

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122213.D
 Acq On : 31 Oct 2020 10:40
 Operator : JU/CG
 Sample : L4568-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RECLAMATION-PIT

Quant Time: Nov 01 23:51:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

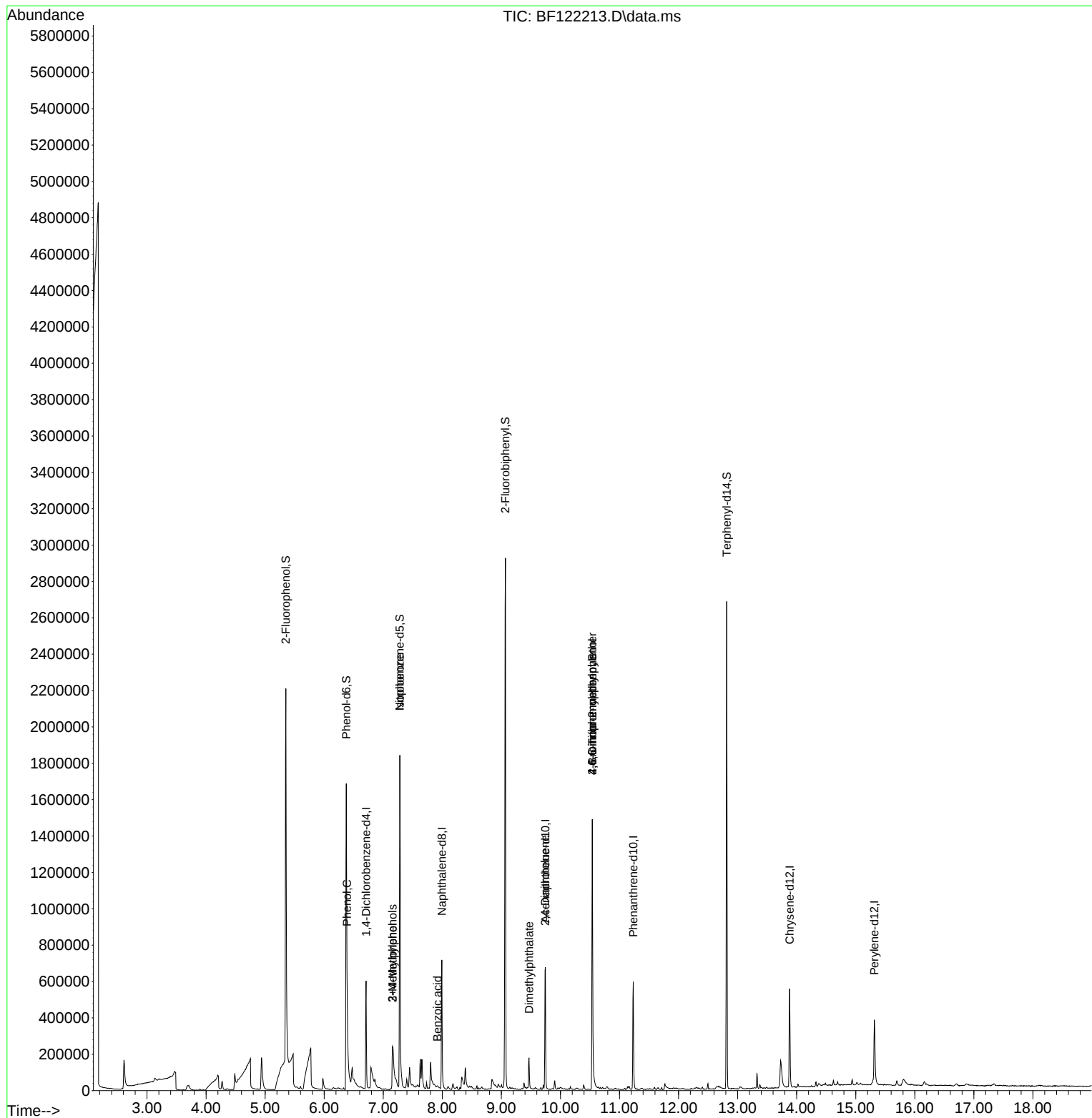
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	88298	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	322821	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	142942	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	217942	20.00	ng	0.00
76) Chrysene-d12	13.880	240	195475	20.00	ng	0.00
86) Perylene-d12	15.315	264	186014	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	682826	114.14	ng	0.02
7) Phenol-d6	6.375	99	750415	97.44	ng	0.00
23) Nitrobenzene-d5	7.281	82	607539	96.52	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	202916	114.76	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	952808	98.08	ng	0.00
79) Terphenyl-d14	12.816	244	777621	75.81	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.375	77	1504	Below Cal	#	3
10) Phenol	6.387	94	56206	7.07	ng	88
17) 2-Methylphenol	7.157	107	110844	21.44	ng	# 69
20) 3+4-Methylphenols	7.157	107	115026	18.45	ng	# 51
25) Isophorone	7.281	82	607530	51.04	ng	# 67
32) Benzoic acid	7.916	122	5338	9.17	ng	# 82
50) Dimethylphthalate	9.469	163	72281	6.92	ng	99
57) 2,4-Dinitrotoluene	9.739	165	18034	6.39	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.539	198	146	4.52	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	11974	4.76	ng	# 1

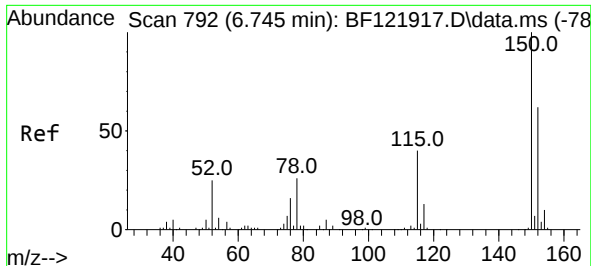
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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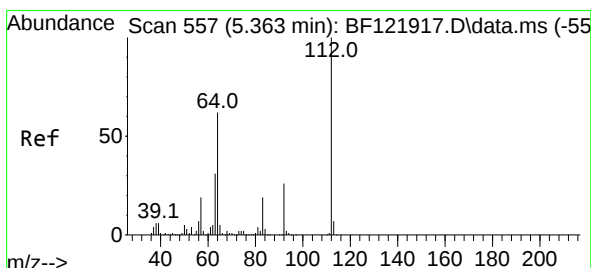
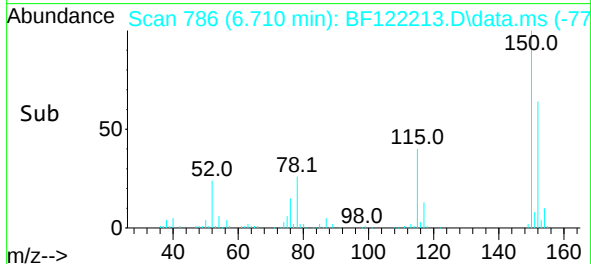
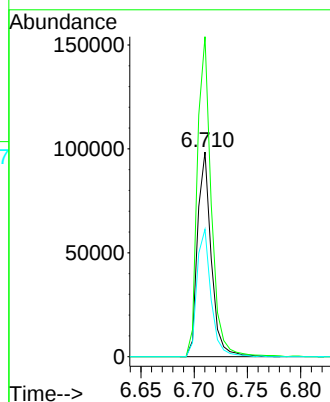
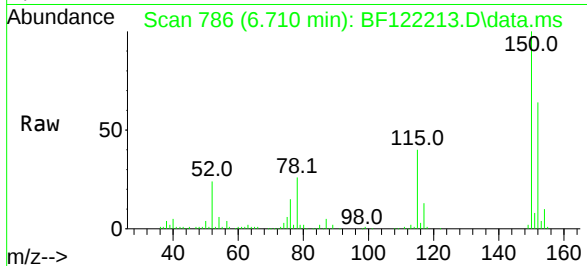




