

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118226.D
 Acq On : 17 Dec 2019 15:02
 Operator : JU
 Sample : K6284-01MS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 42-SPRUCMS

Manual Integrations
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 12/18/2019 2:41:06 PM

Quant Time: Dec 18 05:33:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	137124	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	547997	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	298297	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	575380	20.00	ng	0.00
76) Chrysene-d12	14.06	240	384526	20.00	ng	0.00
87) Perylene-d12	15.54	264	336410	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	732826	93.60	ng	0.00
7) Phenol-d6	6.50	99	936235	98.87	ng	0.00
23) Nitrobenzene-d5	7.43	82	567034	58.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	345256	95.28	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1201826	61.31	ng	-0.01
79) Terphenyl-d14	12.99	244	1472379	65.85	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.67	88	106642	32.304	ng	99
3) Pyridine	3.43	79	267803	31.443	ng	98
4) n-Nitrosodimethylamine	3.38	42	136904	37.365	ng	99
6) Aniline	6.52	93	185004	15.273	ng	96
8) 2-Chlorophenol	6.65	128	360290	40.812	ng	97
9) Benzaldehyde	6.40	77	120950	20.482	ng	94
10) Phenol	6.51	94	441216	40.856	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	305726	39.143	ng	97
12) 1,3-Dichlorobenzene	6.80	146	386462	37.475	ng	99
13) 1,4-Dichlorobenzene	6.87	146	396418	38.174	ng	99
14) 1,2-Dichlorobenzene	7.03	146	370959	38.039	ng	97
15) Benzyl Alcohol	7.00	79	300142	40.604	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	352875	37.575	ng	96
17) 2-Methylphenol	7.12	107	287218	40.906	ng	99
18) Hexachloroethane	7.37	117	143369	37.468	ng	93
19) n-Nitroso-di-n-propylamine	7.27	70	229472	39.879	ng	99
20) 3+4-Methylphenols	7.27	107	368569	41.791	ng	96
22) Acetophenone	7.27	105	489841	37.207	ng	98
24) Nitrobenzene	7.45	77	356083	37.207	ng	98
25) Isophorone	7.69	82	635422	38.481	ng	100
26) 2-Nitrophenol	7.76	139	201624	39.417	ng	97
27) 2,4-Dimethylphenol	7.80	122	298307	43.720	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	400432	37.111	ng	99
29) 2,4-Dichlorophenol	8.00	162	312076	39.234	ng	98
30) 1,2,4-Trichlorobenzene	8.09	180	335323	36.073	ng	98
31) Naphthalene	8.17	128	1051519	38.207	ng	99
32) Benzoic acid	7.93	122	148148	24.048	ng	99
33) 4-Chloroaniline	8.22	127	89345	7.518	ng	97
34) Hexachlorobutadiene	8.28	225	199076	35.714	ng	99
35) Caprolactam	8.59	113	95516m	38.939	ng	
36) 4-Chloro-3-methylphenol	8.71	107	330873	39.528	ng	99
37) 2-Methylnaphthalene	8.86	142	730603	39.212	ng	99
38) 1-Methylnaphthalene	8.96	142	673617	38.504	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	332392	36.783	ng	99

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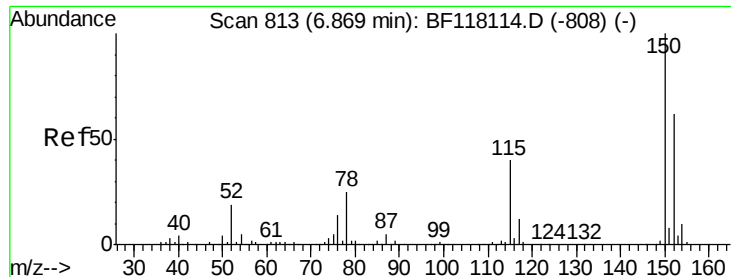
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	335609	82.891	nq	97
43) 2,4,6-Trichlorophenol	9.15	196	227429	37.694	nq	99
44) 2,4,5-Trichlorophenol	9.19	196	245297	39.242	nq	94
46) 1,1'-Biphenyl	9.33	154	890881	37.867	nq	99
47) 2-Chloronaphthalene	9.36	162	689360	36.426	nq	98
48) 2-Nitroaniline	9.45	65	189438	35.102	nq	97
49) Acenaphthylene	9.77	152	1099848	39.403	nq	99
50) Dimethylphthalate	9.63	163	880814	39.976	nq	99
51) 2,6-Dinitrotoluene	9.70	165	188445	39.333	nq	91
52) Acenaphthene	9.95	154	633008	37.155	nq	99
53) 3-Nitroaniline	9.86	138	88937	15.774	nq	96
54) 2,4-Dinitrophenol	9.98	184	161104	67.588	nq	96
55) Dibenzofuran	10.12	168	968855	38.810	nq	99
56) 4-Nitrophenol	10.04	139	283842	72.539	nq	99
57) 2,4-Dinitrotoluene	10.10	165	248362	38.838	nq	95
58) Fluorene	10.46	166	773298	38.979	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.24	232	206009	39.947	nq	98
60) Diethylphthalate	10.33	149	862404	39.726	nq	99
61) 4-Chlorophenyl-phenylether	10.45	204	385979	38.668	nq	98
62) 4-Nitroaniline	10.49	138	204197	34.724	nq	99
63) Azobenzene	10.62	77	737235	39.782	nq	95
65) 4,6-Dinitro-2-methylphenol	10.52	198	125369	39.454	nq	96
66) n-Nitrosodiphenylamine	10.57	169	702743	39.111	nq	99
67) 4-Bromophenyl-phenylether	10.95	248	244774	37.267	nq	95
68) Hexachlorobenzene	11.02	284	279840	36.198	nq	# 91
69) Atrazine	11.10	200	214286	44.568	nq	98
70) Pentachlorophenol	11.21	266	270412	74.380	nq	99
71) Phenanthrene	11.43	178	1226545	40.101	nq	99
72) Anthracene	11.48	178	1203893	39.456	nq	99
73) Carbazole	11.64	167	1035022	37.807	nq	99
74) Di-n-butylphthalate	11.96	149	1396665	40.765	nq	99
75) Fluoranthene	12.63	202	1309545	41.876	nq	99
77) Benzidine	12.74	184	231059	22.826	nq	99
78) Pyrene	12.86	202	1345100	44.389	nq	99
80) Butylbenzylphthalate	13.47	149	575061	41.904	nq	98
81) Benzo(a)anthracene	14.05	228	1068258	40.177	nq	100
82) 3,3'-Dichlorobenzidine	14.00	252	105764	12.112	nq	96
83) Chrysene	14.09	228	1007737	39.677	nq	99
84) Bis(2-ethylhexyl)phthalate	14.03	149	842602	46.563	nq	98
85) Di-n-octyl phthalate	14.64	149	1297977	47.351	nq	100
86) Indeno(1,2,3-cd)pyrene	17.06	276	878011	41.086	nq	100
88) Benzo(b)fluoranthene	15.11	252	938133	42.165	nq	99
89) Benzo(k)fluoranthene	15.14	252	795508m	37.219	nq	
90) Benzo(a)pyrene	15.49	252	806354	41.035	nq	99
91) Dibenzo(a,h)anthracene	17.07	278	719234	42.674	nq	99
92) Benzo(g,h,i)perylene	17.52	276	714051	44.089	nq	99

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



#1

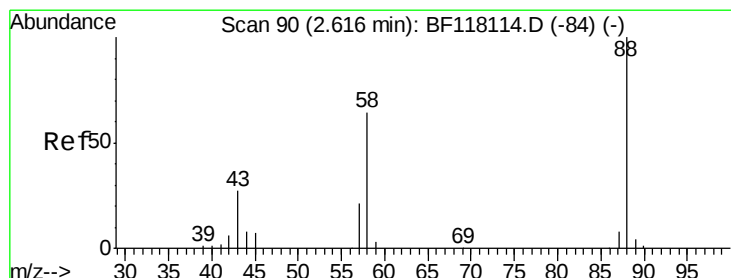
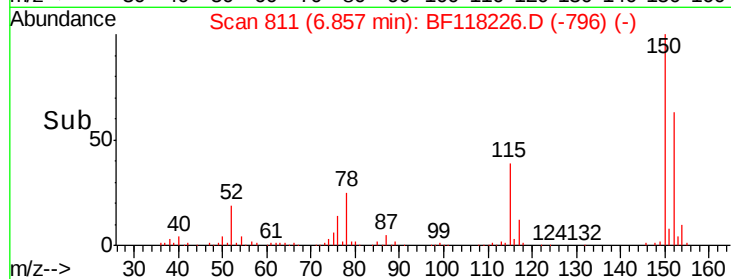
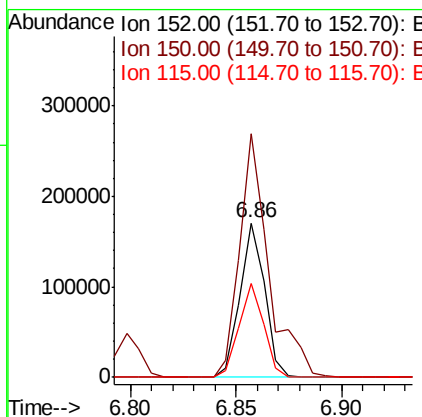
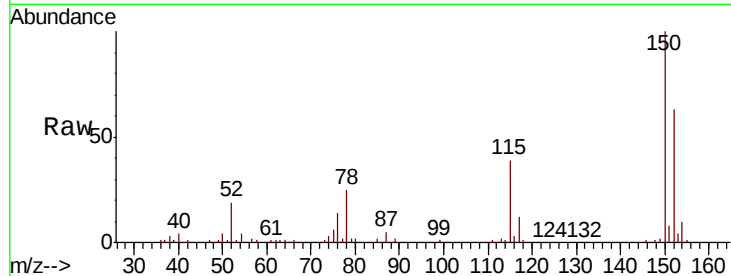
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	128.3	192.5
115	60.8	51.1	76.7

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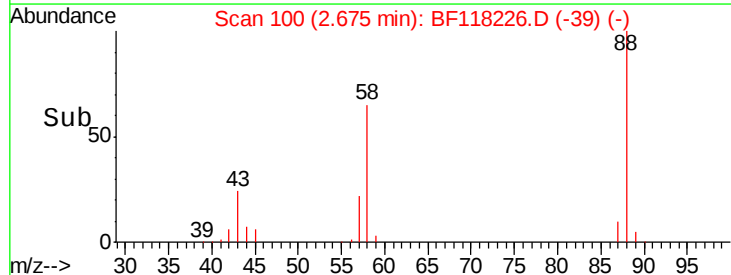
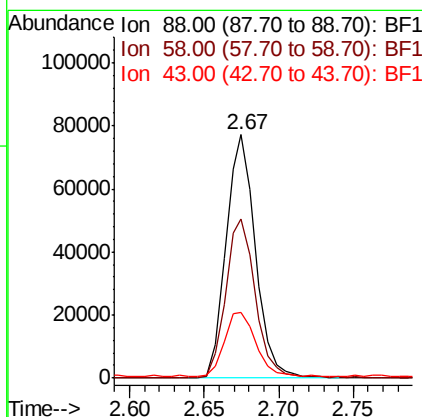
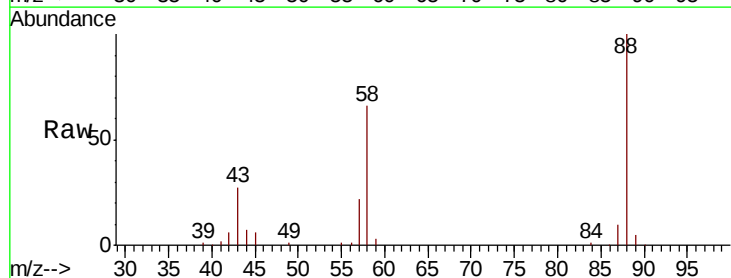
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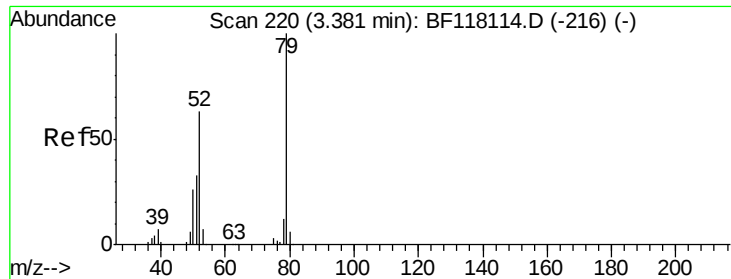


#2

1,4-Dioxane
Concen: 32.304 ng
RT: 2.67 min Scan# 100
Delta R.T. 0.06 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.2	52.2	78.4
43	27.8	21.4	32.2





#3

Pvridine

Concen: 31.443 ng

RT: 3.43 min Scan# 228

Delta R.T. 0.05 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

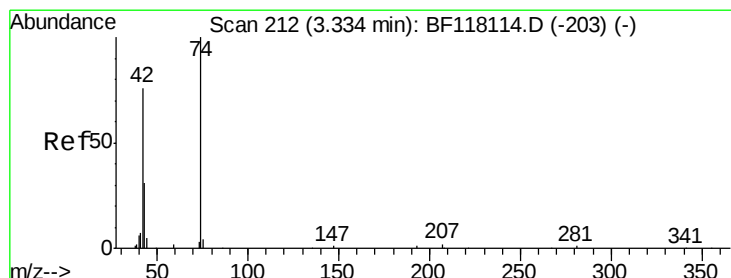
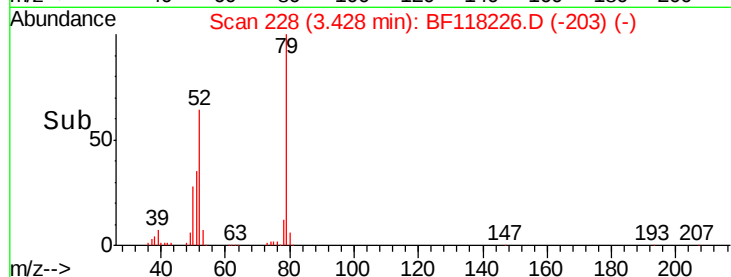
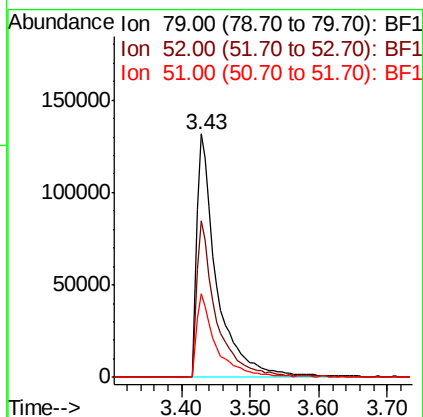
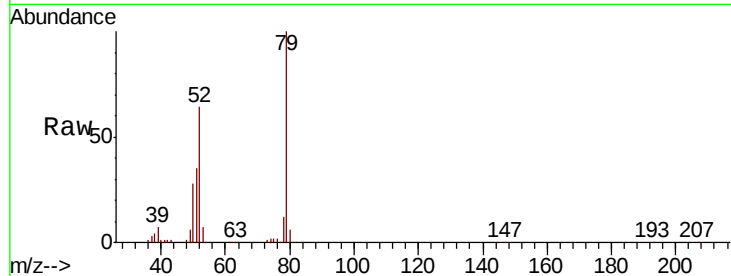
ClientSampleId :

42-SPRUCEMS

Tot Ion:	79	Resp:	267803
Ion Ratio	Lower	Upper	
79	100		
52	64.1	50.7	76.1
51	34.6	26.4	39.6

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#4

n-Nitrosodimethylamine

Concen: 37.365 ng

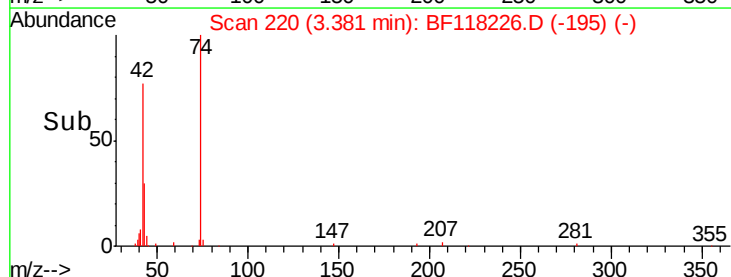
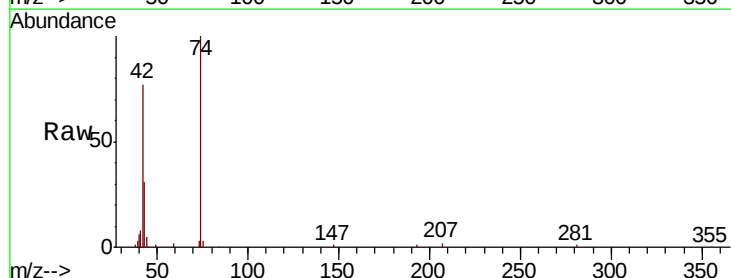
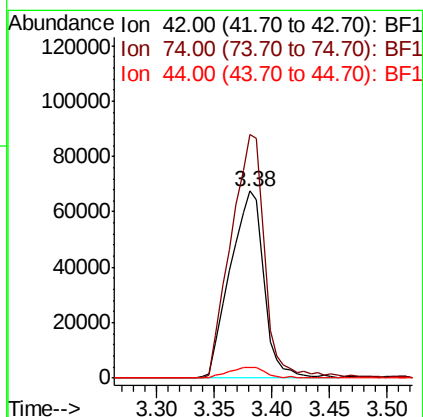
RT: 3.38 min Scan# 220

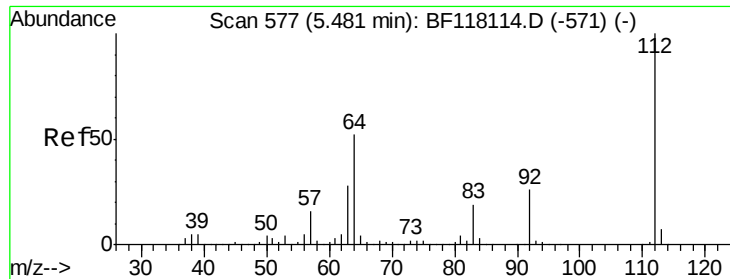
Delta R.T. 0.05 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Tgt Ion:	42	Resp:	136904
Ion Ratio	Lower	Upper	
42	100		
74	130.2	104.6	157.0
44	5.9	5.1	7.7





#5

2-Fluorophenol

Concen: 93.603 ng

RT: 5.48 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

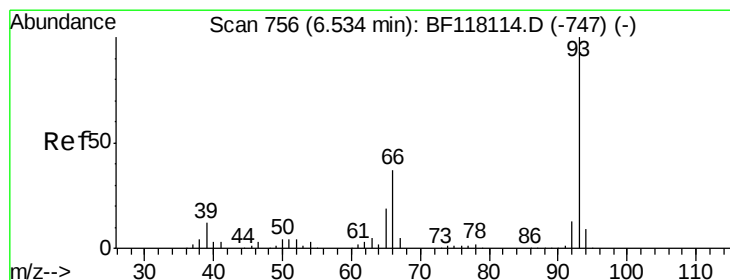
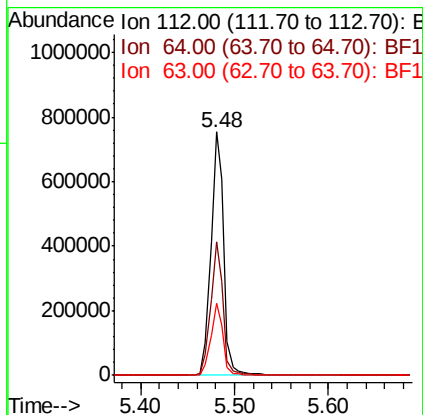
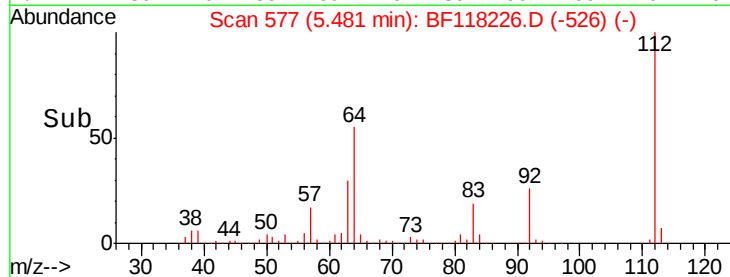
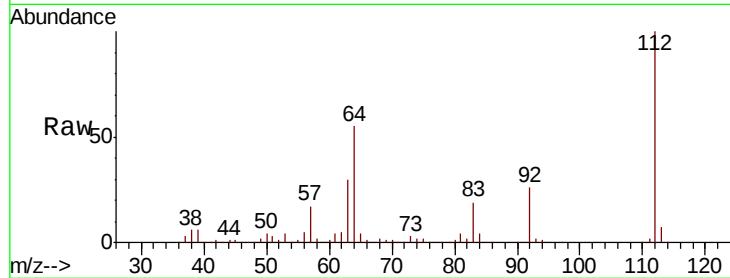
ClientSampleId :

42-SPRUCEMS

Tot Ion:	112	Resp:	732826
Ion Ratio	Lower	Upper	
112	100		
64	54.6	41.3	61.9
63	29.7	22.4	33.6

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#6

Aniline

Concen: 15.273 ng

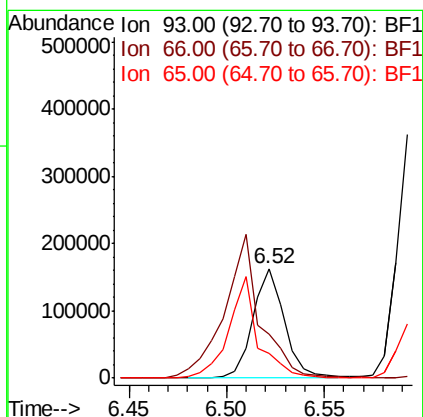
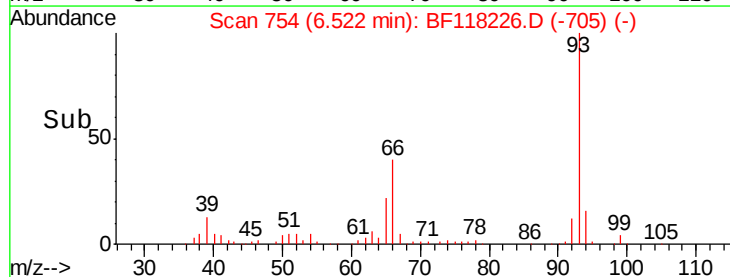
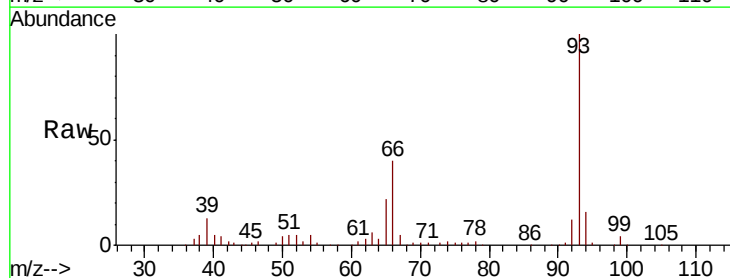
RT: 6.52 min Scan# 754

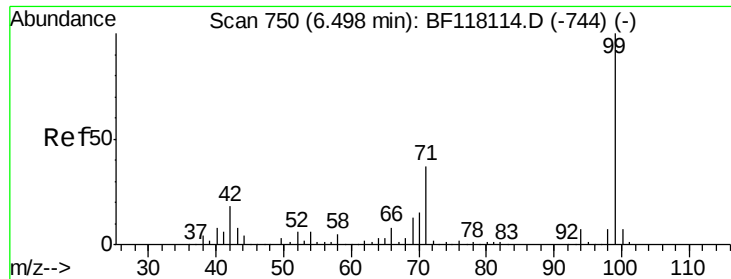
Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Tgt Ion:	93	Resp:	185004
Ion Ratio	Lower	Upper	
93	100		
66	39.7	30.2	45.2
65	22.0	15.5	23.3





#7

Phenol-d6

Concen: 98.868 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

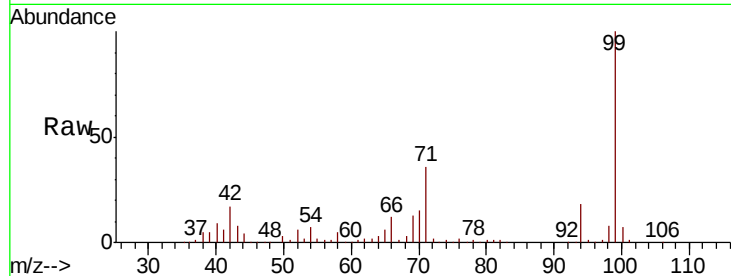
ClientSampleId :

42-SPRUCEMS

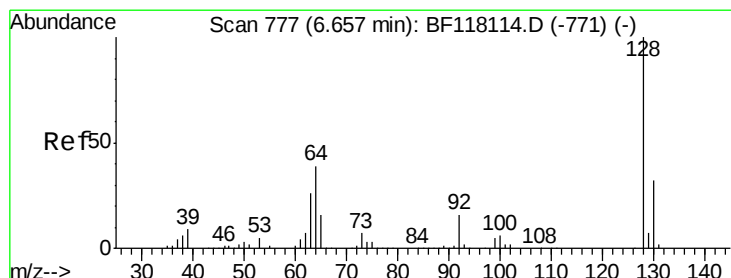
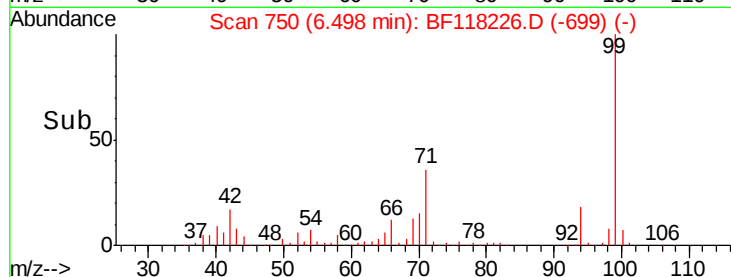
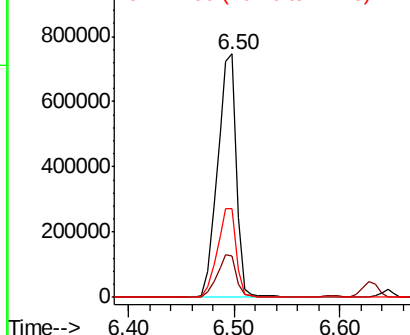
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		936235		
42	17.0	14.1	21.1		
71	36.4	29.7	44.5		

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



#8

2-Chlorophenol

Concen: 40.812 ng

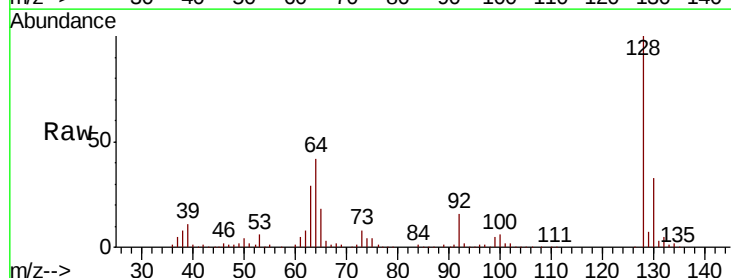
RT: 6.65 min Scan# 775

Delta R.T. -0.01 min

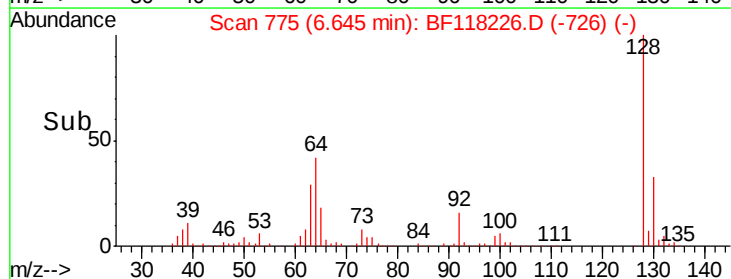
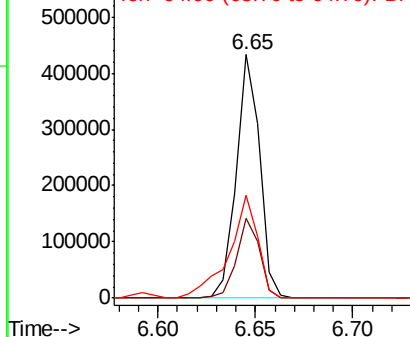
Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		360290		
130	32.7	12.1	52.1		
64	42.5	19.3	59.3		



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





#9

Benzaldehyde

Concen: 20.482 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

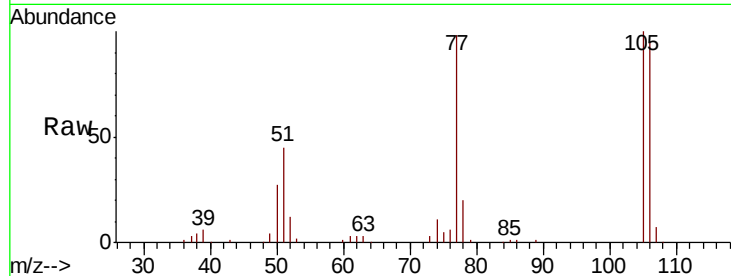
ClientSampleId :

42-SPRUCMS

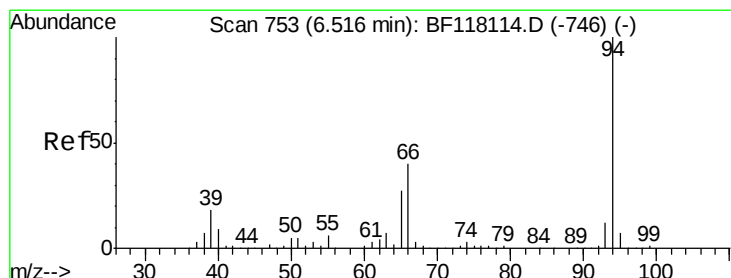
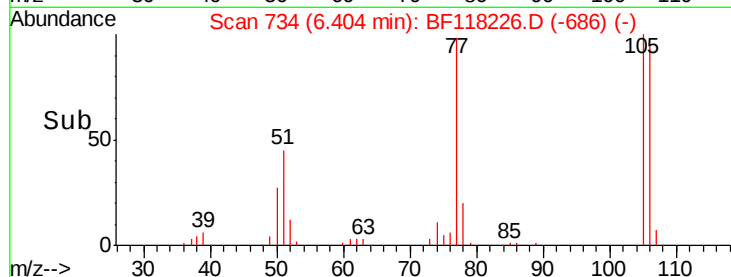
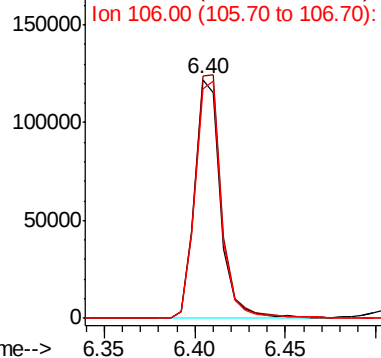
Tot Ion:	77	Resp:	120950
Ion	Ratio	Lower	Upper
77	100		
105	101.7	86.4	126.4
106	96.4	83.8	123.8

