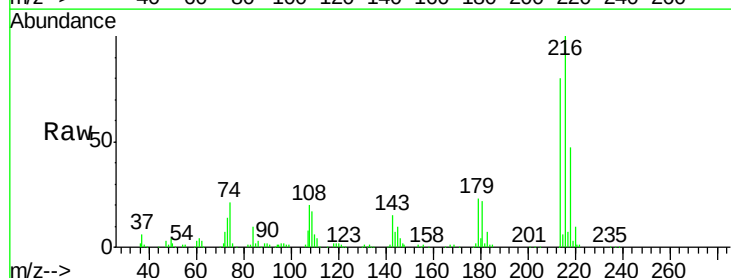
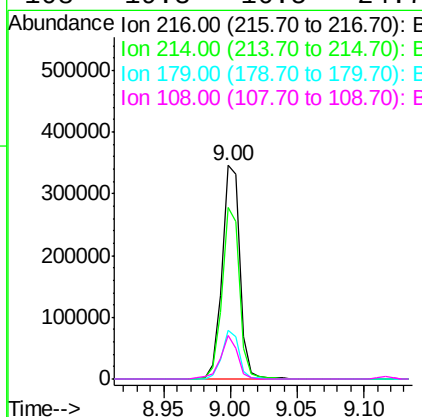
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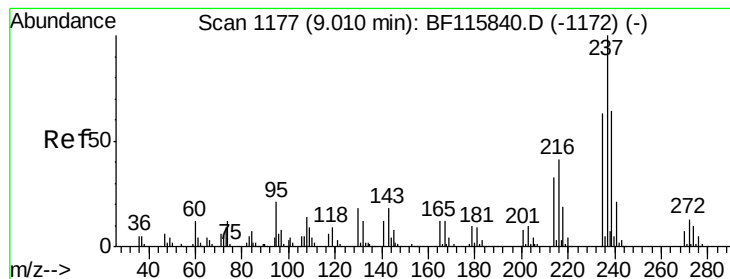
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.552 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.6	95.4
179	21.9	17.8	26.8
108	19.3	16.5	24.7





#41

Hexachlorocyclopentadiene

Concen: 20.669 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

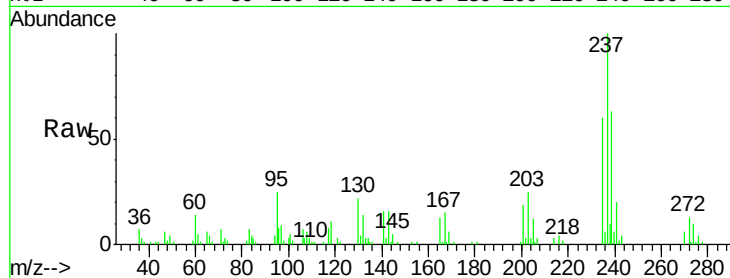
ClientSampleId :

CP-MW2-N-12-16-SOILMS

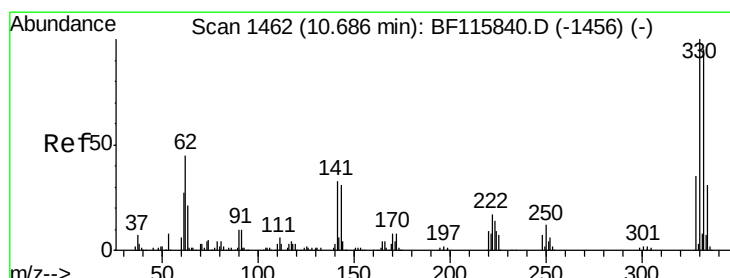
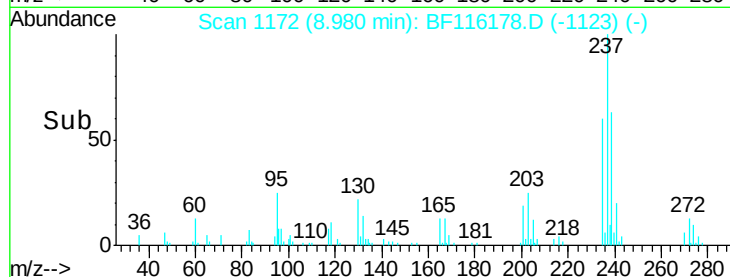
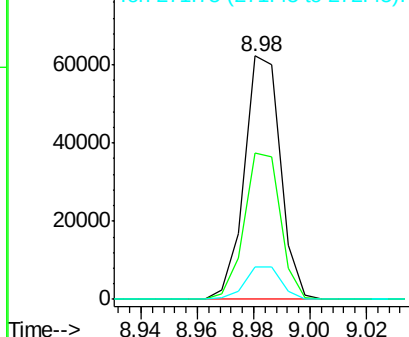
Tot Ion:	237	Resp:	55221
Ion Ratio	Lower	Upper	
237	100		
235	60.2	43.4	83.4
272	13.1	0.0	33.2

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 132.839 ng

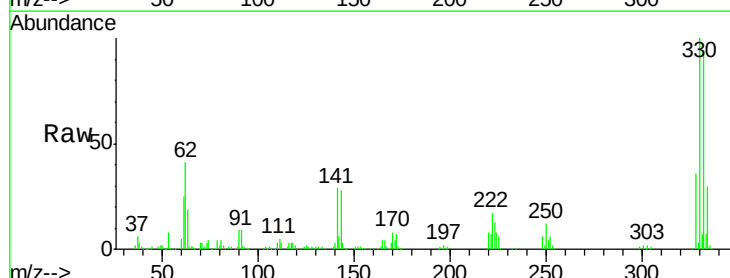
RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

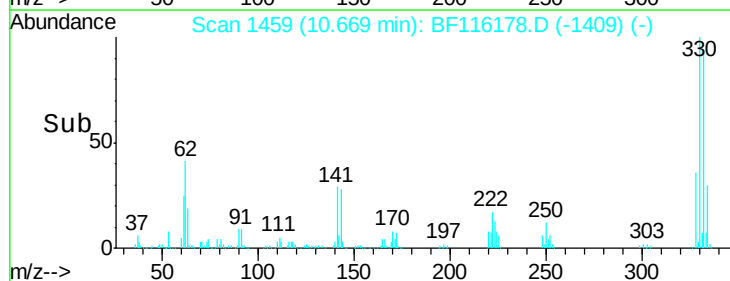
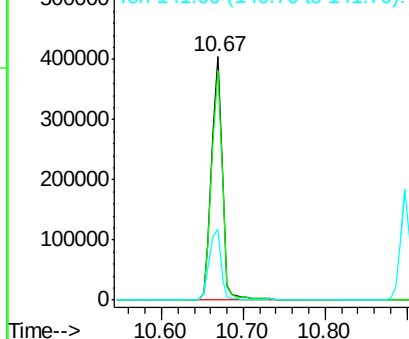
Lab File: BF116178.D

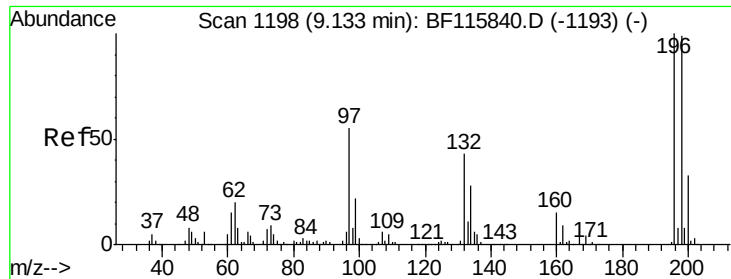
Acq: 11 Aug 2019 6:18

Tgt Ion:	330	Resp:	372086
Ion Ratio	Lower	Upper	
330	100		
332	95.0	76.8	115.2
141	31.8	26.3	39.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





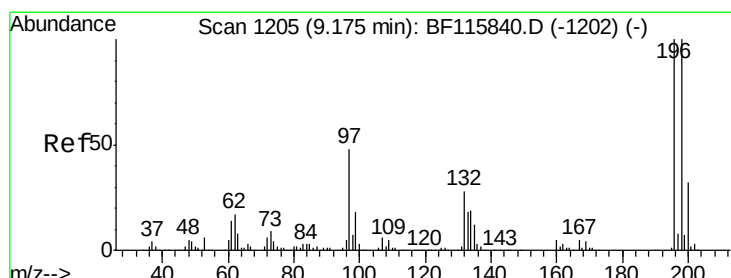
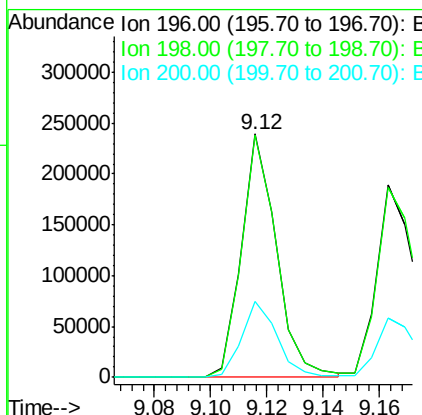
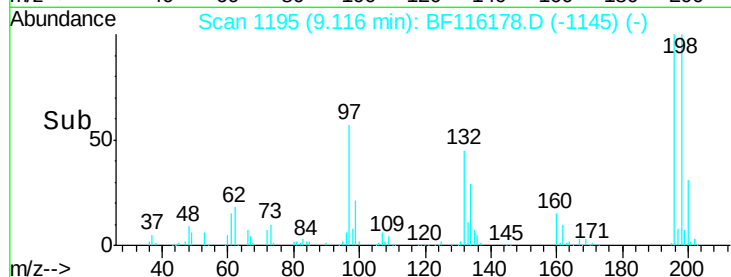
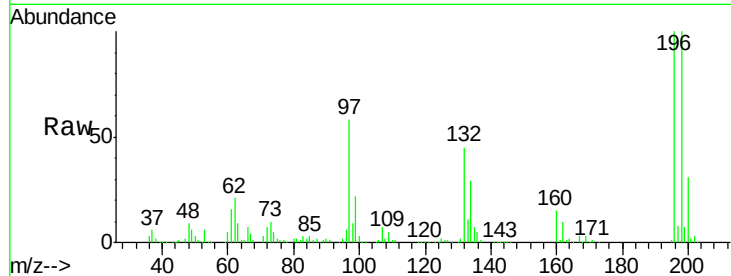
#43
 2,4,6-Trichlorophenol
 Concen: 38.817 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	206363		
198	99.5	79.2	118.8	
200	31.3	25.2	37.8	

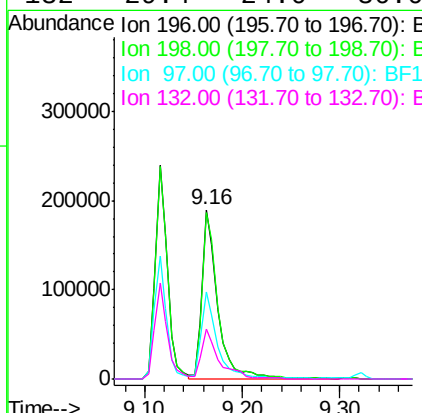
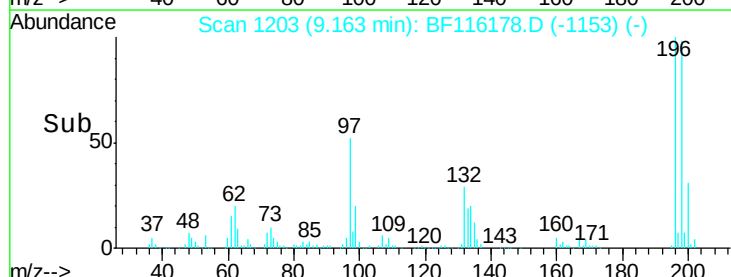
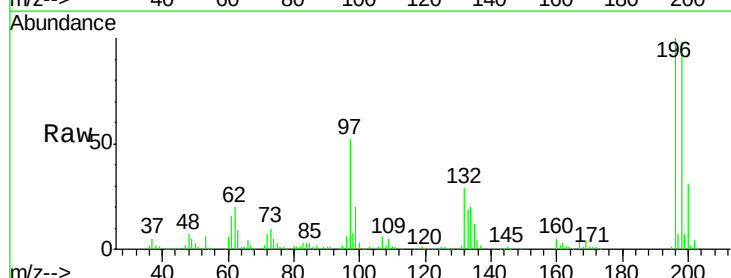
Manual Integrations
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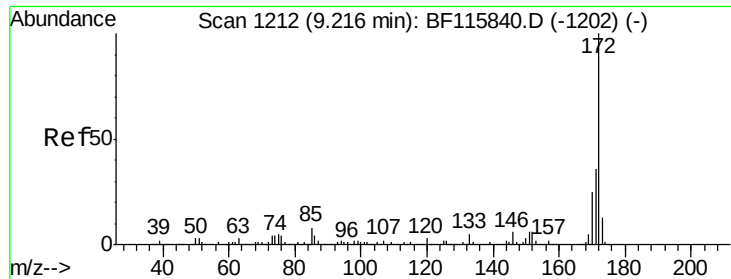
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 38.407 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	211064		
198	98.4	78.8	118.2	
97	51.7	42.2	63.4	
132	29.4	24.0	36.0	





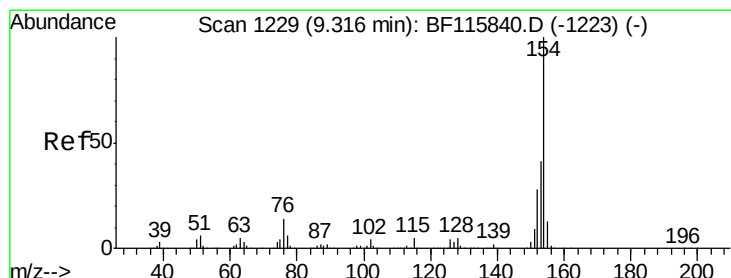
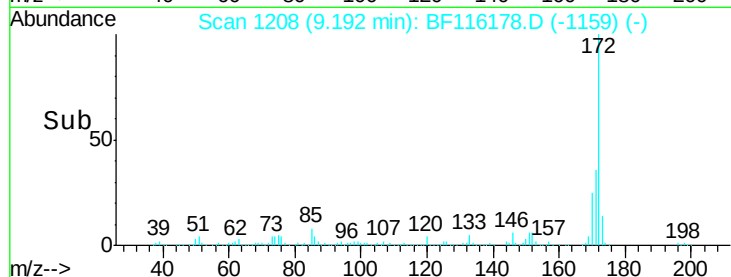
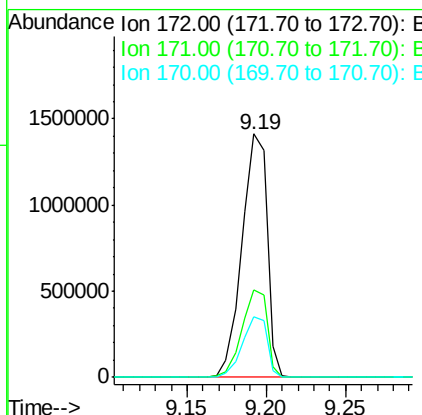
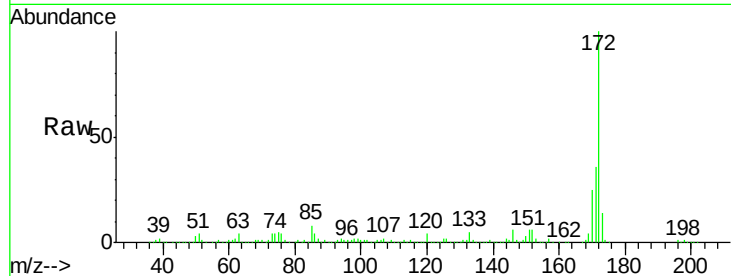
#45
2-Fluorobiphenyl
Concen: 100.865 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	25.0	20.1	30.1

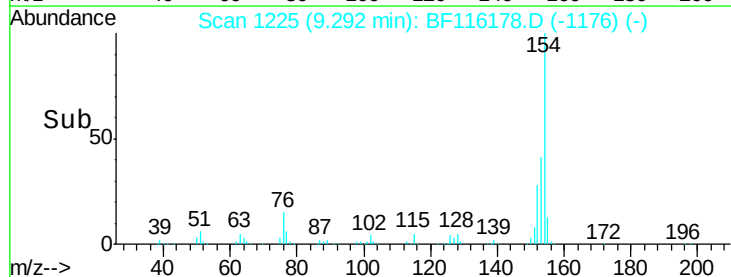
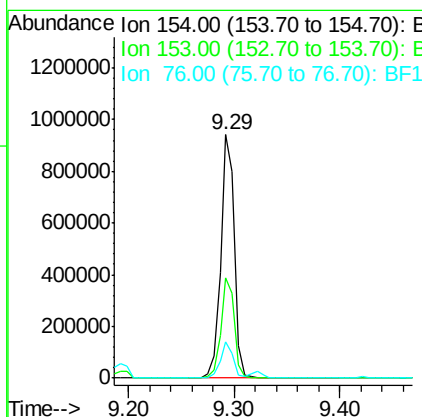
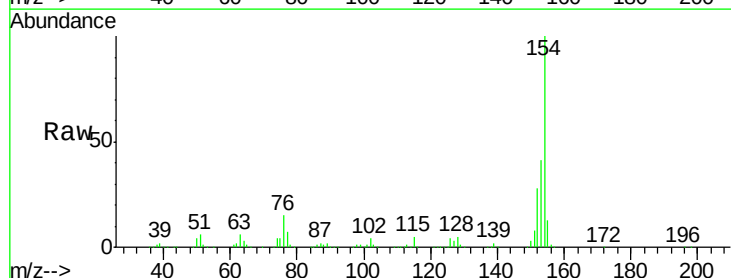
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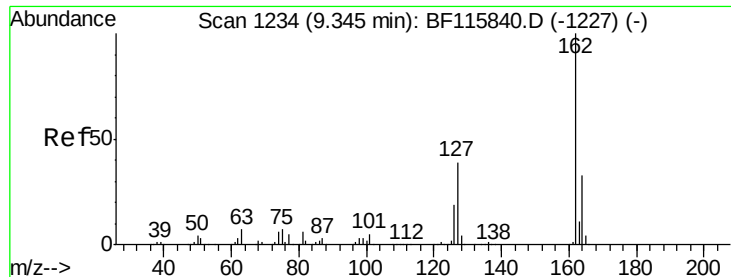
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#46
1,1'-Biphenyl
Concen: 41.707 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.4	61.4
76	14.7	0.0	35.2