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

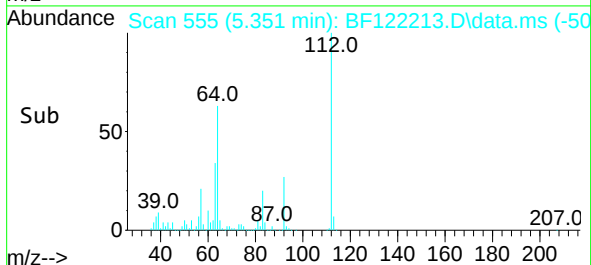
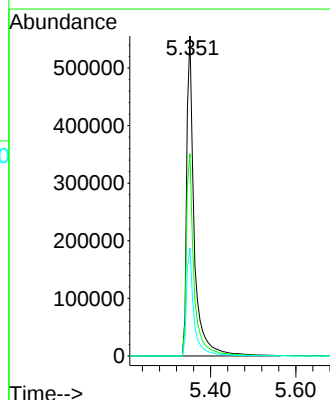
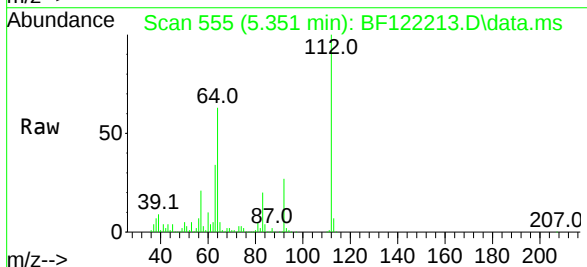
Instrument :
BNA_F
ClientSampleId :
RECLAMATION-PIT

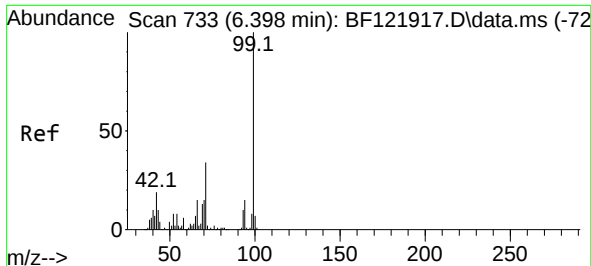
Tgt Ion:152 Resp: 88298
Ion Ratio Lower Upper
152 100
150 156.4 125.3 187.9
115 62.3 51.9 77.9



#5
2-Fluorophenol
Concen: 114.14 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.018 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Tgt Ion:112 Resp: 682826
Ion Ratio Lower Upper
112 100
64 63.2 50.4 75.6
63 33.7 25.8 38.6

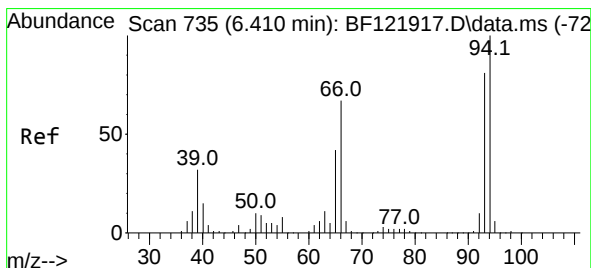
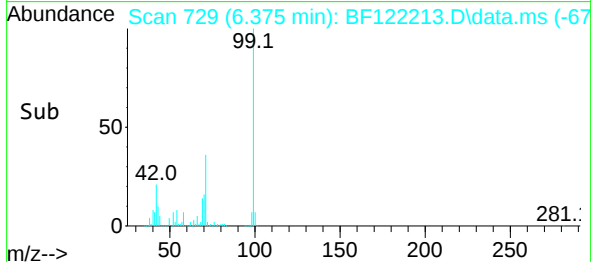
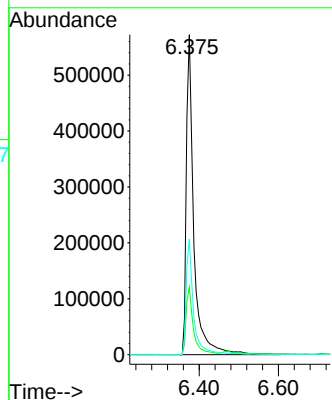
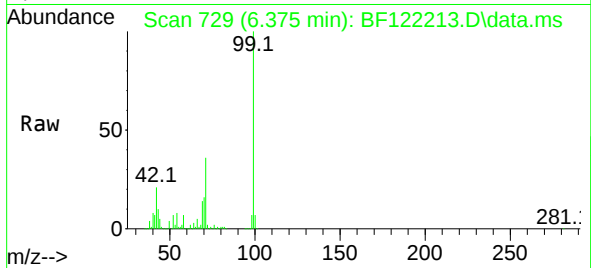




#7
Phenol-d6
Concen: 97.44 ng
RT: 6.375 min Scan# 729
Delta R.T. 0.006 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