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Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 40.856 ng

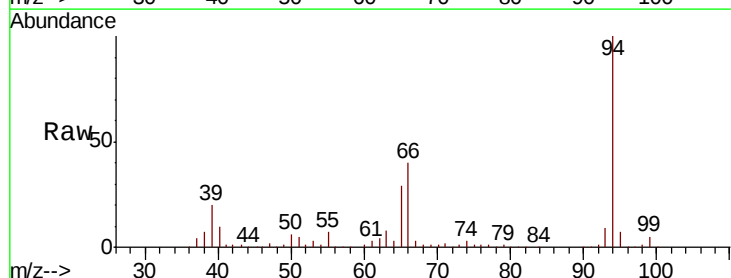
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

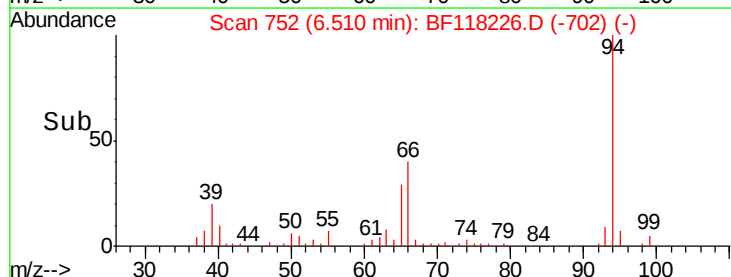
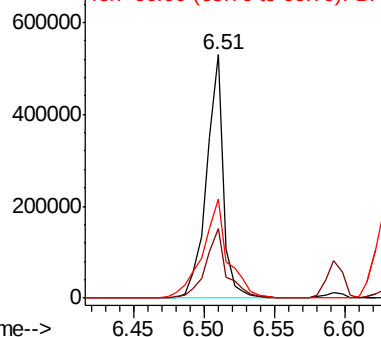
Lab File: BF118226.D

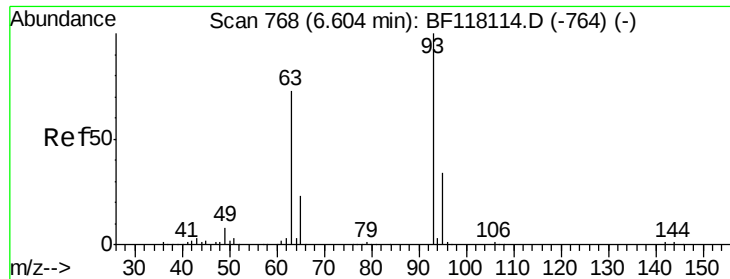
Acq: 17 Dec 2019 15:02

Tgt Ion:	94	Resp:	441216
Ion	Ratio	Lower	Upper
94	100		
65	28.5	7.3	47.3
66	40.5	20.2	60.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





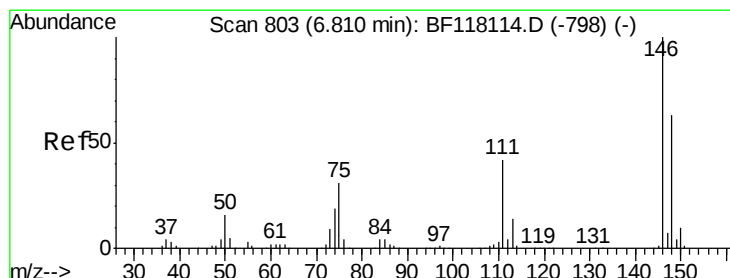
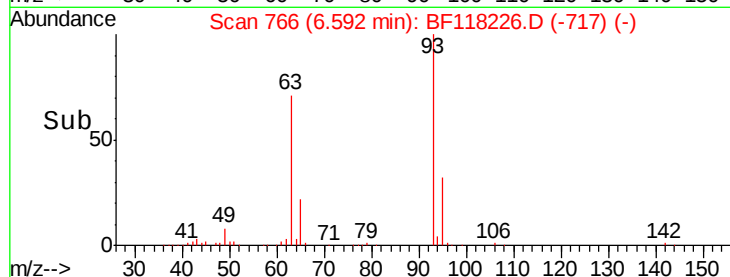
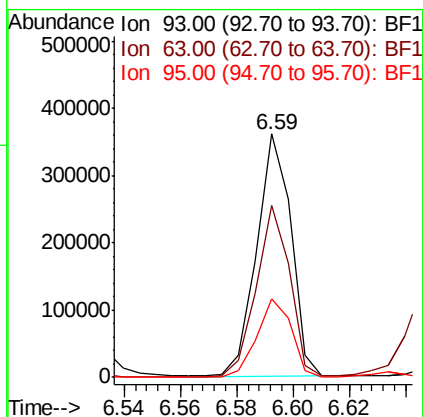
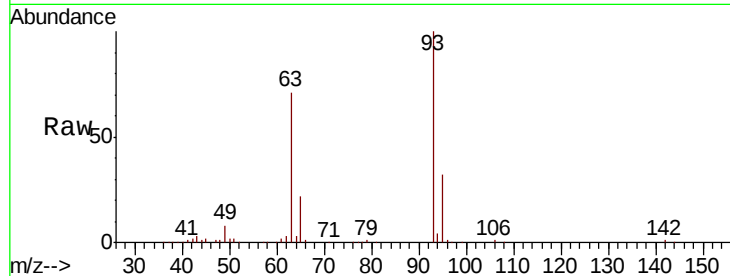
#11
bis(2-Chloroethyl)ether
Concen: 39.143 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion:	93	Resp:	305726
Ion Ratio	Lower	Upper	
93	100		
63	70.6	53.2	93.2
95	32.3	13.8	53.8

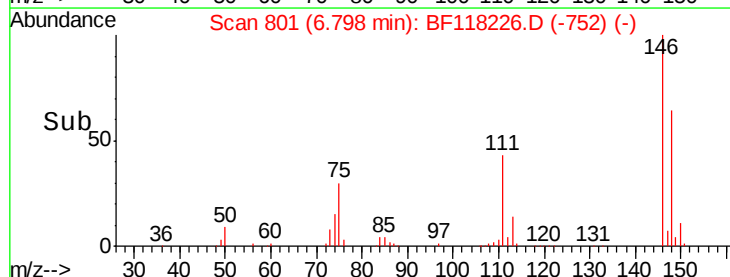
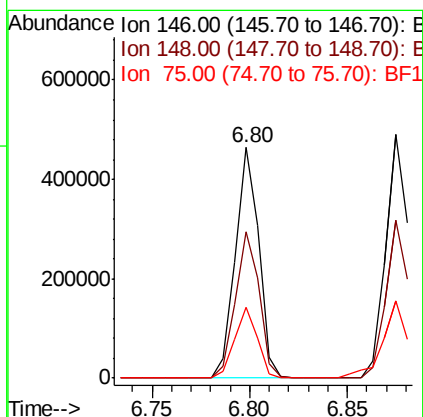
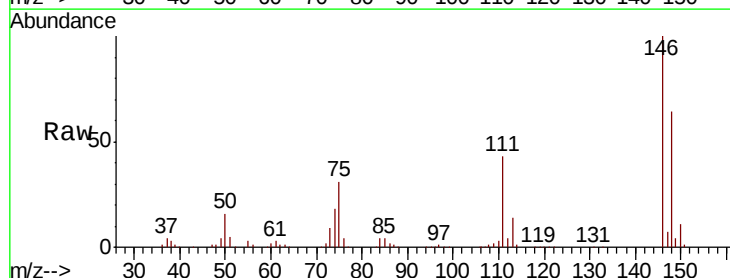
Manual Integrations
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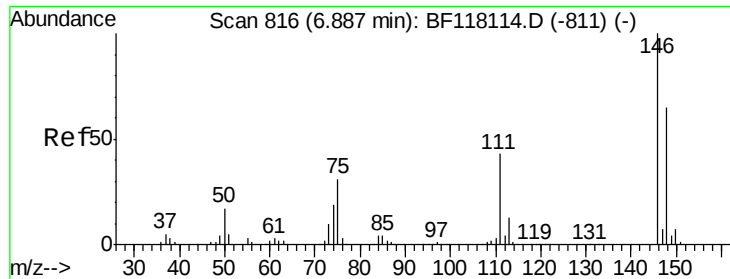
mohammad
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#12
1,3-Dichlorobenzene
Concen: 37.475 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion:	146	Resp:	386462
Ion Ratio	Lower	Upper	
146	100		
148	63.7	50.2	75.4
75	30.8	24.6	37.0





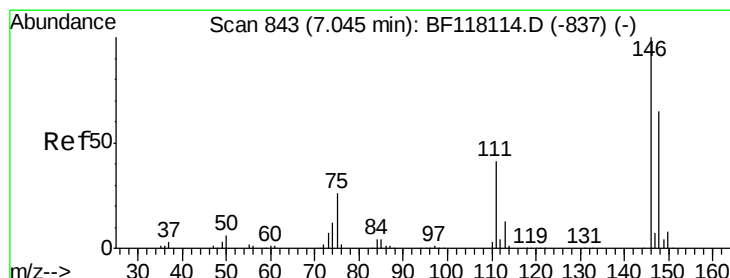
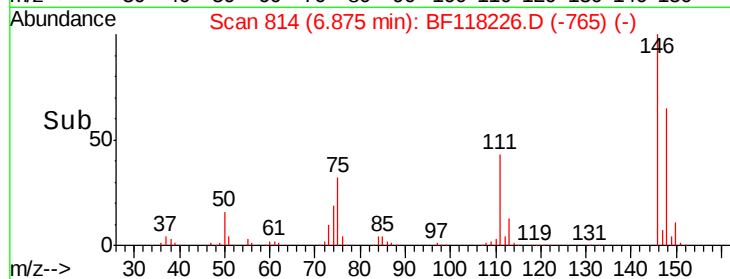
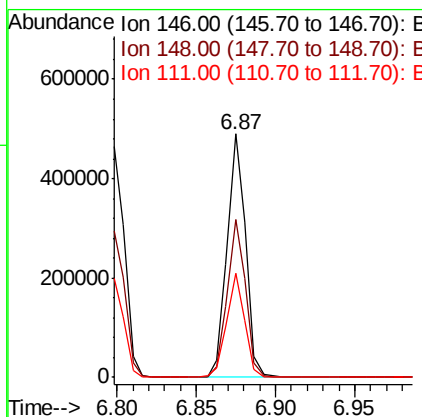
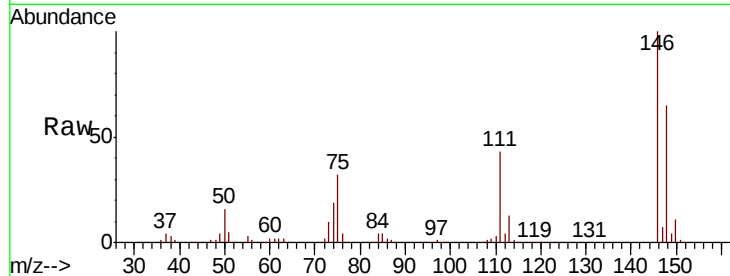
#13
 1,4-Dichlorobenzene
 Concen: 38.174 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF118226.D
 Acq: 17 Dec 2019 15:02

Instrument :
 BNA_F
 ClientSampleId :
 42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.1	78.1
111	42.7	34.6	52.0

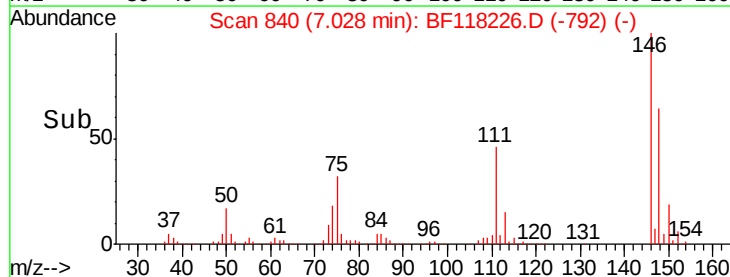
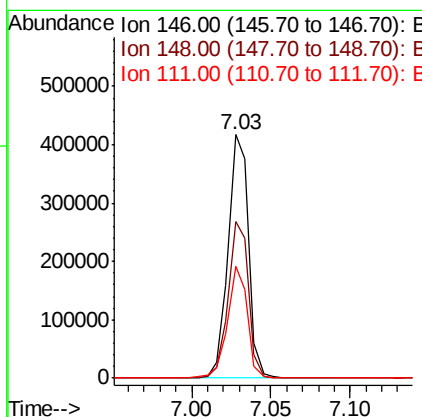
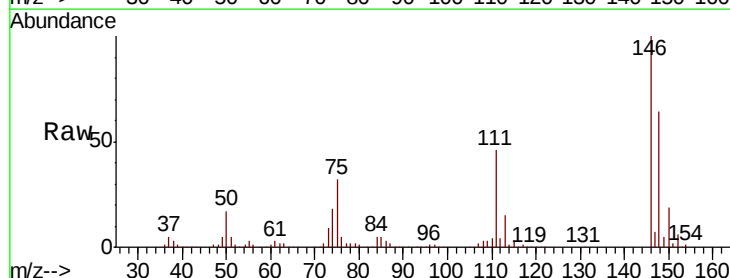
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#14
 1,2-Dichlorobenzene
 Concen: 38.039 ng
 RT: 7.03 min Scan# 840
 Delta R.T. -0.02 min
 Lab File: BF118226.D
 Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.2	78.2
111	45.8	33.1	49.7





#15

Benzyl Alcohol

Concen: 40.604 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

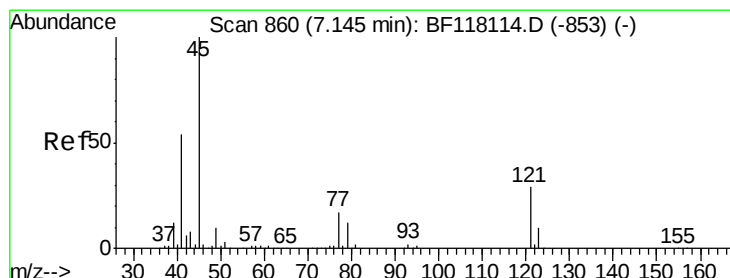
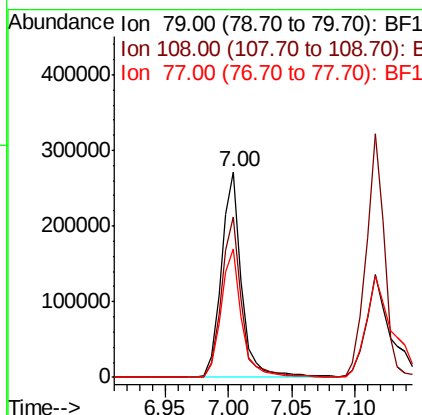
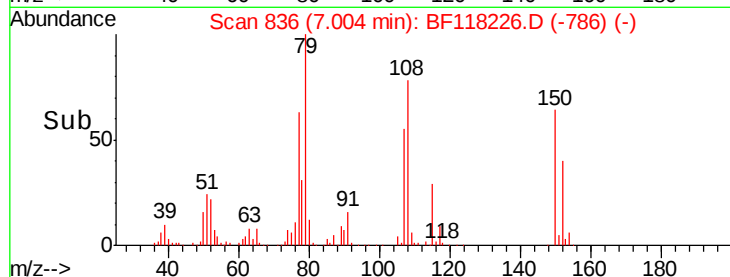
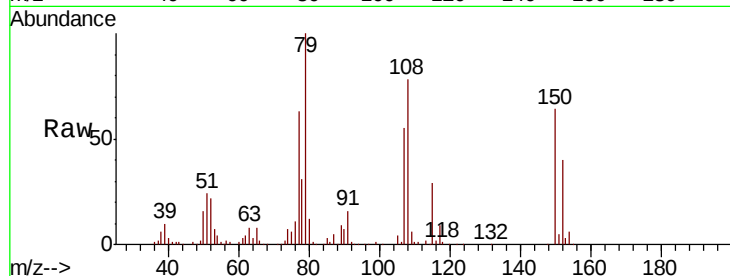
ClientSampleId :

42-SPRUCEMS

Tot Ion:	79	Resp:	300142
Ion	Ratio	Lower	Upper
79	100		
108	78.3	62.7	94.1
77	62.8	51.4	77.2

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 37.575 ng

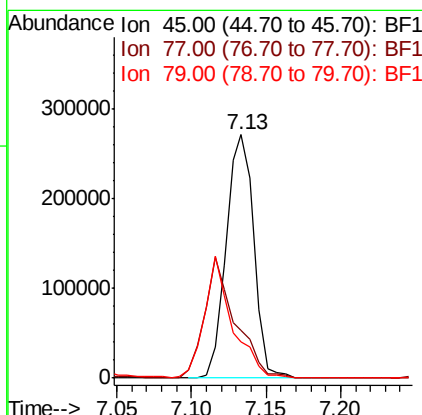
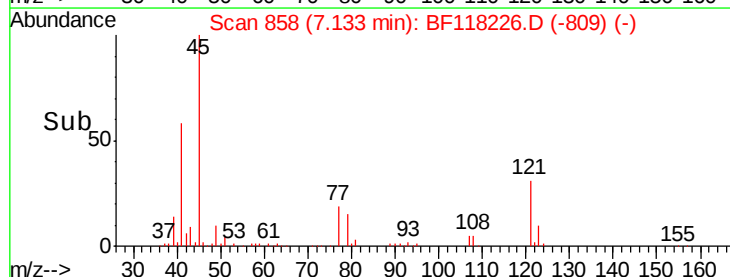
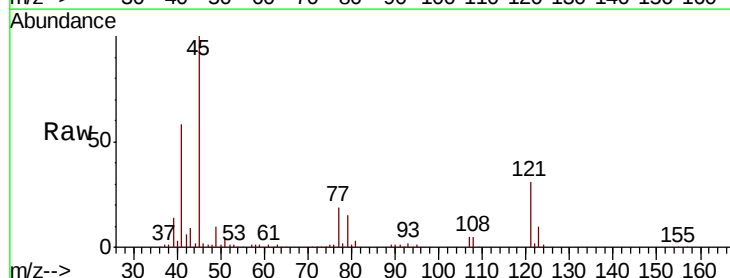
RT: 7.13 min Scan# 858

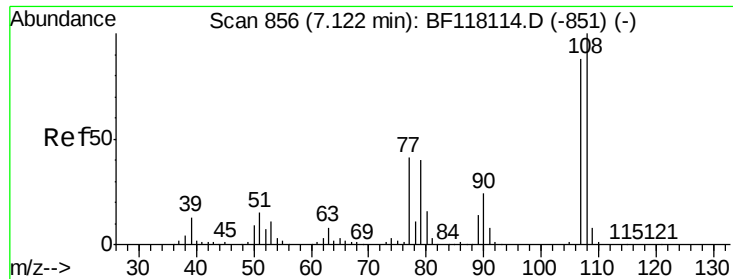
Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Tgt Ion:	45	Resp:	352875
Ion	Ratio	Lower	Upper
45	100		
77	19.4	0.0	38.0
79	14.9	0.0	33.2





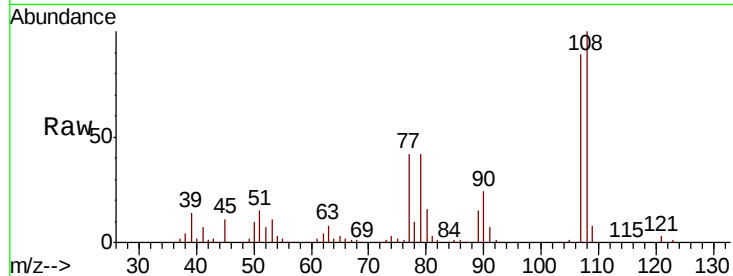
#17
2-Methylphenol
Concen: 40.906 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
107	100		
108	112.7	91.1	136.7
77	47.0	37.8	56.6
79	47.8	37.0	55.6

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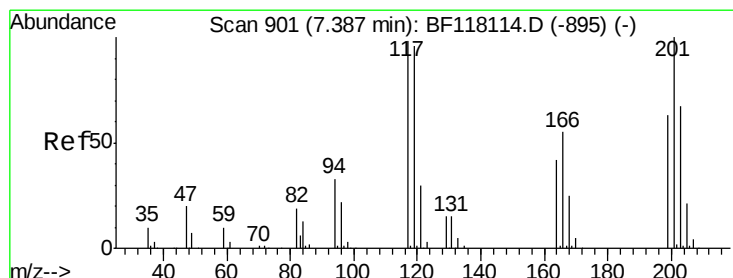
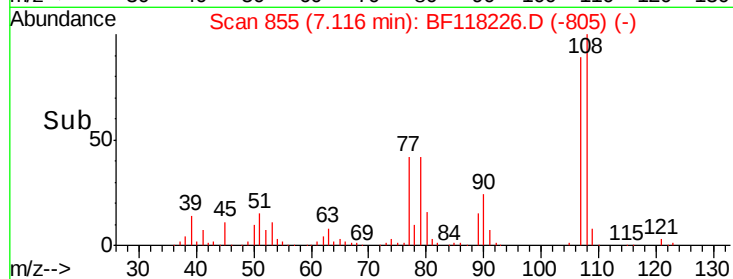
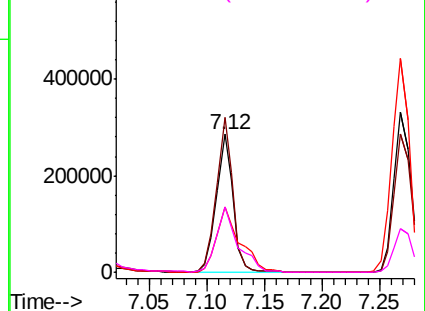
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

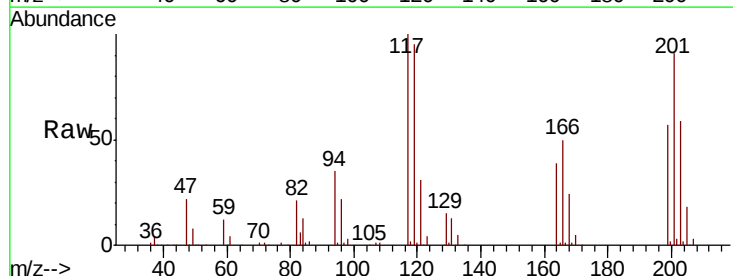
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 37.468 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.2	117.4
201	91.1	81.6	122.4

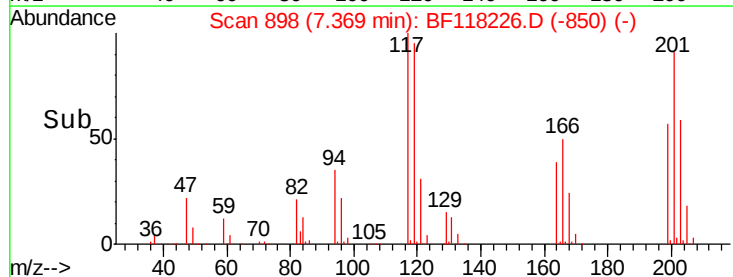
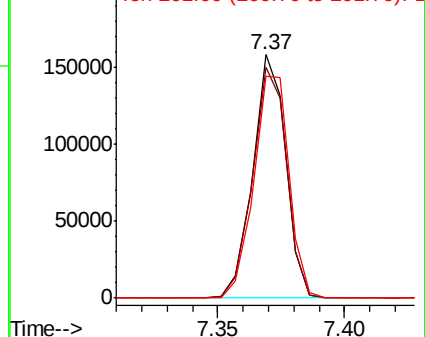


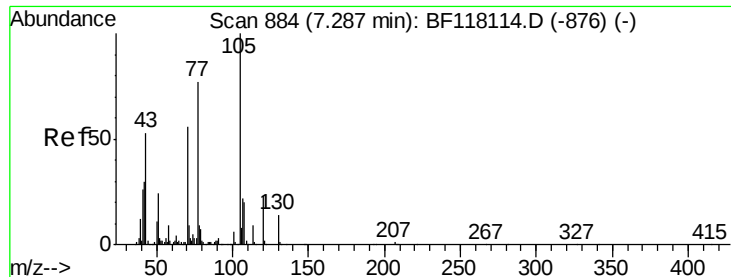
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





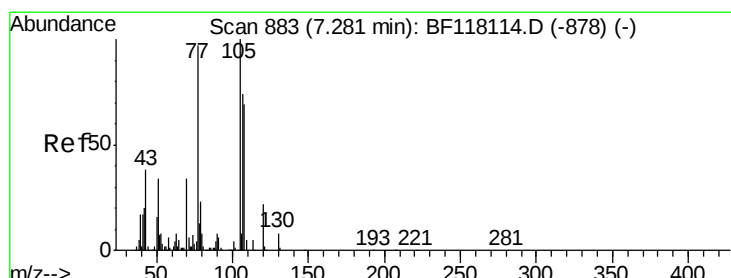
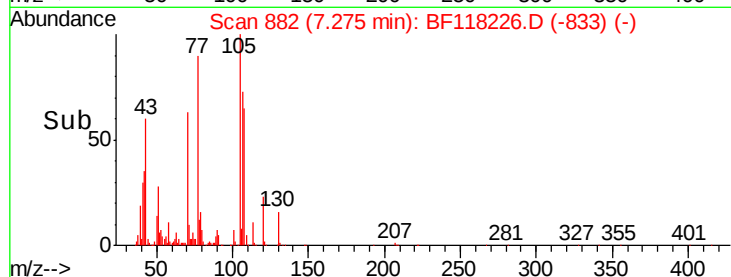
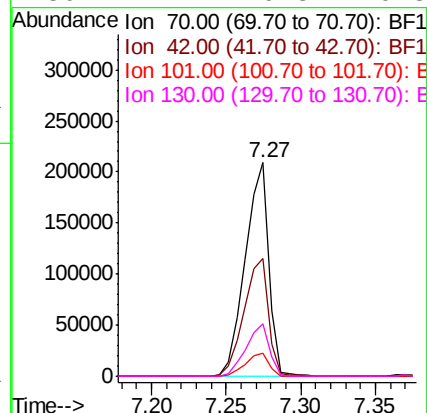
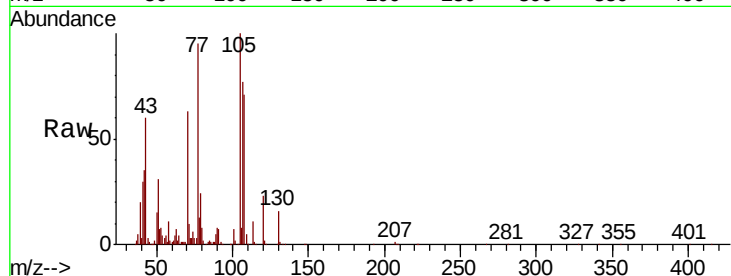
#19
n-Nitroso-di-n-propylamine
Concen: 39.879 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.0	43.2	64.8	
101	10.8	8.1	12.1	
130	24.7	19.8	29.8	

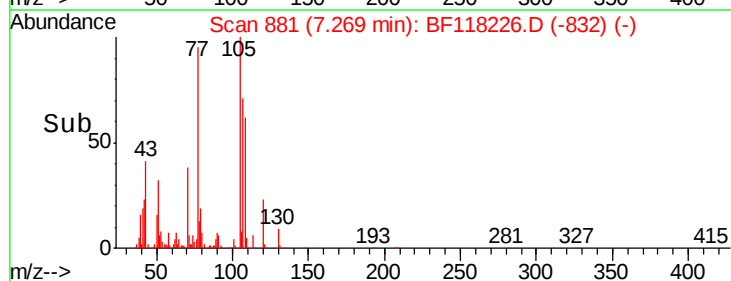
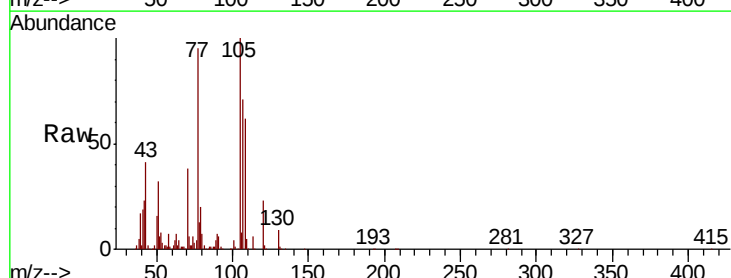
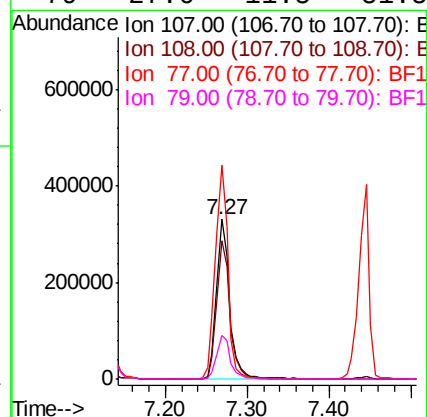
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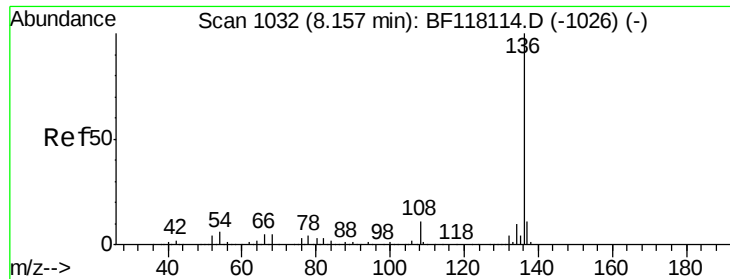
mohammad
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#20
3+4-Methylphenols
Concen: 41.791 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	86.8	73.2	113.2	
77	133.5	110.9	150.9	
79	27.6	11.5	51.5	





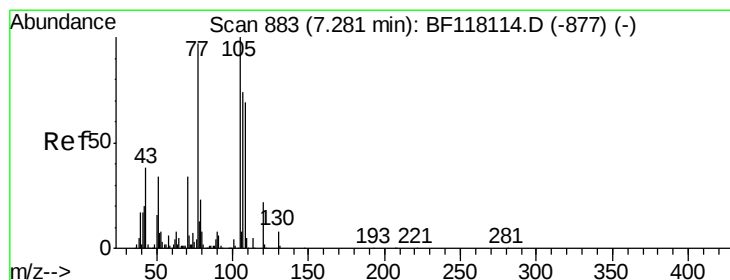
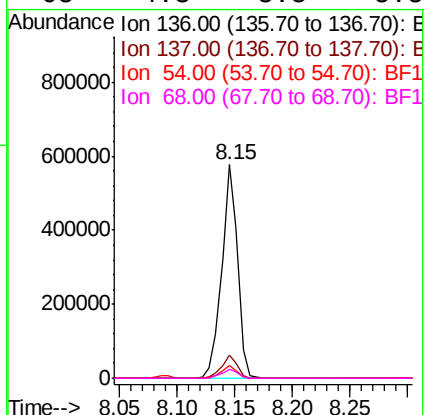
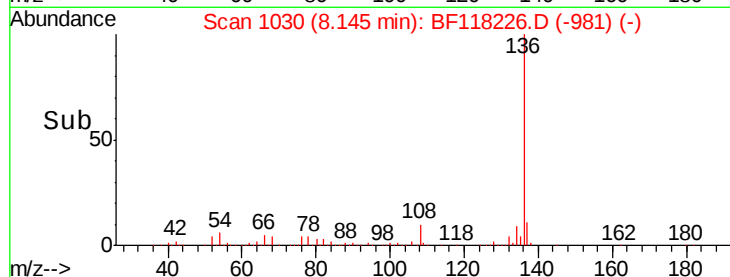
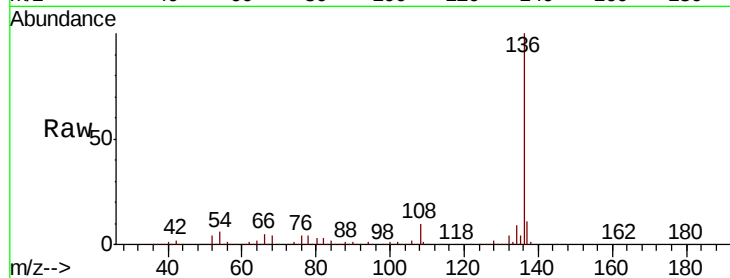
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		547997		
137	10.7		9.0	13.6	
54	6.1		5.0	7.6	
68	4.3		3.8	5.8	

