

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082019\
 Data File : BF116432.D
 Acq On : 20 Aug 2019 14:02
 Operator : HP/JU
 Sample : K4165-03MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Jagrut
 8/21/2019 3:51:11 PM

Quant Time: Aug 20 15:35:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	104605	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	431163	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	239412	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	435831	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	322721	20.00	ng	-0.01
87) Perylene-d12	15.42	264	331648	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	530429	84.89	ng	0.00
7) Phenol-d6	6.46	99	681963	86.50	ng	0.00
23) Nitrobenzene-d5	7.37	82	424015	56.77	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	188247	81.10	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	719702	56.31	ng	-0.01
79) Terphenyl-d14	12.90	244	831319	54.28	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.55	88	108098	34.244	ng	98
3) Pyridine	3.32	79	272512	30.904	ng	99
4) n-Nitrosodimethylamine	3.26	42	116811	33.567	ng	# 100
6) Aniline	6.47	93	346012	30.647	ng	# 74
8) 2-Chlorophenol	6.60	128	296897	42.968	ng	98
9) Benzaldehyde	6.36	77	147086	27.040	ng	99
10) Phenol	6.47	94	386364	41.617	ng	89
11) bis(2-Chloroethyl)ether	6.54	93	281063	41.178	ng	99
12) 1,3-Dichlorobenzene	6.75	146	312064	39.079	ng	98
13) 1,4-Dichlorobenzene	6.82	146	324727	40.613	ng	97
14) 1,2-Dichlorobenzene	6.97	146	300474	40.813	ng	100
15) Benzyl Alcohol	6.96	79	249021	41.622	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.07	45	367258	39.447	ng	# 37
17) 2-Methylphenol	7.07	107	245802	42.012	ng	# 90
18) Hexachloroethane	7.31	117	113675	38.615	ng	98
19) n-Nitroso-di-n-propylamine	7.22	70	213484	43.699	ng	97
20) 3+4-Methylphenols	7.23	107	325275	46.980	ng	# 76
22) Acetophenone	7.22	105	414246	43.808	ng	# 93
24) Nitrobenzene	7.39	77	331867	41.147	ng	97
25) Isophorone	7.63	82	595865	41.719	ng	99
26) 2-Nitrophenol	7.71	139	161903	42.585	ng	94
27) 2,4-Dimethylphenol	7.75	122	266229	46.545	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	367706	41.536	ng	99
29) 2,4-Dichlorophenol	7.96	162	259170	42.914	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	275317	39.992	ng	99
31) Naphthalene	8.10	128	863309	42.549	ng	99
32) Benzoic acid	7.90	122	126130	31.277	ng	97
33) 4-Chloroaniline	8.16	127	269397	29.717	ng	98
34) Hexachlorobutadiene	8.22	225	152163	38.373	ng	99
35) Caprolactam	8.53	113	83410m	42.702	ng	
36) 4-Chloro-3-methylphenol	8.66	107	275517	43.852	ng	97
37) 2-Methylnaphthalene	8.80	142	574500	42.994	ng	98
38) 1-Methylnaphthalene	8.89	142	538615	42.607	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	260478	40.697	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	75359	30.207	ng	100
43) 2,4,6-Trichlorophenol	9.09	196	166201	37.726	ng	99
44) 2,4,5-Trichlorophenol	9.13	196	174329	38.281	ng	98
46) 1,1'-Biphenyl	9.26	154	710931	42.061	ng	98
47) 2-Chloronaphthalene	9.29	162	557135	39.604	ng	99
48) 2-Nitroaniline	9.39	65	181865	39.111	ng	98
49) Acenaphthylene	9.70	152	838510	40.856	ng	99
50) Dimethylphthalate	9.56	163	800072	49.080	ng	100
51) 2,6-Dinitrotoluene	9.63	165	146671	41.403	ng #	84
52) Acenaphthene	9.87	154	515558	40.947	ng	100
53) 3-Nitroaniline	9.80	138	132763	30.330	ng	98
54) 2,4-Dinitrophenol	9.93	184	88231	51.999	ng	99
55) Dibenzofuran	10.05	168	736612	40.229	ng	99
56) 4-Nitrophenol	9.99	139	161270	57.513	ng	92
57) 2,4-Dinitrotoluene	10.05	165	187615	39.777	ng	94
58) Fluorene	10.39	166	613185	43.527	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.17	232	155533	40.595	ng	96
60) Diethylphthalate	10.26	149	653339	42.928	ng	100
61) 4-Chlorophenyl-phenylether	10.37	204	306738	42.992	ng	97
62) 4-Nitroaniline	10.42	138	165932	36.681	ng	99
63) Azobenzene	10.53	77	668373	42.697	ng	99
65) 4,6-Dinitro-2-methylphenol	10.46	198	88358	38.257	ng	99
66) n-Nitrosodiphenylamine	10.49	169	547756	41.756	ng	100
67) 4-Bromophenyl-phenylether	10.86	248	188711	40.448	ng	99
68) Hexachlorobenzene	10.94	284	206050	38.193	ng	98
69) Atrazine	11.02	200	174853	40.517	ng	98
70) Pentachlorophenol	11.14	266	138149	52.744	ng	98
71) Phenanthrene	11.35	178	920441	41.311	ng	100
72) Anthracene	11.40	178	955235	42.363	ng	99
73) Carbazole	11.56	167	869835	42.519	ng	100
74) Di-n-butylphthalate	11.87	149	1070151	44.843	ng	99
75) Fluoranthene	12.54	202	1000172	42.879	ng	99
77) Benzidine	12.66	184	420252	38.545	ng	98
78) Pyrene	12.77	202	1005580	41.336	ng	99
80) Butylbenzylphthalate	13.37	149	474580	46.118	ng	96
81) Benzo(a)anthracene	13.96	228	838721	40.661	ng	99
82) 3,3'-Dichlorobenzidine	13.91	252	279781	39.041	ng	99
83) Chrysene	13.99	228	829342	41.414	ng	99
84) Bis(2-ethylhexyl)phthalate	13.92	149	678526	50.741	ng	100
85) Di-n-octyl phthalate	14.53	149	1104689	52.009	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	832041	49.469	ng	100
88) Benzo(b)fluoranthene	15.00	252	774810	40.405	ng	99
89) Benzo(k)fluoranthene	15.03	252	734434	39.321	ng	98
90) Benzo(a)pyrene	15.36	252	737932	43.048	ng	99
91) Dibenzo(a,h)anthracene	16.88	278	699454	47.138	ng	98
92) Benzo(g,h,i)perylene	17.32	276	691531	47.454	ng	99

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

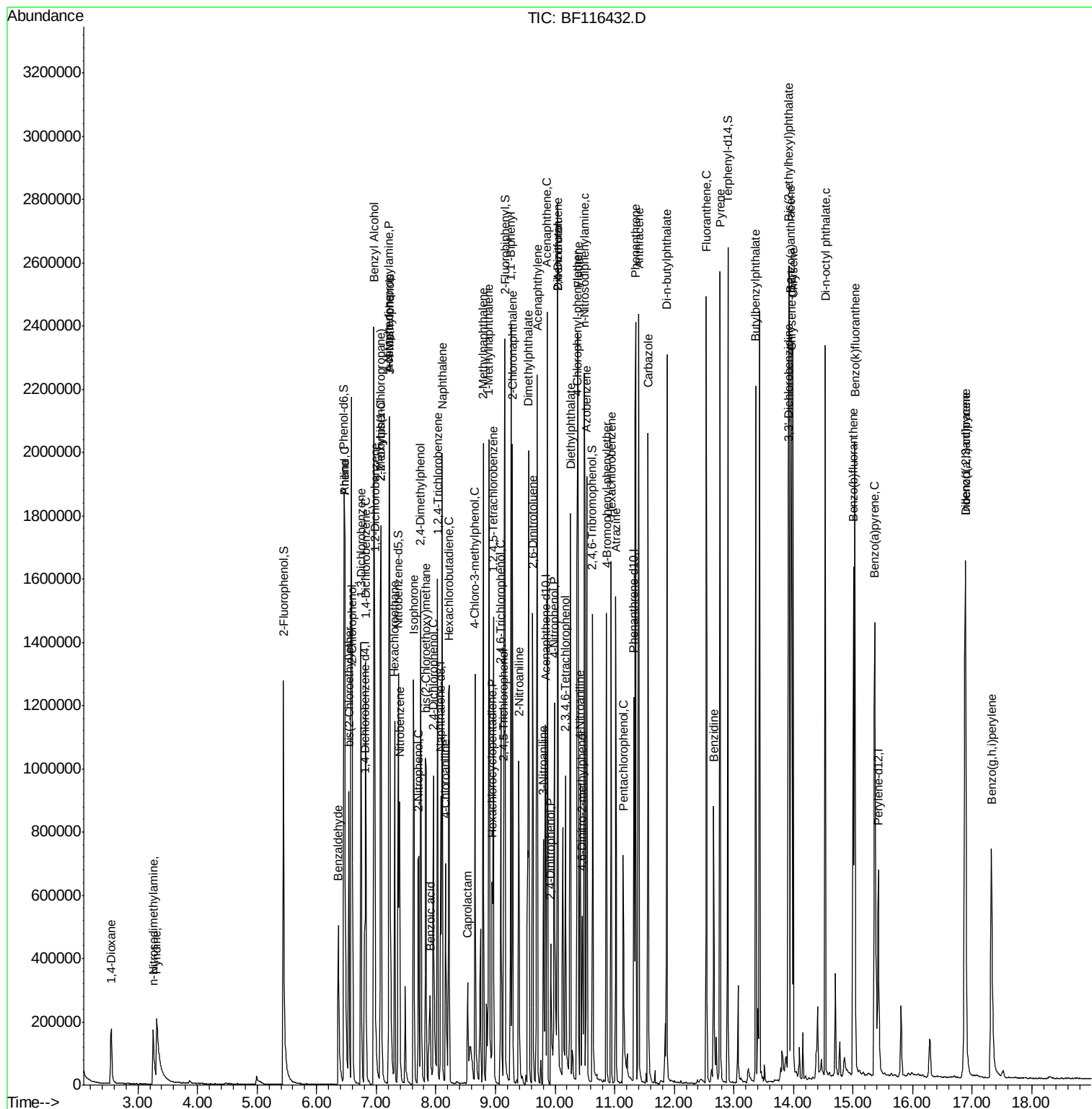
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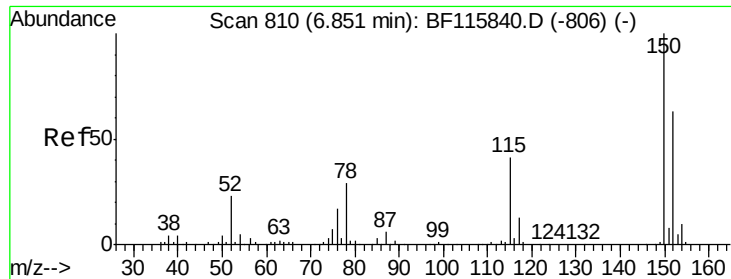
Instrument :
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#1

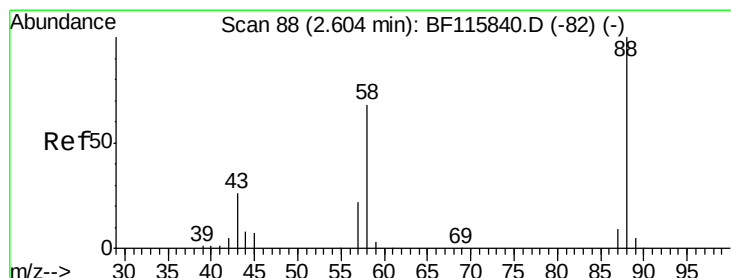
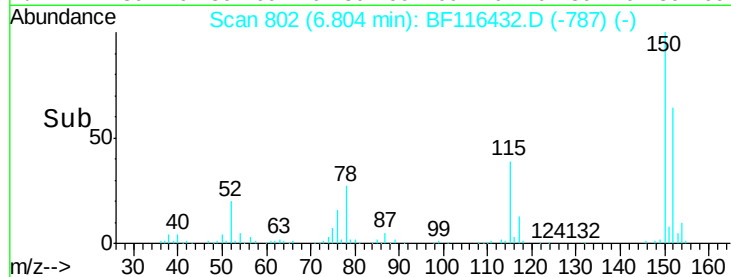
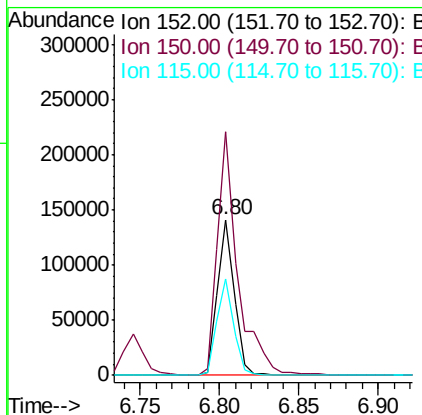
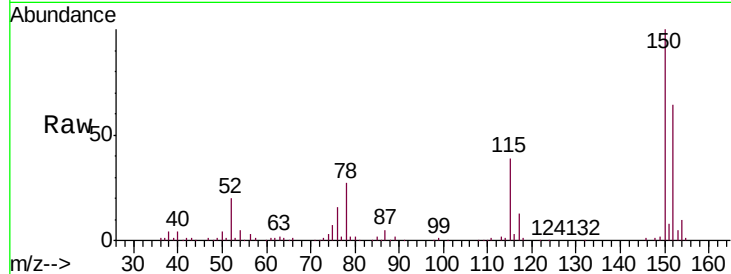
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.2	189.2
115	61.7	49.9	74.9

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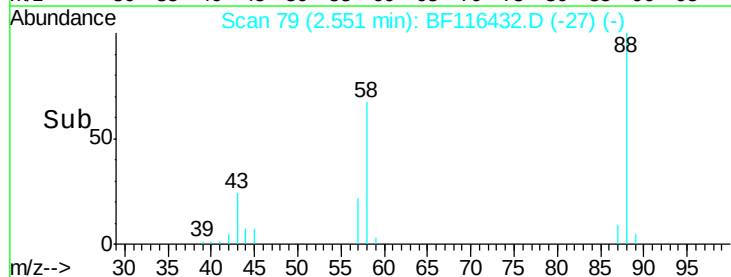
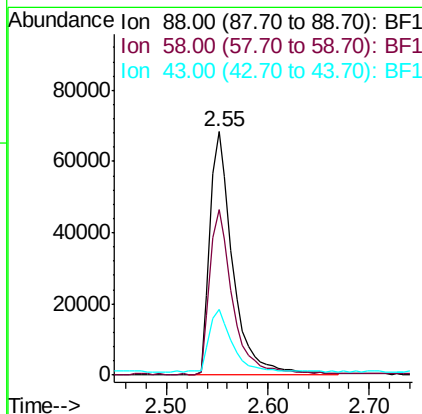
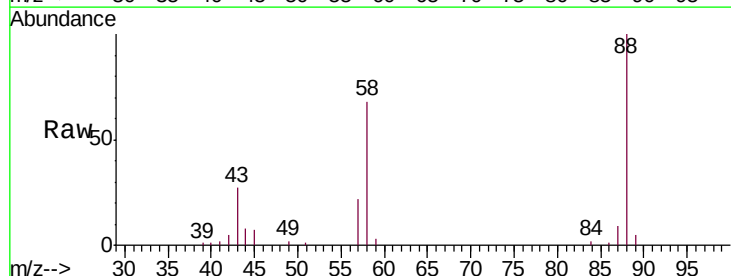
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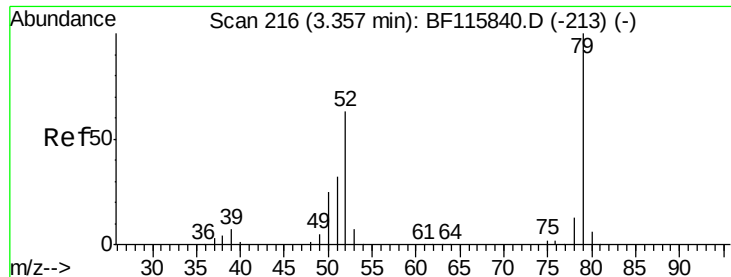


#2

1,4-Dioxane
Concen: 34.244 ng
RT: 2.55 min Scan# 79
Delta R.T. 0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.8	53.7	80.5
43	26.2	21.0	31.4





#3

Pyridine

Concen: 30.904 ng

RT: 3.32 min Scan# 209

Delta R.T. 0.02 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

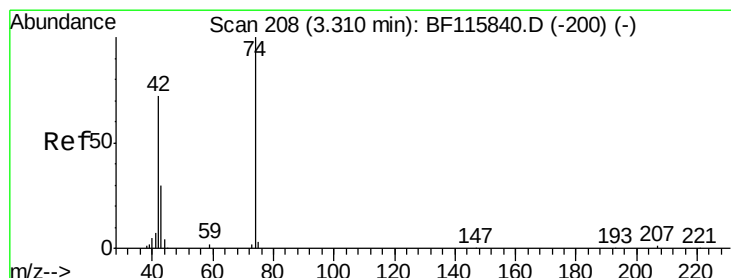
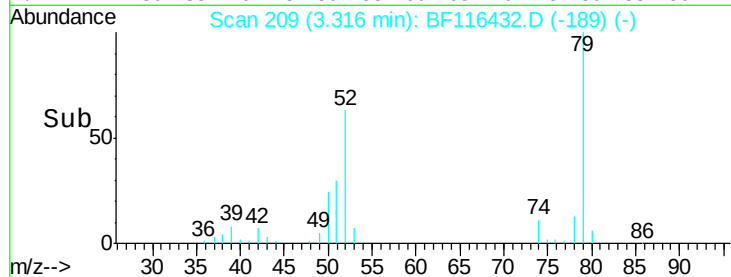
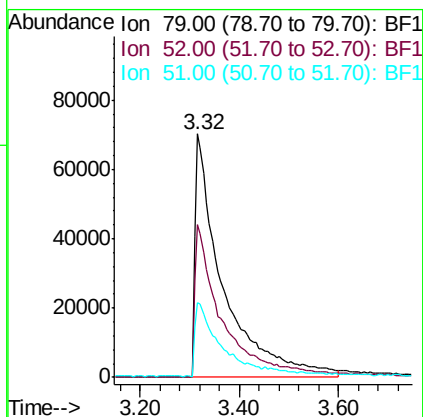
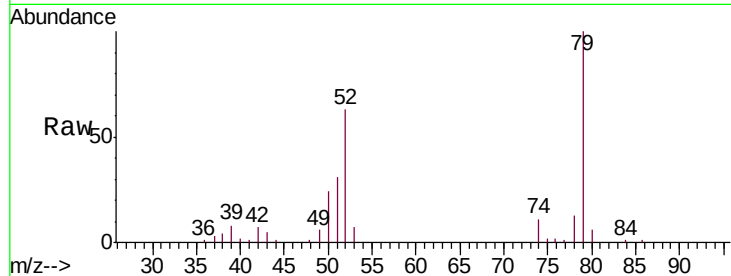
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	79	Resp:	272512
Ion	Ratio	Lower	Upper
79	100		
52	62.7	49.8	74.8
51	30.7	25.2	37.8

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 33.567 ng

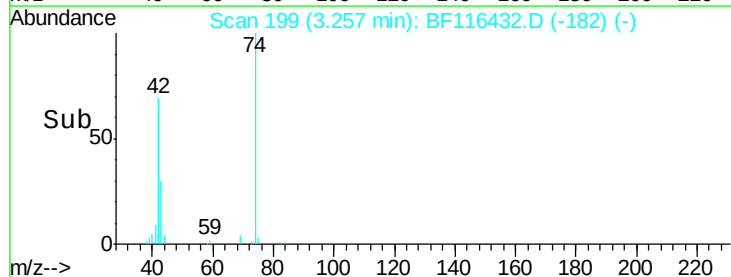
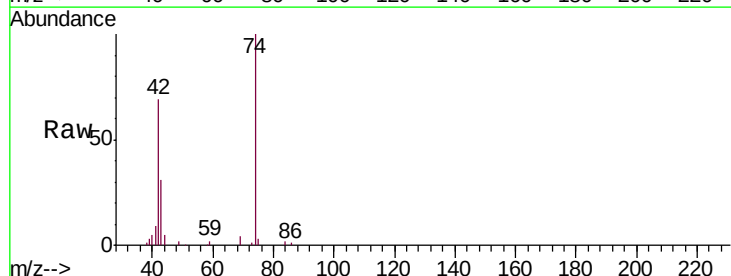
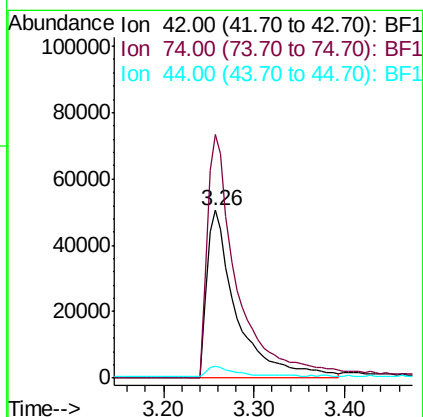
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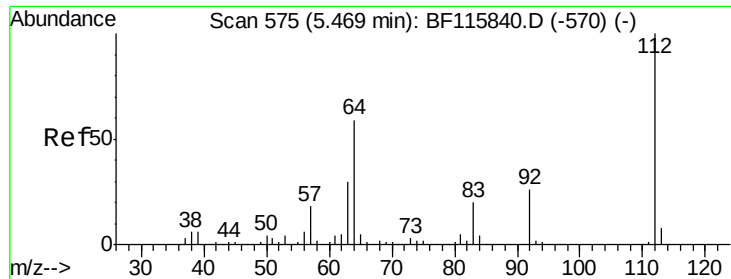
Delta R.T. -0.00 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	42	Resp:	116811
Ion	Ratio	Lower	Upper
42	100		
74	145.3	116.0	174.0
44	7.1	4.6	7.0





#5

2-Fluorophenol

Concen: 84.888 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

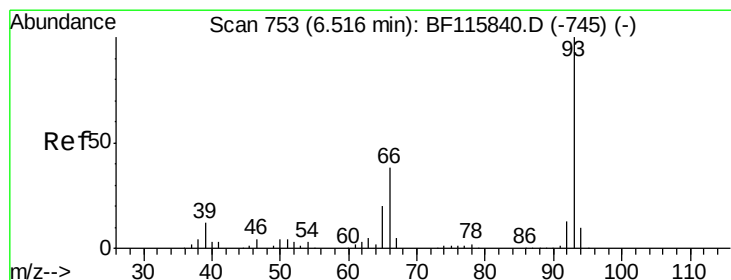
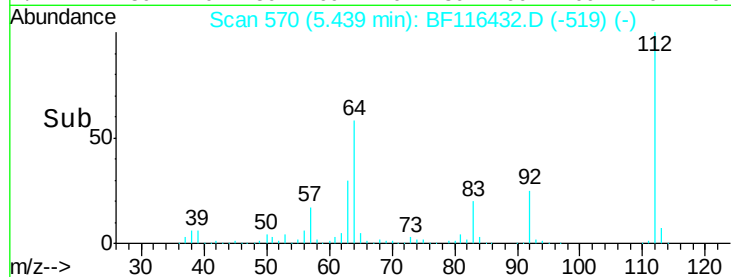
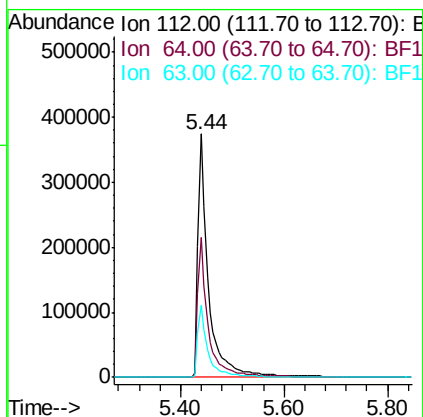
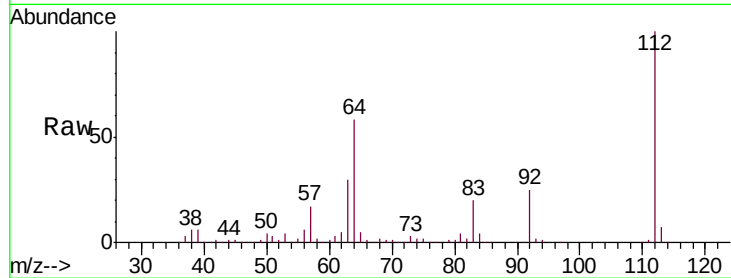
ClientSampleId :

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Tgt Ion:	112	Resp:	530429
Ion Ratio	Lower	Upper	
112	100		
64	57.6	45.4	68.2
63	29.6	23.7	35.5

Manual Integrations
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#6

Aniline

Concen: 30.647 ng

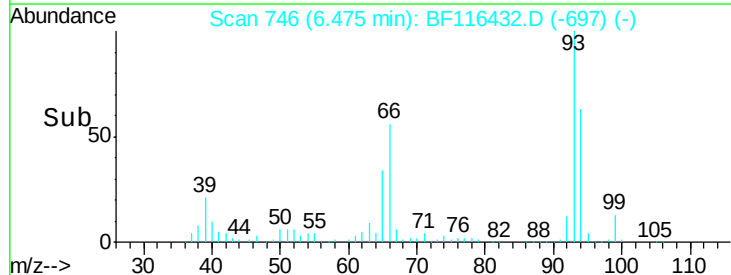
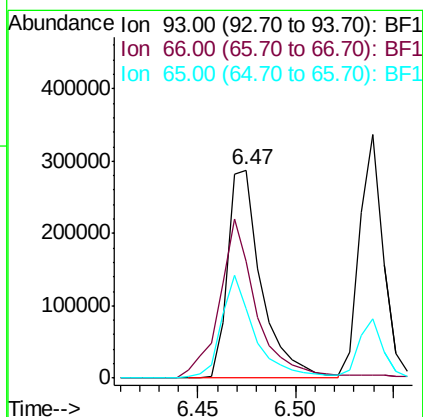
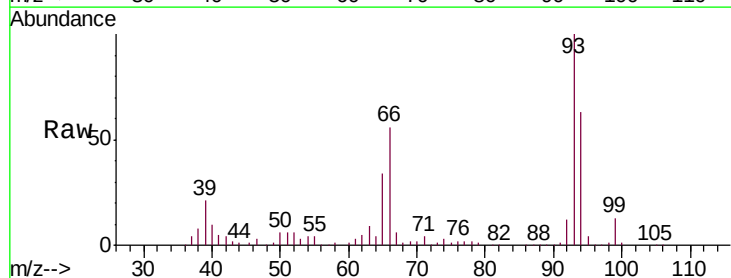
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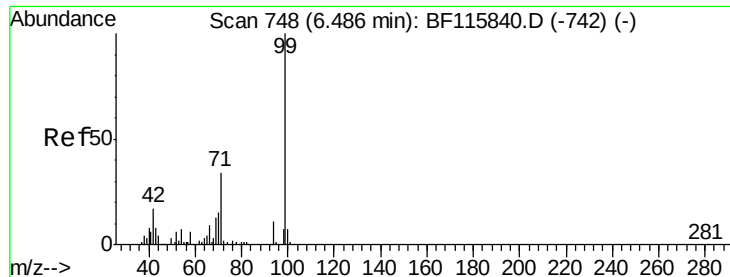
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	93	Resp:	346012
Ion Ratio	Lower	Upper	
93	100		
66	56.0	32.2	48.4#
65	33.7	17.0	25.6#





#7

Phenol-d6

Concen: 86.503 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

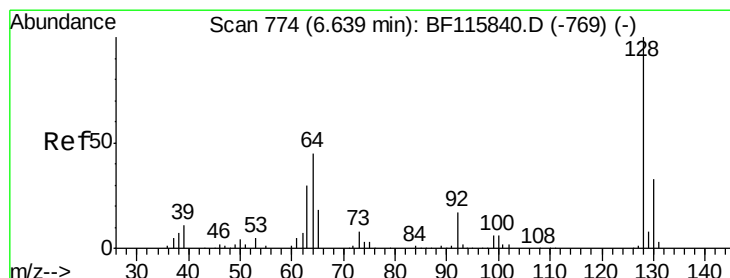
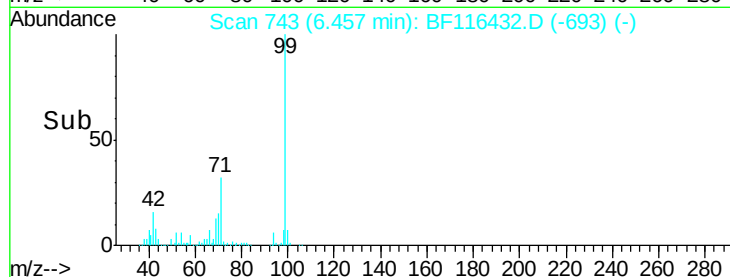
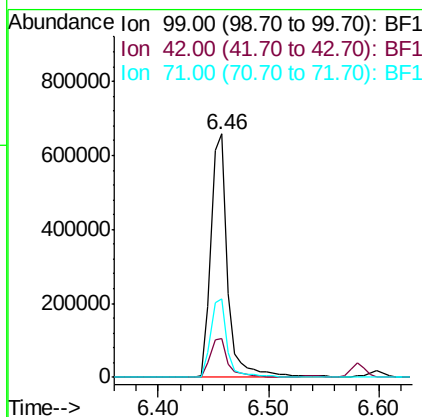
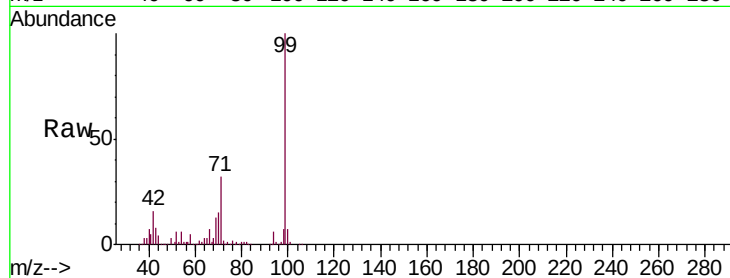
ClientSampleId :

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Tgt Ion:	99	Resp:	681963
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.8	20.8
71	32.2	27.3	40.9

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#8

2-Chlorophenol

Concen: 42.968 ng

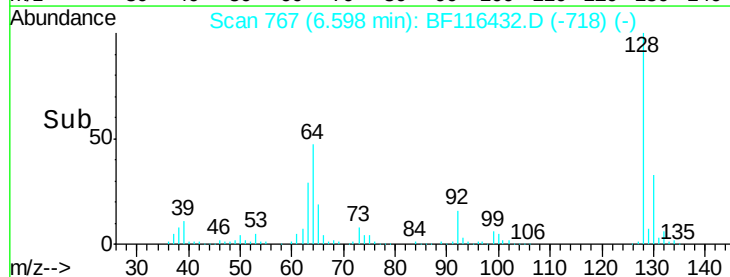
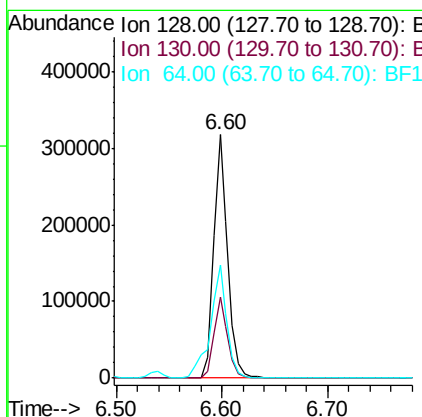
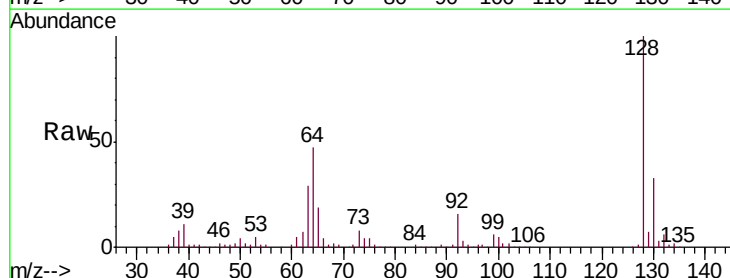
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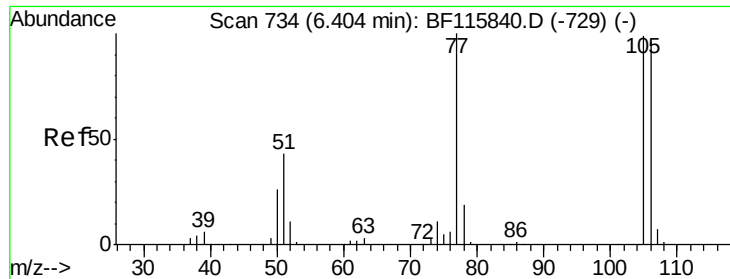
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	128	Resp:	296897
Ion Ratio	Lower	Upper	
128	100		
130	33.1	12.9	52.9
64	46.7	24.3	64.3





