

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102820\
 Data File : BF122158.D
 Acq On : 28 Oct 2020 20:36
 Operator : JU/CG
 Sample : L4527-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26414-26215

Quant Time: Oct 29 00:32:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 26 17:27:32 2020
 Response via : Initial Calibration

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

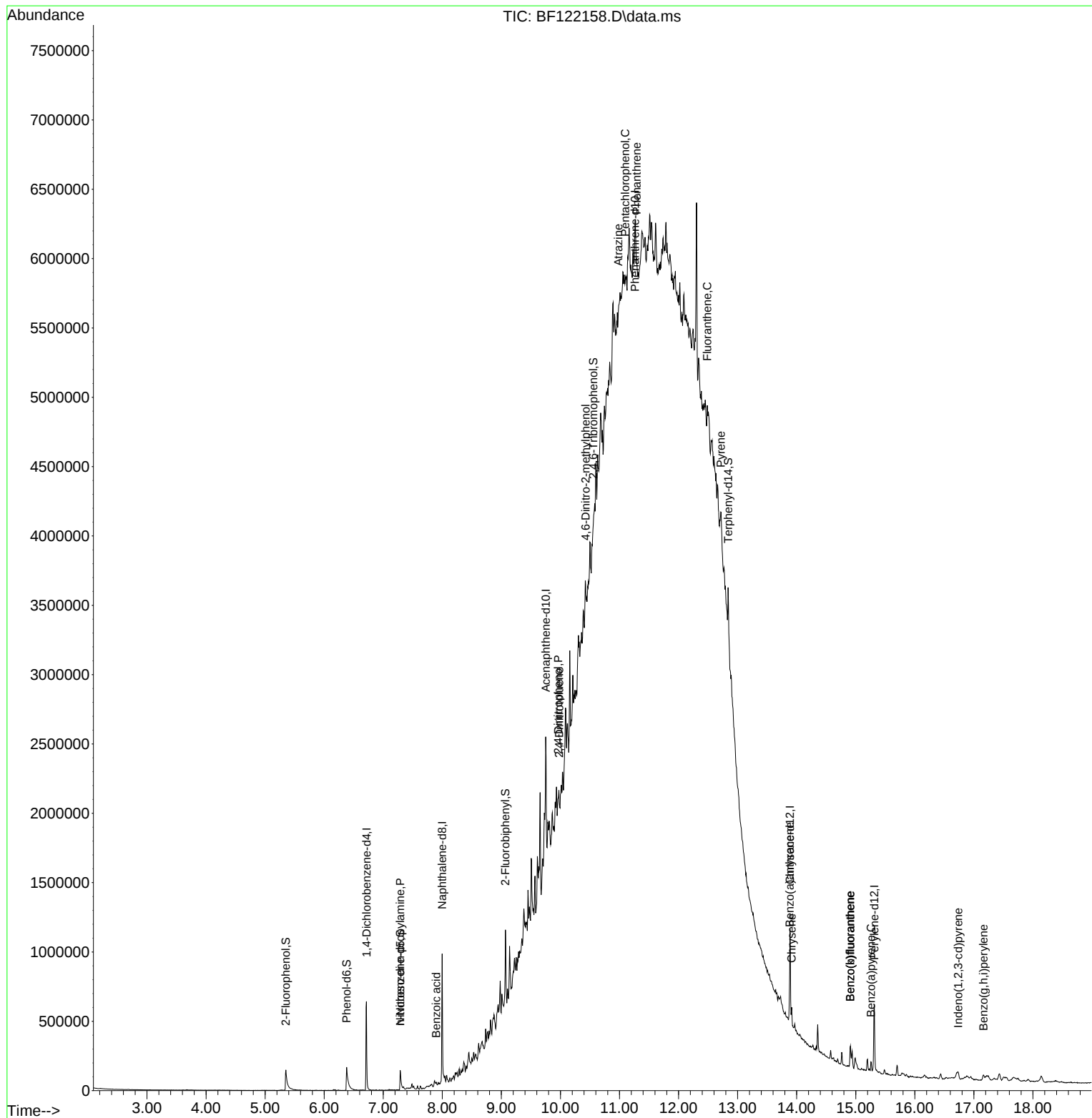
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	102033	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	398520	20.00	ng	0.00
39) Acenaphthene-d10	9.751	164	160705	20.00	ng	0.00
64) Phenanthrene-d10	11.263	188	184528	20.00	ng	# 0.03
76) Chrysene-d12	13.886	240	217516	20.00	ng	0.00
86) Perylene-d12	15.315	264	228956	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	96062	13.90	ng	0.02
7) Phenol-d6	6.381	99	124116	13.95	ng	0.01
23) Nitrobenzene-d5	7.286	82	74104	9.54	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	26654	13.41	ng	0.01
45) 2-Fluorobiphenyl	9.069	172	141032	12.91	ng	0.00
79) Terphenyl-d14	12.839	244	92711	8.12	ng	0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.286	70	11183	2.21	ng	# 78
32) Benzoic acid	7.898	122	1720	8.07	ng	# 72
54) 2,4-Dinitrophenol	9.963	184	425	8.97	ng	# 1
57) 2,4-Dinitrotoluene	9.980	165	11711	3.69	ng	# 34
65) 4,6-Dinitro-2-methylph...	10.427	198	211	4.59	ng	# 1
69) Atrazine	10.980	200	9181	5.91	ng	# 1
70) Pentachlorophenol	11.098	266	4261	11.99	ng	# 1
71) Phenanthrene	11.292	178	37671	3.72	ng	# 17
75) Fluoranthene	12.486	202	80973	7.46	ng	83
78) Pyrene	12.716	202	73970	4.46	ng	# 87
81) Benzo(a)anthracene	13.880	228	42956	3.01	ng	98
83) Chrysene	13.915	228	54723	3.91	ng	98
87) Indeno(1,2,3-cd)pyrene	16.733	276	32213	2.17	ng	98
88) Benzo(b)fluoranthene	14.910	252	103618	6.70	ng	97
89) Benzo(k)fluoranthene	14.910	252	103618	7.05	ng	# 96
90) Benzo(a)pyrene	15.257	252	35568	2.66	ng	# 94
92) Benzo(g,h,i)perylene	17.162	276	29966	2.45	ng	98

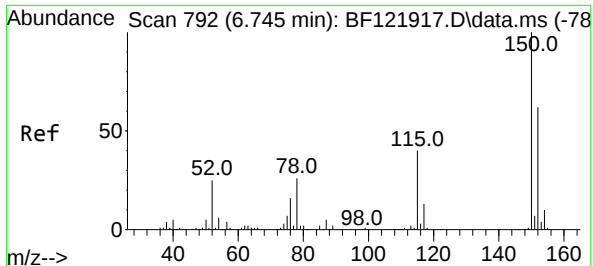
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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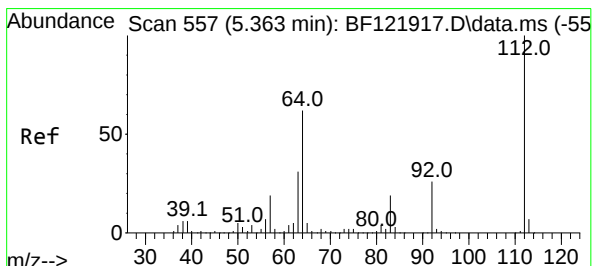
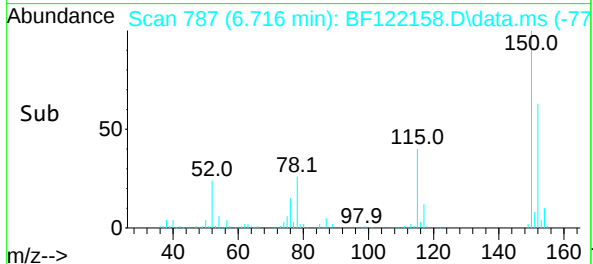
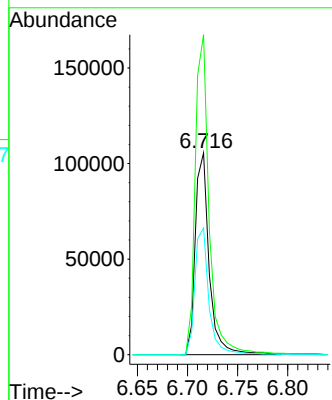
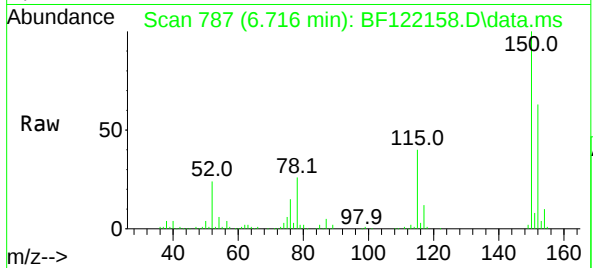




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.716 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

