

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
 Data File : BF122462.D
 Acq On : 23 Nov 2020 23:03
 Operator : JU/CG
 Sample : L4836-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SL-02

Quant Time: Nov 24 00:28:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 13:27:02 2020
 Response via : Initial Calibration

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

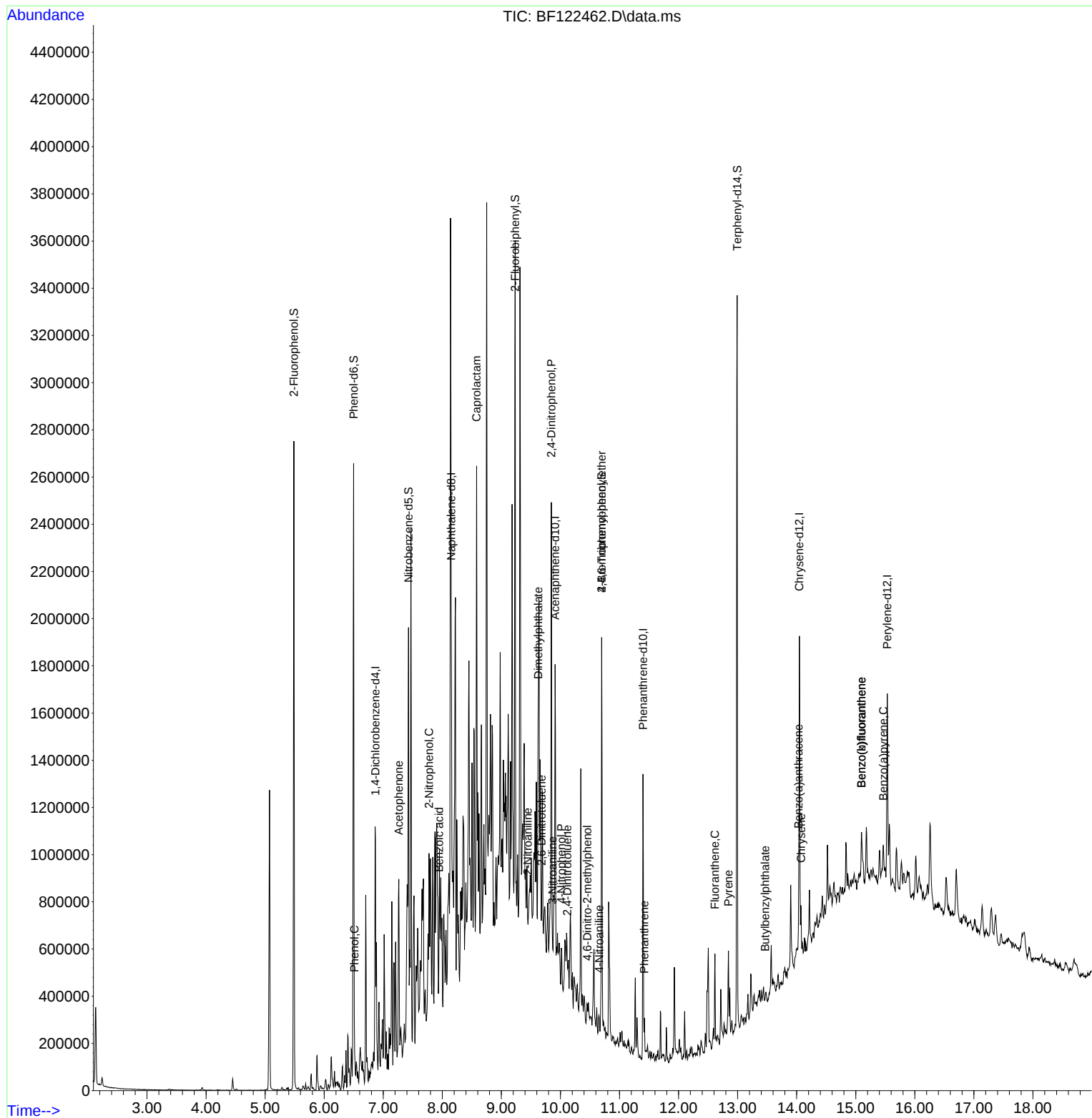
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	146160	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	481172	20.00	ng	# 0.00
39) Acenaphthene-d10	9.910	164	229652	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	421989	20.00	ng	0.00
76) Chrysene-d12	14.045	240	433417	20.00	ng	0.00
86) Perylene-d12	15.533	264	384808	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	719294	75.57	ng	0.00
7) Phenol-d6	6.498	99	869250	69.81	ng	-0.01
23) Nitrobenzene-d5	7.428	82	523099	66.55	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	208443	84.57	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	881526	59.98	ng	0.00
79) Terphenyl-d14	12.992	244	1007211	49.23	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.422	77	2576	Below Cal	#	1
10) Phenol	6.510	94	40356	3.29	ng	78
22) Acetophenone	7.263	105	61719	4.92	ng	# 40
26) 2-Nitrophenol	7.775	139	3287	7.54	ng	# 1
32) Benzoic acid	7.945	122	6693	9.18	ng	# 19
35) Caprolactam	8.581	113	39945	17.22	ng	# 35
48) 2-Nitroaniline	9.445	65	788	5.33	ng	# 65
50) Dimethylphthalate	9.622	163	96502	5.91	ng	# 95
51) 2,6-Dinitrotoluene	9.681	165	3557	4.72	ng	# 72
53) 3-Nitroaniline	9.869	138	1535	3.90	ng	# 39
54) 2,4-Dinitrophenol	9.845	184	189	6.56	ng	# 1
56) 4-Nitrophenol	10.016	139	2644	6.10	ng	# 1
57) 2,4-Dinitrotoluene	10.116	165	1432	5.00	ng	# 64
62) 4-Nitroaniline	10.657	138	193	3.43	ng	93
65) 4,6-Dinitro-2-methylph...	10.457	198	107	6.21	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	13013	2.62	ng	# 1
71) Phenanthrene	11.422	178	54105	2.26	ng	97
75) Fluoranthene	12.616	202	147221	5.89	ng	96
78) Pyrene	12.845	202	140341	4.61	ng	98
80) Butylbenzylphthalate	13.469	149	1439	3.40	ng	# 26
81) Benzo(a)anthracene	14.033	228	90777	3.37	ng	# 89
83) Chrysene	14.074	228	96425	3.55	ng	# 94
88) Benzo(b)fluoranthene	15.098	252	142584	5.72	ng	# 87
89) Benzo(k)fluoranthene	15.098	252	142584	5.87	ng	# 86
90) Benzo(a)pyrene	15.468	252	70472	3.24	ng	# 87

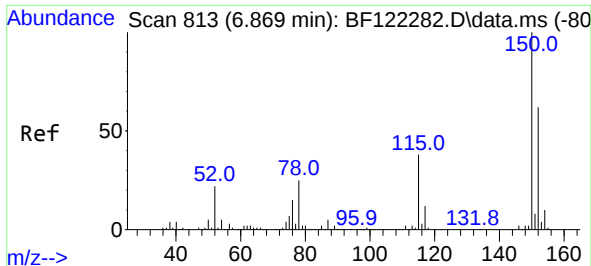
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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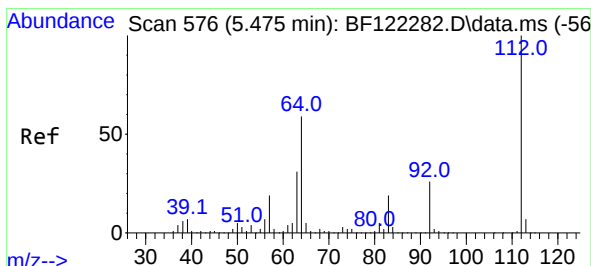
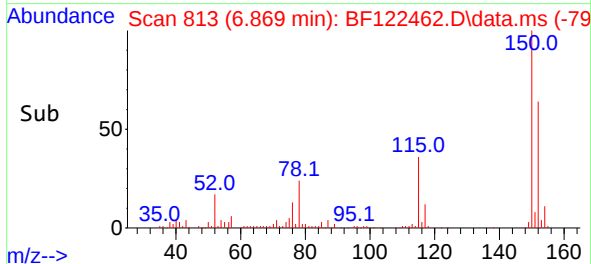
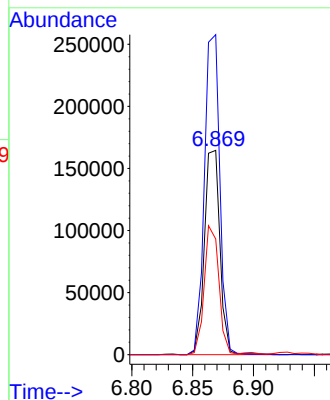
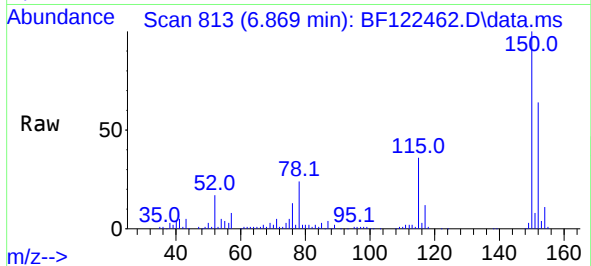




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

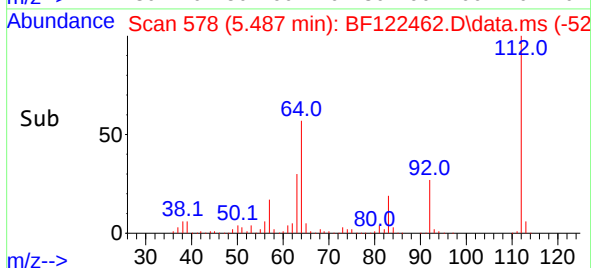
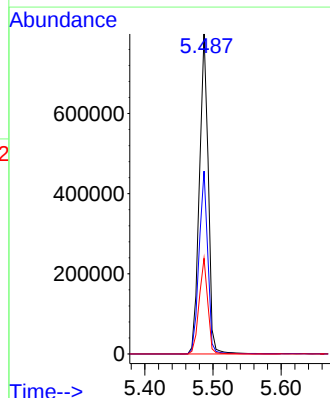
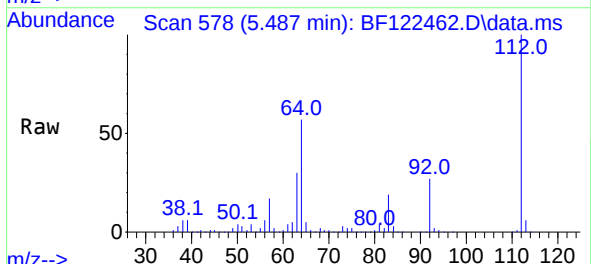
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BNA_F
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SL-02