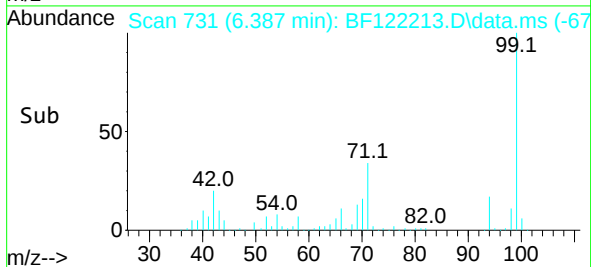
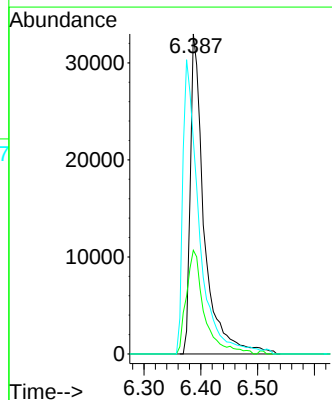
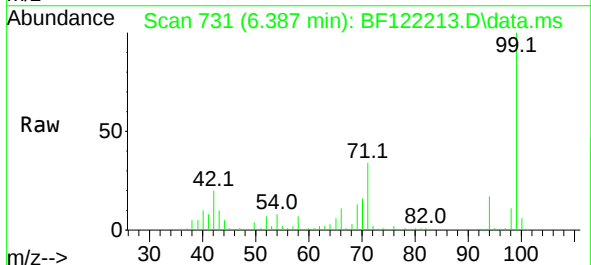
Instrument :
BNA_F
ClientSampleId :
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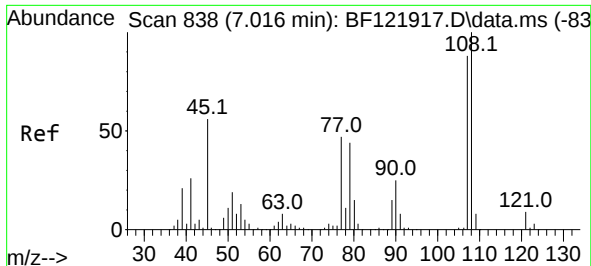
Tgt Ion: 99 Resp: 750415
Ion Ratio Lower Upper
99 100
42 21.2 15.9 23.9
71 36.1 27.1 40.7



#10
Phenol
Concen: 7.07 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Tgt Ion: 94 Resp: 56206
Ion Ratio Lower Upper
94 100
65 32.4 17.1 57.1
66 66.9 36.0 76.0

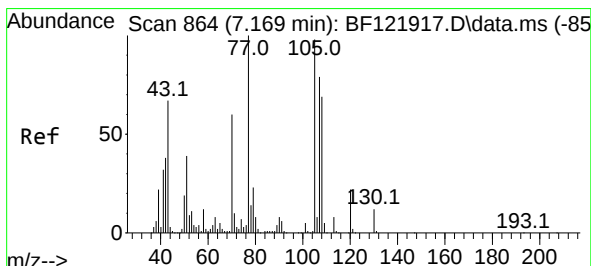
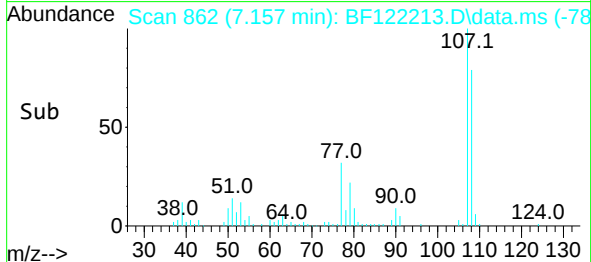
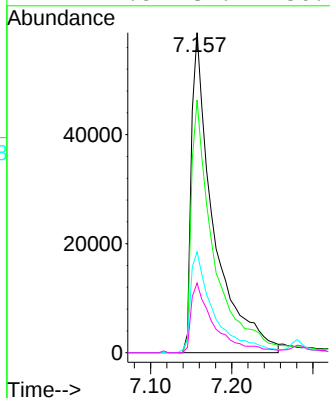
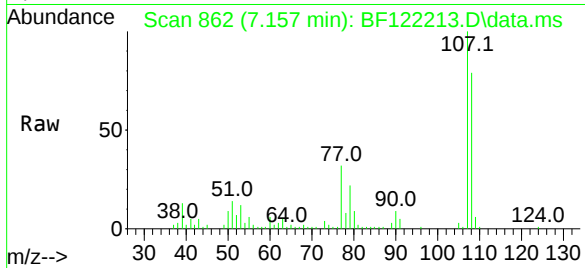




#17
2-Methylphenol
Concen: 21.44 ng
RT: 7.157 min Scan# 862
Delta R.T. 0.171 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

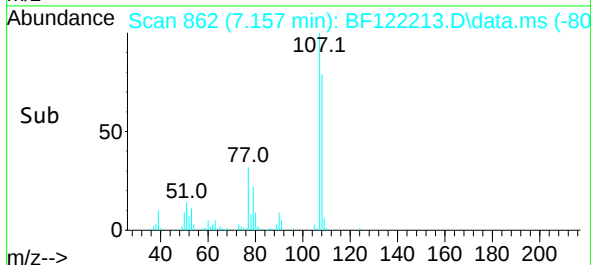
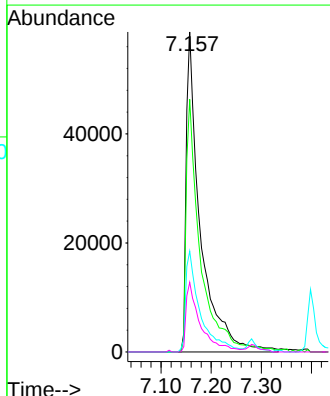
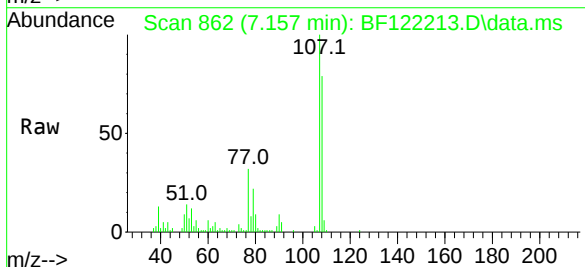
Instrument :
BNA_F
ClientSampleId :
RECLAMATION-PIT

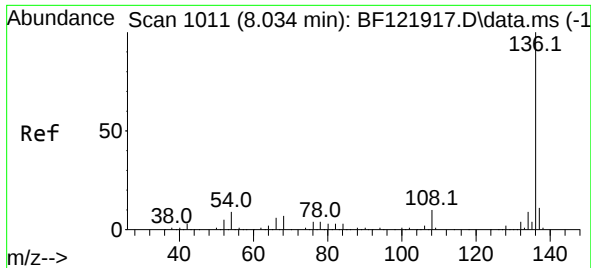
Tgt Ion:107 Resp: 110844
Ion Ratio Lower Upper
107 100
108 79.0 90.9 136.3#
77 31.5 37.5 56.3#
79 21.8 37.4 56.0#