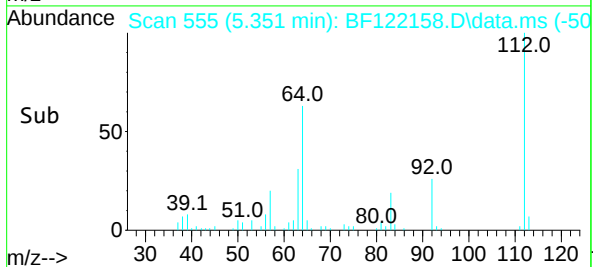
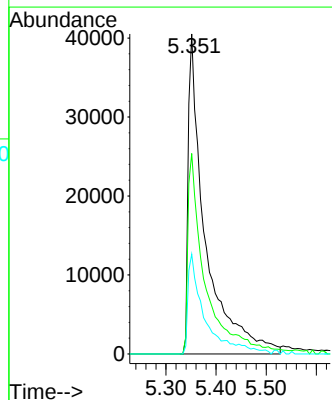
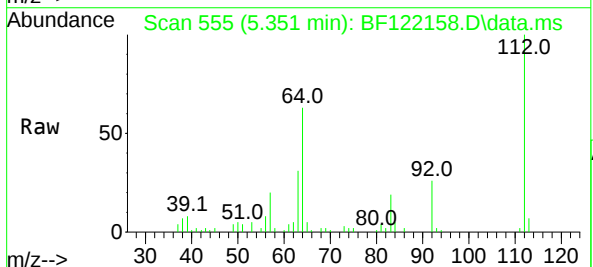
Instrument :
BNA_F
ClientSampleId :
26414-26215

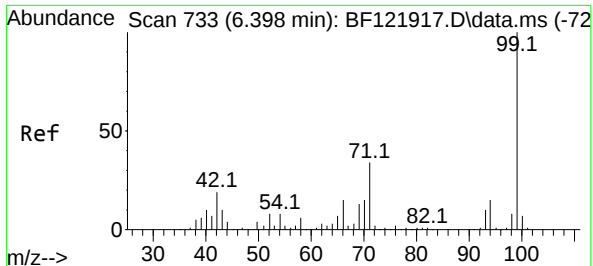
Tgt Ion:152 Resp: 102033
Ion Ratio Lower Upper
152 100
150 158.6 125.3 187.9
115 62.8 51.9 77.9



#5
2-Fluorophenol
Concen: 13.90 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.018 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt Ion:112 Resp: 96062
Ion Ratio Lower Upper
112 100
64 62.7 50.4 75.6
63 31.2 25.8 38.6

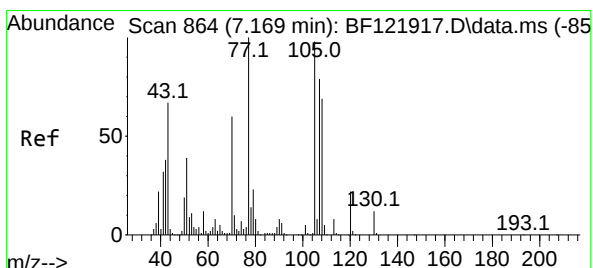
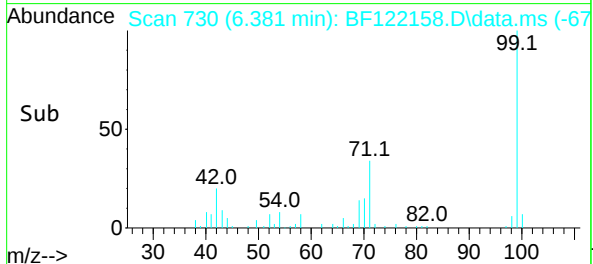
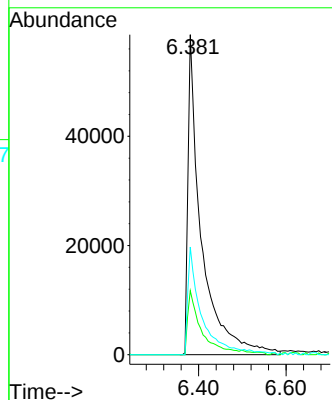
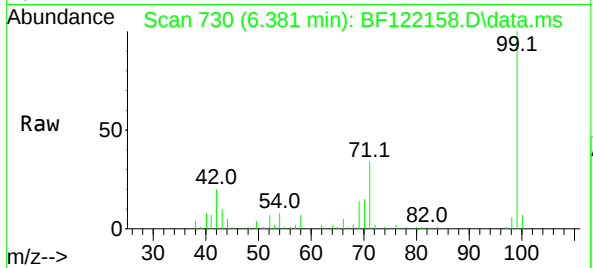




#7
Phenol-d6
Concen: 13.95 ng
RT: 6.381 min Scan# 730
Delta R.T. 0.012 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

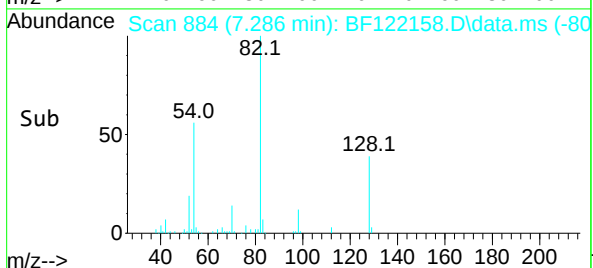
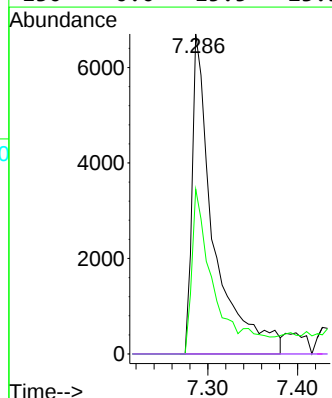
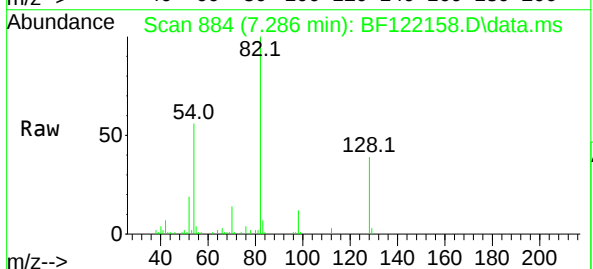
Instrument :
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26414-26215

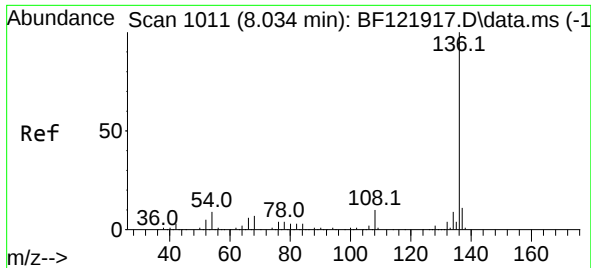
Tgt Ion: 99 Resp: 124116
Ion Ratio Lower Upper
99 100
42 20.0 15.9 23.9
71 33.7 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.21 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.147 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt Ion: 70 Resp: 11183
Ion Ratio Lower Upper
70 100
42 51.5 50.2 75.4
101 0.0 7.5 11.3#
130 0.0 15.5 23.3#



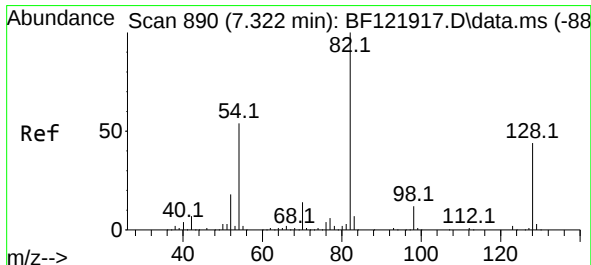
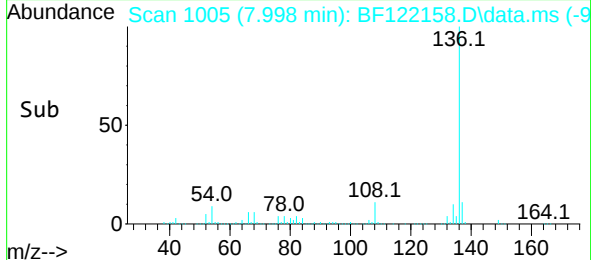
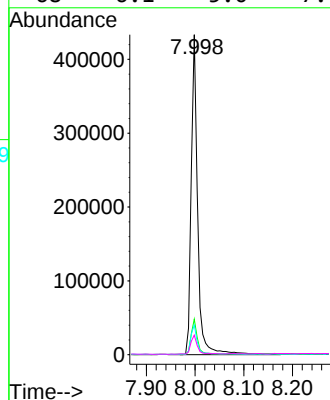
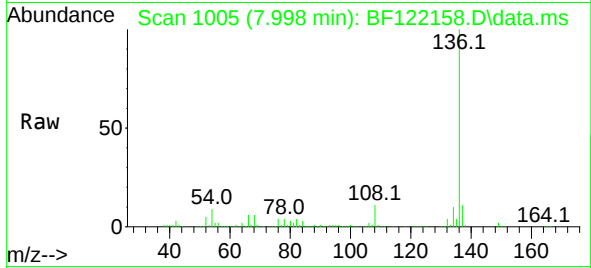


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Instrument :
BNA_F
ClientSampleId :
26414-26215