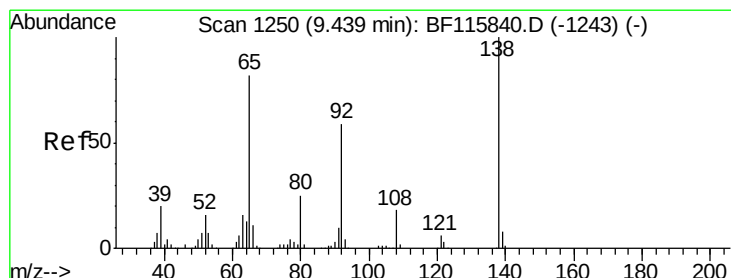
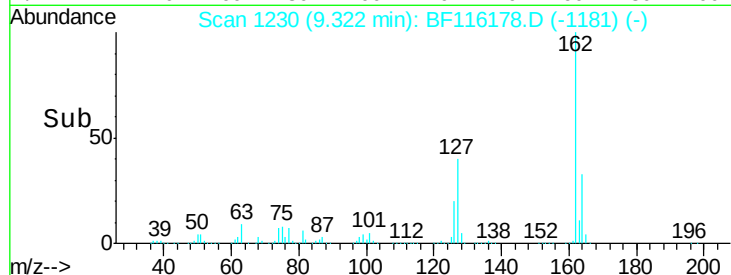
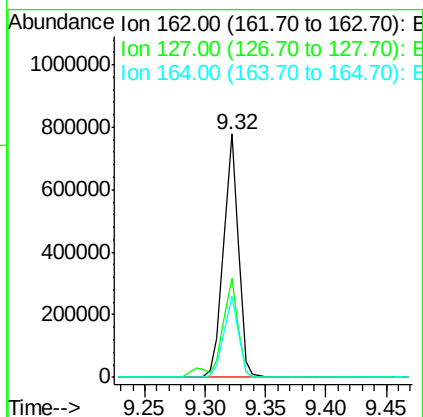
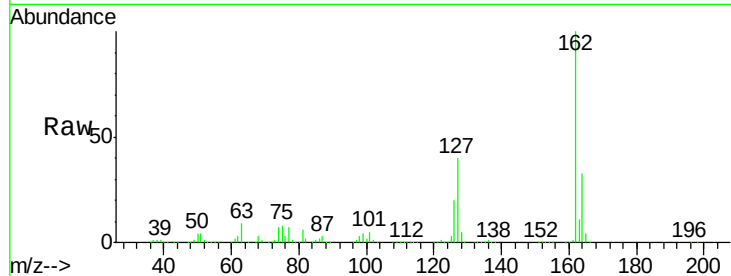
#47
 2-Chloronaphthalene
 Concen: 39.103 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	40.4	32.8	49.2
164	33.2	26.6	39.8

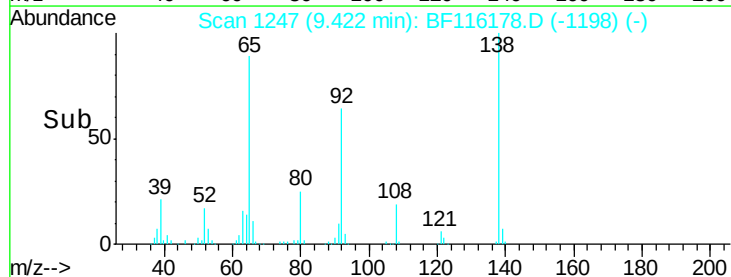
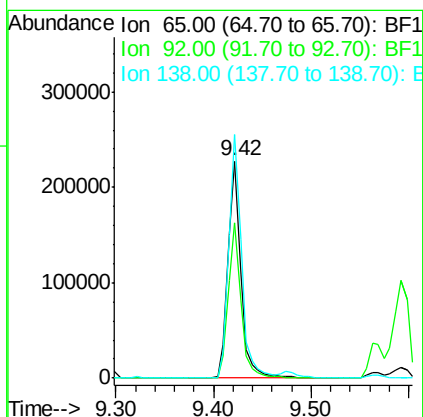
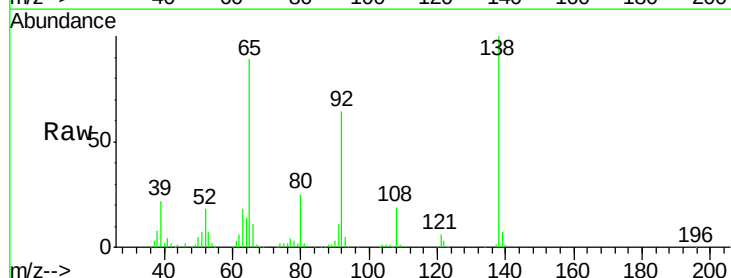
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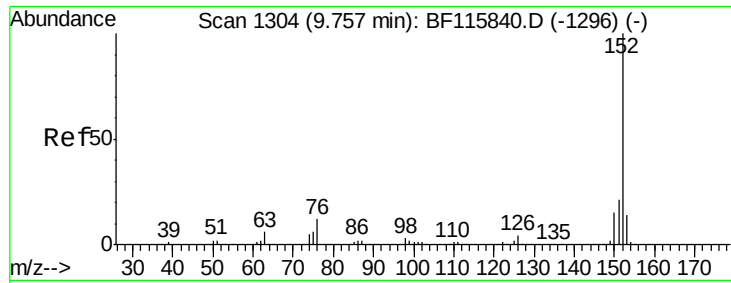
mohammad
 8/14/2019 2:55:22 AM



#48
 2-Nitroaniline
 Concen: 37.711 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	71.5	57.8	86.8
138	112.3	94.0	141.0





#49

Acenaphthylene

Concen: 39.700 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

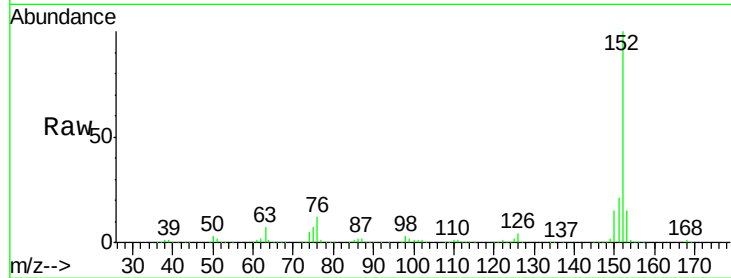
ClientSampleId :

CP-MW2-N-12-16-SOILMS

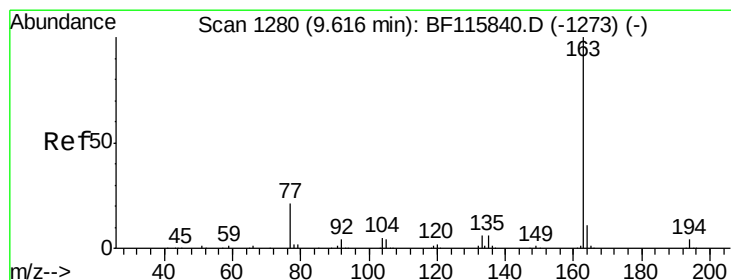
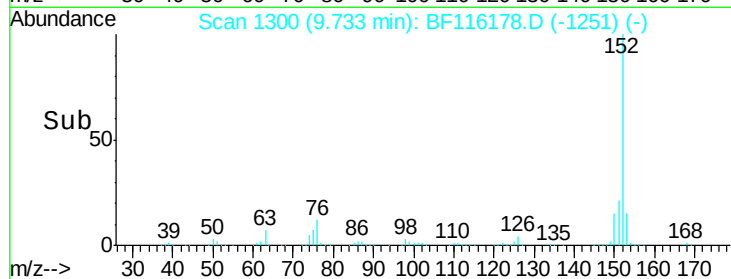
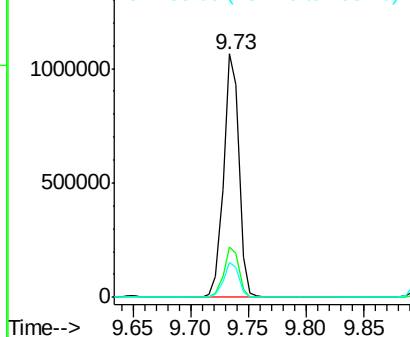
Tot Ion:	152	Resp:	983234
Ion Ratio	Lower	Upper	
152	100		
151	20.9	17.2	25.8
153	14.5	11.8	17.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 58.556 ng

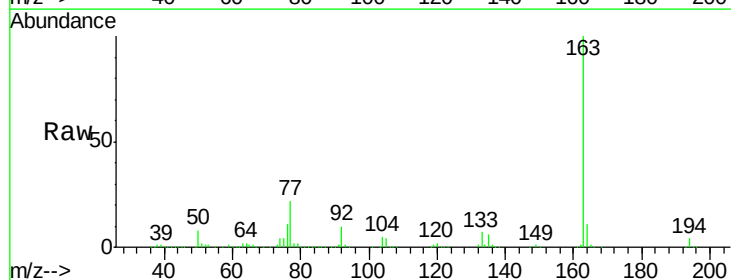
RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

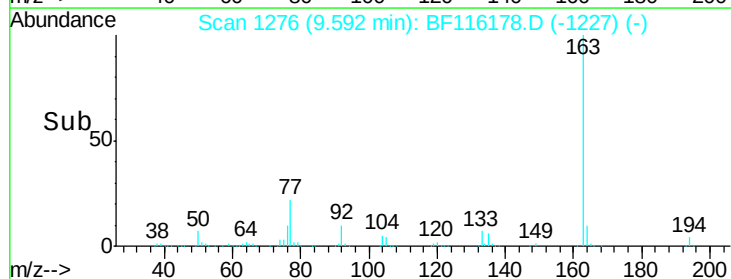
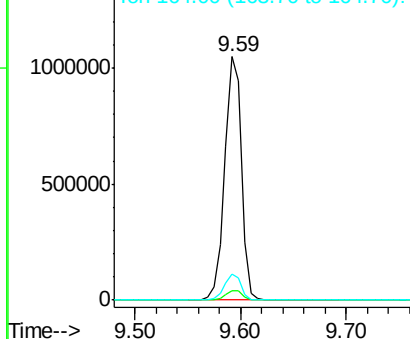
Lab File: BF116178.D

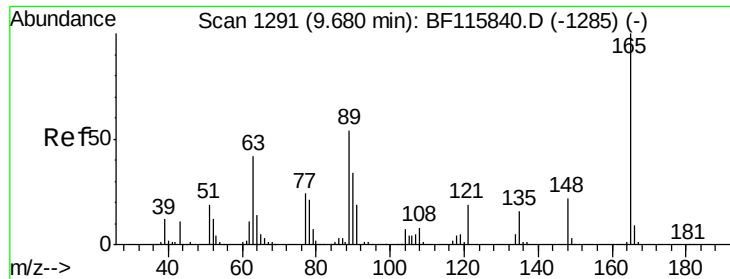
Acq: 11 Aug 2019 6:18

Tgt Ion:	163	Resp:	1151877
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	10.7	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 39.842 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

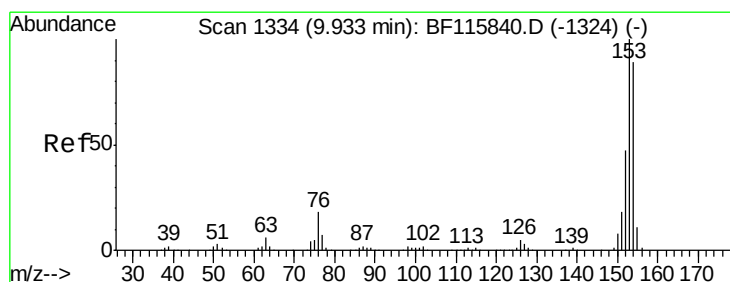
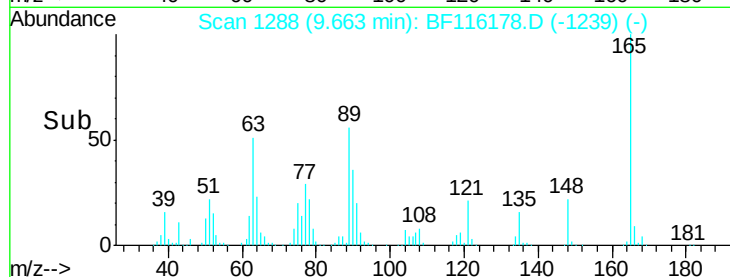
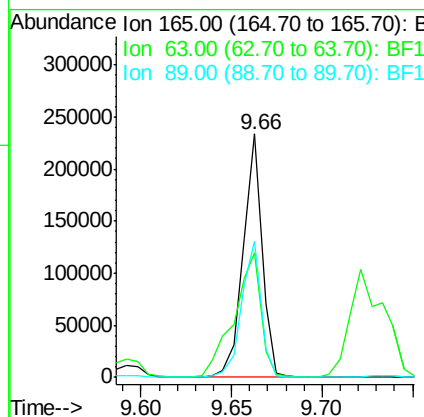
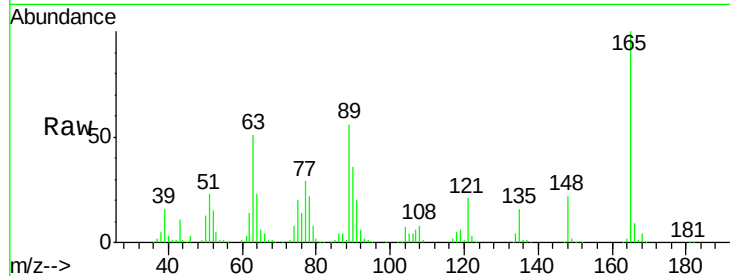
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion:	165	Resp:	170322
Ion Ratio	Lower	Upper	
165	100		
63	51.1	38.2	57.2
89	55.7	42.9	64.3

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#52

Acenaphthene

Concen: 38.429 ng

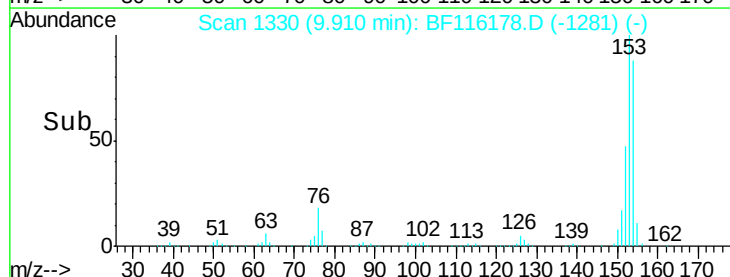
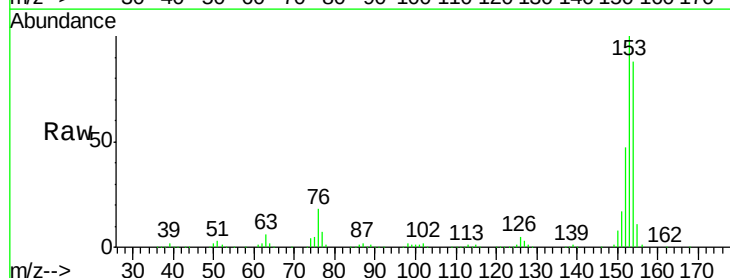
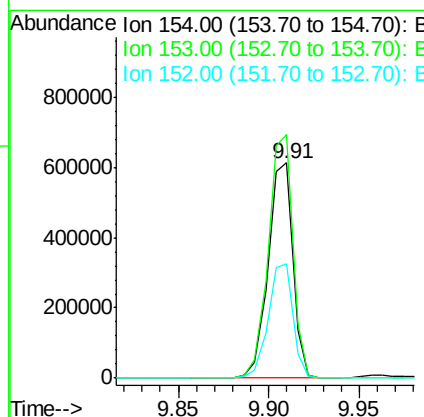
RT: 9.91 min Scan# 1330

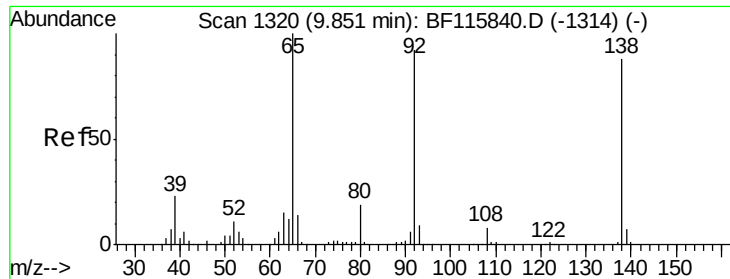
Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion:	154	Resp:	583889
Ion Ratio	Lower	Upper	
154	100		
153	113.2	89.4	134.0
152	53.1	42.3	63.5