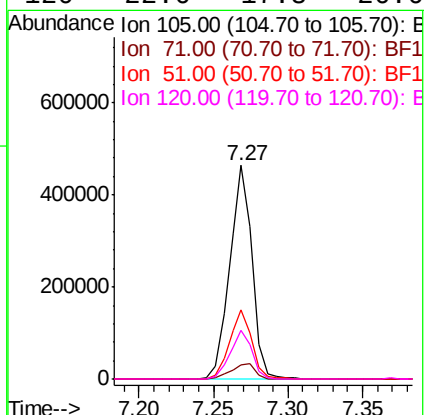
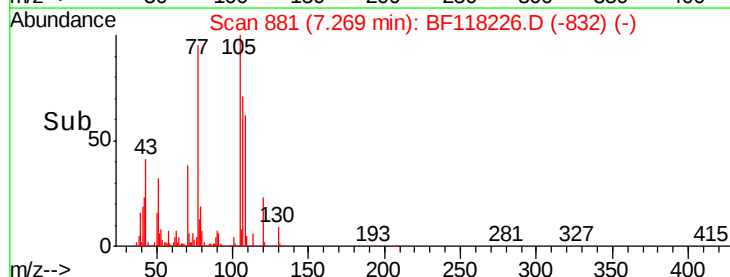
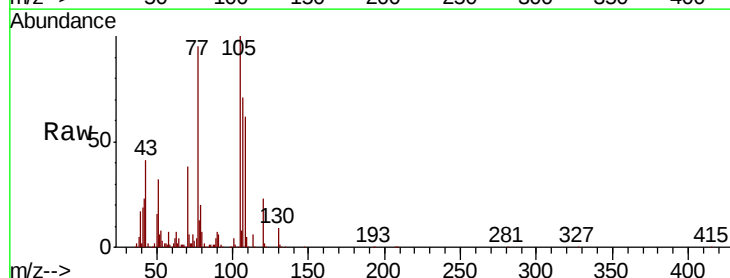
Manual Integrations
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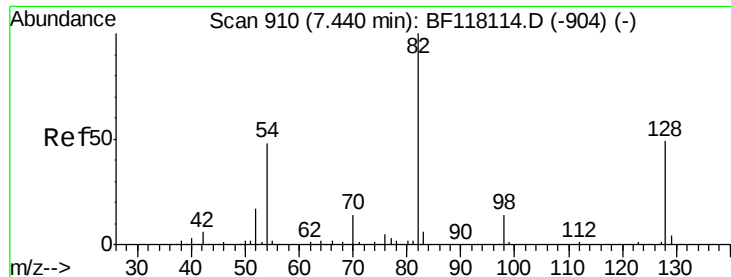
mohammad
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#22
Acetophenone
Concen: 37.207 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		489841		
71	6.3		4.7	7.1	
51	32.4		27.1	40.7	
120	22.6		17.8	26.6	





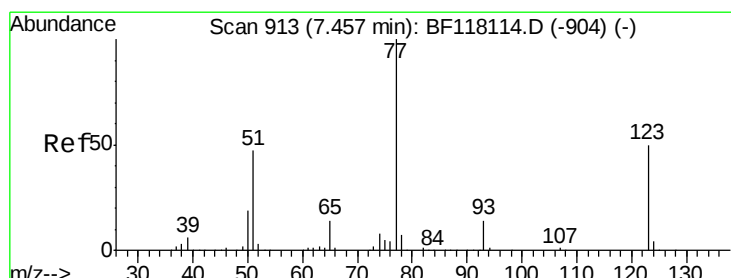
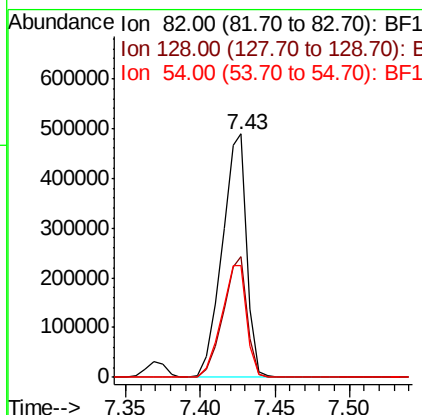
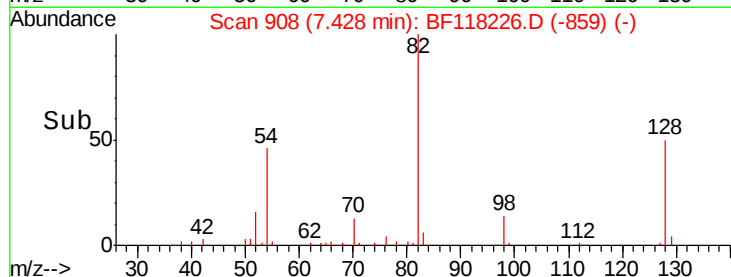
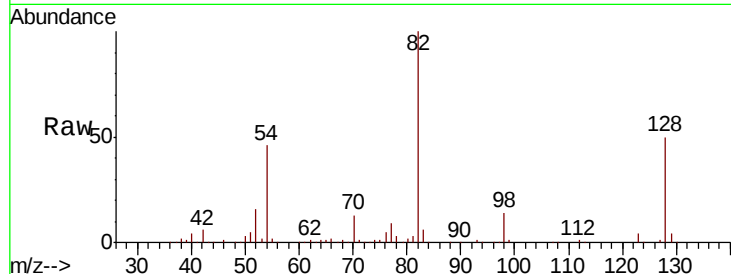
#23
Nitrobenzene-d5
Concen: 58.212 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.8	39.1	58.7
54	46.1	38.2	57.2

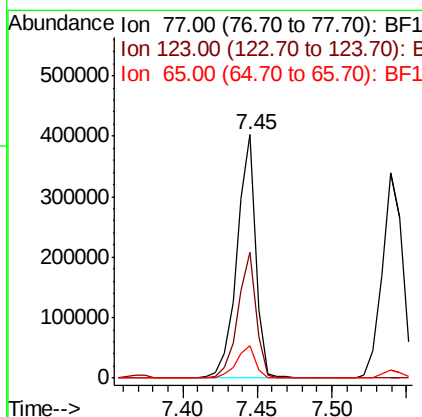
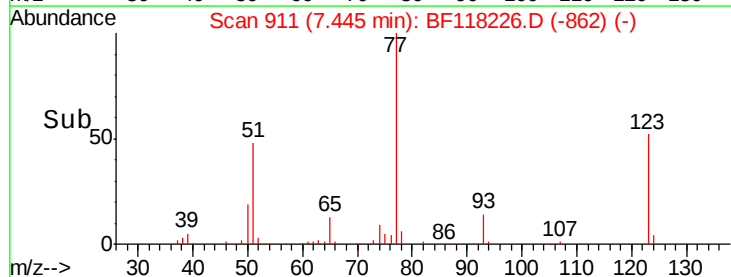
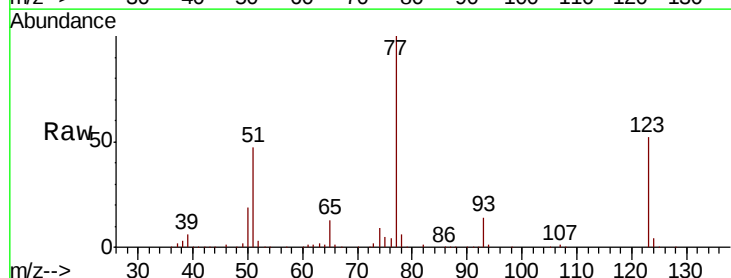
Manual Integrations
APPROVED

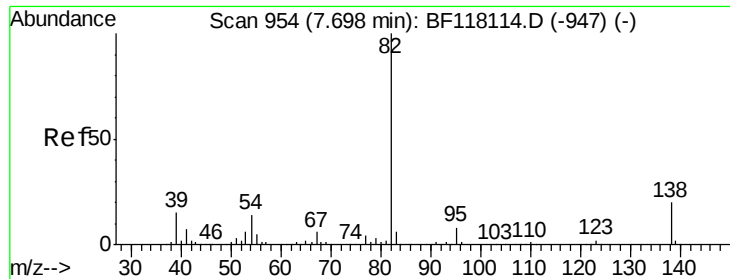
mohammad
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#24
Nitrobenzene
Concen: 37.207 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.5	40.1	60.1
65	13.1	10.9	16.3





#25

Isophorone

Concen: 38.481 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

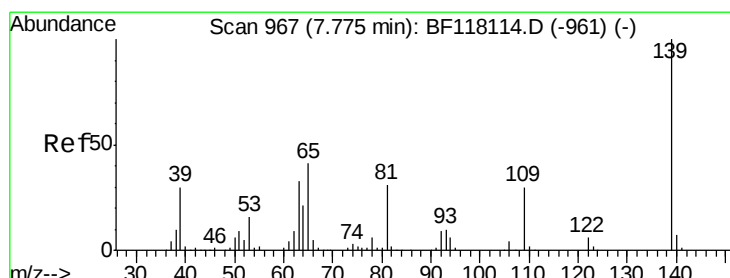
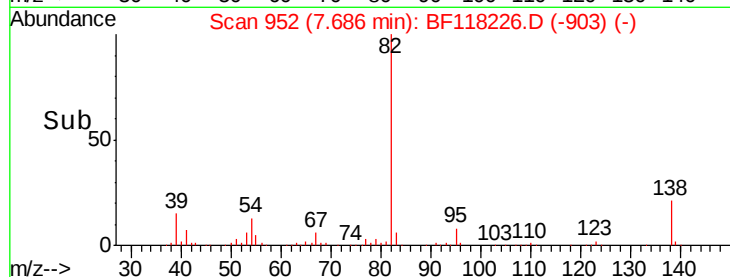
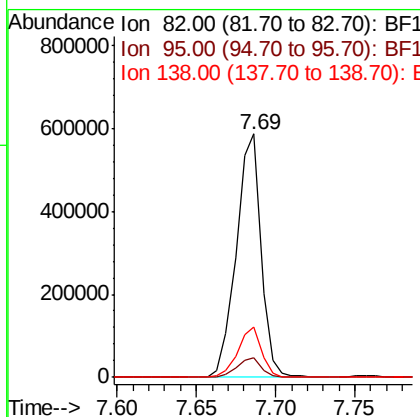
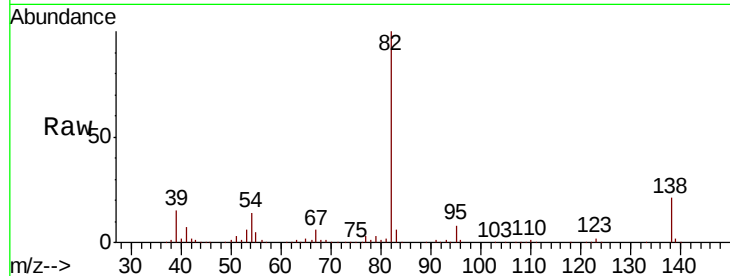
ClientSampleId :

42-SPRUCEMS

Tot Ion:	82	Resp:	635422
Ion Ratio	Lower	Upper	
82	100		
95	8.2	6.3	9.5
138	20.5	16.3	24.5

Manual Integrations
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#26

2-Nitrophenol

Concen: 39.417 ng

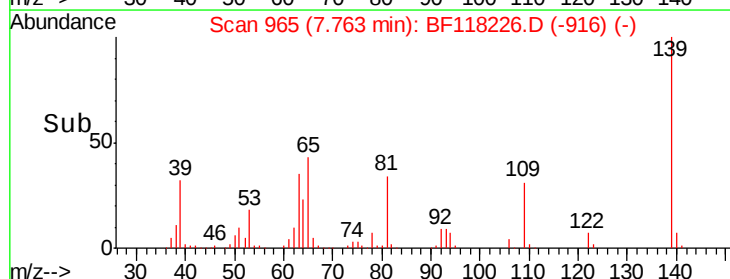
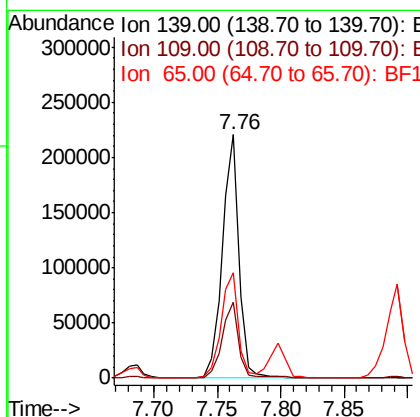
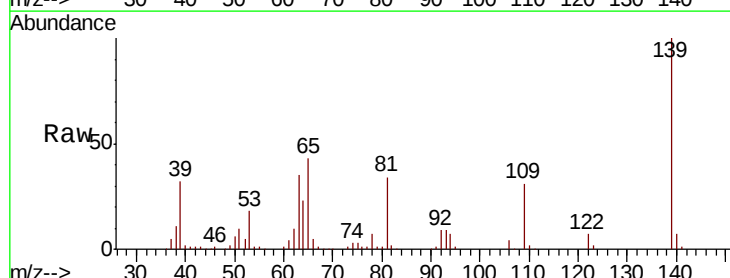
RT: 7.76 min Scan# 965

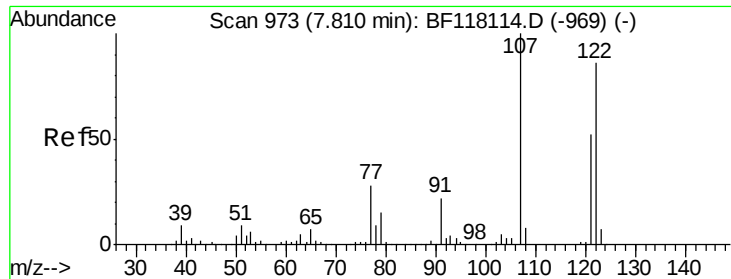
Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Tgt Ion:	139	Resp:	201624
Ion Ratio	Lower	Upper	
139	100		
109	31.3	23.9	35.9
65	43.3	33.0	49.6





#27

2,4-Dimethylphenol

Concen: 43.720 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

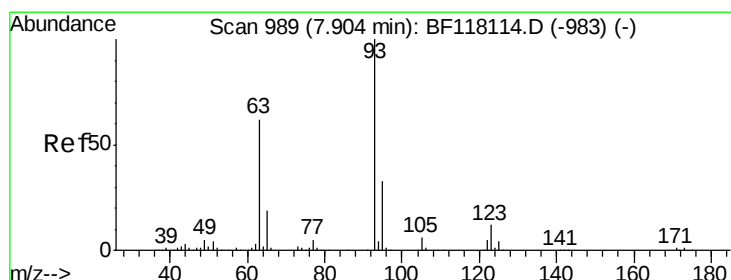
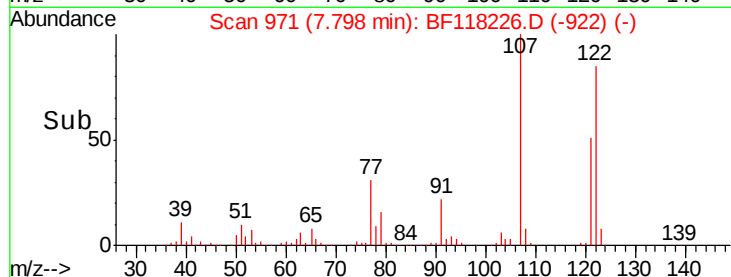
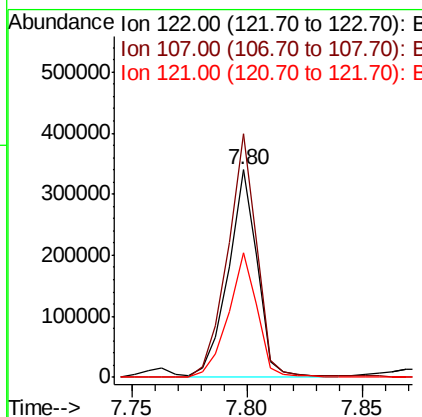
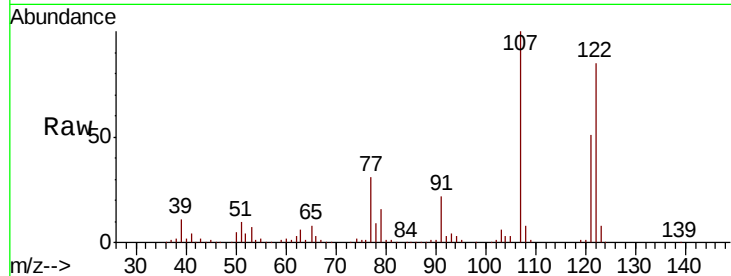
ClientSampleId :

42-SPRUCEMS

Tot Ion:	122	Resp:	298307
Ion Ratio	Lower	Upper	
122	100		
107	117.3	92.9	139.3
121	59.9	48.3	72.5

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#28

bis(2-Chloroethoxy)methane

Concen: 37.111 ng

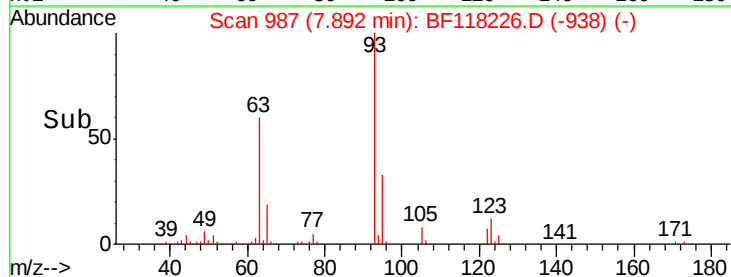
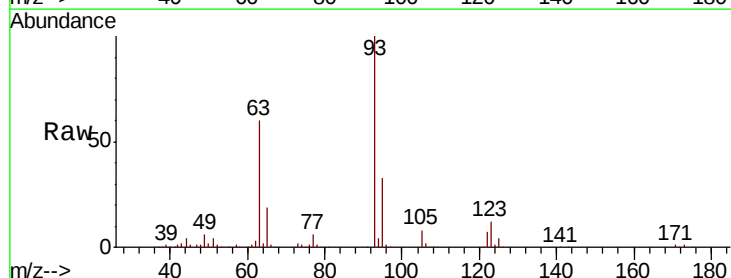
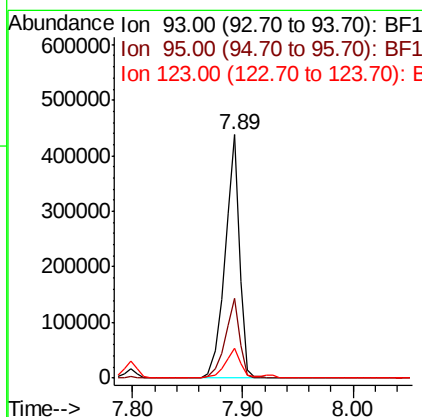
RT: 7.89 min Scan# 987

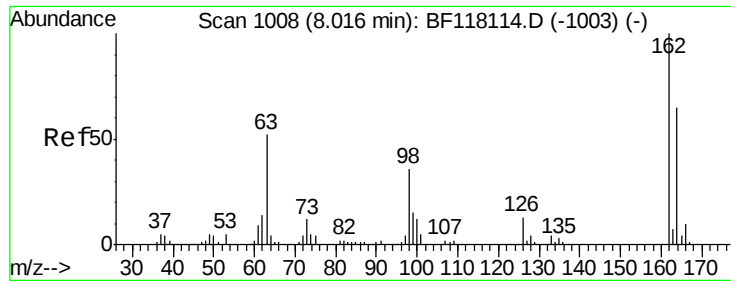
Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Tgt Ion:	93	Resp:	400432
Ion Ratio	Lower	Upper	
93	100		
95	32.7	26.7	40.1
123	12.3	10.0	15.0





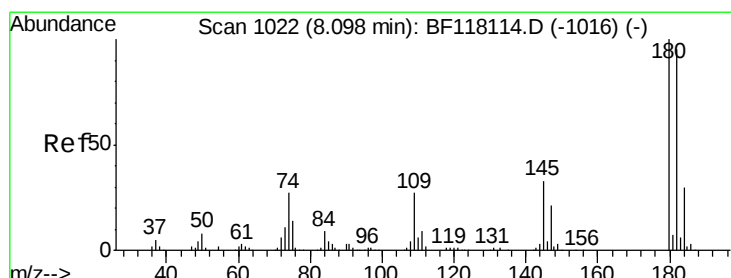
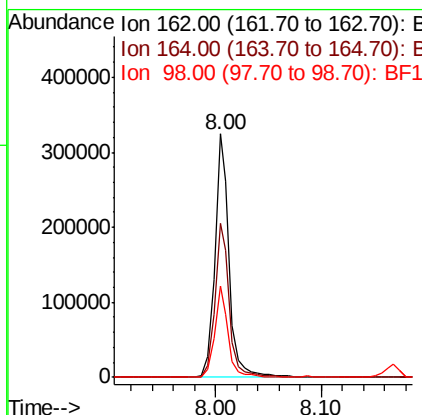
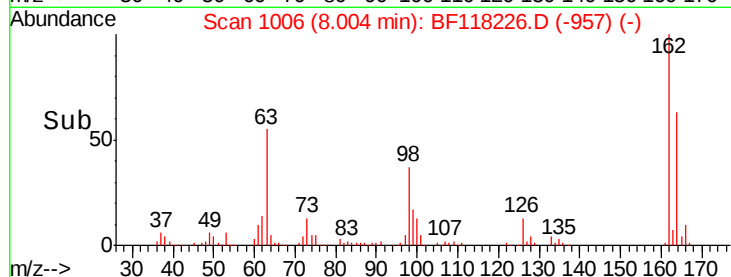
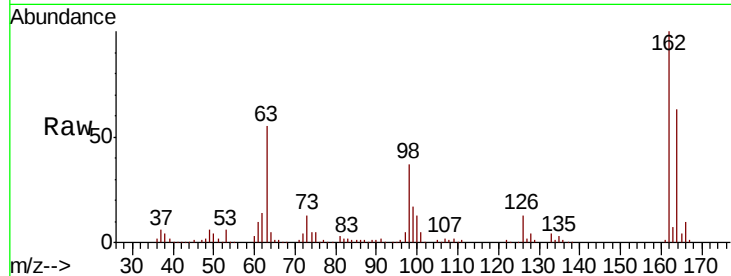
#29
2,4-Dichlorophenol
Concen: 39.234 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	312076		
164	63.2	45.2	85.2	
98	37.3	15.9	55.9	

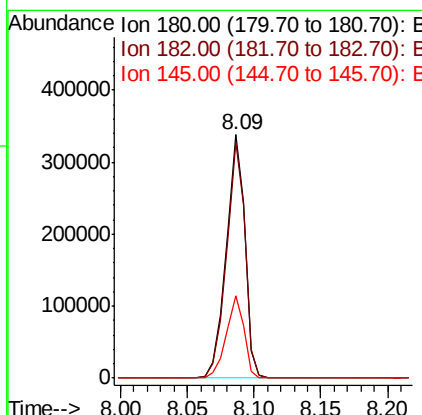
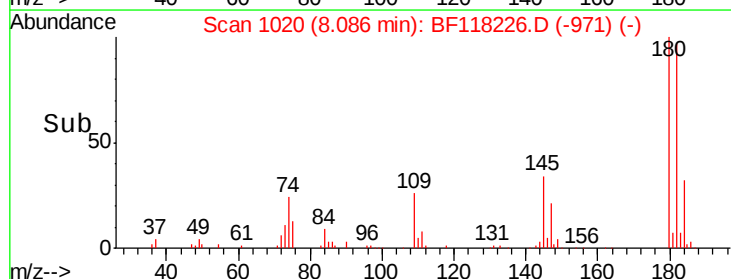
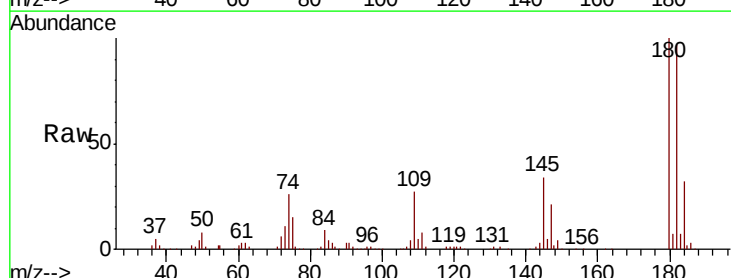
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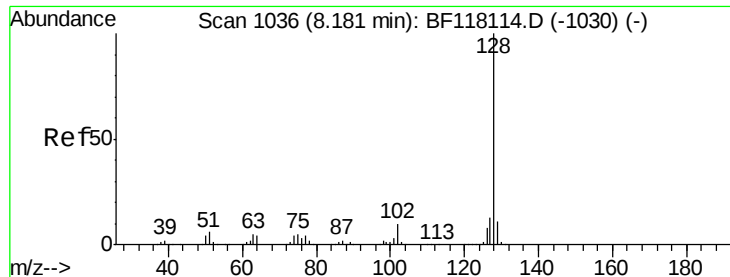
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#30
1,2,4-Trichlorobenzene
Concen: 36.073 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	335323		
182	97.1	76.1	114.1	
145	33.7	26.1	39.1	





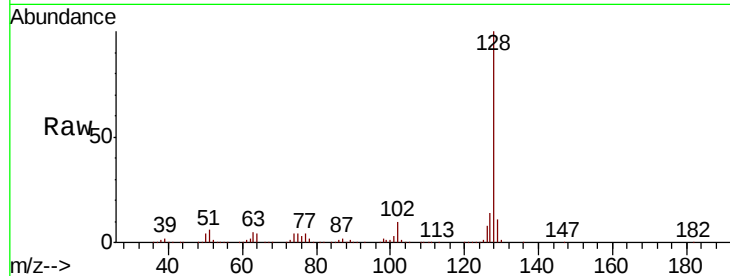
#31
Naphthalene
Concen: 38.207 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.7	10.6	16.0

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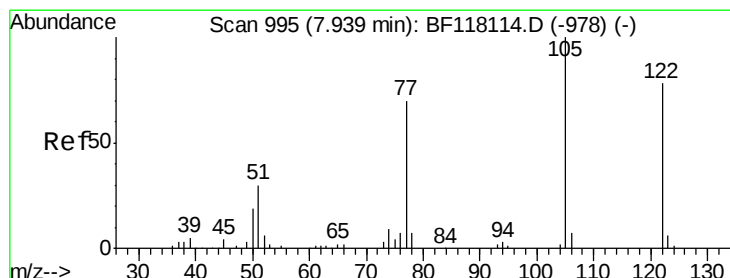
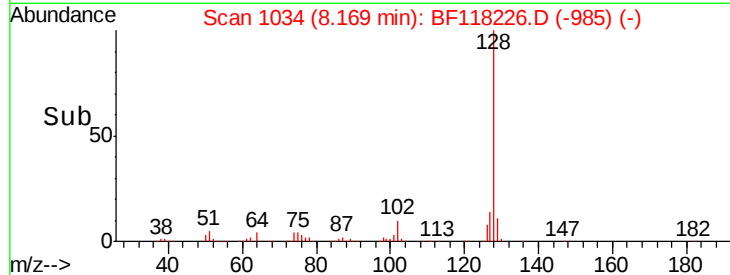
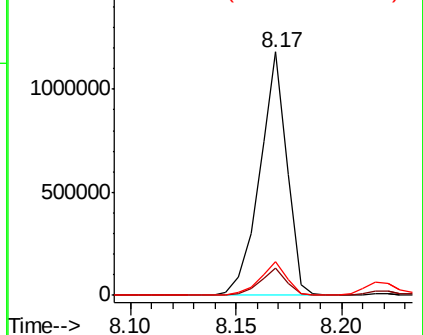


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 24.048 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

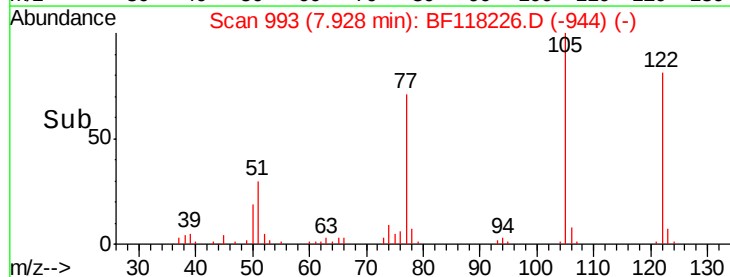
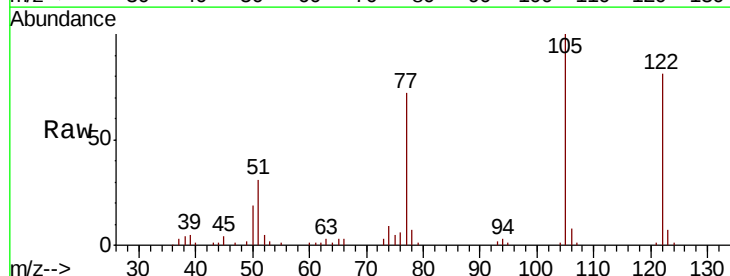
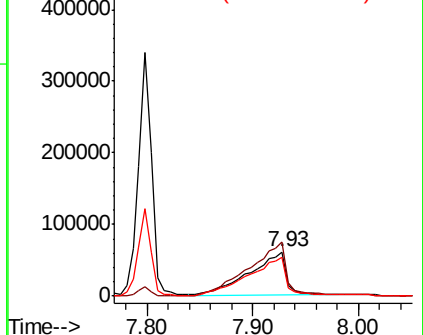
Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.9	104.7	144.7
77	88.8	69.1	109.1

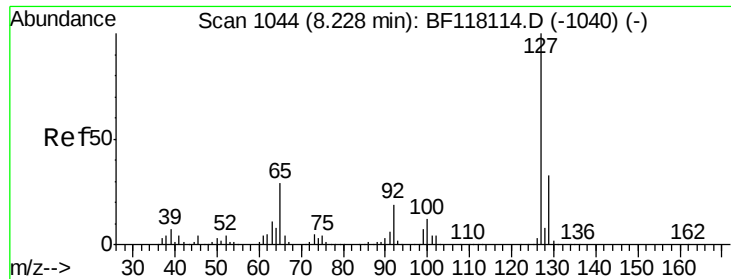
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