#9

Benzaldehyde

Concen: 27.040 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

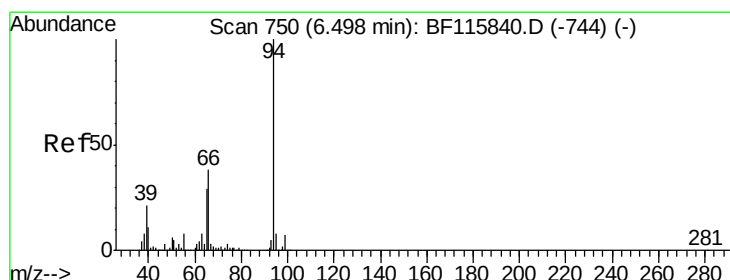
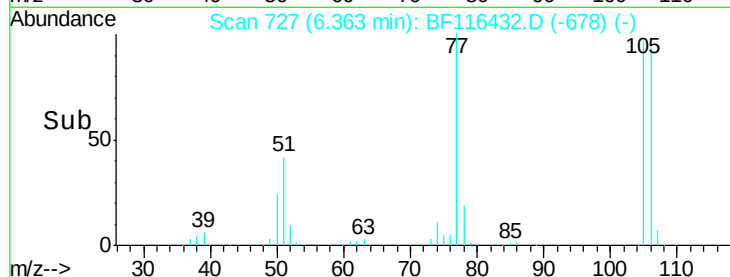
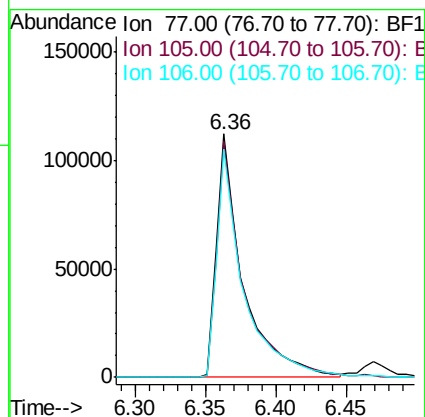
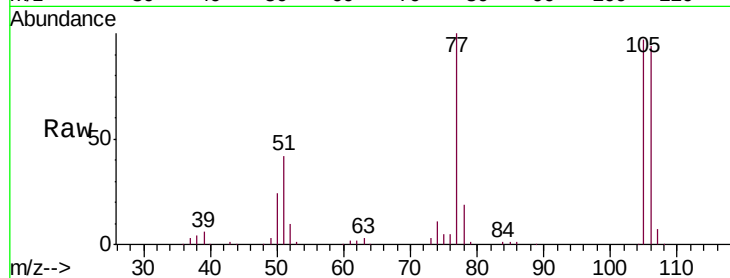
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
77	100		
105	97.0	79.2	119.2
106	93.9	74.3	114.3

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#10

Phenol

Concen: 41.617 ng

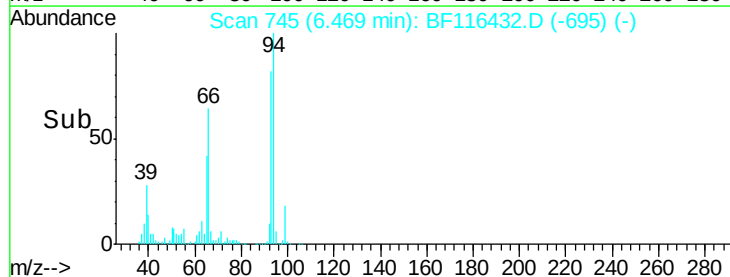
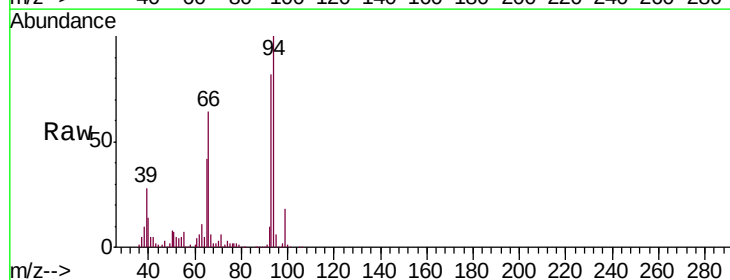
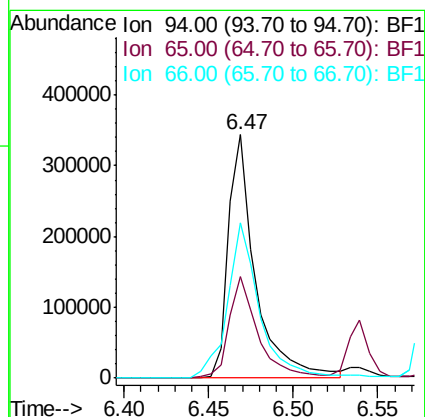
RT: 6.47 min Scan# 745

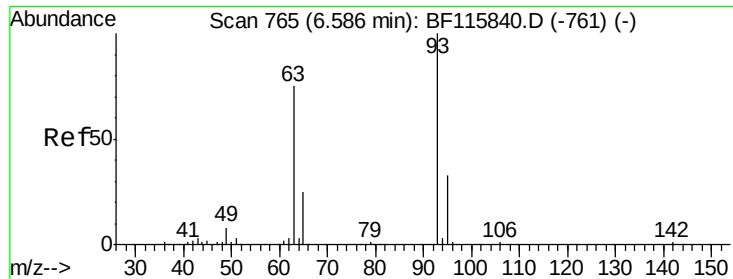
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Lower	Upper
94	100		
65	41.5	16.8	56.8
66	64.0	34.2	74.2





#11

bis(2-Chloroethyl)ether

Concen: 41.178 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

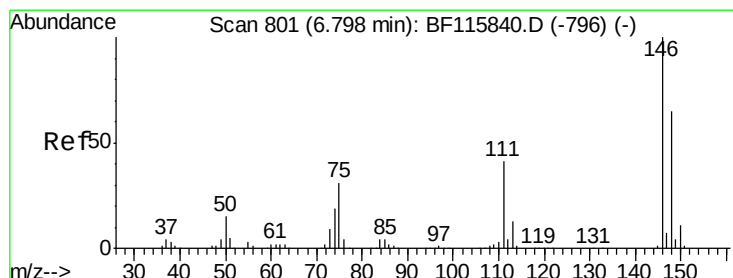
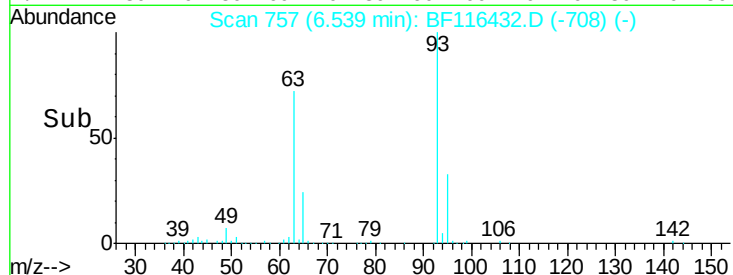
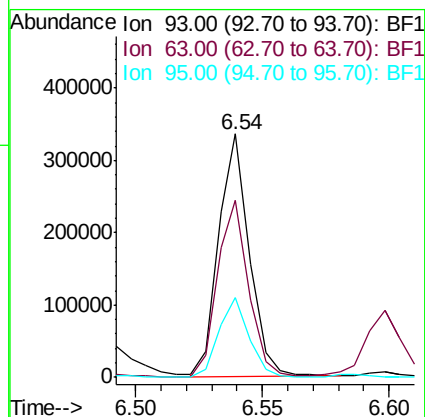
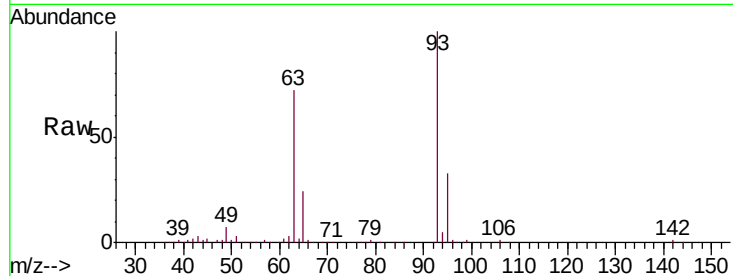
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	93	Resp:	281063
Ion Ratio	Lower	Upper	
93	100		
63	72.5	51.9	91.9
95	32.6	13.0	53.0

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 39.079 ng

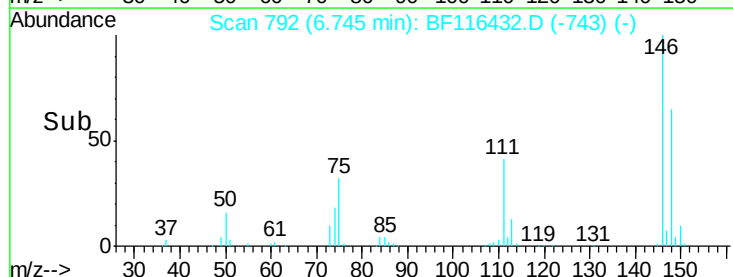
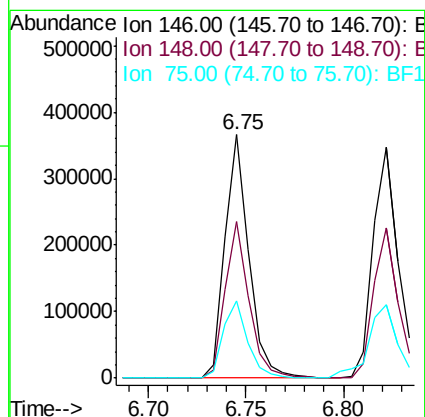
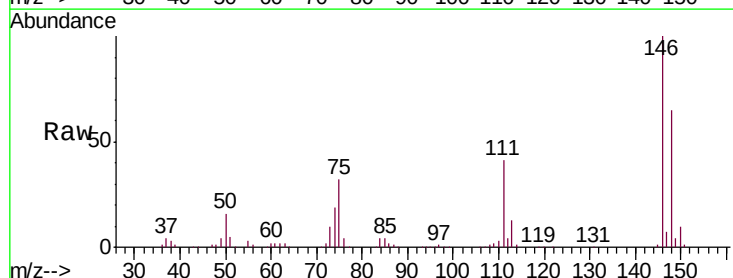
RT: 6.75 min Scan# 792

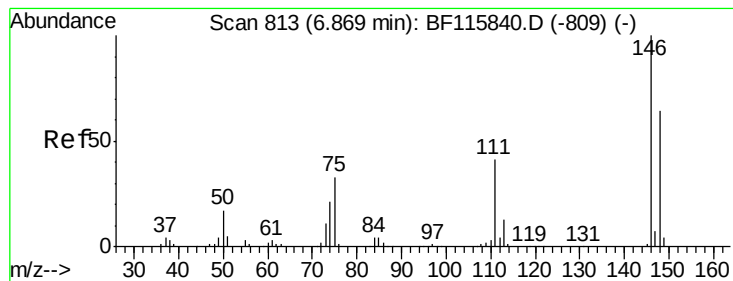
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	146	Resp:	312064
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.3	76.9
75	31.9	27.4	41.2





#13

1,4-Dichlorobenzene

Concen: 40.613 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

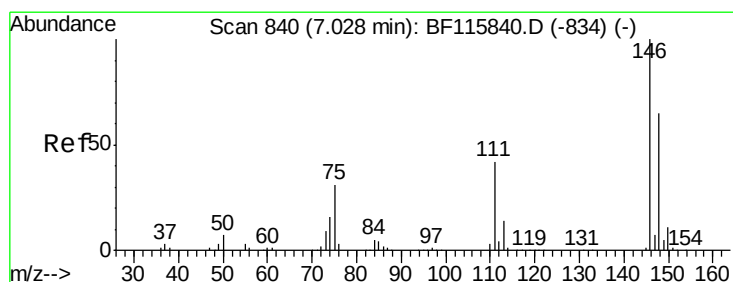
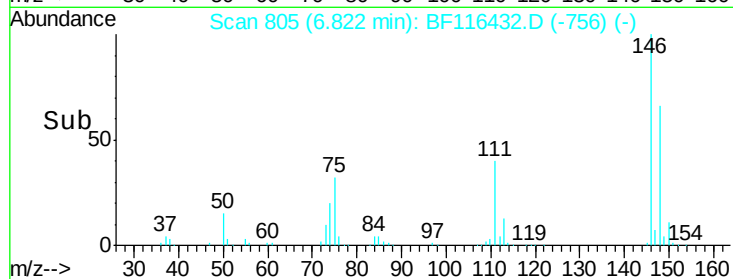
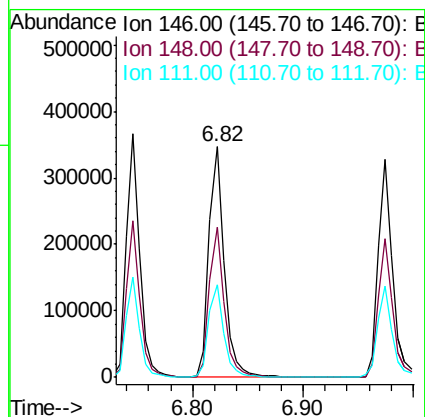
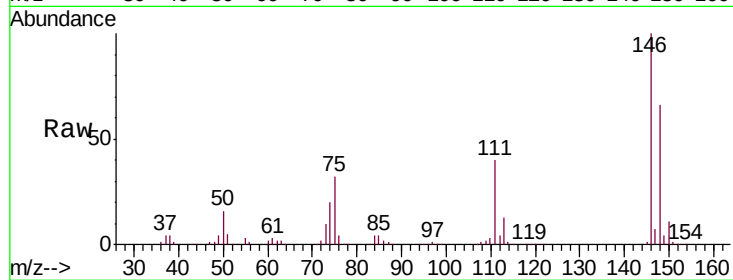
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	146	Resp:	324727
Ion Ratio	Lower	Upper	
146	100		
148	65.5	51.3	76.9
111	40.0	34.0	51.0

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 40.813 ng

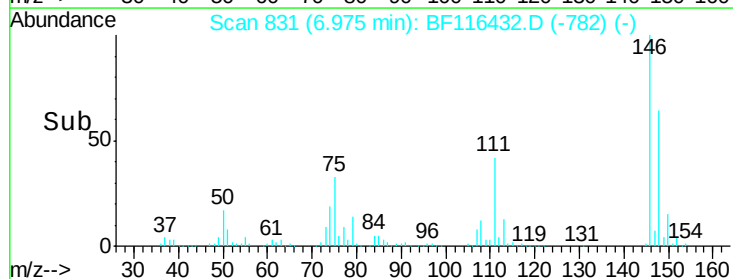
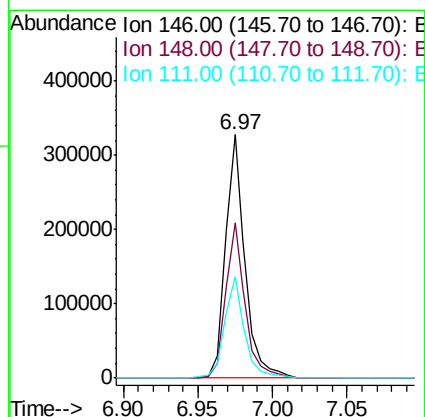
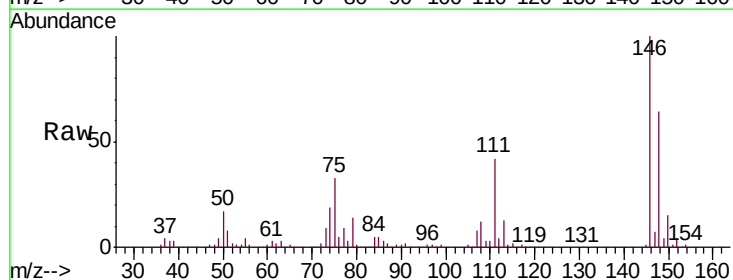
RT: 6.97 min Scan# 831

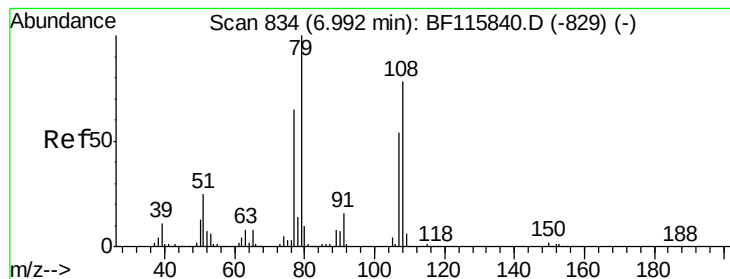
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	146	Resp:	300474
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.2	76.8
111	41.8	33.5	50.3





#15

Benzyl Alcohol

Concen: 41.622 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

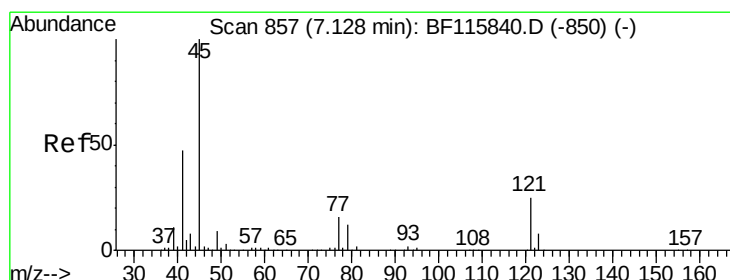
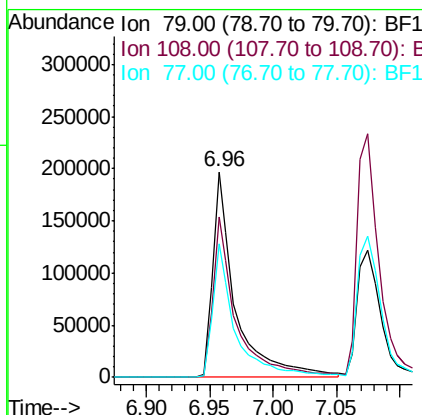
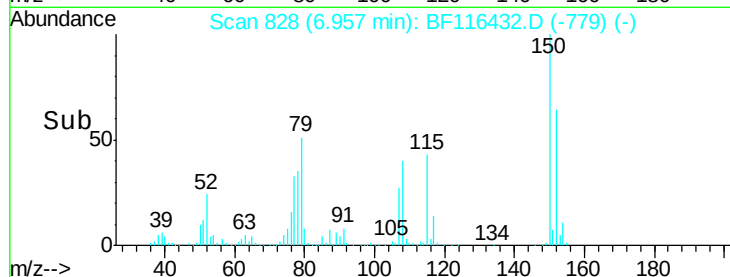
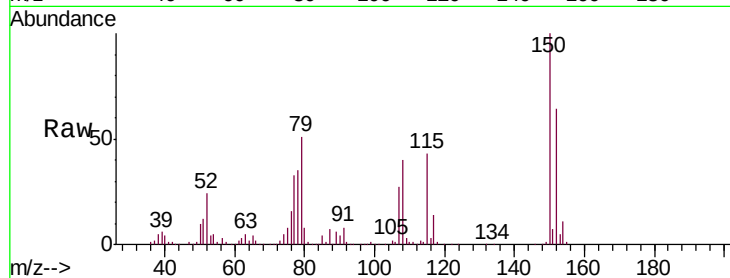
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	79	Resp:	249021
Ion Ratio	Lower	Upper	
79	100		
108	78.0	62.7	94.1
77	65.1	52.2	78.2

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.447 ng

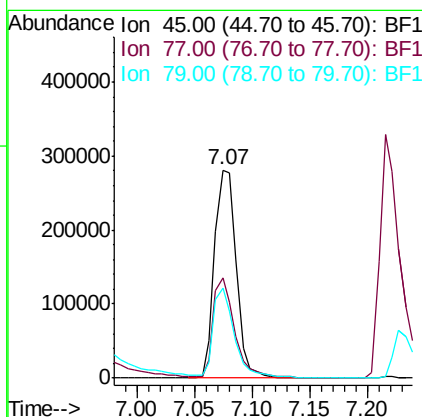
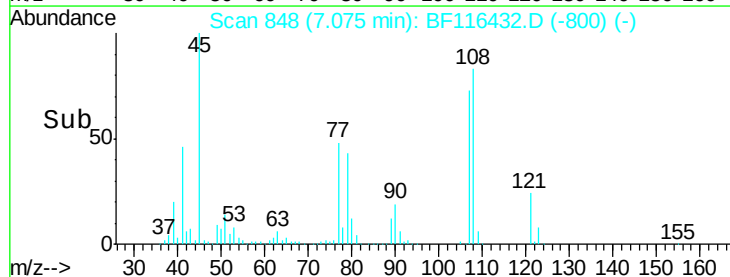
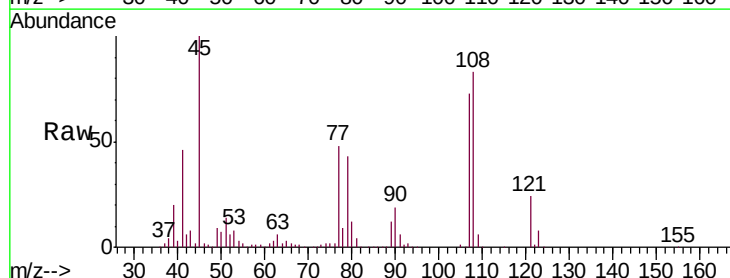
RT: 7.07 min Scan# 848

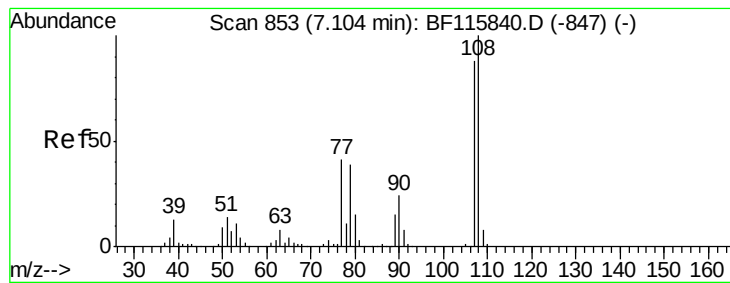
Delta R.T. -0.02 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

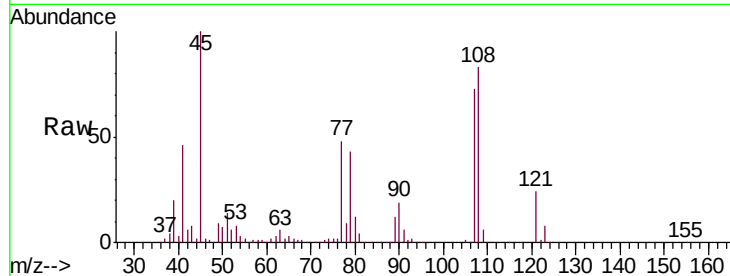
Tgt Ion:	45	Resp:	367258
Ion Ratio	Lower	Upper	
45	100		
77	48.3	0.0	40.0#
79	43.4	0.0	35.9#





#17
2-Methylphenol
Concen: 42.012 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

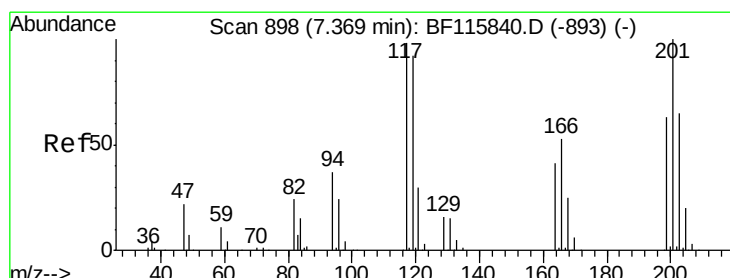
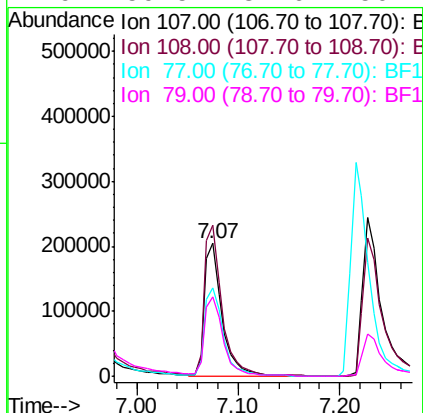
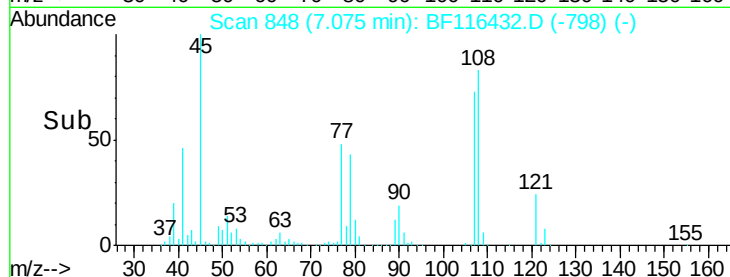
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMS



Tgt Ion:	107	Resp:	245802
Ion Ratio	Lower	Upper	
107	100		
108	114.0	91.2	136.8
77	66.3	40.3	60.5#
79	59.5	37.6	56.4#

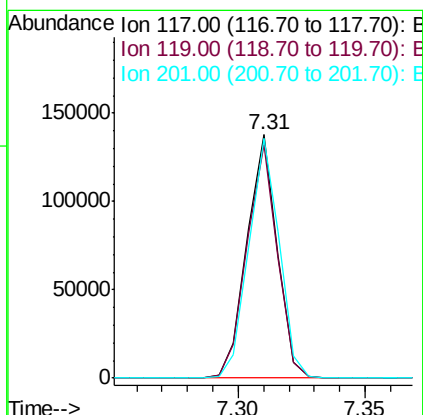
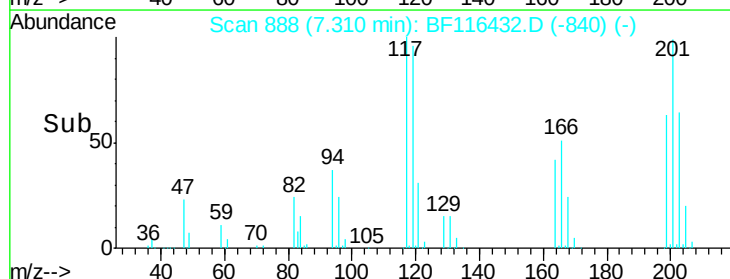
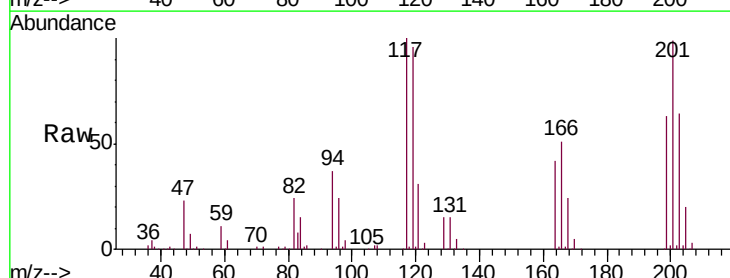
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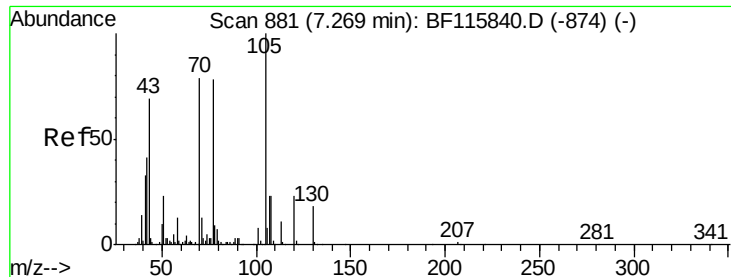
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#18
Hexachloroethane
Concen: 38.615 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion:	117	Resp:	113675
Ion Ratio	Lower	Upper	
117	100		
119	95.8	76.1	114.1
201	98.7	77.0	115.4





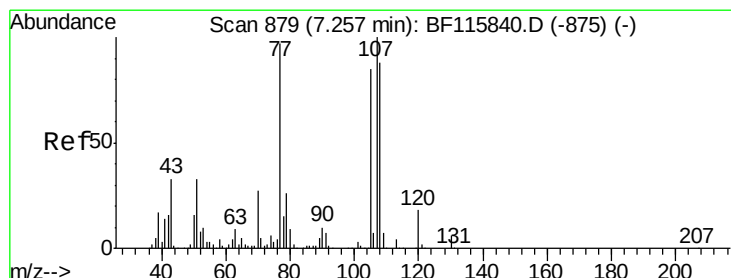
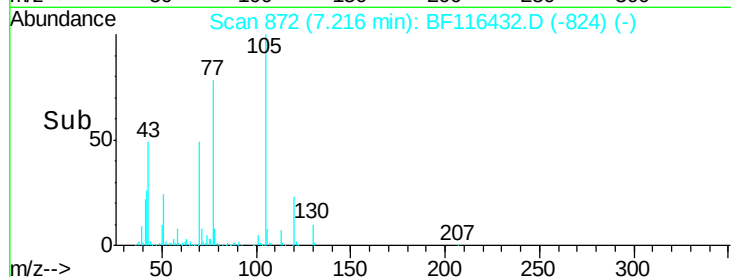
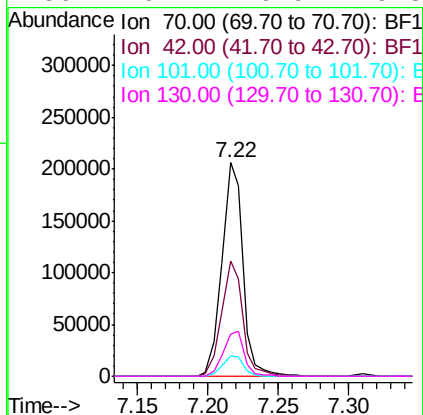
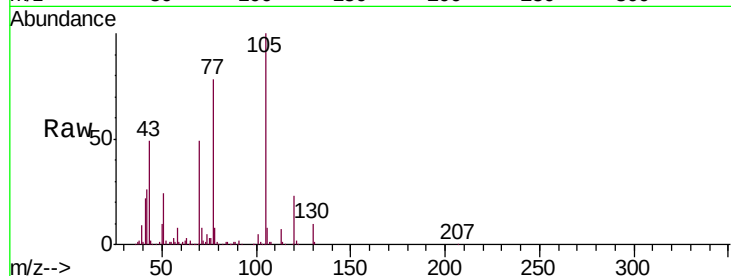
#19
n-Nitroso-di-n-propylamine
Concen: 43.699 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Lower	Upper
70	100		
42	54.1	40.9	61.3
101	9.4	7.9	11.9
130	20.1	16.9	25.3

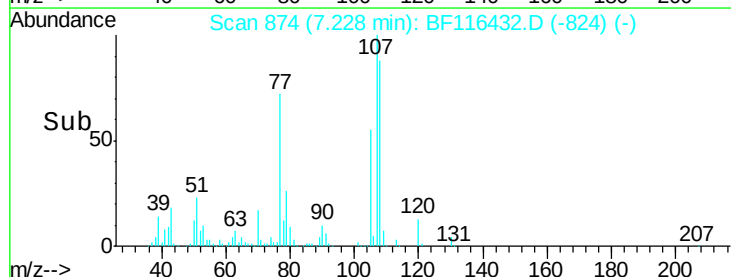
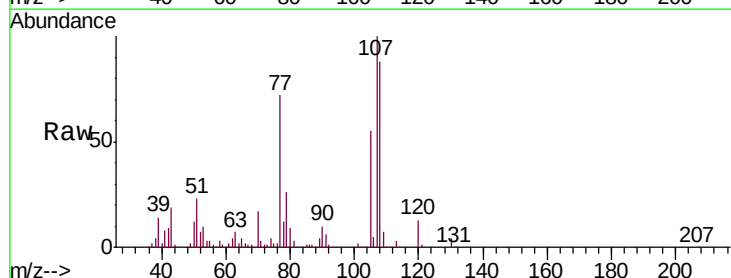
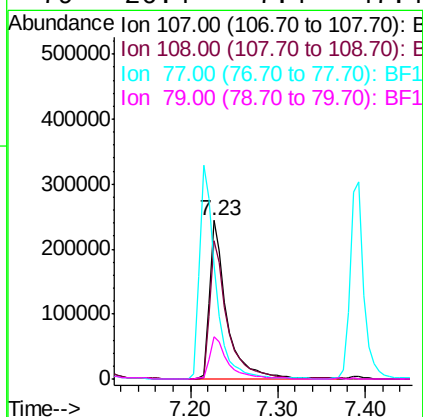
Manual Integrations
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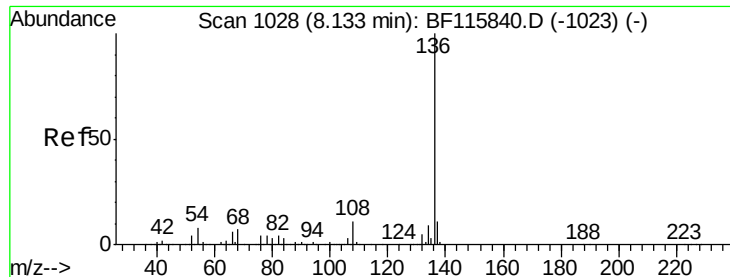
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#20
3+4-Methylphenols
Concen: 46.980 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.7	67.6	107.6
77	71.8	104.4	144.4
79	26.4	7.4	47.4