#20
3+4-Methylphenols
Concen: 18.45 ng
RT: 7.157 min Scan# 862
Delta R.T. 0.012 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Tgt Ion:107 Resp: 115026
Ion Ratio Lower Upper
107 100
108 79.0 68.9 108.9
77 31.5 108.0 148.0#
79 21.8 10.5 50.5



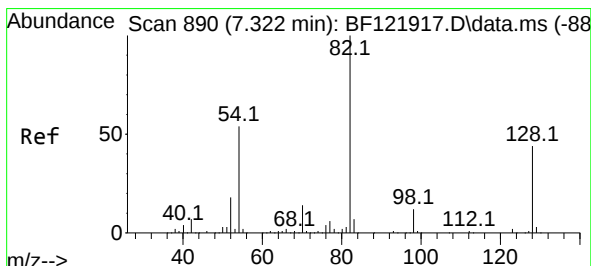
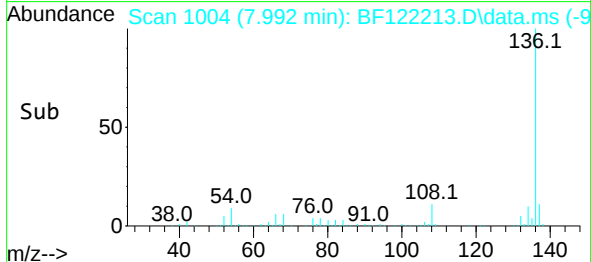
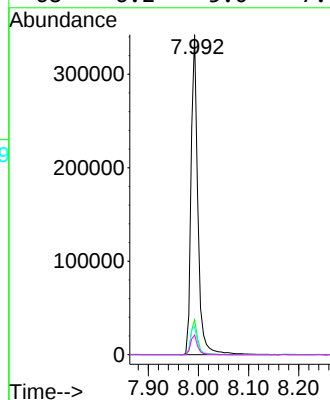
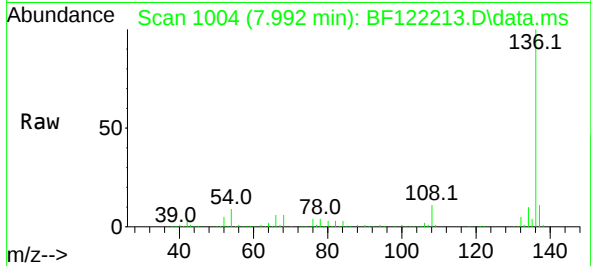


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Instrument :
BNA_F
ClientSampleId :
RECLAMATION-PIT

Tgt Ion:136 Resp: 322821

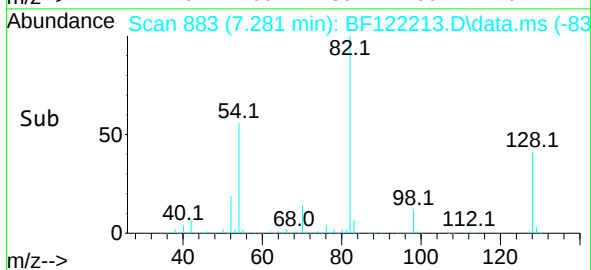
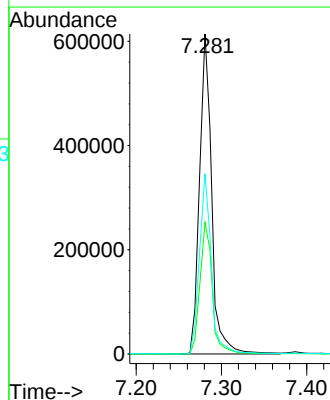
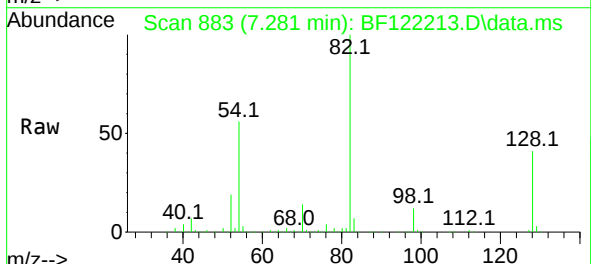
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.7	7.1	10.7
68	6.2	5.0	7.4

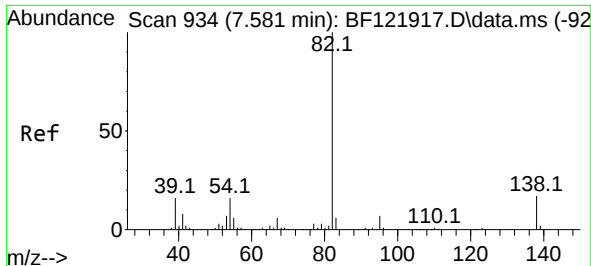


#23
Nitrobenzene-d5
Concen: 96.52 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Tgt Ion: 82 Resp: 607539

Ion	Ratio	Lower	Upper
82	100		
128	41.1	35.0	52.4
54	56.3	43.9	65.9

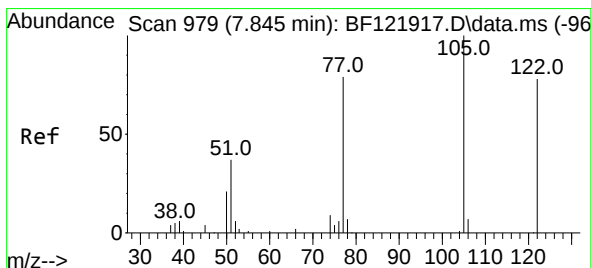
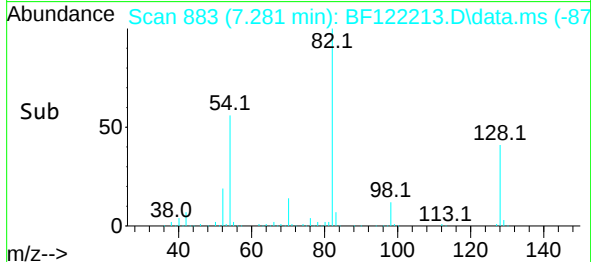
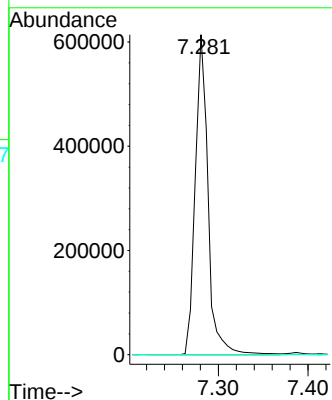
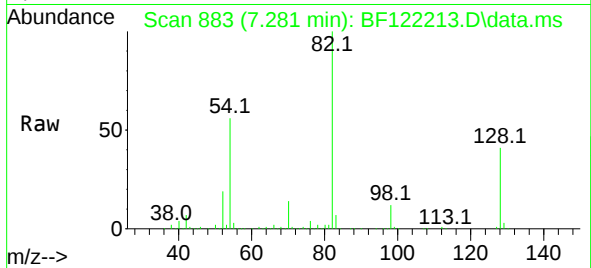