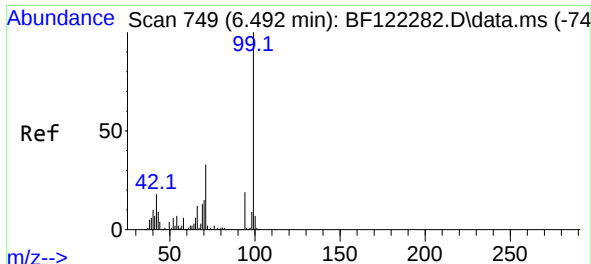
Tgt Ion:152 Resp: 146160
Ion Ratio Lower Upper
152 100
150 156.7 125.3 187.9
115 56.7 51.9 77.9



#5
2-Fluorophenol
Concen: 75.57 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:112 Resp: 719294
Ion Ratio Lower Upper
112 100
64 57.2 50.4 75.6
63 29.9 25.8 38.6

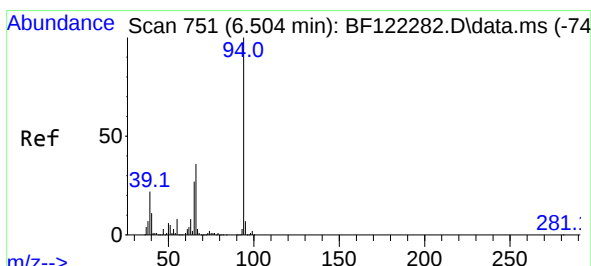
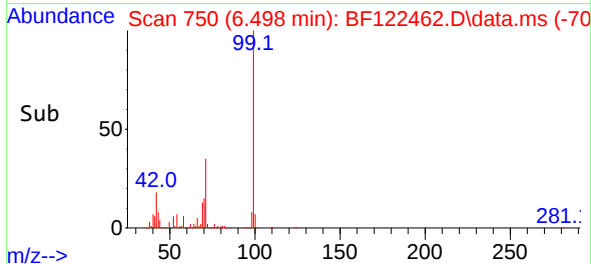
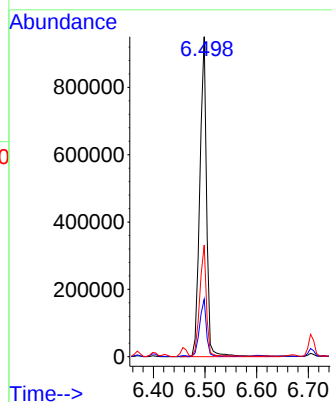
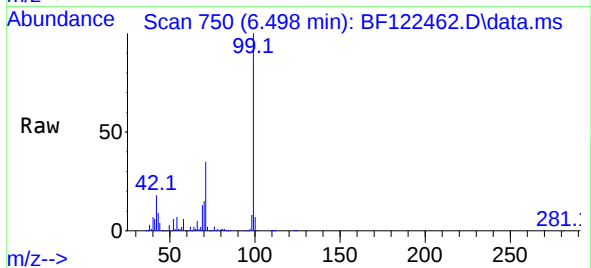




#7
Phenol-d6
Concen: 69.81 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

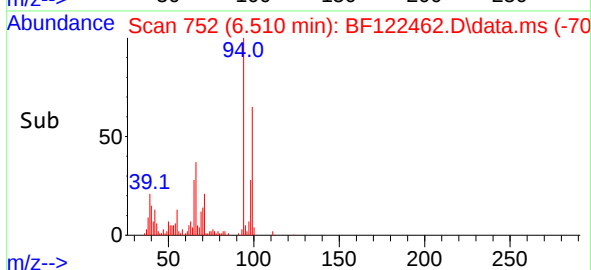
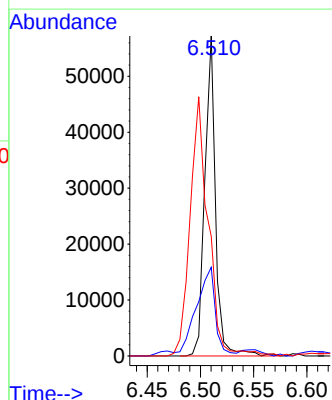
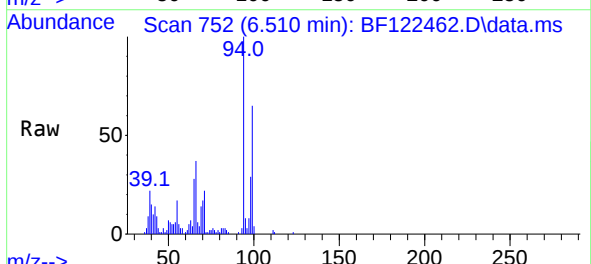
Instrument :
BNA_F
ClientSampleId :
SL-02

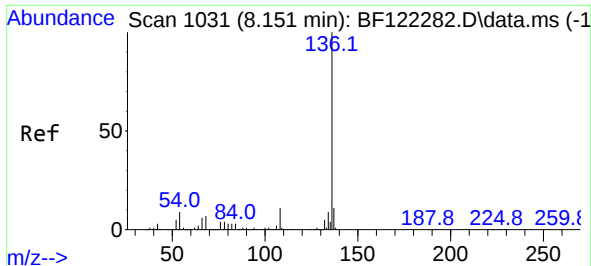
Tgt Ion: 99 Resp: 869250
Ion Ratio Lower Upper
99 100
42 17.9 15.9 23.9
71 34.9 27.1 40.7



#10
Phenol
Concen: 3.29 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion: 94 Resp: 40356
Ion Ratio Lower Upper
94 100
65 27.7 17.1 57.1
66 37.4 36.0 76.0



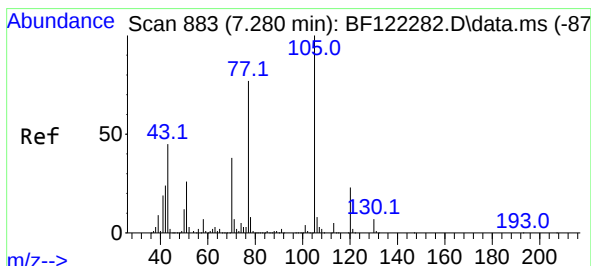
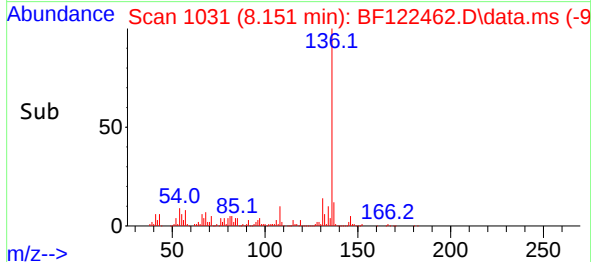
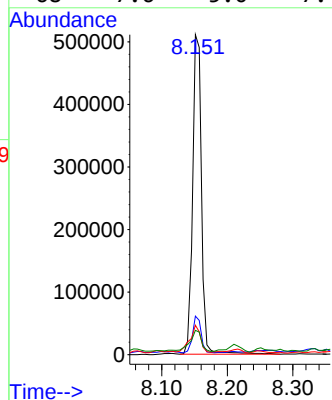
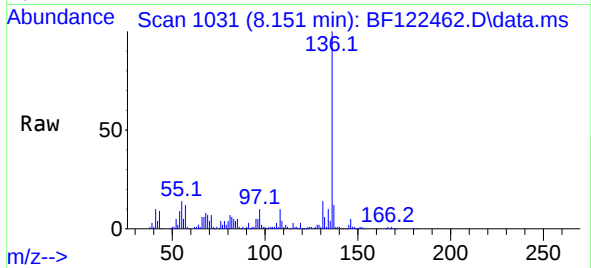


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:136 Resp: 481172

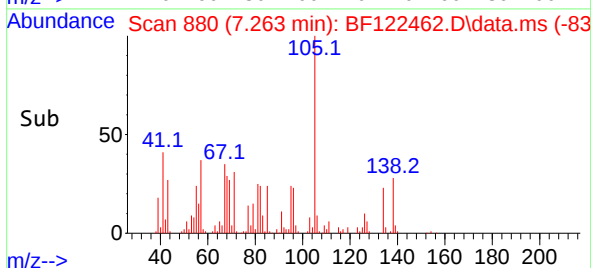
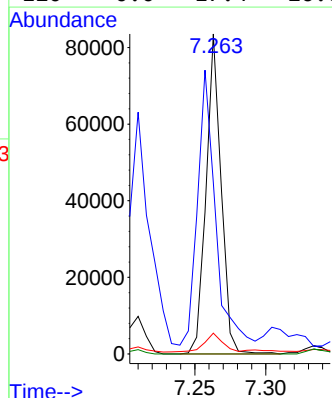
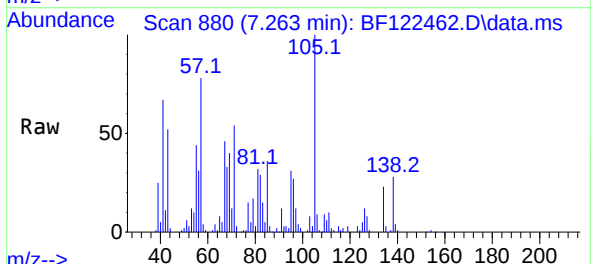
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.6	13.0
54	9.2	7.1	10.7
68	7.6	5.0	7.4

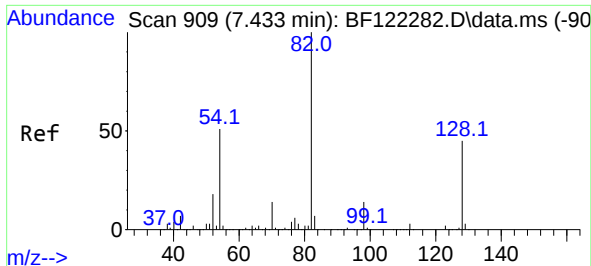


#22
Acetophenone
Concen: 4.92 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.018 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:105 Resp: 61719

Ion	Ratio	Lower	Upper
105	100		
71	53.6	5.3	7.9
51	6.5	33.2	49.8
120	0.0	17.4	26.0

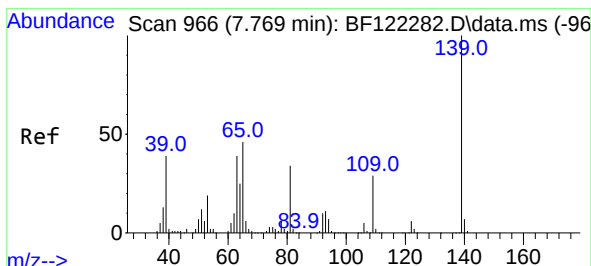
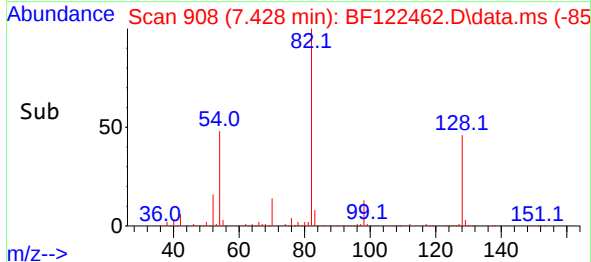
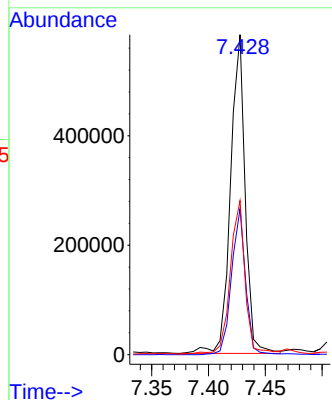
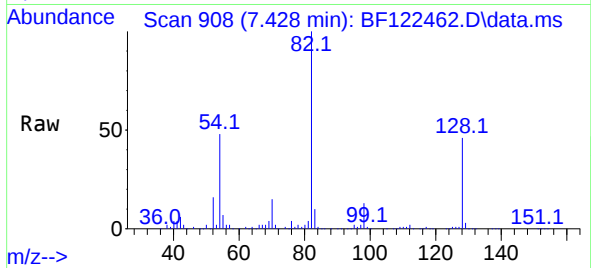