Tgt Ion:136 Resp: 398520

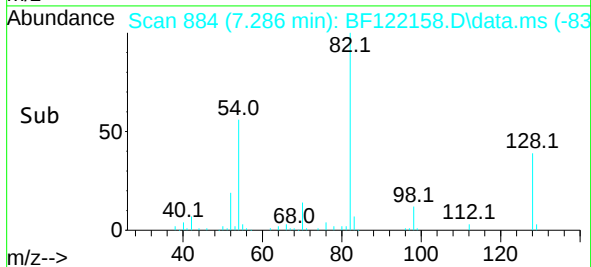
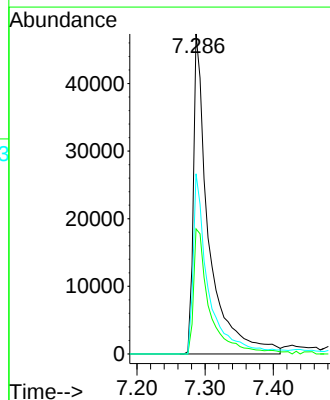
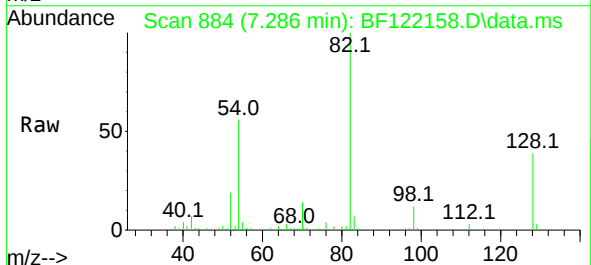
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.2	7.1	10.7
68	6.1	5.0	7.4

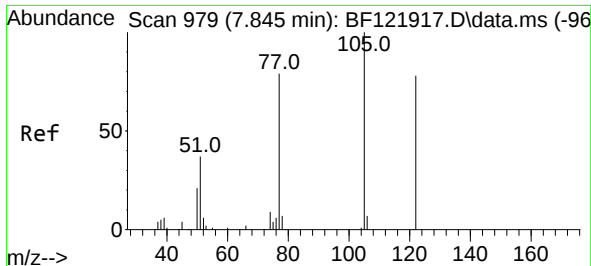


#23
Nitrobenzene-d5
Concen: 9.54 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt Ion: 82 Resp: 74104

Ion	Ratio	Lower	Upper
82	100		
128	39.1	35.0	52.4
54	56.3	43.9	65.9

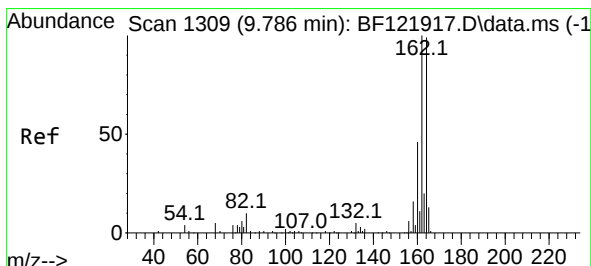
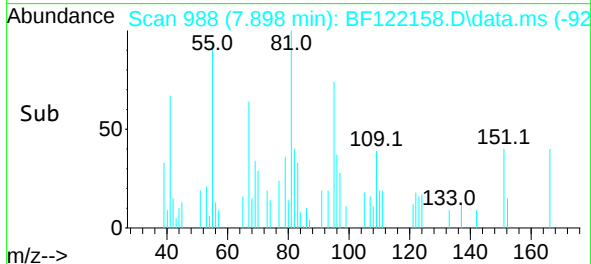
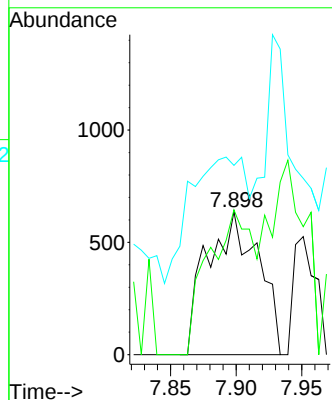
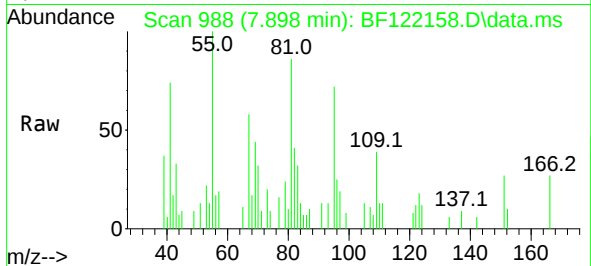




#32
Benzoic acid
Concen: 8.07 ng
RT: 7.898 min Scan# 988
Delta R.T. 0.070 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

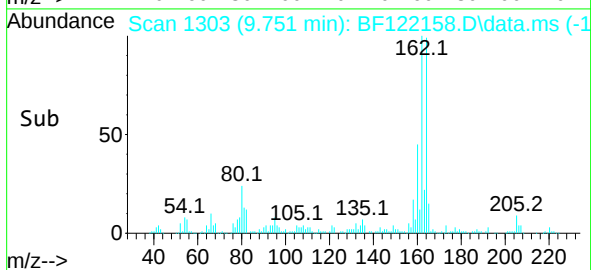
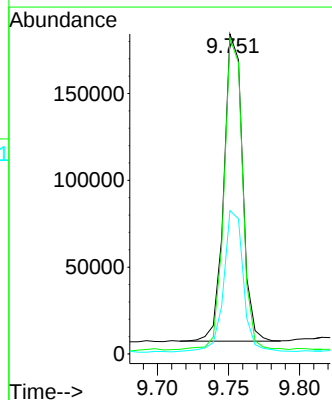
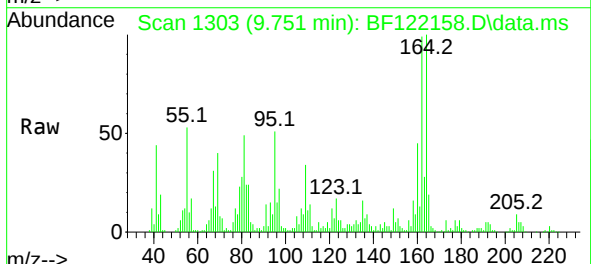
Instrument :
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ClientSampleId :
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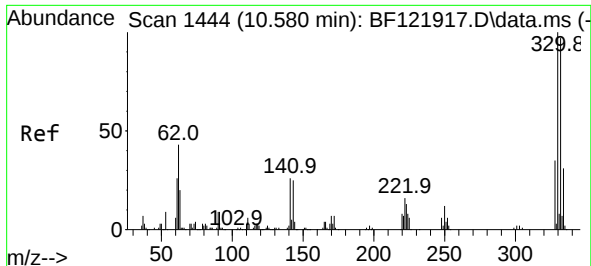
Tgt Ion:122 Resp: 1720
Ion Ratio Lower Upper
122 100
105 101.3 103.3 143.3#
77 132.3 73.9 113.9#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt Ion:164 Resp: 160705
Ion Ratio Lower Upper
164 100
162 98.6 83.2 124.8
160 44.8 37.5 56.3

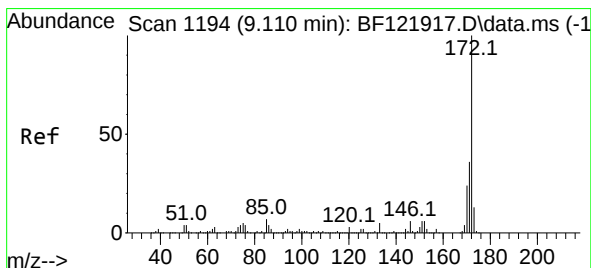
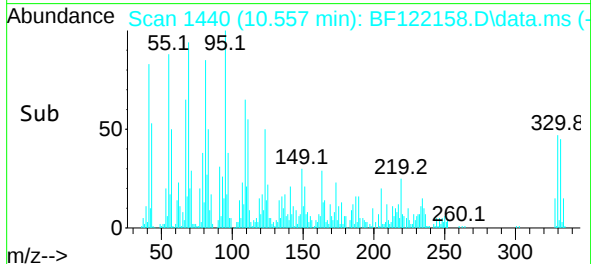
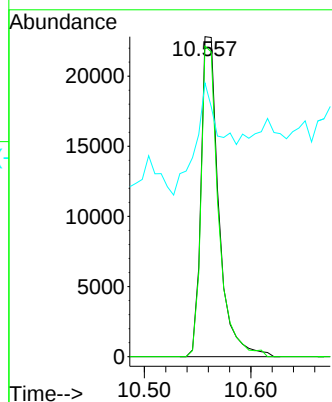
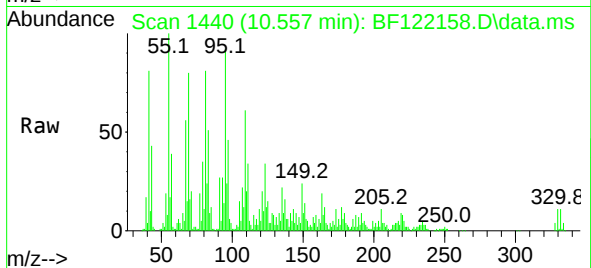