#25
Isophorone
Concen: 51.04 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.265 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

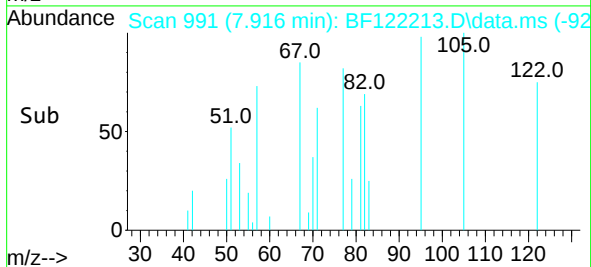
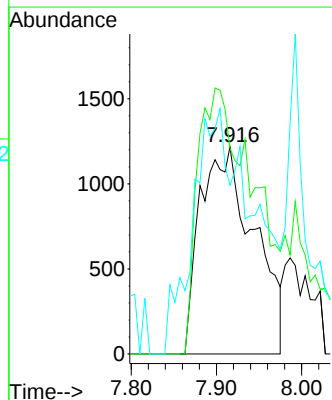
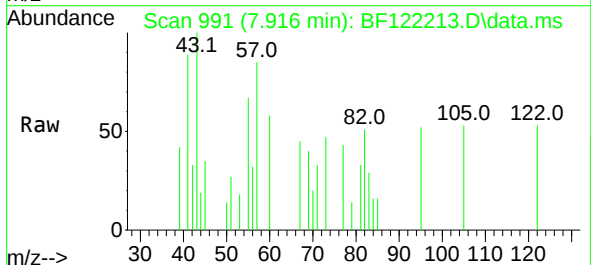
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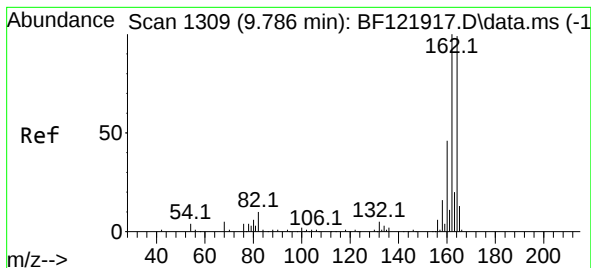
Tgt Ion: 82 Resp: 607530
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 9.17 ng
RT: 7.916 min Scan# 991
Delta R.T. 0.088 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Tgt Ion: 122 Resp: 5338
Ion Ratio Lower Upper
122 100
105 99.4 103.3 143.3#
77 81.5 73.9 113.9





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.745 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF122213.D

Acq: 31 Oct 2020 10:40

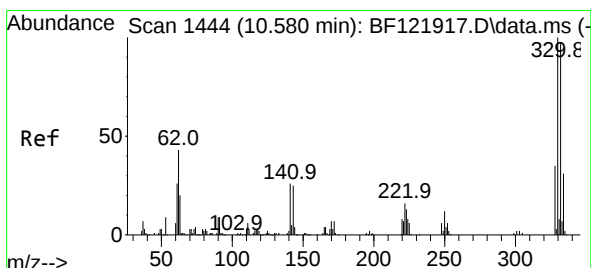
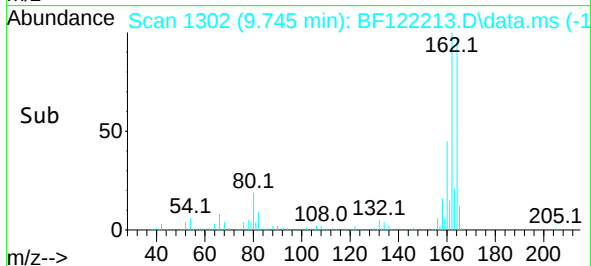
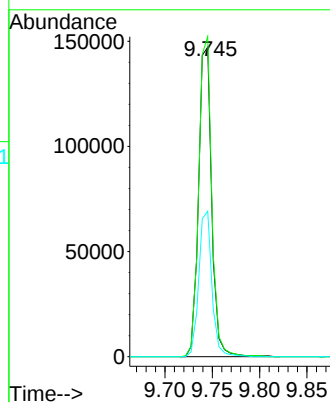
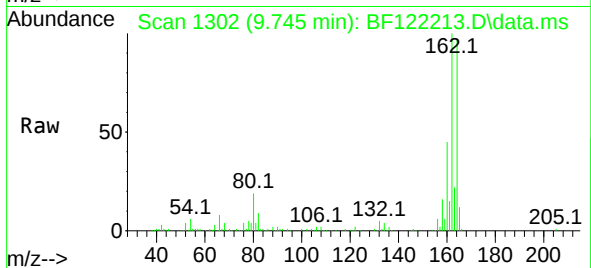
Instrument :

BNA_F

ClientSampleId :

RECLAMATION-PIT

Tgt Ion:	164	Resp:	142942
Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.2	124.8
160	47.0	37.5	56.3



#42

2,4,6-Tribromophenol

Concen: 114.76 ng

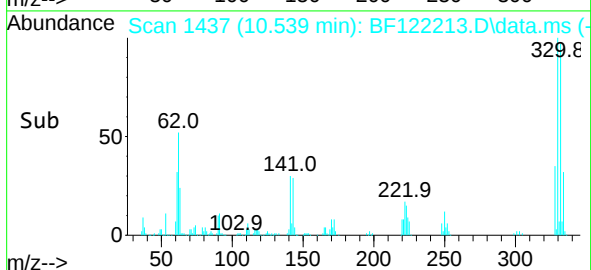
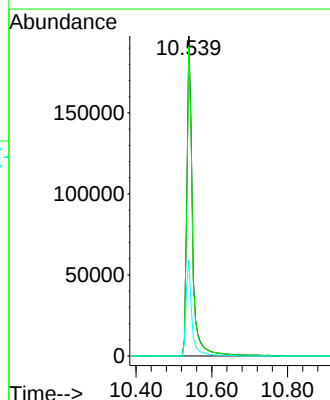
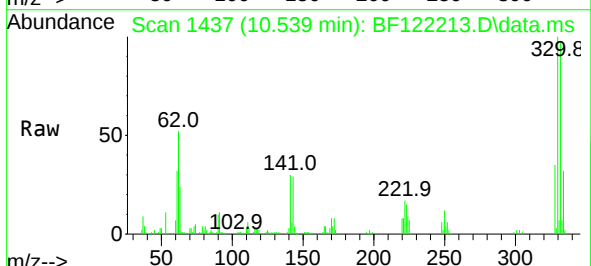
RT: 10.539 min Scan# 1437