#23
Nitrobenzene-d5
Concen: 66.55 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

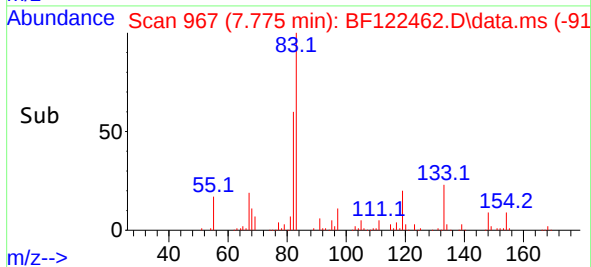
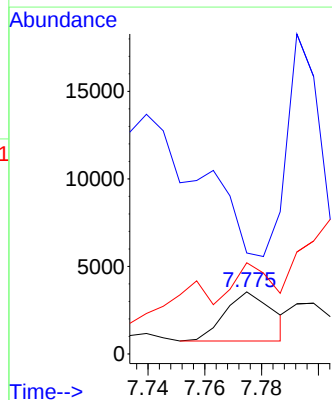
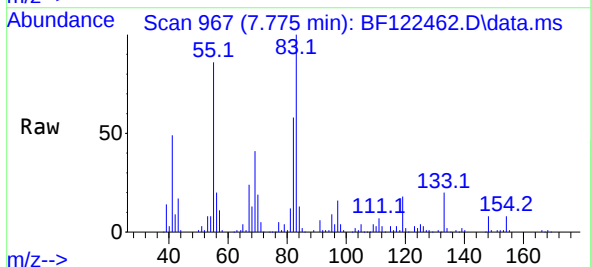
Instrument :
BNA_F
ClientSampleId :
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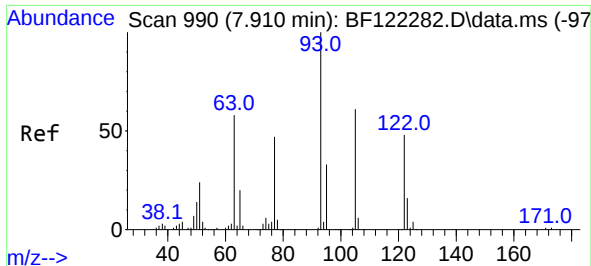
Tgt Ion: 82 Resp: 523099
Ion Ratio Lower Upper
82 100
128 45.6 35.0 52.4
54 48.2 43.9 65.9



#26
2-Nitrophenol
Concen: 7.54 ng
RT: 7.775 min Scan# 967
Delta R.T. 0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:139 Resp: 3287
Ion Ratio Lower Upper
139 100
109 162.5 23.0 34.4#
65 146.8 39.9 59.9#

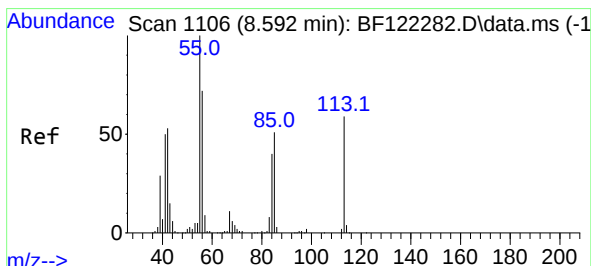
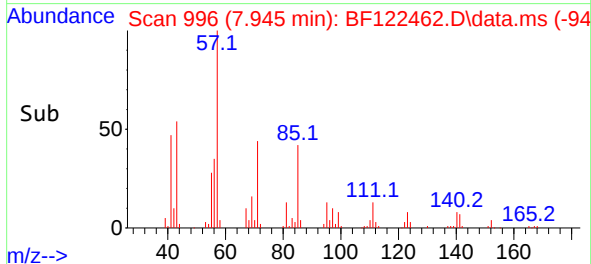
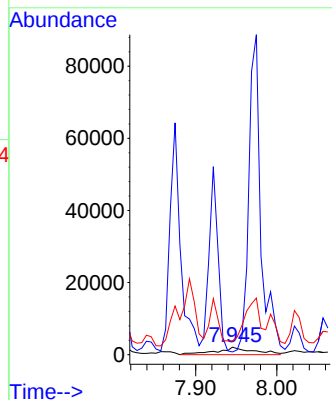
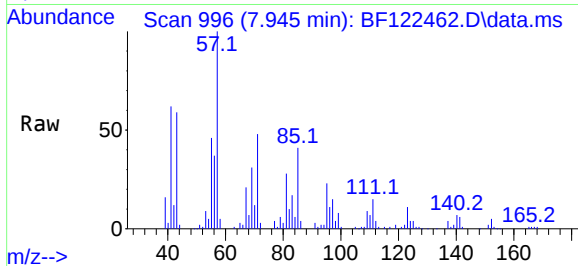




#32
Benzoic acid
Concen: 9.18 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

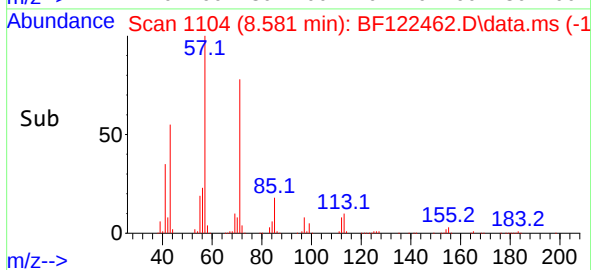
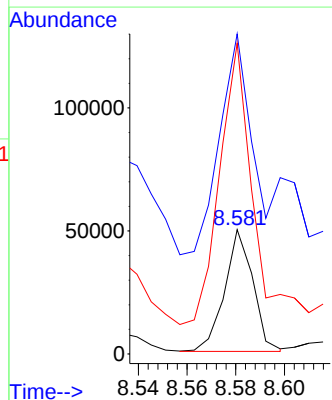
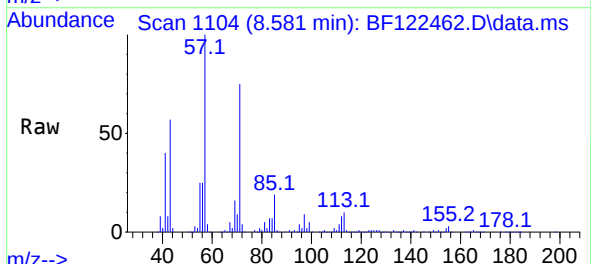
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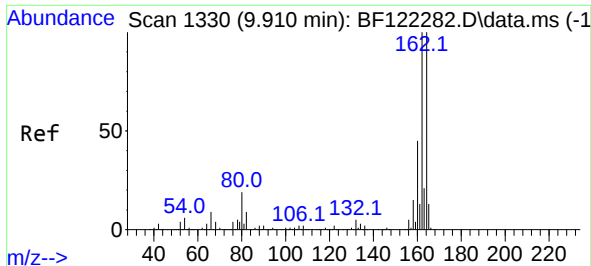
Tgt Ion:122 Resp: 6693
Ion Ratio Lower Upper
122 100
105 36.8 103.3 143.3#
77 178.1 73.9 113.9#



#35
Caprolactam
Concen: 17.22 ng
RT: 8.581 min Scan# 1104
Delta R.T. -0.024 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:113 Resp: 39945
Ion Ratio Lower Upper
113 100
55 257.3 167.5 207.5#
56 249.8 121.2 161.2#

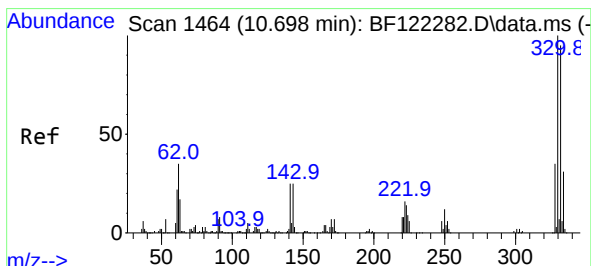
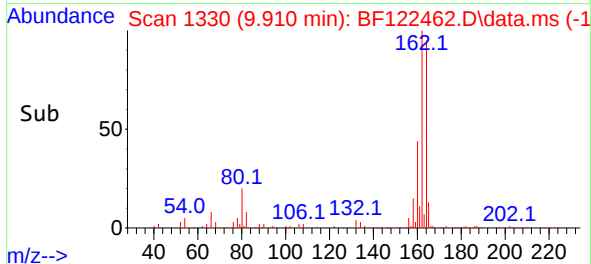
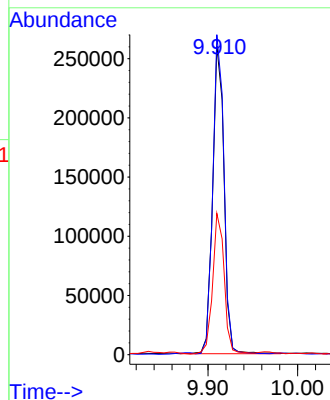
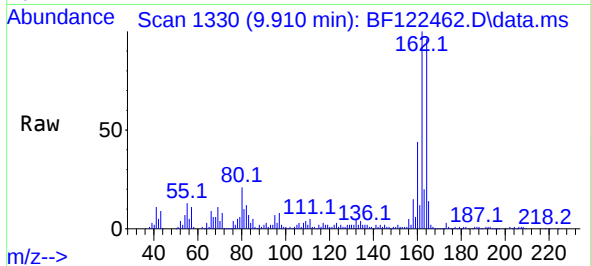