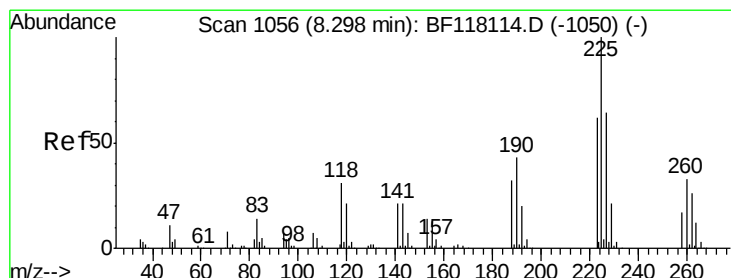
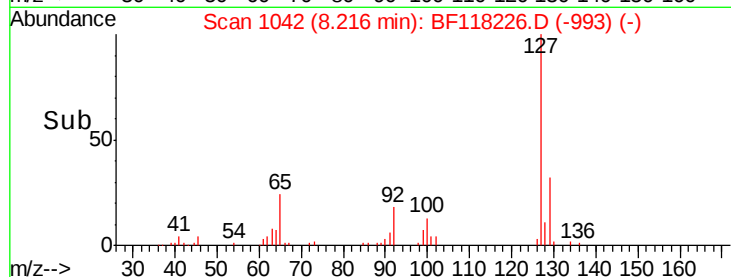
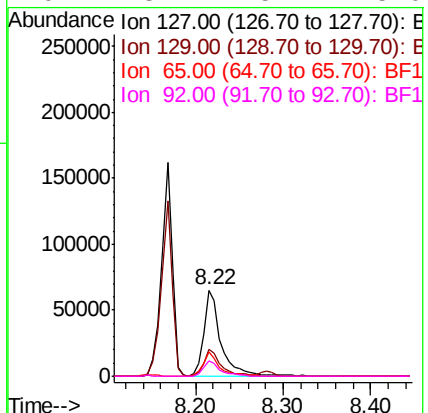
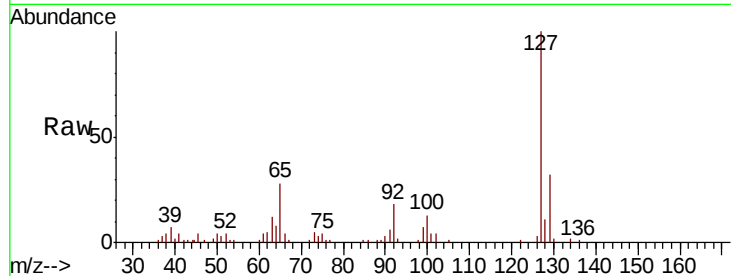
#33
 4-Chloroaniline
 Concen: 7.518 ng
 RT: 8.22 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF118226.D
 Acq: 17 Dec 2019 15:02

Instrument :
 BNA_F
 ClientSampleId :
 42-SPRUCMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.6	26.6	40.0		
65	27.9	23.2	34.8		
92	18.1	15.4	23.0		

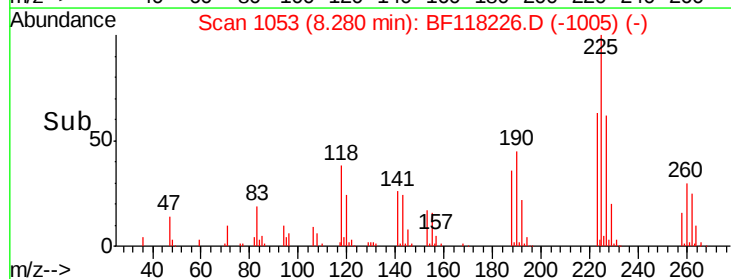
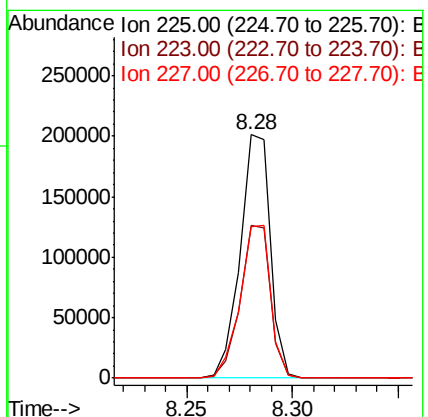
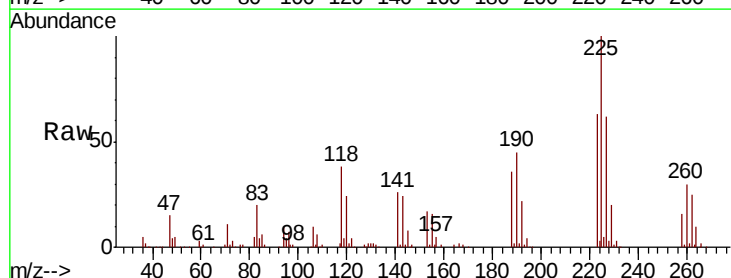
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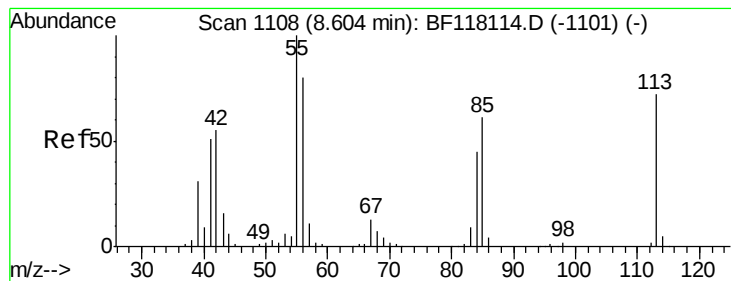
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#34
 Hexachlorobutadiene
 Concen: 35.714 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: BF118226.D
 Acq: 17 Dec 2019 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.5	49.6	74.4		
227	62.4	51.0	76.6		





#35

Caprolactam

Concen: 38.939 ng/mL

RT: 8.59 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

ClientSampleId :

42-SPRUCEMS

Tot Ion: 113 Resp: 95516

Ion Ratio Lower Upper

113 100

55 134.3 118.9 158.9

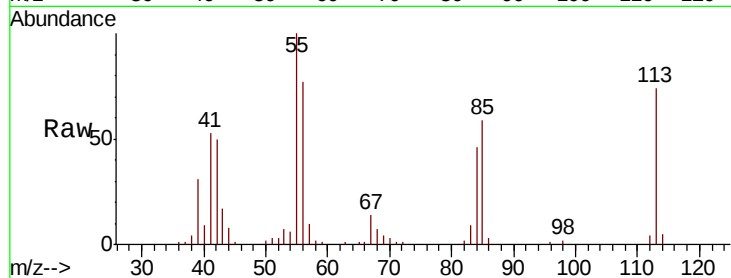
56 103.9 91.4 131.4

Manual Integrations

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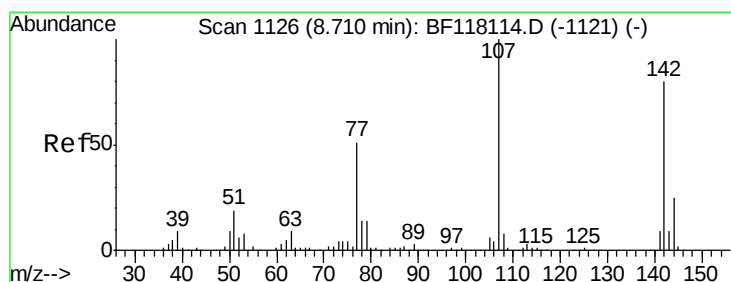
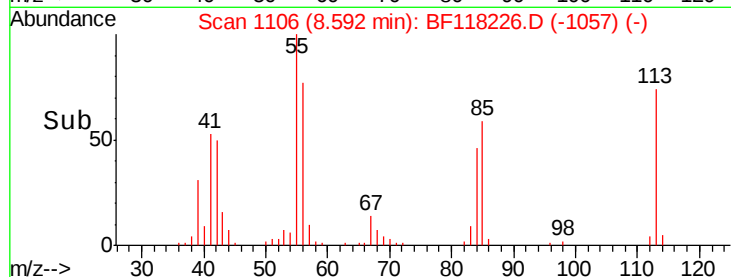
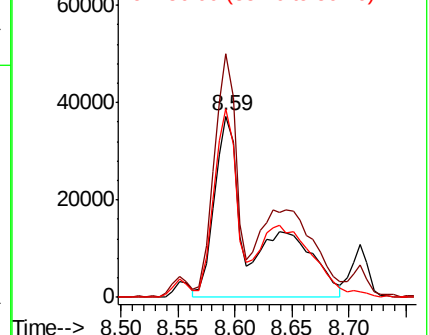
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 39.528 ng/mL

RT: 8.71 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

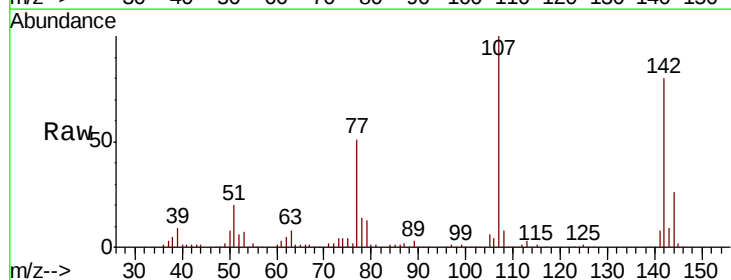
Tgt Ion: 107 Resp: 330873

Ion Ratio Lower Upper

107 100

144 26.2 20.3 30.5

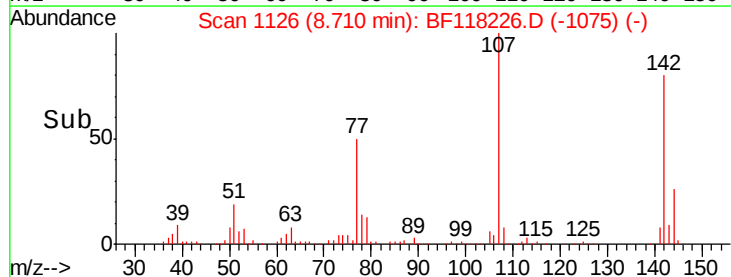
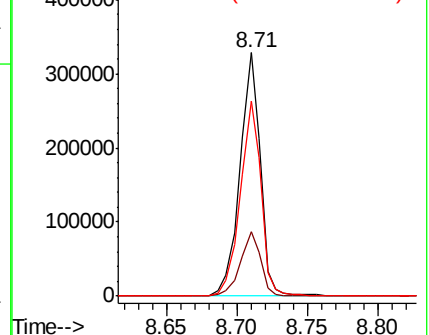
142 80.1 63.7 95.5

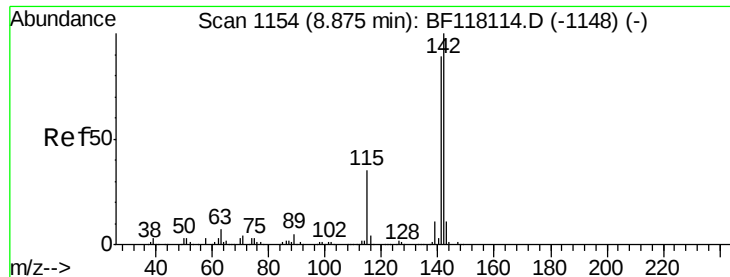


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





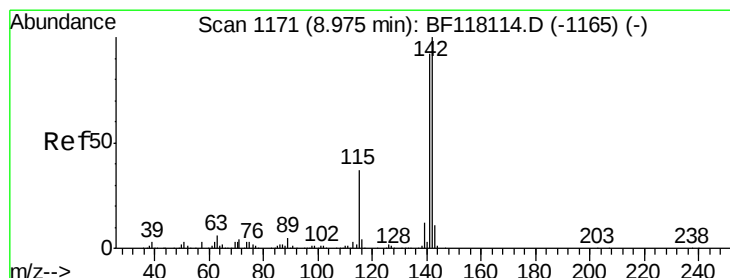
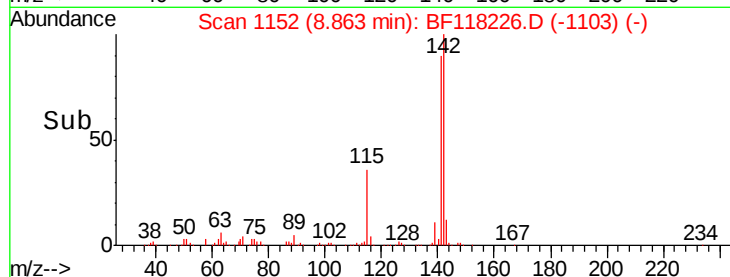
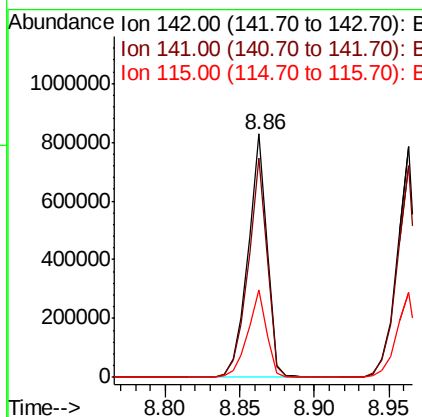
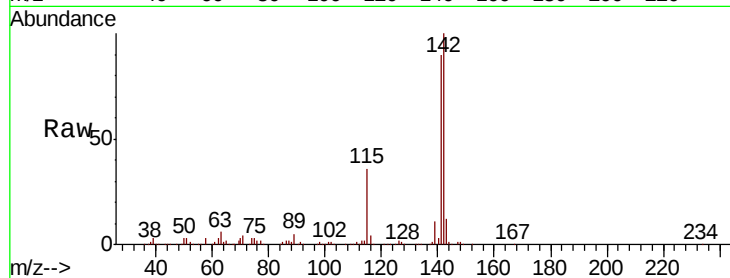
#37
2-Methylnaphthalene
Concen: 39.212 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.4	107.0
115	35.9	28.2	42.4

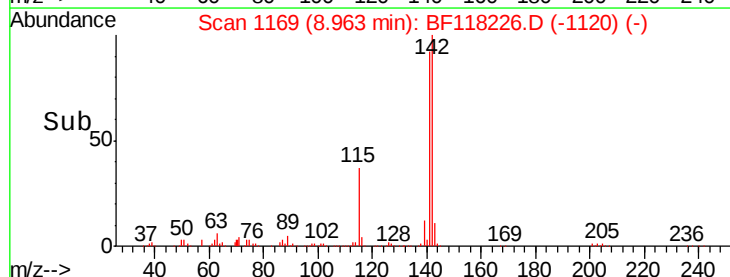
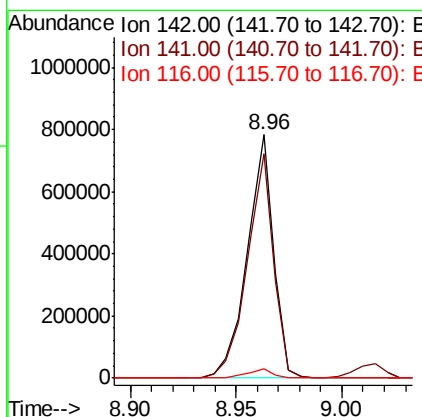
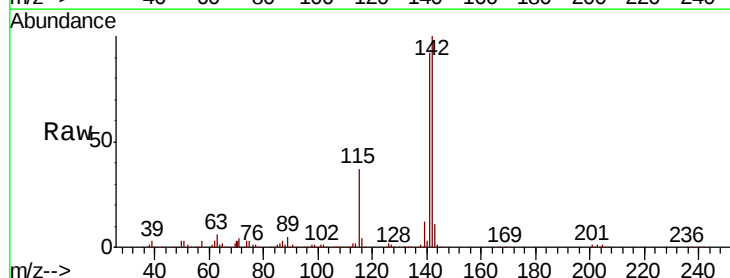
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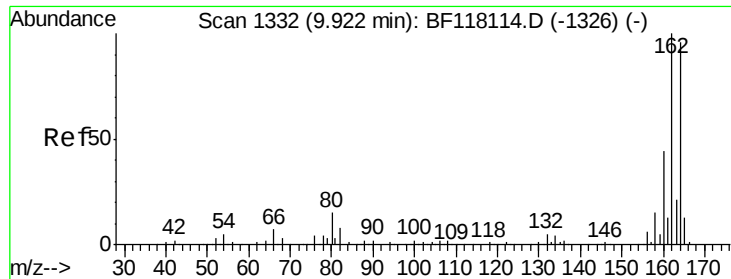
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#38
1-Methylnaphthalene
Concen: 38.504 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.0	111.0
116	3.9	3.2	4.8





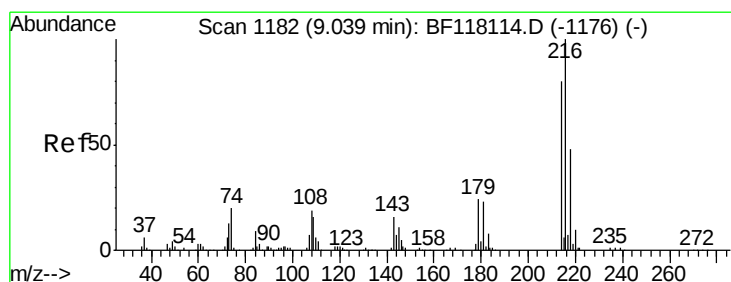
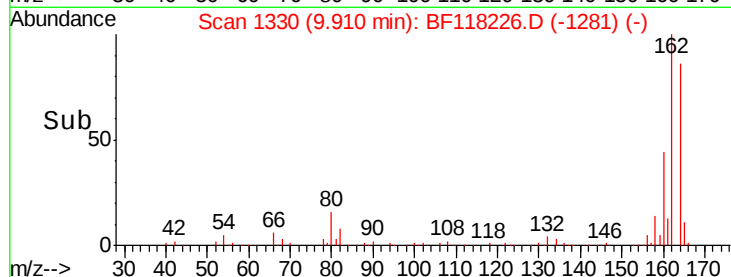
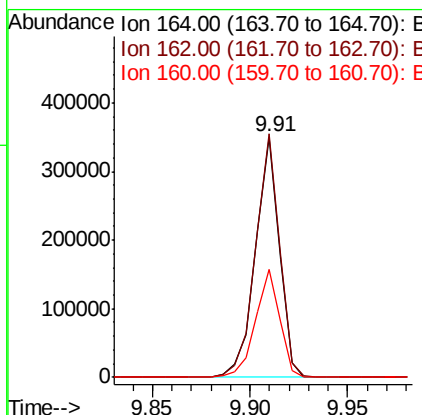
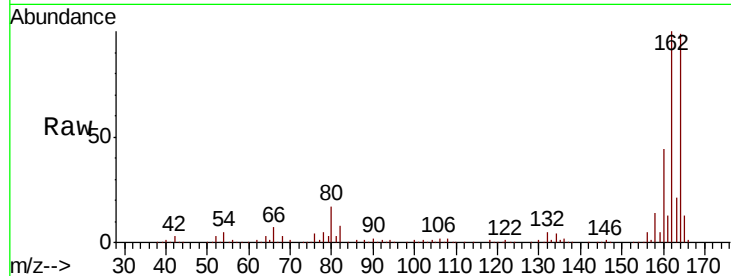
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	83.4	125.0	
160	45.1	36.6	54.8	

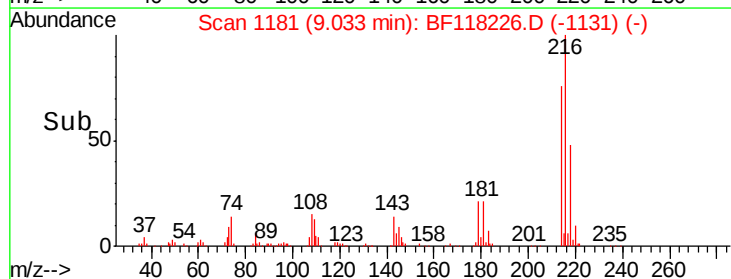
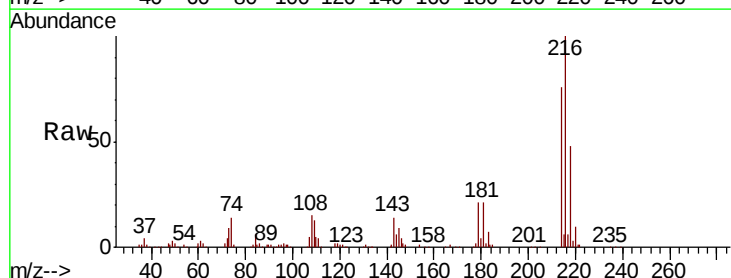
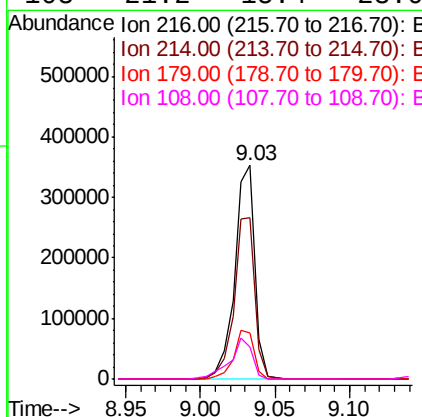
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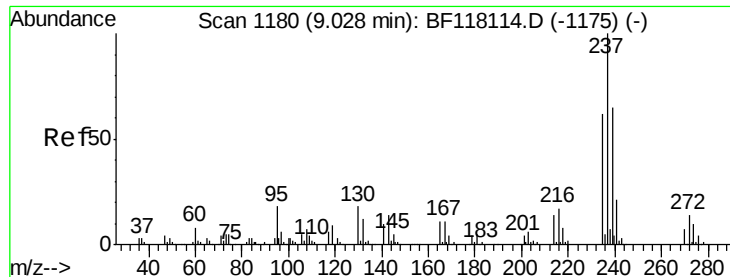
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.783 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.4	63.4	95.2	
179	23.0	18.6	27.8	
108	21.2	15.4	23.0	





#41

Hexachlorocyclopentadiene

Concen: 82.891 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

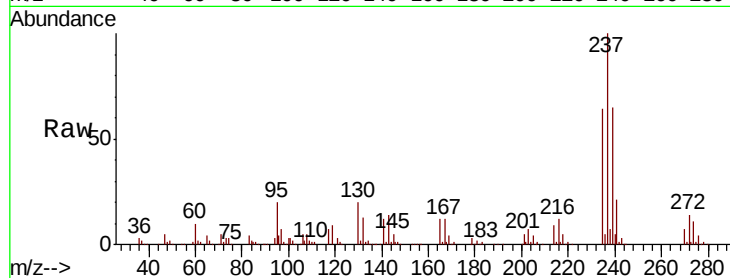
ClientSampleId :

42-SPRUCMS

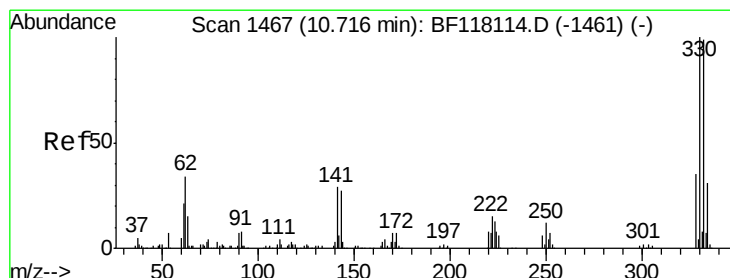
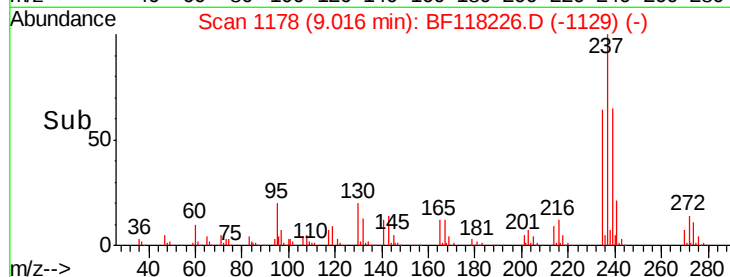
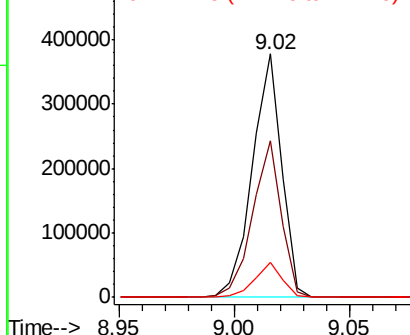
Tot Ion:	237	Resp:	335609
Ion Ratio	Lower	Upper	
237	100		
235	64.3	41.5	81.5
272	14.2	0.0	33.7

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



#42

2,4,6-Tribromophenol

Concen: 95.276 ng

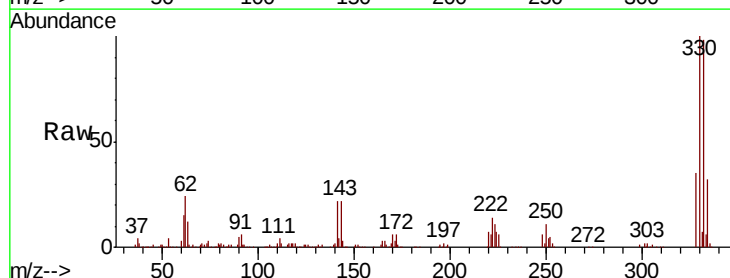
RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

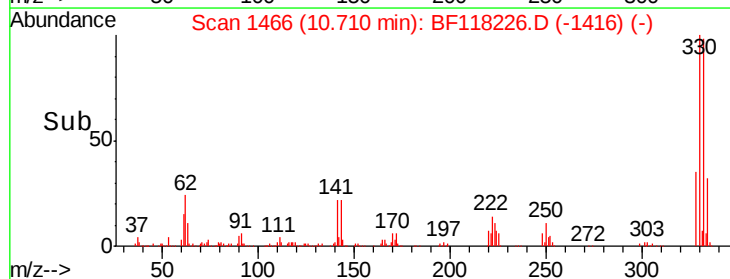
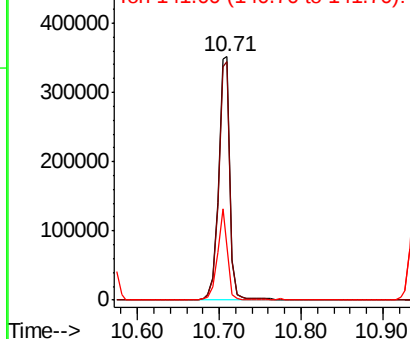
Lab File: BF118226.D

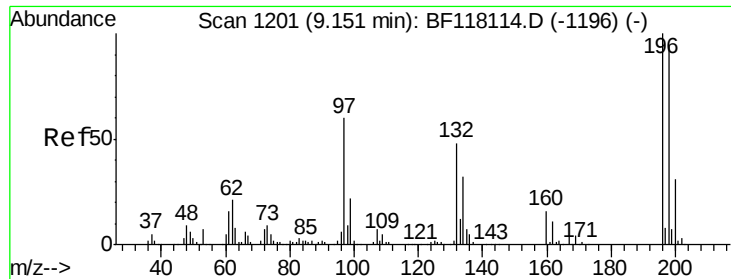
Acq: 17 Dec 2019 15:02

Tgt Ion:	330	Resp:	345256
Ion Ratio	Lower	Upper	
330	100		
332	96.0	78.1	117.1
141	32.9	26.9	40.3



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





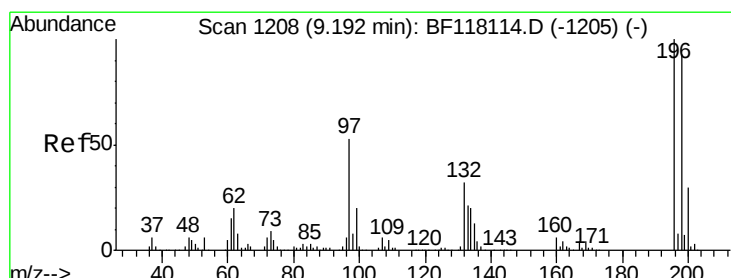
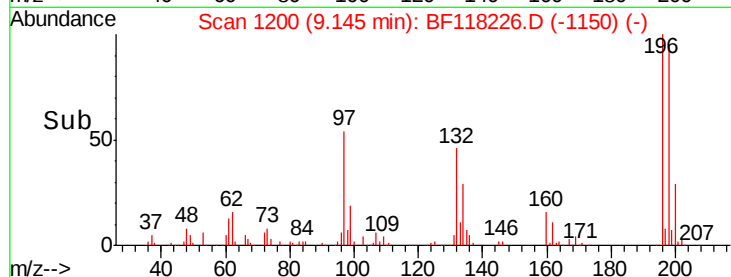
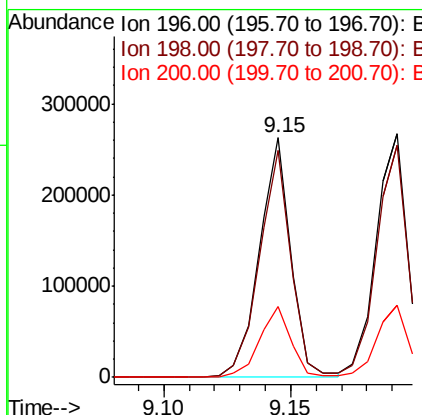
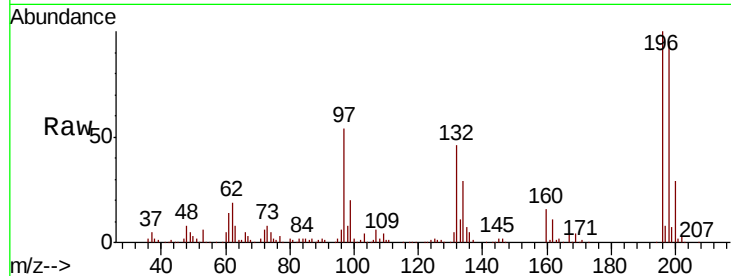
#43
2,4,6-Trichlorophenol
Concen: 37.694 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	227429		
198	94.9	75.0	112.4	
200	29.5	24.5	36.7	

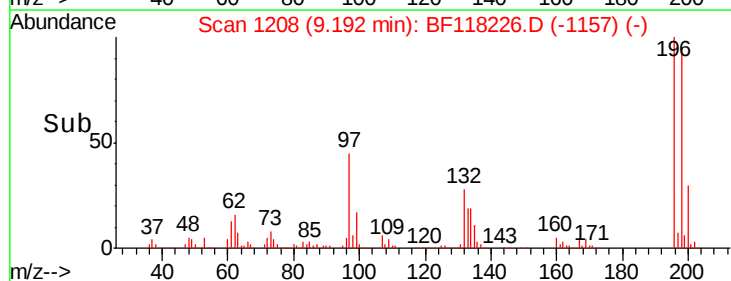
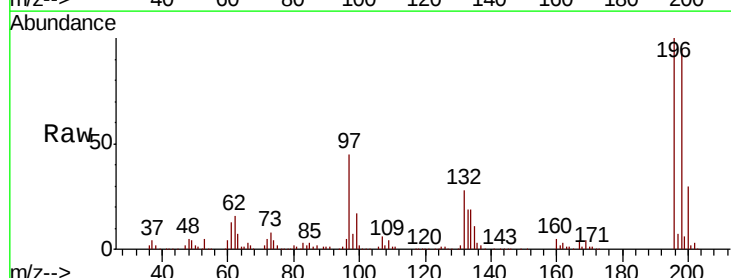
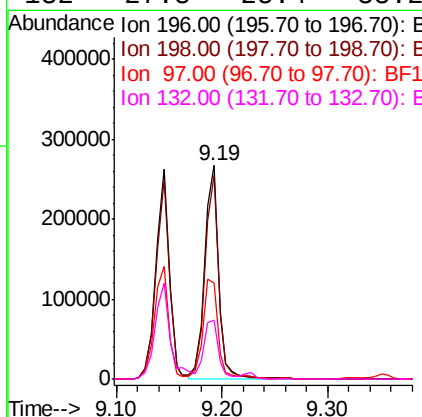
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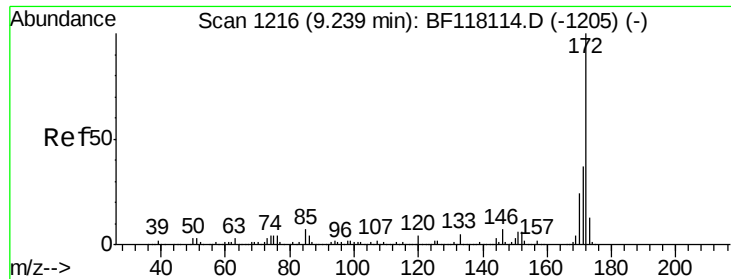
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#44
2,4,5-Trichlorophenol
Concen: 39.242 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	245297		
198	95.2	74.2	111.4	
97	44.8	42.5	63.7	
132	27.8	25.4	38.2	