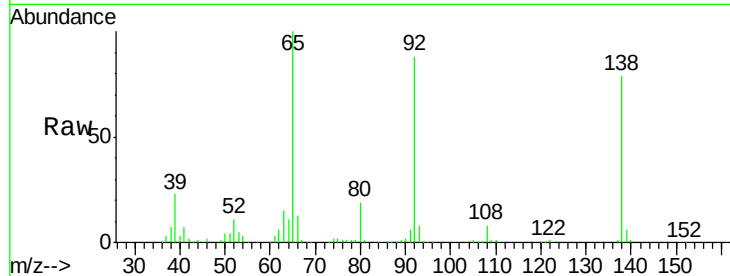
#53
3-Nitroaniline
Concen: 29.104 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

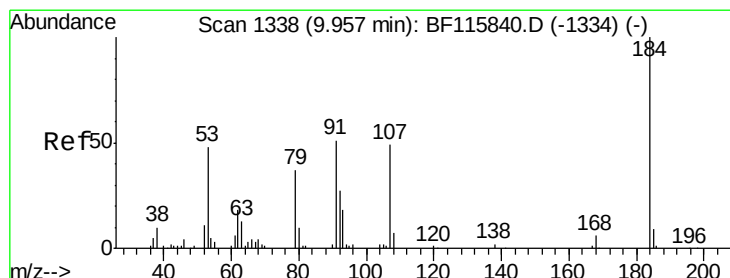
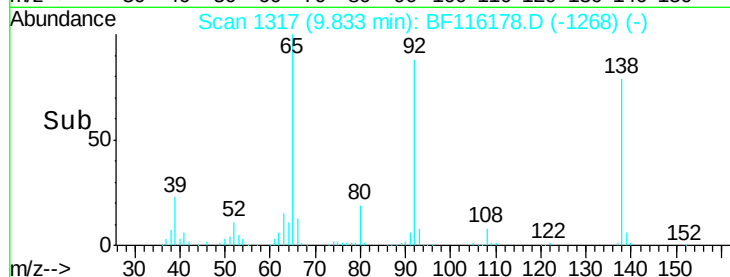
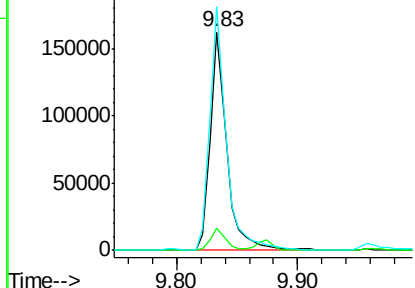
Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.0	12.0
92	111.4	91.0	136.6

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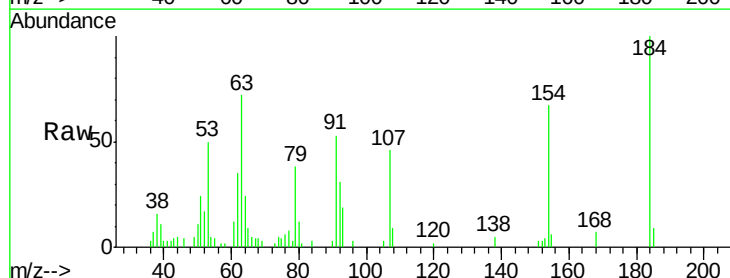


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

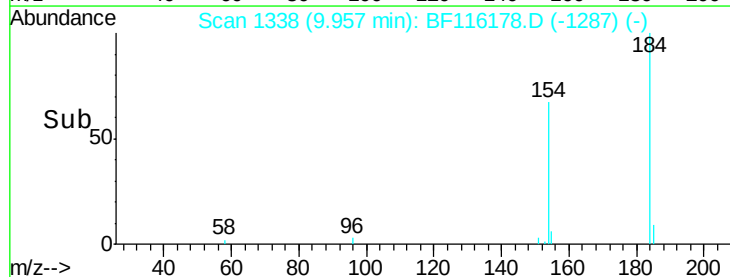
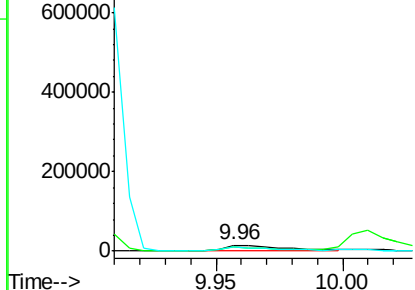


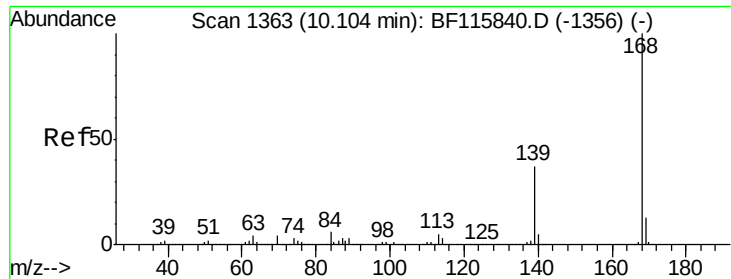
#54
2,4-Dinitrophenol
Concen: 18.052 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
184	100		
63	72.3	53.0	79.4
154	67.0	50.1	75.1



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 38.216 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

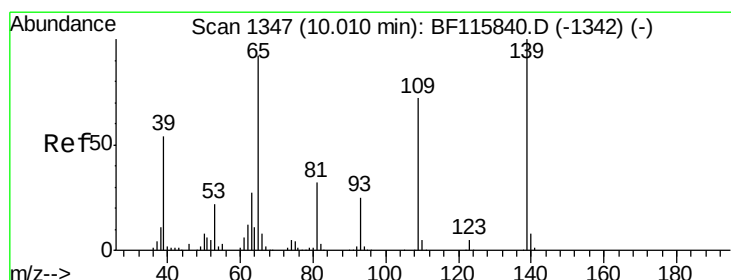
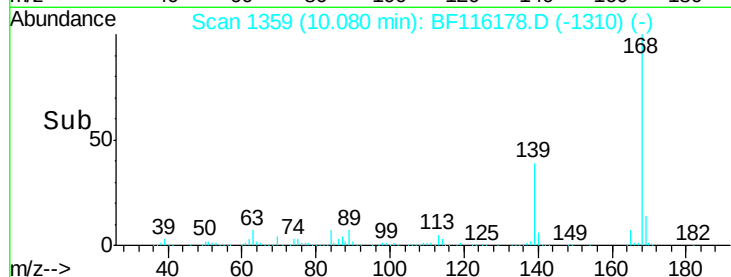
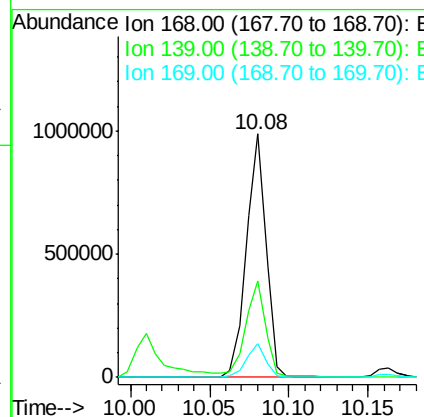
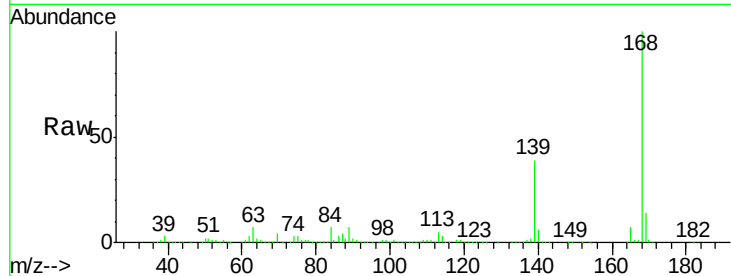
ClientSampled :

CP-MW2-N-12-16-SOILMS

Tot Ion:	168	Resp:	844421
Ion Ratio	Lower	Upper	
168	100		
139	39.4	31.4	47.2
169	13.8	10.9	16.3

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#56

4-Nitrophenol

Concen: 63.407 ng

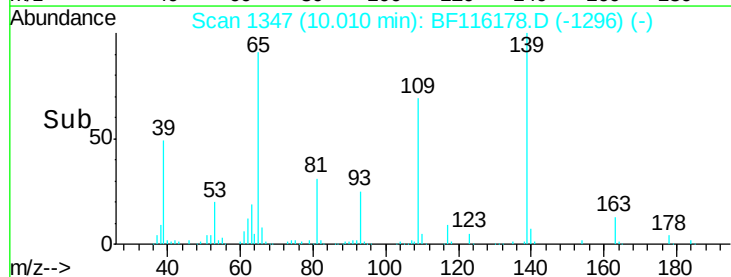
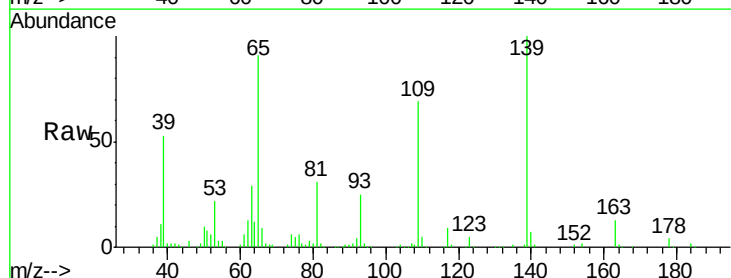
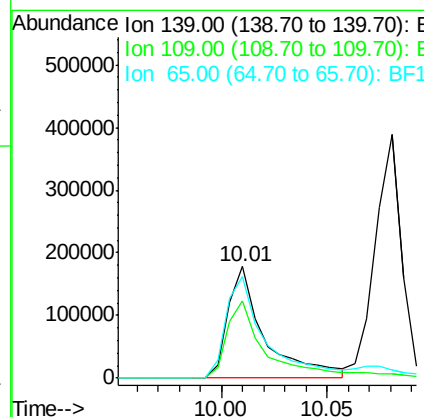
RT: 10.01 min Scan# 1347

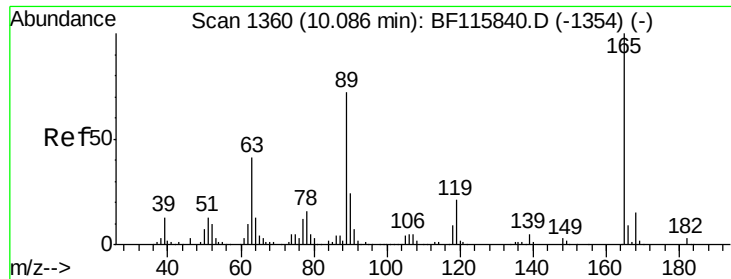
Delta R.T. -0.00 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion:	139	Resp:	214556
Ion Ratio	Lower	Upper	
139	100		
109	68.8	54.4	94.4
65	91.4	80.6	120.6





#57

2,4-Dinitrotoluene

Concen: 35.385 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

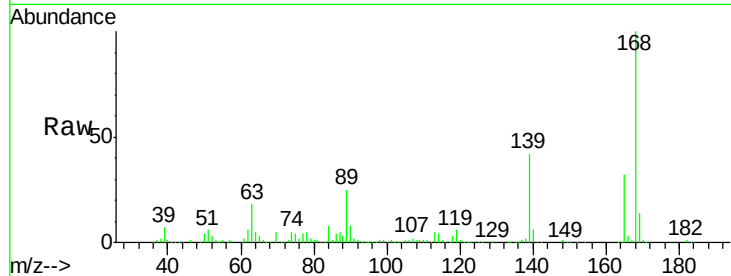
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		201401		
63	55.0	39.6	59.4		
89	77.9	62.2	93.2		
182	2.8	2.1	3.1		

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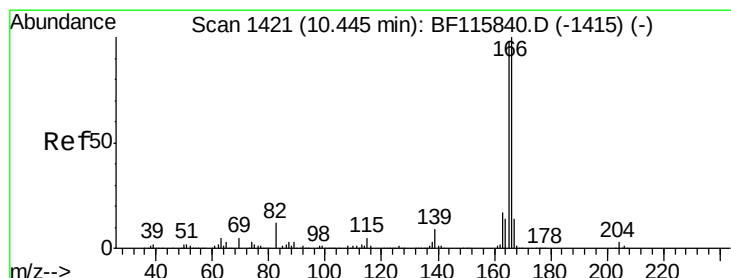
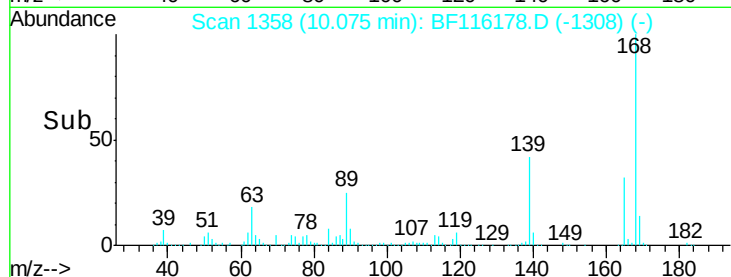
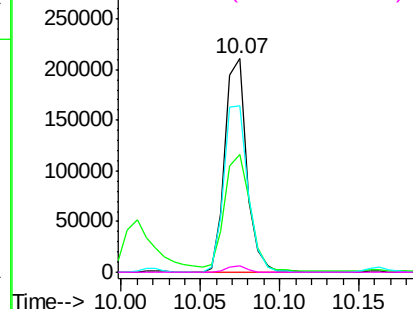


Abundance Ion 165.00 (164.70 to 165.70): E

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: 38.986 ng

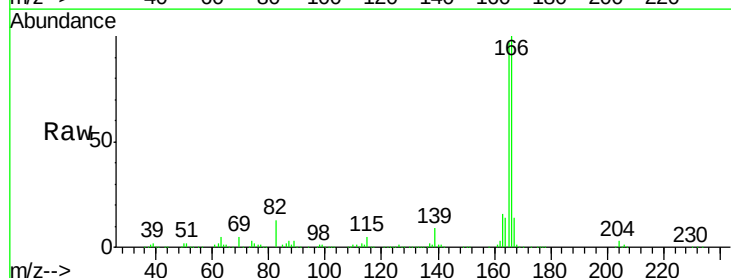
RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

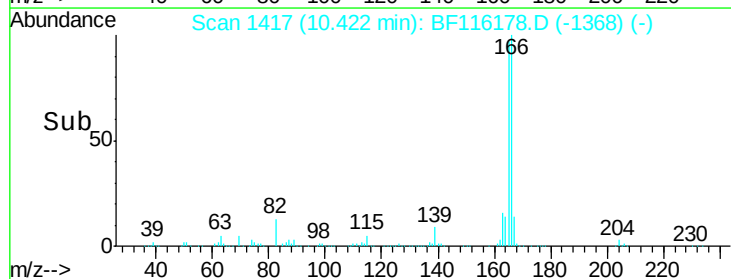
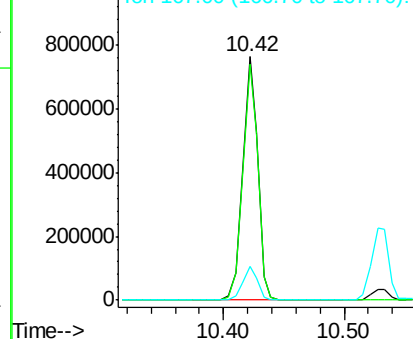
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		662763		
165	96.7	78.4	117.6		
167	13.6	11.0	16.4		

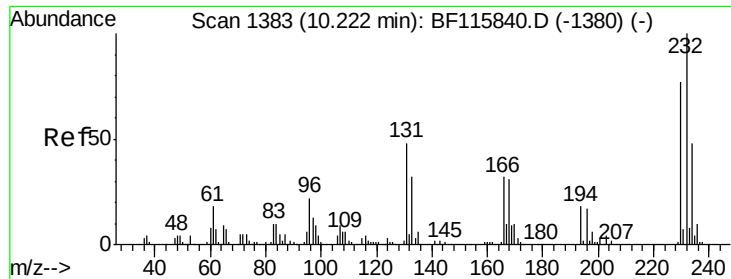


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





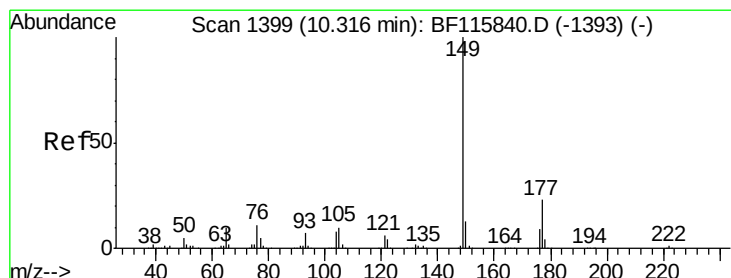
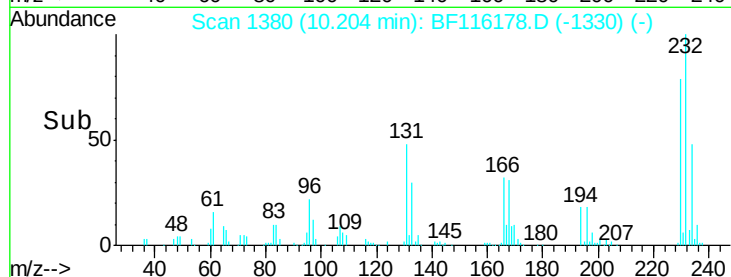
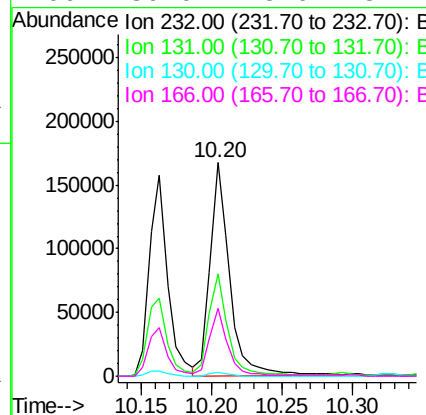
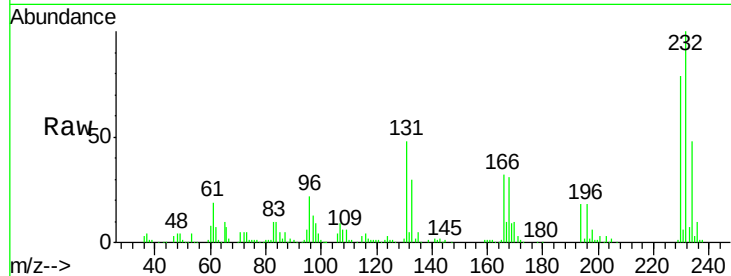
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 34.564 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	159804		
131	46.5	36.2	54.2	
130	2.2	1.9	2.9	
166	30.0	23.0	34.4	