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

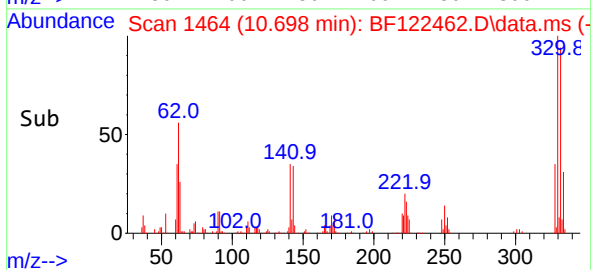
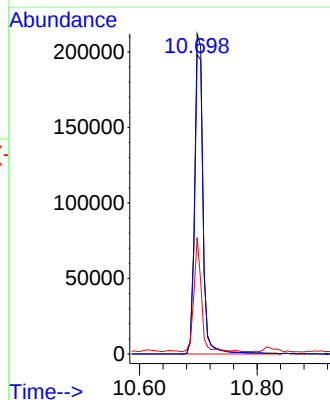
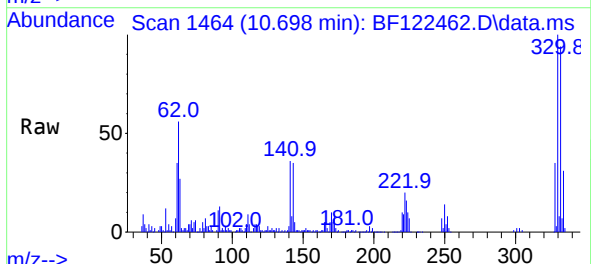
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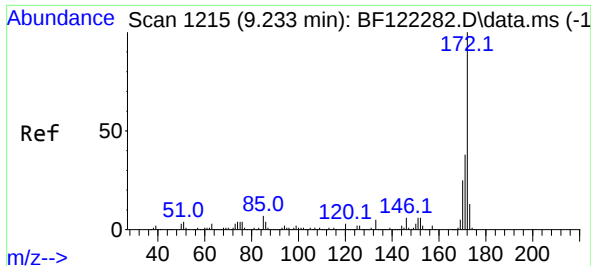
Tgt Ion:164 Resp: 229652
Ion Ratio Lower Upper
164 100
162 103.7 83.2 124.8
160 45.8 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 84.57 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:330 Resp: 208443
Ion Ratio Lower Upper
330 100
332 94.5 77.3 115.9
141 31.2 22.3 33.5

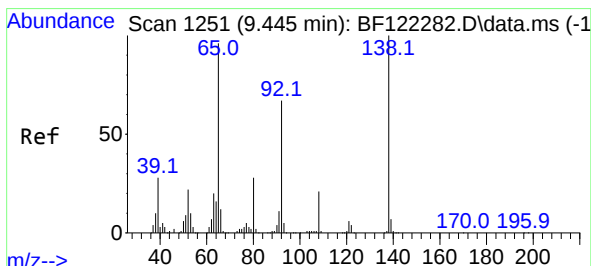
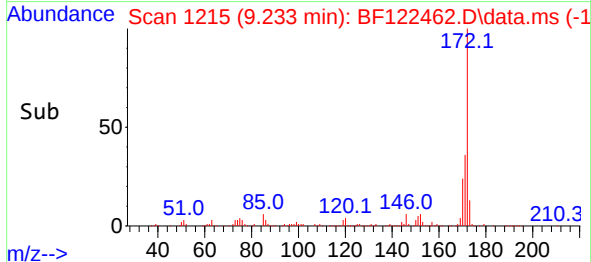
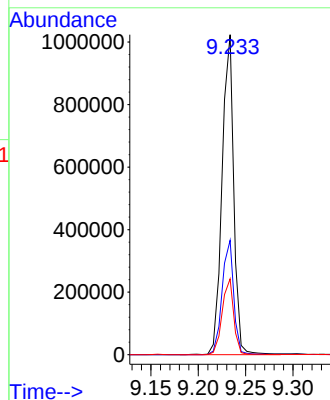
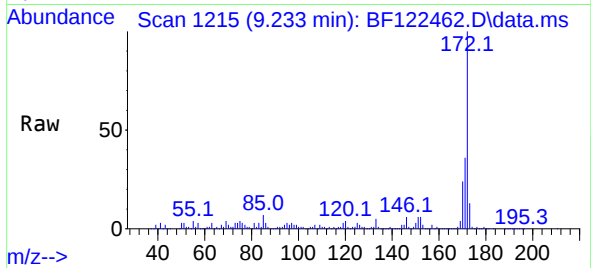




#45
2-Fluorobiphenyl
Concen: 59.98 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.000 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

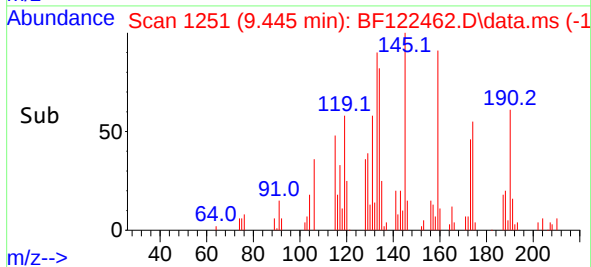
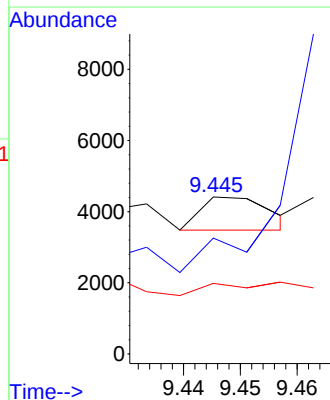
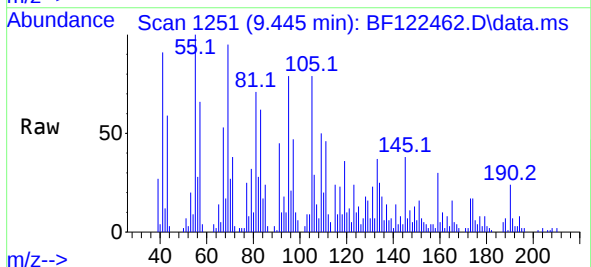
Instrument :
BNA_F
ClientSampled :
SL-02

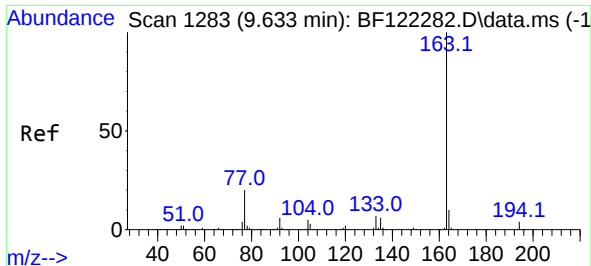
Tgt Ion:172 Resp: 881526
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 23.7 19.8 29.6



#48
2-Nitroaniline
Concen: 5.33 ng
RT: 9.445 min Scan# 1251
Delta R.T. -0.012 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion: 65 Resp: 788
Ion Ratio Lower Upper
65 100
92 73.8 55.1 82.7
138 45.0 80.5 120.7#

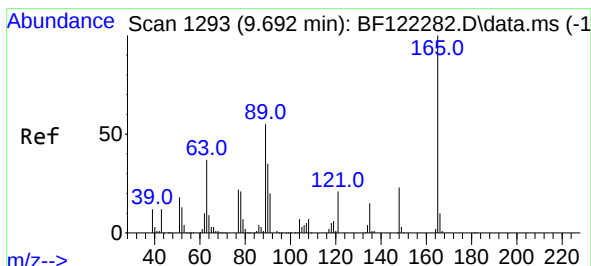
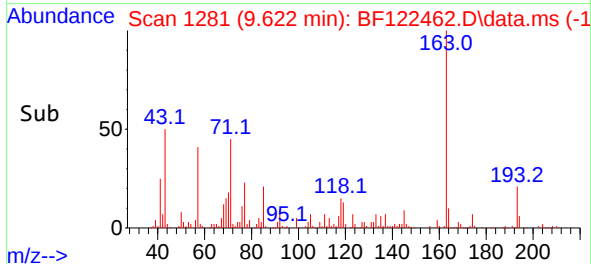
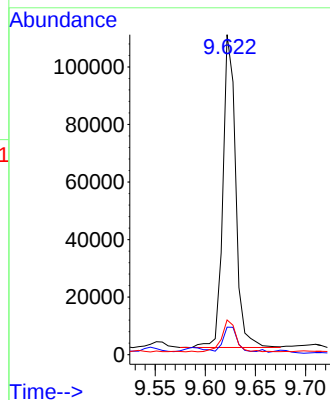
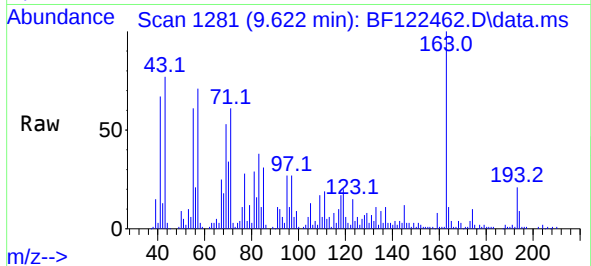




#50
Dimethylphthalate
Concen: 5.91 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.018 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

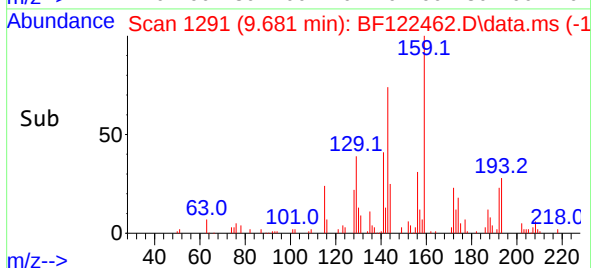
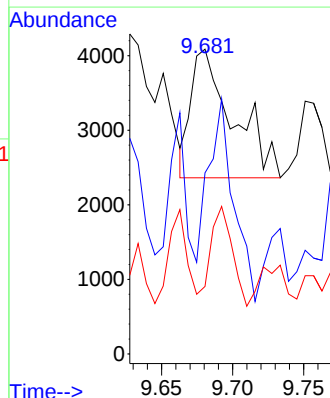
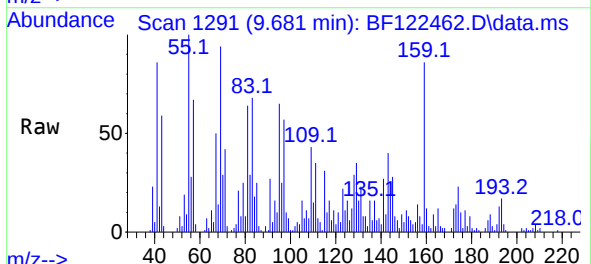
Instrument :
BNA_F
ClientSampled :
SL-02

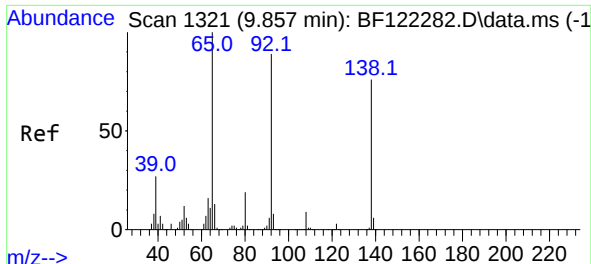
Tgt Ion:163 Resp: 96502
Ion Ratio Lower Upper
163 100
194 8.6 3.3 4.9#
164 10.8 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 4.72 ng
RT: 9.681 min Scan# 1291
Delta R.T. -0.018 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:165 Resp: 3557
Ion Ratio Lower Upper
165 100
63 59.4 51.8 77.6
89 22.1 49.0 73.6#