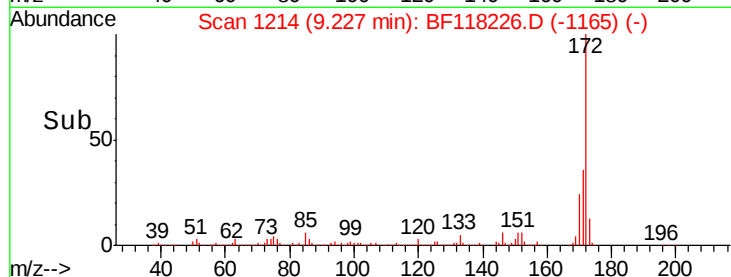
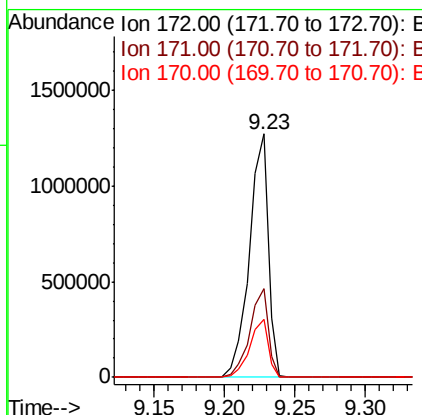
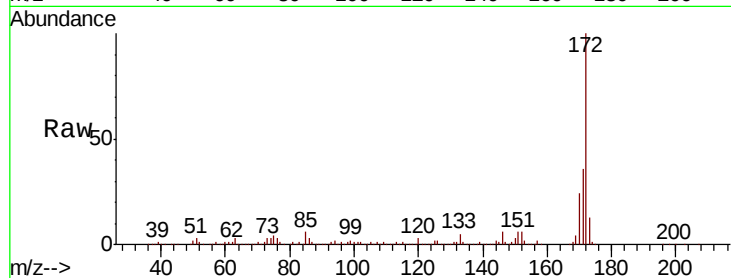
#45
2-Fluorobiphenyl
Concen: 61.306 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.2	43.8
170	23.9	19.4	29.2

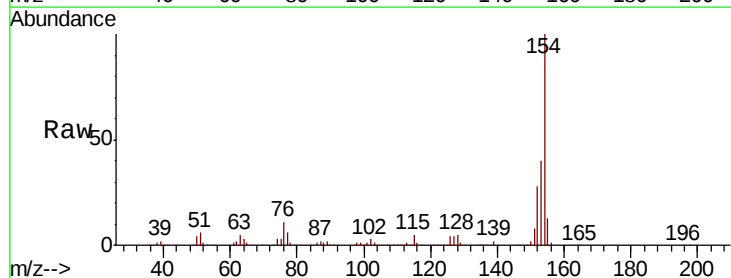
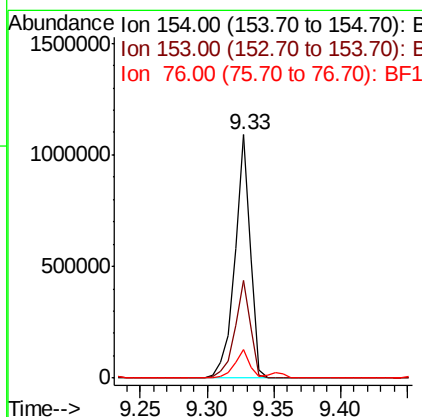
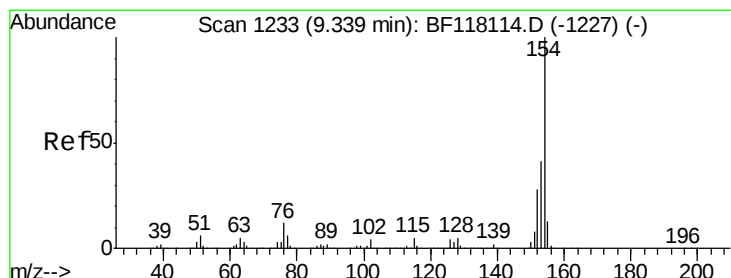
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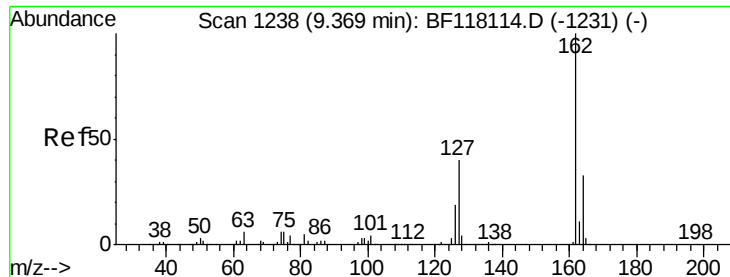
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#46
1,1'-Biphenyl
Concen: 37.867 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	11.5	0.0	31.9





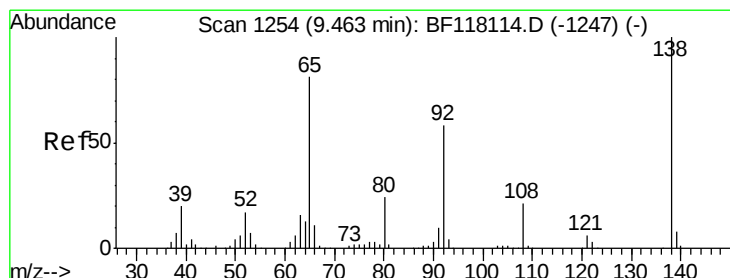
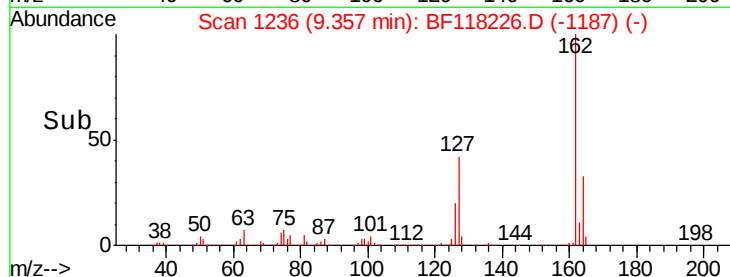
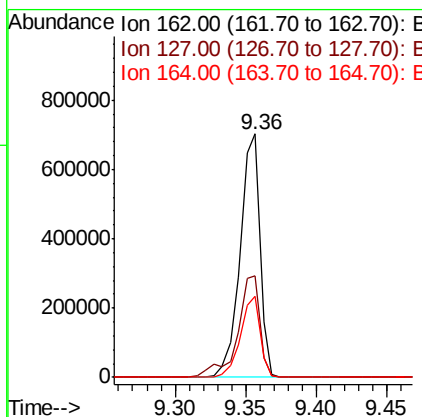
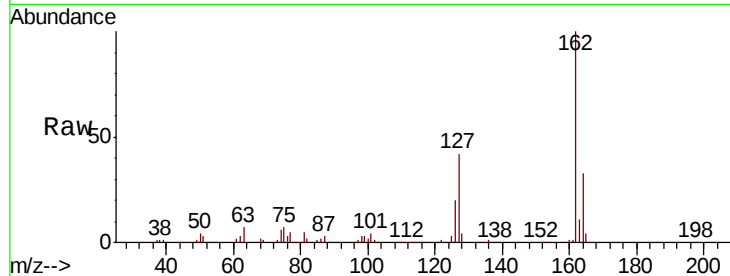
#47
2-Chloronaphthalene
Concen: 36.426 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	41.8	32.0	48.0
164	33.3	26.1	39.1

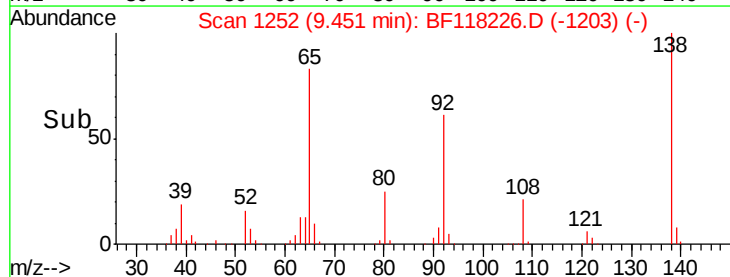
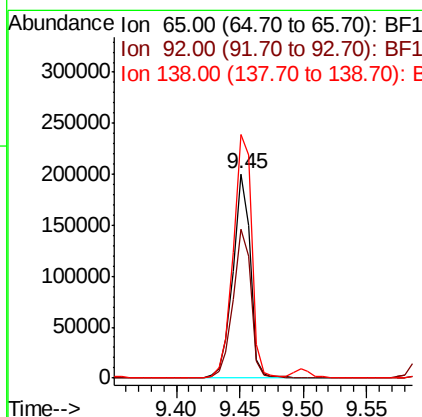
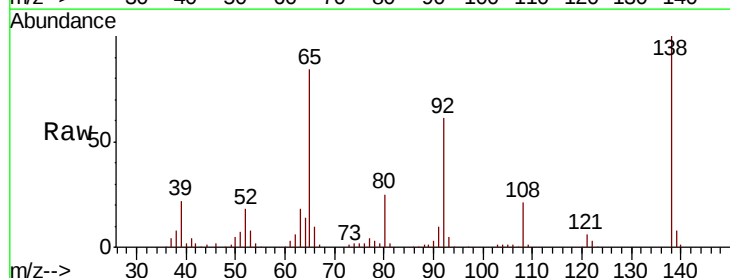
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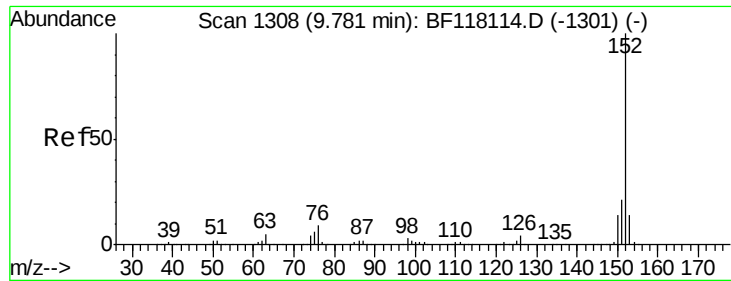
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#48
2-Nitroaniline
Concen: 35.102 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	72.9	57.8	86.6
138	119.2	98.8	148.2





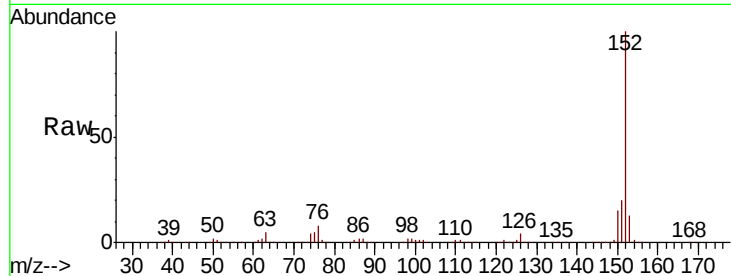
#49
Acenaphthylene
Concen: 39.403 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

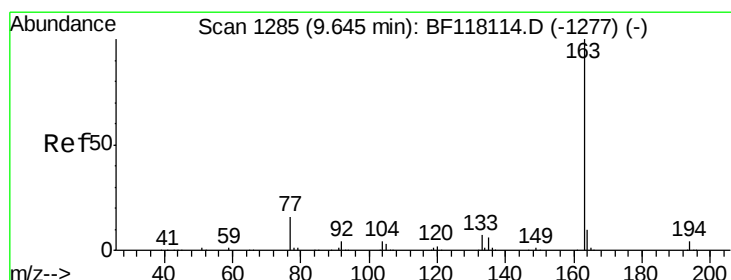
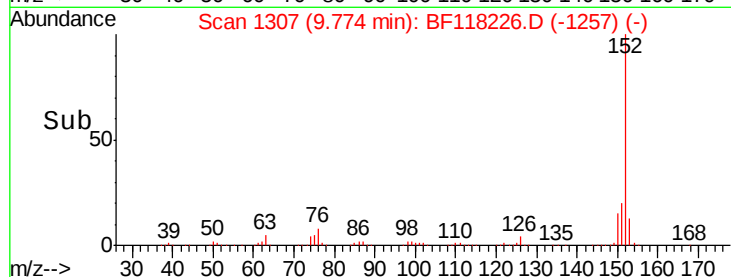
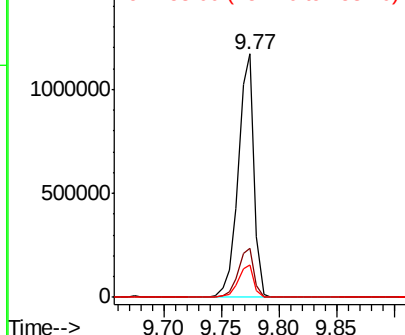
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.1	10.8	16.2

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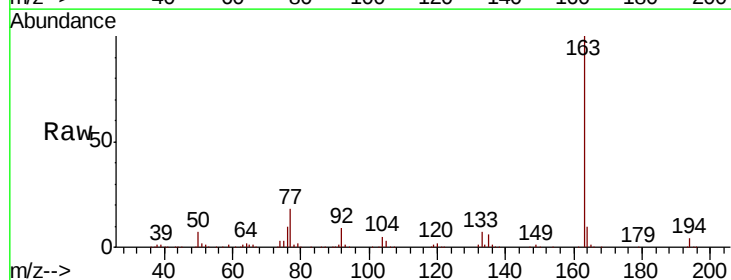


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

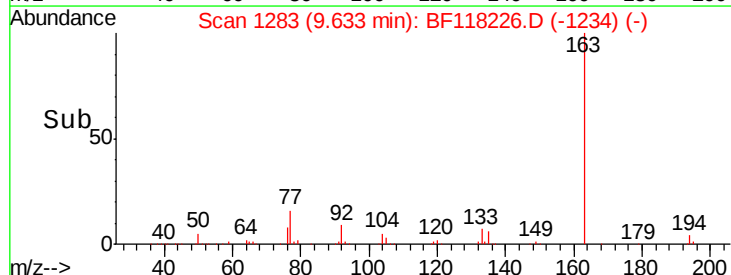
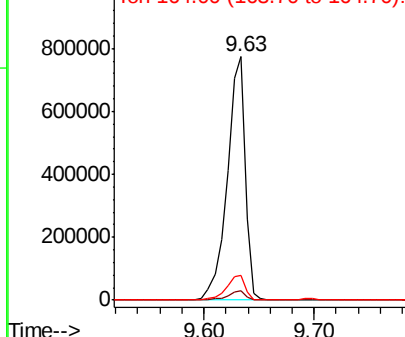


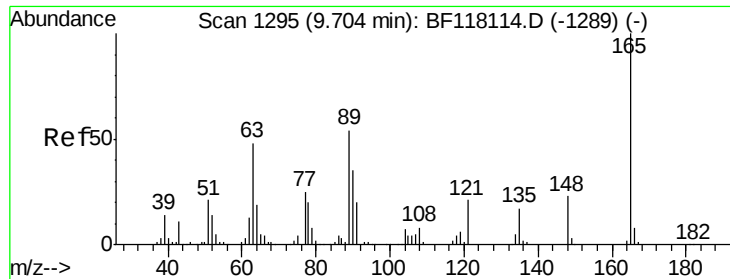
#50
Dimethylphthalate
Concen: 39.976 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.0	7.7	11.5



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





#51

2,6-Dinitrotoluene

Concen: 39.333 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

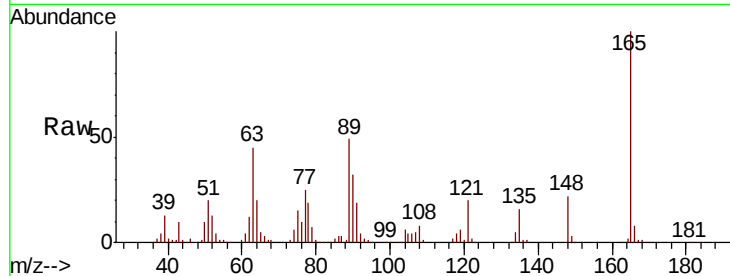
ClientSampleId :

42-SPRUCMS

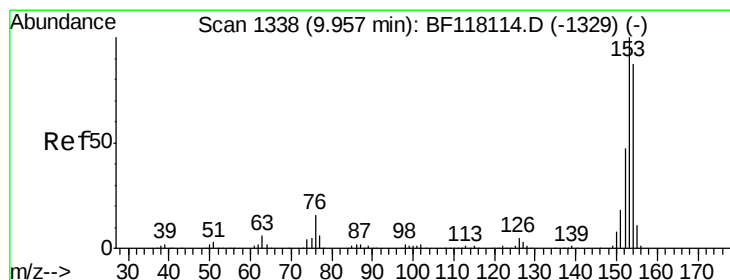
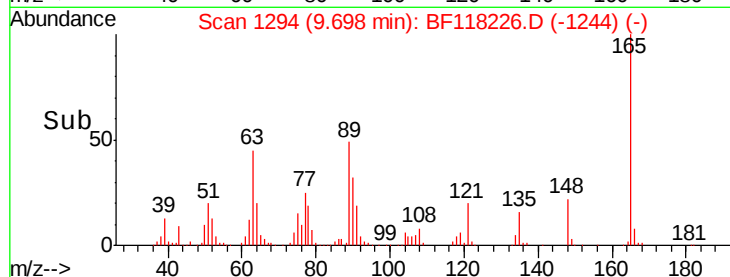
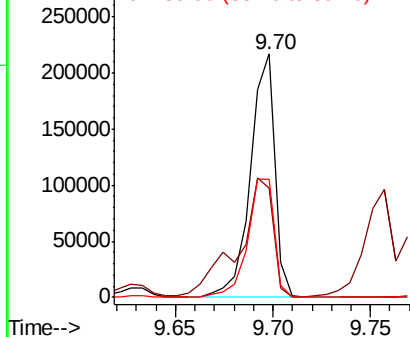
Tot Ion:	165	Resp:	188445
Ion Ratio	Lower	Upper	
165	100		
63	44.6	41.4	62.0
89	48.6	42.9	64.3

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



#52

Acenaphthene

Concen: 37.155 ng

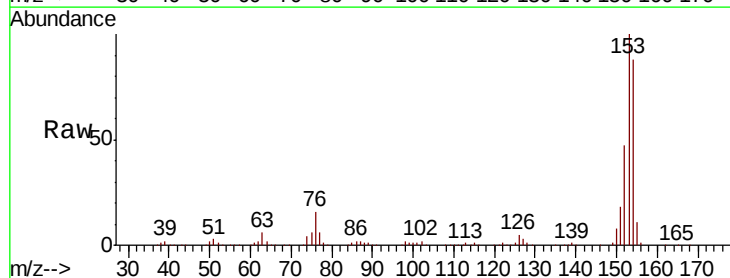
RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

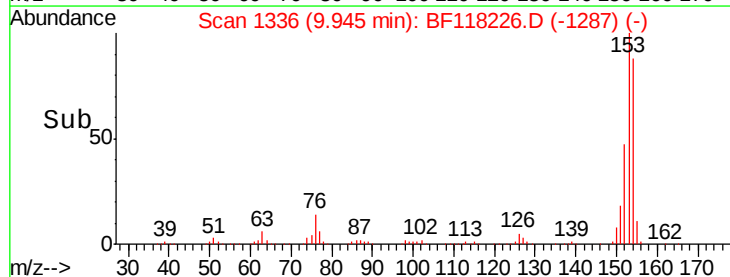
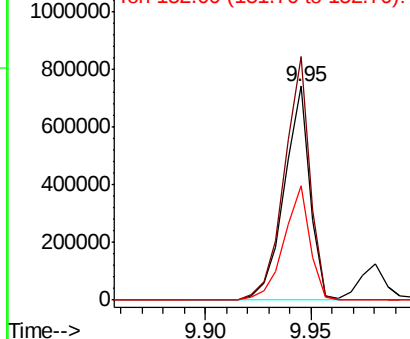
Lab File: BF118226.D

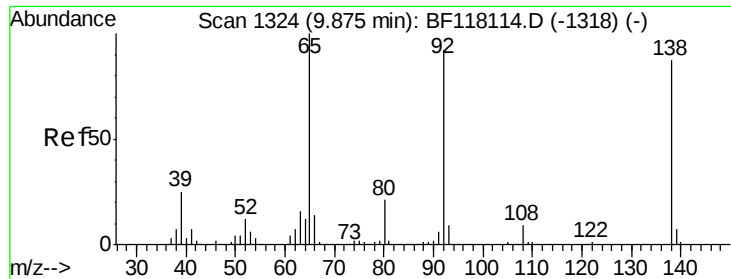
Acq: 17 Dec 2019 15:02

Tgt Ion:	154	Resp:	633008
Ion Ratio	Lower	Upper	
154	100		
153	113.7	91.8	137.6
152	53.4	43.3	64.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





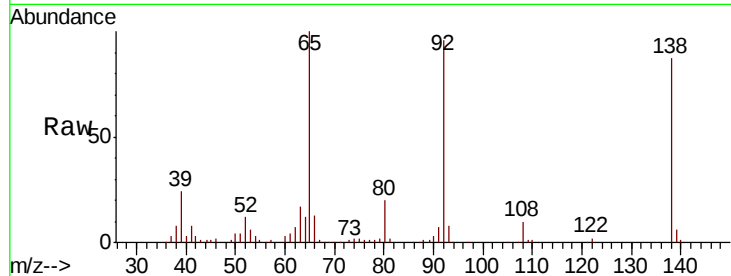
#53
3-Nitroaniline
Concen: 15.774 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

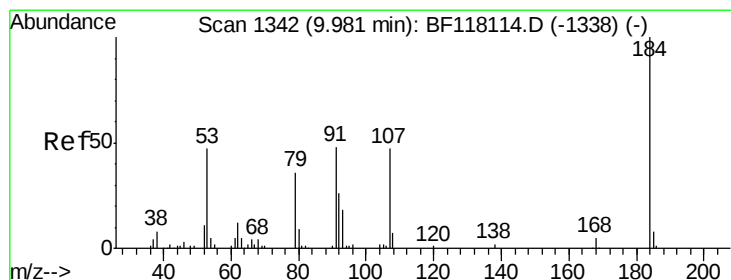
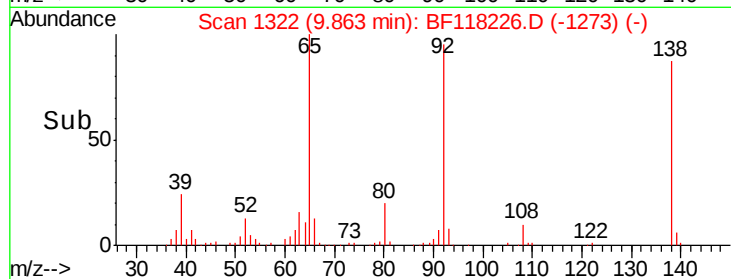
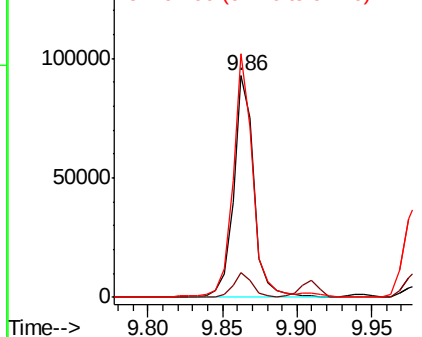
Tot Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.2	12.4
92	109.9	84.9	127.3

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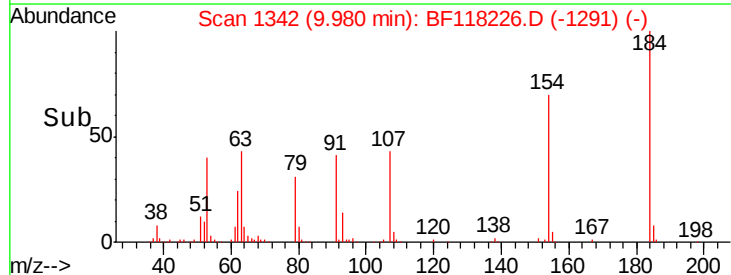
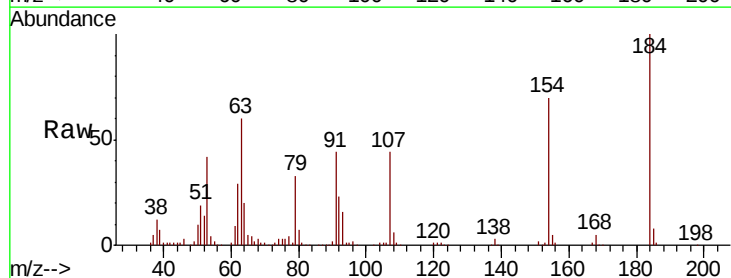
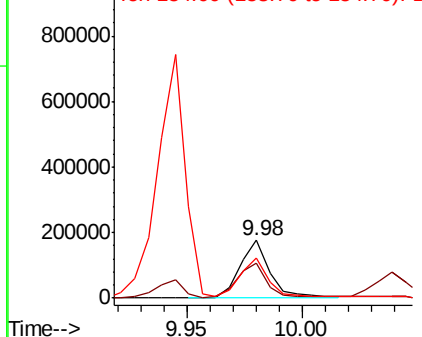
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

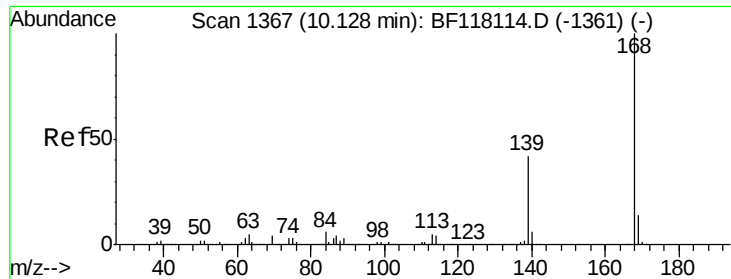


#54
2,4-Dinitrophenol
Concen: 67.588 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.5	53.9	80.9
154	70.0	56.3	84.5

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





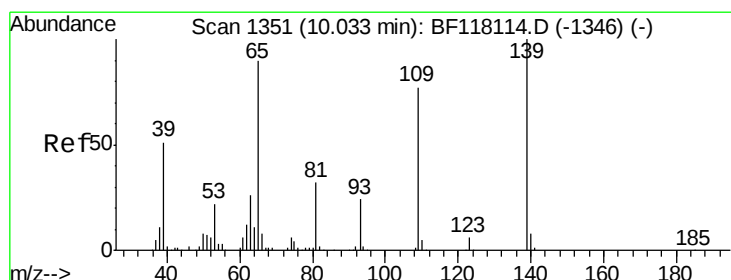
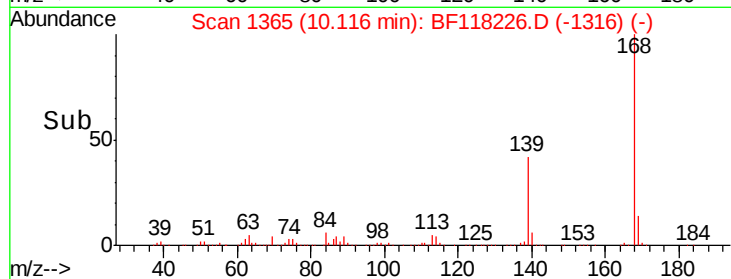
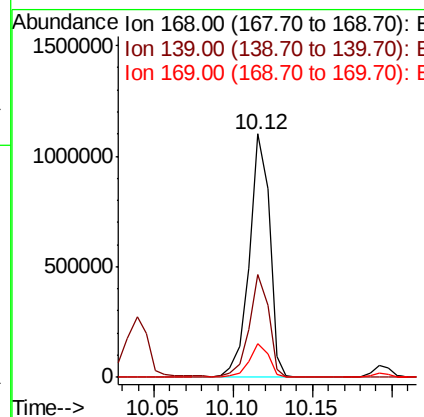
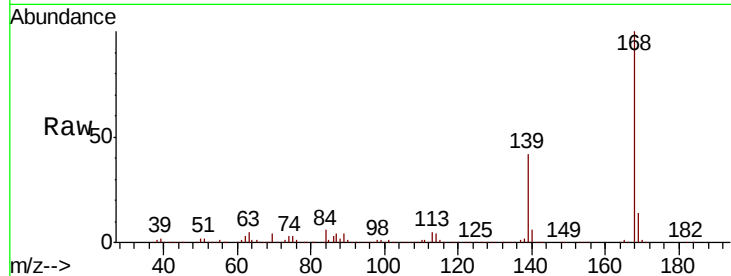
#55
Dibenzofuran
Concen: 38.810 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.2	33.4	50.0
169	14.0	11.0	16.6

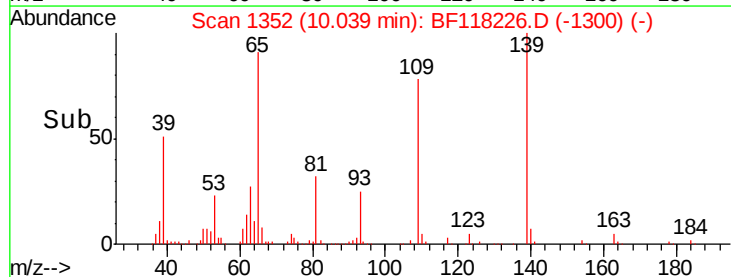
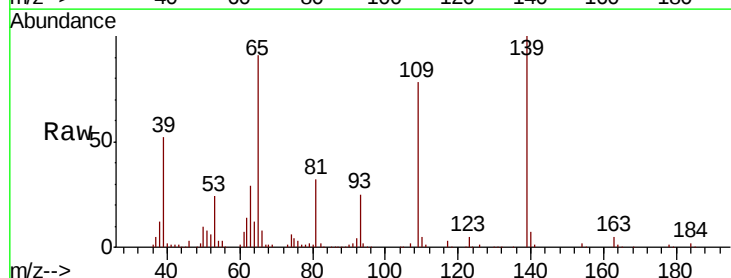
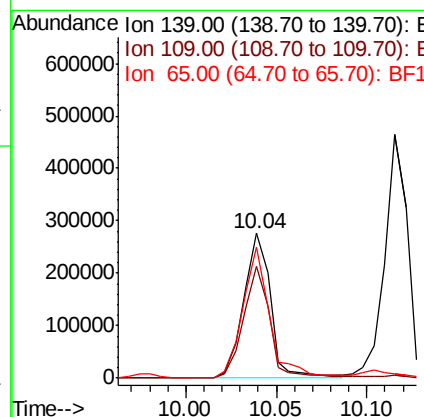
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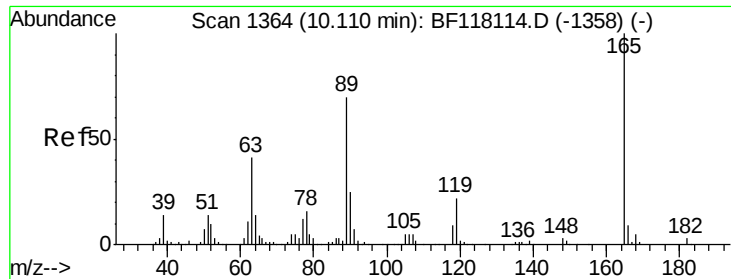
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#56
4-Nitrophenol
Concen: 72.539 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
139	100		
109	77.6	57.3	97.3
65	90.9	70.2	110.2