#42
 2,4,6-Tribromophenol
 Concen: 13.41 ng
 RT: 10.557 min Scan# 1440
 Delta R.T. 0.012 min
 Lab File: BF122158.D
 Acq: 28 Oct 2020 20:36

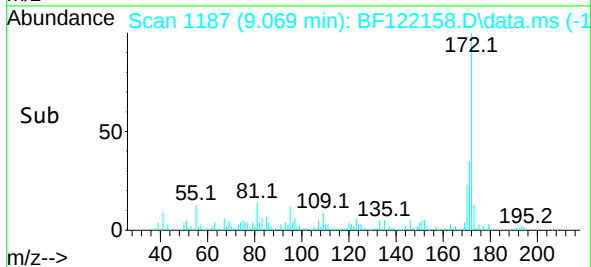
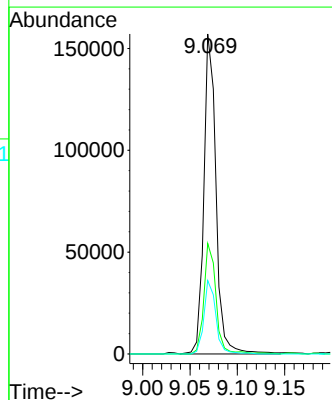
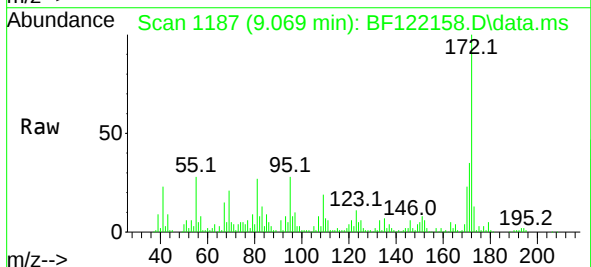
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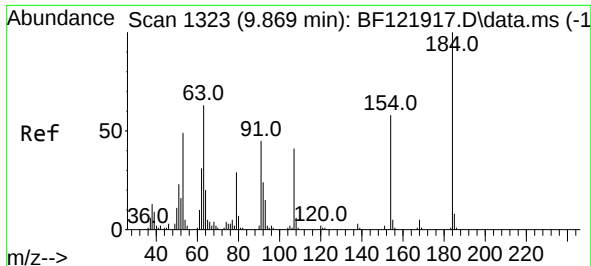
Tgt Ion:330 Resp: 26654
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.3 115.9
 141 54.1 22.3 33.5#



#45
 2-Fluorobiphenyl
 Concen: 12.91 ng
 RT: 9.069 min Scan# 1187
 Delta R.T. -0.006 min
 Lab File: BF122158.D
 Acq: 28 Oct 2020 20:36

Tgt Ion:172 Resp: 141032
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.1 43.7
 170 23.0 19.8 29.6

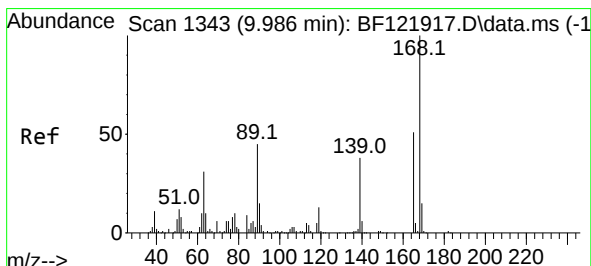
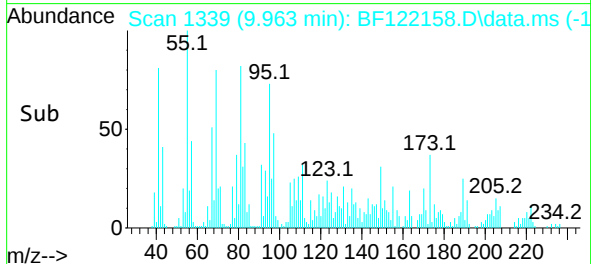
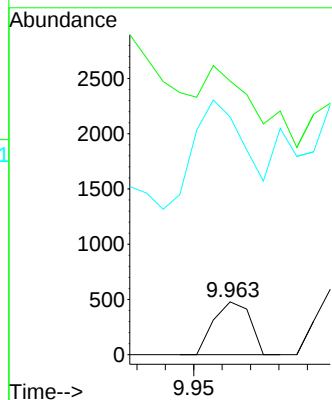
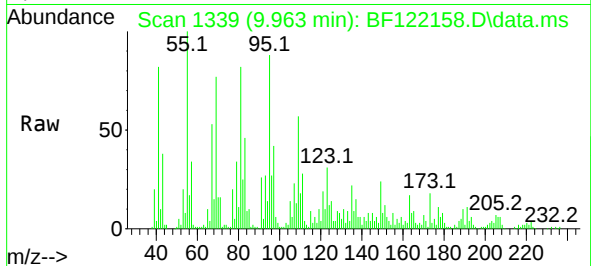




#54
2,4-Dinitrophenol
Concen: 8.97 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.118 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

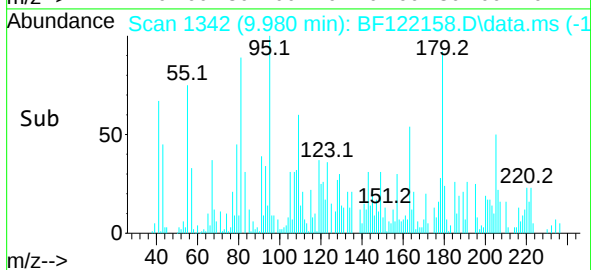
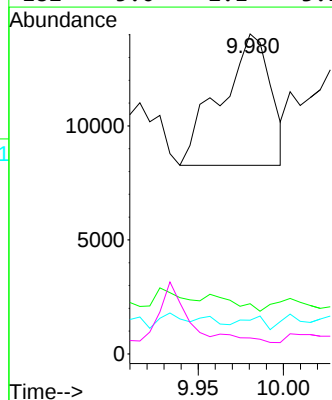
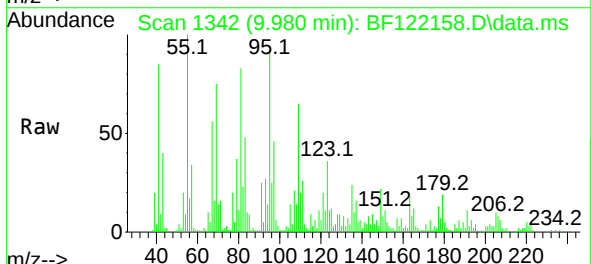
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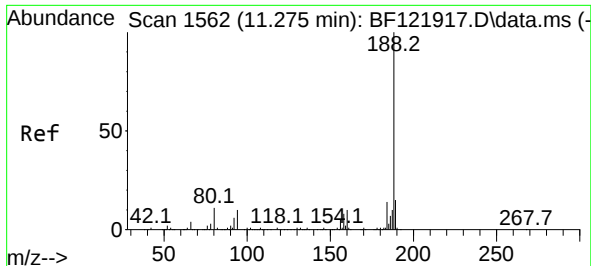
Tgt Ion:184	Resp:	425	
Ion	Ratio	Lower	Upper
184	100		
63	518.2	45.9	68.9#
154	450.2	45.8	68.6#



#57
2,4-Dinitrotoluene
Concen: 3.69 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.018 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt	Ion:165	Resp:	11711
Ion	Ratio	Lower	Upper
165	100		
63	15.7	41.3	61.9#
89	10.6	61.8	92.8#
182	5.0	2.1	3.1#

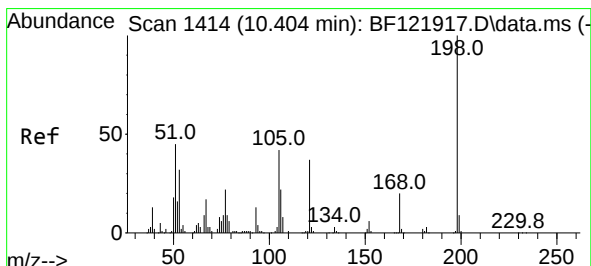
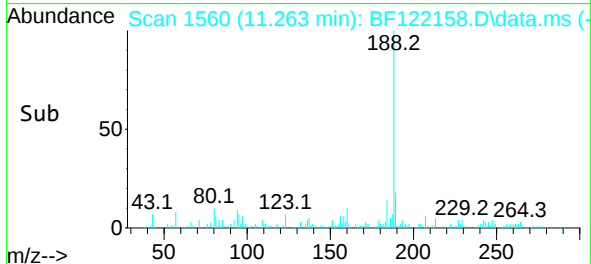
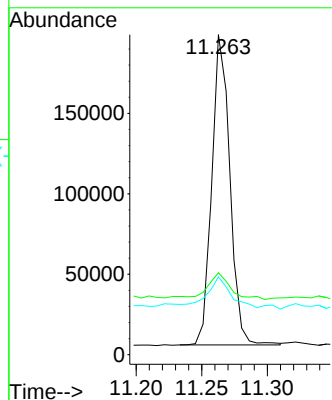
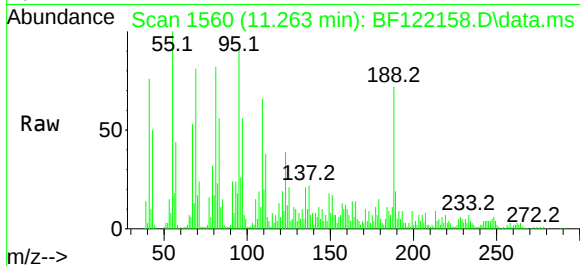