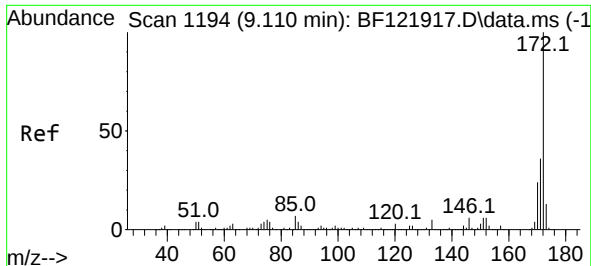
Delta R.T. -0.006 min

Lab File: BF122213.D

Acq: 31 Oct 2020 10:40

Tgt Ion:	330	Resp:	202916
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	30.6	22.3	33.5

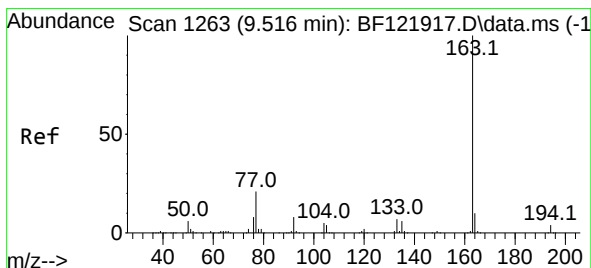
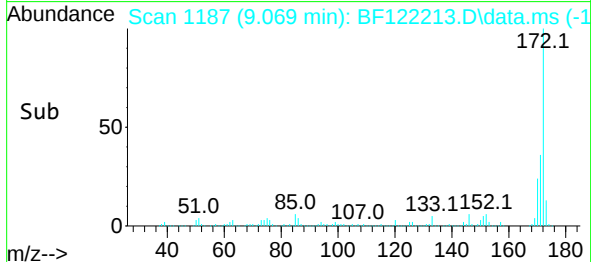
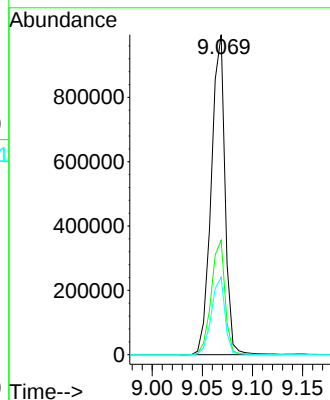
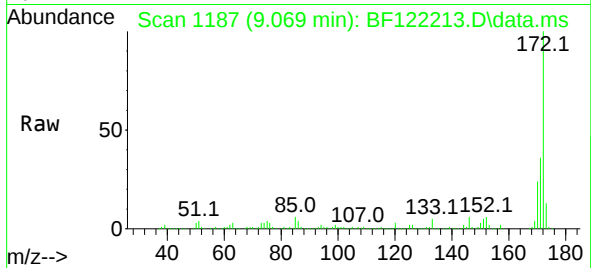




#45
2-Fluorobiphenyl
Concen: 98.08 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

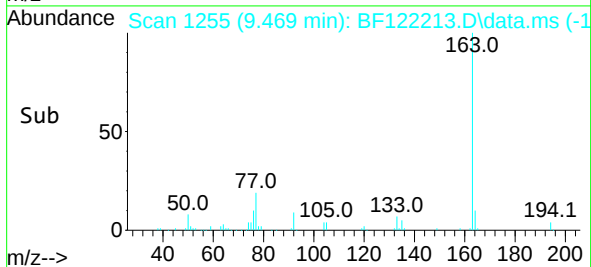
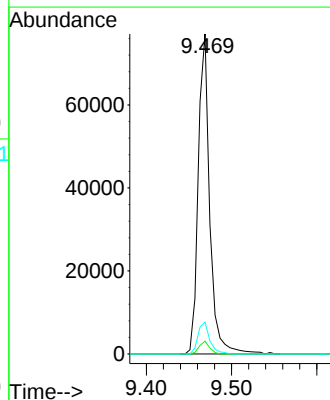
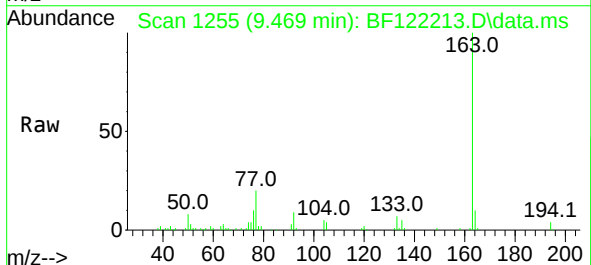
Instrument :
BNA_F
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RECLAMATION-PIT

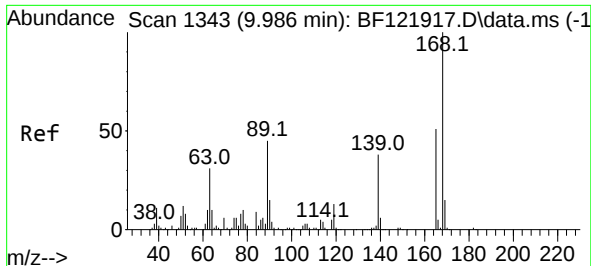
Tgt Ion:172 Resp: 952808
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 24.3 19.8 29.6



#50
Dimethylphthalate
Concen: 6.92 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Tgt Ion:163 Resp: 72281
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.9 8.2 12.4

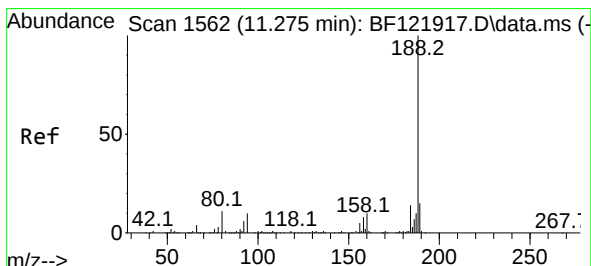
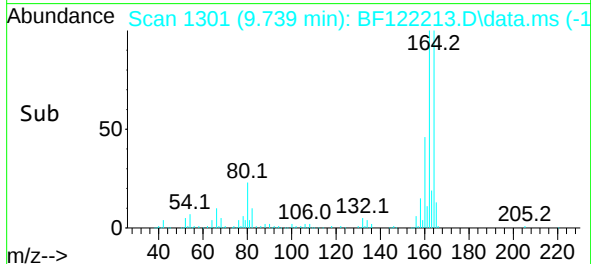
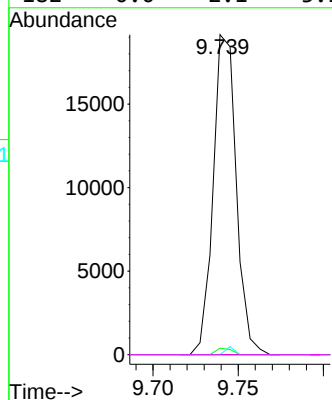
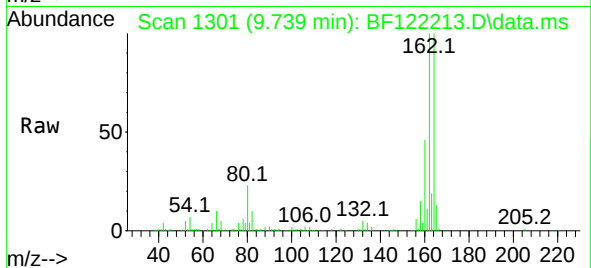