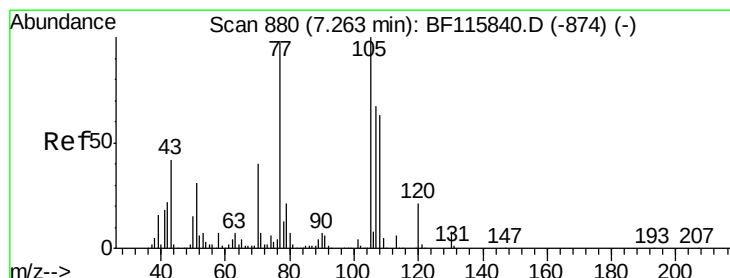
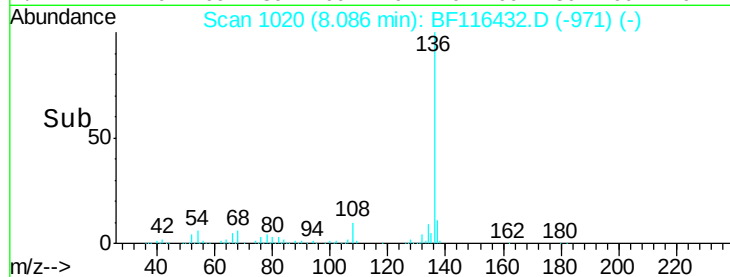
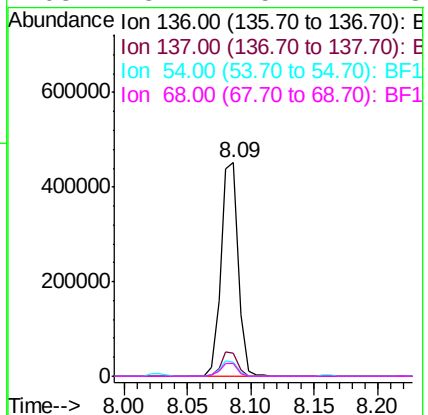
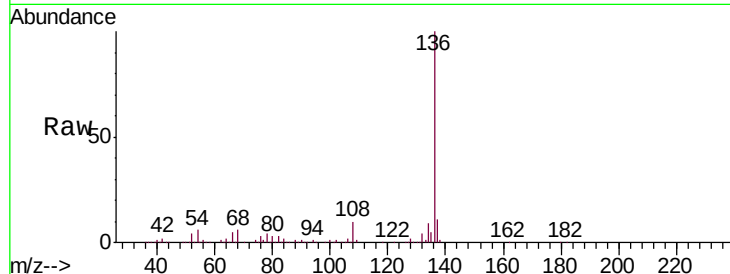
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	431163		
137	10.9	9.0	13.4	
54	6.4	5.8	8.6	
68	5.7	5.2	7.8	

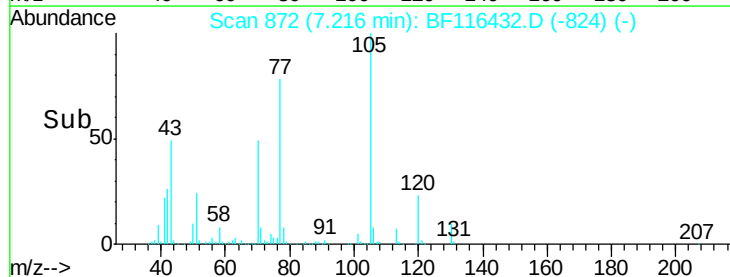
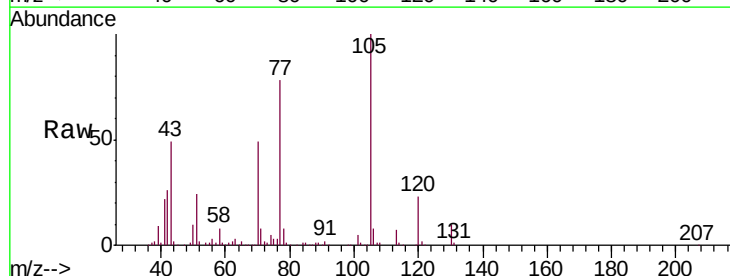
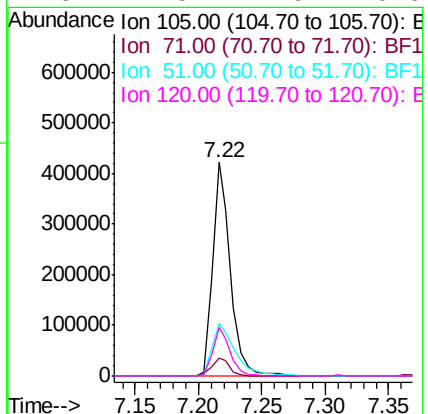
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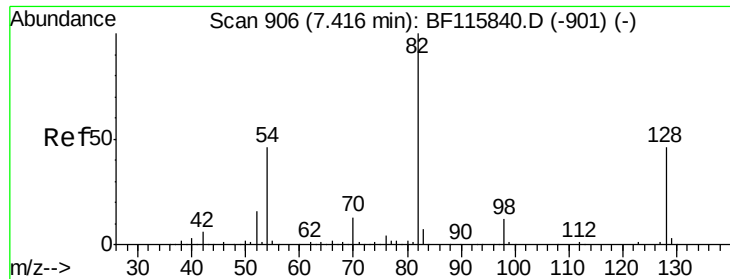
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#22
Acetophenone
Concen: 43.808 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	414246		
71	8.4	5.9	8.9	
51	24.5	25.3	37.9	
120	22.5	17.9	26.9	





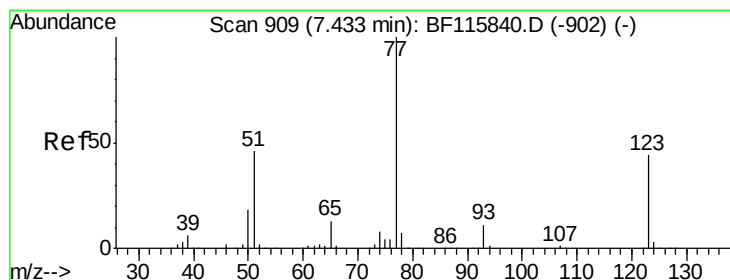
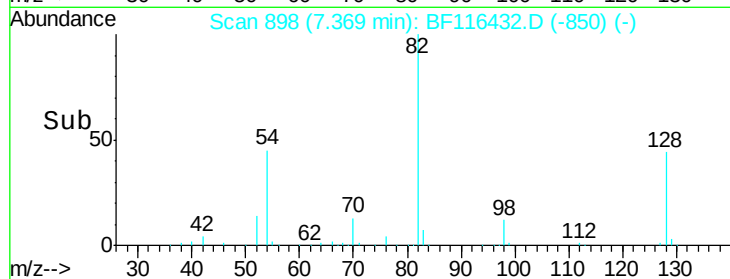
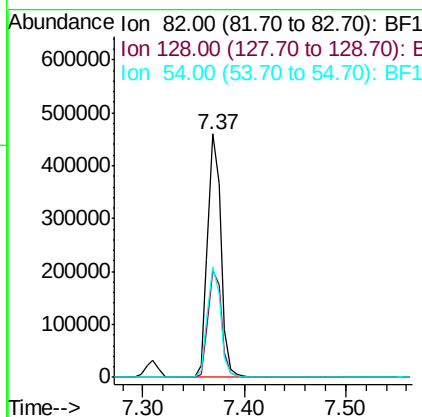
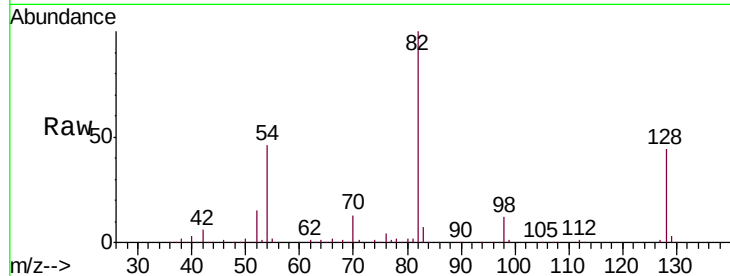
#23
 Nitrobenzene-d5
 Concen: 56.766 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	424015		
128	43.8	36.5	54.7	
54	45.5	36.0	54.0	

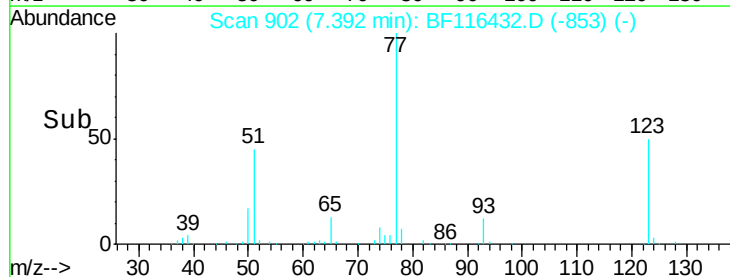
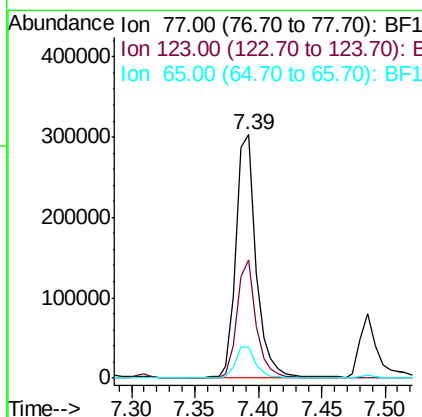
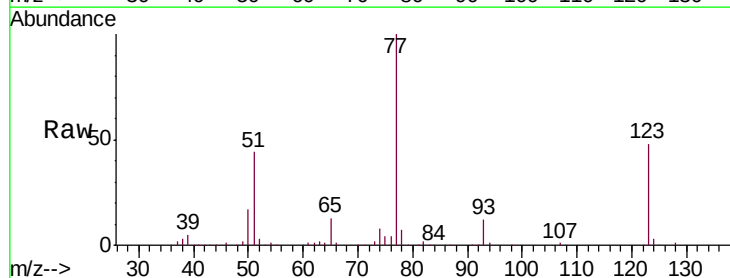
Manual Integrations
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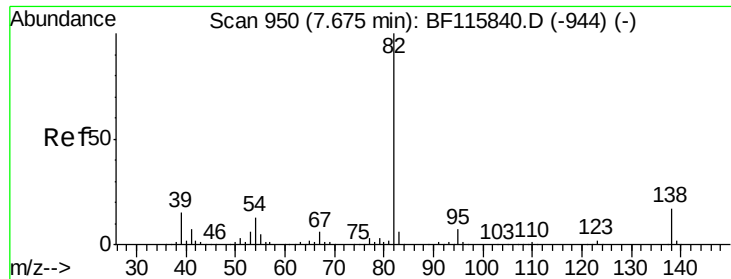
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#24
 Nitrobenzene
 Concen: 41.147 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	331867		
123	48.4	36.7	55.1	
65	12.8	10.6	16.0	





#25

Isophorone

Concen: 41.719 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

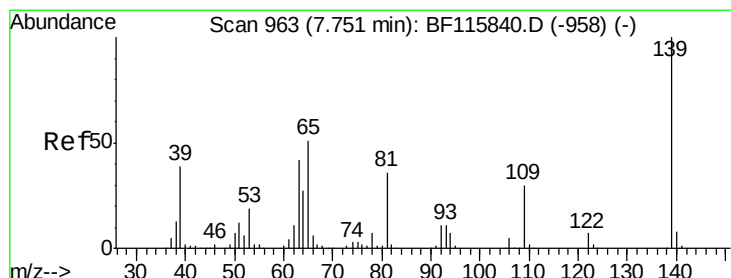
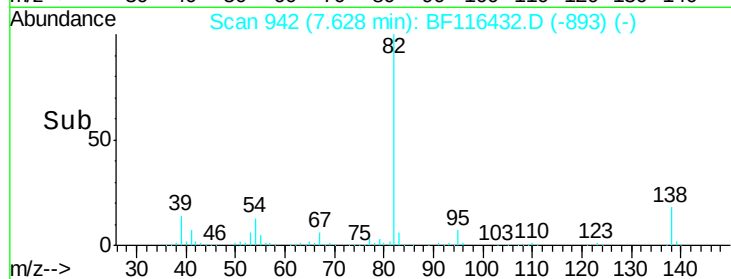
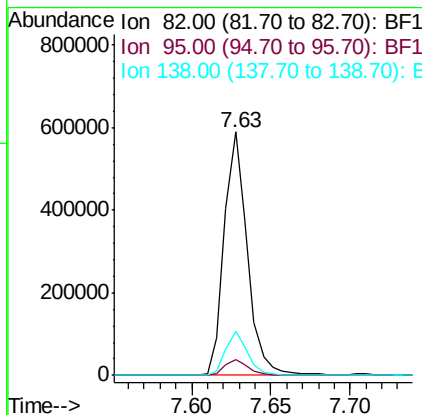
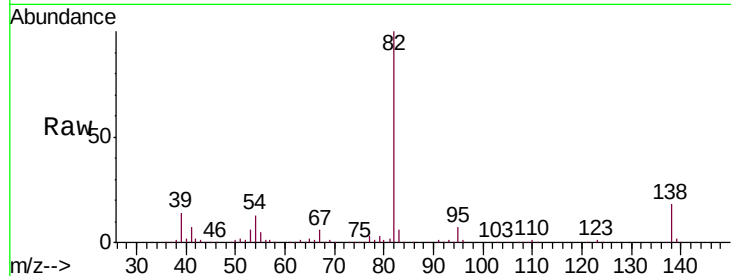
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	82	Resp:	595865
Ion Ratio		Lower	Upper
82	100		
95	6.5	5.4	8.0
138	17.8	14.5	21.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 42.585 ng

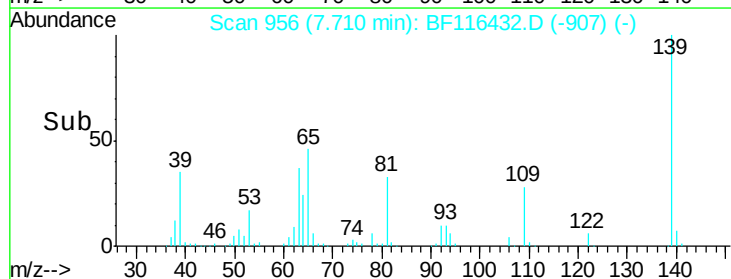
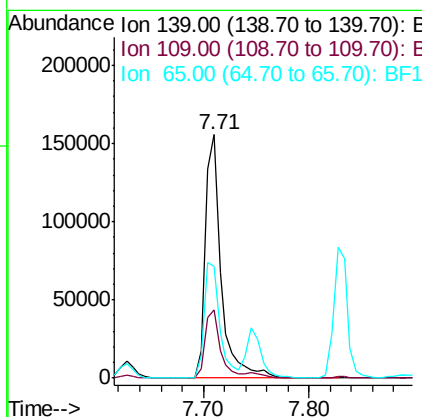
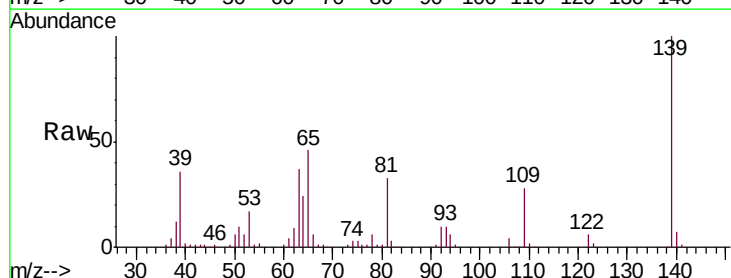
RT: 7.71 min Scan# 956

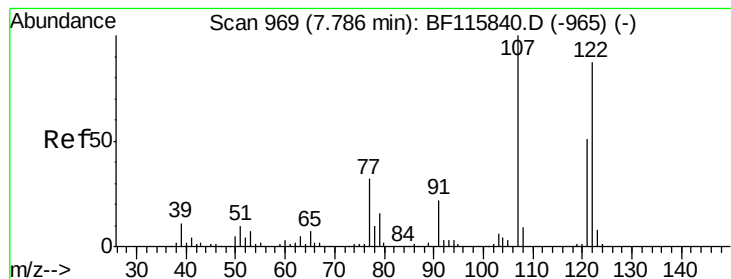
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	139	Resp:	161903
Ion Ratio		Lower	Upper
139	100		
109	28.0	23.4	35.2
65	46.2	41.1	61.7





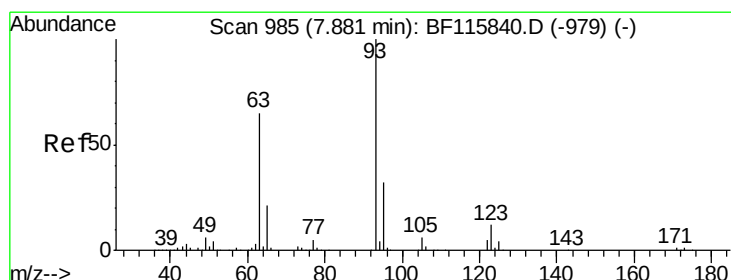
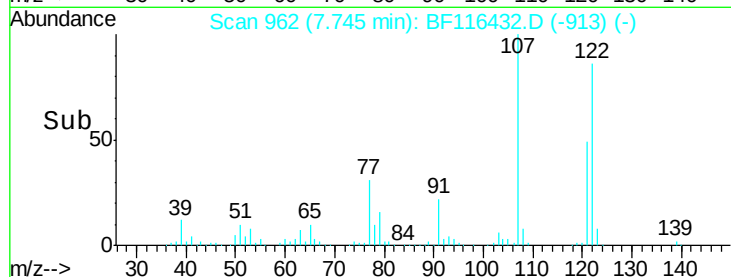
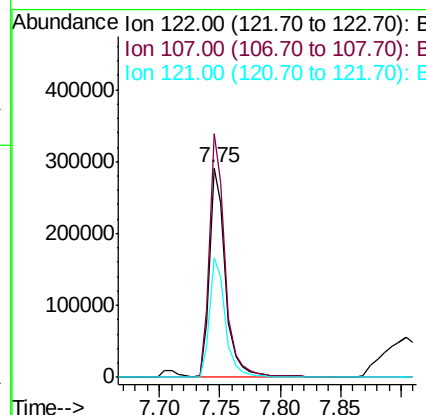
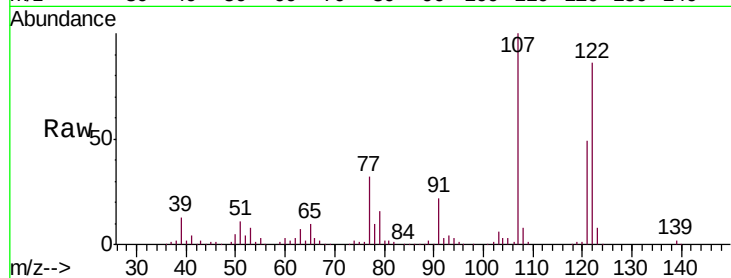
#27
2,4-Dimethylphenol
Concen: 46.545 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	266229		
107	116.1	93.0	139.6	
121	57.1	47.6	71.4	

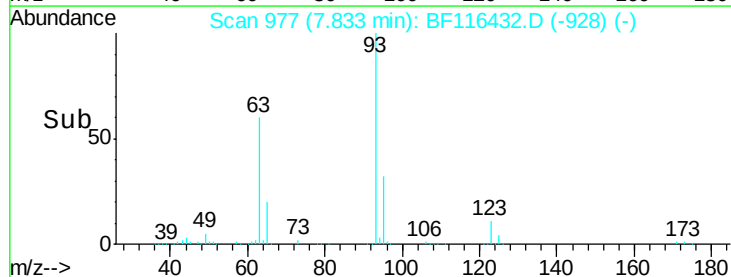
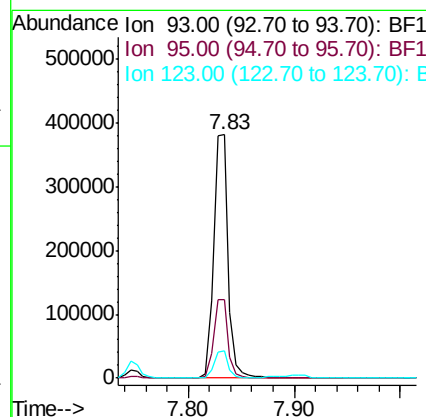
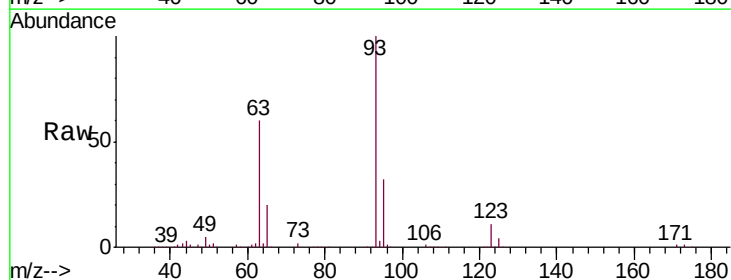
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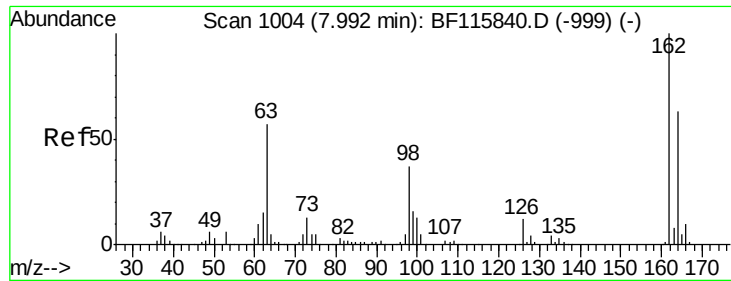
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#28
bis(2-Chloroethoxy)methane
Concen: 41.536 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	367706		
95	32.4	26.2	39.4	
123	11.5	9.2	13.8	





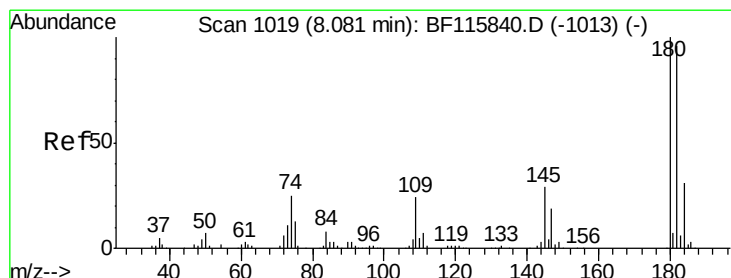
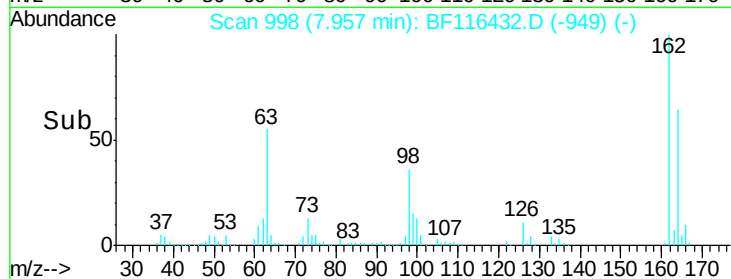
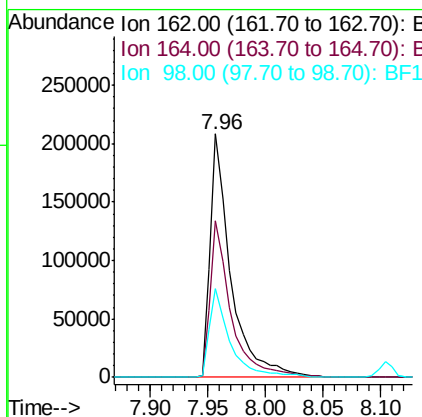
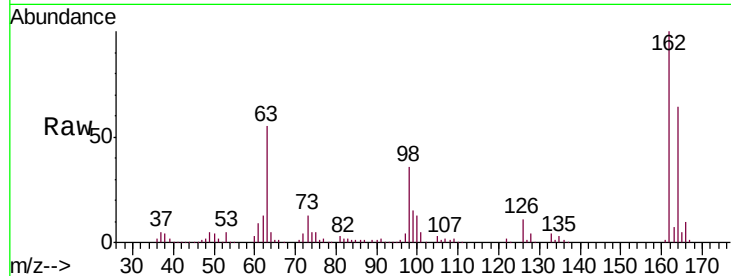
#29
2,4-Dichlorophenol
Concen: 42.914 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	259170		
164	64.1	45.1	85.1	
98	36.2	15.8	55.8	

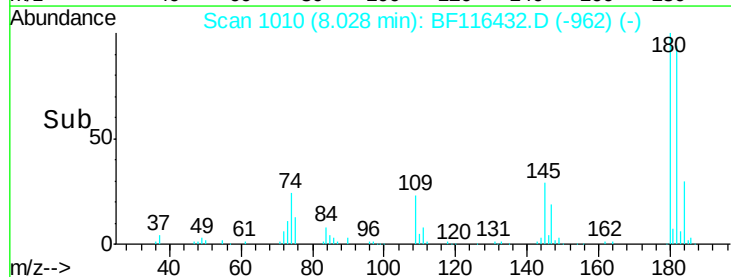
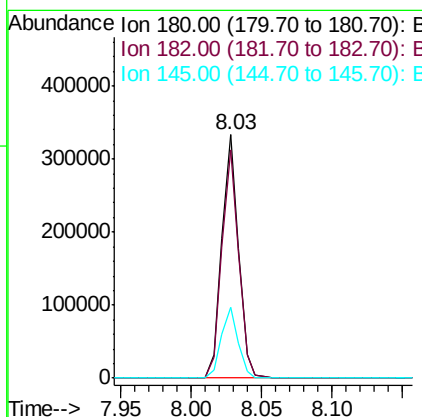
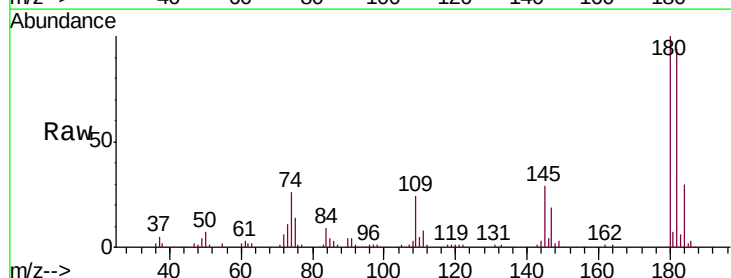
Manual Integrations
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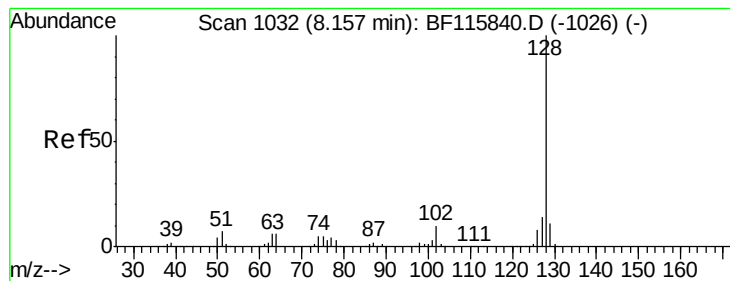
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#30
1,2,4-Trichlorobenzene
Concen: 39.992 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	275317		
182	93.6	75.7	113.5	
145	29.2	24.3	36.5	





#31

Naphthalene

Concen: 42.549 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

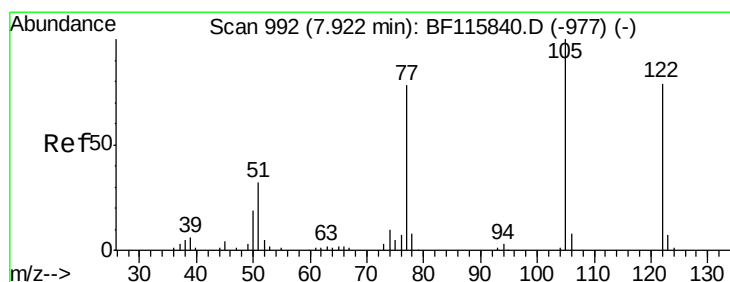
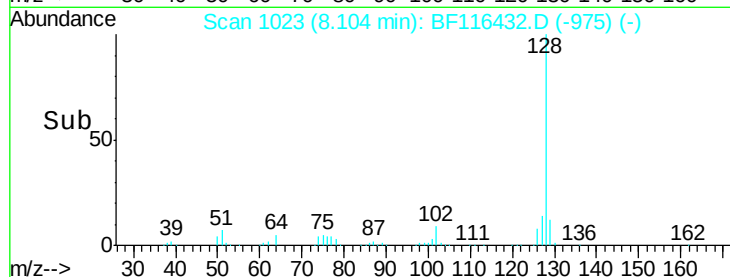
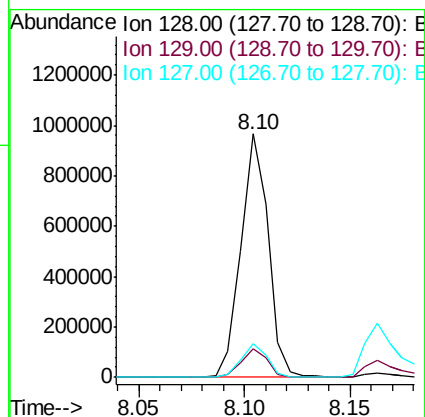
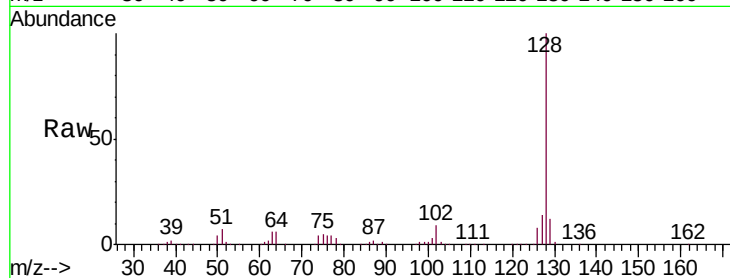
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	128	Resp:	863309
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.3	13.9
127	13.7	11.4	17.0

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#32

Benzoic acid

Concen: 31.277 ng

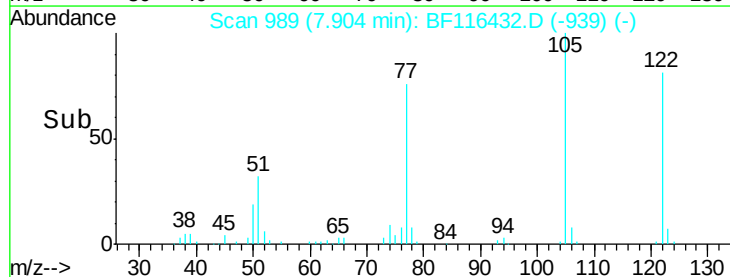
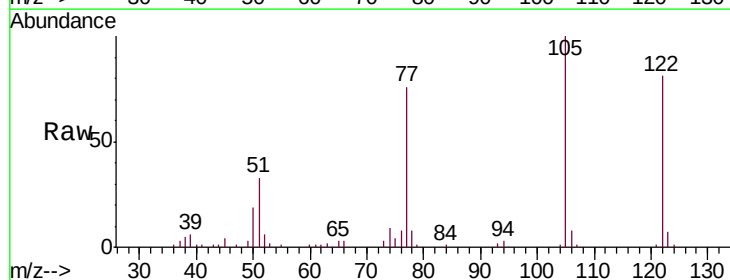
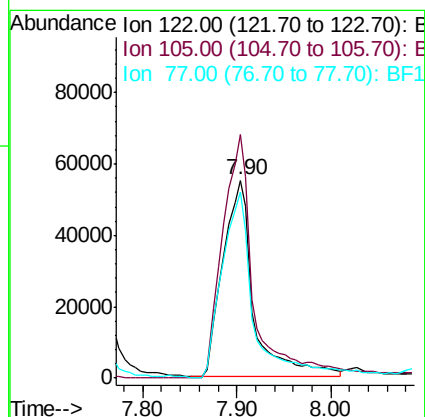
RT: 7.90 min Scan# 989