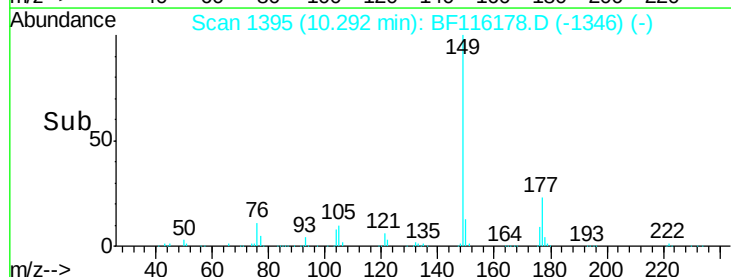
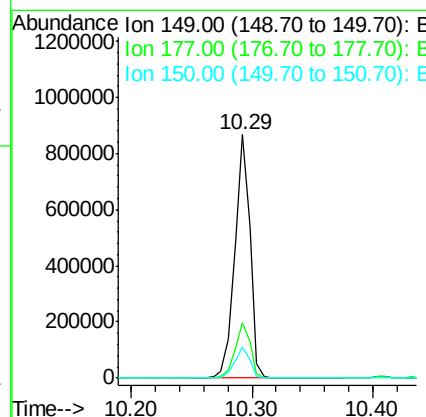
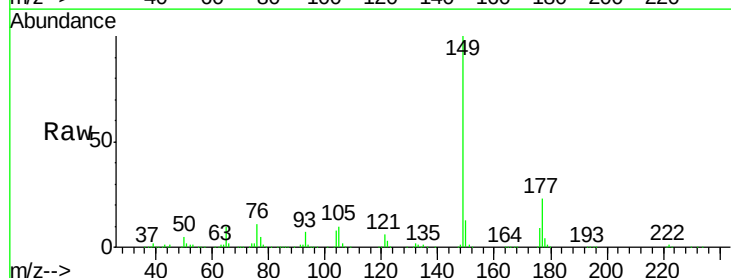
Manual Integrations
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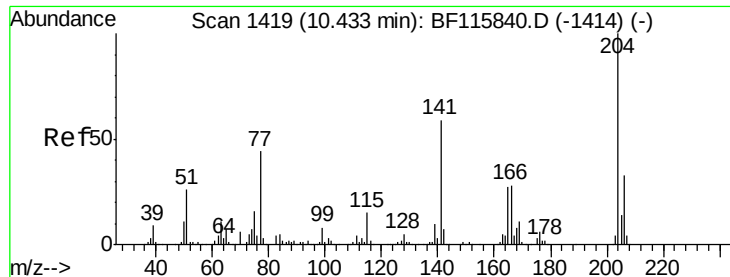
mohammad
 8/14/2019 2:55:22 AM



#60
 Diethylphthalate
 Concen: 41.210 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	756843		
177	22.8	18.8	28.2	
150	12.7	10.2	15.4	





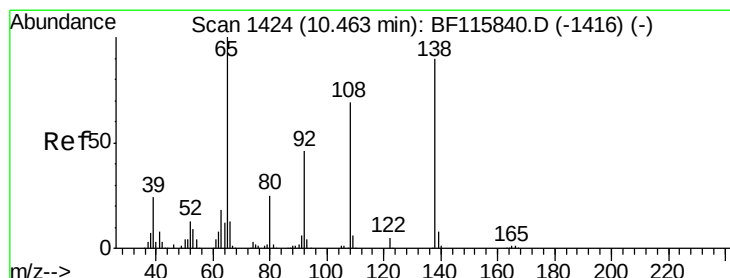
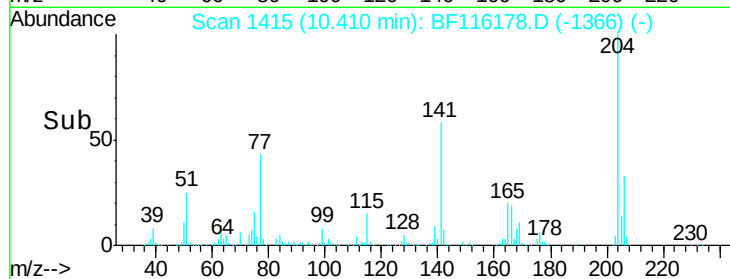
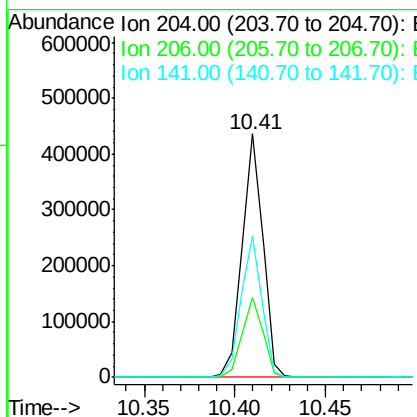
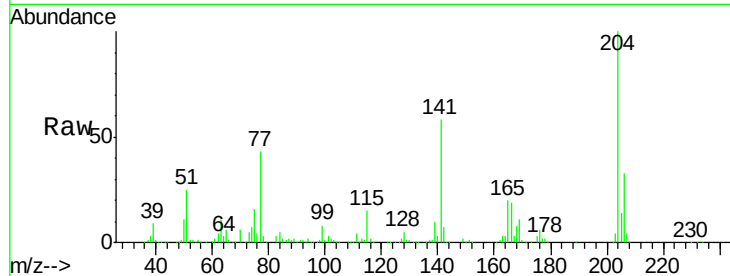
#61
 4-Chlorophenyl-phenylether
 Concen: 40.203 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion:	204	Resp:	346136
Ion Ratio		Lower	Upper
204	100		
206	33.0	26.4	39.6
141	58.2	46.4	69.6

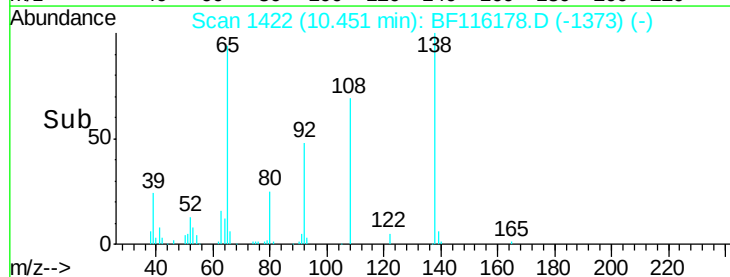
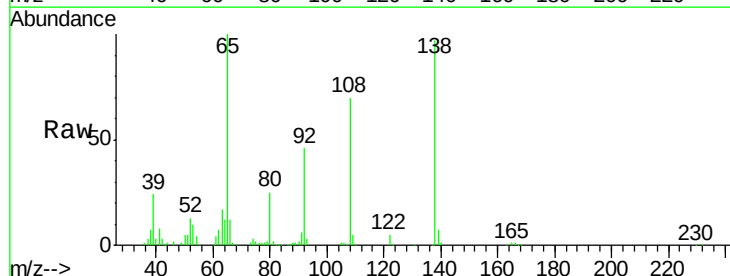
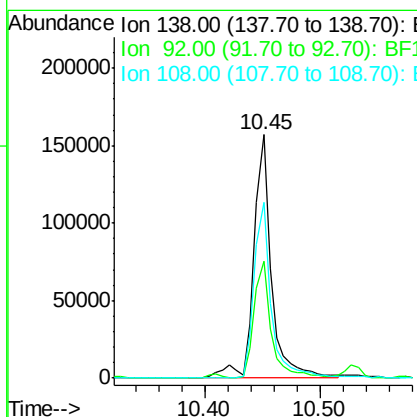
Manual Integrations
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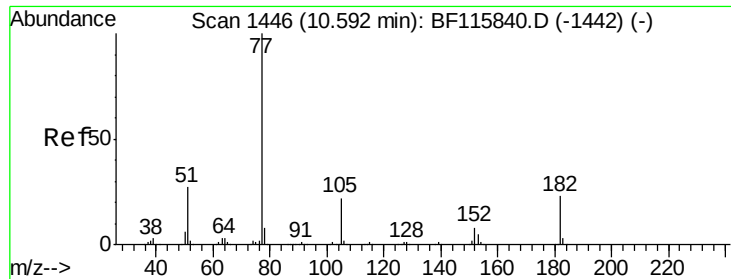
mohammad
 8/14/2019 2:55:22 AM



#62
 4-Nitroaniline
 Concen: 30.867 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion:	138	Resp:	168499
Ion Ratio		Lower	Upper
138	100		
92	47.9	29.0	69.0
108	72.4	54.7	94.7





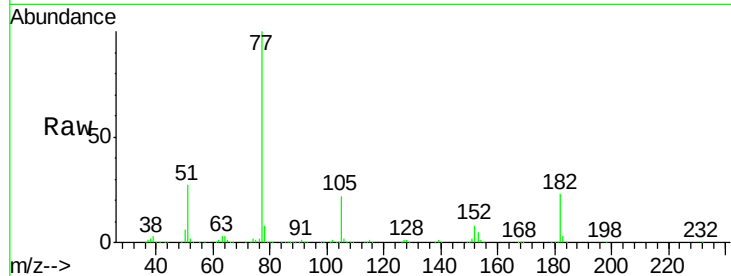
#63
Azobenzene
Concen: 38.801 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

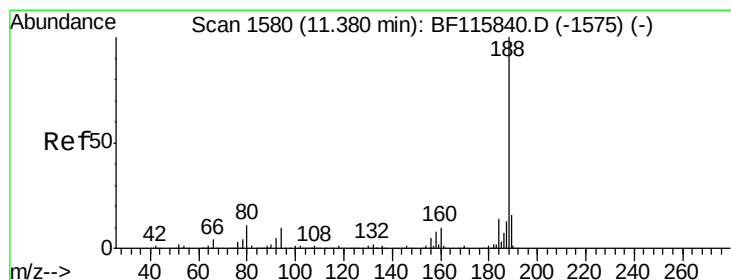
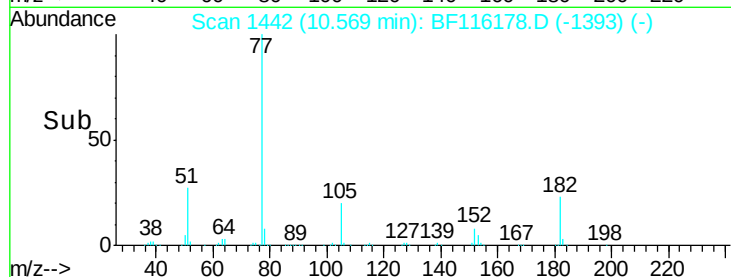
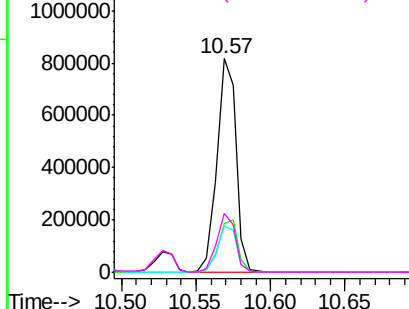
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		732956		
182	23.1	4.0	44.0		
105	21.7	2.0	42.0		
51	27.4	7.5	47.5		

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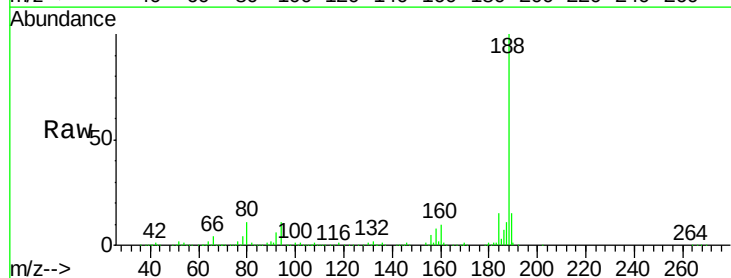


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

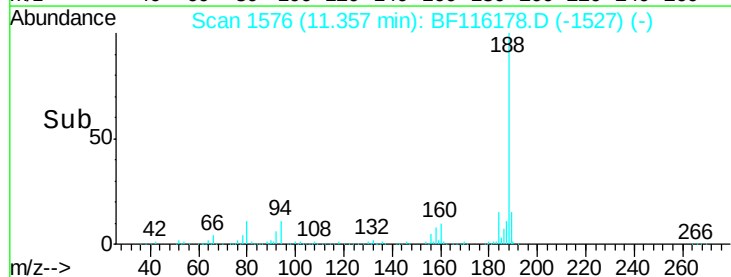
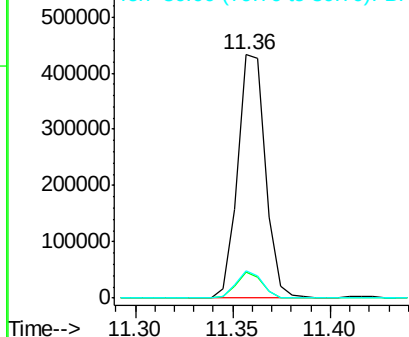


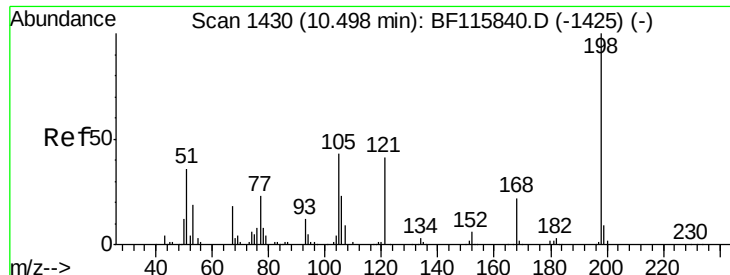
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		427409		
94	10.9	8.1	12.1		
80	11.4	8.7	13.1		



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





#65

4,6-Dinitro-2-methylphenol

Concen: 14.492 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion:198 Resp: 32825

Ion Ratio Lower Upper

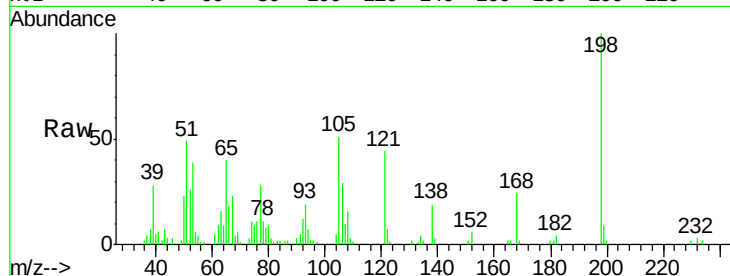
198 100

51 49.4 17.0 57.0

105 50.5 21.6 61.6

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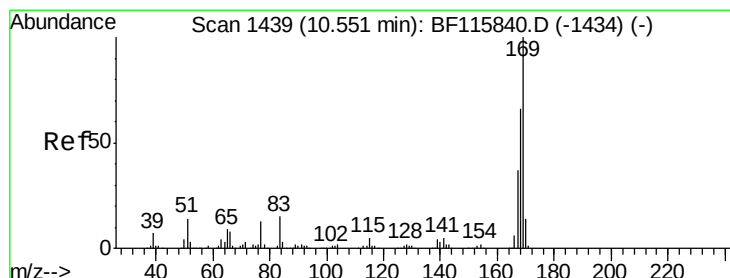
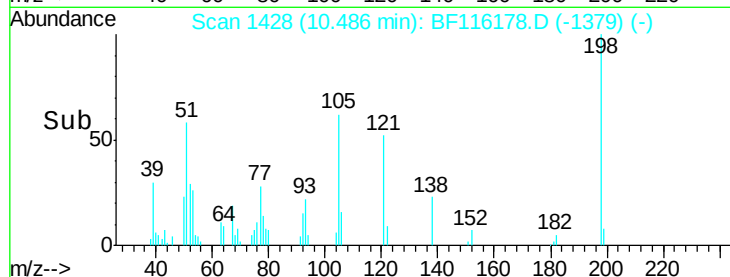
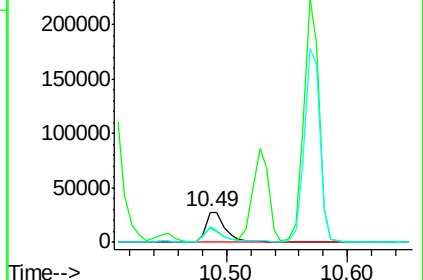
mohammad
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 46.684 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