#57
2,4-Dinitrotoluene
Concen: 6.39 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.224 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

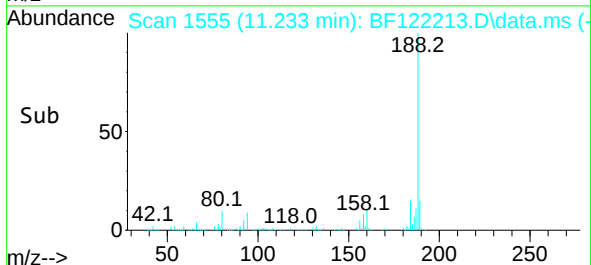
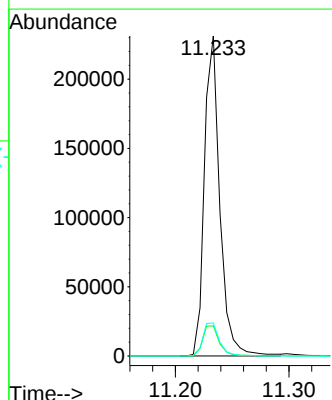
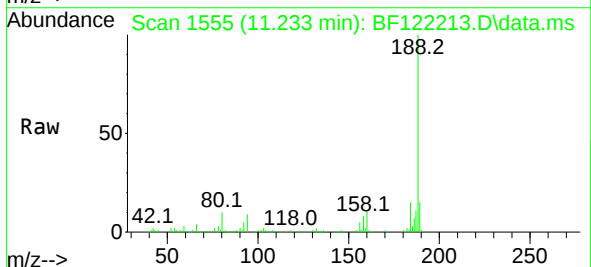
Instrument :
BNA_F
ClientSampleId :
RECLAMATION-PIT

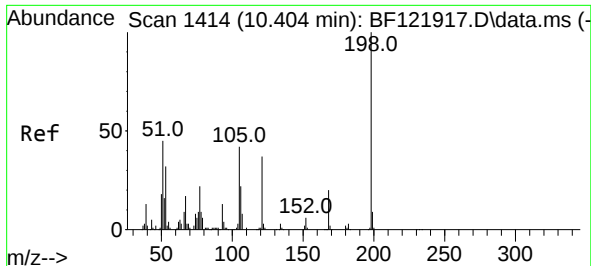
Tgt Ion:165 Resp: 18034
Ion Ratio Lower Upper
165 100
63 2.1 41.3 61.9#
89 0.0 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Tgt Ion:188 Resp: 217942
Ion Ratio Lower Upper
188 100
94 9.4 8.3 12.5
80 10.3 9.1 13.7

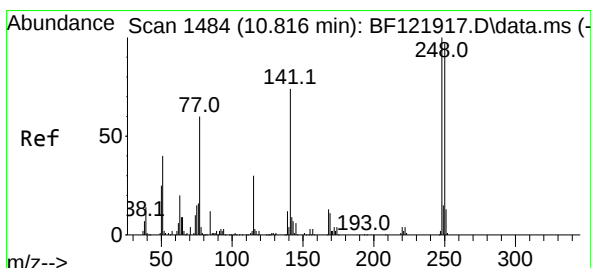
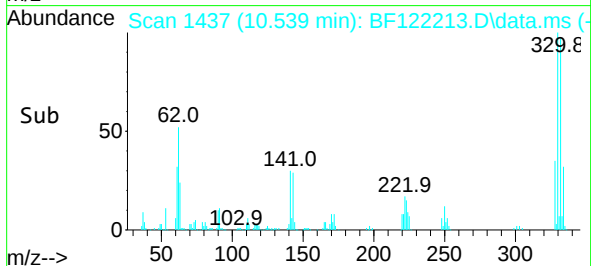
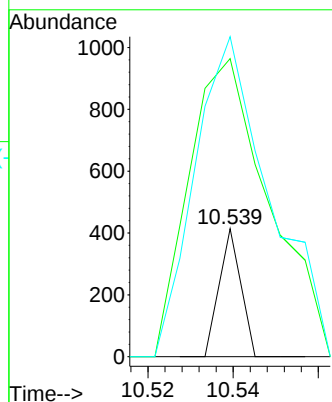
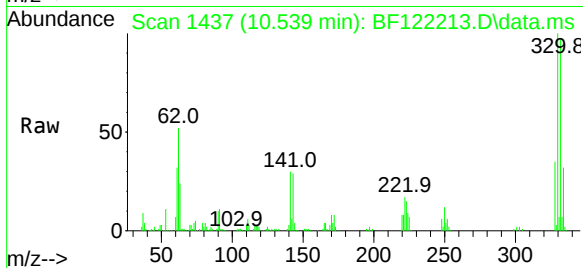




#65
4,6-Dinitro-2-methylphenol
Concen: 4.52 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

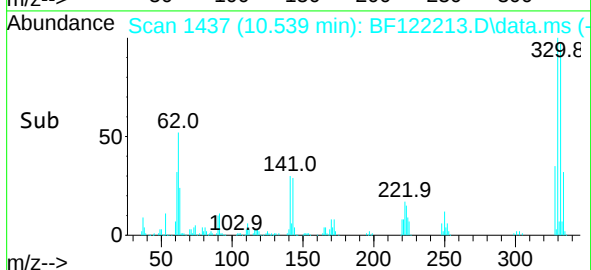
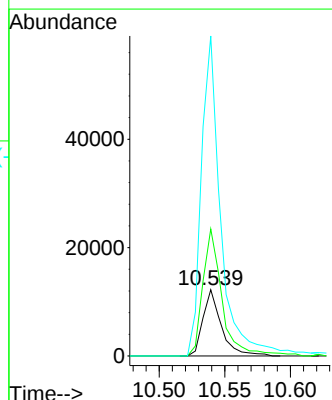
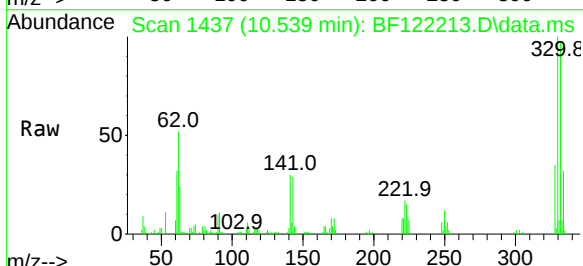
Instrument :
BNA_F
ClientSampleId :
RECLAMATION-PIT