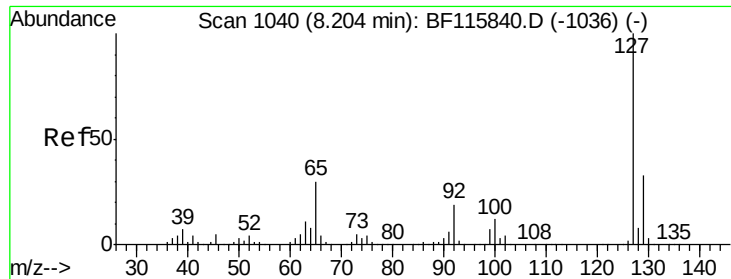
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	122	Resp:	126130
Ion Ratio	Lower	Upper	
122	100		
105	123.1	106.1	146.1
77	94.2	76.7	116.7





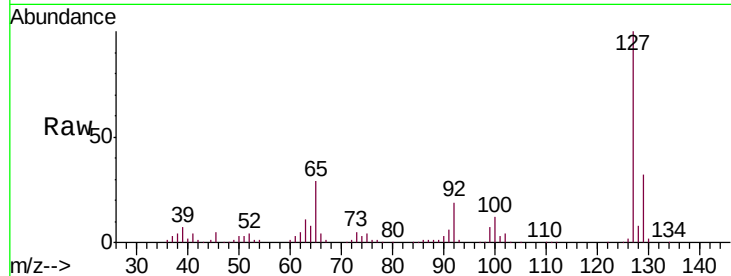
#33
4-Chloroaniline
Concen: 29.717 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

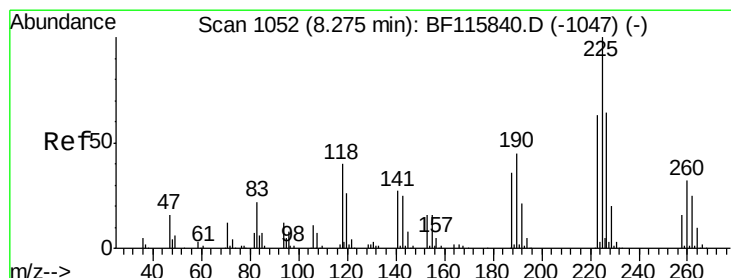
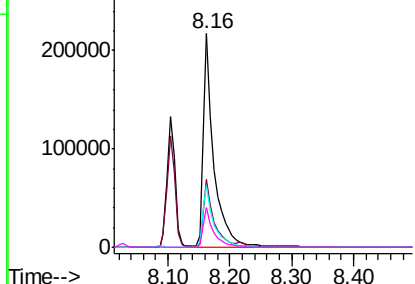
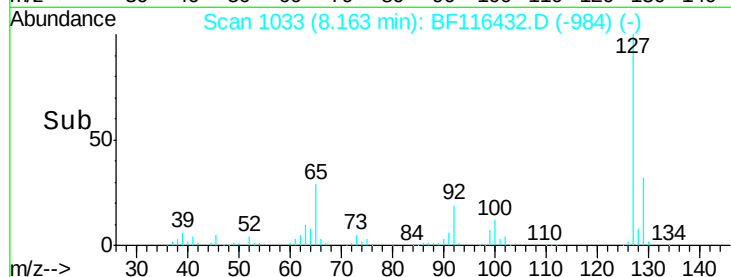
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	269397		
129	32.1	26.1	39.1	
65	29.0	24.9	37.3	
92	18.8	15.7	23.5	

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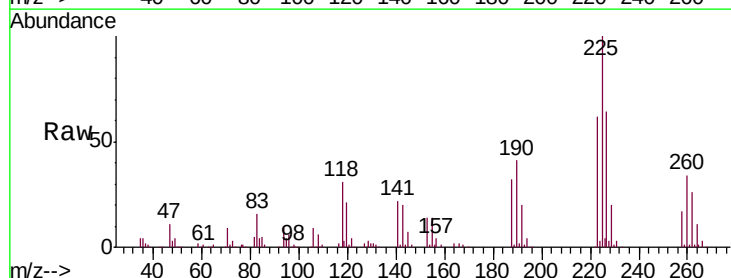


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

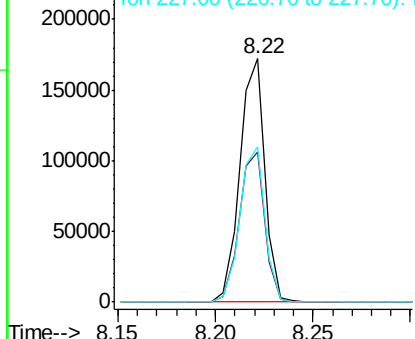
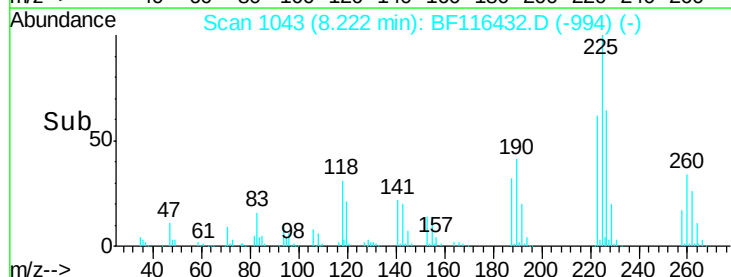


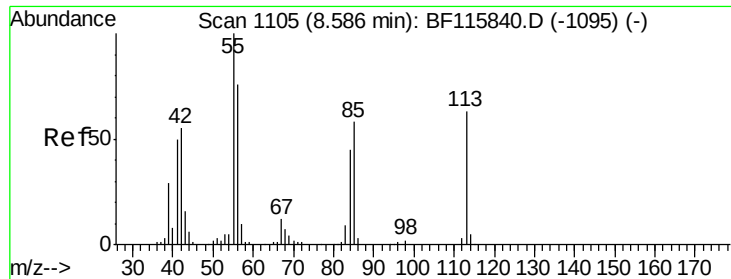
#34
Hexachlorobutadiene
Concen: 38.373 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152163		
223	61.7	50.0	75.0	
227	63.9	51.0	76.4	



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





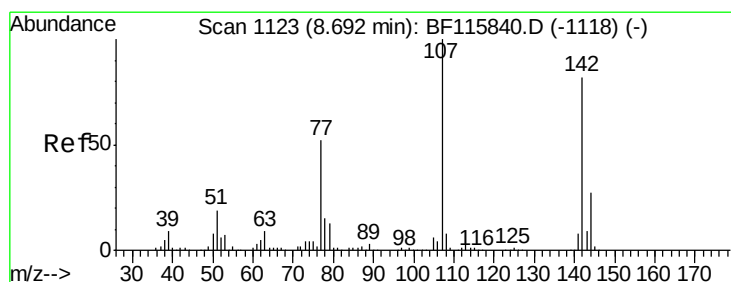
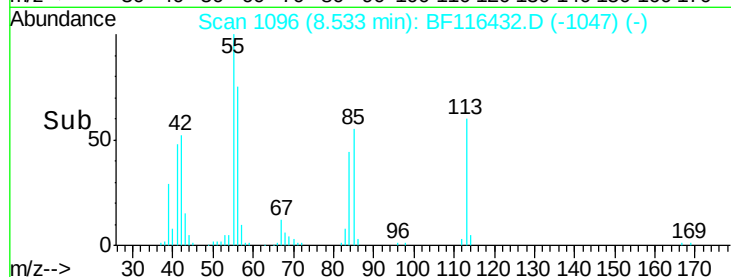
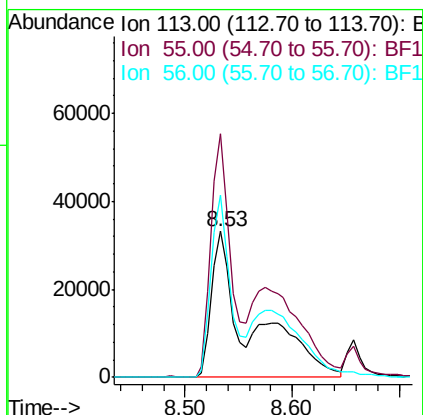
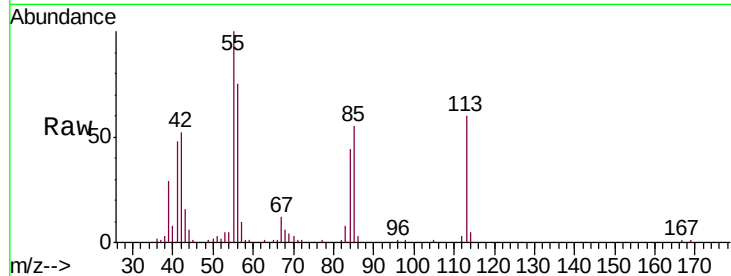
#35
 Caprolactam
 Concen: 42.702 ng m
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion:113 Resp: 83410
 Ion Ratio Lower Upper
 113 100
 55 167.1 144.3 184.3
 56 125.3 97.1 137.1

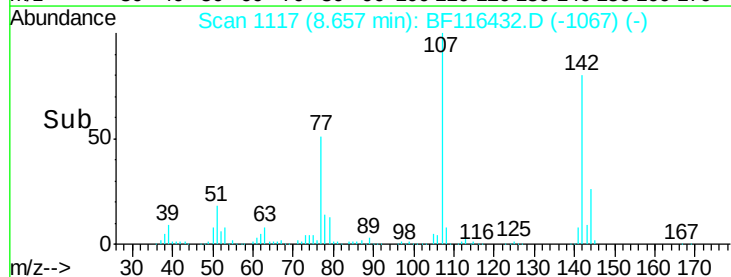
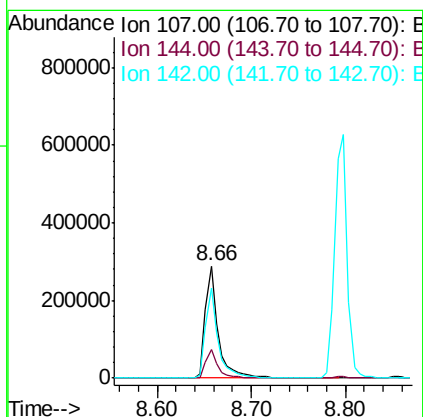
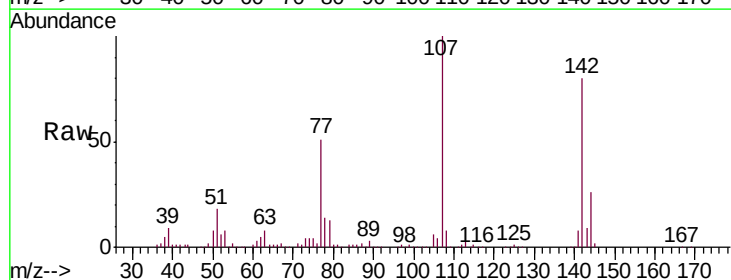
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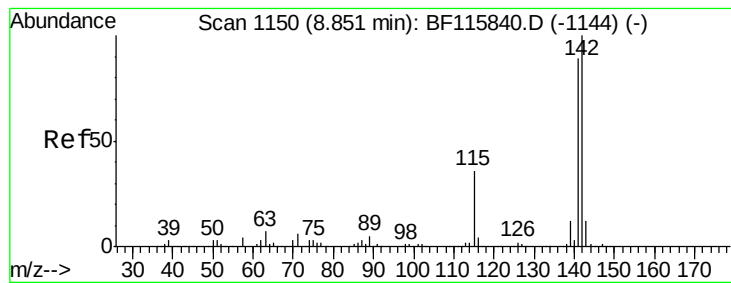
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#36
 4-Chloro-3-methylphenol
 Concen: 43.852 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion:107 Resp: 275517
 Ion Ratio Lower Upper
 107 100
 144 25.8 20.2 30.2
 142 80.3 61.7 92.5





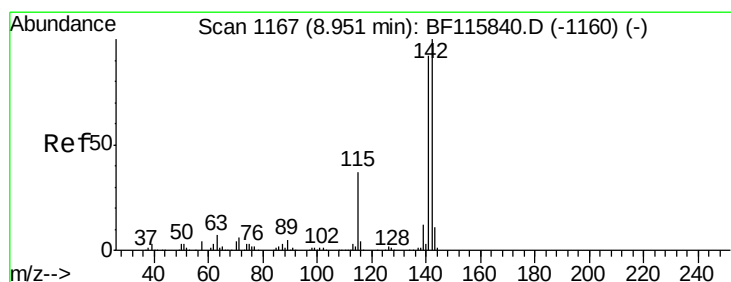
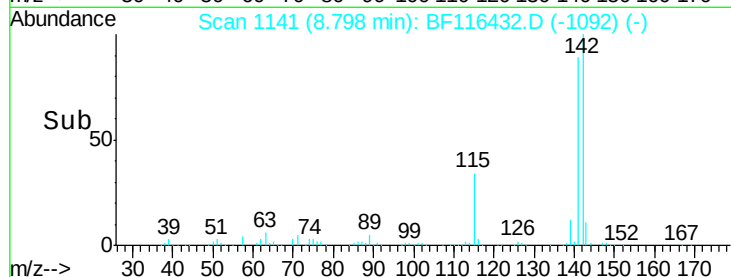
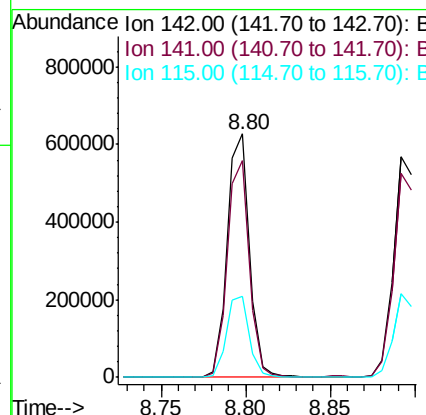
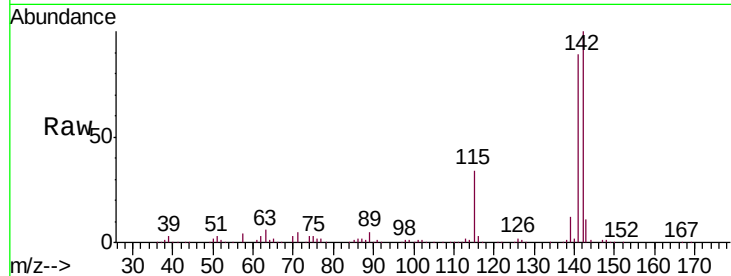
#37
2-Methylnaphthalene
Concen: 42.994 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.9	106.3
115	33.5	29.0	43.6

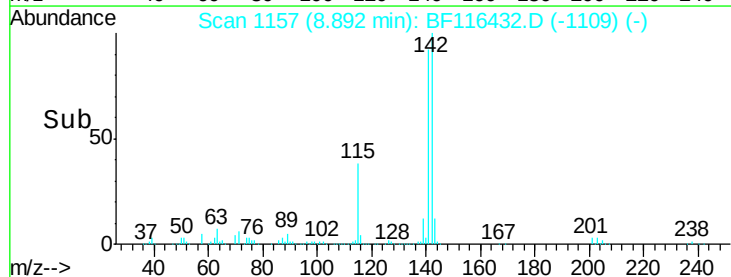
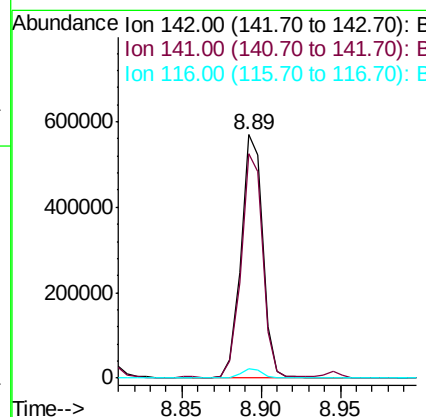
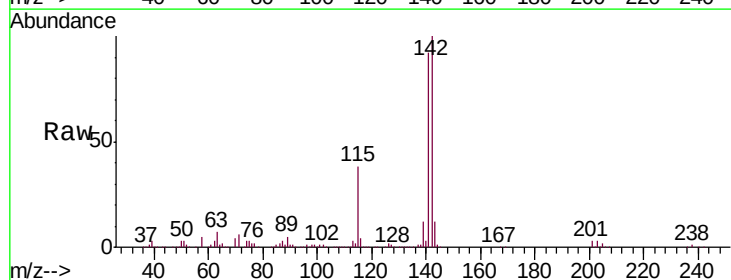
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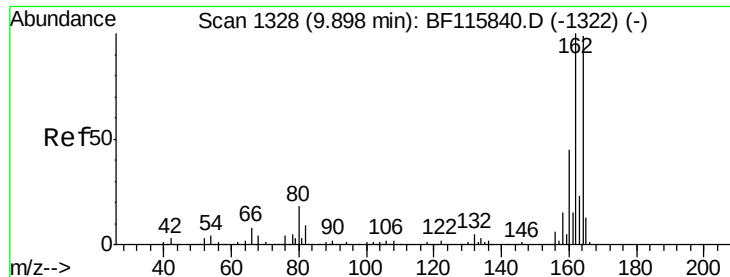
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#38
1-Methylnaphthalene
Concen: 42.607 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.4	111.6
116	3.9	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

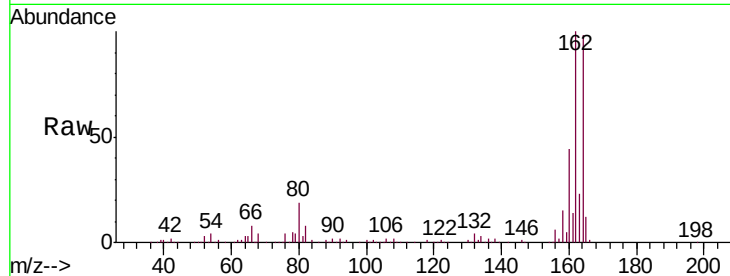
ClientSampleId :

CP-MW2-N-12-16-SOILMS

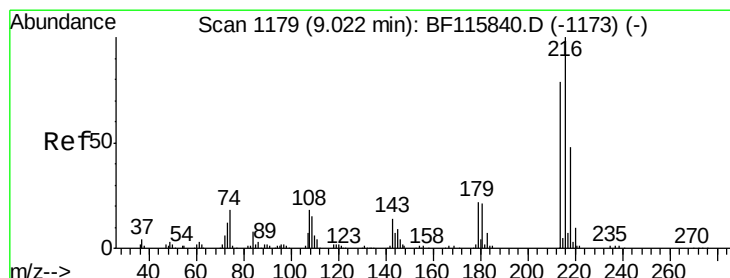
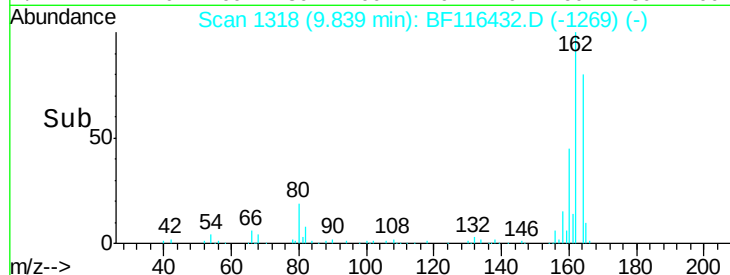
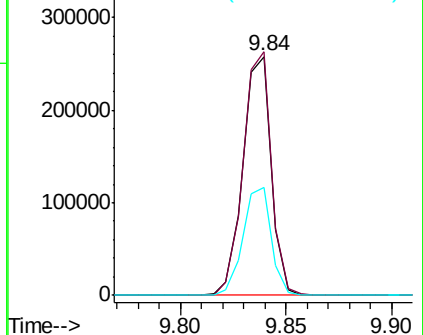
Tgt Ion:	164	Resp:	239412
Ion Ratio	Lower	Upper	
164	100		
162	102.0	82.6	124.0
160	45.0	37.6	56.4

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.697 ng

RT: 8.97 min Scan# 1170

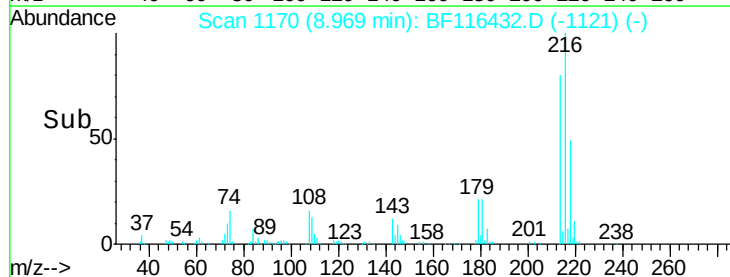
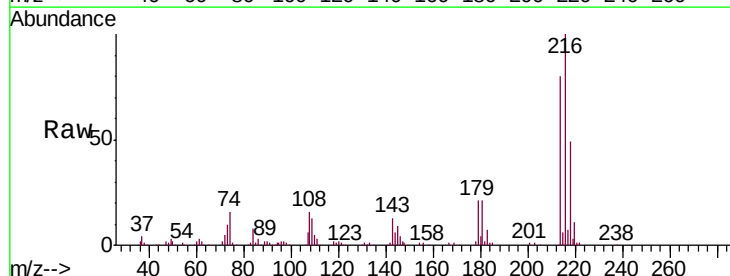
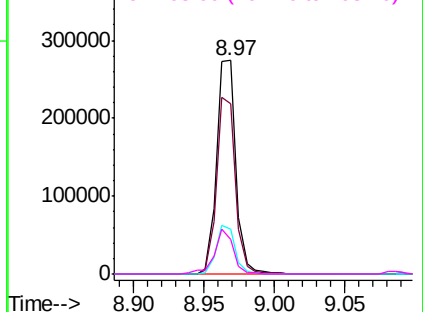
Delta R.T. -0.01 min

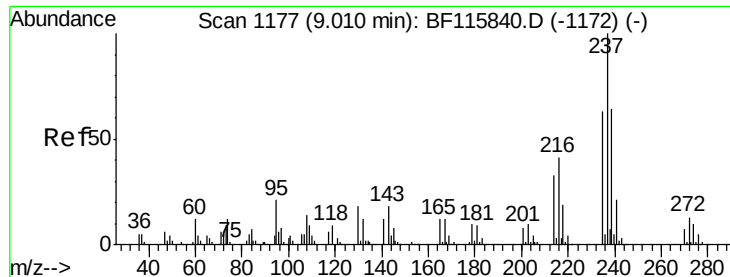
Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	216	Resp:	260478
Ion Ratio	Lower	Upper	
216	100		
214	80.6	63.6	95.4
179	22.1	17.8	26.8
108	20.3	16.5	24.7

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





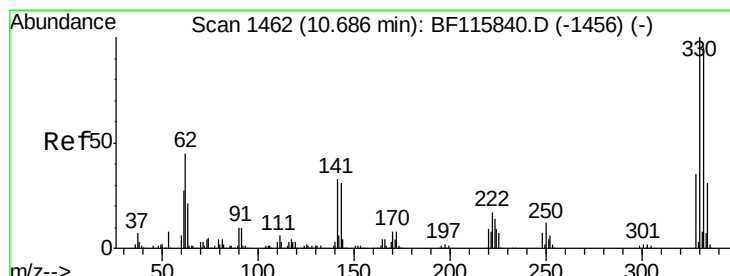
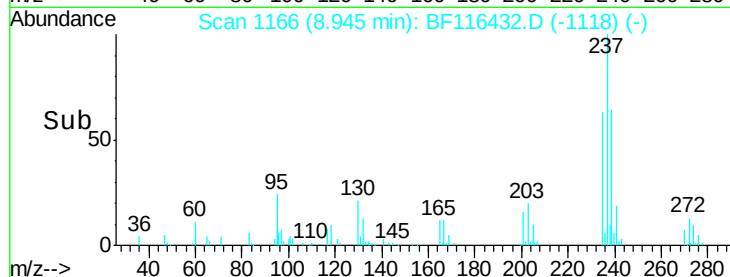
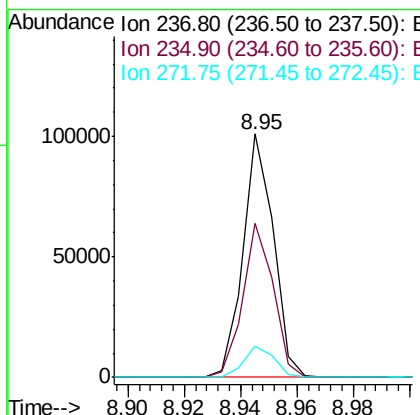
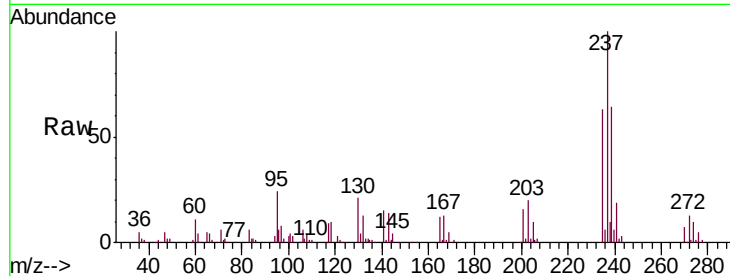
#41
Hexachlorocyclopentadiene
Concen: 30.207 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion:	237	Resp:	75359
Ion Ratio	Lower	Upper	
237	100		
235	63.3	43.4	83.4
272	13.0	0.0	33.2

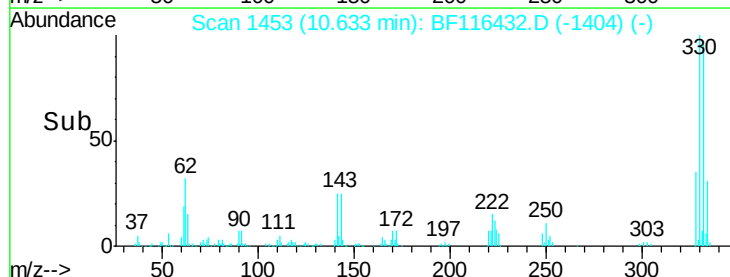
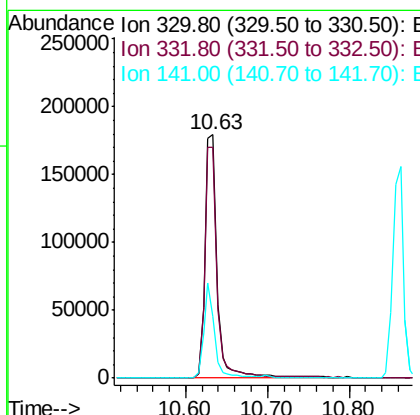
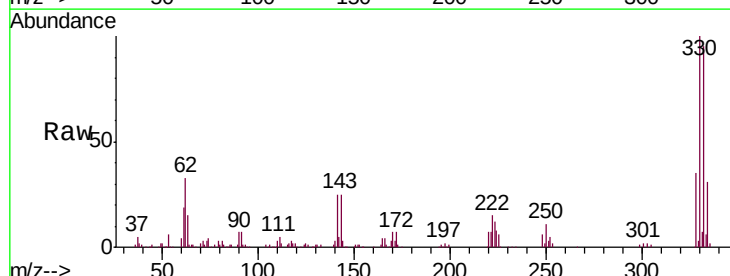
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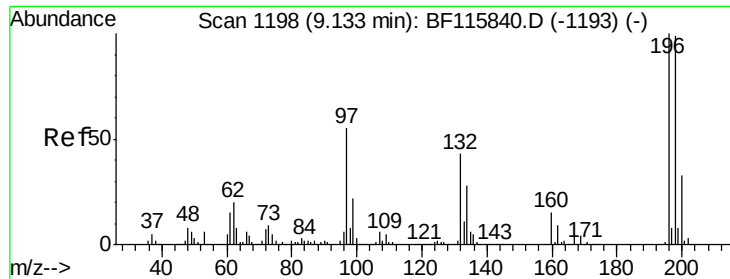
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#42
2,4,6-Tribromophenol
Concen: 81.100 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion:	330	Resp:	188247
Ion Ratio	Lower	Upper	
330	100		
332	95.1	76.8	115.2
141	33.6	26.3	39.5





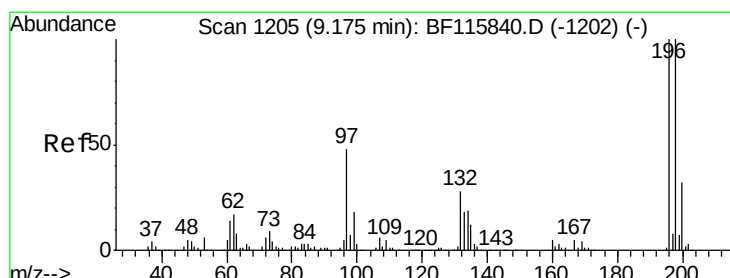
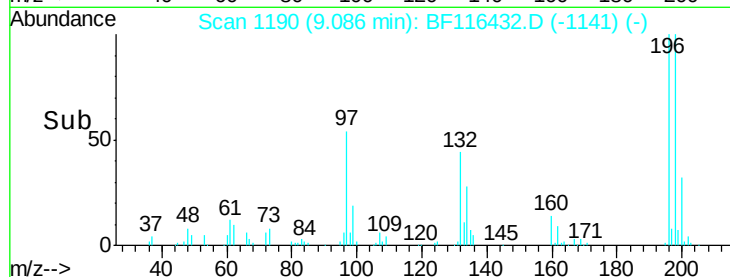
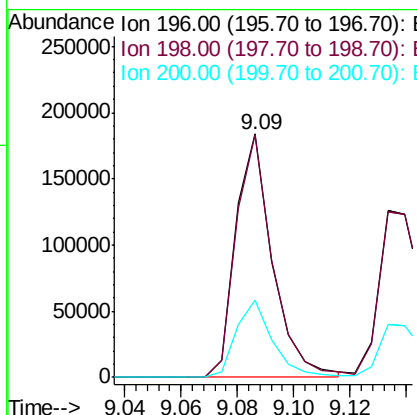
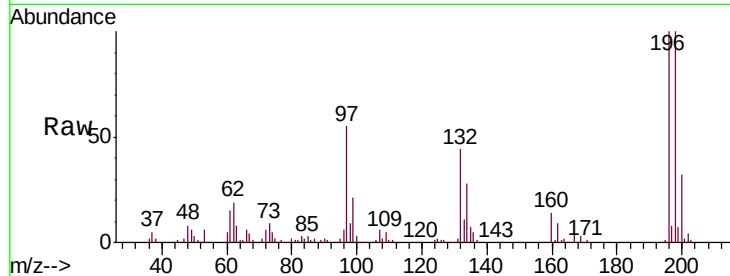
#43
 2,4,6-Trichlorophenol
 Concen: 37.726 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion:	196	Resp:	166201
Ion Ratio	Lower	Upper	
196	100		
198	99.7	79.2	118.8
200	31.9	25.2	37.8