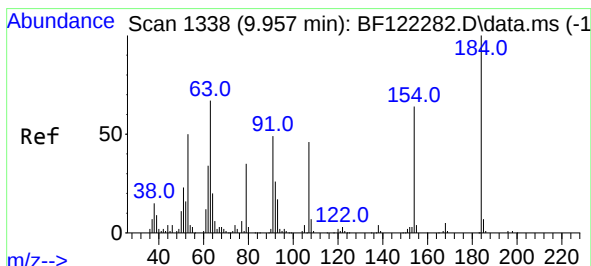
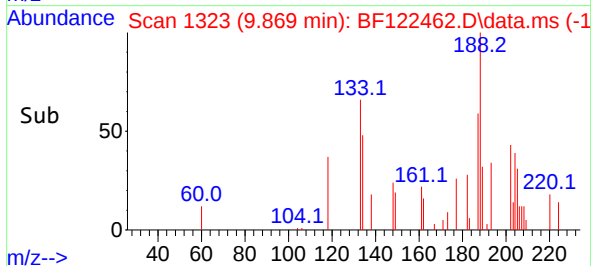
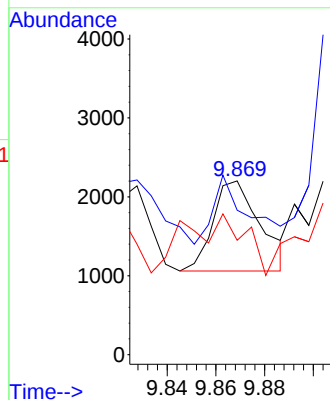
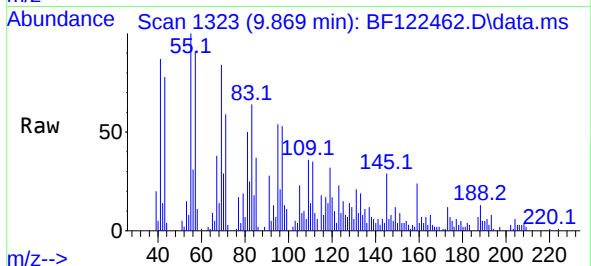




#53
3-Nitroaniline
Concen: 3.90 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

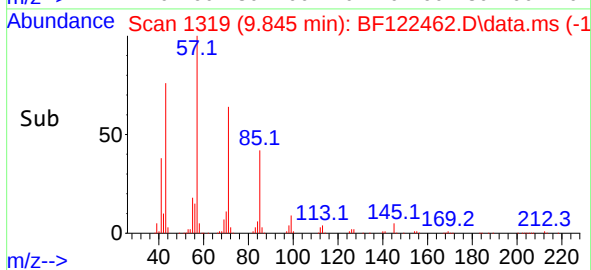
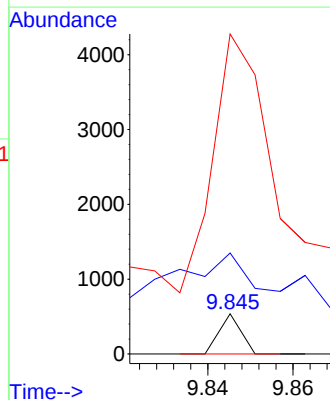
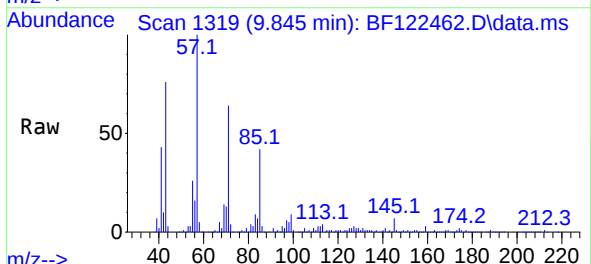
Instrument :
BNA_F
ClientSampled :
SL-02

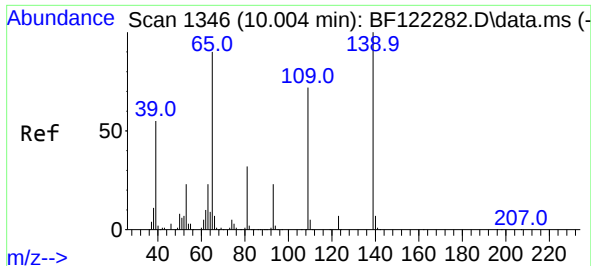
Tgt Ion:138 Resp: 1535
Ion Ratio Lower Upper
138 100
108 83.2 8.6 13.0#
92 65.9 96.6 144.8#



#54
2,4-Dinitrophenol
Concen: 6.56 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.124 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:184 Resp: 189
Ion Ratio Lower Upper
184 100
63 251.4 45.9 68.9#
154 796.5 45.8 68.6#

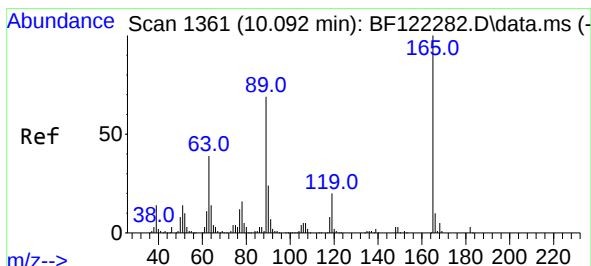
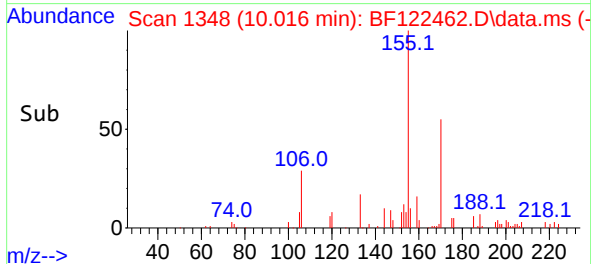
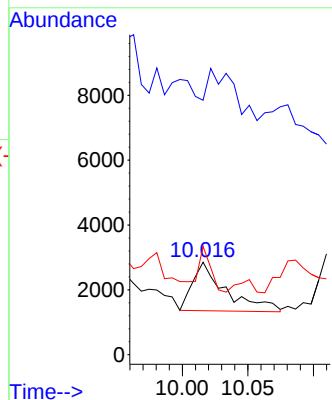
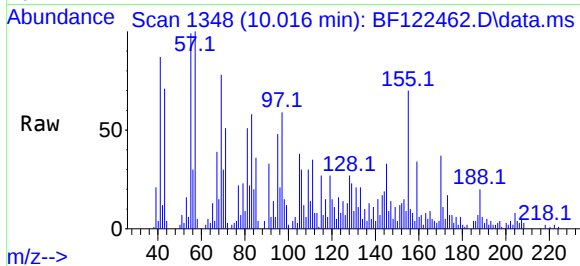




#56
4-Nitrophenol
Concen: 6.10 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

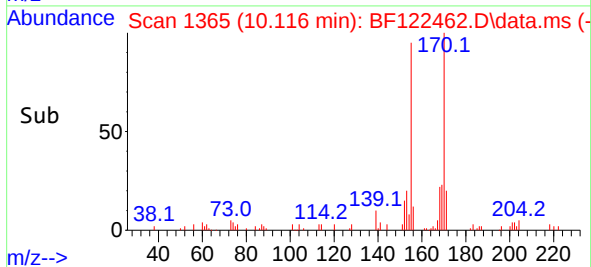
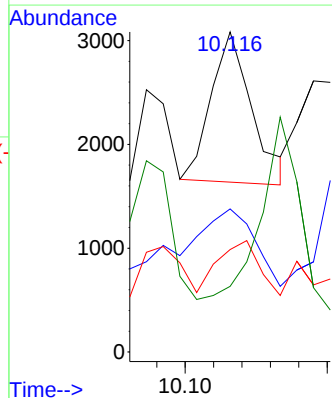
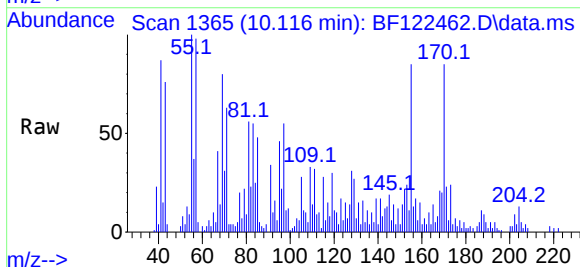
Instrument :
BNA_F
ClientSampled :
SL-02

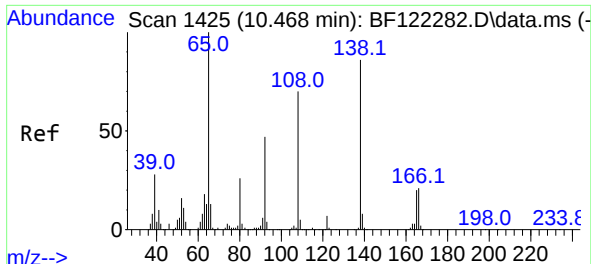
Tgt Ion:139 Resp: 2644
Ion Ratio Lower Upper
139 100
109 274.9 45.4 85.4#
65 116.8 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 5.00 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.018 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:165 Resp: 1432
Ion Ratio Lower Upper
165 100
63 44.7 41.3 61.9
89 32.0 61.8 92.8#
182 20.5 2.1 3.1#

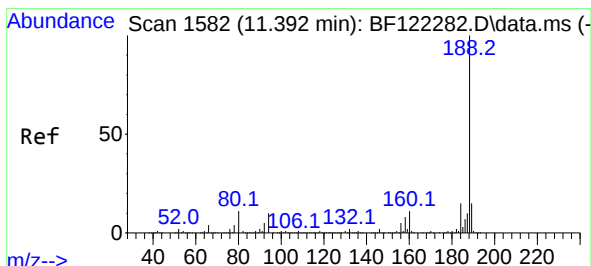
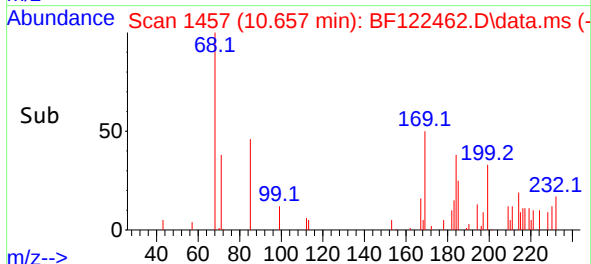
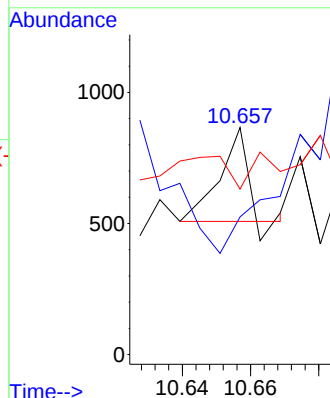
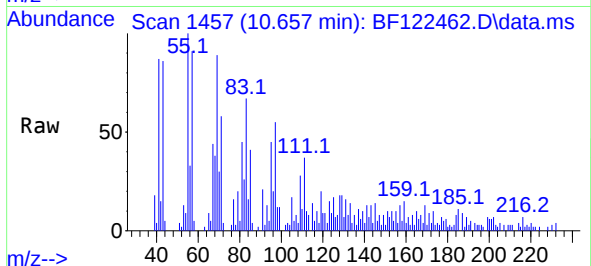