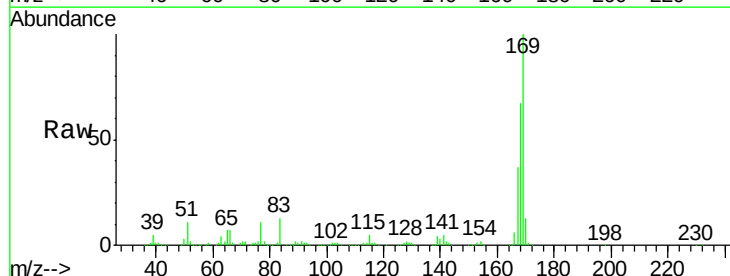
Tgt Ion:169 Resp: 600570

Ion Ratio Lower Upper

169 100

168 67.0 53.8 80.6

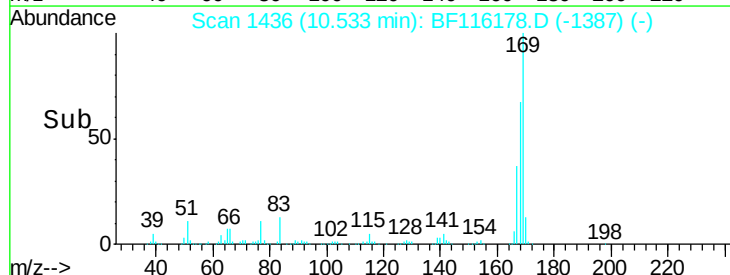
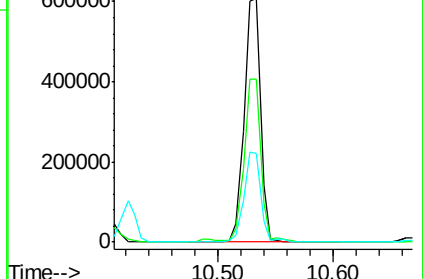
167 36.6 29.6 44.4

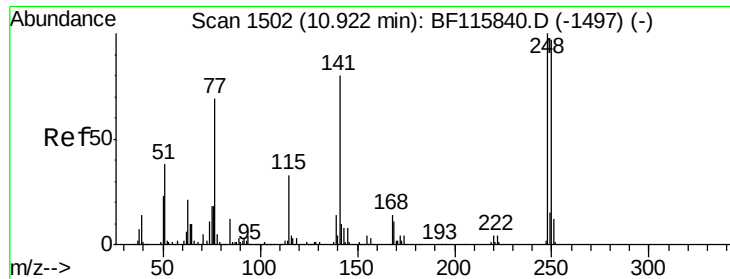


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





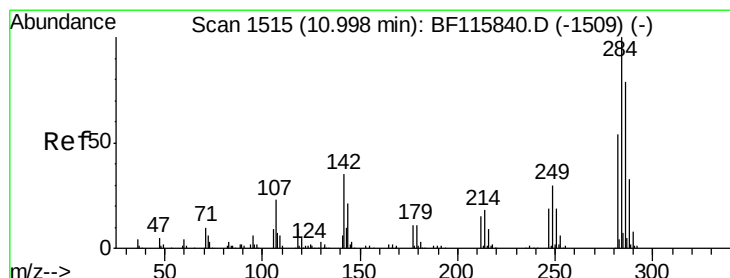
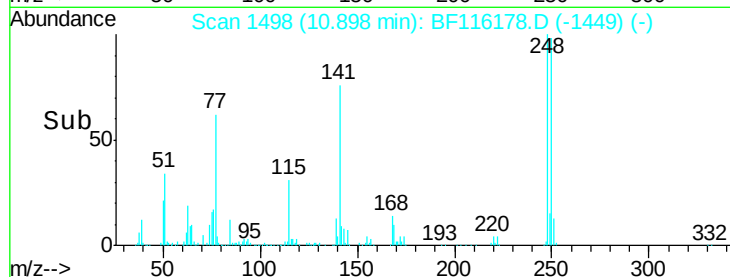
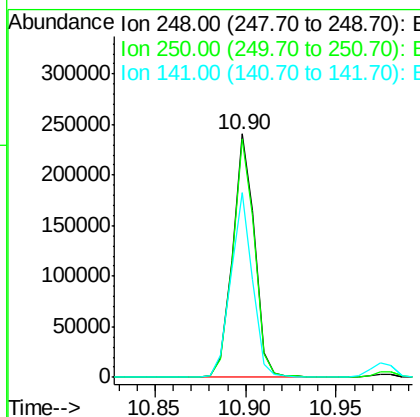
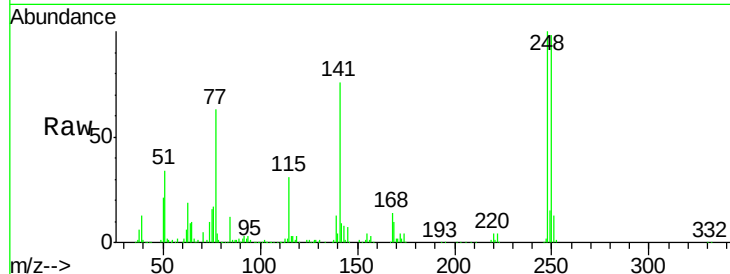
#67
4-Bromophenyl-phenylether
Concen: 44.468 ng
RT: 10.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.4	116.2
141	76.0	56.8	85.2

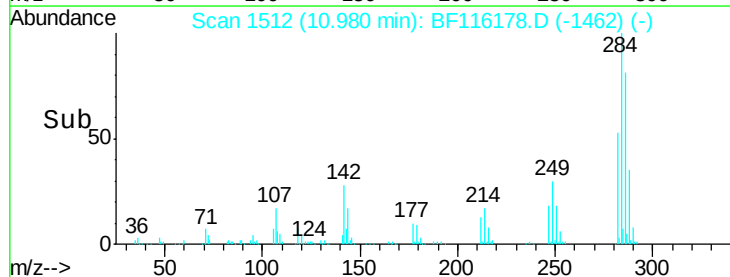
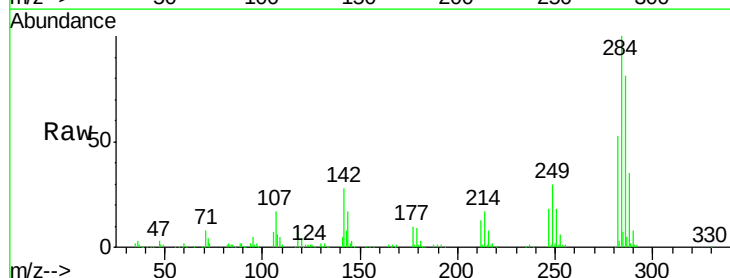
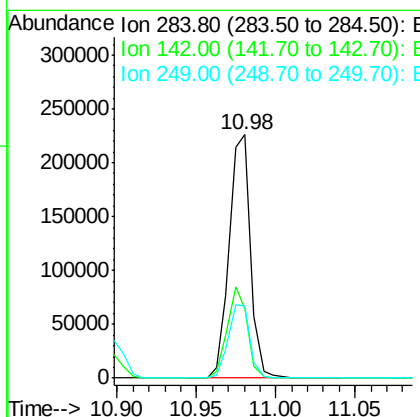
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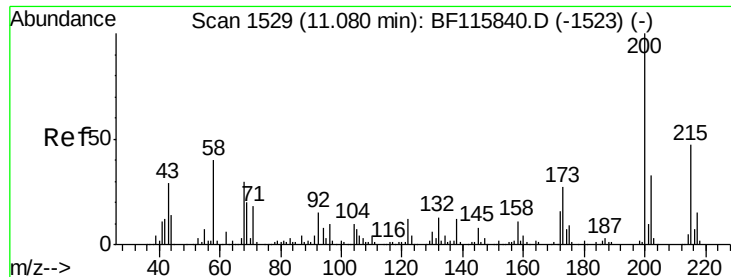
mohammad
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#68
Hexachlorobenzene
Concen: 39.918 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.5	28.4	42.6
249	29.7	24.5	36.7





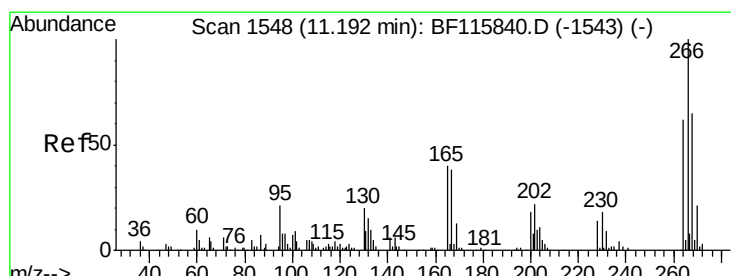
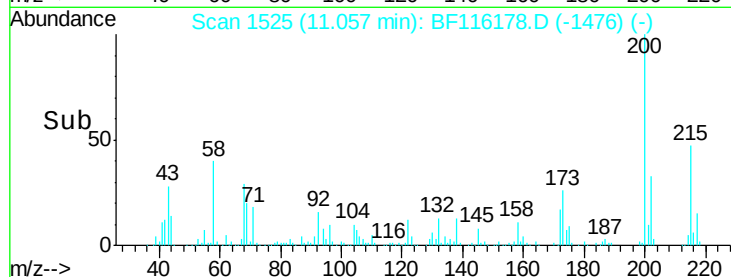
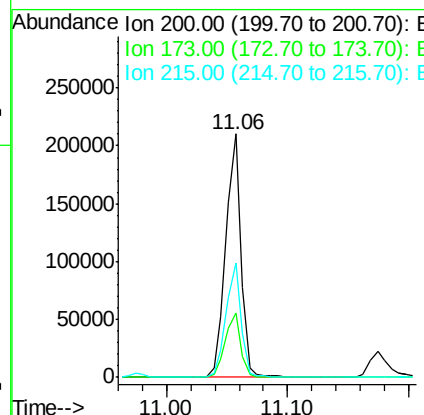
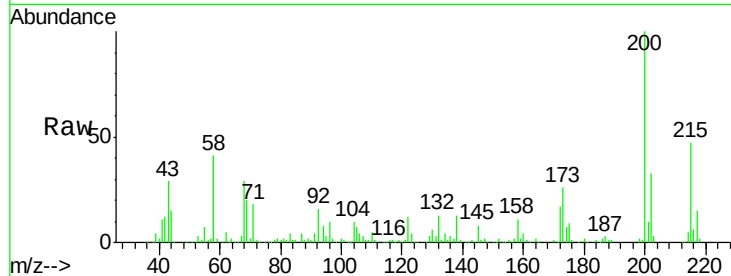
#69
 Atrazine
 Concen: 43.305 ng
 RT: 11.06 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	26.3	6.8	46.8
215	47.2	27.5	67.5

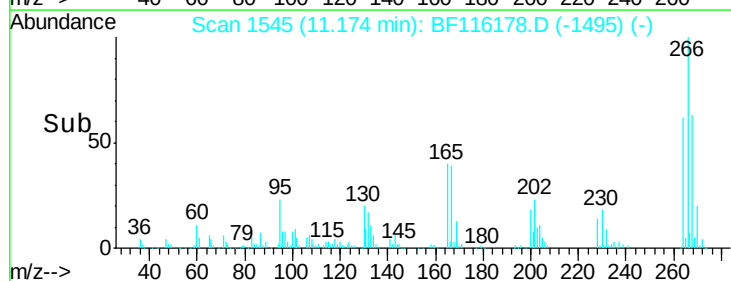
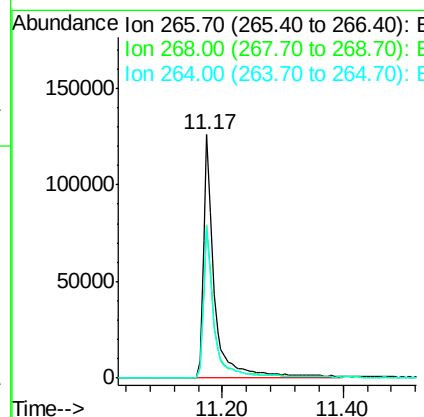
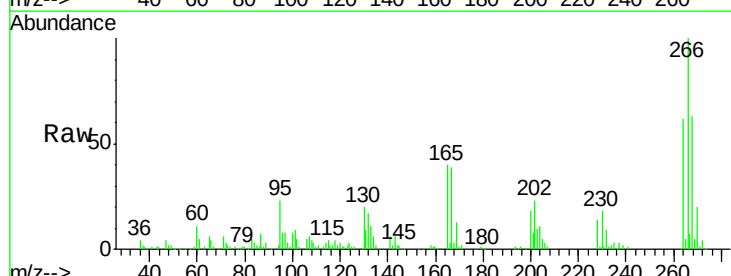
Manual Integrations
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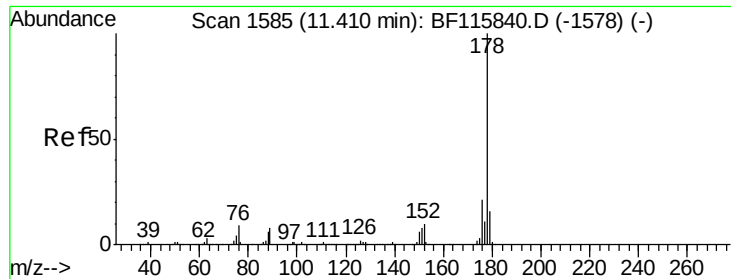
mohammad
 8/14/2019 2:55:22 AM



#70
 Pentachlorophenol
 Concen: 64.327 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.7	48.8	73.2
264	62.2	50.6	76.0





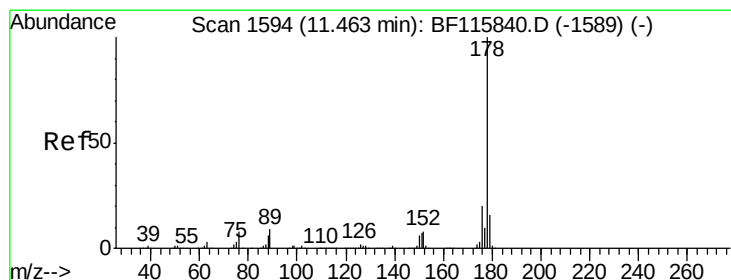
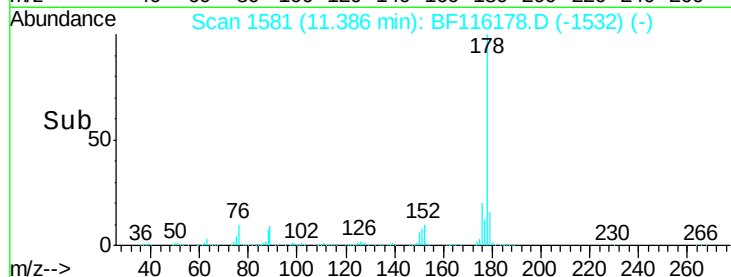
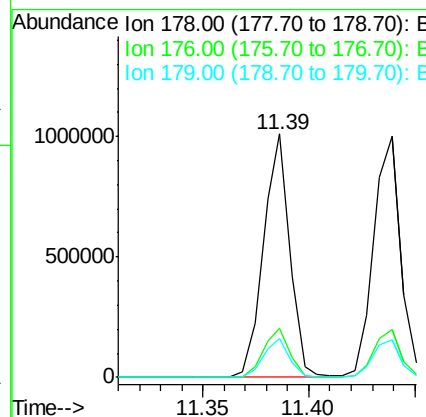
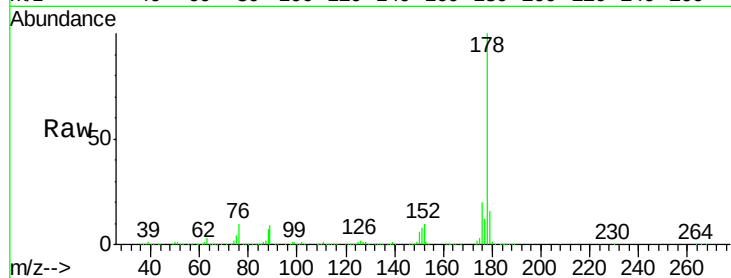
#71
 Phenanthrene
 Concen: 40.160 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.6	24.8
179	15.8	12.5	18.7

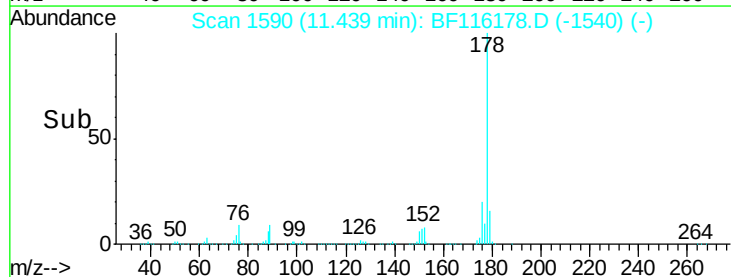
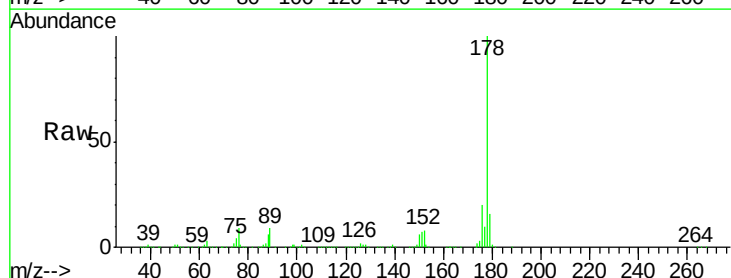
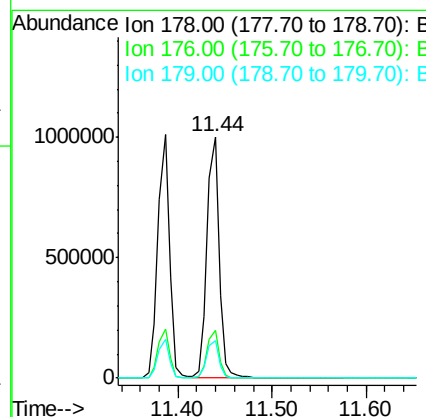
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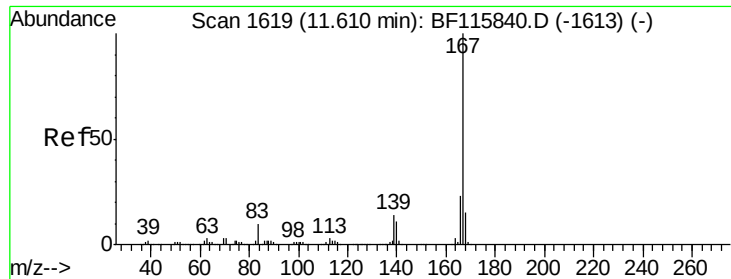
mohammad
 8/14/2019 2:55:22 AM