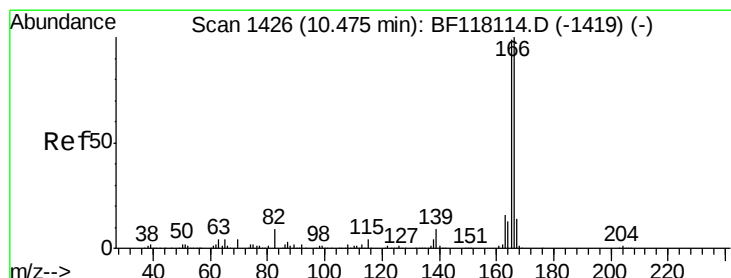
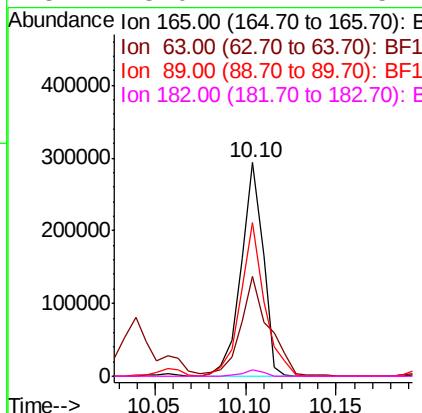
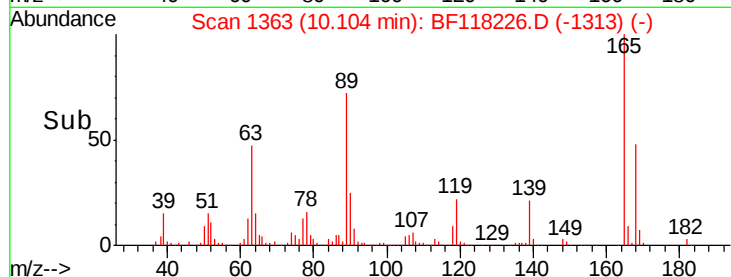
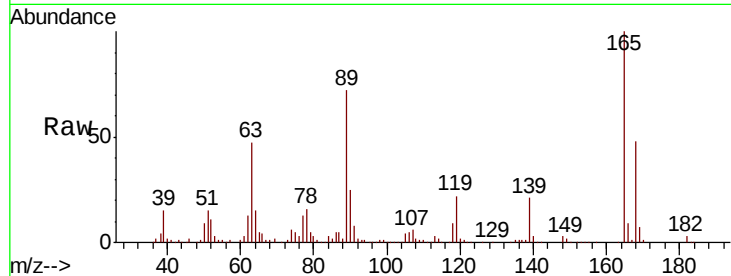
#57
2,4-Dinitrotoluene
Concen: 38.838 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	46.7	32.6	49.0
89	72.2	56.1	84.1
182	3.0	2.1	3.1

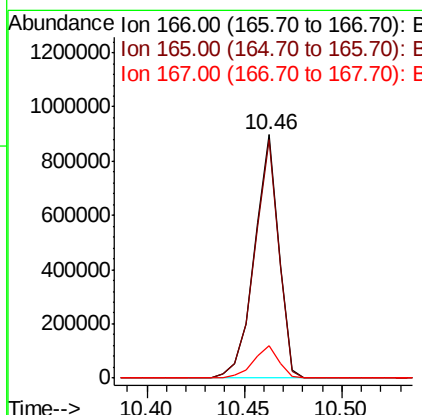
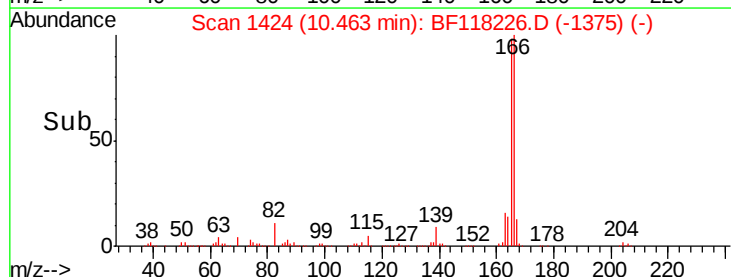
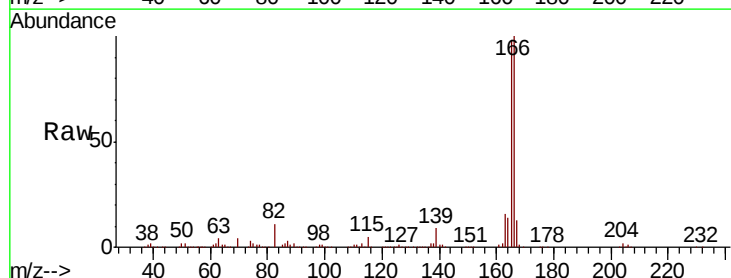
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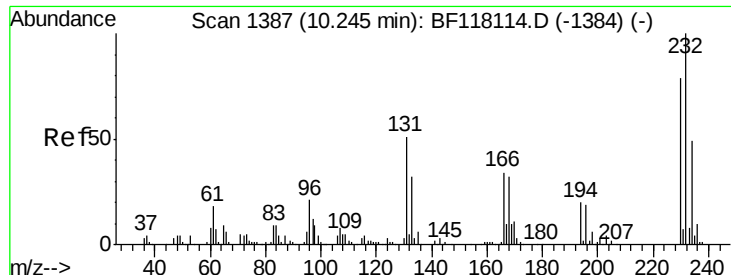
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#58
Fluorene
Concen: 38.979 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	98.0	79.0	118.4
167	13.2	10.9	16.3





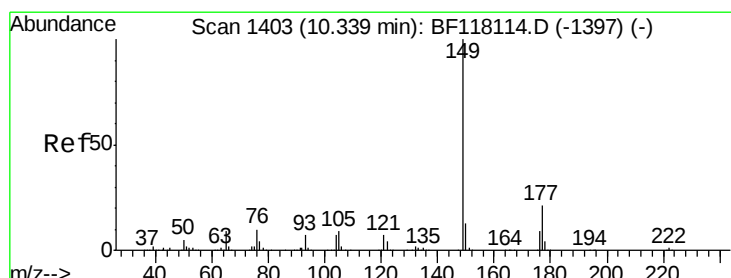
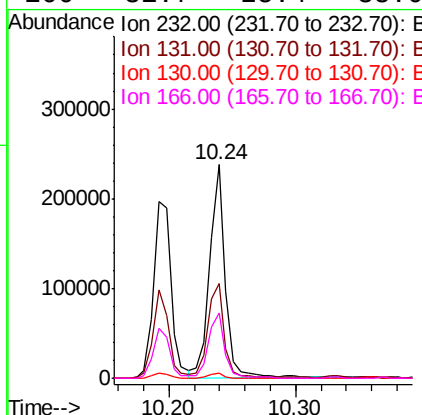
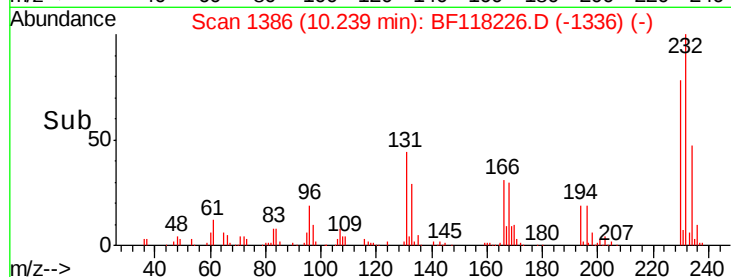
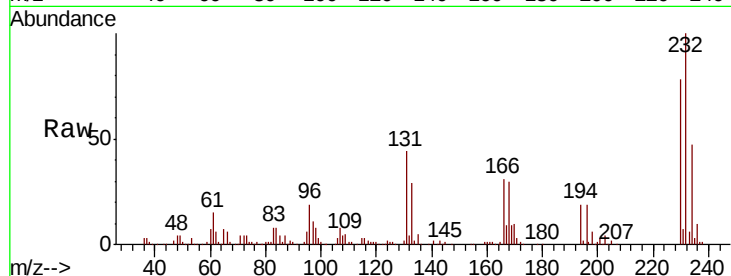
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.947 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	206009		
131	46.7		38.8	58.2
130	2.6		1.9	2.9
166	31.7		25.4	38.0

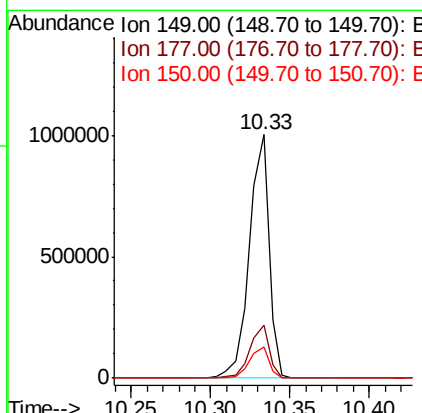
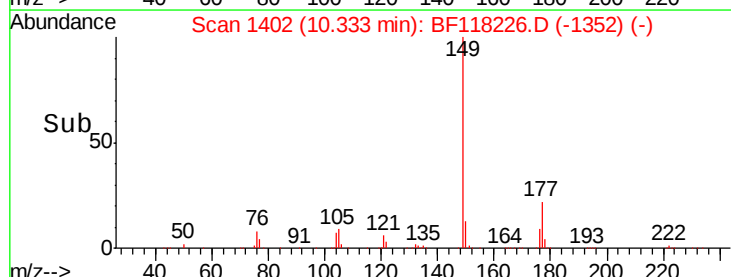
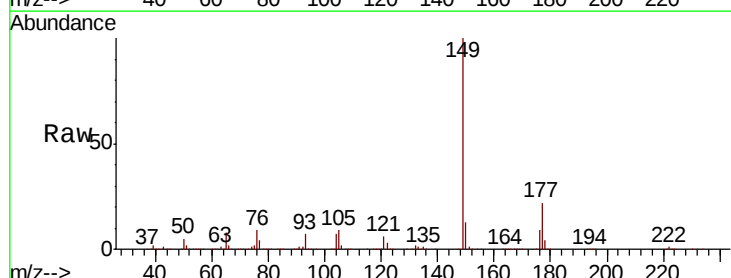
Manual Integrations
APPROVED

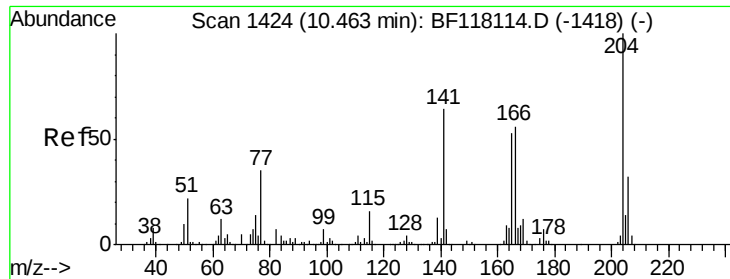
mohammad
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#60
Diethylphthalate
Concen: 39.726 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	862404		
177	22.0		17.0	25.4
150	12.5		10.1	15.1





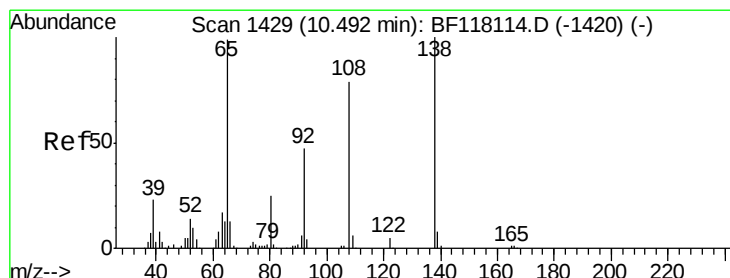
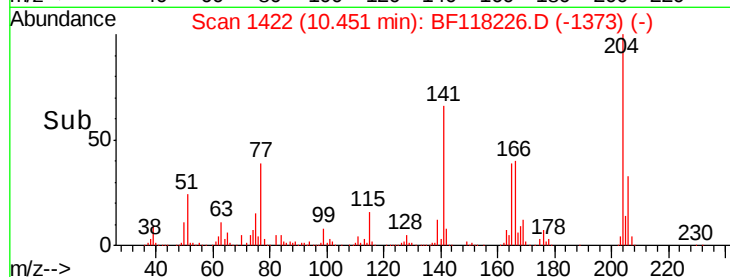
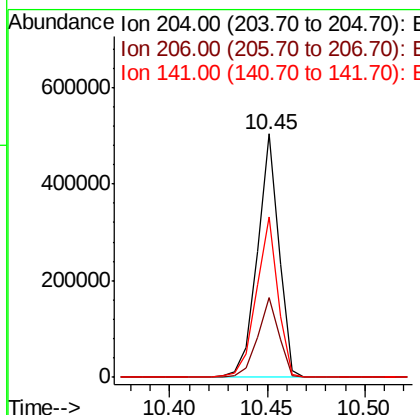
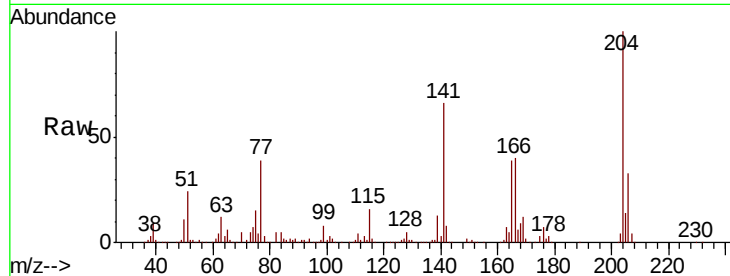
#61
4-Chlorophenyl-phenylether
Concen: 38.668 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.0	39.0
141	66.1	51.0	76.6

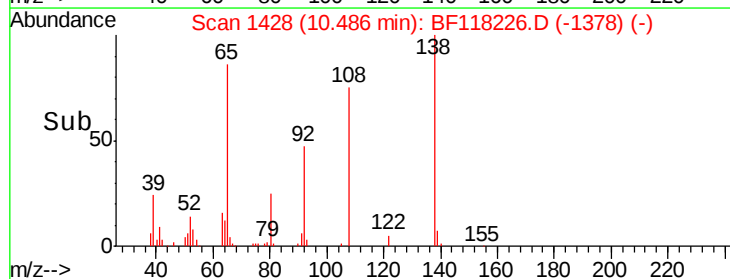
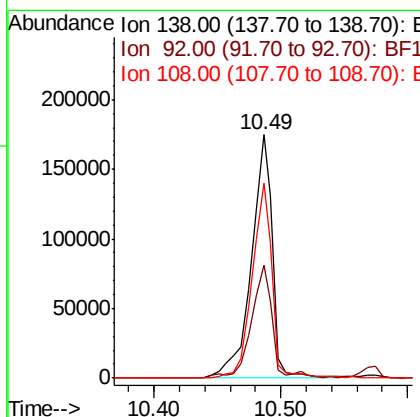
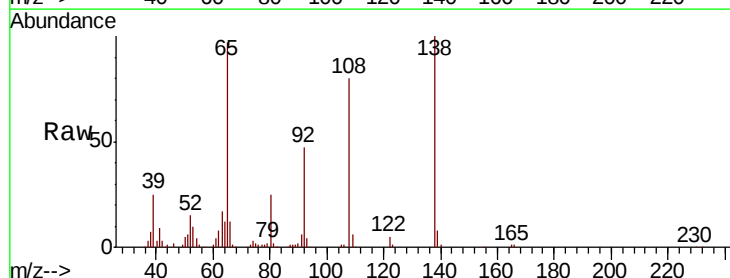
Manual Integrations
APPROVED

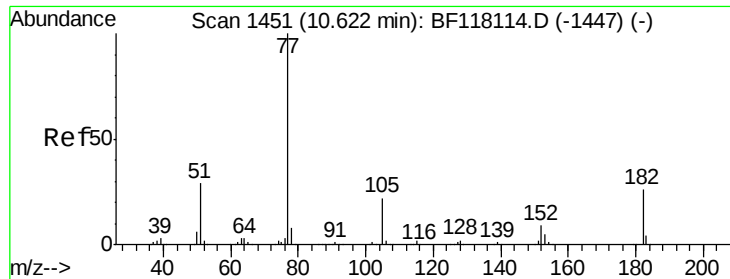
mohammad
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#62
4-Nitroaniline
Concen: 34.724 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.7	27.1	67.1
108	79.8	59.0	99.0





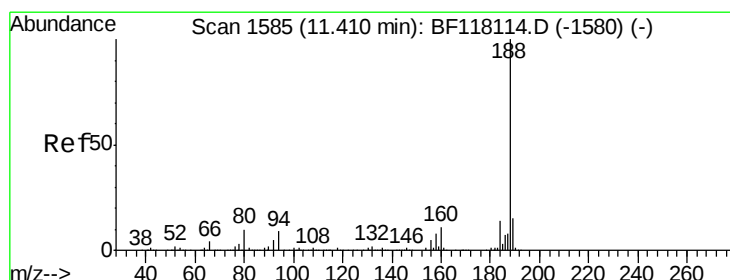
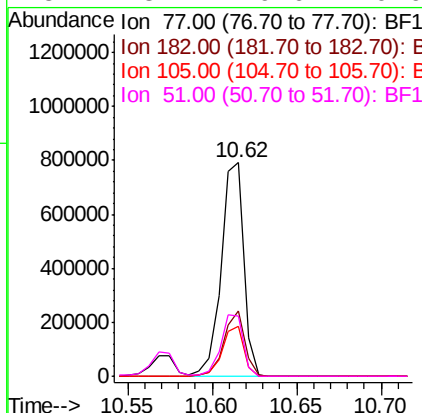
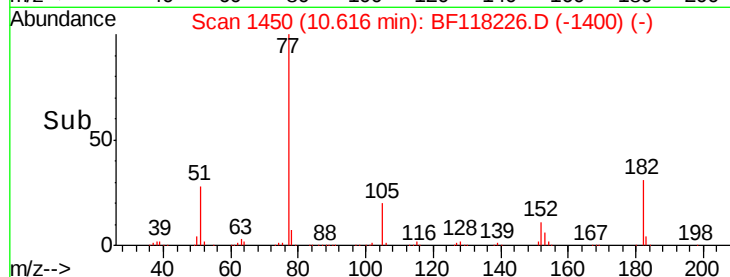
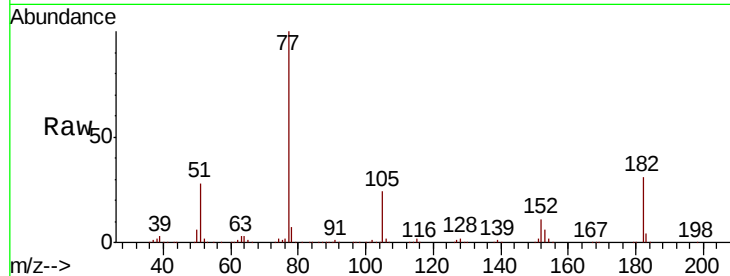
#63
Azobenzene
Concen: 39.782 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		737235		
182	30.7	5.7	45.7		
105	23.6	2.2	42.2		
51	28.1	9.6	49.6		

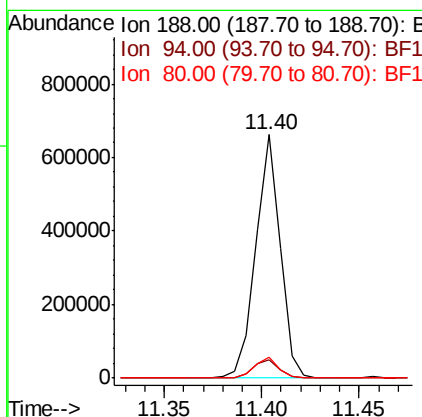
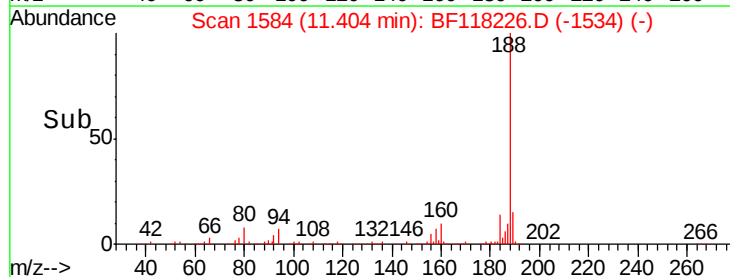
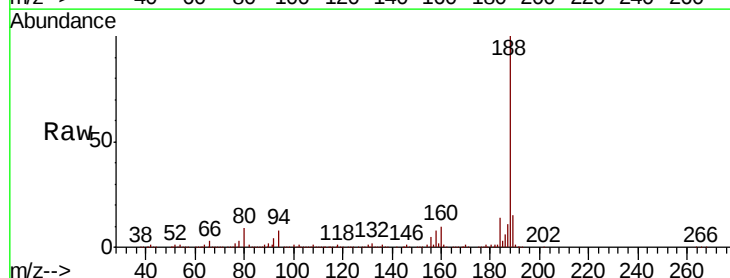
Manual Integrations
APPROVED

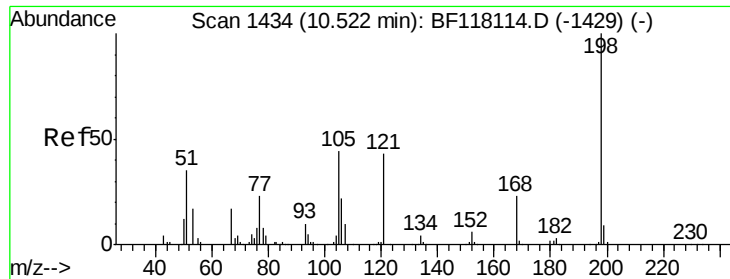
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		575380		
94	7.7	7.1	10.7		
80	8.5	7.9	11.9		





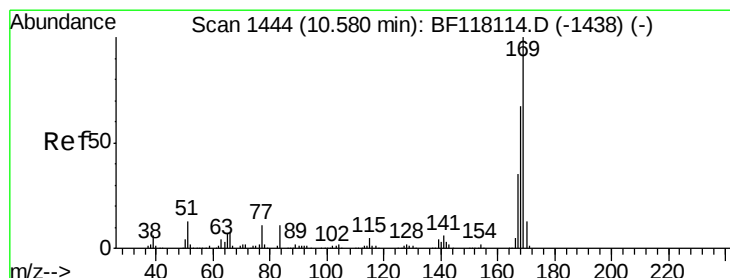
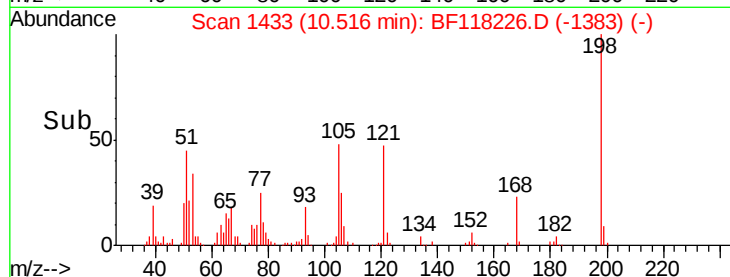
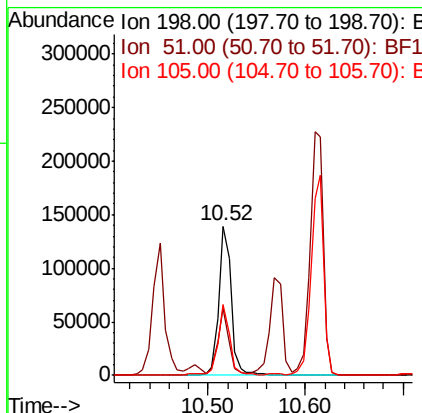
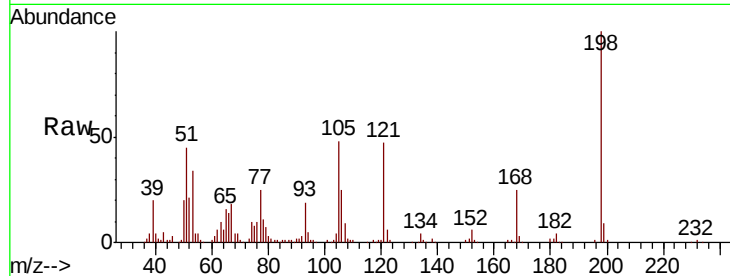
#65
4,6-Dinitro-2-methylphenol
Concen: 39.454 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCMS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	125369		
51	44.8	22.0	62.0	
105	47.5	25.6	65.6	

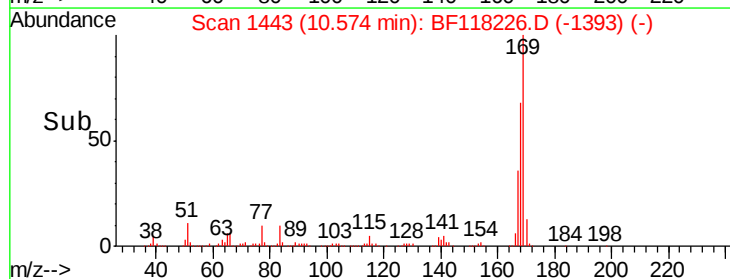
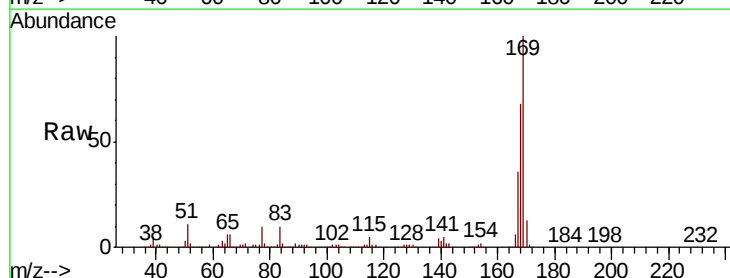
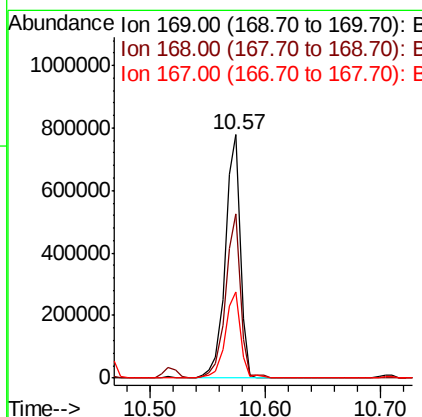
Manual Integrations
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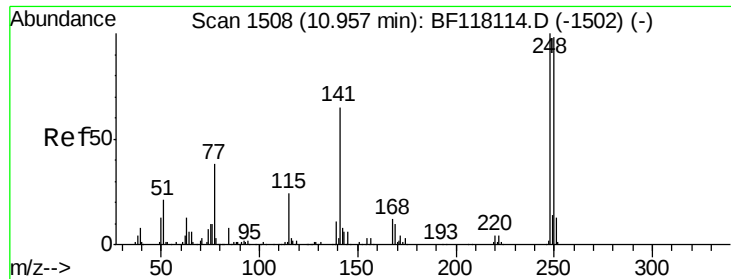
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#66
n-Nitrosodiphenylamine
Concen: 39.111 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	702743		
168	67.6	53.4	80.2	
167	35.5	28.4	42.6	





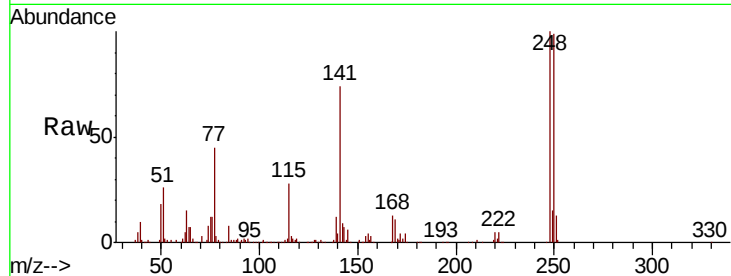
#67
4-Bromophenyl-phenylether
Concen: 37.267 ng
RT: 10.95 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

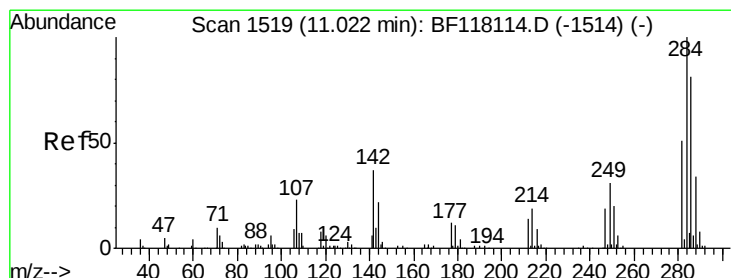
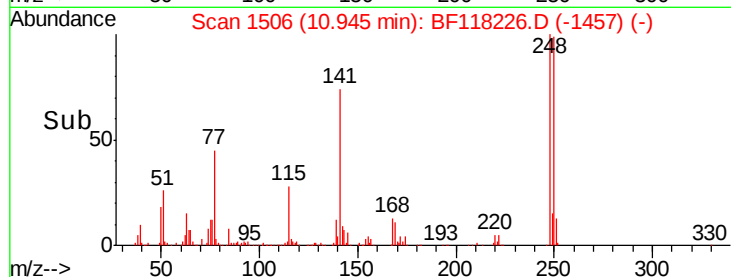
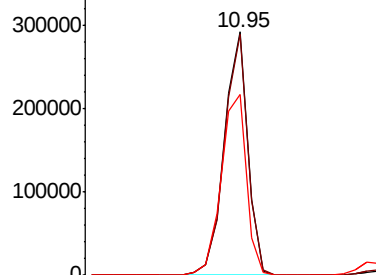
Tot Ion	Ratio	Lower	Upper
248	100		
250	99.2	78.3	117.5
141	74.3	52.2	78.4

Manual Integrations
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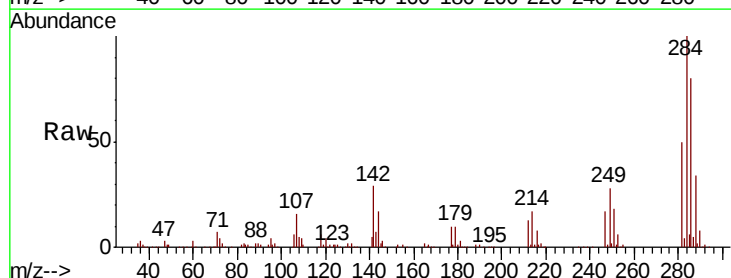


