

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061421\
 Data File : BF124316.D
 Acq On : 14 Jun 2021 20:33
 Operator : JU/CG
 Sample : M2639-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B67

Quant Time: Jun 15 02:27:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 14 12:10:02 2021
 Response via : Initial Calibration

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

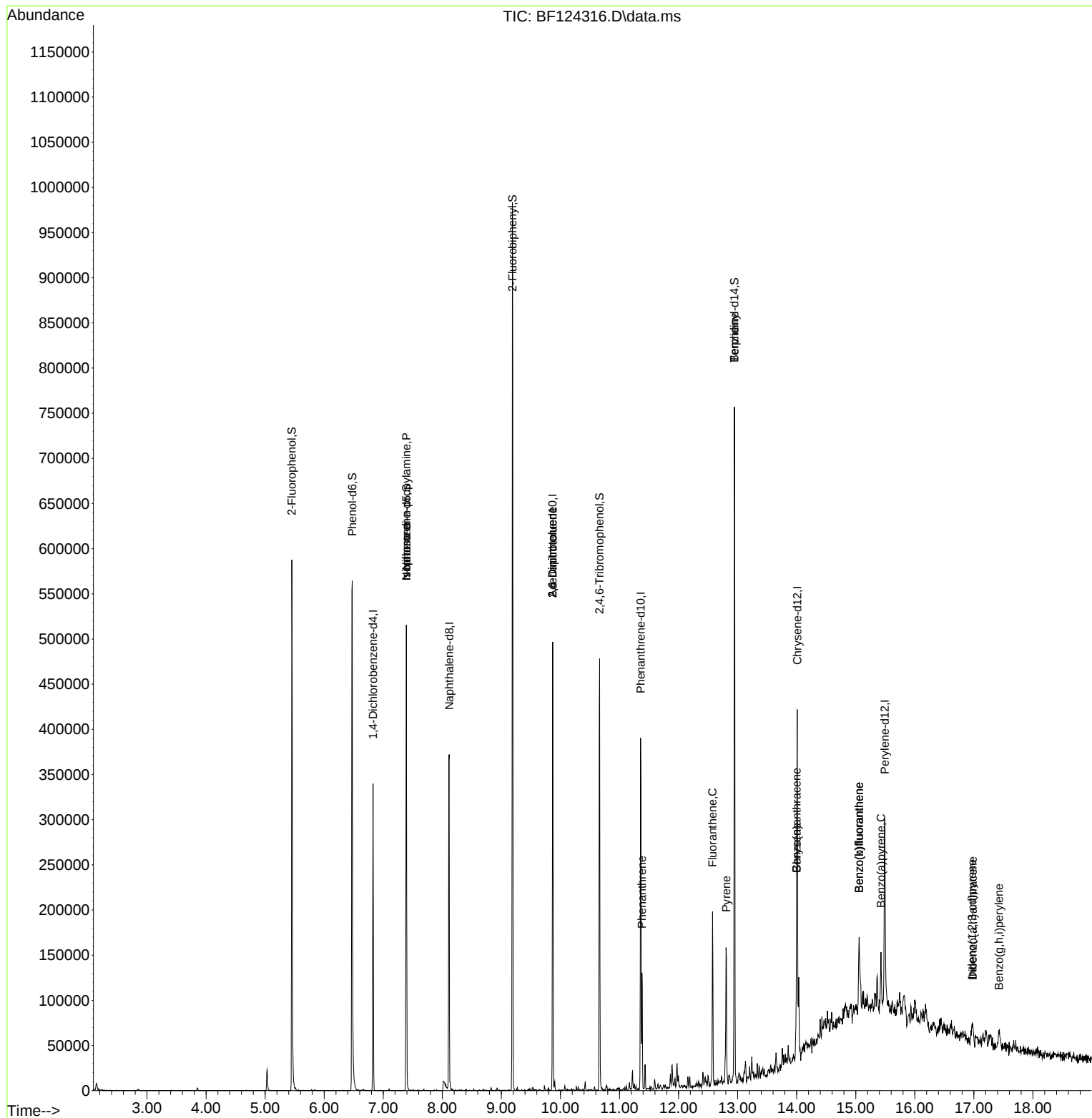
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	38771	20.00	ng	0.00
21) Naphthalene-d8	8.116	136	151559	20.00	ng	0.00
39) Acenaphthene-d10	9.869	164	84504	20.00	ng	0.00
64) Phenanthrene-d10	11.357	188	129682	20.00	ng	-0.01
76) Chrysene-d12	14.010	240	104922	20.00	ng	0.00
86) Perylene-d12	15.492	264	74778	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	127794	49.62	ng	0.00
7) Phenol-d6	6.475	99	178229	51.48	ng	0.00
23) Nitrobenzene-d5	7.392	82	140244	36.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	47364	39.56	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	258949	38.56	ng	-0.01
79) Terphenyl-d14	12.945	244	215546	28.21	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	19542	8.00	ng	# 69
25) Isophorone	7.392	82	139444	20.25	ng	# 69
51) 2,6-Dinitrotoluene	9.869	165	10954	6.83	ng	# 10
57) 2,4-Dinitrotoluene	9.869	165	10954	5.18	ng	# 15
71) Phenanthrene	11.380	178	43798	5.41	ng	# 95
75) Fluoranthene	12.574	202	67139	7.90	ng	# 95
77) Benzidine	12.945	184	4005	5.56	ng	# 79
78) Pyrene	12.810	202	62977	6.25	ng	# 96
81) Benzo(a)anthracene	13.998	228	32721	4.28	ng	# 93
83) Chrysene	13.998	228	32721	4.44	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.968	276	11481	6.01	ng	# 82
88) Benzo(b)fluoranthene	15.057	252	44488	7.66	ng	# 96
89) Benzo(k)fluoranthene	15.057	252	44488	8.09	ng	# 96
90) Benzo(a)pyrene	15.427	252	22116	4.38	ng	# 88
91) Dibenzo(a,h)anthracene	16.980	278	4504	4.95	ng	# 66
92) Benzo(g,h,i)perylene	17.427	276	12477	6.00	ng	# 99