#72
 Anthracene
 Concen: 41.163 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.7	13.0	19.6





#73

Carbazole

Concen: 39.885 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

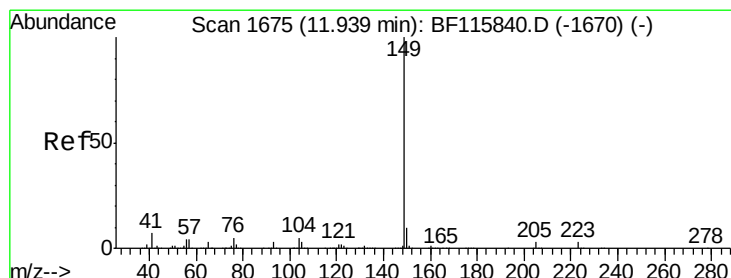
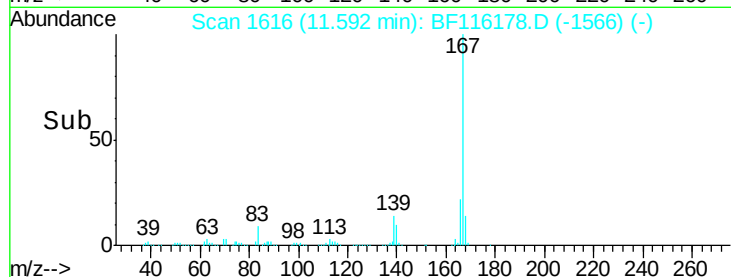
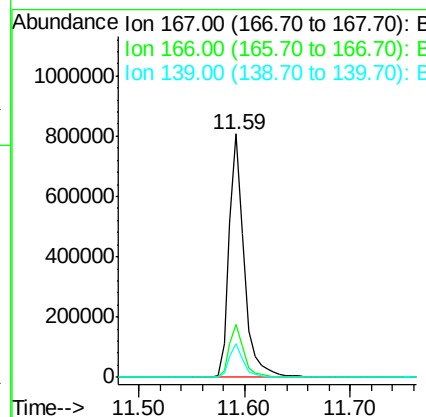
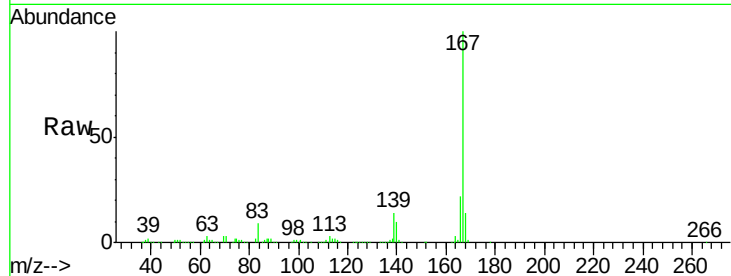
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion:	167	Resp:	800180
Ion Ratio		Lower	Upper
167	100		
166	21.8	17.8	26.6
139	13.7	11.4	17.0

Manual Integrations
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#74

Di-n-butylphthalate

Concen: 47.136 ng

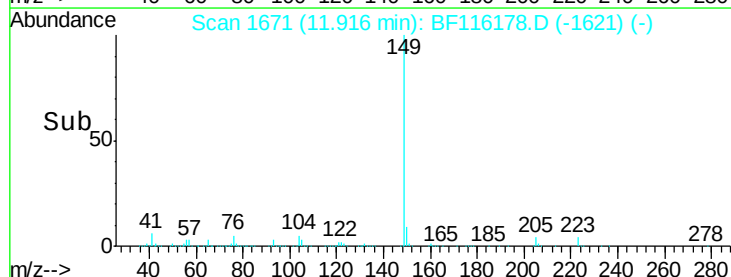
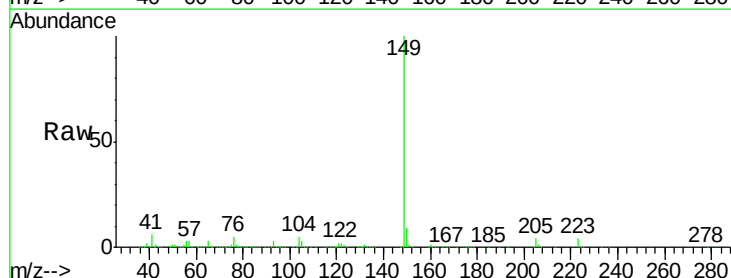
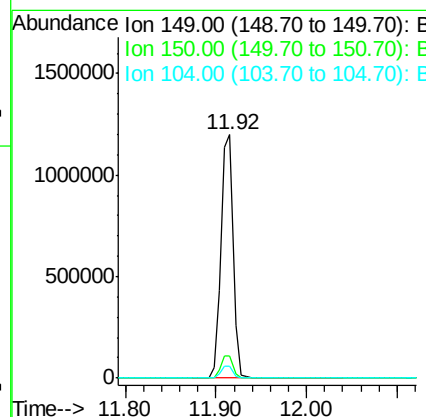
RT: 11.92 min Scan# 1671

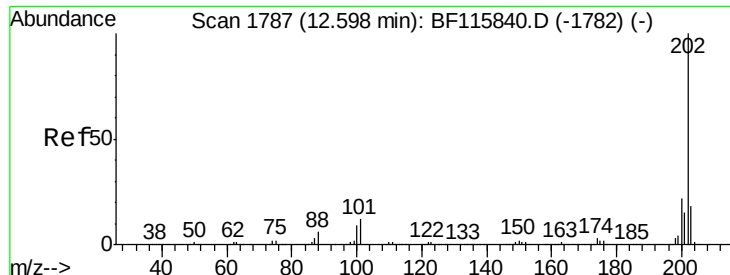
Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion:	149	Resp:	1103145
Ion Ratio		Lower	Upper
149	100		
150	9.3	8.0	12.0
104	4.8	4.5	6.7





#75

Fluoranthene

Concen: 36.315 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

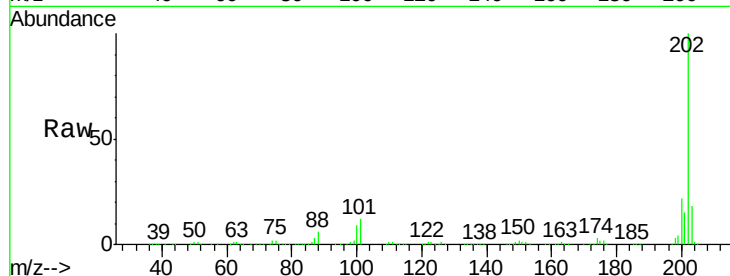
ClientSampleId :

CP-MW2-N-12-16-SOILMS

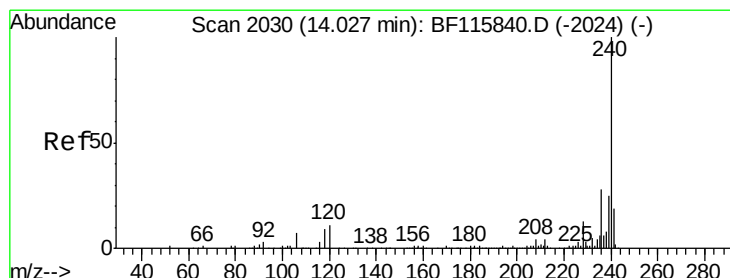
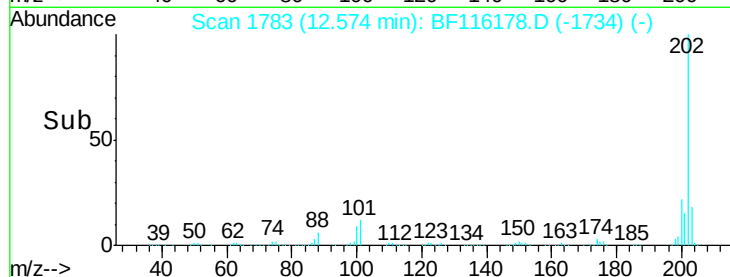
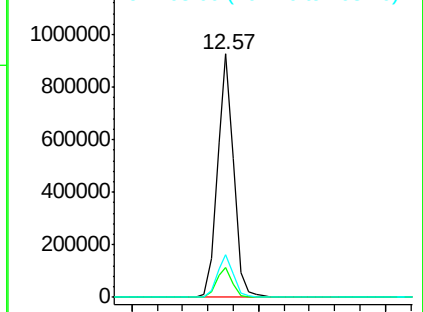
Tot Ion	Ratio	Resp	Lower	Upper
202	100	830702		
101	12.4	0.0	31.2	
203	17.7	0.0	37.8	

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

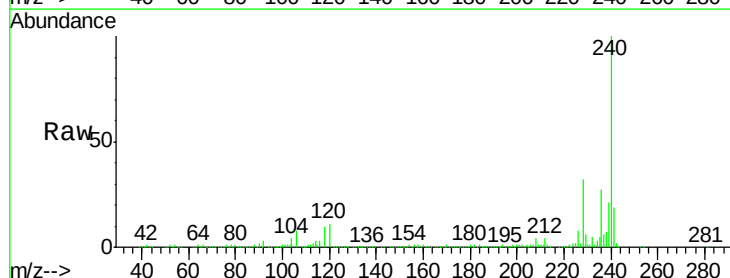
RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

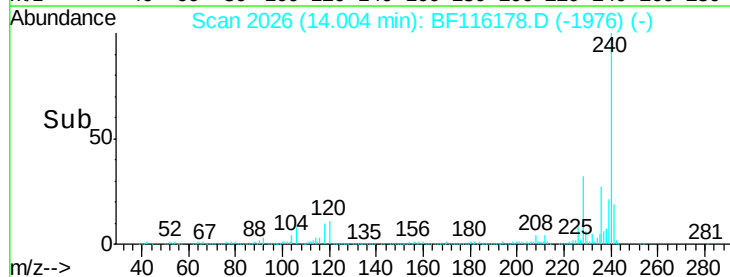
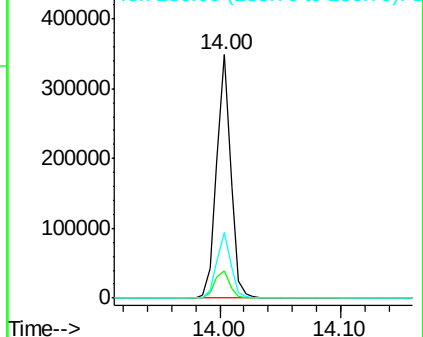
Lab File: BF116178.D

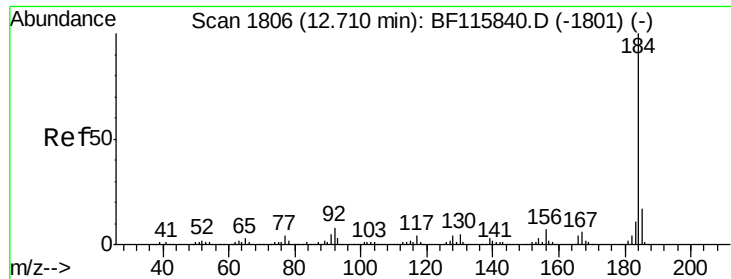
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	278526		
120	11.2	10.7	16.1	
236	26.8	22.2	33.2	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 53.480 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

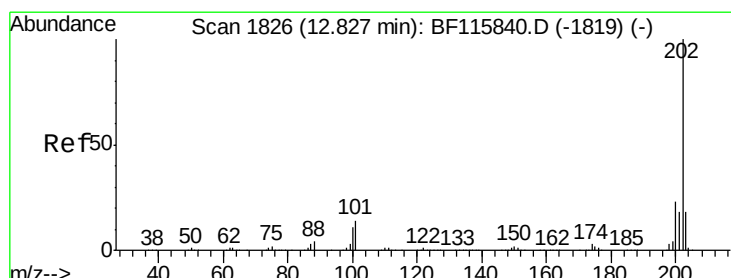
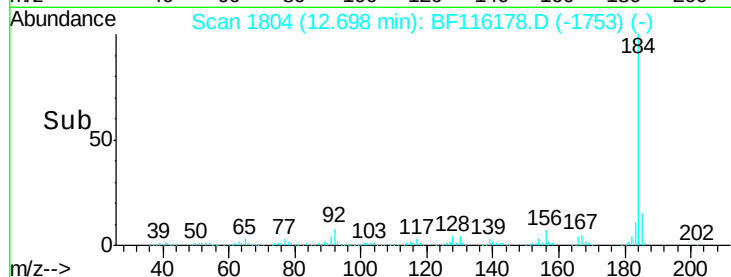
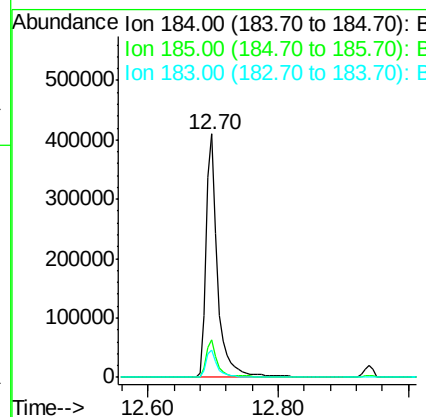
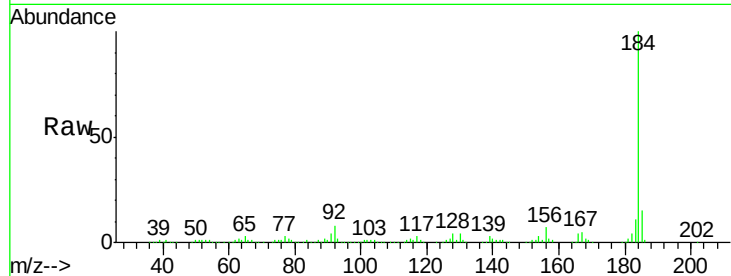
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tot Ion:	184	Resp:	503234
Ion Ratio	Lower	Upper	
184	100		
185	15.3	12.8	19.2
183	11.4	9.4	14.0

Manual Integrations
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#78

Pyrene

Concen: 39.763 ng

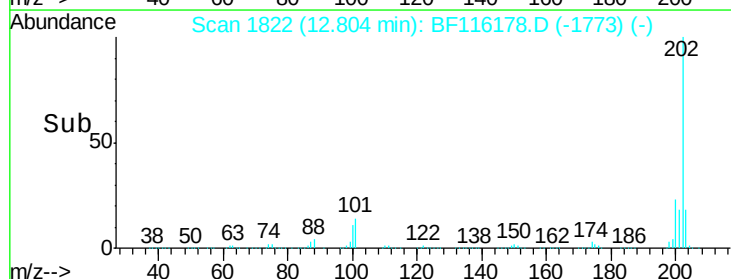
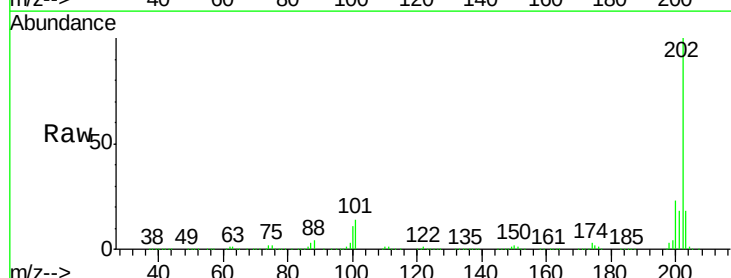
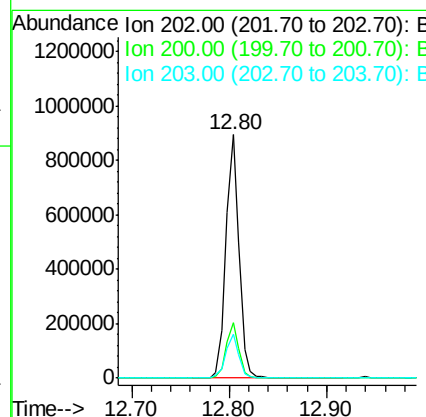
RT: 12.80 min Scan# 1822

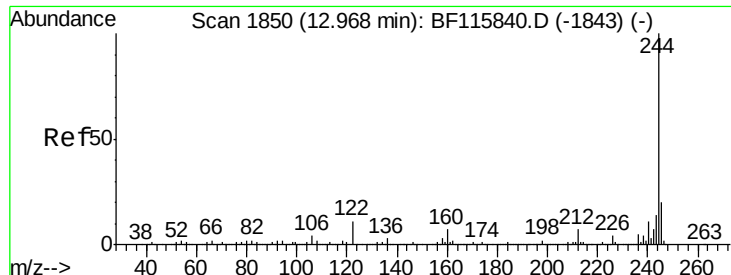
Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Tgt Ion:	202	Resp:	834851
Ion Ratio	Lower	Upper	
202	100		
200	22.7	18.0	27.0
203	17.9	14.1	21.1





#79

Terphenyl-d14

Concen: 97.181 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

Instrument :

BNA_F

ClientSampled :