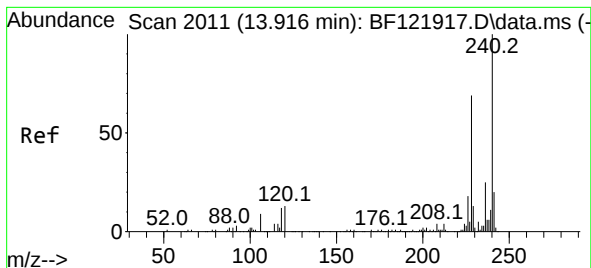
Tgt Ion:198 Resp: 146
Ion Ratio Lower Upper
198 100
51 232.9 29.6 69.6#
105 250.0 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 4.76 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Tgt Ion:248 Resp: 11974
Ion Ratio Lower Upper
248 100
250 192.0 77.0 115.6#
141 483.5 53.7 80.5#

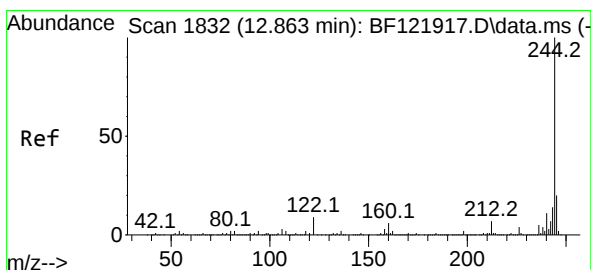
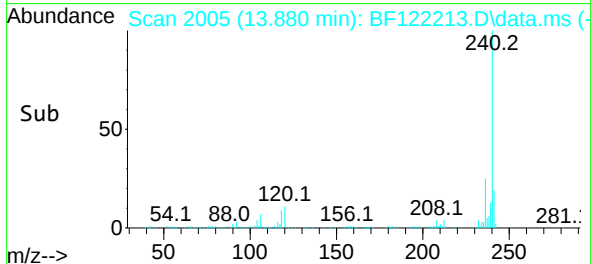
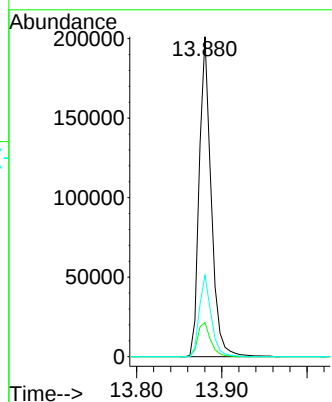
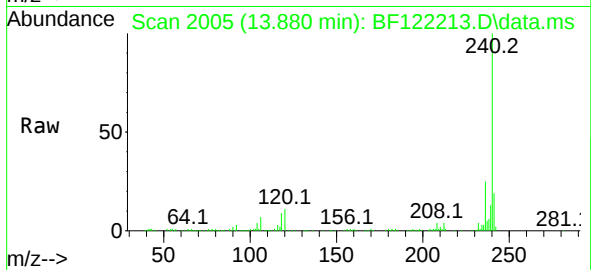




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

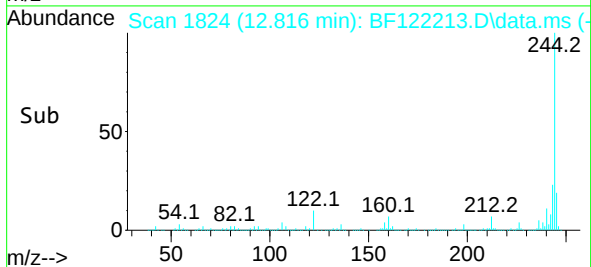
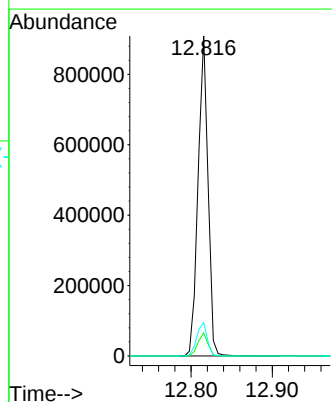
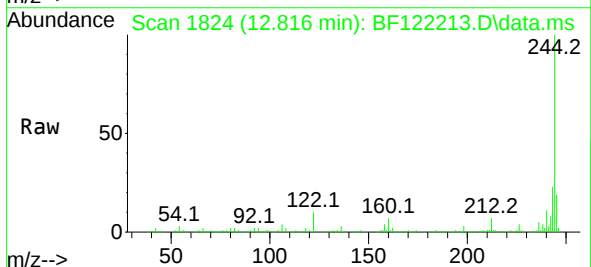
Instrument :
BNA_F
ClientSampleId :
RECLAMATION-PIT

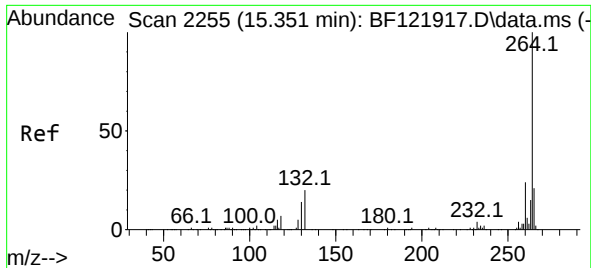
Tgt Ion:240 Resp: 195475
Ion Ratio Lower Upper
240 100
120 10.7 9.2 13.8
236 25.4 20.9 31.3



#79
Terphenyl-d14
Concen: 75.81 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF122213.D
Acq: 31 Oct 2020 10:40

Tgt Ion:244 Resp: 777621
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 10.4 8.1 12.1





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.315 min Scan# 2249
 Delta R.T. 0.012 min
 Lab File: BF122213.D
 Acq: 31 Oct 2020 10:40

Instrument :
 BNA_F
 ClientSampleId :
 RECLAMATION-PIT

Tgt Ion:264 Resp: 186014
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.9 17.3 25.9