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.029 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

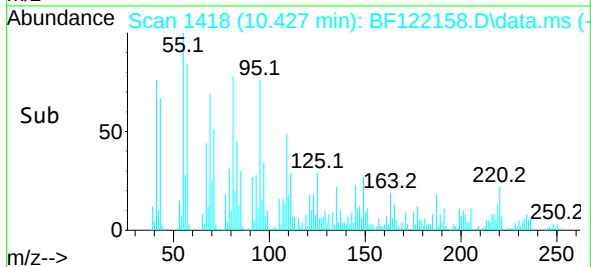
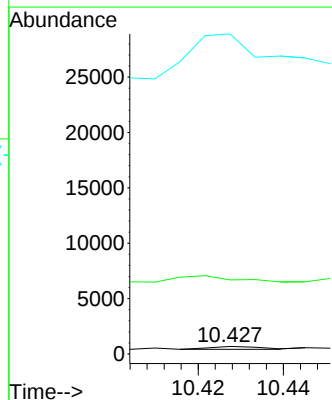
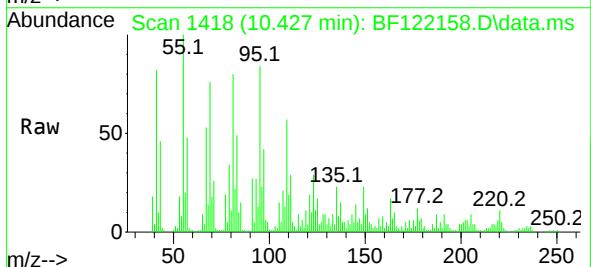
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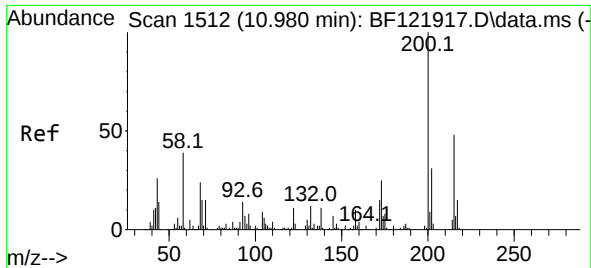
Tgt Ion:188 Resp: 184528
Ion Ratio Lower Upper
188 100
94 25.6 8.3 12.5#
80 24.3 9.1 13.7#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.59 ng
RT: 10.427 min Scan# 1418
Delta R.T. 0.053 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt Ion:198 Resp: 211
Ion Ratio Lower Upper
198 100
51 993.6 29.6 69.6#
105 4287.2 24.4 64.4#

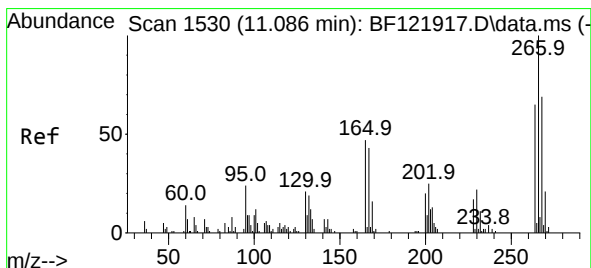
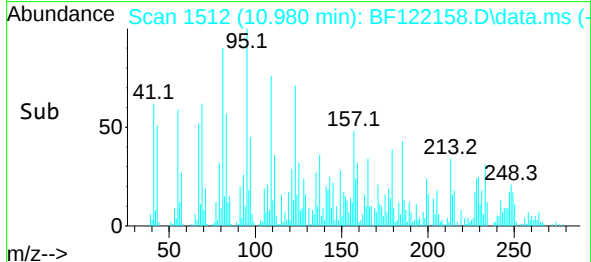
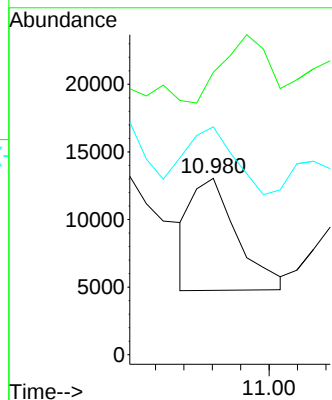
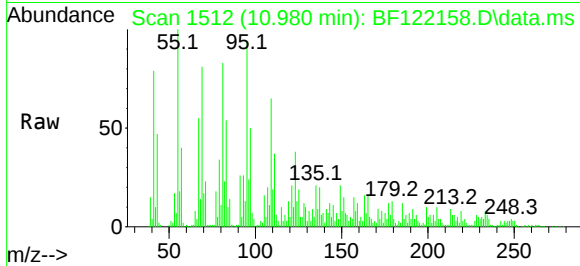




#69
Atrazine
Concen: 5.91 ng
RT: 10.980 min Scan# 1512
Delta R.T. 0.041 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

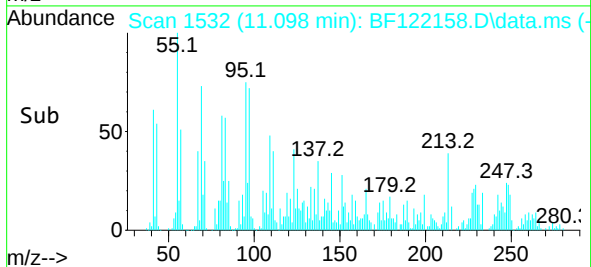
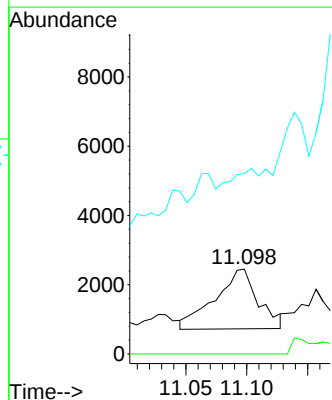
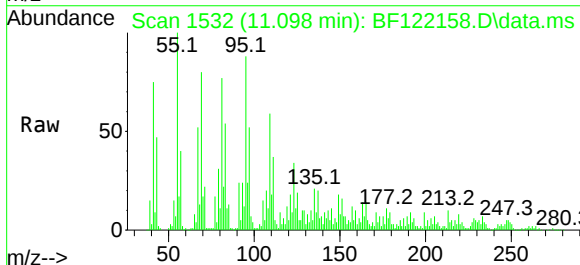
Instrument :
BNA_F
ClientSampleId :
26414-26215

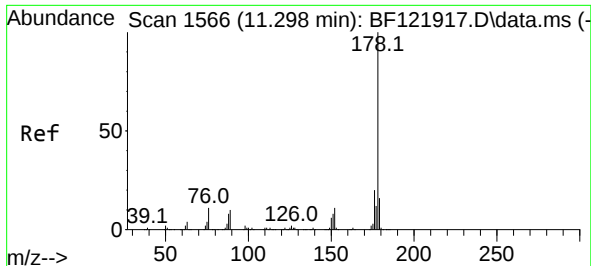
Tgt Ion:200 Resp: 9181
Ion Ratio Lower Upper
200 100
173 160.1 7.5 47.5#
215 129.2 27.1 67.1#



#70
Pentachlorophenol
Concen: 11.99 ng
RT: 11.098 min Scan# 1532
Delta R.T. 0.041 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt Ion:266 Resp: 4261
Ion Ratio Lower Upper
266 100
268 0.0 52.4 78.6#
264 212.6 49.9 74.9#

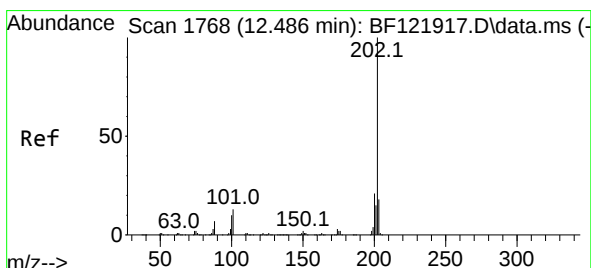
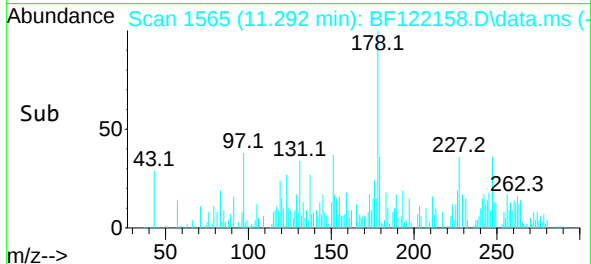
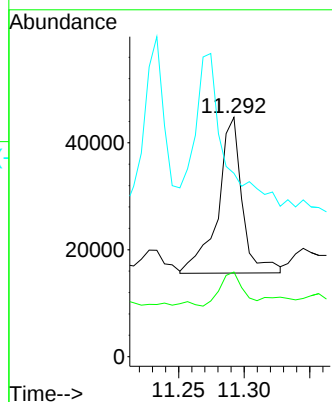
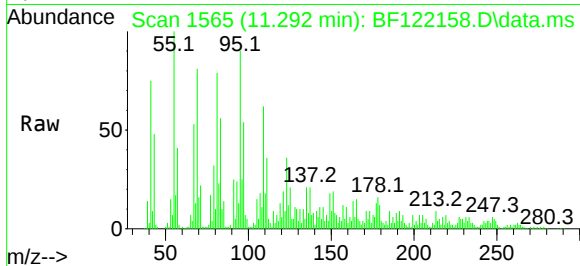