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

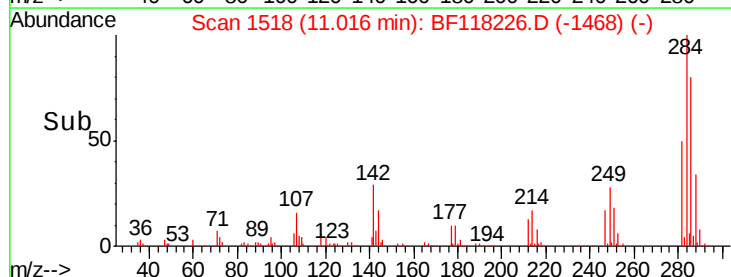
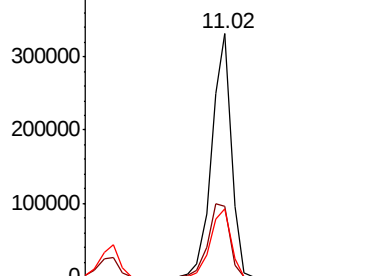


#68
Hexachlorobenzene
Concen: 36.198 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.1	29.7	44.5#
249	28.2	24.6	37.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





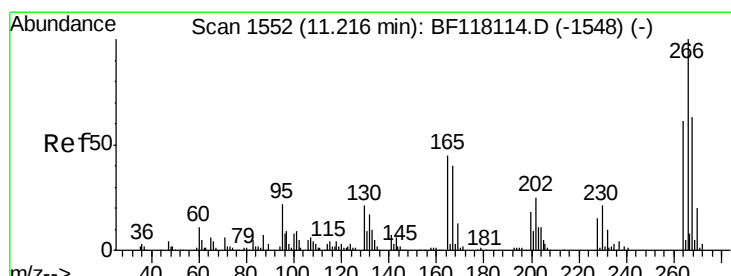
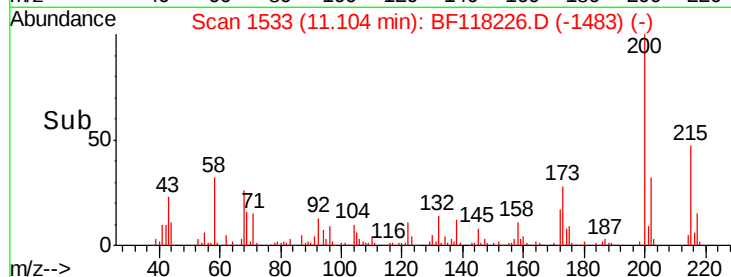
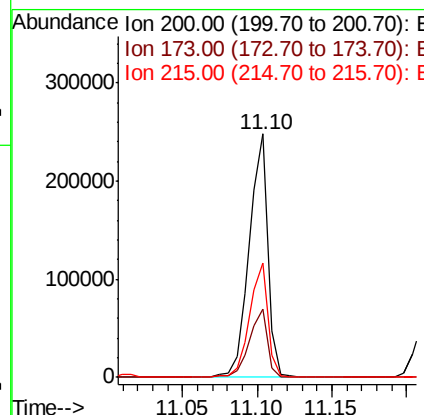
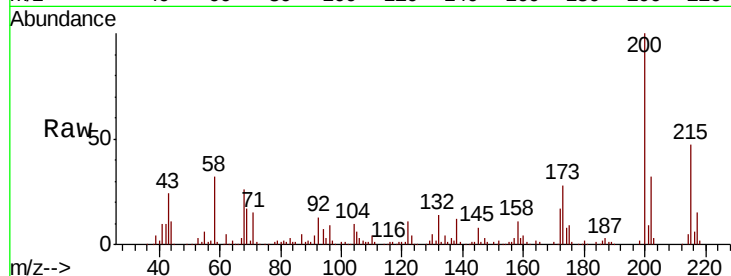
#69
Atrazine
Concen: 44.568 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.9	8.1	48.1
215	47.1	29.0	69.0

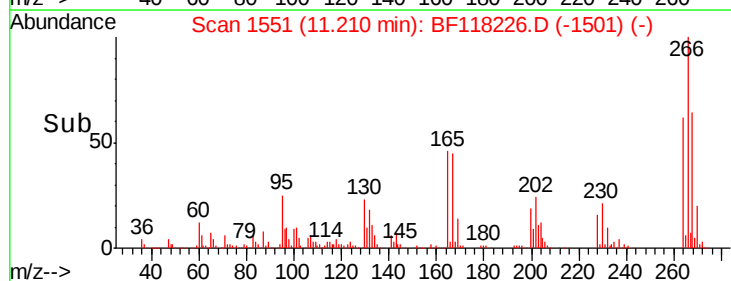
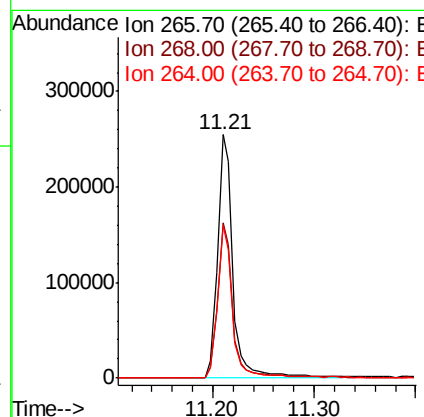
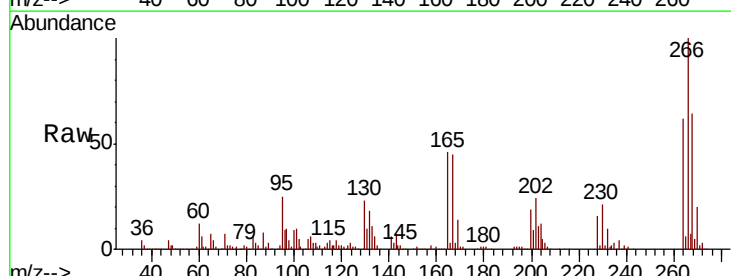
Manual Integrations
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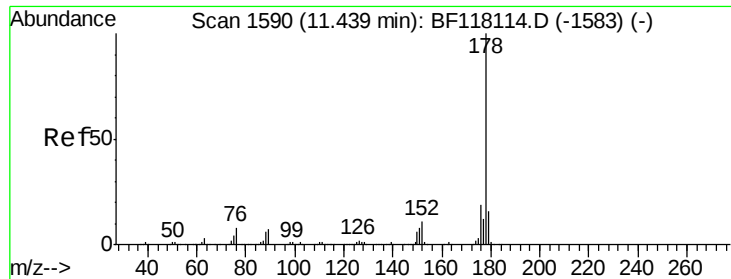
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#70
Pentachlorophenol
Concen: 74.380 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.6	50.7	76.1
264	62.5	48.7	73.1





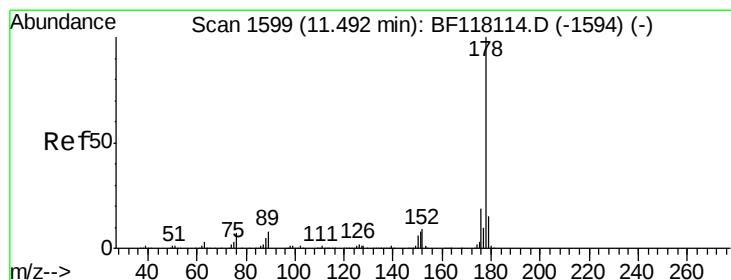
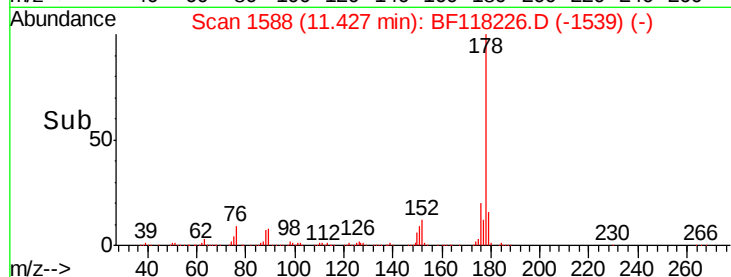
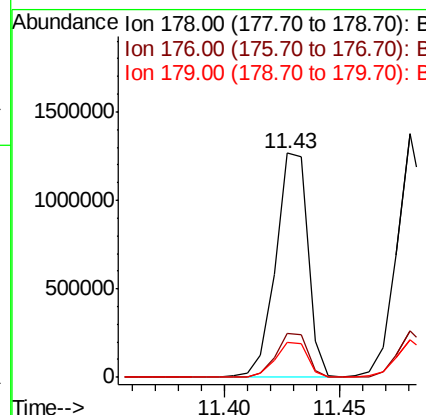
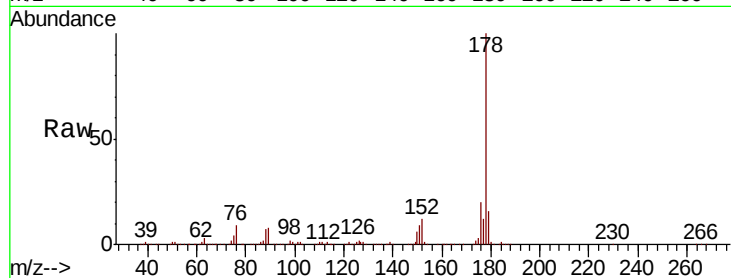
#71
Phenanthrene
Concen: 40.101 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion:178 Resp: 1226545
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.9 12.6 18.8

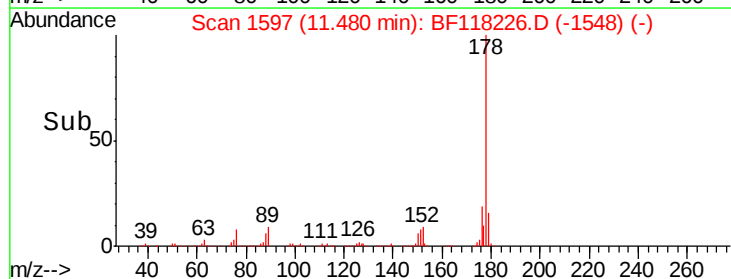
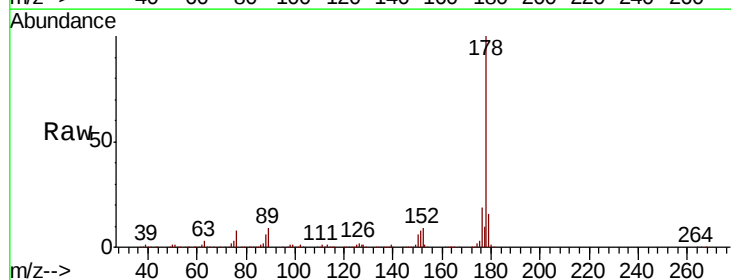
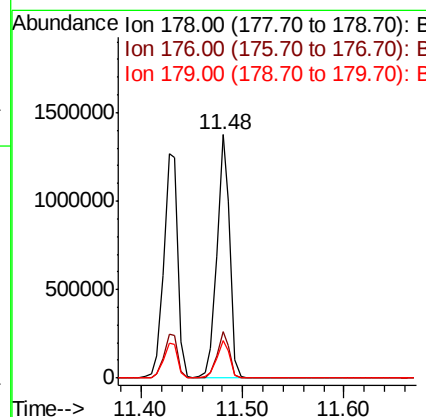
Manual Integrations
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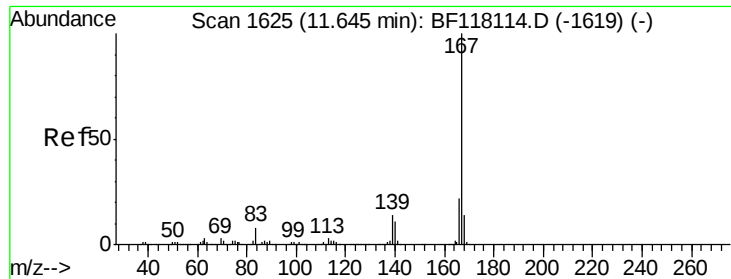
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#72
Anthracene
Concen: 39.456 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion:178 Resp: 1203893
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.6 12.2 18.4





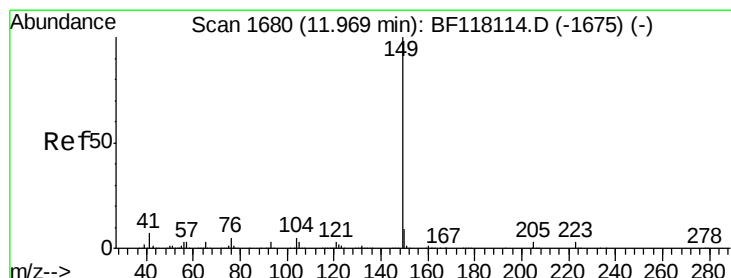
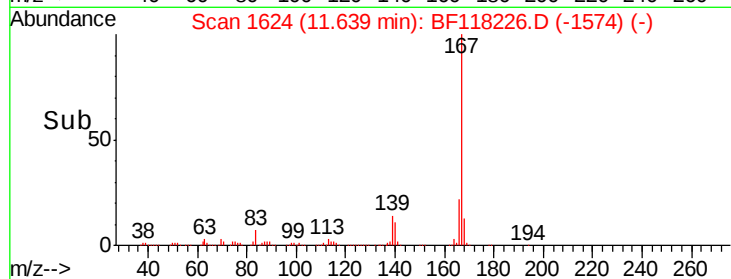
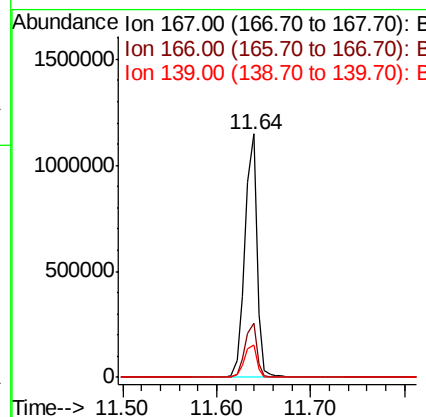
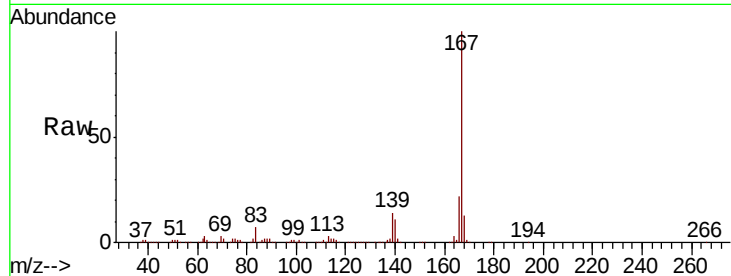
#73
 Carbazole
 Concen: 37.807 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF118226.D
 Acq: 17 Dec 2019 15:02

Instrument :
 BNA_F
 ClientSampleId :
 42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.2
139	13.5	11.4	17.0

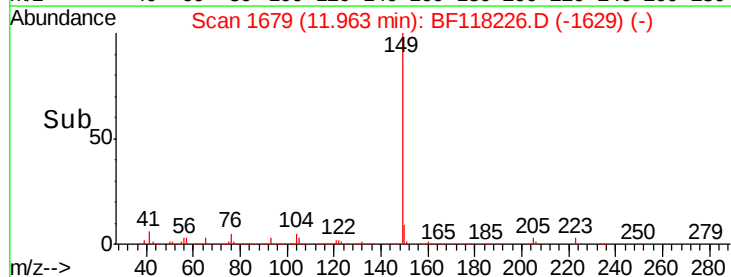
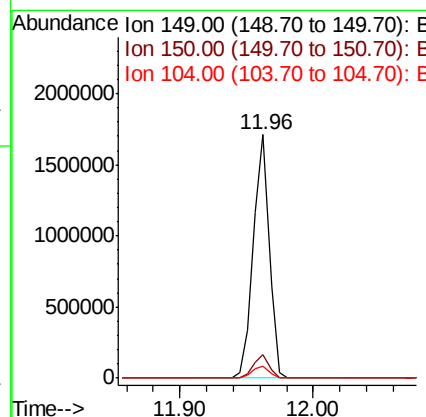
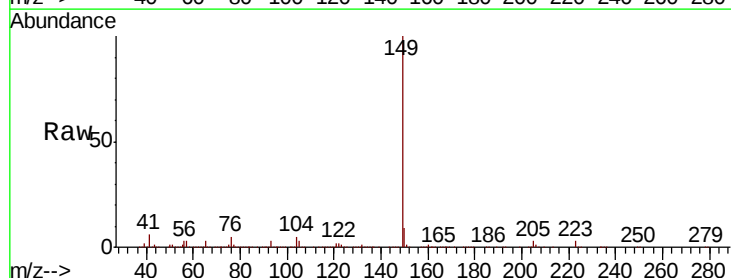
Manual Integrations
 APPROVED

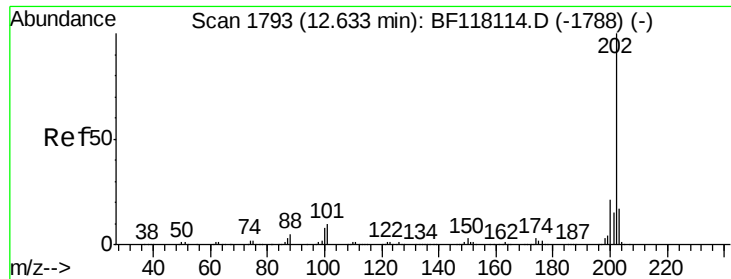
mohammad
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#74
 Di-n-butylphthalate
 Concen: 40.765 ng
 RT: 11.96 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: BF118226.D
 Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	4.9	4.3	6.5





#75

Fluoranthene

Concen: 41.876 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

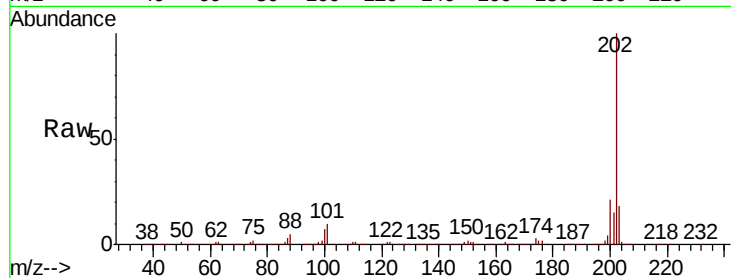
ClientSampleId :

42-SPRUCEMS

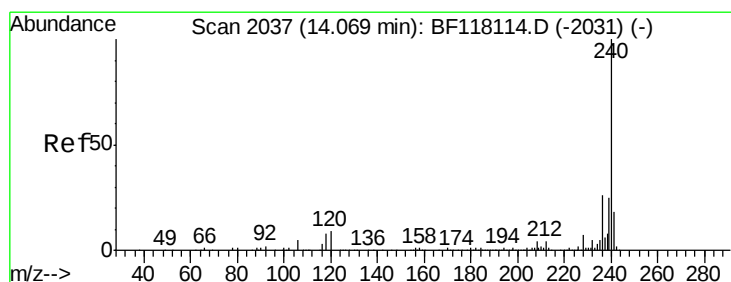
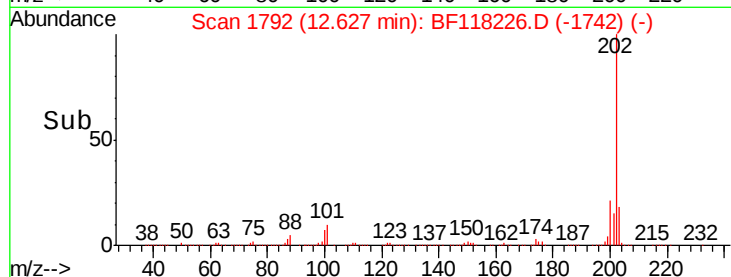
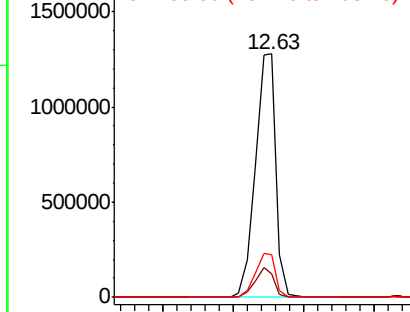
Tot Ion:	202	Resp:	1309545
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	30.4
203	17.7	0.0	37.2

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



#76

Chrysene-d12

Concen: 20.000 ng

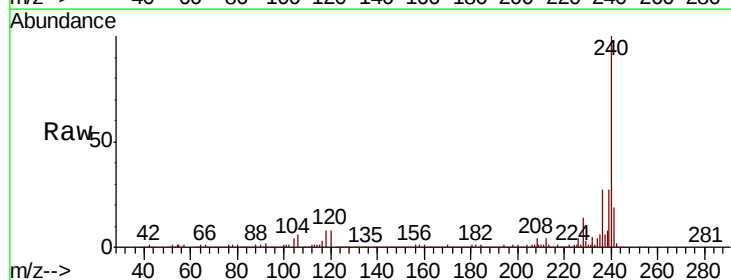
RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

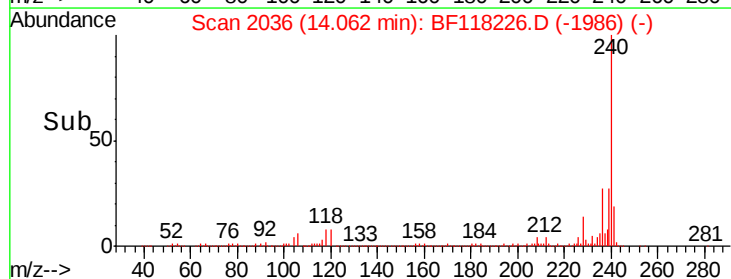
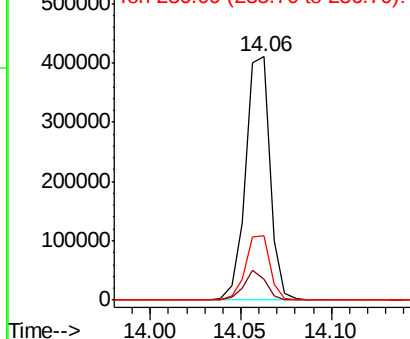
Lab File: BF118226.D

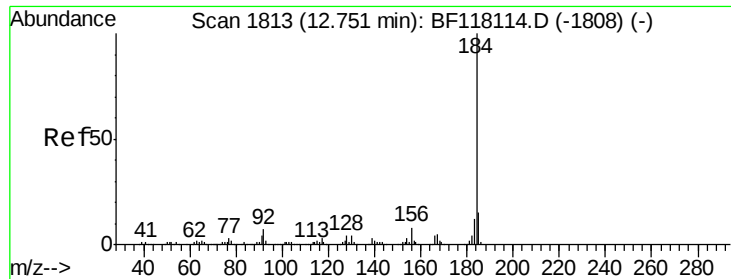
Acq: 17 Dec 2019 15:02

Tgt Ion:	240	Resp:	384526
Ion Ratio	Lower	Upper	
240	100		
120	8.3	7.1	10.7
236	26.5	21.0	31.6



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





#77

Benzidine

Concen: 22.826 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

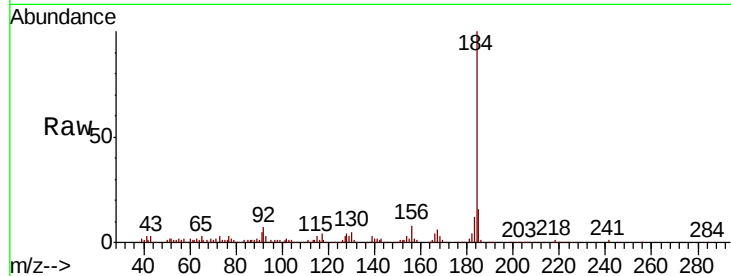
ClientSampleId :

42-SPRUCEMS

Tot Ion:	184	Resp:	231059
Ion Ratio	Lower	Upper	
184	100		
185	16.0	12.3	18.5
183	12.0	9.9	14.9

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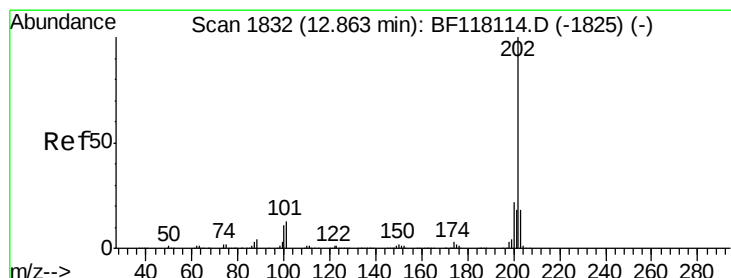
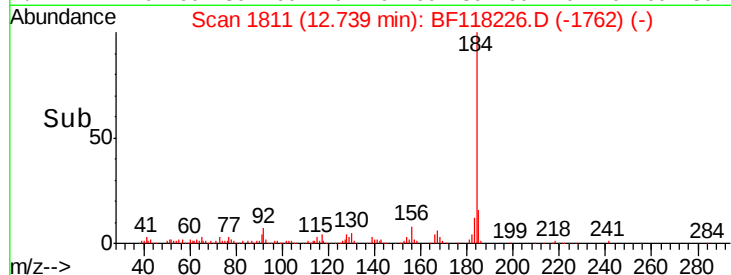
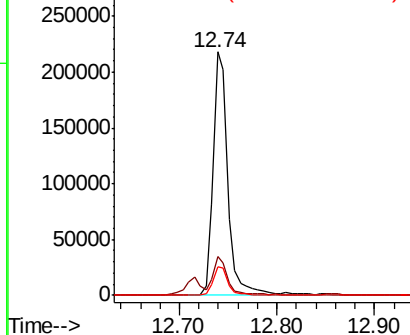


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.389 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

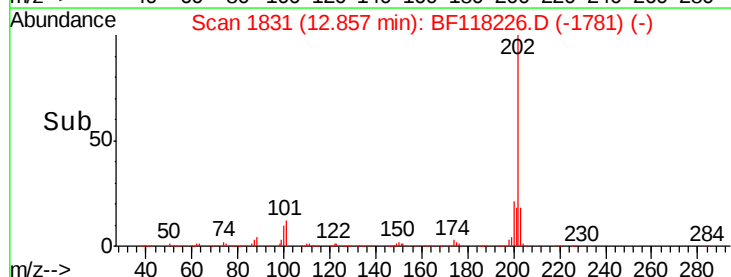
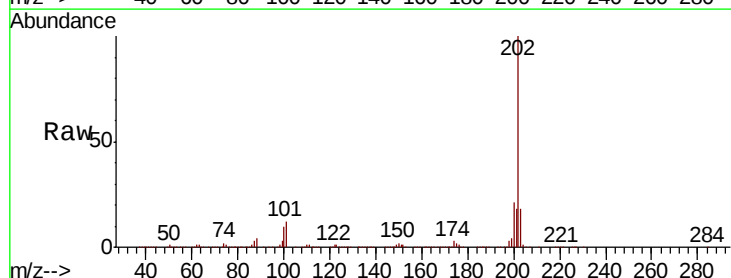
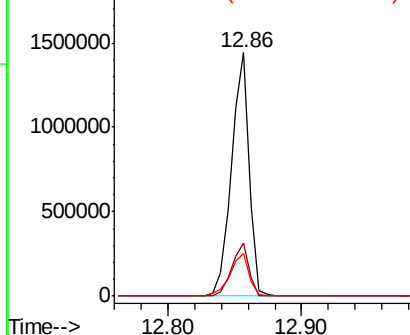
Tgt Ion:	202	Resp:	1345100
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.5	26.3
203	17.8	14.6	21.8

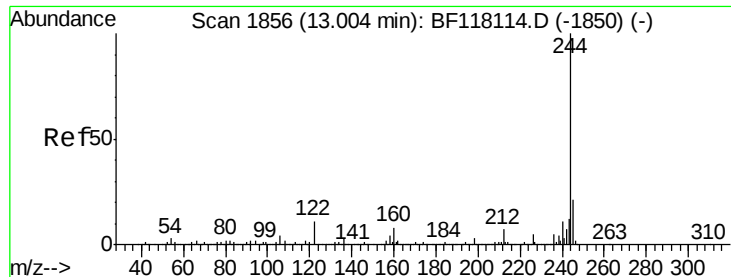
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





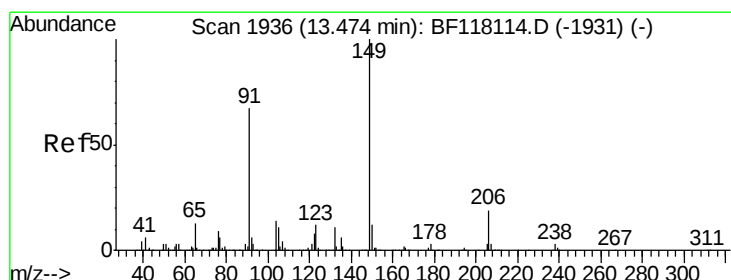
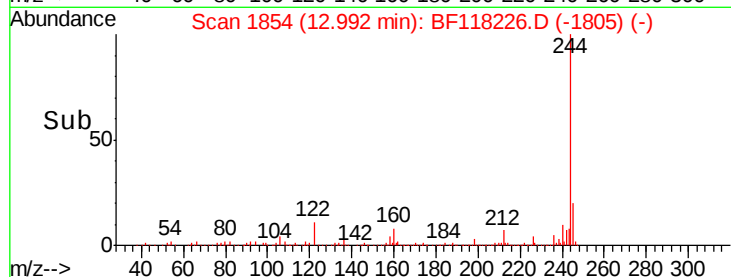
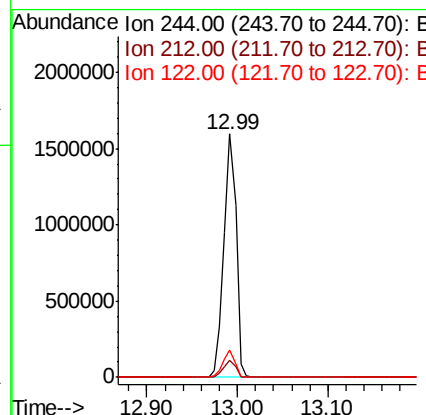
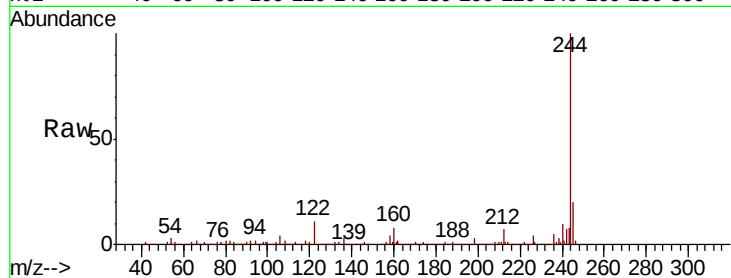
#79
 Terphenyl-d14
 Concen: 65.846 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF118226.D
 Acq: 17 Dec 2019 15:02

Instrument :
 BNA_F
 ClientSampleId :
 42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	11.4	9.0	13.6