CP-MW2-N-12-16-SOILMS

Tot Ion:244 Resp: 1284540

Ion Ratio Lower Upper

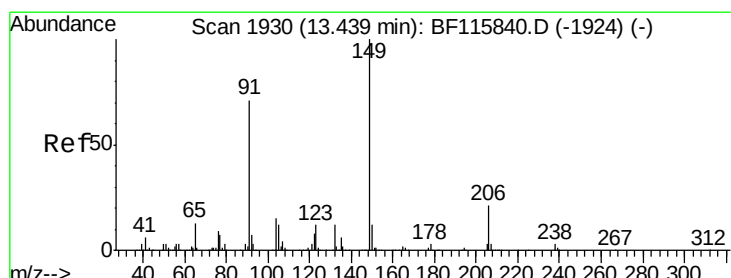
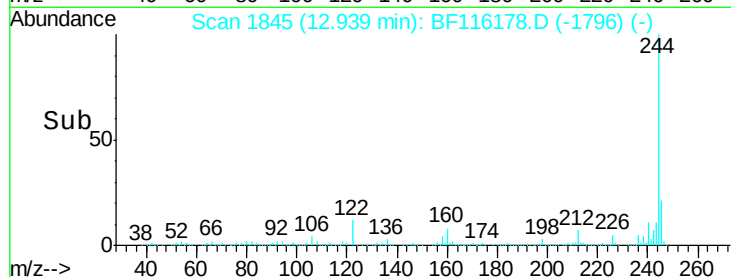
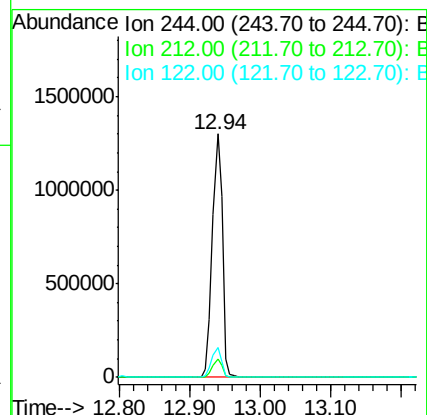
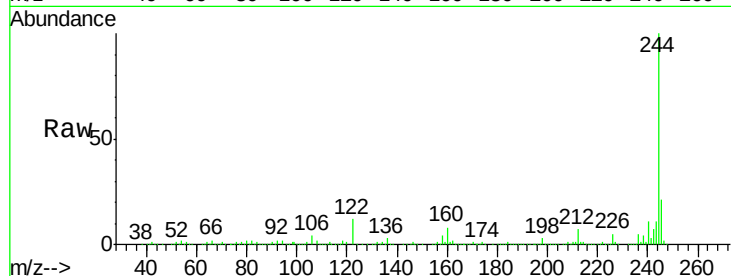
244 100

212 7.3 5.8 8.8

122 12.1 9.0 13.4

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 44.175 ng

RT: 13.41 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BF116178.D

Acq: 11 Aug 2019 6:18

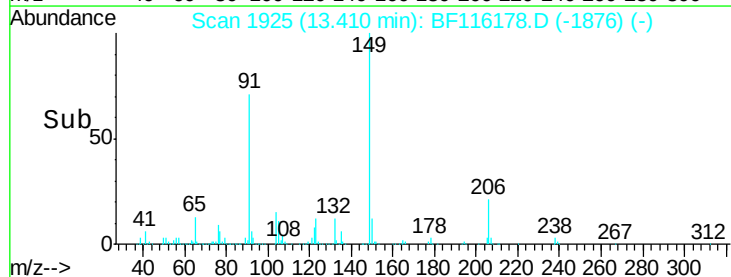
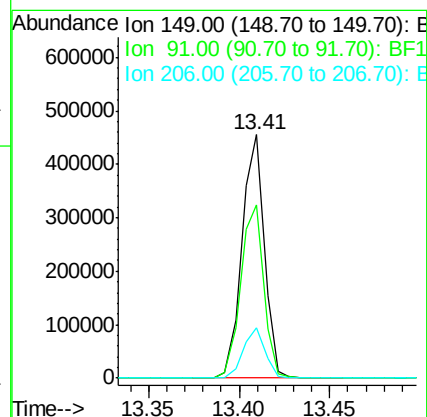
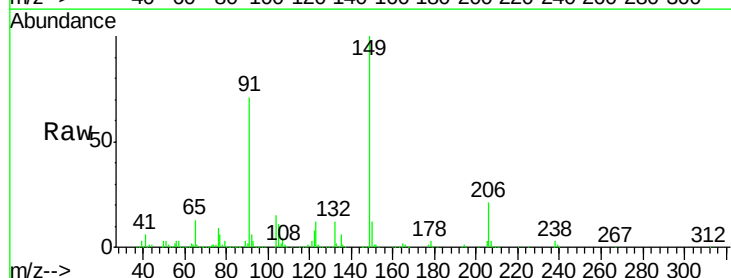
Tgt Ion:149 Resp: 392330

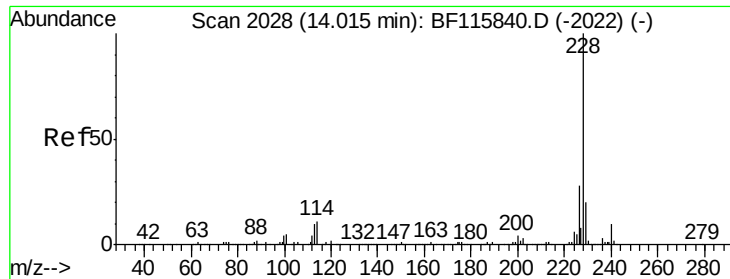
Ion Ratio Lower Upper

149 100

91 70.9 56.3 84.5

206 20.9 18.0 27.0





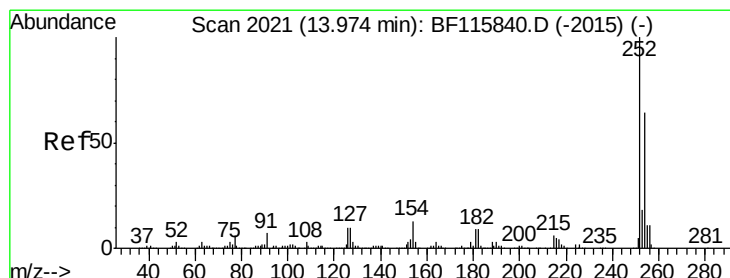
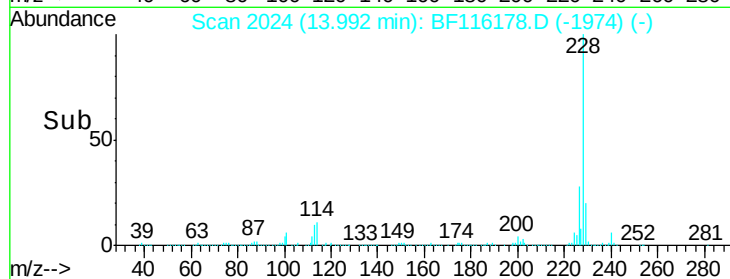
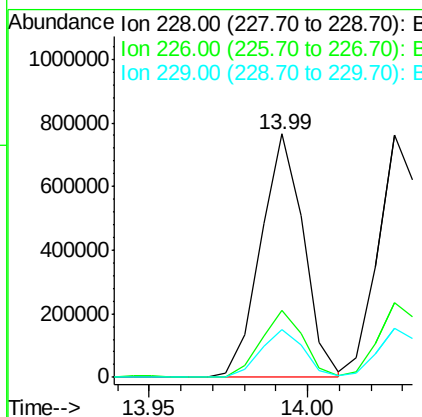
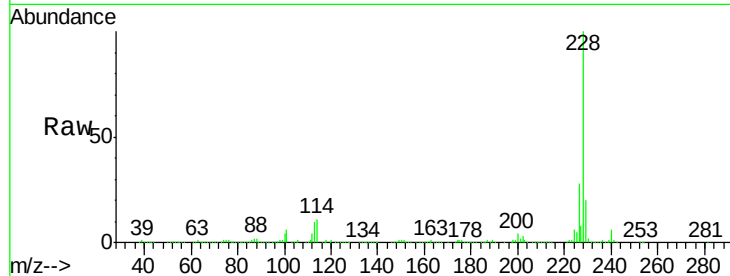
#81
Benzo(a)anthracene
Concen: 40.189 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	27.7	22.7	34.1		
229	19.9	16.2	24.4		

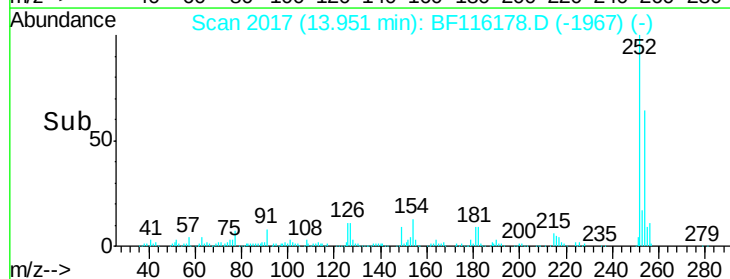
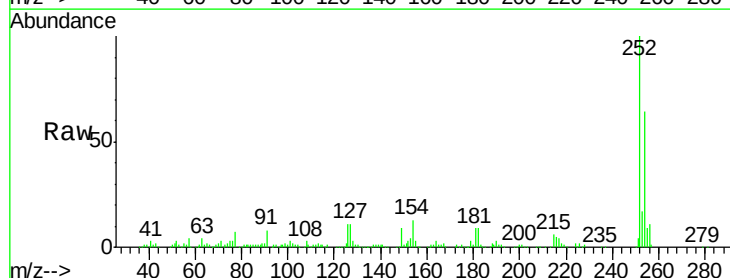
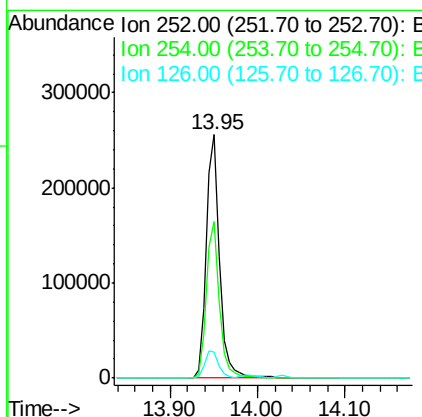
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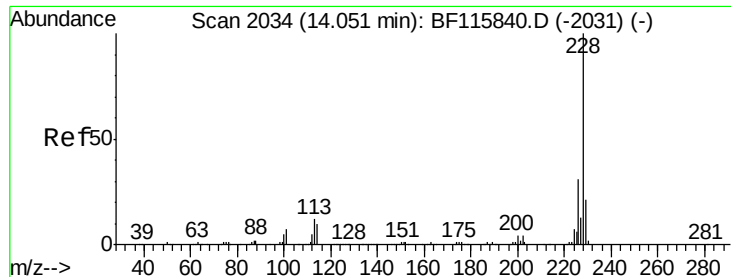
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 43.925 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
254	64.1	50.9	76.3		
126	10.6	9.8	14.8		





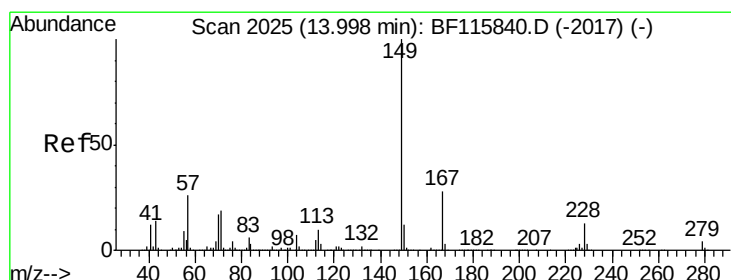
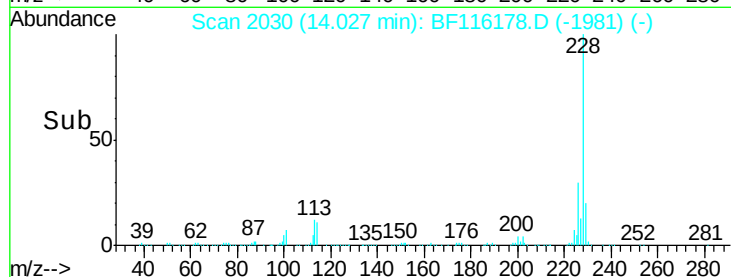
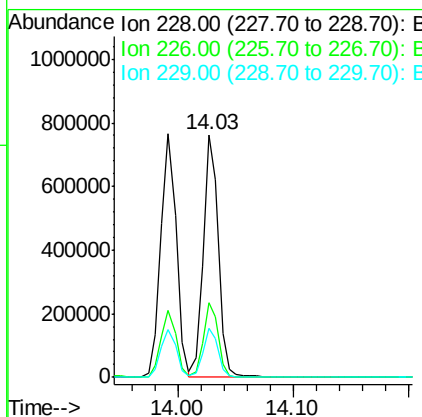
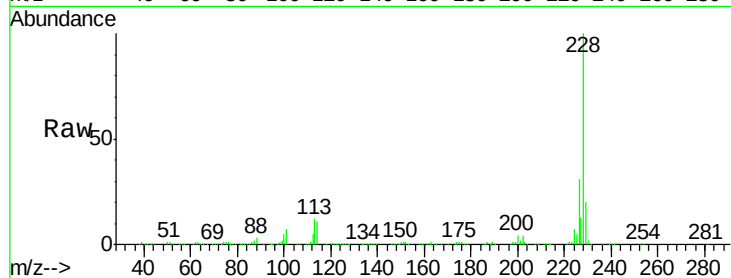
#83
 Chrysene
 Concen: 40.498 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.5	38.3
229	20.1	16.6	24.8

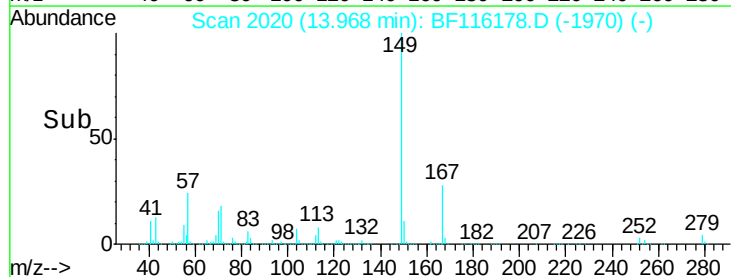
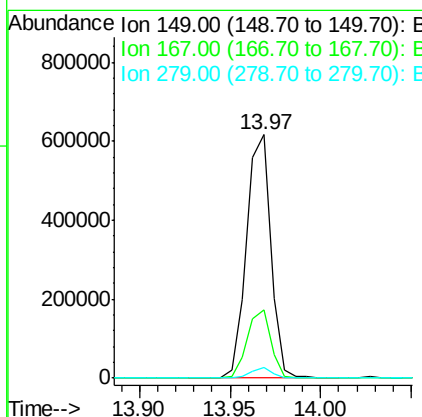
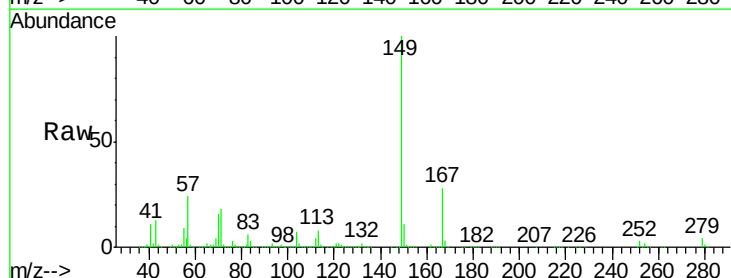
Manual Integrations
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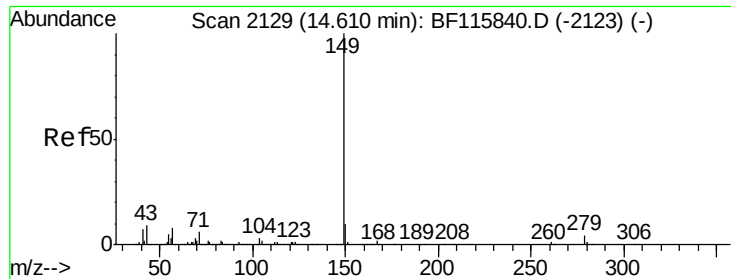
mohammad
 8/14/2019 2:55:22 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 50.036 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116178.D
 Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.6	32.4
279	4.2	3.0	4.4





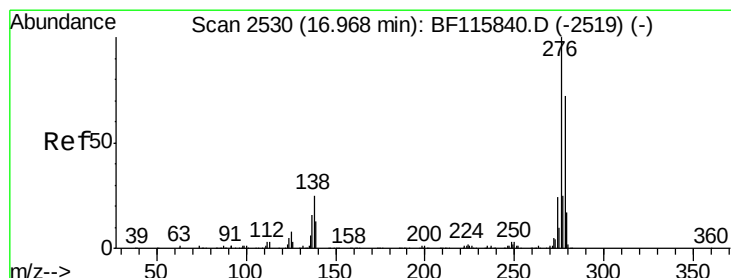
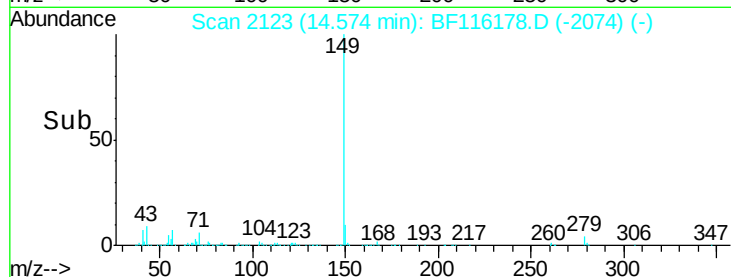
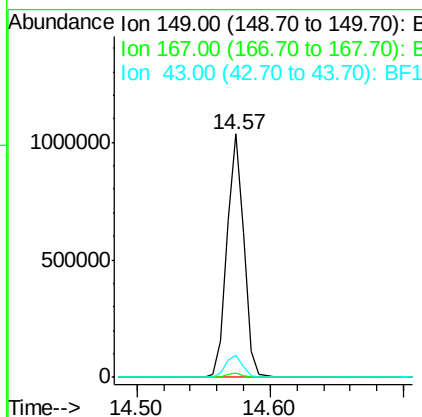
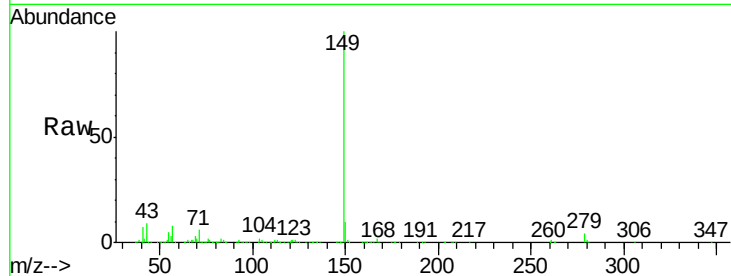
#85
Di-n-octyl phthalate
Concen: 50.710 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.6	1.4	2.0
43	8.9	7.5	11.3