#71
Phenanthrene
Concen: 3.72 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.029 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

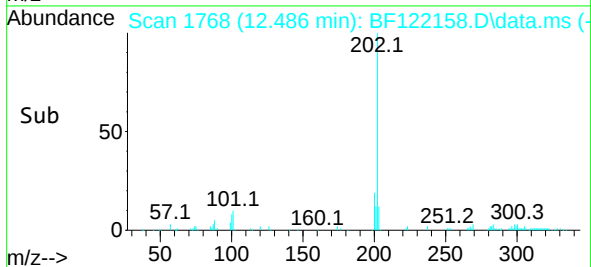
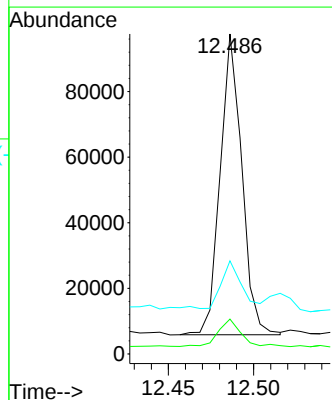
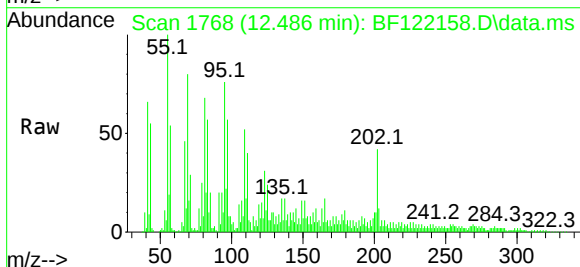
Instrument :
BNA_F
ClientSampleId :
26414-26215

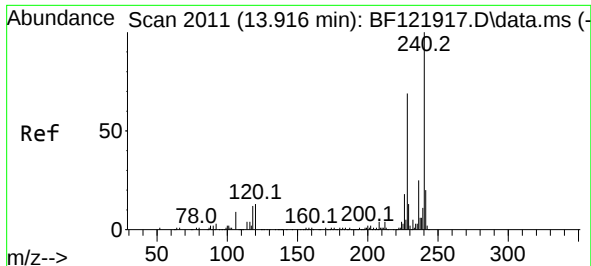
Tgt Ion:178 Resp: 37671
Ion Ratio Lower Upper
178 100
176 35.3 15.9 23.9#
179 76.6 12.2 18.4#



#75
Fluoranthene
Concen: 7.46 ng
RT: 12.486 min Scan# 1768
Delta R.T. 0.035 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt Ion:202 Resp: 80973
Ion Ratio Lower Upper
202 100
101 10.9 0.0 33.4
203 29.1 0.0 37.9

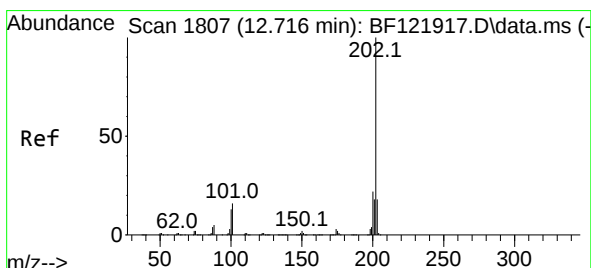
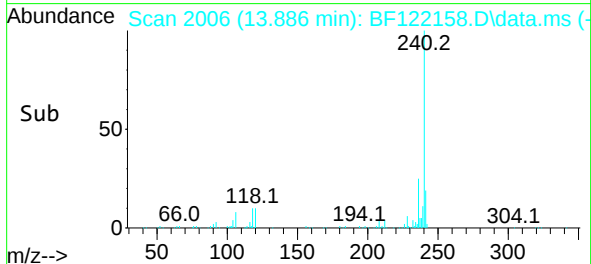
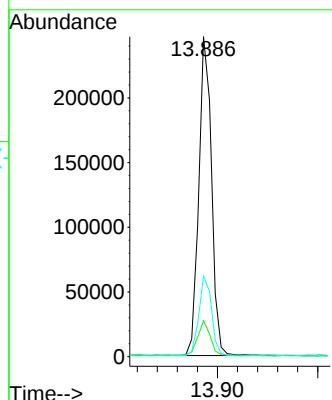
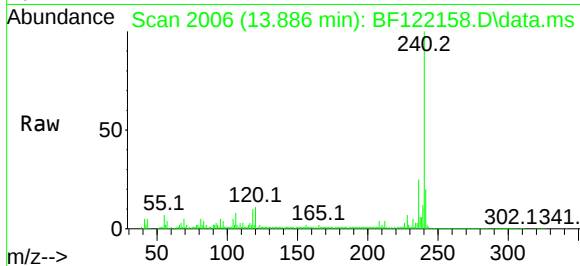




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

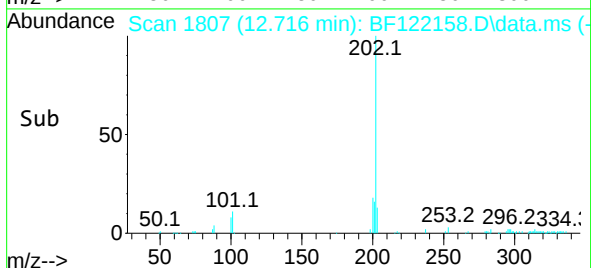
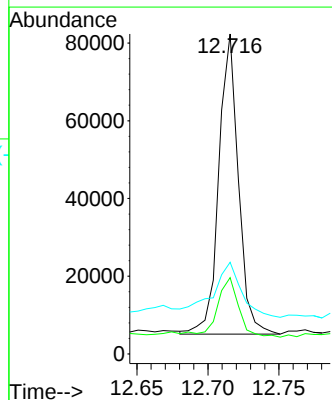
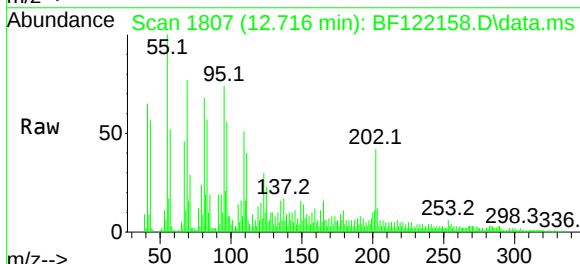
Instrument :
BNA_F
ClientSampleId :
26414-26215

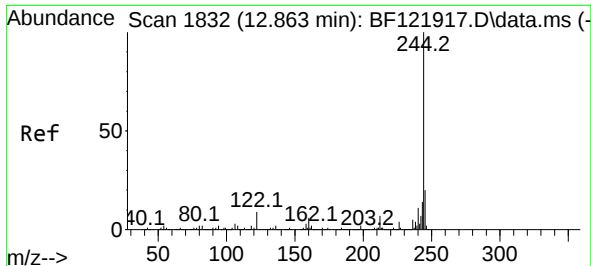
Tgt Ion:240 Resp: 217516
Ion Ratio Lower Upper
240 100
120 11.3 9.2 13.8
236 25.2 20.9 31.3



#78
Pyrene
Concen: 4.46 ng
RT: 12.716 min Scan# 1807
Delta R.T. 0.035 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt Ion:202 Resp: 73970
Ion Ratio Lower Upper
202 100
200 23.8 17.4 26.2
203 28.6 14.6 21.8#

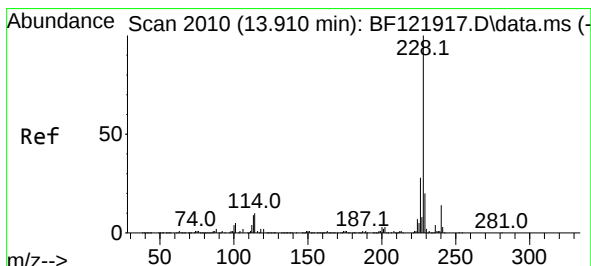
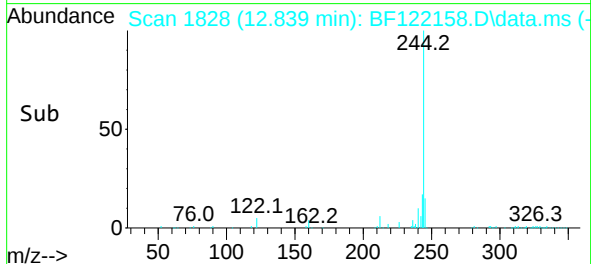
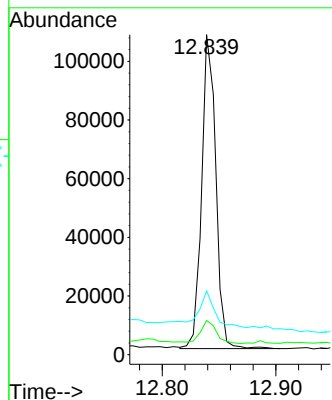
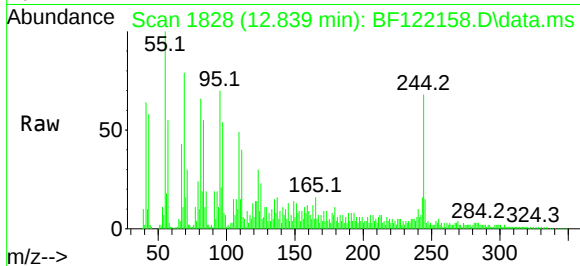