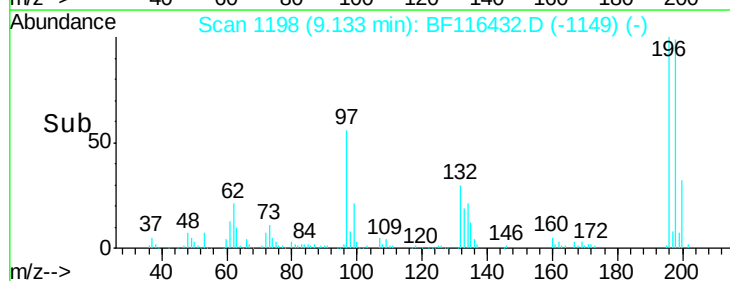
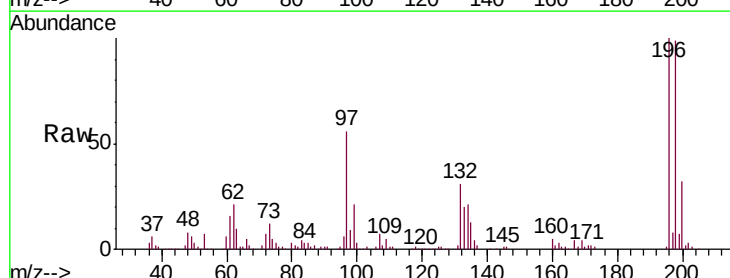
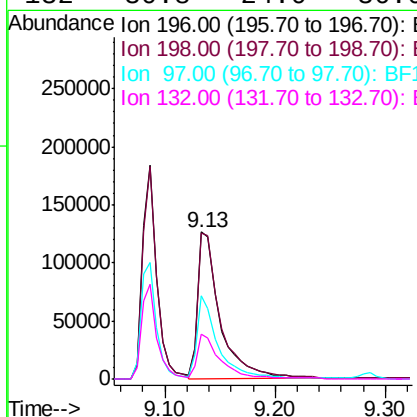
Manual Integrations
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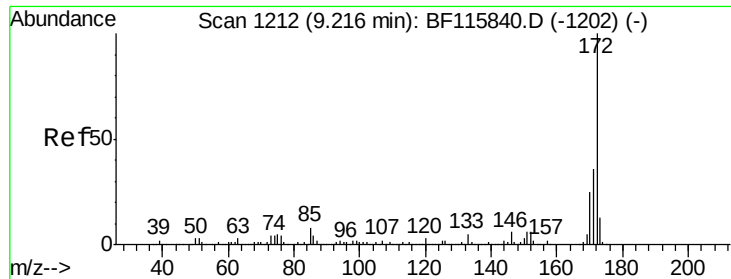
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#44
 2,4,5-Trichlorophenol
 Concen: 38.281 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion:	196	Resp:	174329
Ion Ratio	Lower	Upper	
196	100		
198	99.3	78.8	118.2
97	56.4	42.2	63.4
132	30.8	24.0	36.0





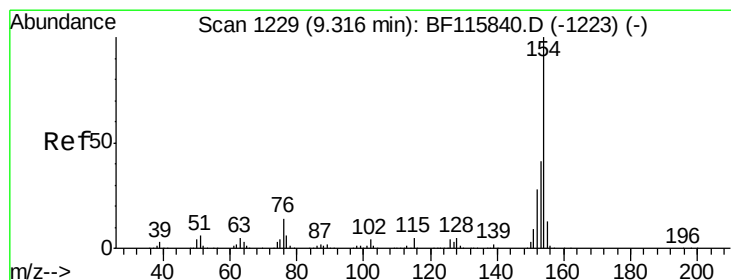
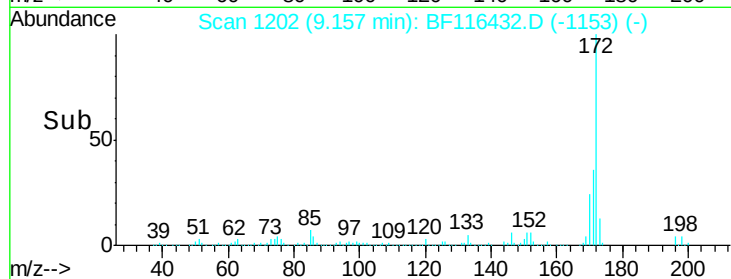
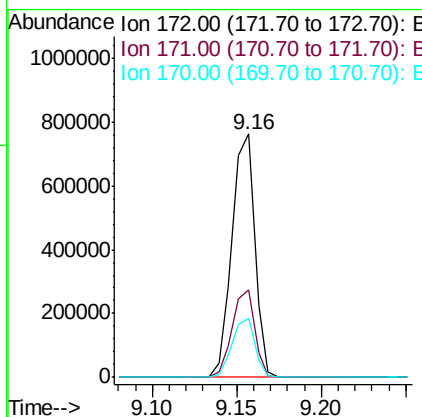
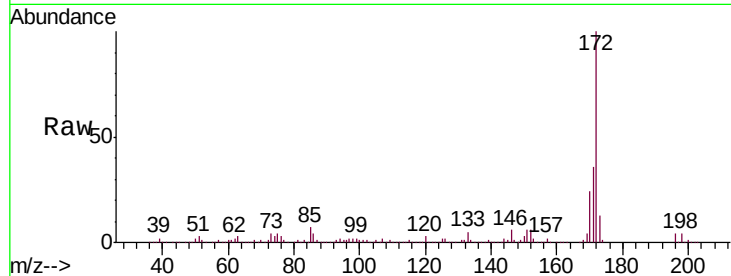
#45
2-Fluorobiphenyl
Concen: 56.307 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	719702		
171	35.7	29.6	44.4	
170	24.4	20.1	30.1	

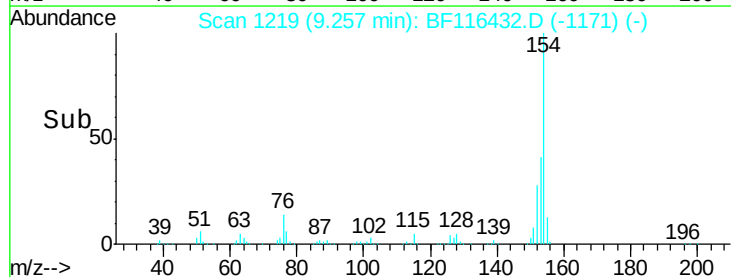
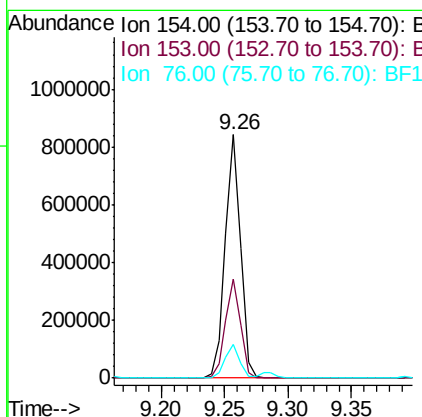
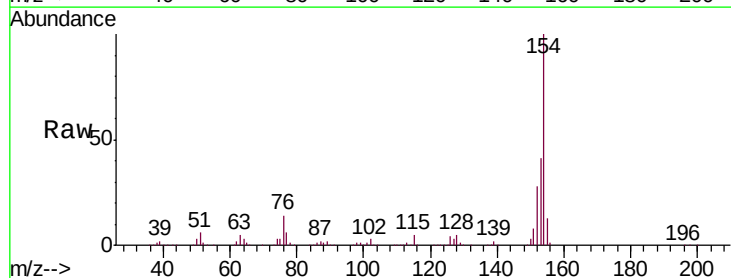
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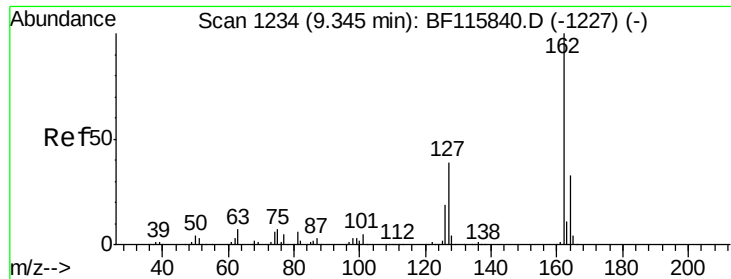
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#46
1,1'-Biphenyl
Concen: 42.061 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	710931		
153	40.7	21.4	61.4	
76	13.9	0.0	35.2	





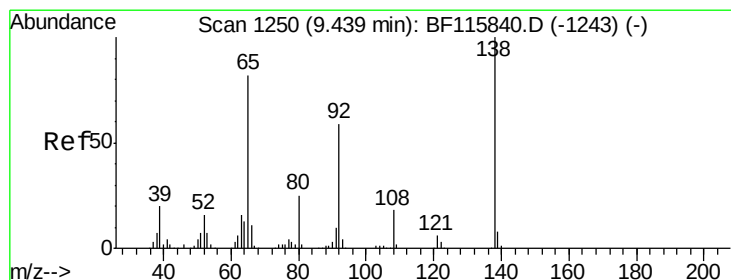
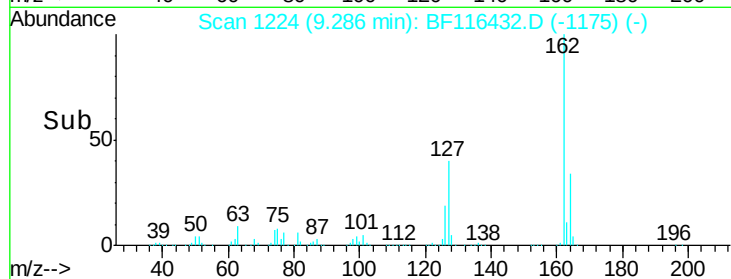
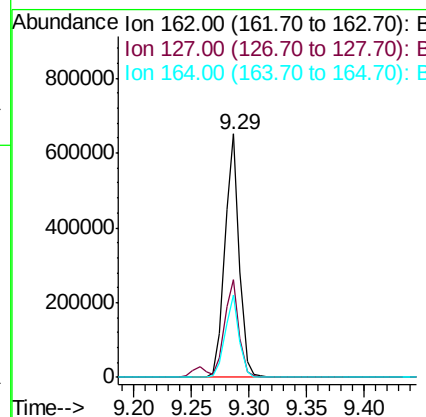
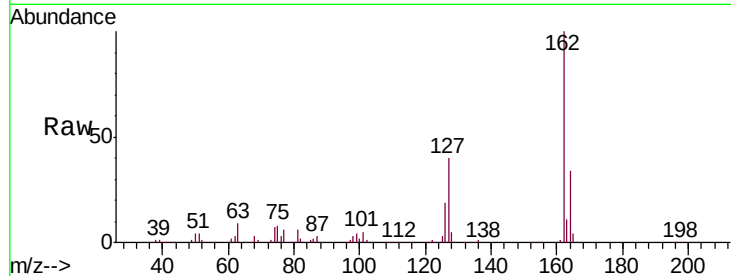
#47
 2-Chloronaphthalene
 Concen: 39.604 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	557135		
127	39.9	32.8	49.2	
164	33.7	26.6	39.8	

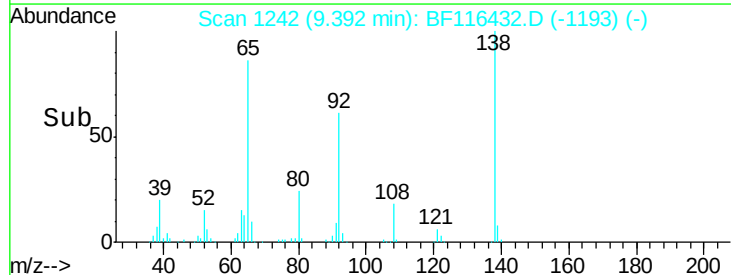
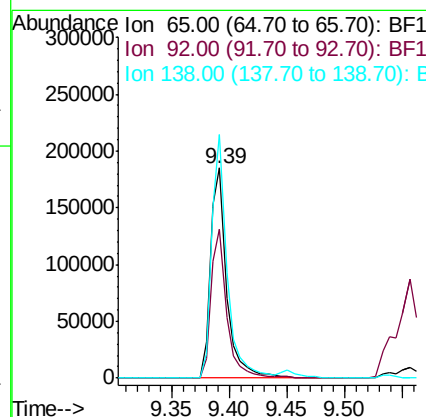
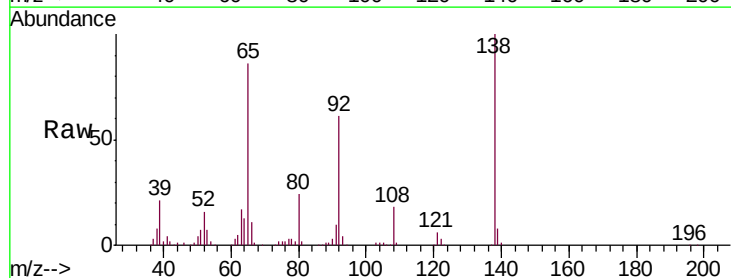
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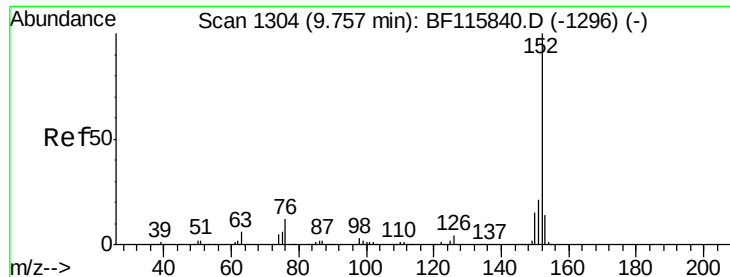
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#48
 2-Nitroaniline
 Concen: 39.111 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	181865		
92	70.7	57.8	86.8	
138	116.0	94.0	141.0	





#49

Acenaphthylene

Concen: 40.856 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

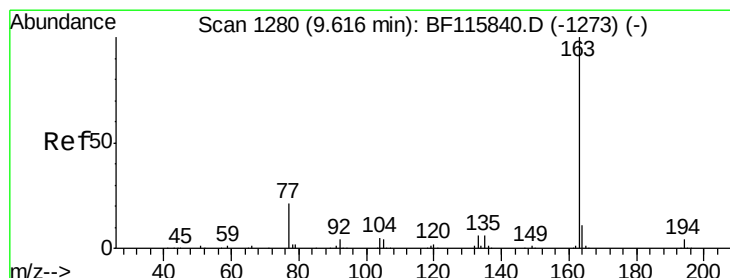
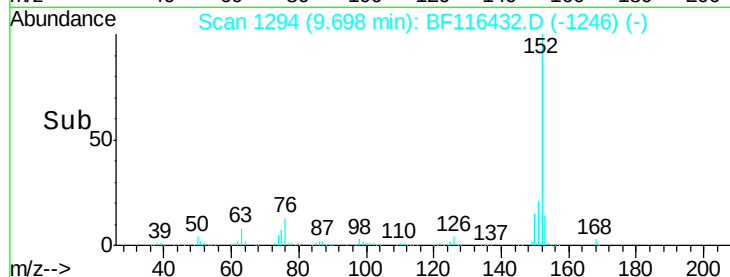
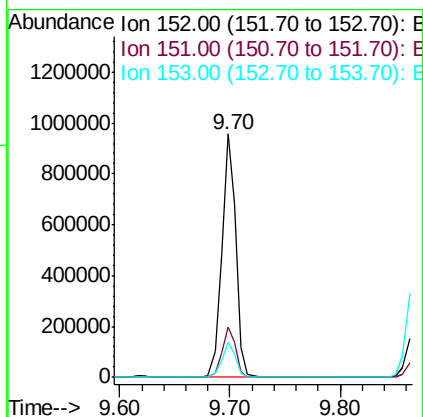
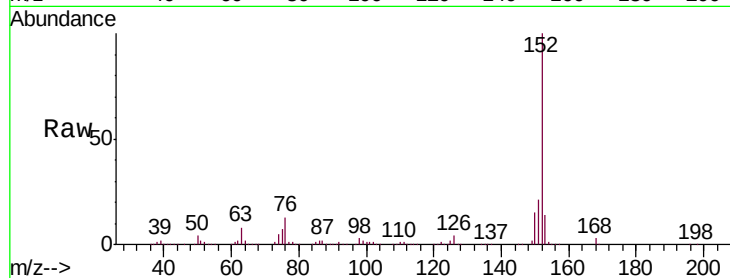
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	152	Resp:	838510
Ion Ratio	Lower	Upper	
152	100		
151	20.8	17.2	25.8
153	14.2	11.8	17.8

Manual Integrations
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#50

Dimethylphthalate

Concen: 49.080 ng

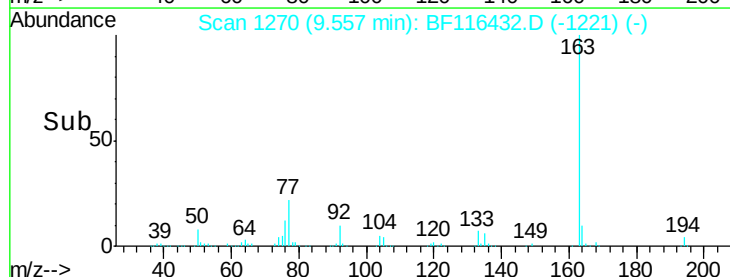
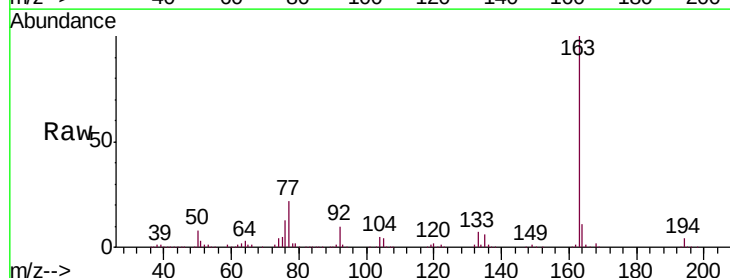
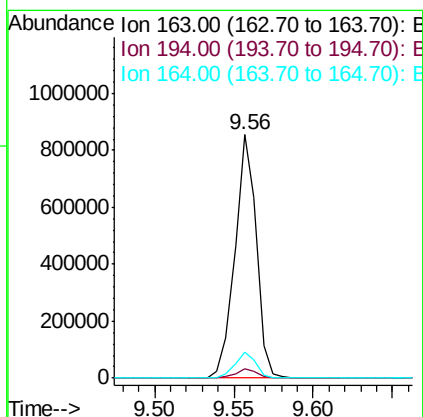
RT: 9.56 min Scan# 1270

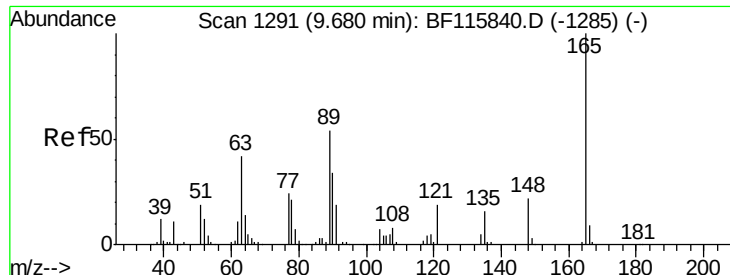
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	163	Resp:	800072
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.6	8.4	12.6





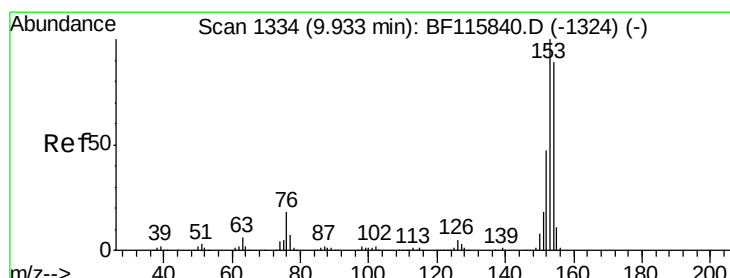
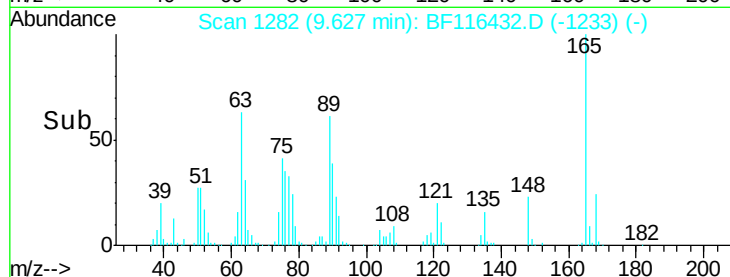
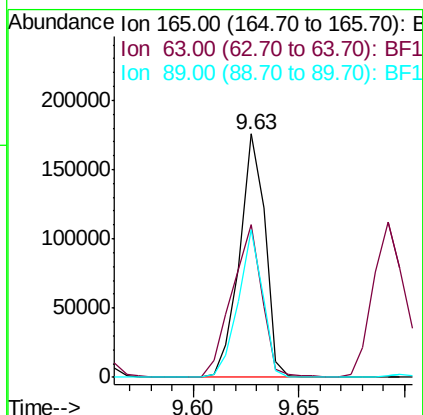
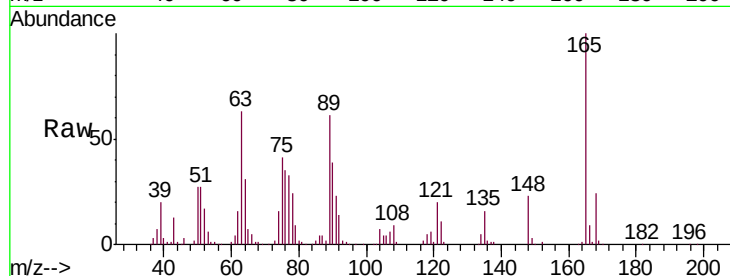
#51
 2,6-Dinitrotoluene
 Concen: 41.403 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	62.8	38.2	57.2#
89	60.6	42.9	64.3

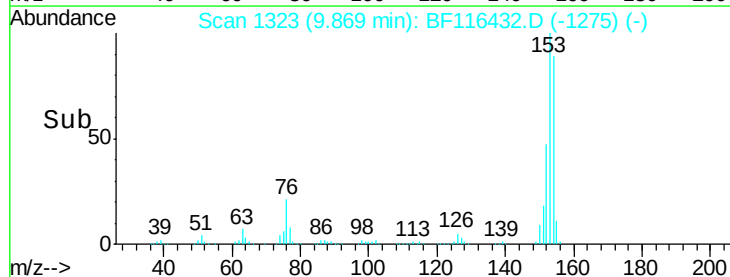
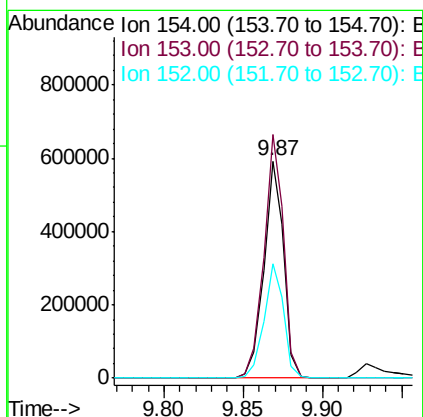
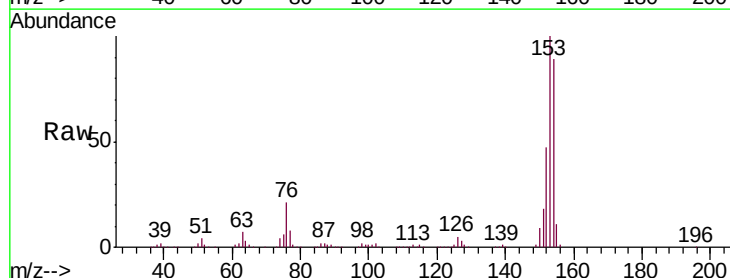
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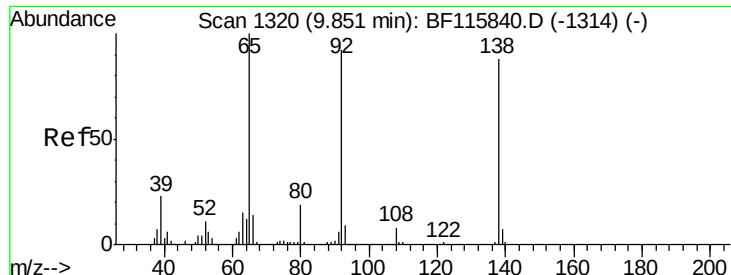
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#52
 Acenaphthene
 Concen: 40.947 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	112.1	89.4	134.0
152	53.0	42.3	63.5





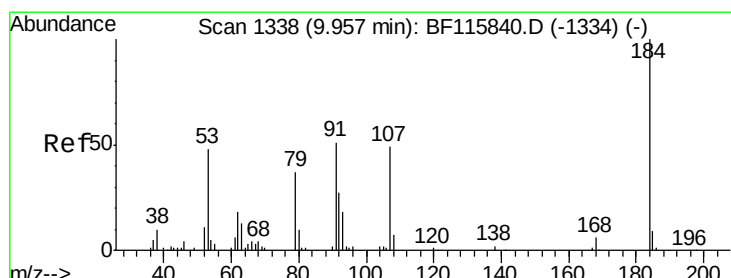
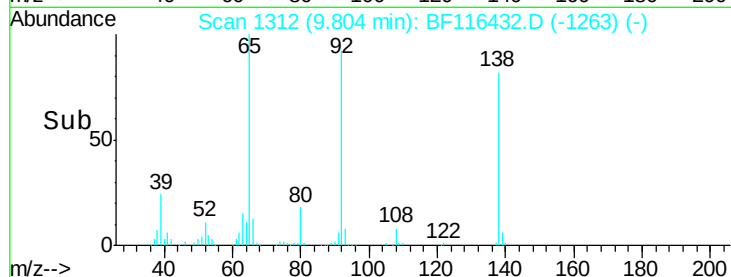
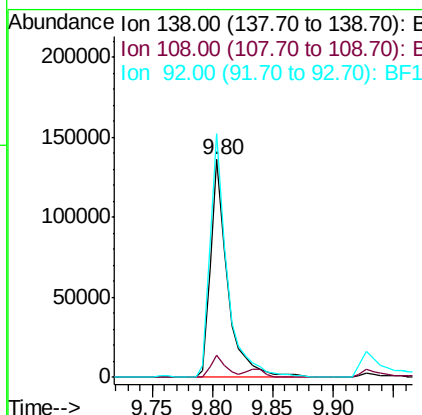
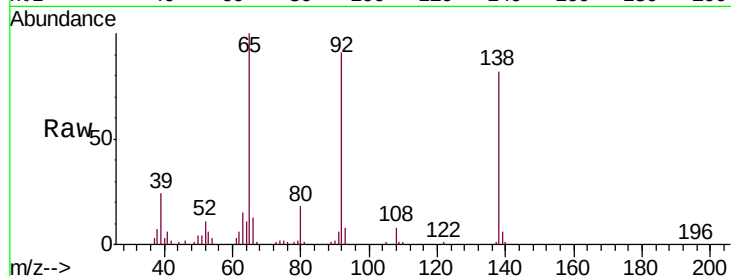
#53
3-Nitroaniline
Concen: 30.330 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion:138 Resp: 132763
Ion Ratio Lower Upper
138 100
108 10.0 8.0 12.0
92 111.8 91.0 136.6

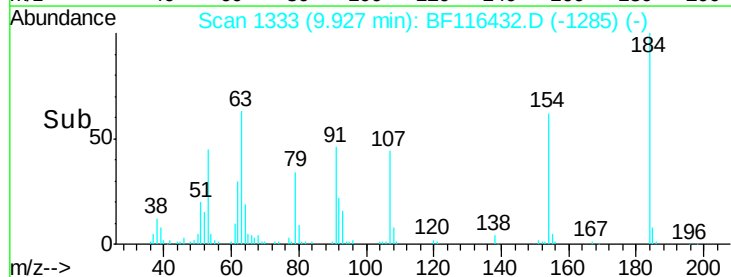
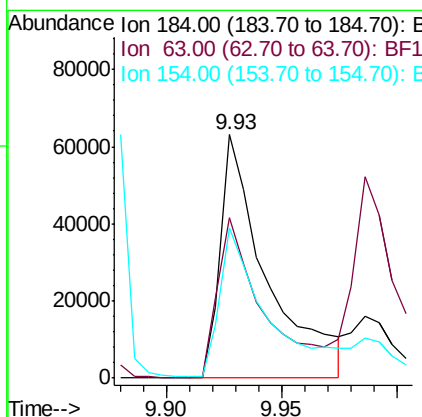
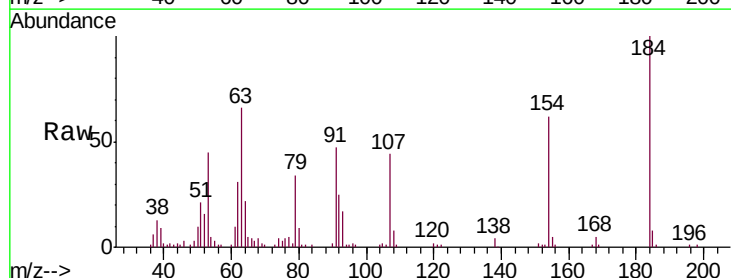
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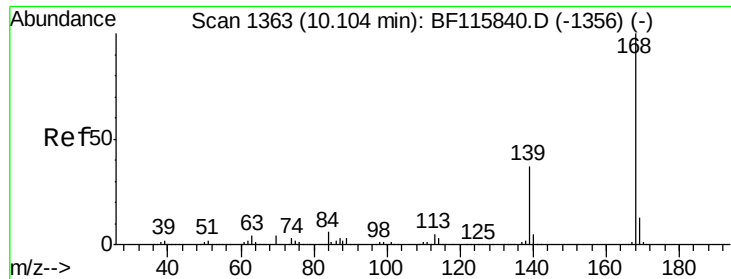
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#54
2,4-Dinitrophenol
Concen: 51.999 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion:184 Resp: 88231
Ion Ratio Lower Upper
184 100
63 66.1 53.0 79.4
154 61.7 50.1 75.1





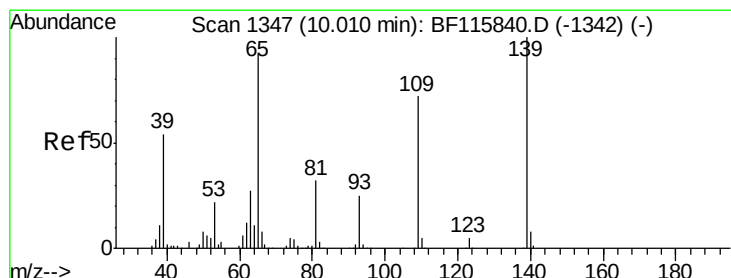
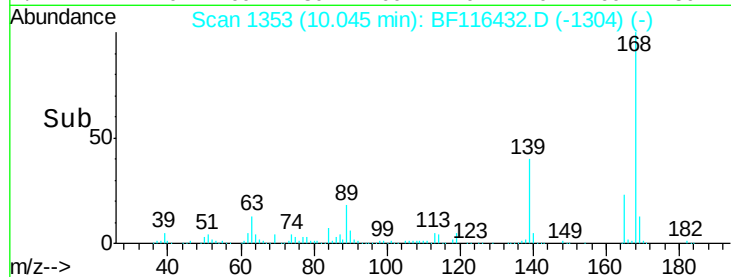
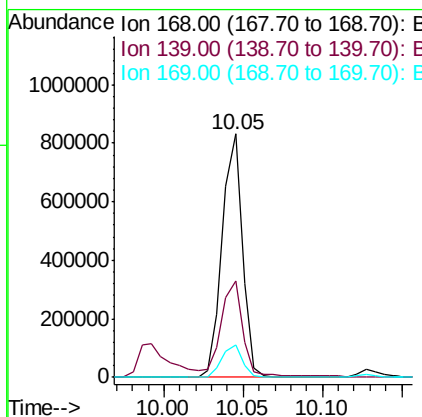
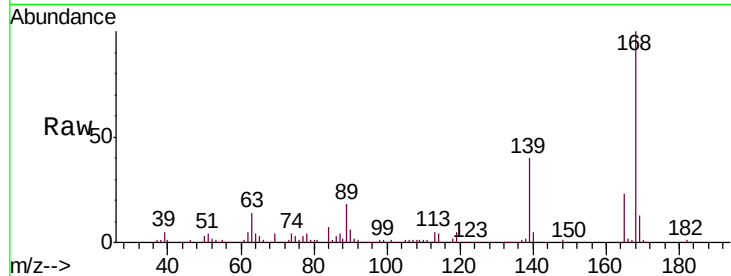
#55
Dibenzenofuran
Concen: 40.229 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	736612		
139	39.7	31.4	47.2	
169	13.2	10.9	16.3	