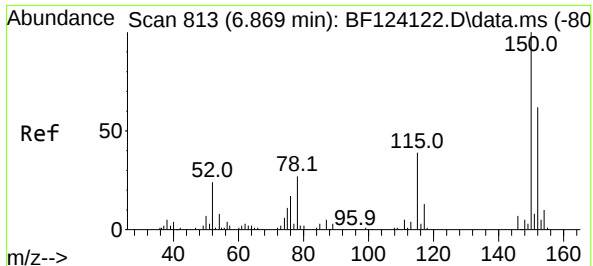
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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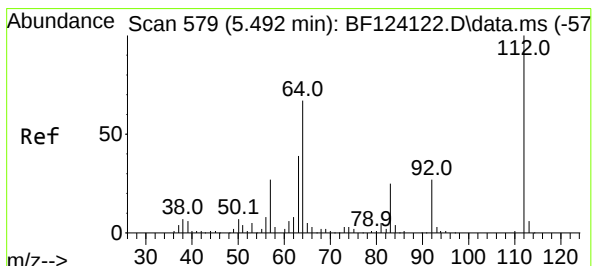
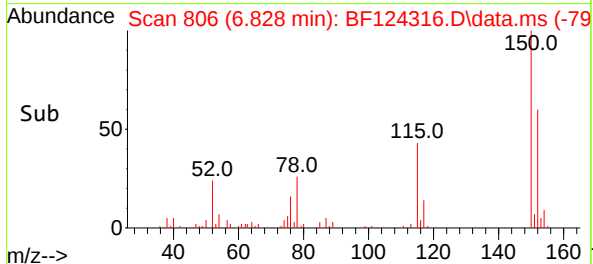
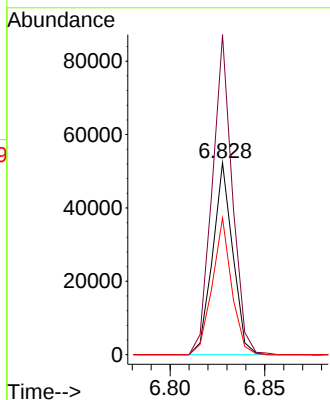
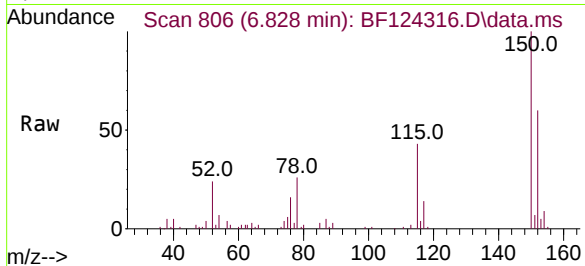