#79
 Terphenyl-d14
 Concen: 8.12 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. 0.023 min
 Lab File: BF122158.D
 Acq: 28 Oct 2020 20:36

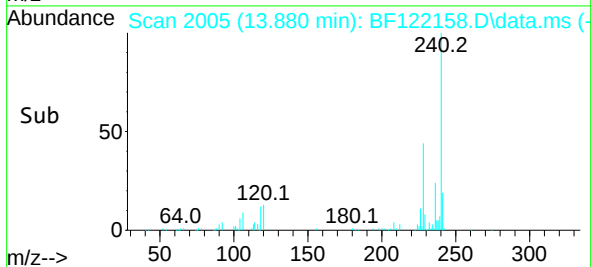
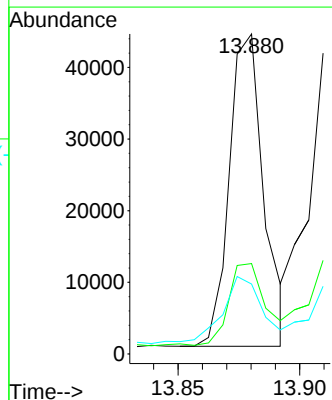
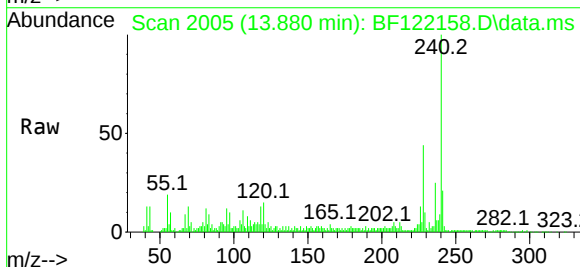
Instrument :
 BNA_F
 ClientSampleId :
 26414-26215

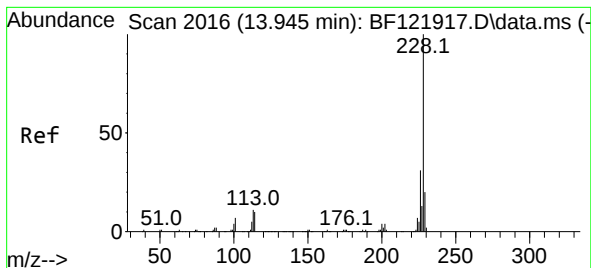
Tgt Ion:244 Resp: 92711
 Ion Ratio Lower Upper
 244 100
 212 10.7 5.4 8.2#
 122 19.9 8.1 12.1#



#81
 Benzo(a)anthracene
 Concen: 3.01 ng
 RT: 13.880 min Scan# 2005
 Delta R.T. 0.012 min
 Lab File: BF122158.D
 Acq: 28 Oct 2020 20:36

Tgt Ion:228 Resp: 42956
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.3 33.5
 229 21.8 16.2 24.4





#83

Chrysene

Concen: 3.91 ng

RT: 13.915 min Scan# 2011

Delta R.T. 0.012 min

Lab File: BF122158.D

Acq: 28 Oct 2020 20:36

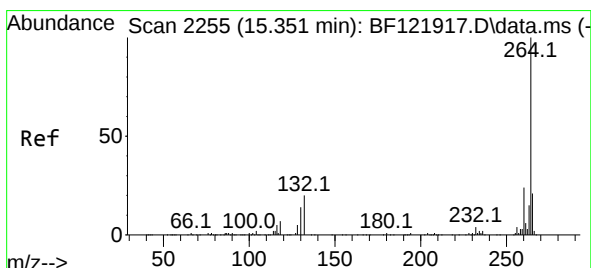
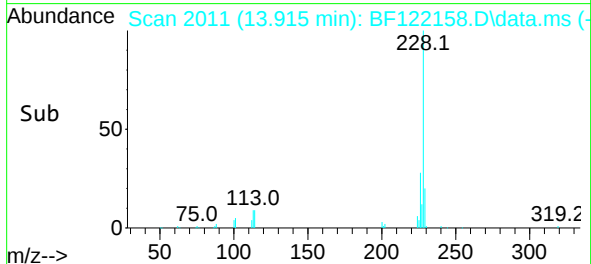
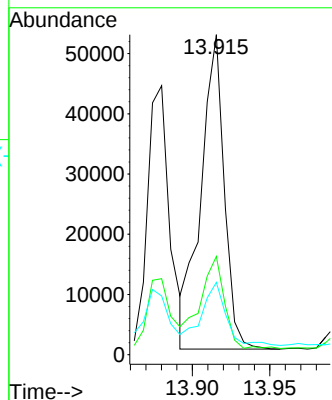
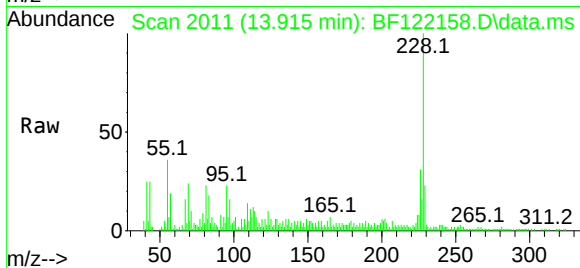
Tgt Ion:	228	Resp:	54723
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.6	37.0
229	22.6	15.9	23.9

Instrument :

BNA_F

ClientSampleId :

26414-26215



#86

Perylene-d12

Concen: 20.00 ng

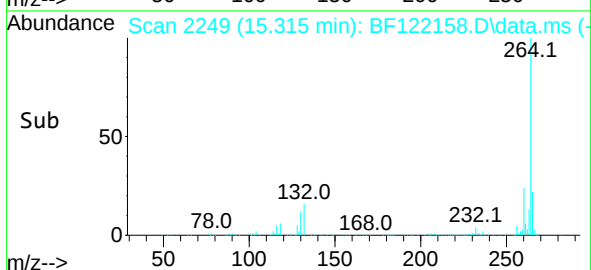
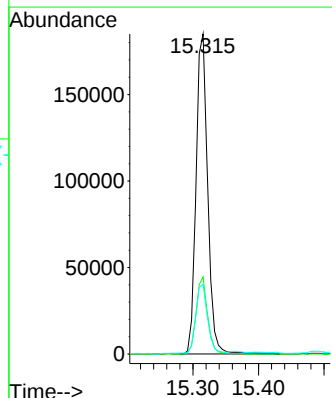
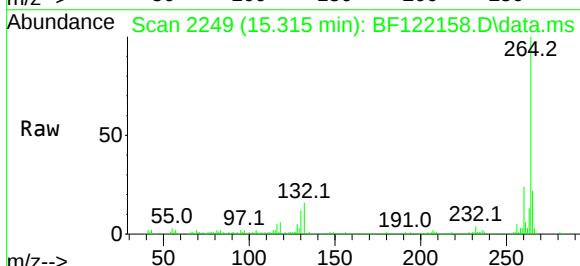
RT: 15.315 min Scan# 2249

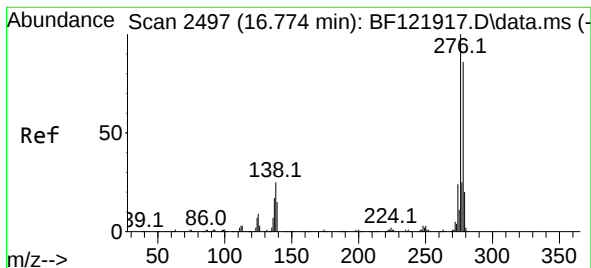
Delta R.T. 0.012 min

Lab File: BF122158.D

Acq: 28 Oct 2020 20:36

Tgt Ion:	264	Resp:	228956
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.7	28.1
265	21.7	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.17 ng