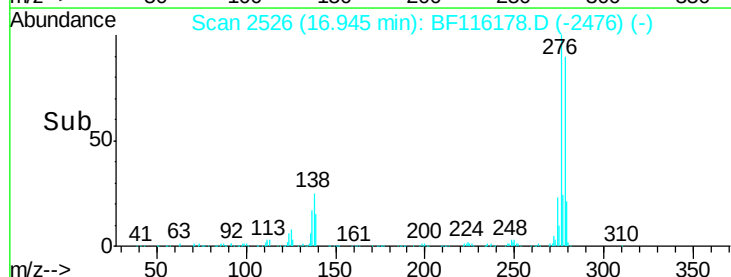
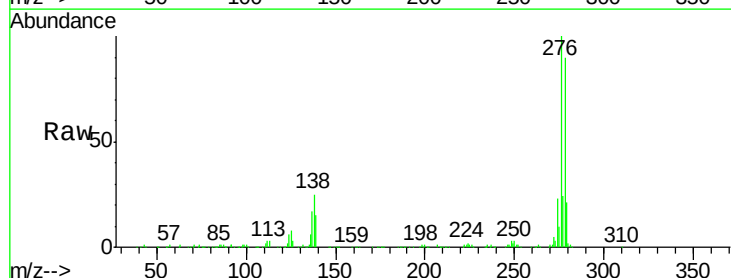
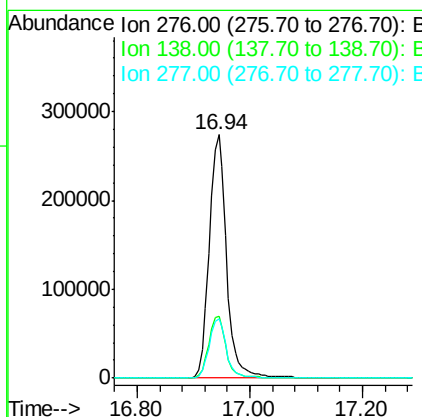
Manual Integrations
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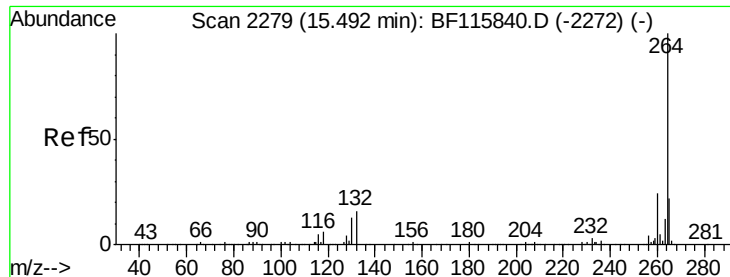
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 40.261 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	25.5	20.4	30.6
277	24.7	20.0	30.0





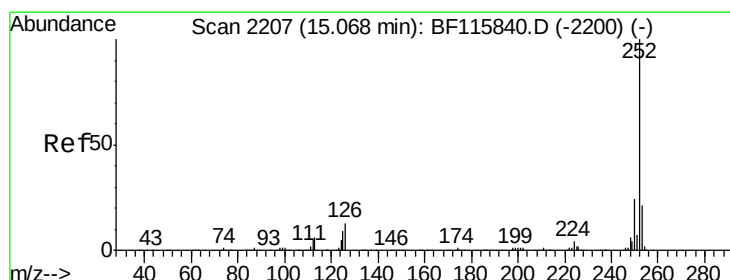
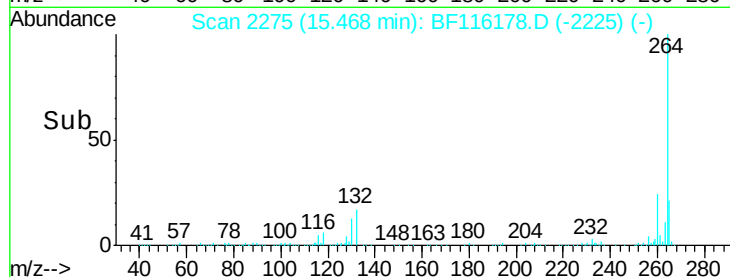
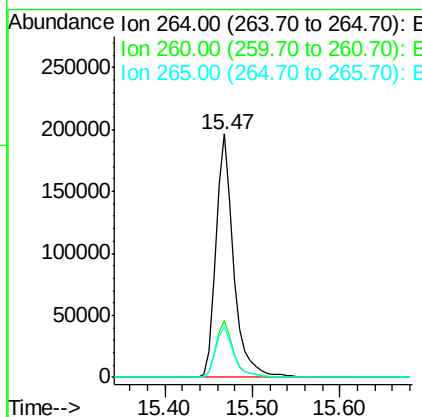
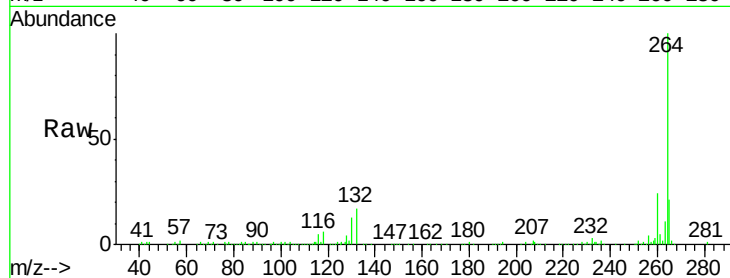
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.7	29.5
265	20.7	17.4	26.0

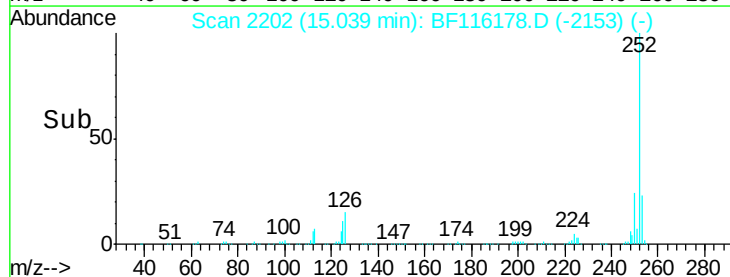
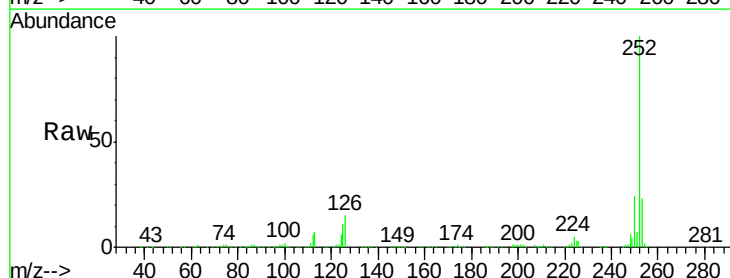
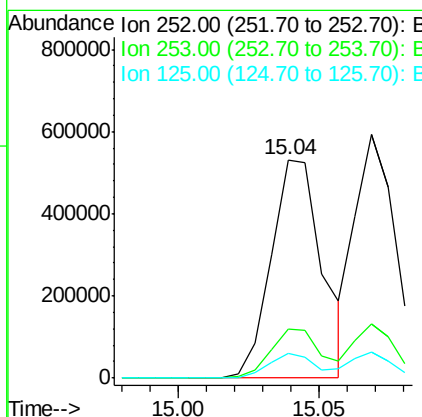
Manual Integrations
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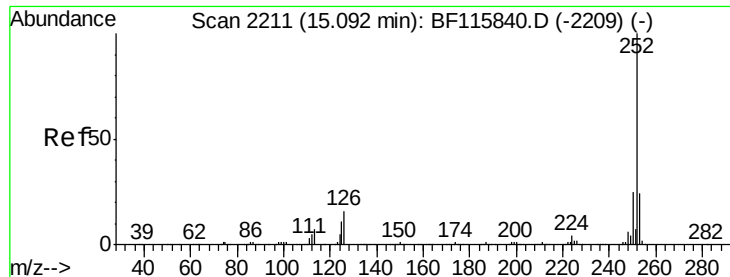
mohammad
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#88
Benzo(b)fluoranthene
Concen: 41.853 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	11.5	8.4	12.6





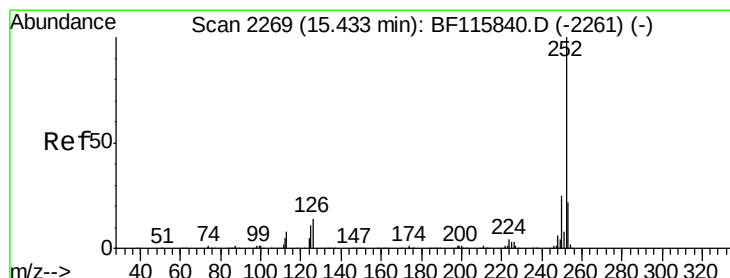
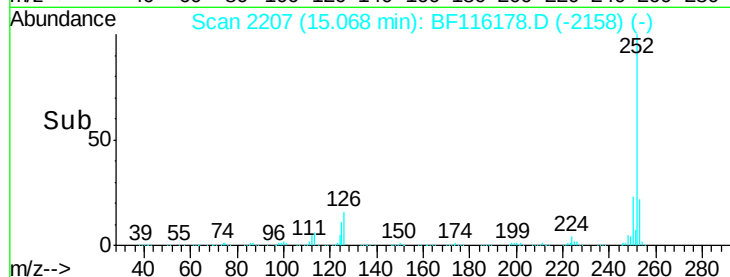
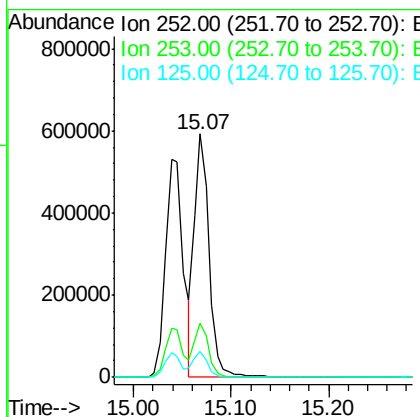
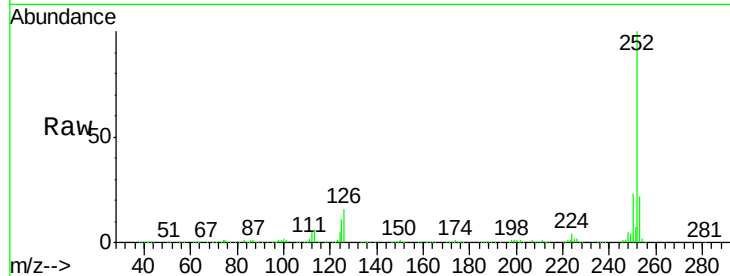
#89
Benzo(k)fluoranthene
Concen: 39.597 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.9	7.7	11.5

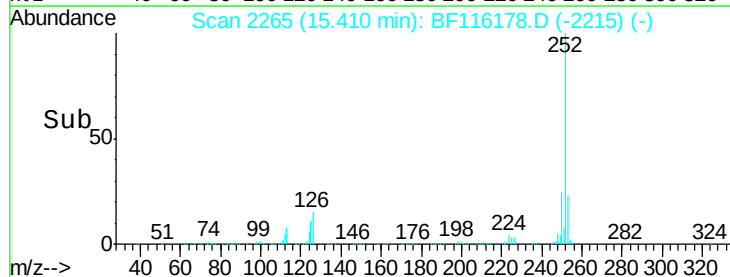
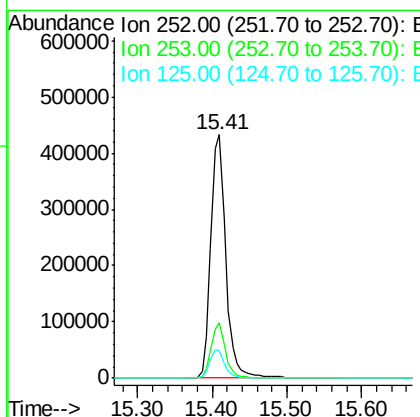
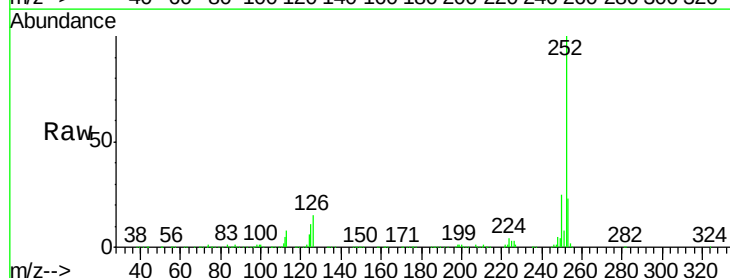
Manual Integrations
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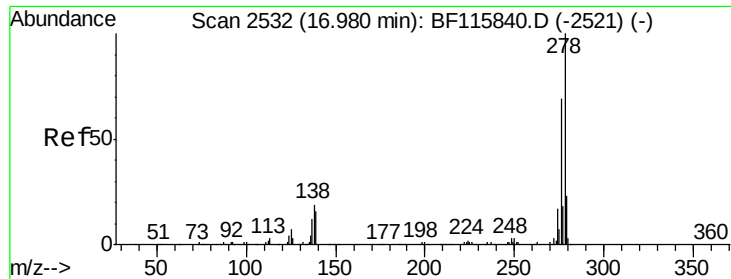
mohammad
8/14/2019 2:55:22 AM



#90
Benzo(a)pyrene
Concen: 42.224 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.4	8.9	13.3





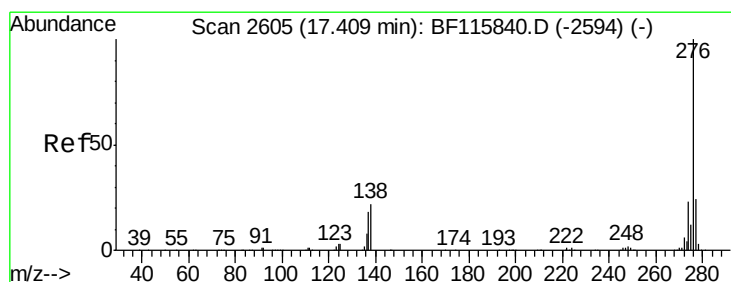
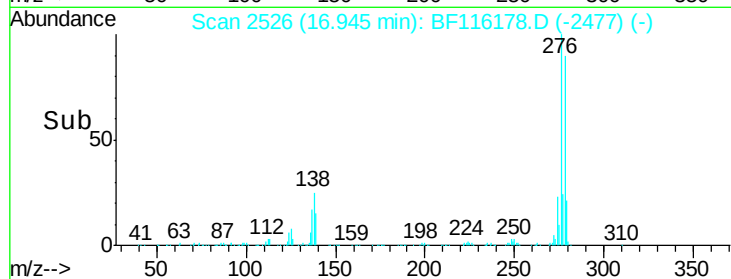
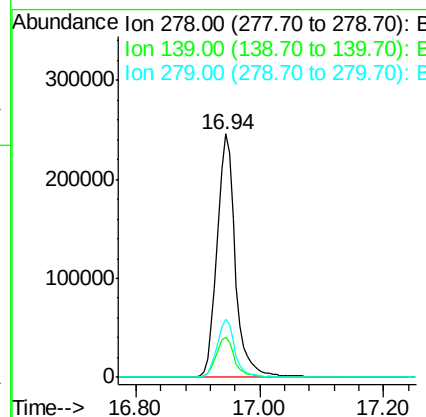
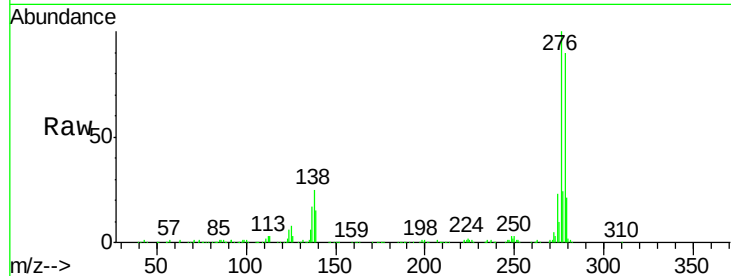
#91
Dibenzo(a,h)anthracene
Concen: 40.669 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	12.8	19.2
279	23.9	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/14/2019 2:55:22 AM



#92
Benzo(g,h,i)perylene
Concen: 37.961 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.00 min
Lab File: BF116178.D
Acq: 11 Aug 2019 6:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	22.0	17.0	25.6