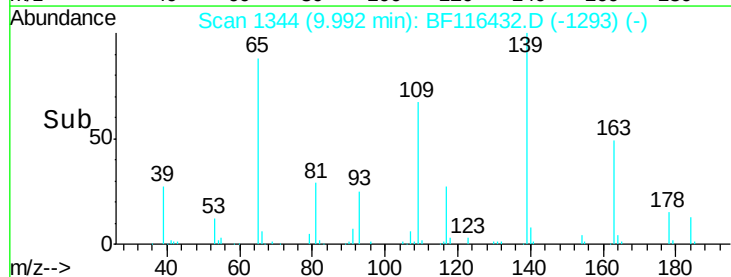
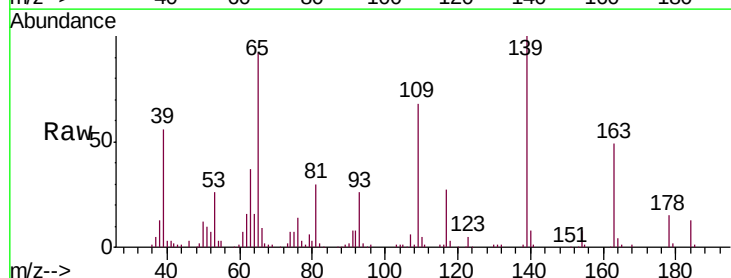
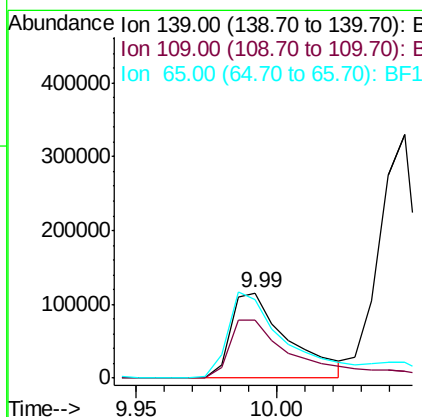
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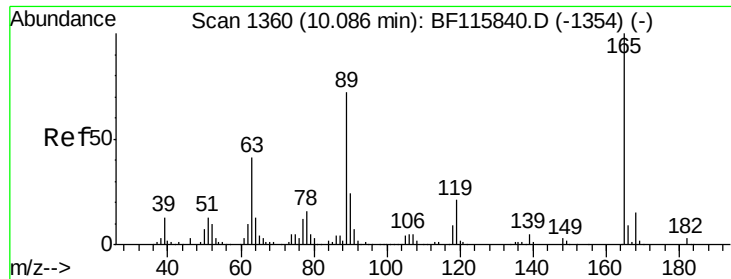
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#56
4-Nitrophenol
Concen: 57.513 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	161270		
109	68.0	54.4	94.4	
65	92.2	80.6	120.6	





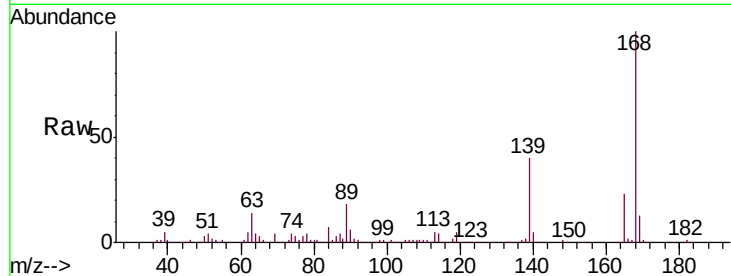
#57
 2,4-Dinitrotoluene
 Concen: 39.777 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

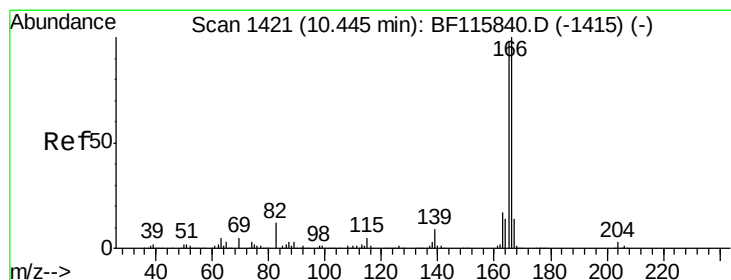
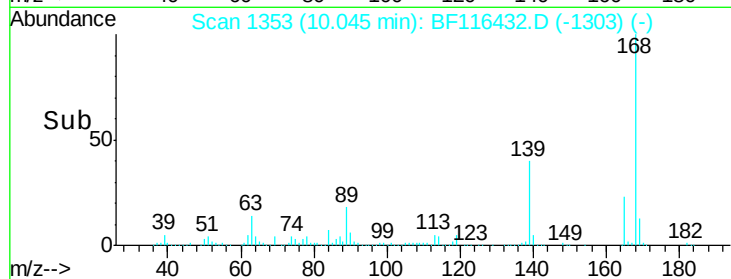
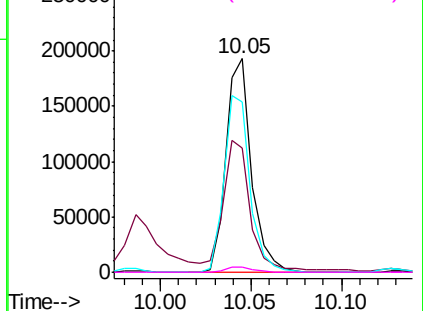
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	187615		
63	58.4	39.6	59.4	
89	79.5	62.2	93.2	
182	2.6	2.1	3.1	

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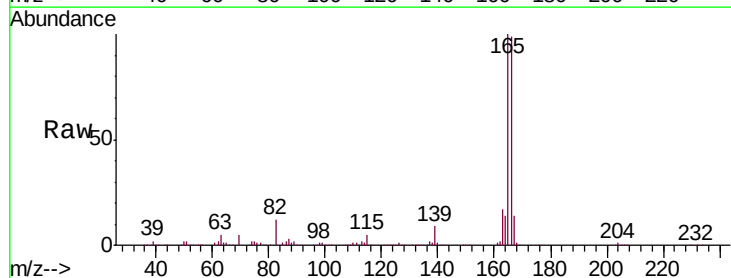


Abundance Ion 165.00 (164.70 to 165.70): E
 300000
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

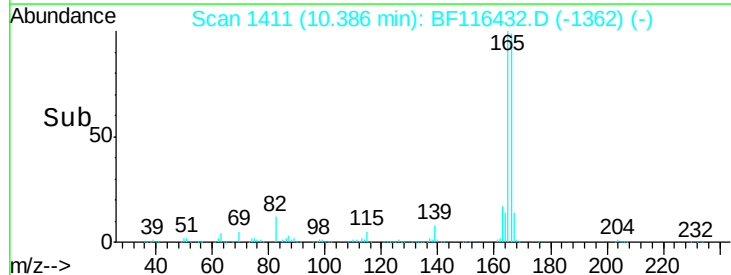
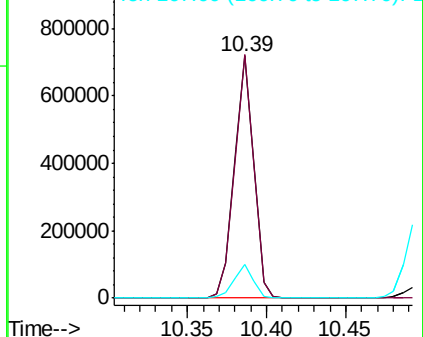


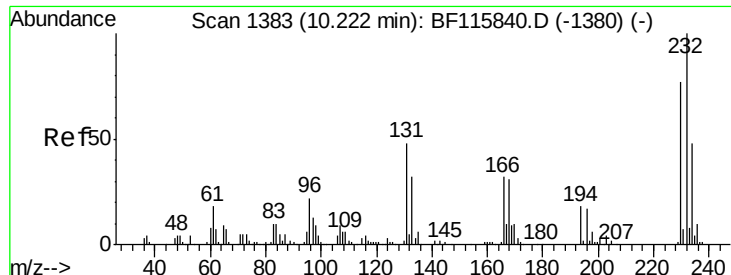
#58
 Fluorene
 Concen: 43.527 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	613185		
165	100.6	78.4	117.6	
167	13.7	11.0	16.4	



Abundance Ion 166.00 (165.70 to 166.70): E
 1000000
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





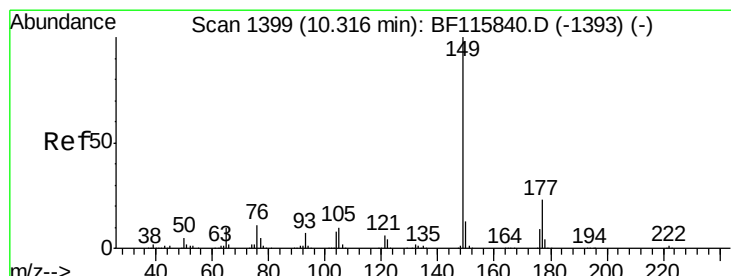
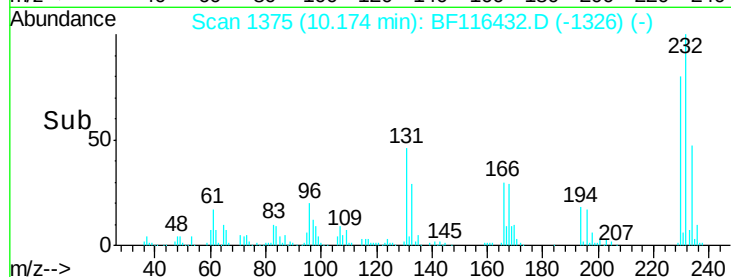
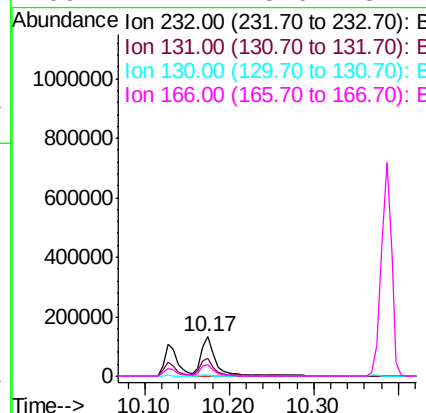
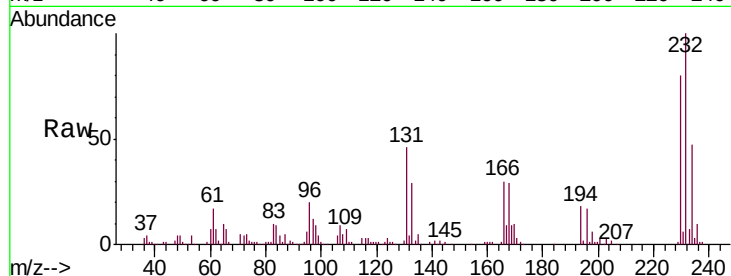
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.595 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	155533		
131	41.9	36.2	54.2	
130	2.4	1.9	2.9	
166	27.4	23.0	34.4	

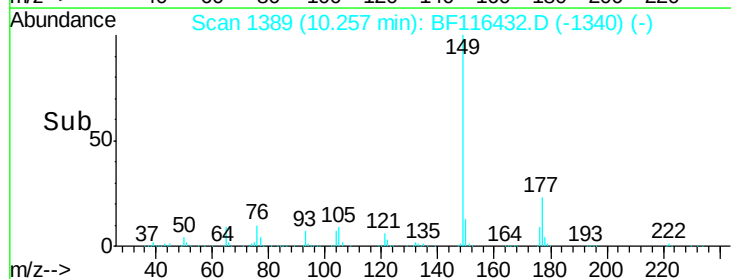
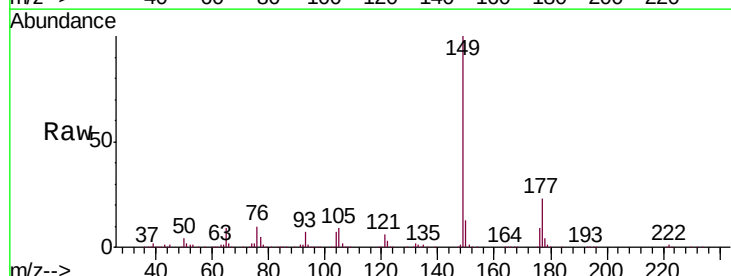
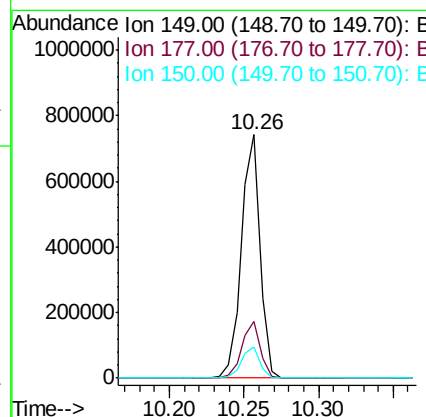
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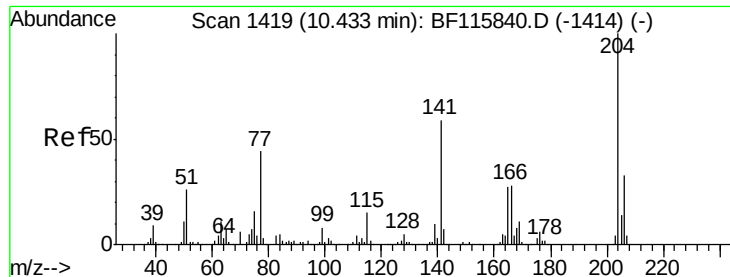
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#60
 Diethylphthalate
 Concen: 42.928 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	653339		
177	23.4	18.8	28.2	
150	12.6	10.2	15.4	





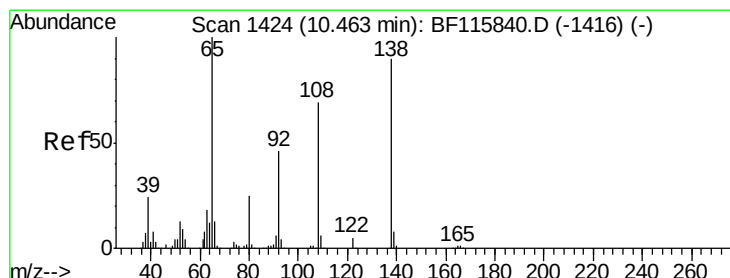
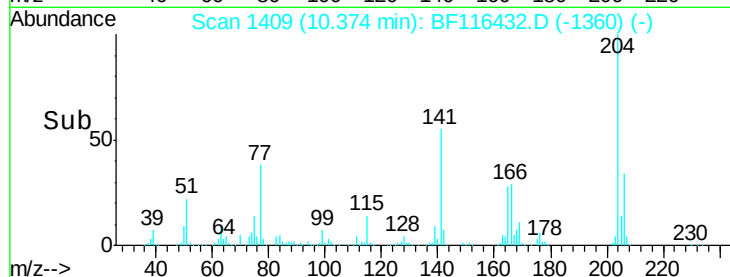
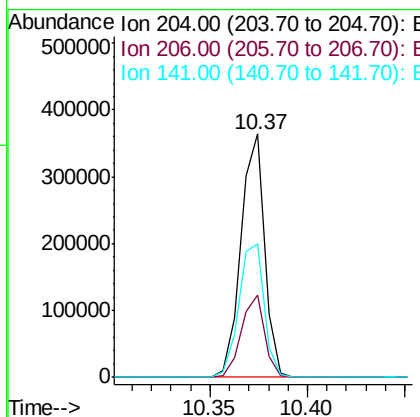
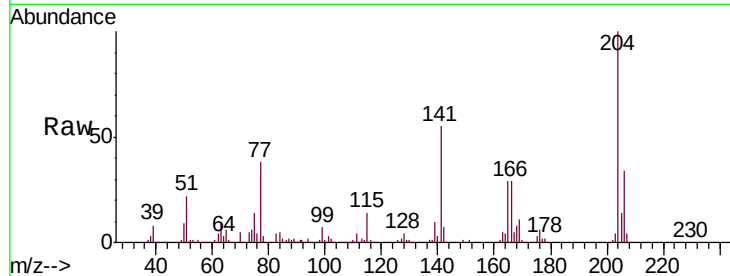
#61
 4-Chlorophenyl-phenylether
 Concen: 42.992 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion:	204	Resp:	306738
Ion Ratio	Lower	Upper	
204	100		
206	33.6	26.4	39.6
141	55.1	46.4	69.6

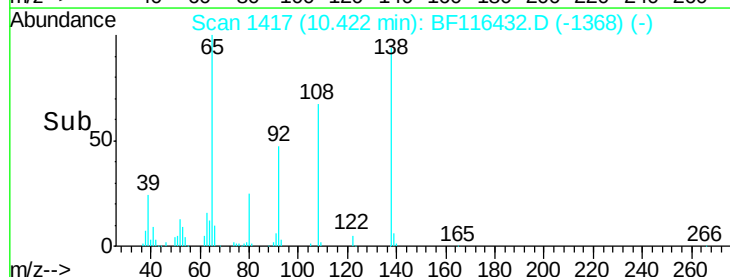
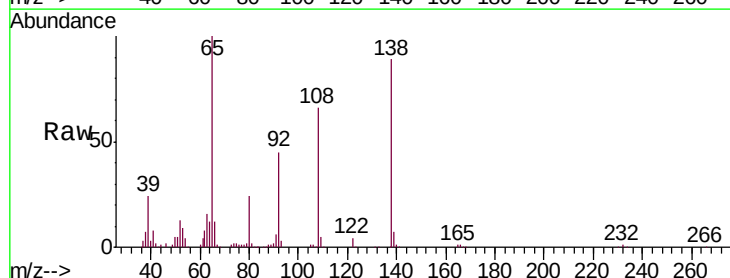
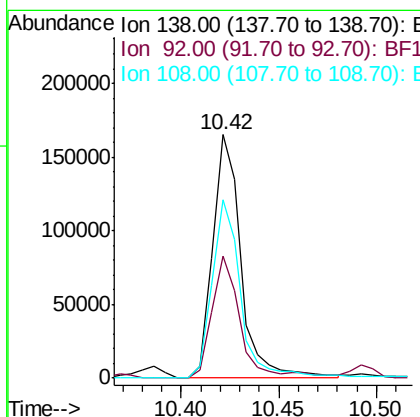
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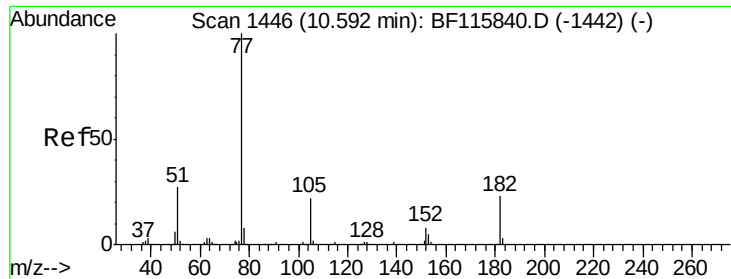
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#62
 4-Nitroaniline
 Concen: 36.681 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion:	138	Resp:	165932
Ion Ratio	Lower	Upper	
138	100		
92	49.9	29.0	69.0
108	73.4	54.7	94.7





#63

Azobenzene

Concen: 42.697 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF116432.D

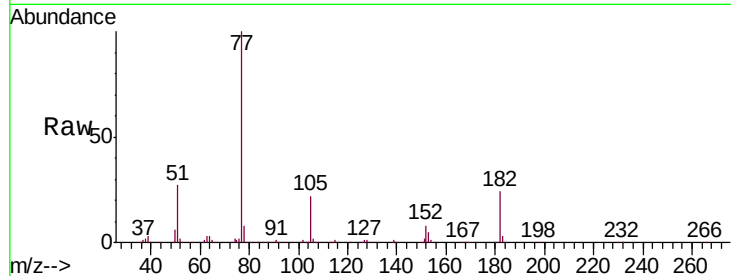
Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

ClientSampleId :

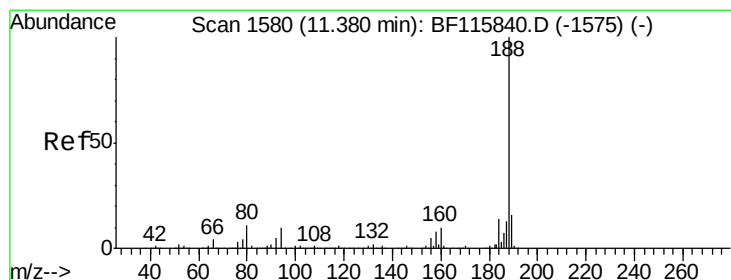
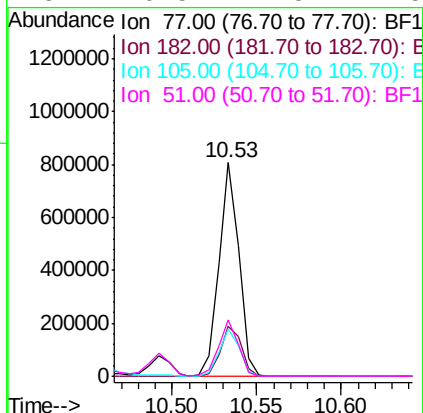
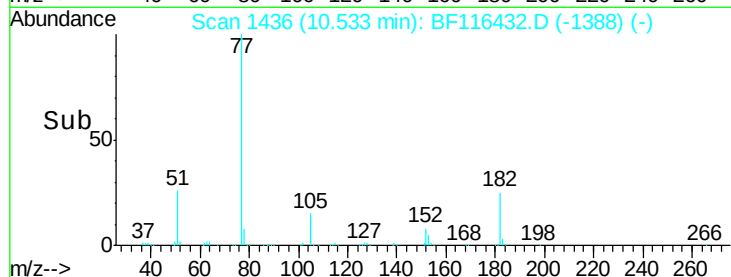
CP-MW2-N-12-16-SOILMS



Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.6	4.0	44.0
105	22.1	2.0	42.0
51	26.5	7.5	47.5

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#64

Phenanthrene-d10

Concen: 20.000 ng

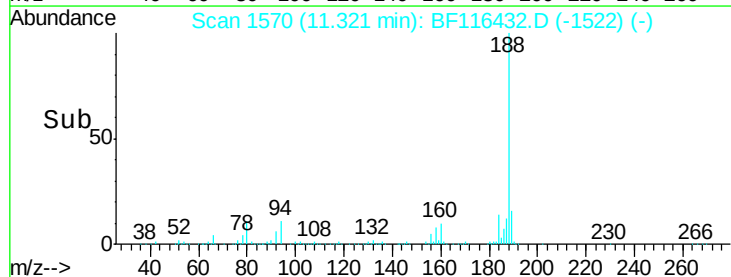
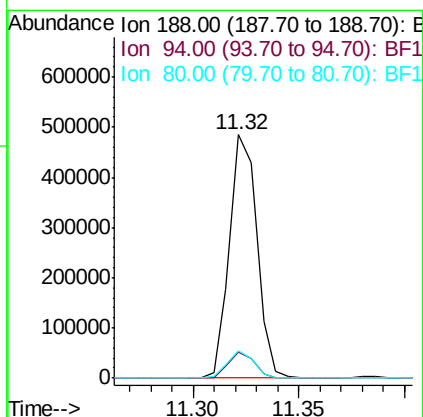
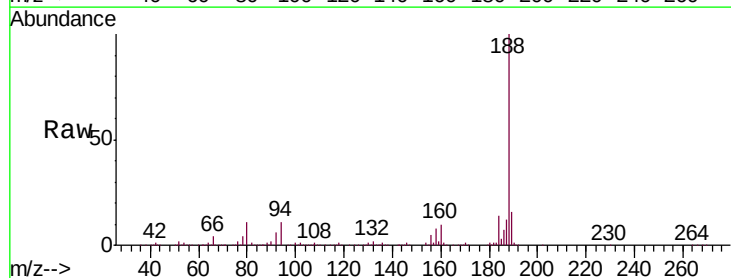
RT: 11.32 min Scan# 1570

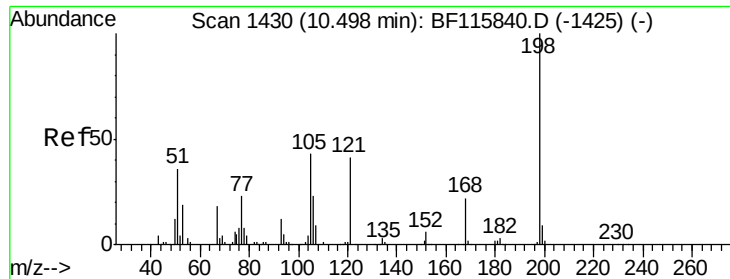
Delta R.T. -0.02 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.1	12.1
80	11.3	8.7	13.1





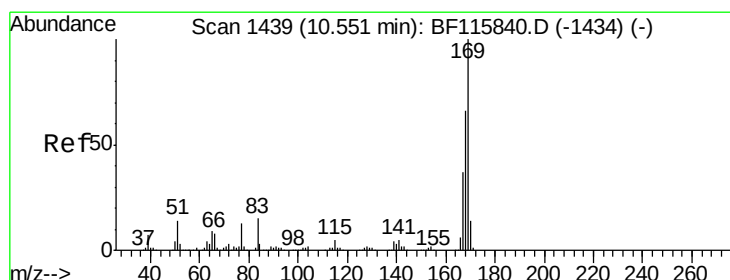
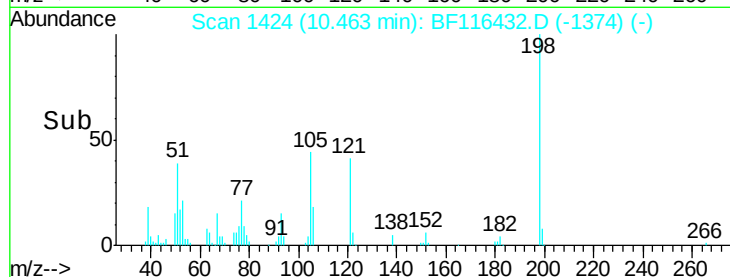
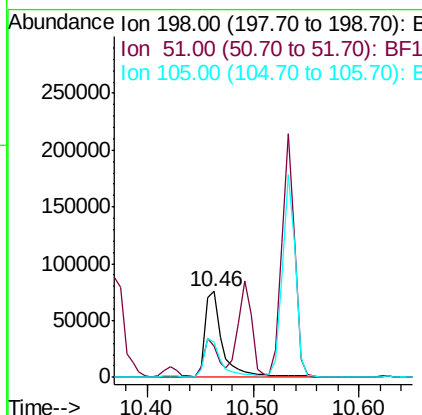
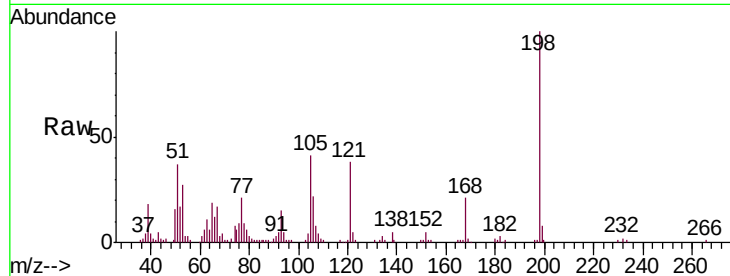
#65
 4,6-Dinitro-2-methylphenol
 Concen: 38.257 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	88358		
51	36.8	17.0	57.0	
105	40.6	21.6	61.6	

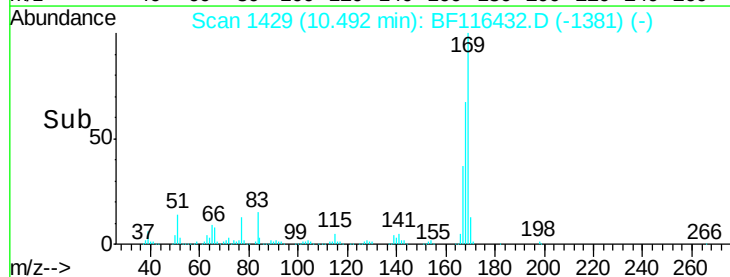
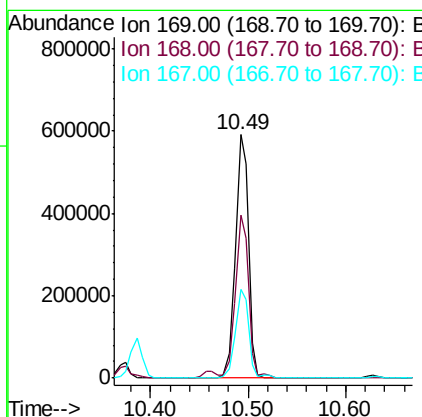
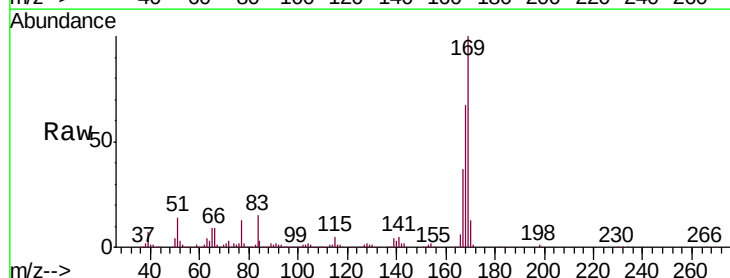
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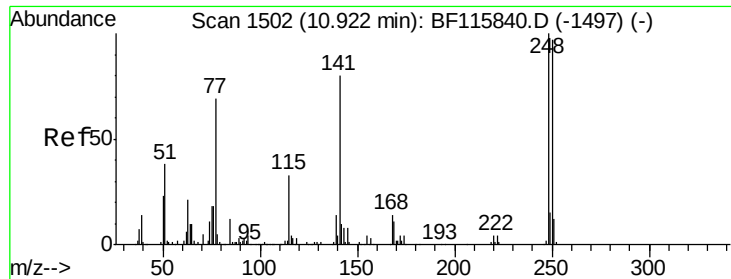
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#66
 n-Nitrosodiphenylamine
 Concen: 41.756 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	547756		
168	66.8	53.8	80.6	
167	36.7	29.6	44.4	





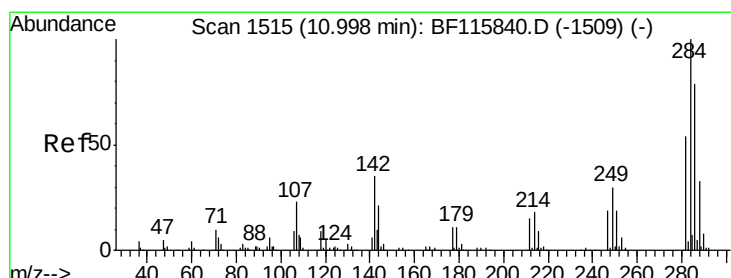
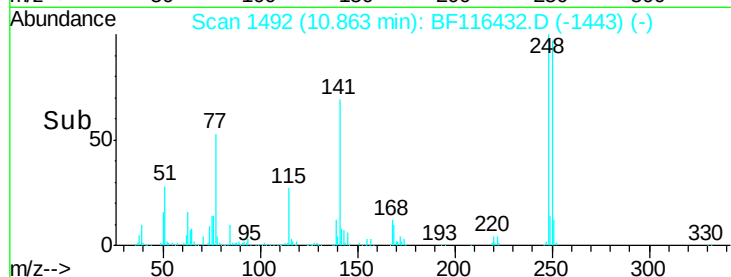
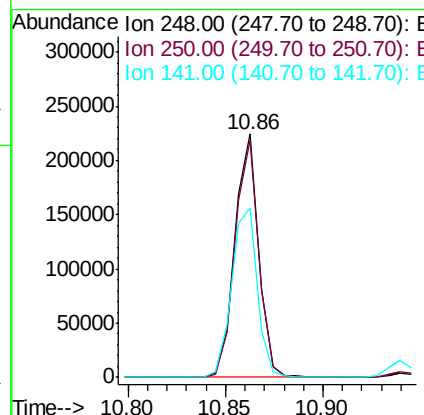
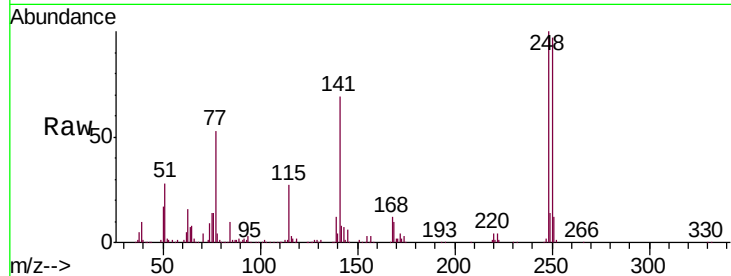
#67
 4-Bromophenyl-phenylether
 Concen: 40.448 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	188711		
250	97.4	77.4	116.2	
141	69.4	56.8	85.2	