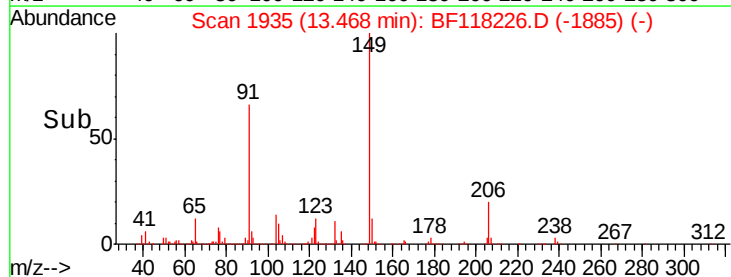
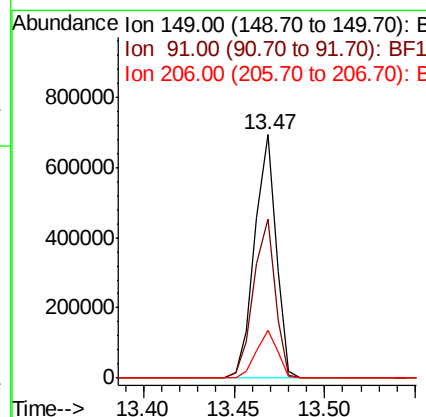
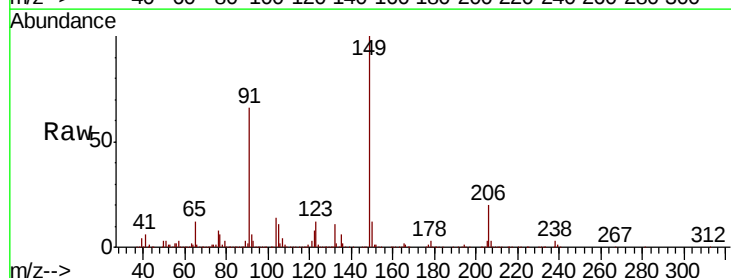
Manual Integrations
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#80
 Butylbenzylphthalate
 Concen: 41.904 ng
 RT: 13.47 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: BF118226.D
 Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.6	53.9	80.9
206	19.5	15.2	22.8





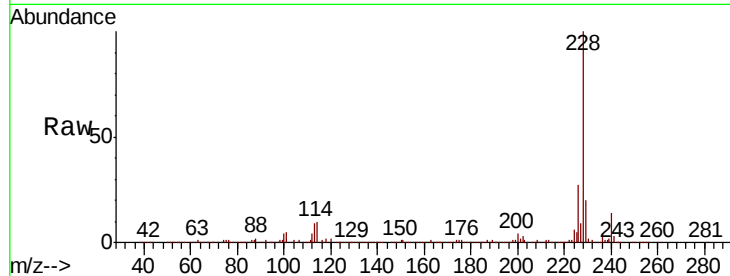
#81
Benzo(a)anthracene
Concen: 40.177 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleID :
42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	19.8	15.8	23.8

Manual Integrations
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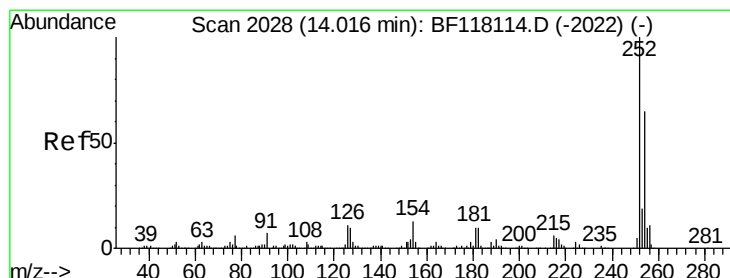
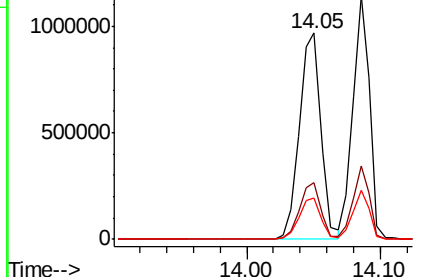
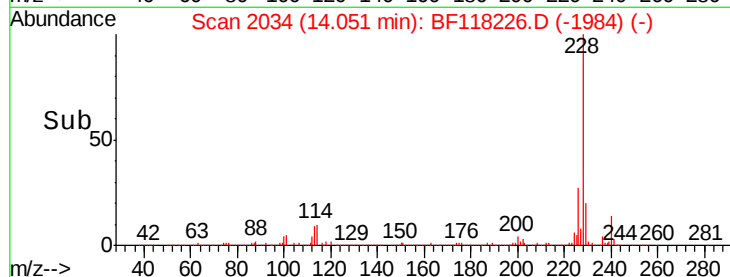


Abundance

Ion 228.00 (227.70 to 228.70): E

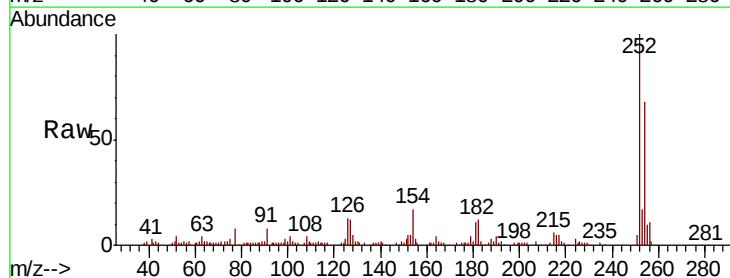
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 12.112 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
252	100		
254	68.2	52.2	78.4
126	12.8	8.6	13.0

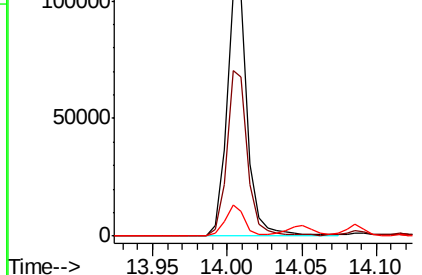
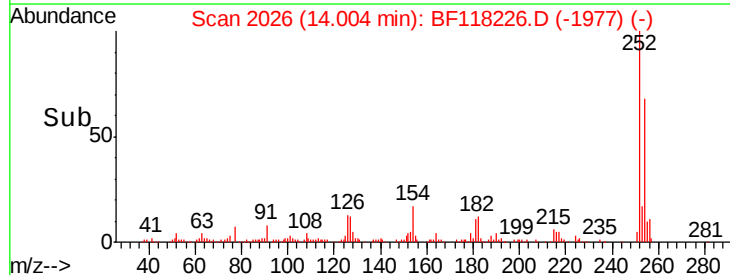


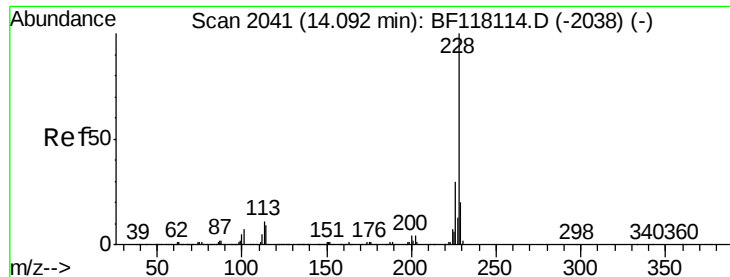
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





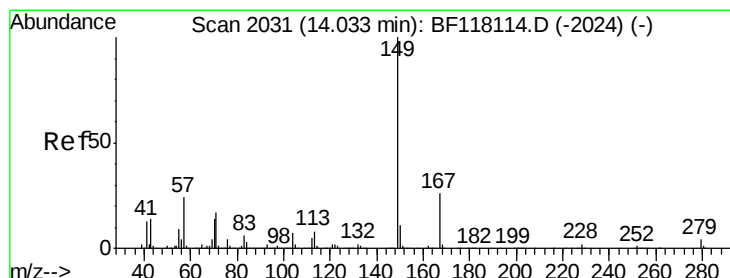
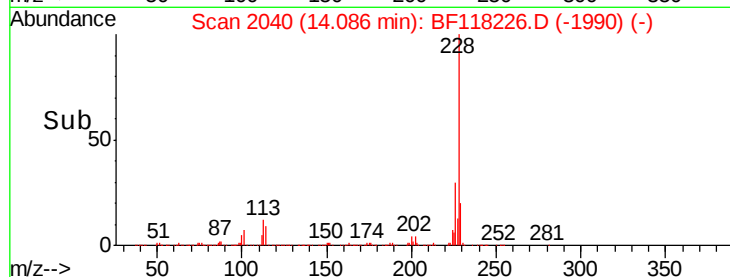
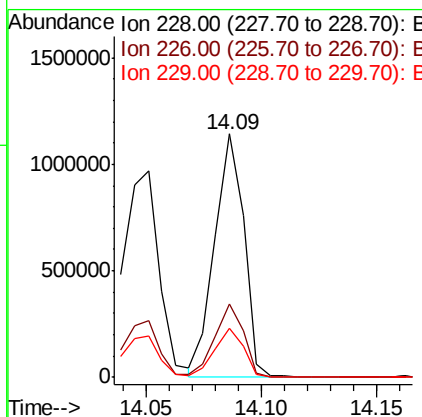
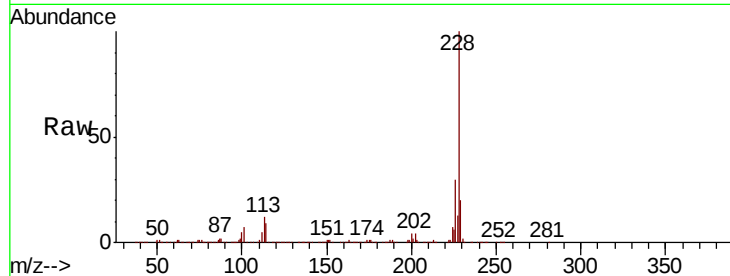
#83
Chrysene
Concen: 39.677 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	20.1	15.7	23.5

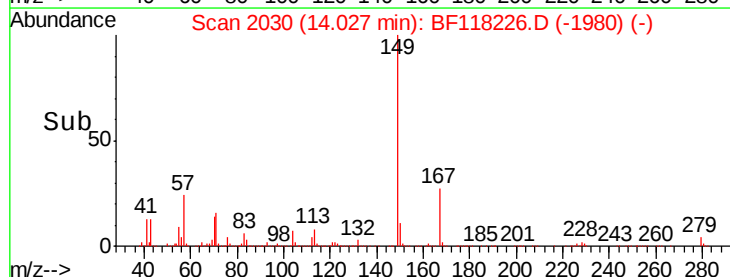
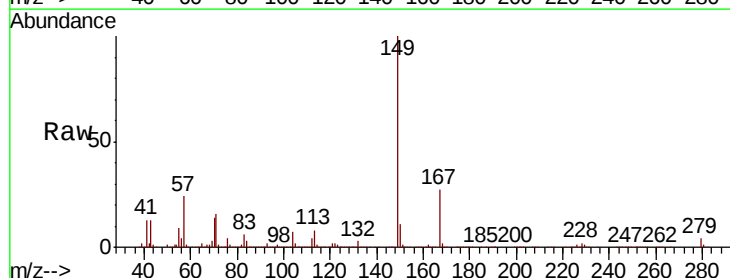
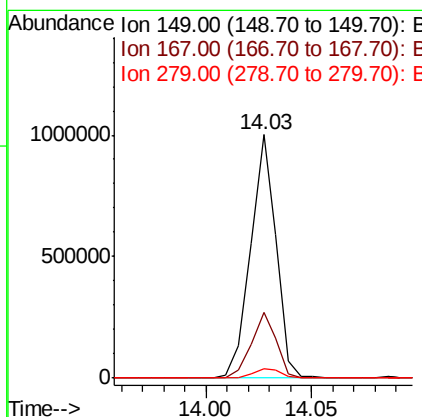
Manual Integrations
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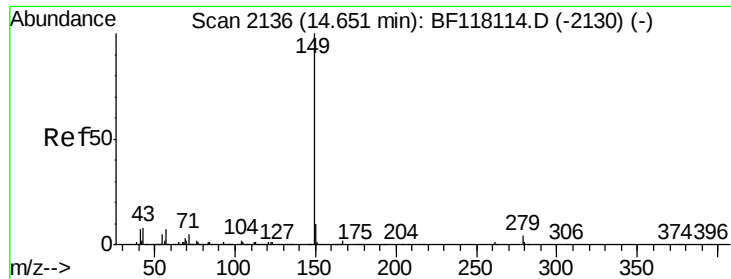
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 46.563 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.8	31.2
279	3.9	2.9	4.3





#85

Di-n-octyl phthalate

Concen: 47.351 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

ClientSampleId :

42-SPRUCEMS

Tot Ion:149 Resp: 1297977

Ion Ratio Lower Upper

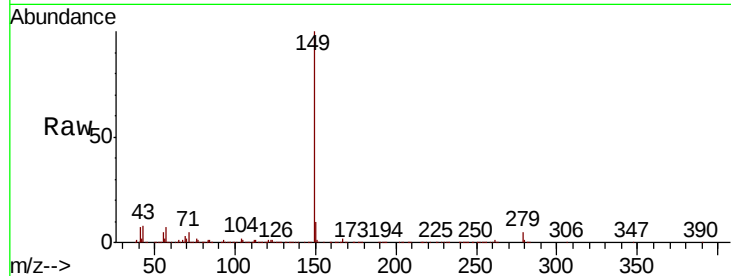
149 100

167 1.6 1.3 1.9

43 8.1 6.5 9.7

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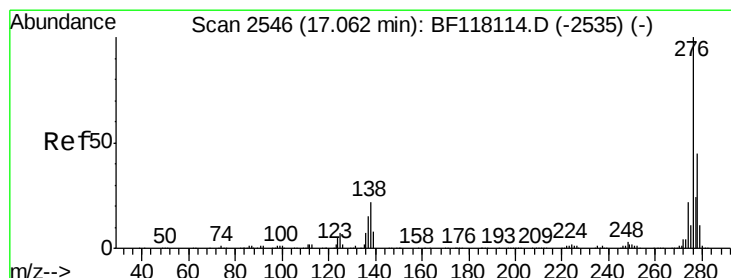
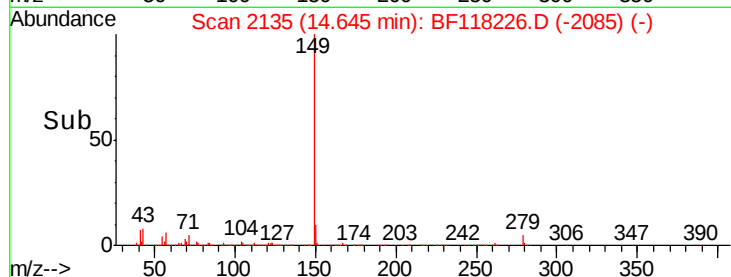
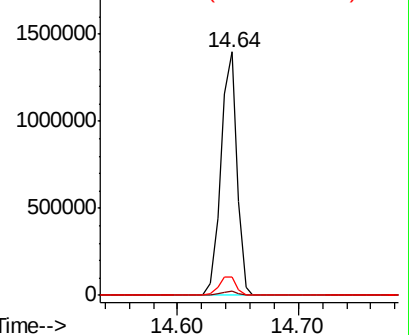
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 41.086 ng

RT: 17.06 min Scan# 2546

Delta R.T. -0.00 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

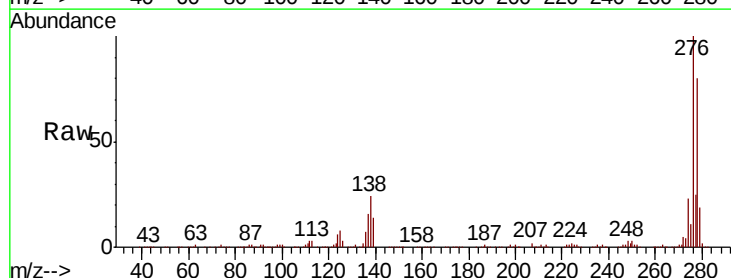
Tgt Ion:276 Resp: 878011

Ion Ratio Lower Upper

276 100

138 23.1 18.9 28.3

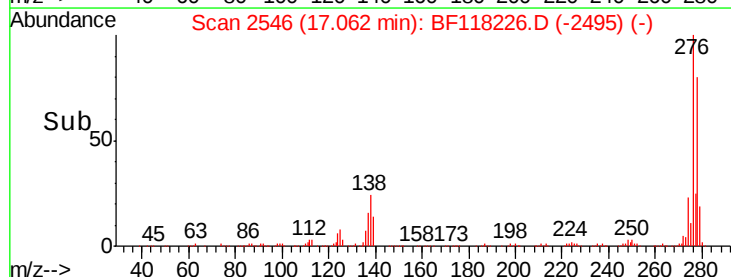
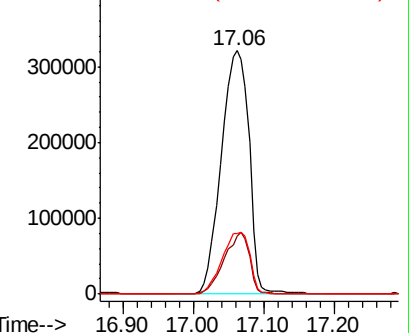
277 25.5 20.4 30.6

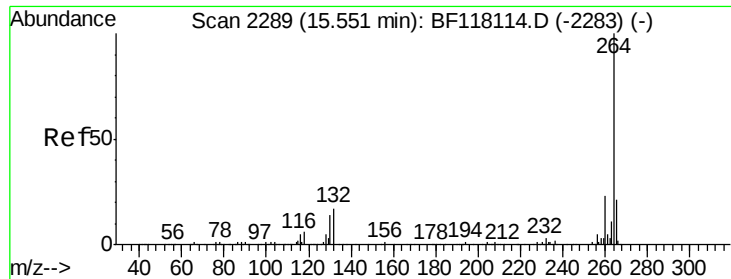


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Instrument :

BNA_F

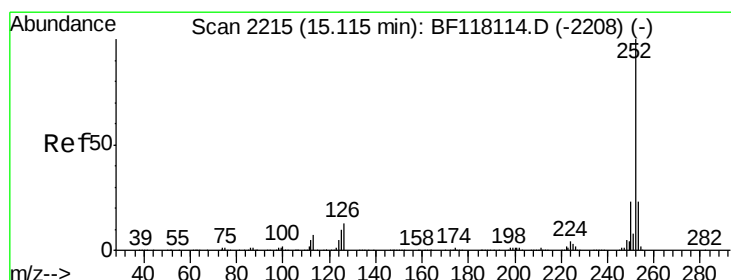
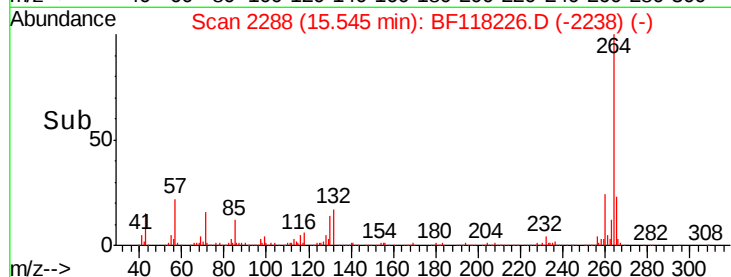
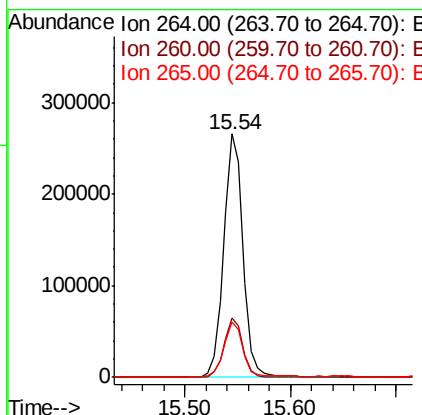
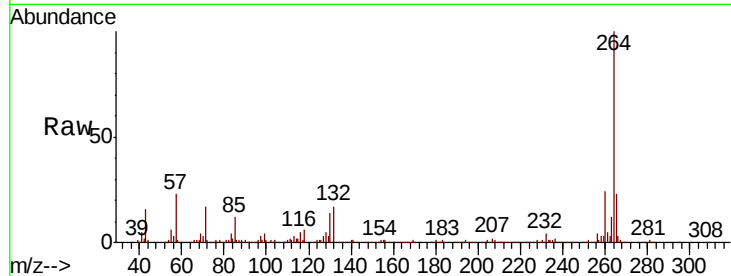
ClientSampleId :

42-SPRUCEMS

Tot Ion:	264	Resp:	336410
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.6	28.0
265	22.6	16.8	25.2

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 42.165 ng

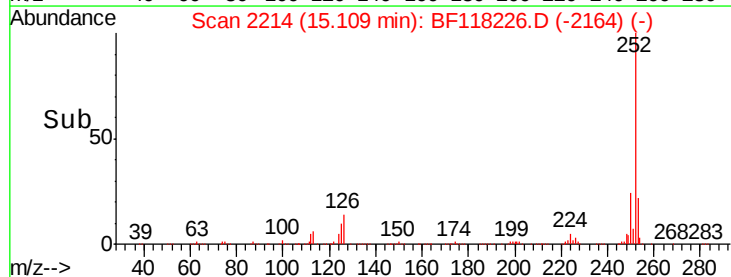
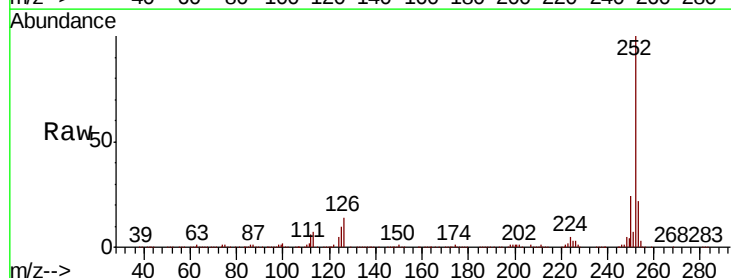
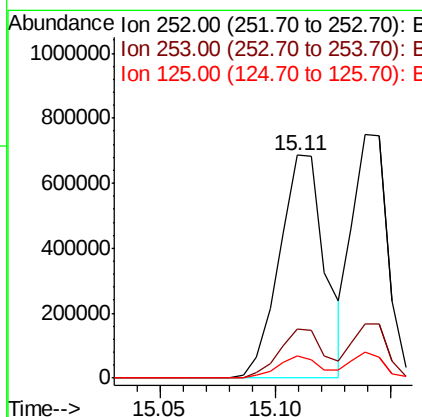
RT: 15.11 min Scan# 2214

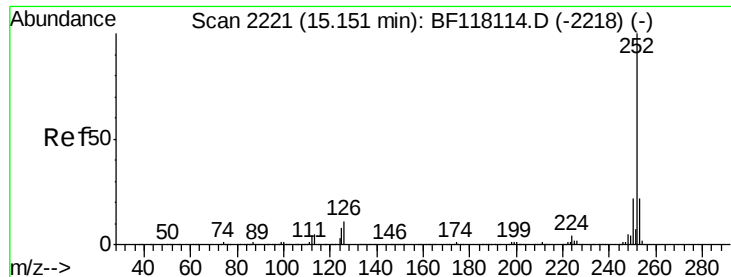
Delta R.T. -0.01 min

Lab File: BF118226.D

Acq: 17 Dec 2019 15:02

Tgt Ion:	252	Resp:	938133
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.2	27.4
125	10.1	8.3	12.5





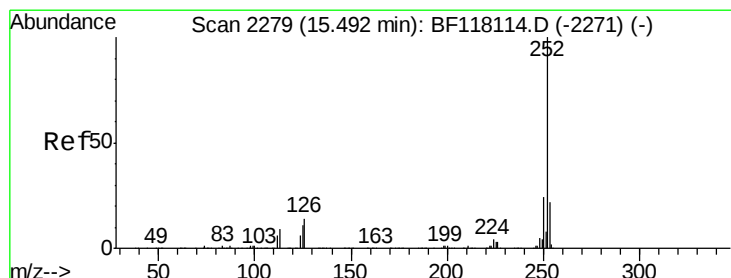
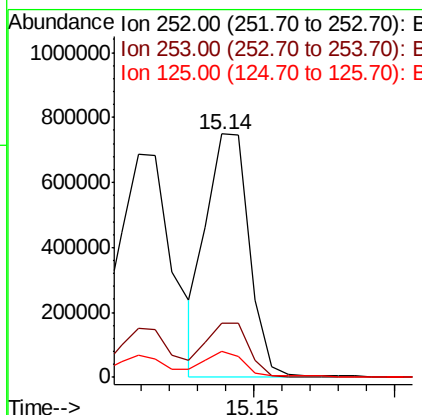
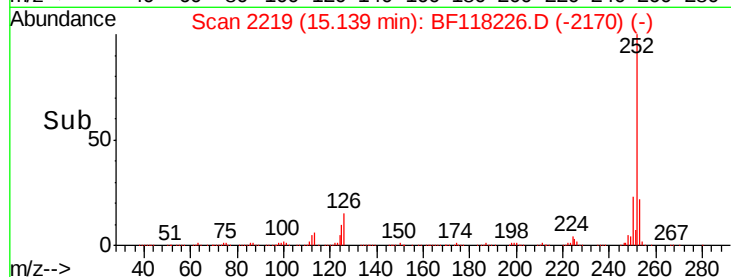
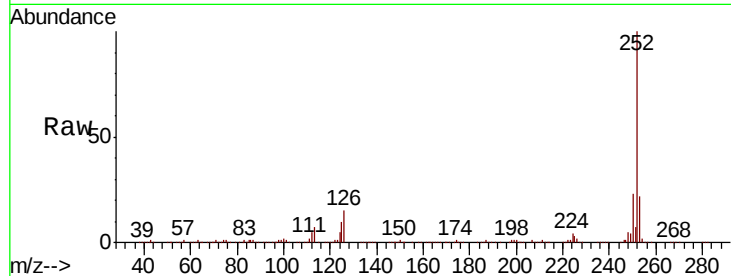
#89
Benzo(k)fluoranthene
Concen: 37.219 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	10.5	6.7	10.1

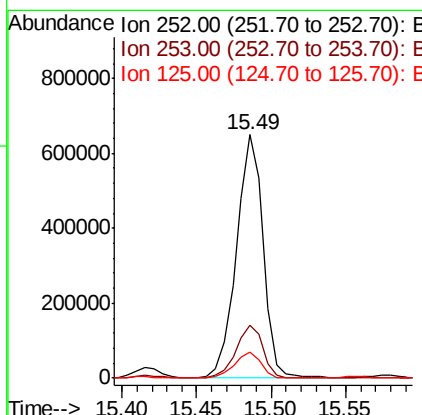
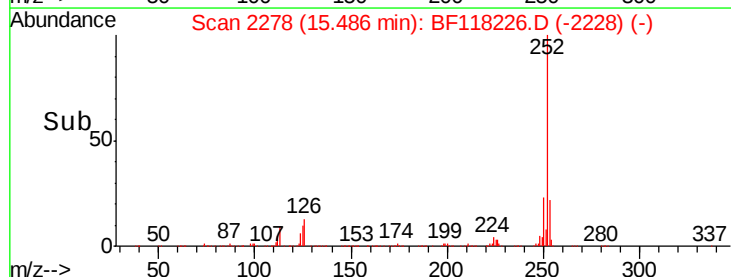
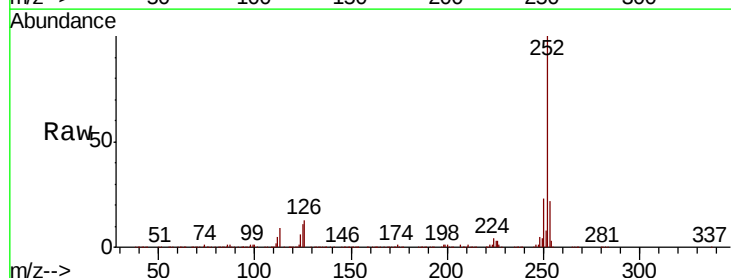
Manual Integrations
APPROVED

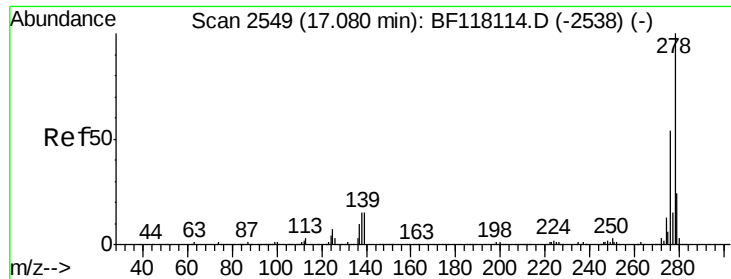
mohammad
12/18/2019 2:41:06 PM



#90
Benzo(a)pyrene
Concen: 41.035 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.5	9.1	13.7





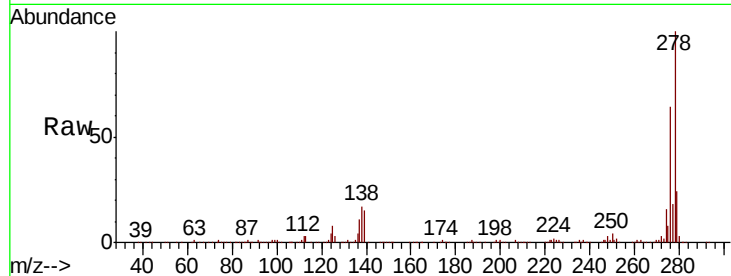
#91
Dibenzo(a,h)anthracene
Concen: 42.674 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Instrument :
BNA_F
ClientSampleId :
42-SPRUCEMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.5	11.7	17.5
279	24.2	19.0	28.4

Manual Integrations
APPROVED

mohammad
12/18/2019 2:41:06 PM

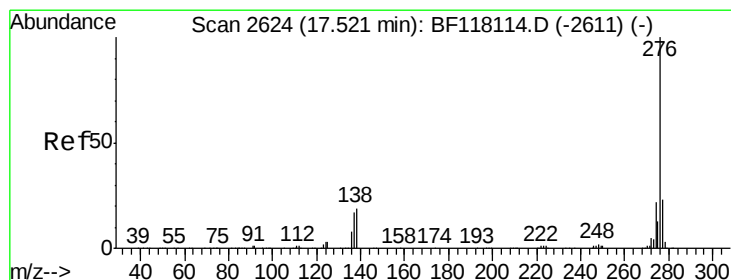
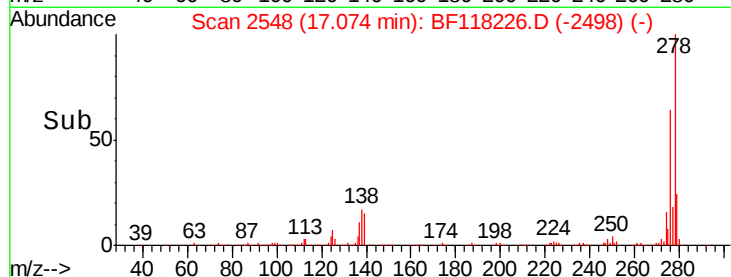
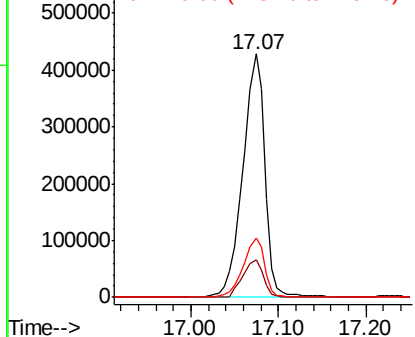


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 44.089 ng
RT: 17.52 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF118226.D
Acq: 17 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.2	27.4
138	20.2	15.5	23.3

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