#62
4-Nitroaniline
Concen: 3.43 ng
RT: 10.657 min Scan# 1457
Delta R.T. 0.171 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

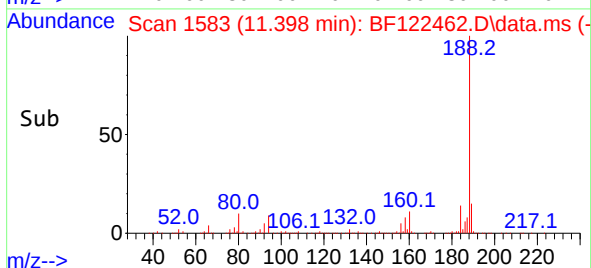
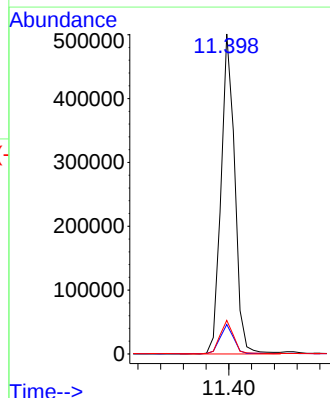
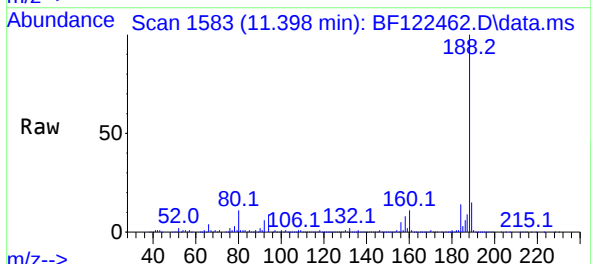
Instrument :
BNA_F
ClientSampleId :
SL-02

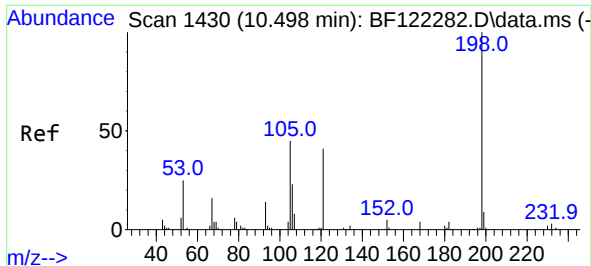
Tgt Ion:138	Resp:	193
Ion Ratio	Lower	Upper
138	100	
92	60.6	31.0 71.0
108	72.9	51.5 91.5



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:188	Resp:	421989
Ion Ratio	Lower	Upper
188	100	
94	9.2	8.3 12.5
80	10.5	9.1 13.7

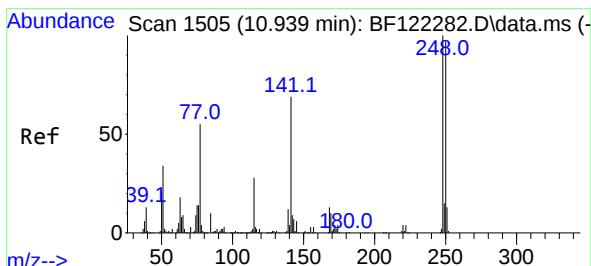
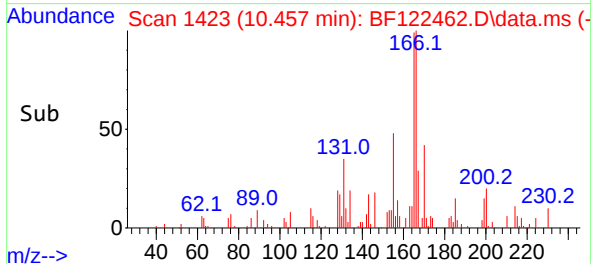
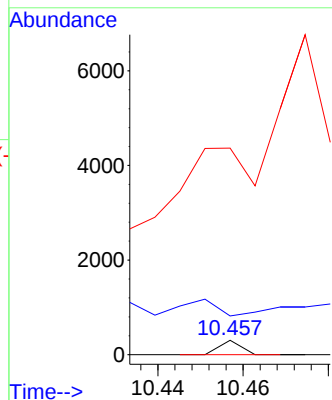
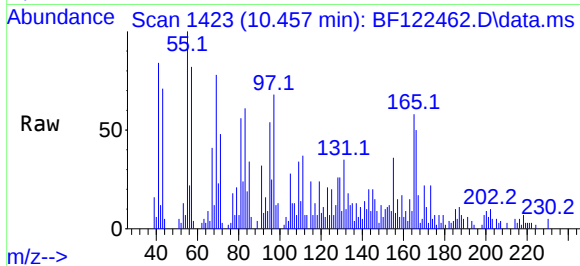




#65
4,6-Dinitro-2-methylphenol
Concen: 6.21 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.053 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

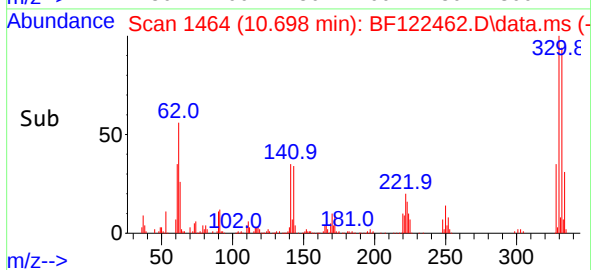
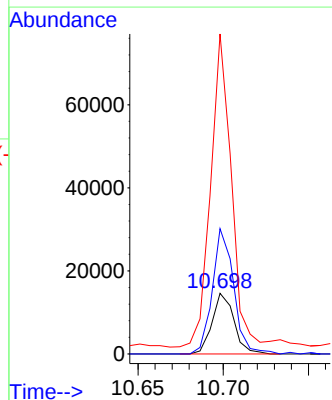
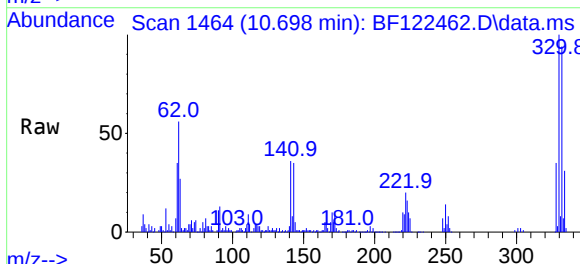
Instrument :
BNA_F
ClientSampled :
SL-02

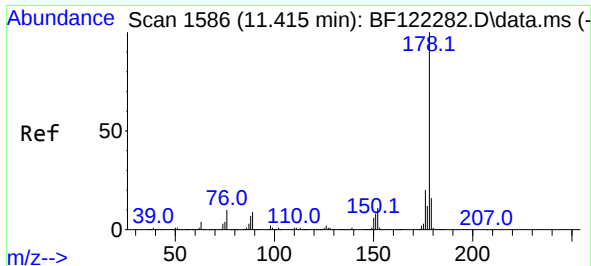
Tgt Ion:198 Resp: 107
Ion Ratio Lower Upper
198 100
51 269.7 29.6 69.6#
105 1436.8 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 2.62 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:248 Resp: 13013
Ion Ratio Lower Upper
248 100
250 206.6 77.0 115.6#
141 527.5 53.7 80.5#

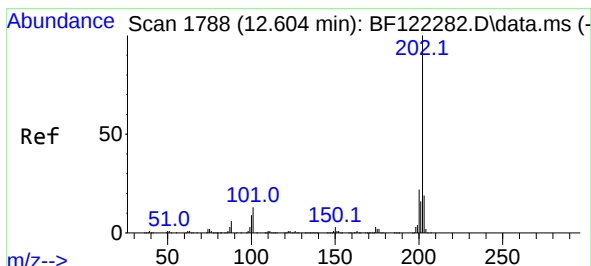
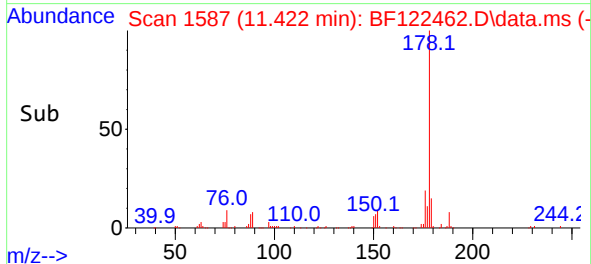
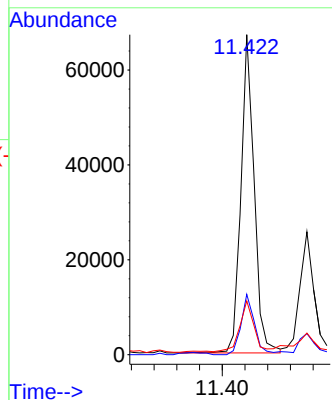
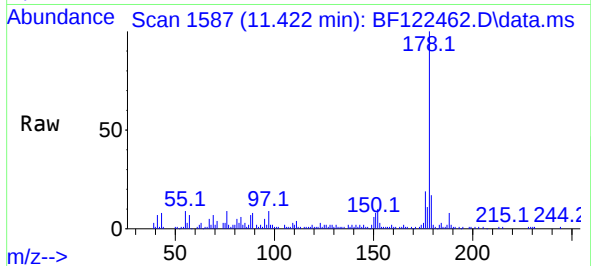




#71
Phenanthrene
Concen: 2.26 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

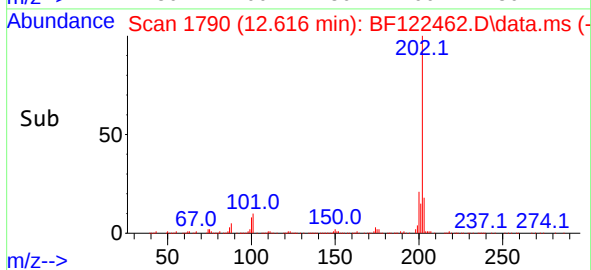
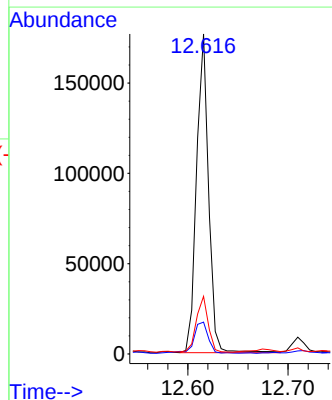
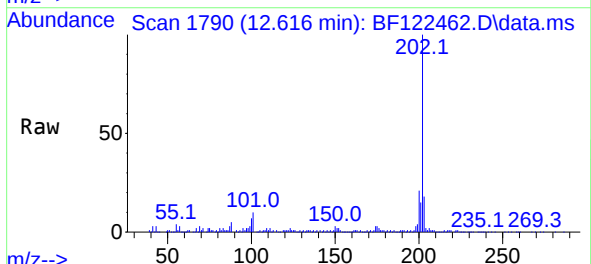
Instrument :
BNA_F
ClientSampled :
SL-02