RT: 16.733 min Scan# 2490

Delta R.T. 0.018 min

Lab File: BF122158.D

Acq: 28 Oct 2020 20:36

Tgt Ion:276 Resp: 32213

Ion Ratio Lower Upper

276 100

138 22.7 19.9 29.9

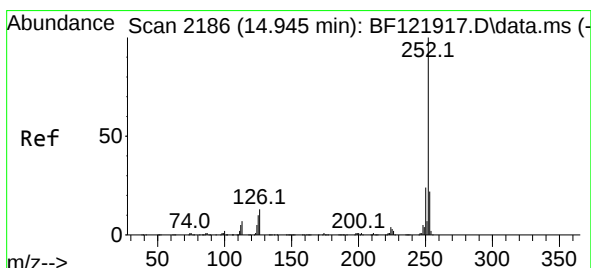
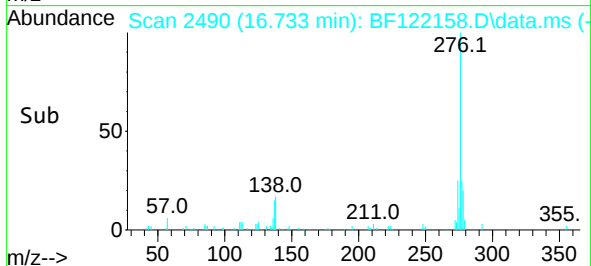
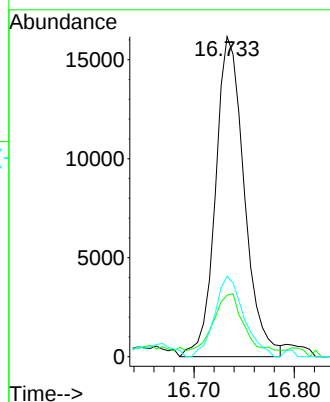
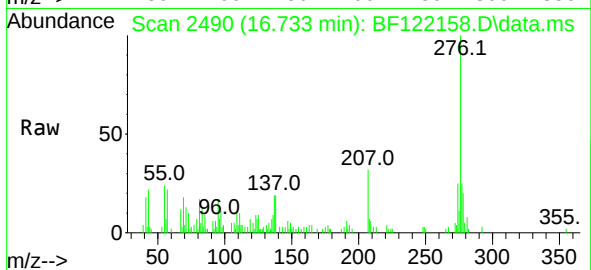
277 25.4 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

26414-26215



#88

Benzo(b)fluoranthene

Concen: 6.70 ng

RT: 14.910 min Scan# 2180

Delta R.T. 0.012 min

Lab File: BF122158.D

Acq: 28 Oct 2020 20:36

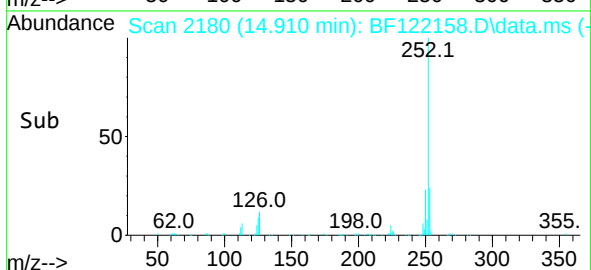
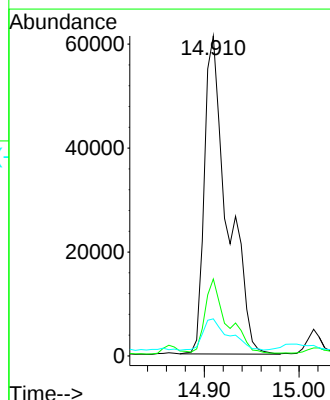
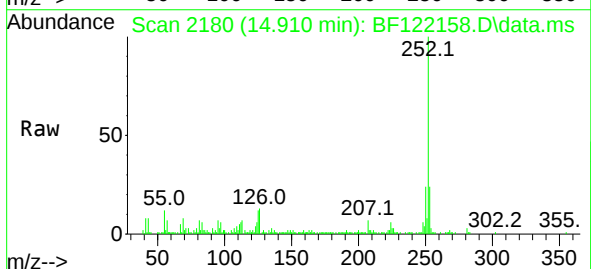
Tgt Ion:252 Resp: 103618

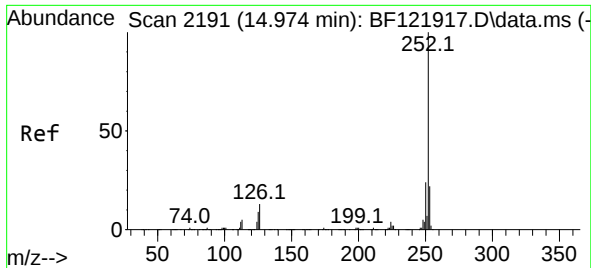
Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

125 11.6 8.0 12.0

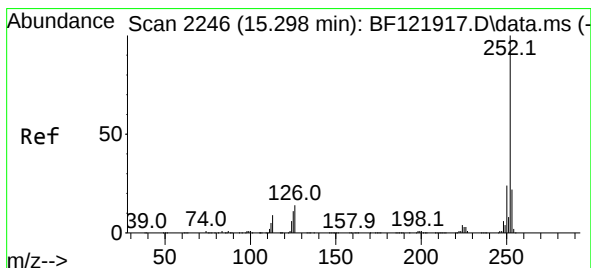
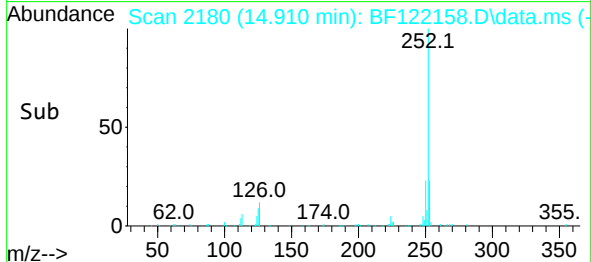
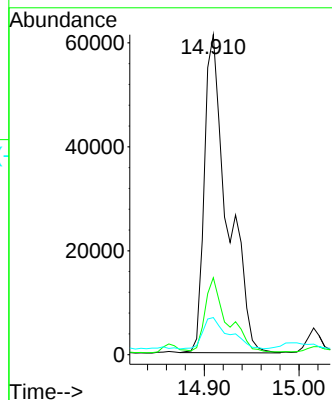
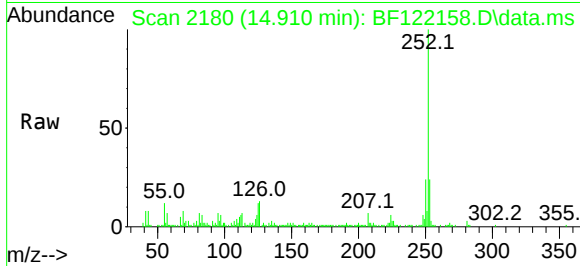




#89
Benzo(k)fluoranthene
Concen: 7.05 ng
RT: 14.910 min Scan# 2180
Delta R.T. -0.018 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

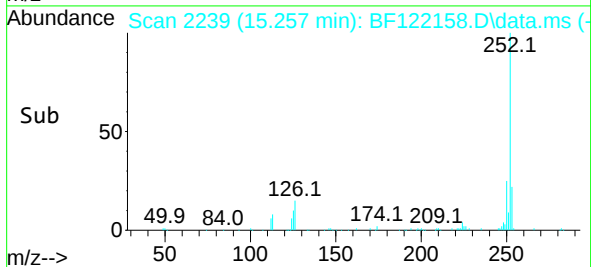
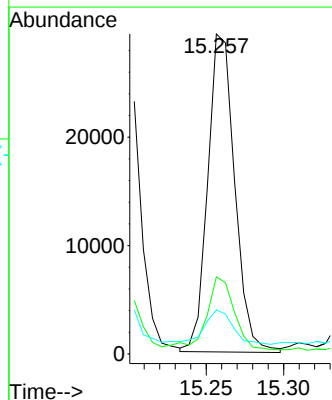
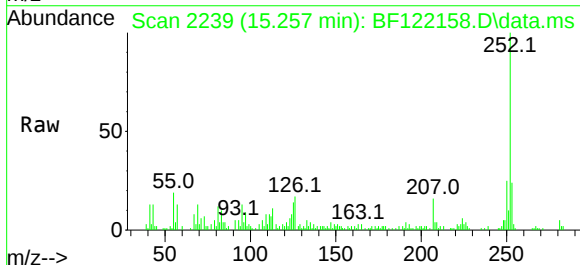
Instrument :
BNA_F
ClientSampleId :
26414-26215

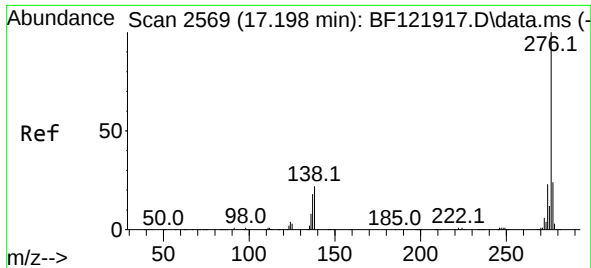
Tgt Ion:252 Resp: 103618
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 11.6 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 2.66 ng
RT: 15.257 min Scan# 2239
Delta R.T. 0.006 min
Lab File: BF122158.D
Acq: 28 Oct 2020 20:36

Tgt Ion:252 Resp: 35568
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 13.8 8.6 13.0#





#92
 Benzo(g,h,i)perylene
 Concen: 2.45 ng
 RT: 17.162 min Scan# 2563
 Delta R.T. 0.029 min
 Lab File: BF122158.D
 Acq: 28 Oct 2020 20:36

Instrument :
 BNA_F
 ClientSampleId :
 26414-26215

Tgt Ion:276 Resp: 29966
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.4 29.2
 138 22.6 17.8 26.6