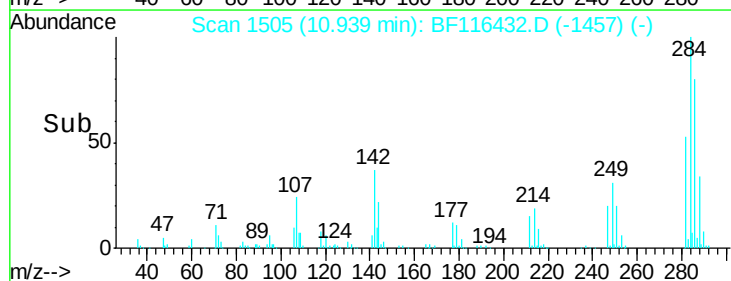
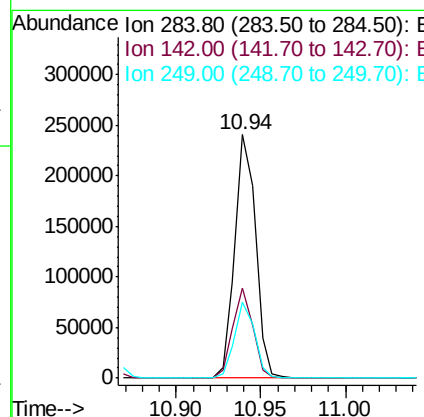
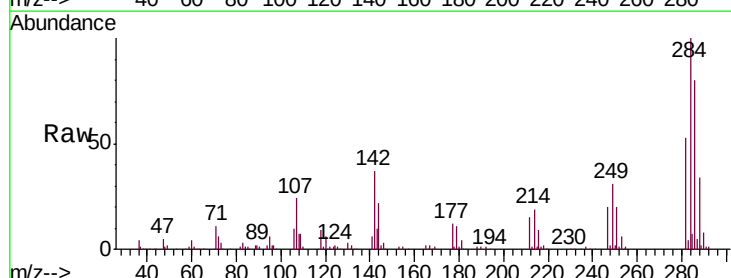
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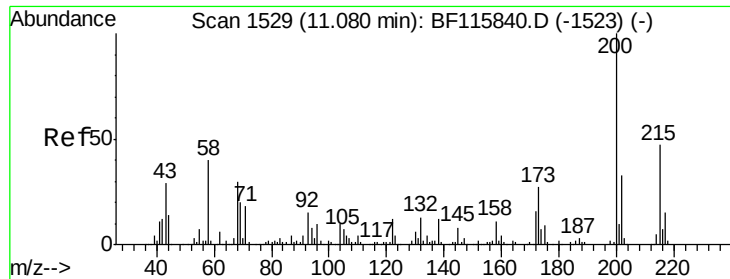
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#68
 Hexachlorobenzene
 Concen: 38.193 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.02 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	206050		
142	37.2	28.4	42.6	
249	31.0	24.5	36.7	





#69

Atrazine

Concen: 40.517 ng

RT: 11.02 min Scan# 1519

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

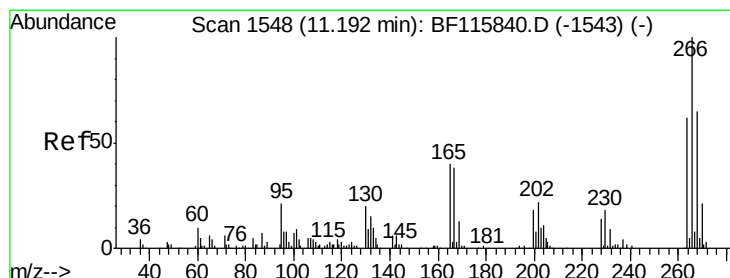
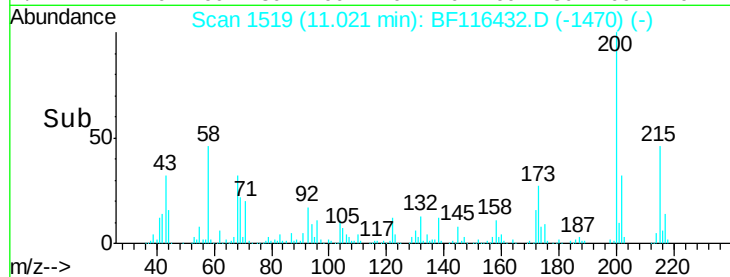
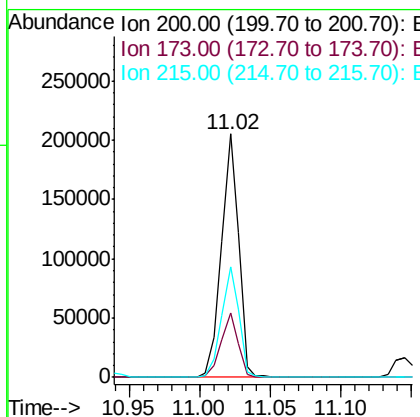
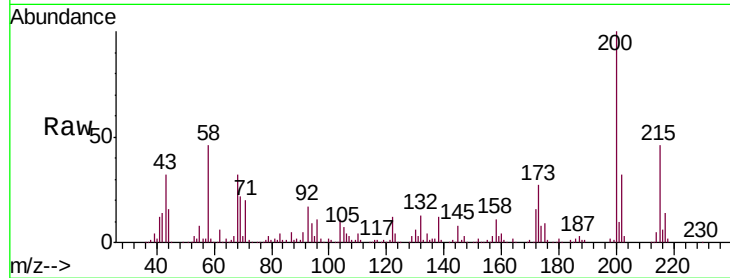
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	200	Resp:	174853
Ion Ratio	Lower	Upper	
200	100		
173	26.7	6.8	46.8
215	45.5	27.5	67.5

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#70

Pentachlorophenol

Concen: 52.744 ng

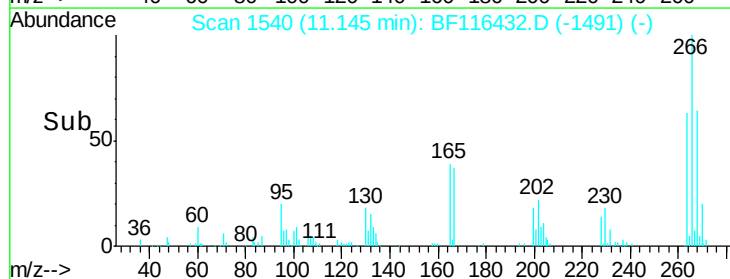
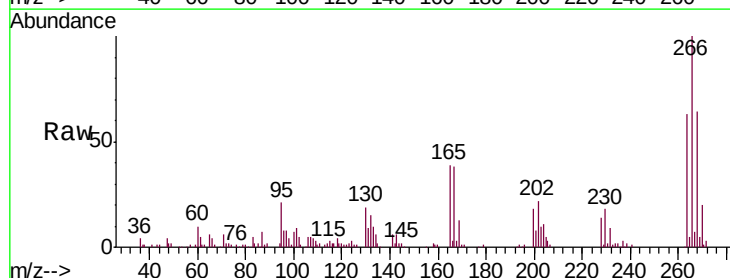
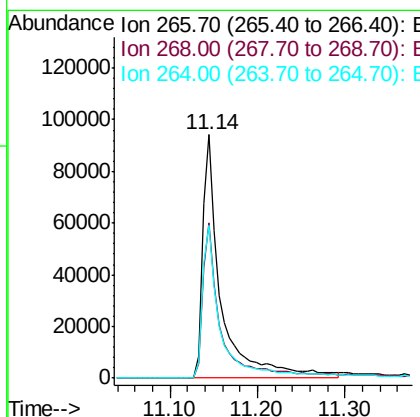
RT: 11.14 min Scan# 1540

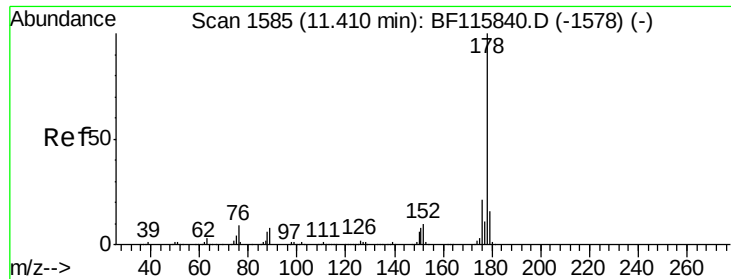
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	266	Resp:	138149
Ion Ratio	Lower	Upper	
266	100		
268	63.8	48.8	73.2
264	62.6	50.6	76.0





#71

Phenanthrene

Concen: 41.311 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

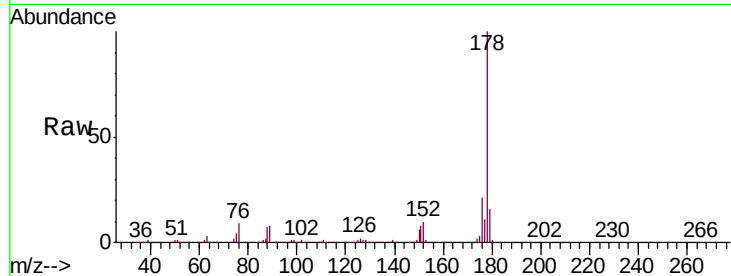
ClientSampleId :

CP-MW2-N-12-16-SOILMS

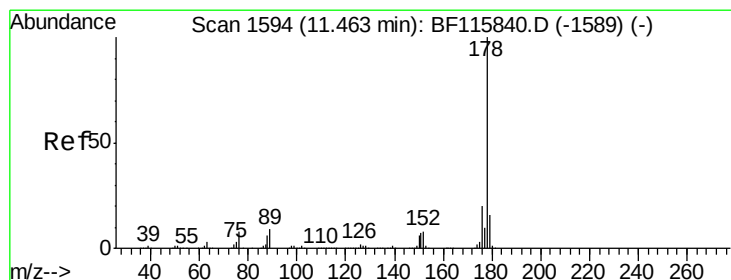
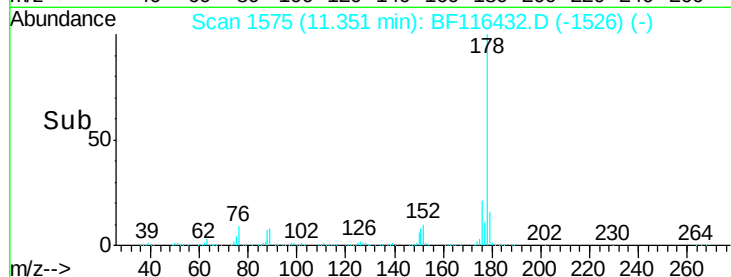
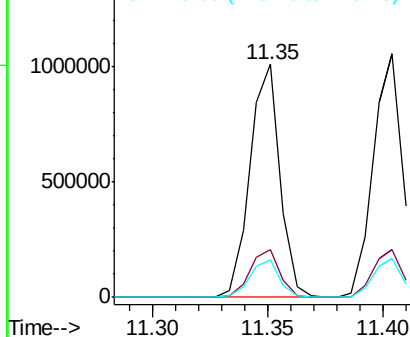
Tgt Ion:	178	Resp:	920441
Ion Ratio	Lower	Upper	
178	100		
176	20.6	16.6	24.8
179	15.9	12.5	18.7

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 42.363 ng

RT: 11.40 min Scan# 1584

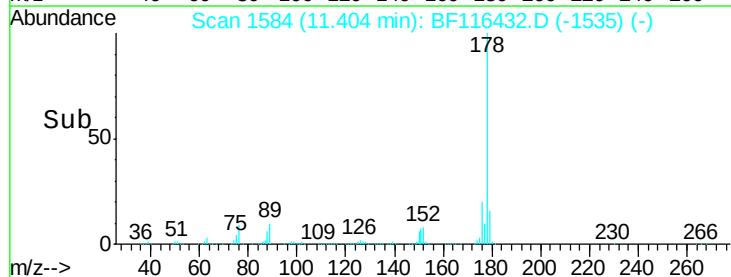
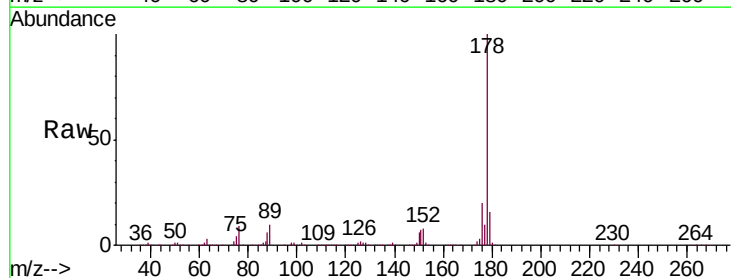
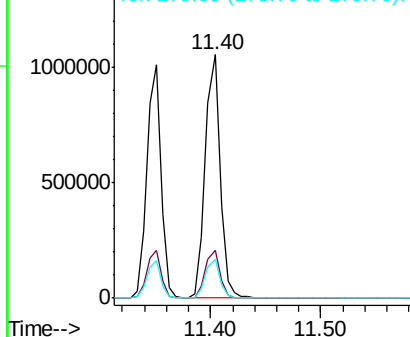
Delta R.T. -0.01 min

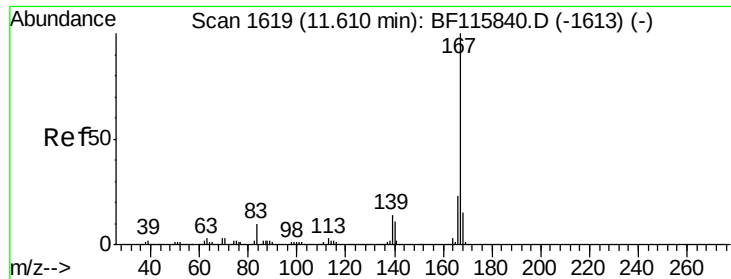
Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	178	Resp:	955235
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.7	23.5
179	15.7	13.0	19.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





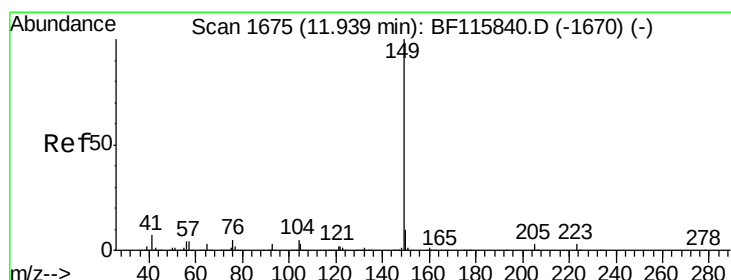
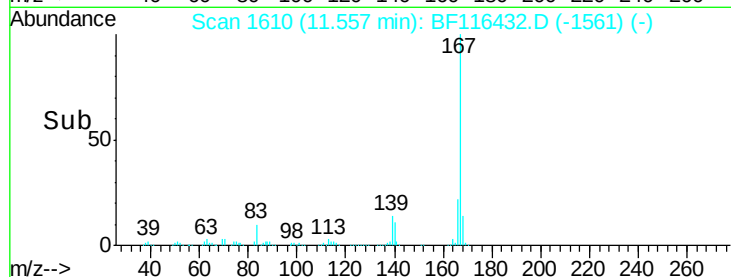
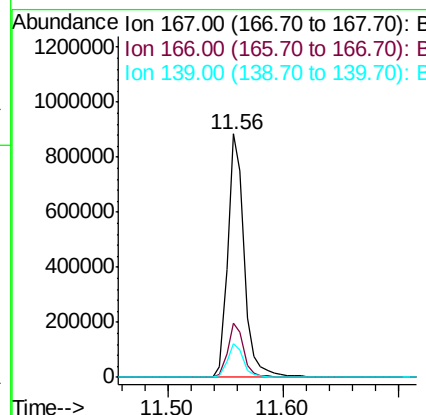
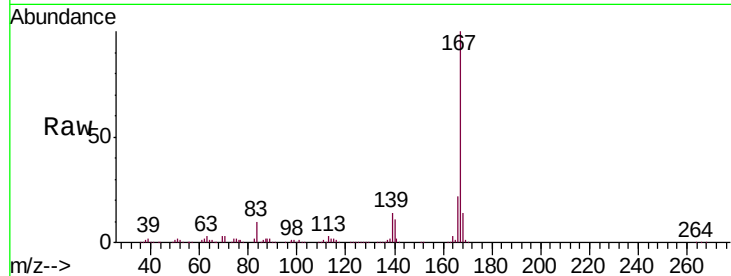
#73
 Carbazole
 Concen: 42.519 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	869835		
166	22.1		17.8	26.6
139	14.0		11.4	17.0

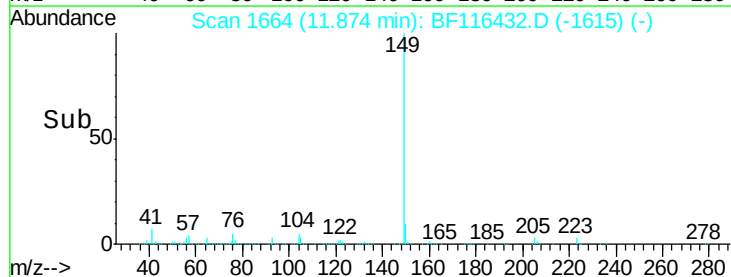
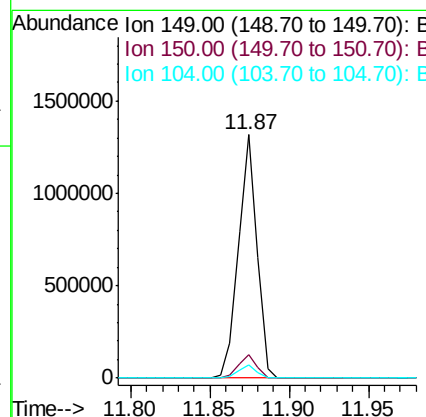
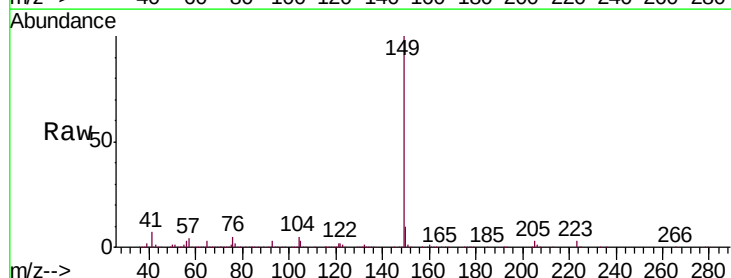
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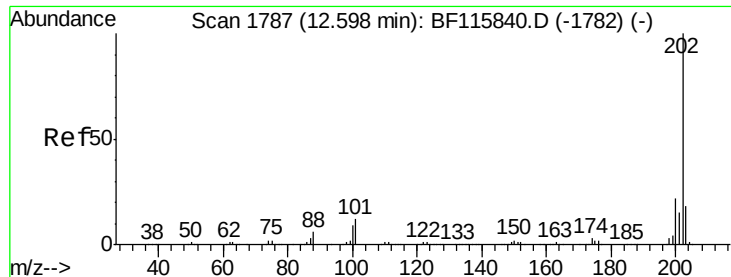
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#74
 Di-n-butylphthalate
 Concen: 44.843 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1070151		
150	9.6		8.0	12.0
104	5.2		4.5	6.7





#75

Fluoranthene

Concen: 42.879 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

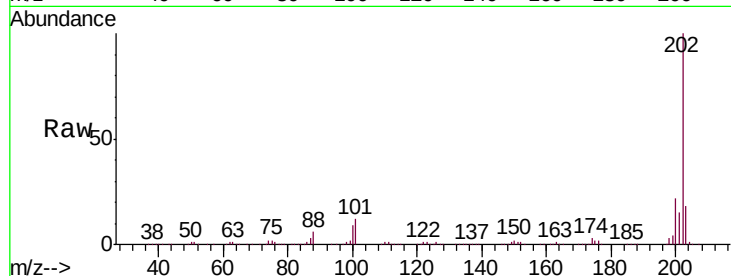
ClientSampleId :

CP-MW2-N-12-16-SOILMS

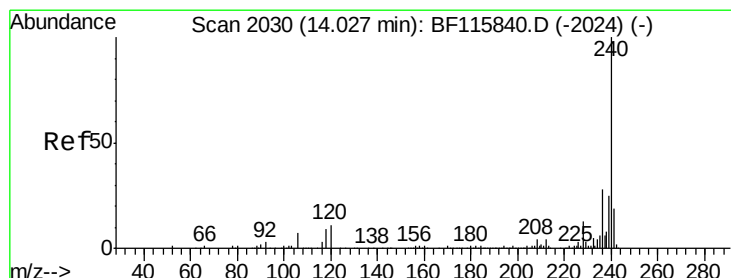
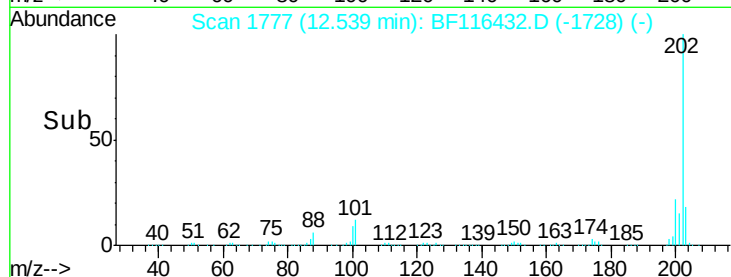
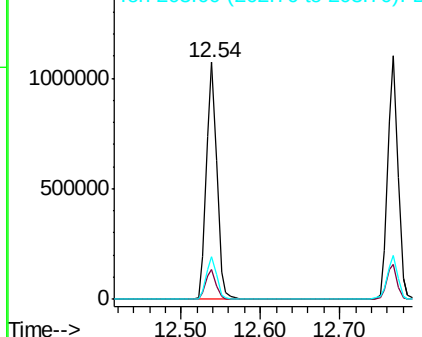
Tgt Ion:	202	Resp:	1000172
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.2
203	18.0	0.0	37.8

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Abundance Ion 202.00 (201.70 to 202.70): E
1500000 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: 13.97 min Scan# 2020

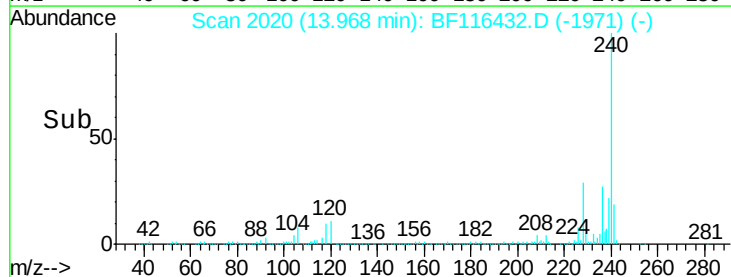
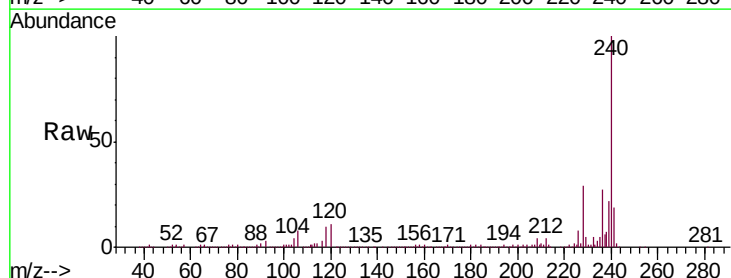
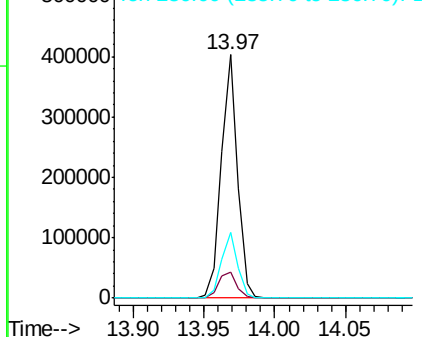
Delta R.T. -0.01 min

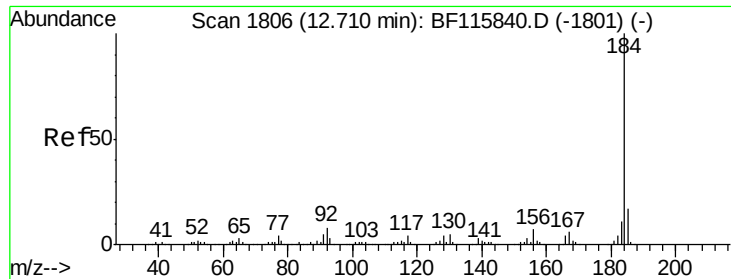
Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	240	Resp:	322721
Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.7	16.1
236	27.2	22.2	33.2

Abundance Ion 240.00 (239.70 to 240.70): E
500000 Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 38.545 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.02 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

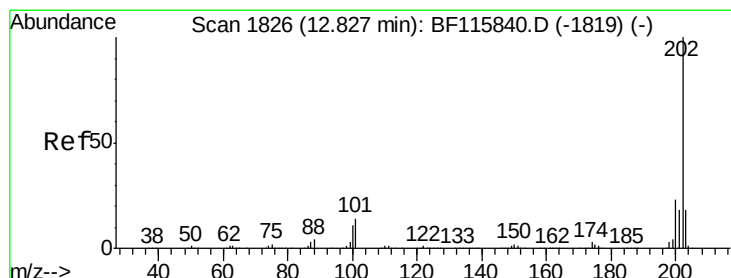
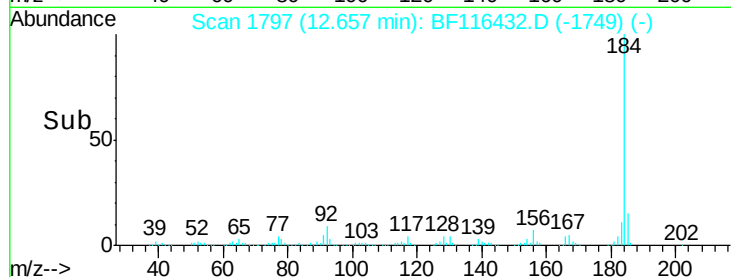
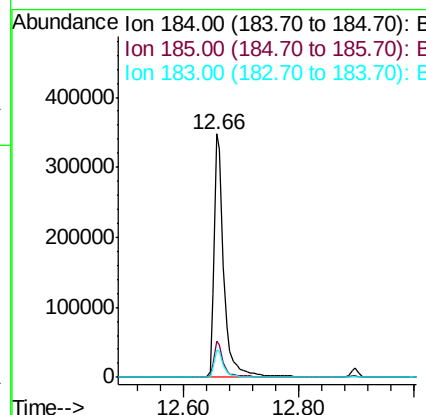
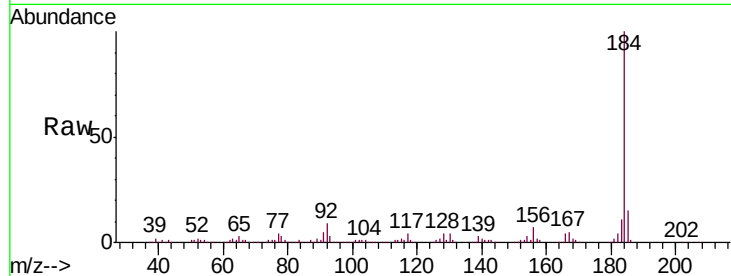
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	184	Resp:	420252
Ion Ratio	Lower	Upper	
184	100		
185	14.7	12.8	19.2
183	11.1	9.4	14.0

Manual Integrations
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#78

Pyrene

Concen: 41.336 ng

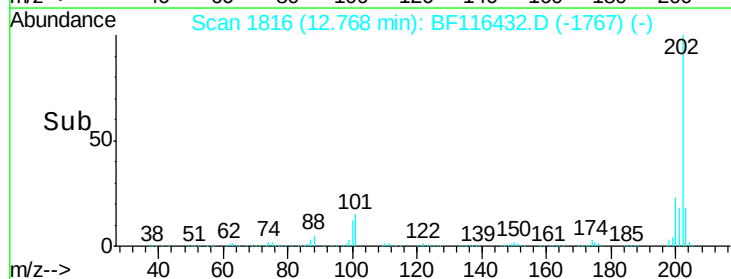
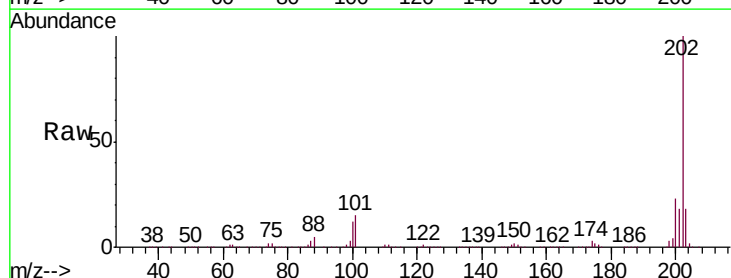
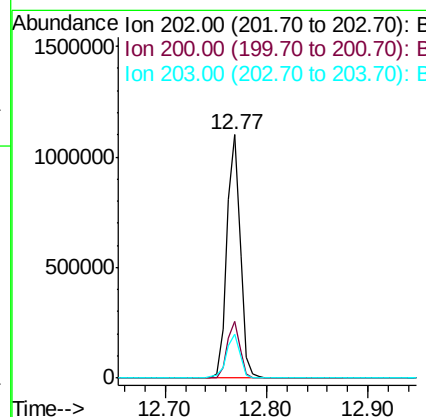
RT: 12.77 min Scan# 1816

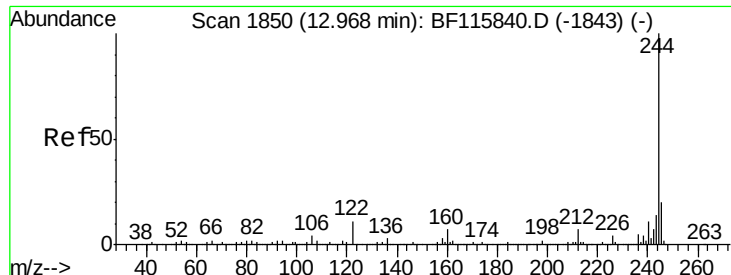
Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	202	Resp:	1005580
Ion Ratio	Lower	Upper	
202	100		
200	23.1	18.0	27.0
203	18.2	14.1	21.1





#79

Terphenyl-d14

Concen: 54.280 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

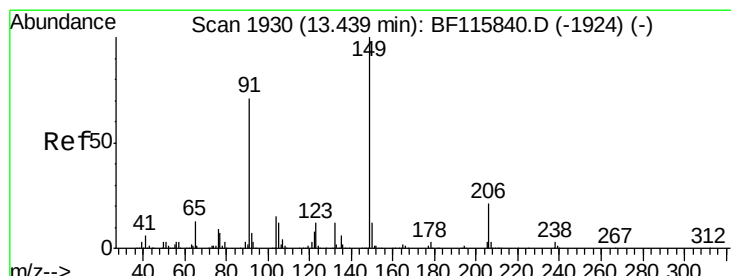
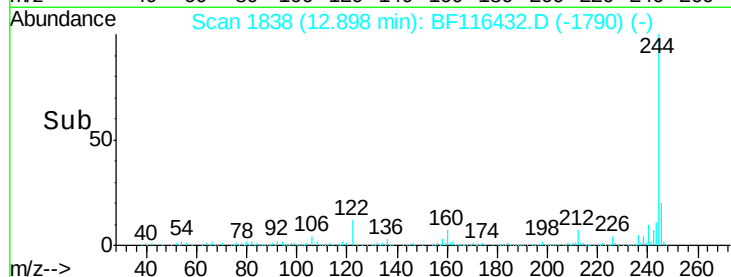
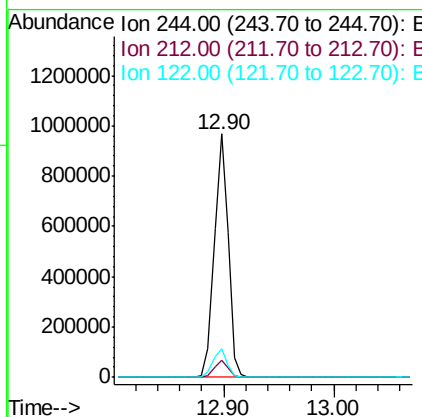
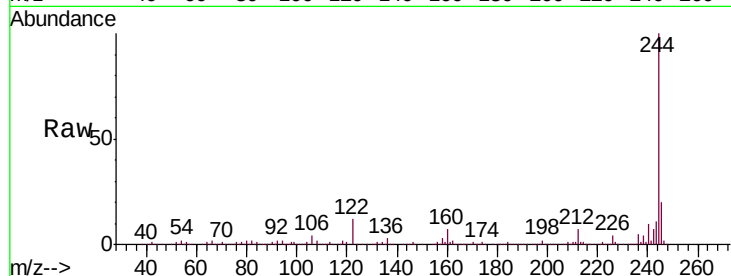
ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:	244	Resp:	831319
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	11.9	9.0	13.4