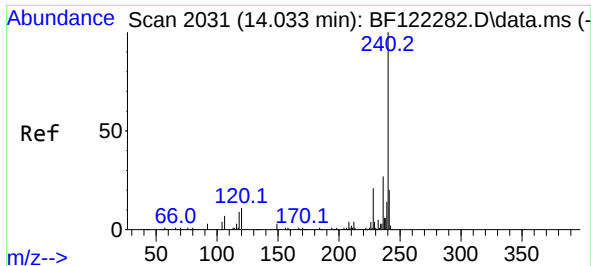
Tgt Ion:178	Resp:	54105
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.9 23.9
179	16.8	12.2 18.4



#75
Fluoranthene
Concen: 5.89 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:202	Resp:	147221
Ion Ratio	Lower	Upper
202	100	
101	10.0	0.0 33.4
203	18.0	0.0 37.9



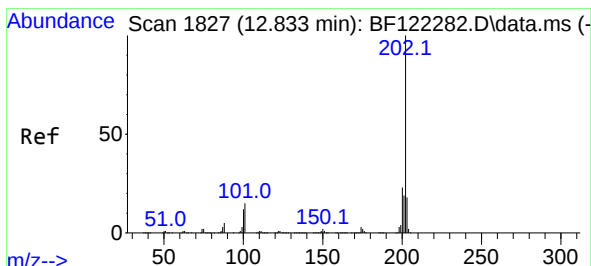
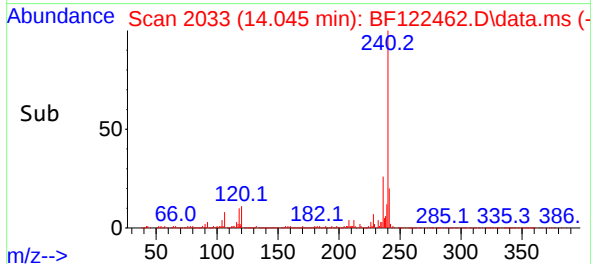
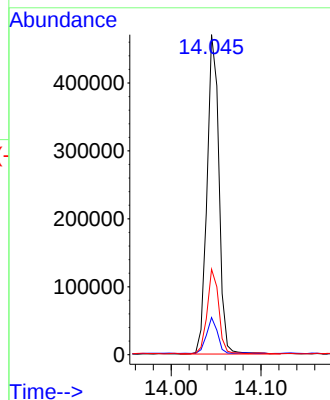
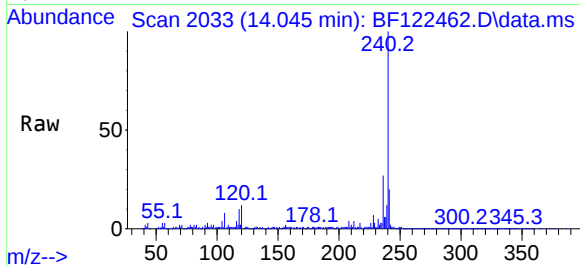


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Instrument :
BNA_F
ClientSampled :
SL-02

Tgt Ion:240 Resp: 433417

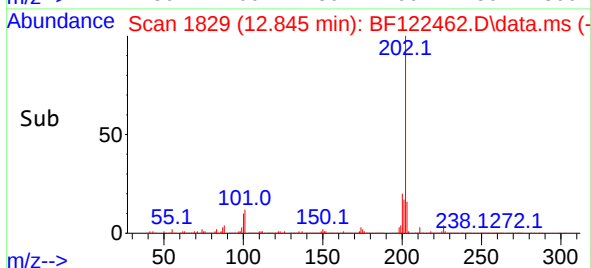
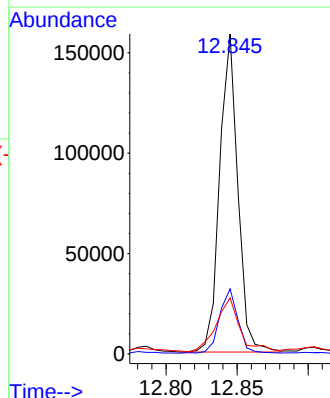
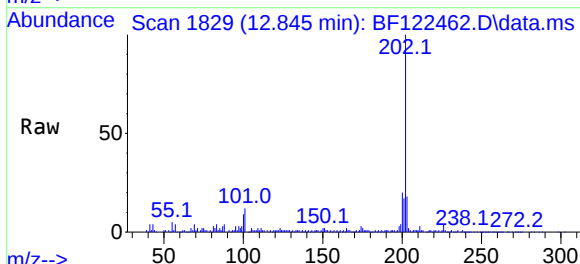
Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.2	13.8
236	26.7	20.9	31.3

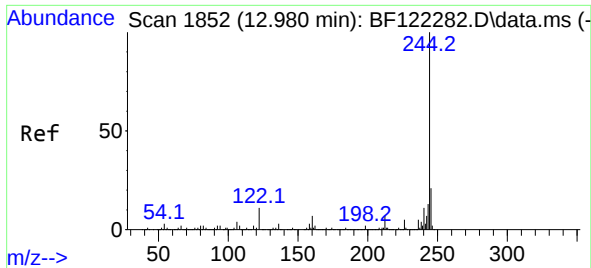


#78
Pyrene
Concen: 4.61 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:202 Resp: 140341

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	17.5	14.6	21.8

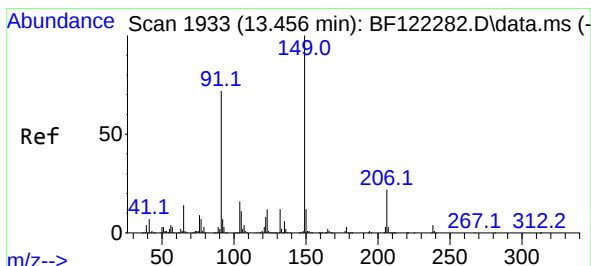
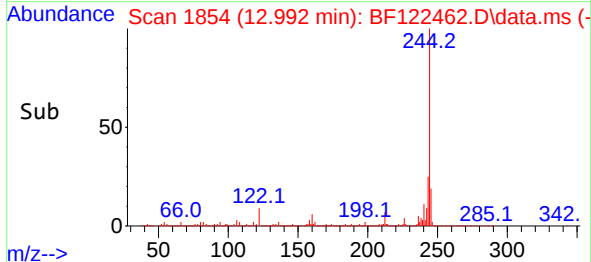
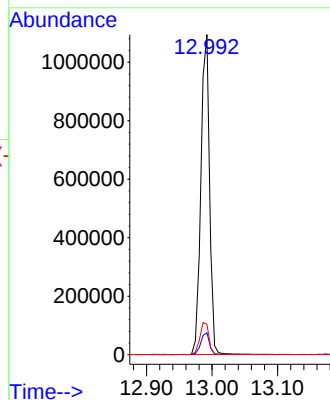
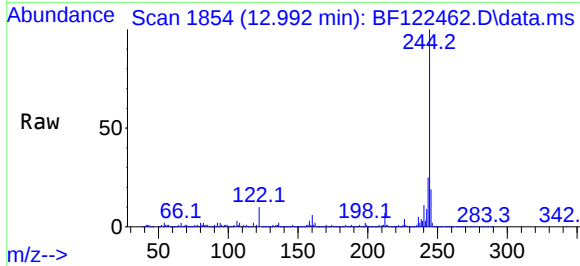




#79
 Terphenyl-d14
 Concen: 49.23 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF122462.D
 Acq: 23 Nov 2020 23:03

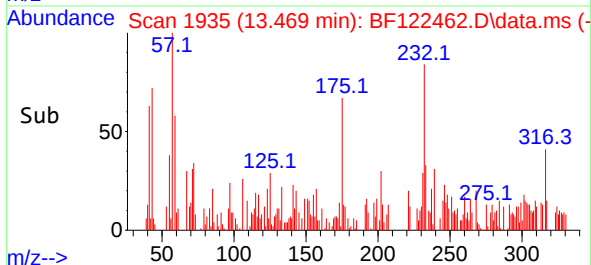
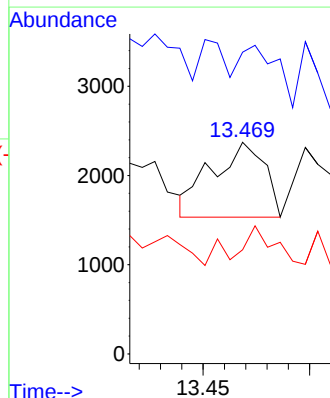
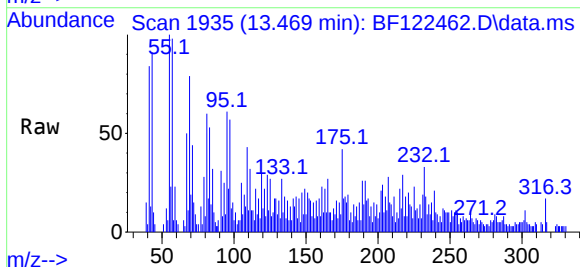
Instrument :
 BNA_F
 ClientSampleId :
 SL-02

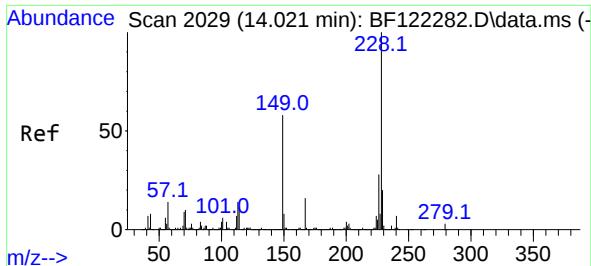
Tgt Ion:244 Resp: 1007211
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 9.5 8.1 12.1



#80
 Butylbenzylphthalate
 Concen: 3.40 ng
 RT: 13.469 min Scan# 1935
 Delta R.T. -0.000 min
 Lab File: BF122462.D
 Acq: 23 Nov 2020 23:03

Tgt Ion:149 Resp: 1439
 Ion Ratio Lower Upper
 149 100
 91 142.6 61.0 91.4#
 206 49.2 16.7 25.1#