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 46.118 ng

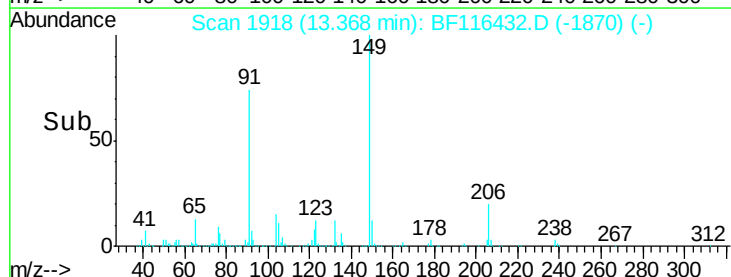
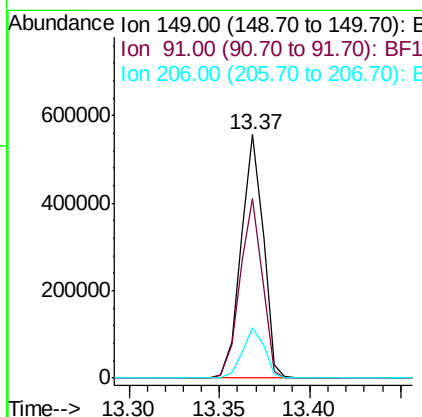
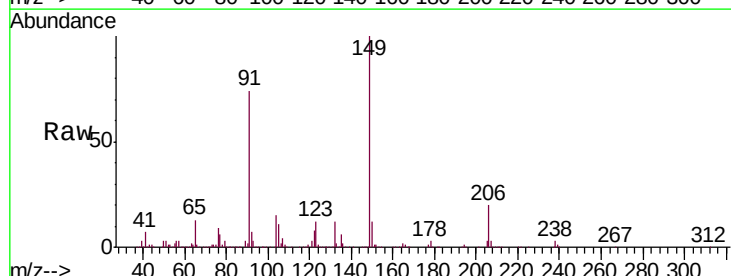
RT: 13.37 min Scan# 1918

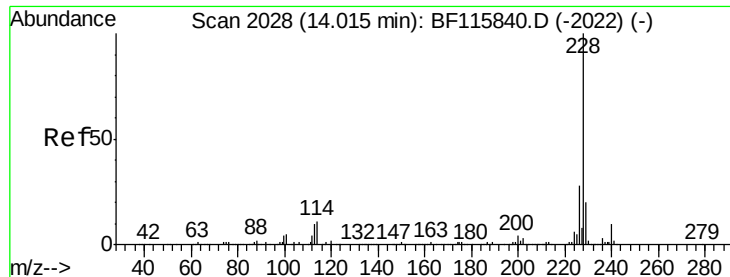
Delta R.T. -0.02 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Tgt Ion:	149	Resp:	474580
Ion Ratio	Lower	Upper	
149	100		
91	73.6	56.3	84.5
206	20.4	18.0	27.0





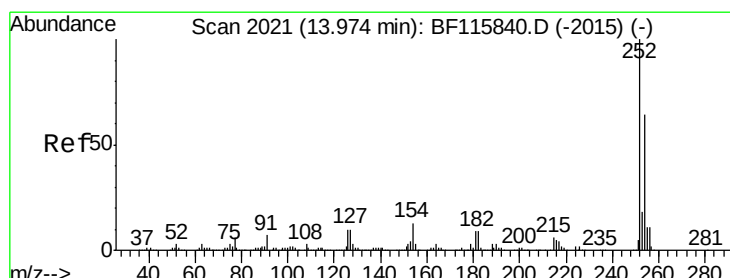
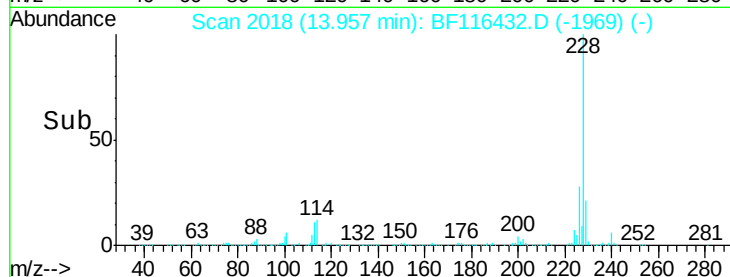
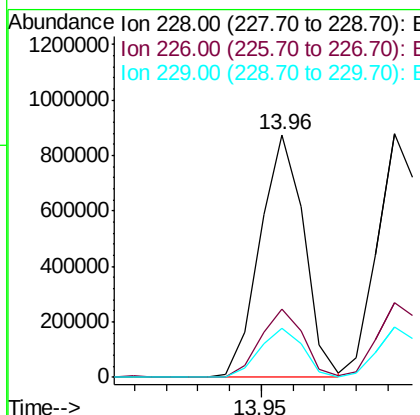
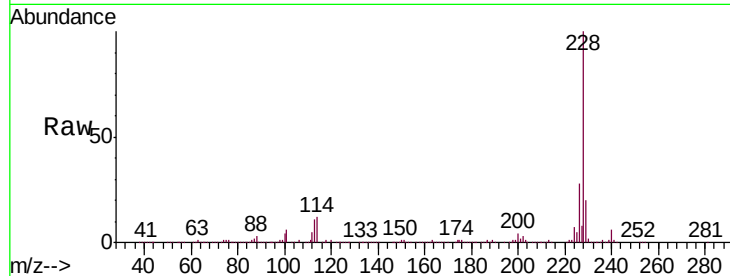
#81
Benzo(a)anthracene
Concen: 40.661 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	838721		
226	28.0	22.7	34.1	
229	20.5	16.2	24.4	

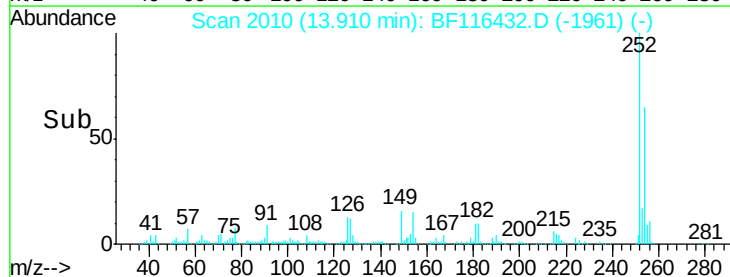
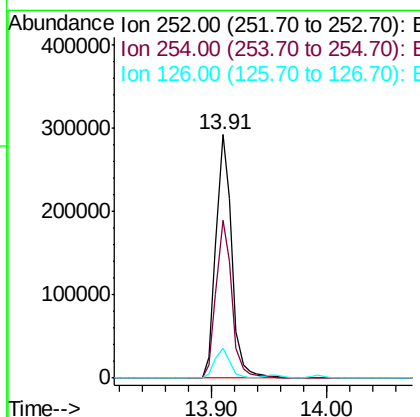
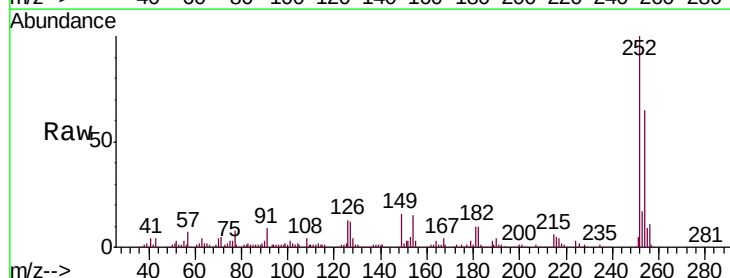
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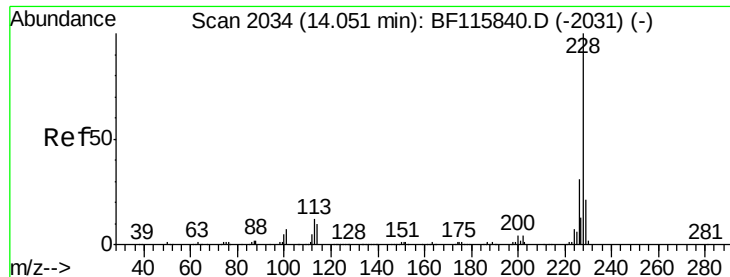
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#82
3,3'-Dichlorobenzidine
Concen: 39.041 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	279781		
254	64.8	50.9	76.3	
126	12.5	9.8	14.8	





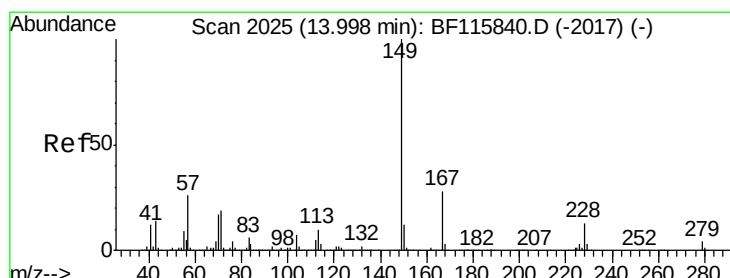
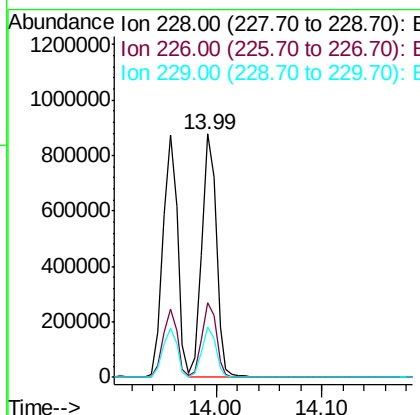
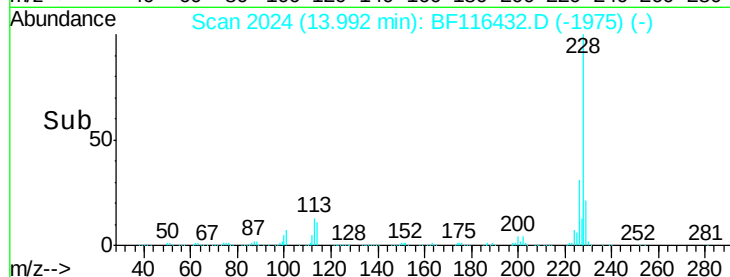
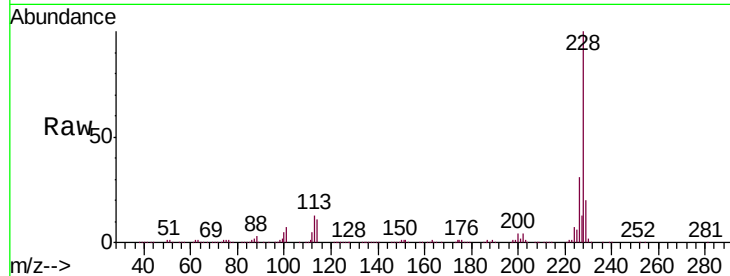
#83
Chrysene
 Concen: 41.414 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

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

Tgt Ion:	228	Resp:	829342
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.5	38.3
229	20.5	16.6	24.8

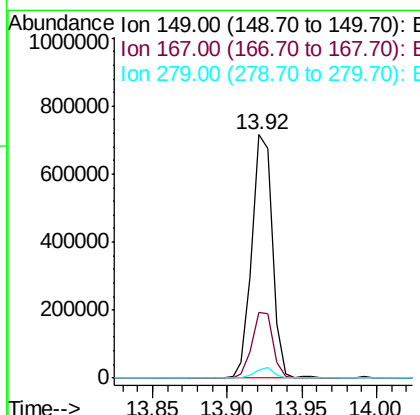
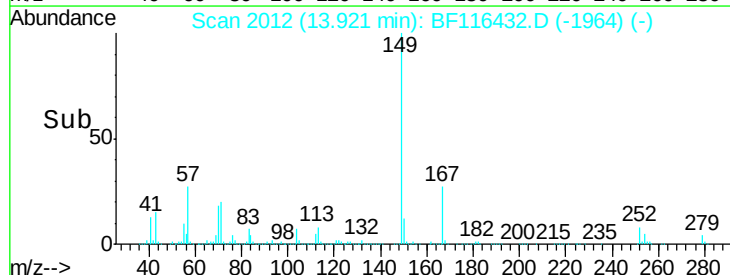
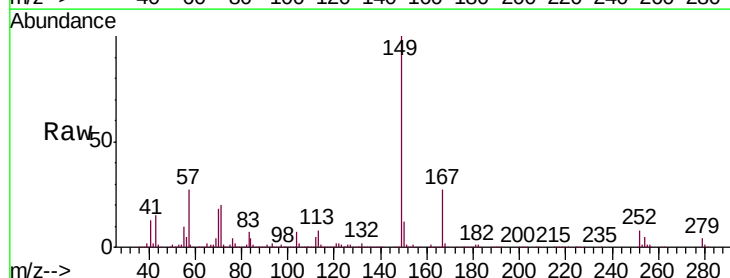
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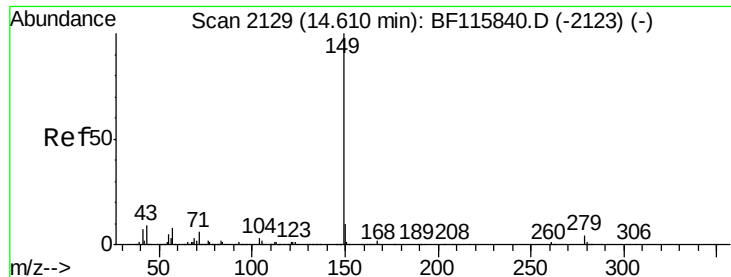
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#84
Bis(2-ethylhexyl)phthalate
 Concen: 50.741 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF116432.D
 Acq: 20 Aug 2019 14:02

Tgt Ion:	149	Resp:	678526
Ion Ratio	Lower	Upper	
149	100		
167	27.2	21.6	32.4
279	3.6	3.0	4.4





#85

Di-n-octyl phthalate

Concen: 52.009 ng

RT: 14.53 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMS

Tgt Ion:149 Resp: 1104689

Ion Ratio Lower Upper

149 100

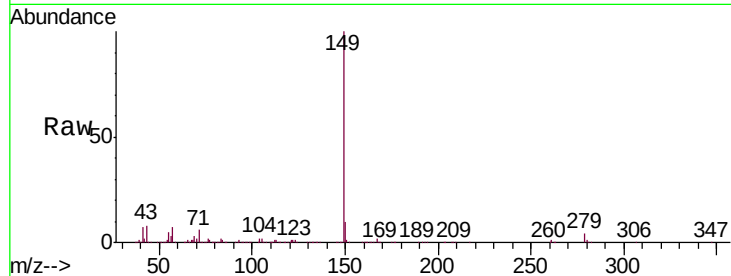
167 1.5 1.4 2.0

43 8.9 7.5 11.3

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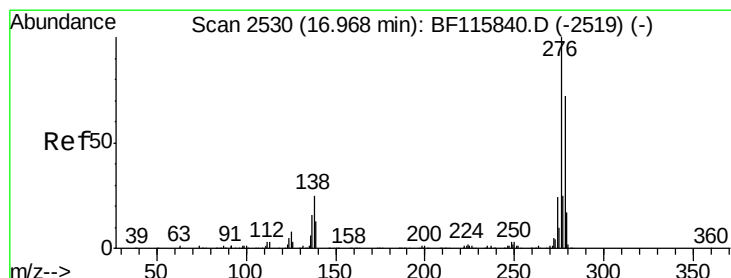
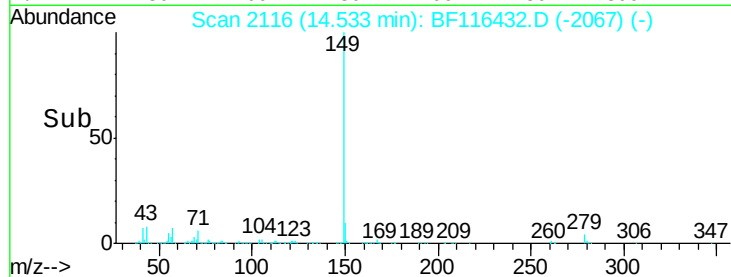
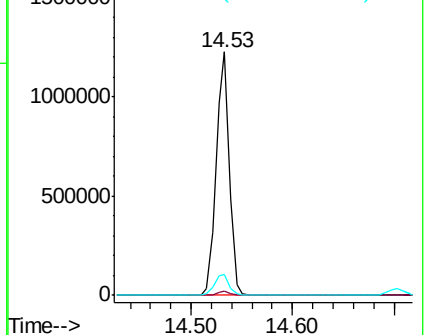
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 49.469 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF116432.D

Acq: 20 Aug 2019 14:02

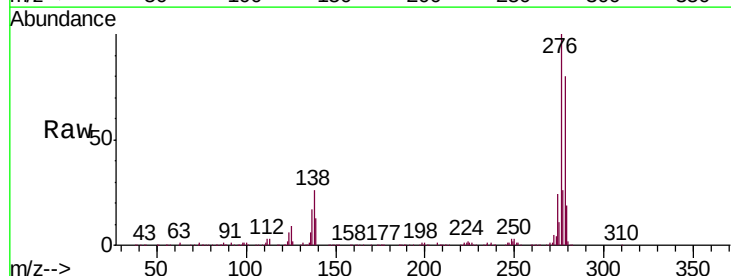
Tgt Ion:276 Resp: 832041

Ion Ratio Lower Upper

276 100

138 25.7 20.4 30.6

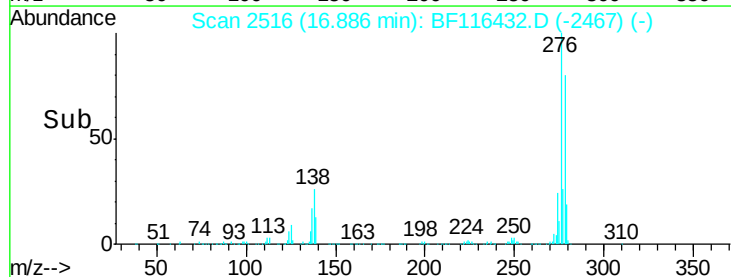
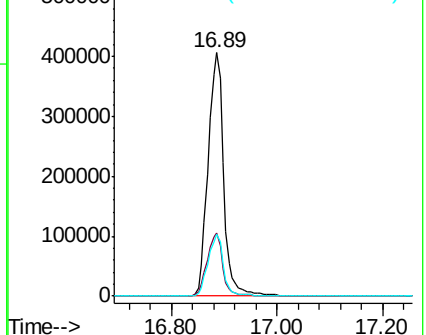
277 25.0 20.0 30.0

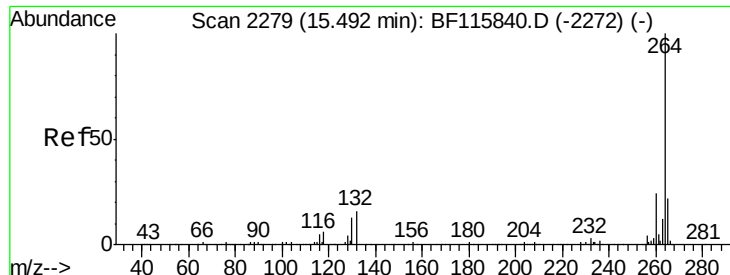


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





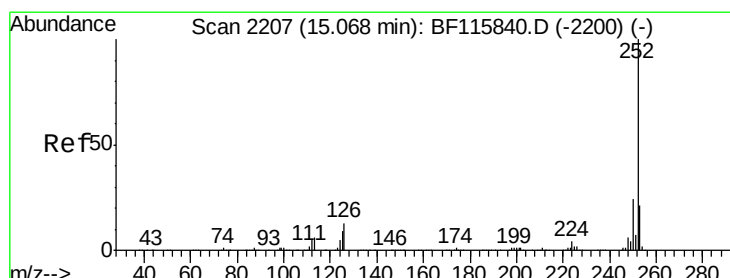
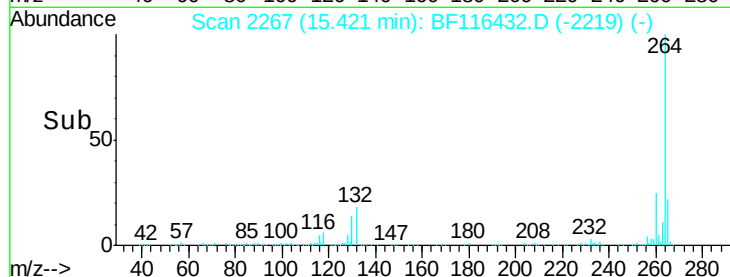
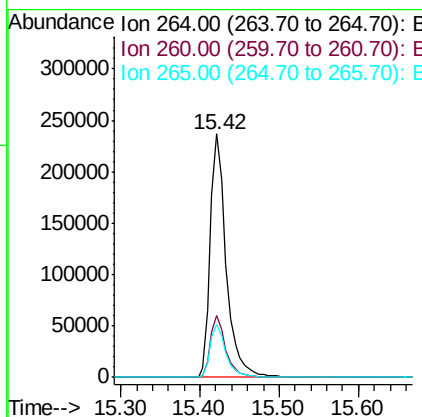
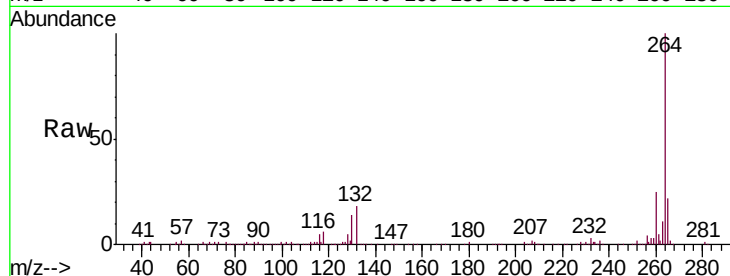
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.7	29.5
265	21.8	17.4	26.0

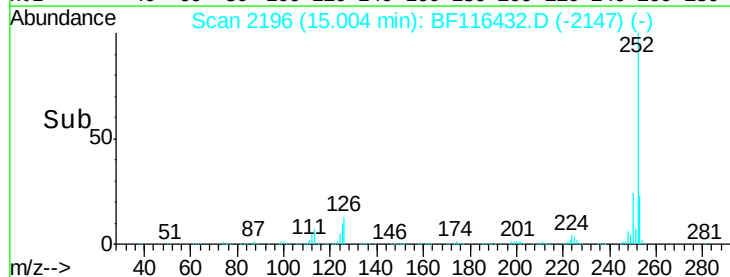
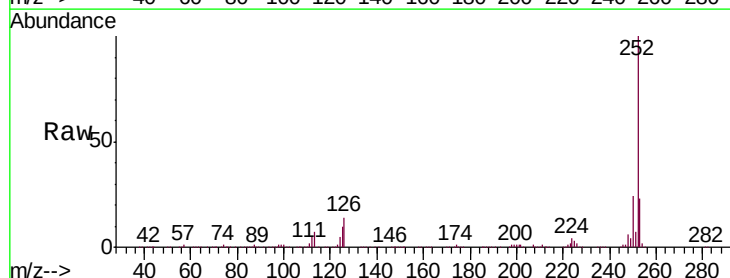
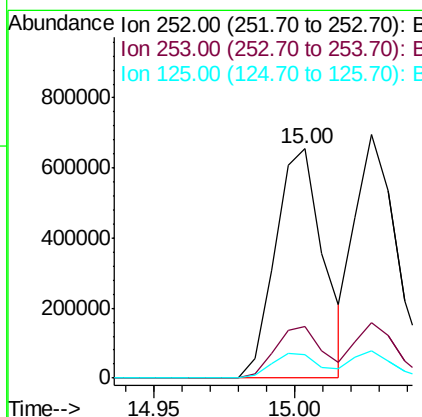
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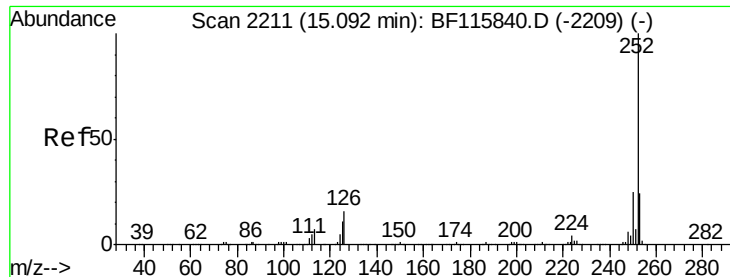
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#88
Benzo(b)fluoranthene
Concen: 40.405 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	10.0	8.4	12.6





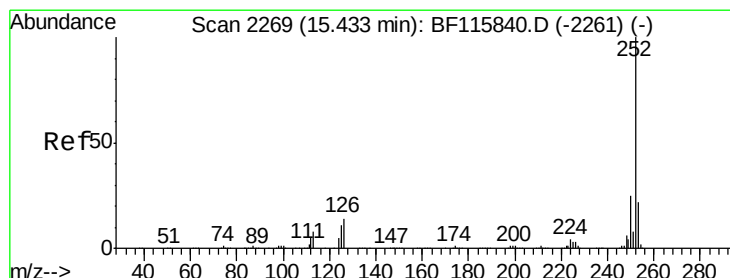
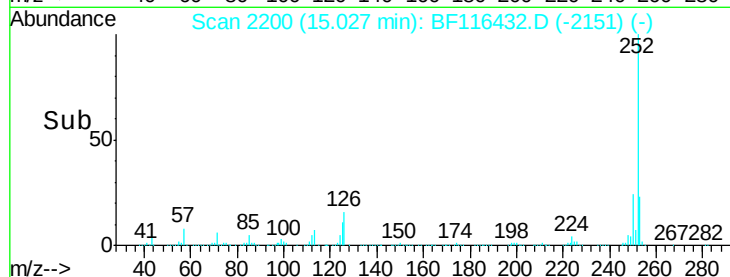
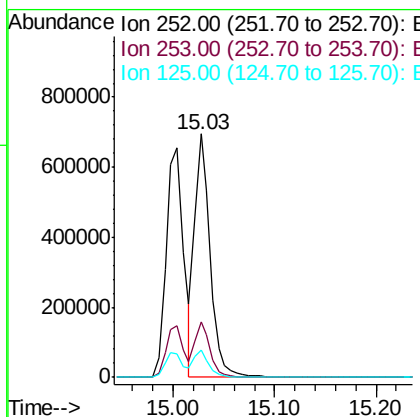
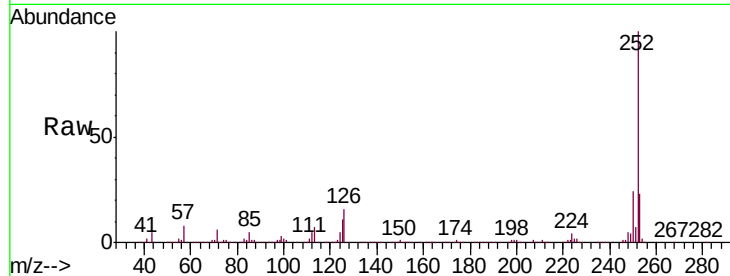
#89
Benzo(k)fluoranthene
Concen: 39.321 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	11.2	7.7	11.5

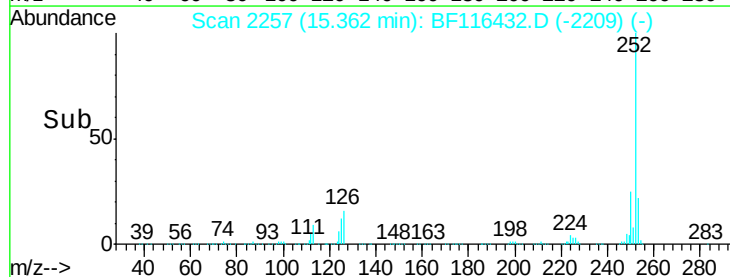
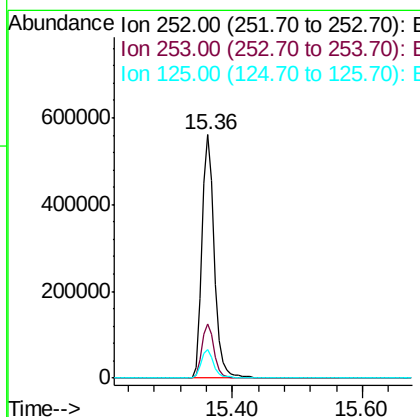
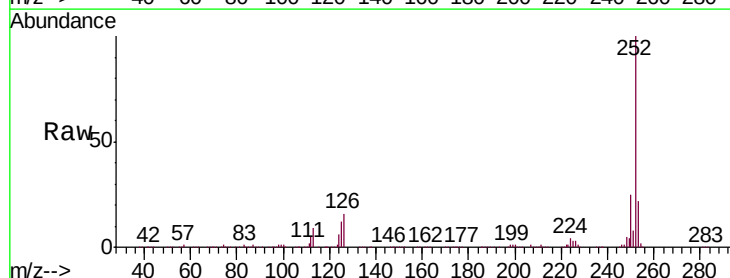
Manual Integrations
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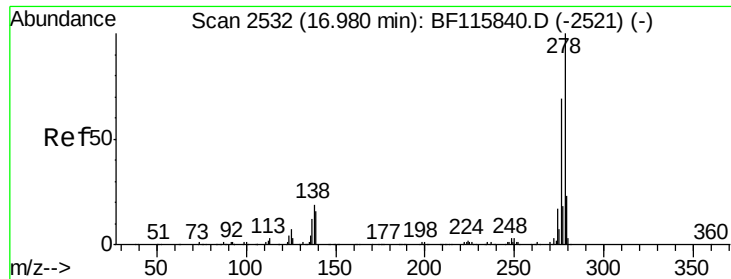
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#90
Benzo(a)pyrene
Concen: 43.048 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	12.0	8.9	13.3





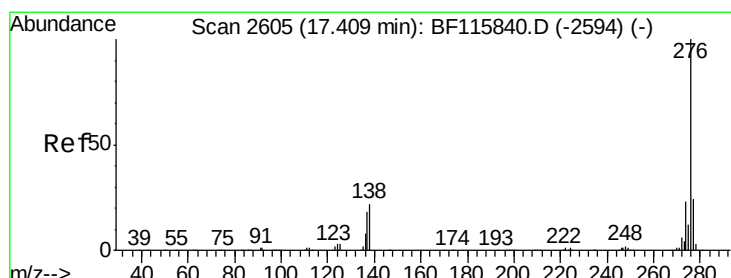
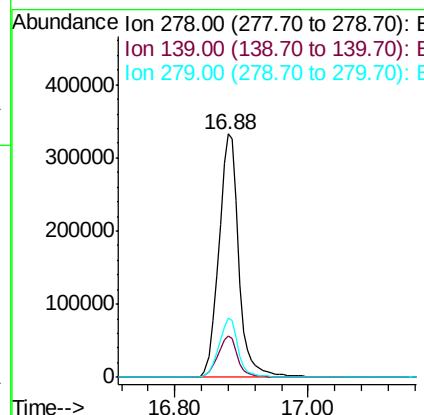
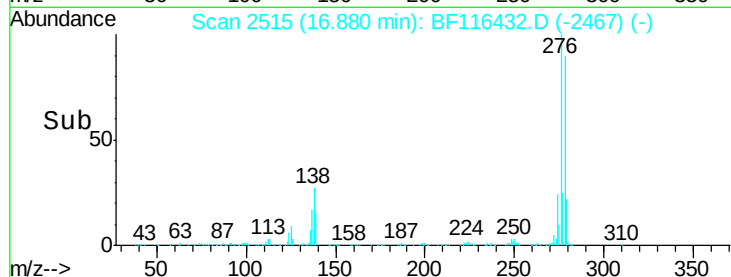
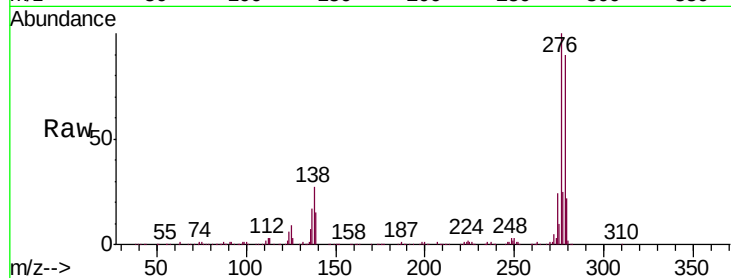
#91
Dibenzo(a,h)anthracene
Concen: 47.138 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	12.8	19.2
279	24.1	18.8	28.2

Manual Integrations
APPROVED

Jagrut
8/21/2019 3:51:11 PM



#92
Benzo(g,h,i)perylene
Concen: 47.454 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.02 min
Lab File: BF116432.D
Acq: 20 Aug 2019 14:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.4	27.6
138	21.3	17.0	25.6