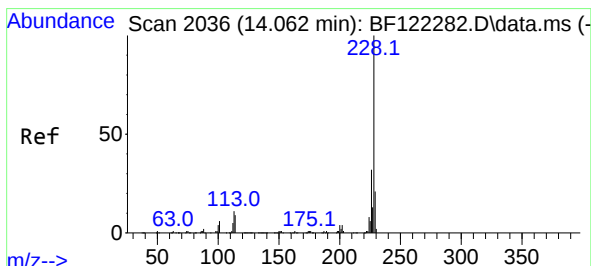
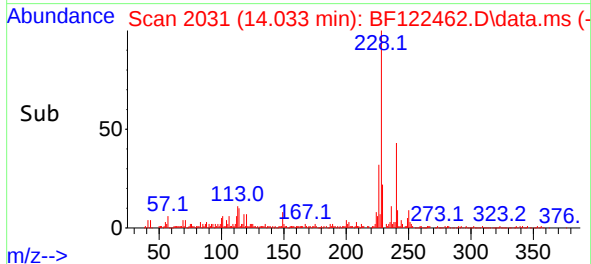
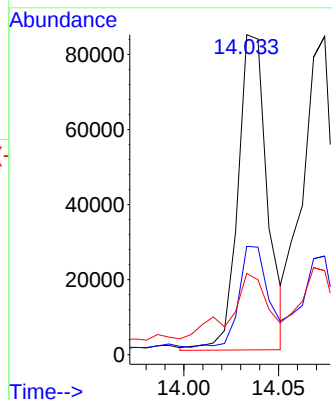
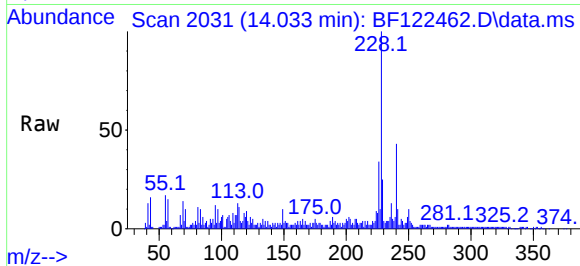


#81
Benzo(a)anthracene
Concen: 3.37 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Instrument :
BNA_F
ClientSampleId :
SL-02

Tgt Ion:228 Resp: 90777

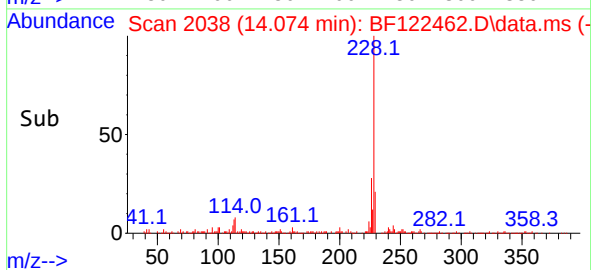
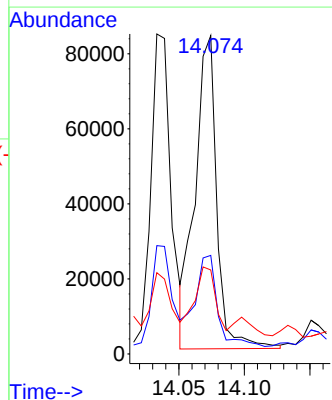
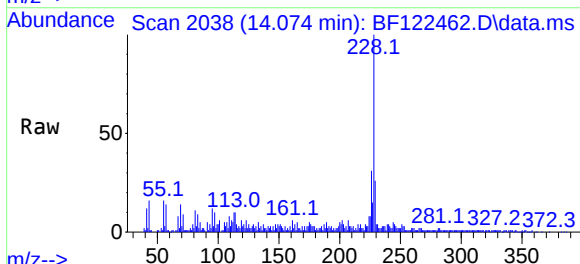
Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.3	33.5#
229	25.4	16.2	24.4#

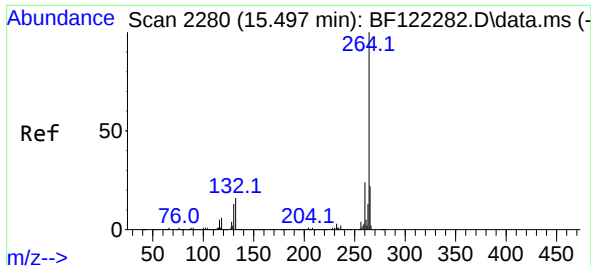


#83
Chrysene
Concen: 3.55 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:228 Resp: 96425

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	37.0
229	26.4	15.9	23.9#

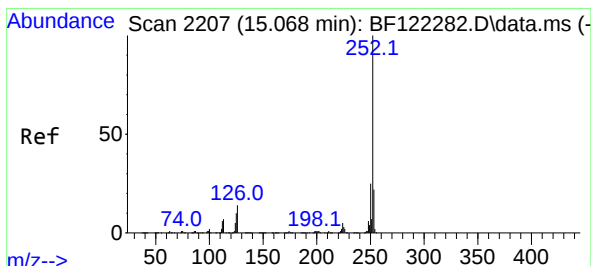
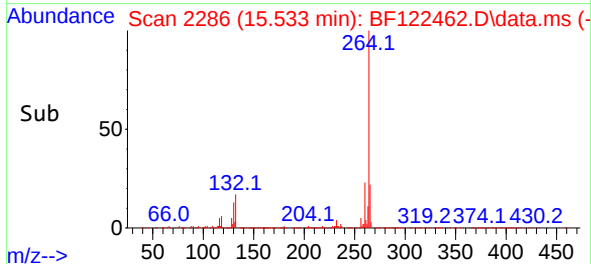
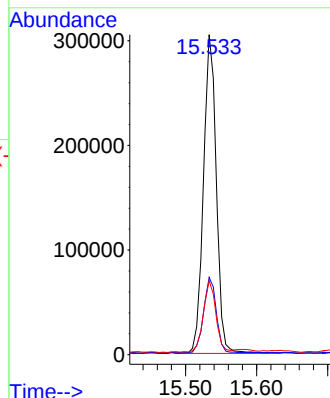
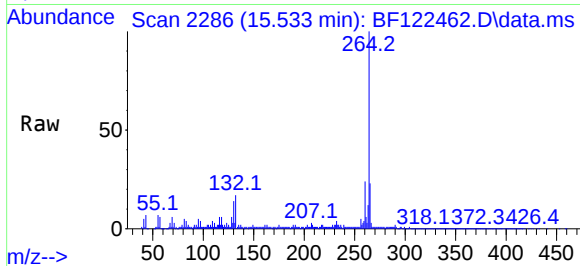




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

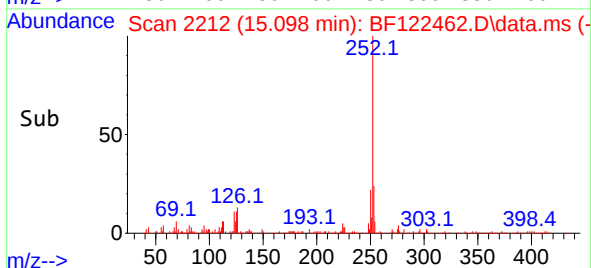
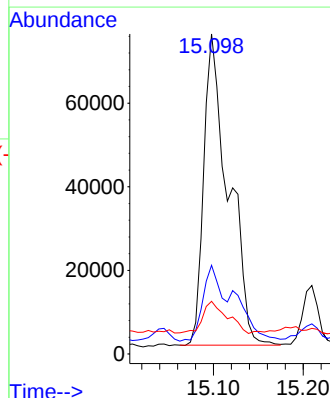
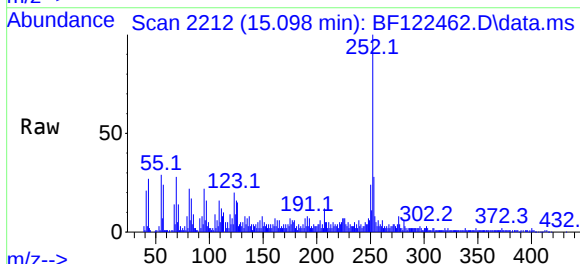
Instrument :
BNA_F
ClientSampled :
SL-02

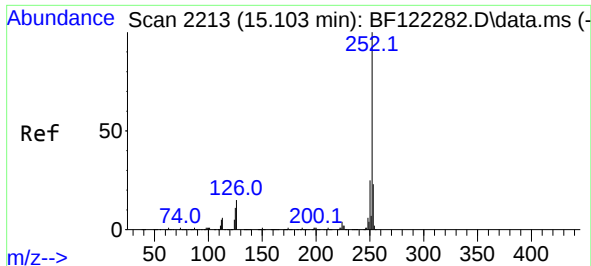
Tgt Ion:264 Resp: 384808
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 23.1 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 5.72 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:252 Resp: 142584
Ion Ratio Lower Upper
252 100
253 27.7 18.2 27.2#
125 16.4 8.0 12.0#

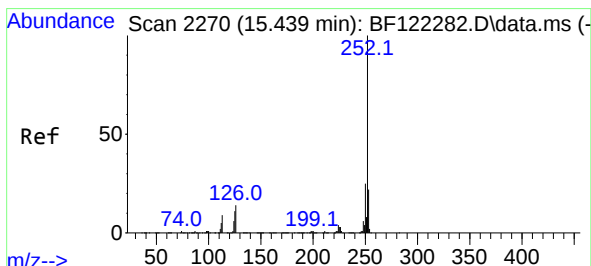
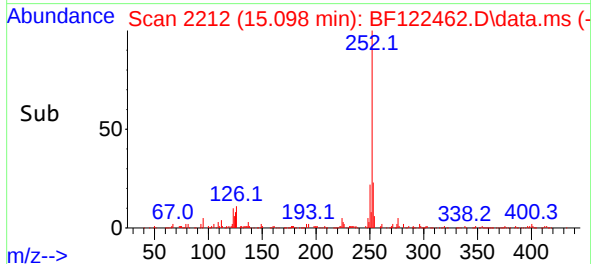
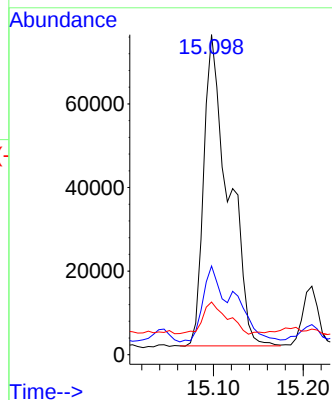
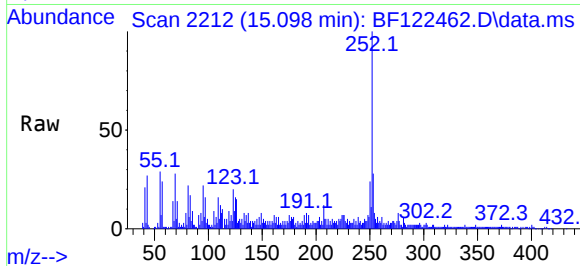




#89
Benzo(k)fluoranthene
Concen: 5.87 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.035 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Instrument :
BNA_F
ClientSampled :
SL-02

Tgt Ion:252 Resp: 142584
Ion Ratio Lower Upper
252 100
253 27.7 17.8 26.6#
125 16.4 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 3.24 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF122462.D
Acq: 23 Nov 2020 23:03

Tgt Ion:252 Resp: 70472
Ion Ratio Lower Upper
252 100
253 26.6 17.3 25.9#
125 17.6 8.6 13.0#