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

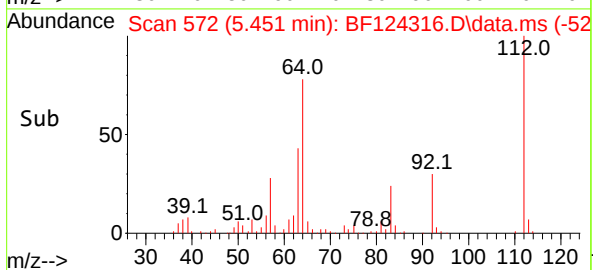
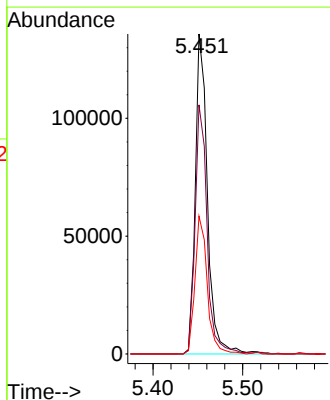
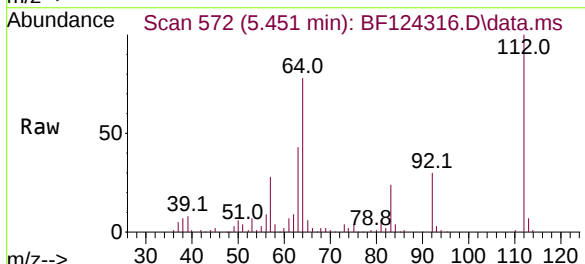
Instrument :
BNA_F
ClientSampleId :
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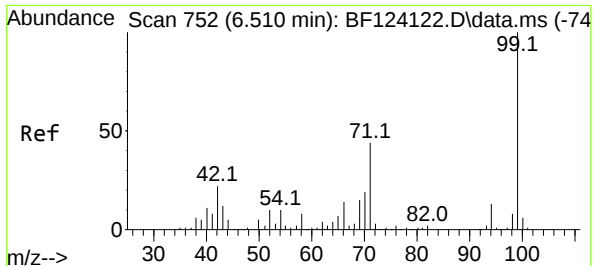
Tgt Ion:152 Resp: 38771
Ion Ratio Lower Upper
152 100
150 166.7 127.0 190.6
115 71.3 54.3 81.5



#5
2-Fluorophenol
Concen: 49.62 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion:112 Resp: 127794
Ion Ratio Lower Upper
112 100
64 77.8 61.4 92.0
63 43.1 33.0 49.4

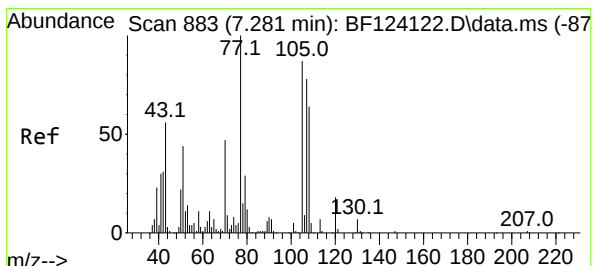
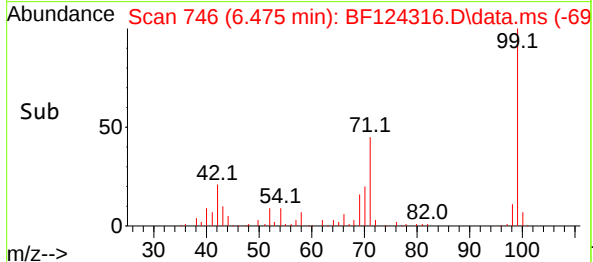
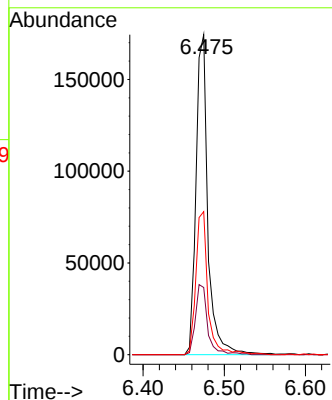
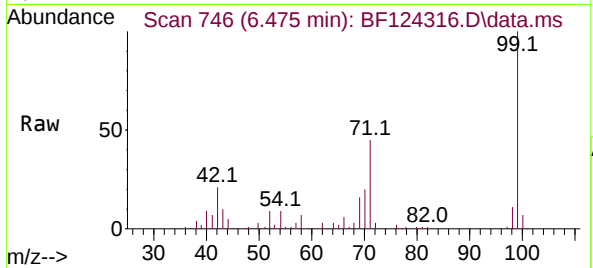




#7
Phenol-d6
Concen: 51.48 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

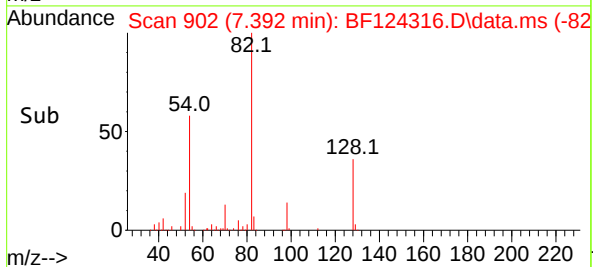
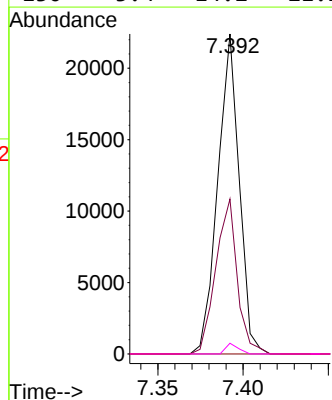
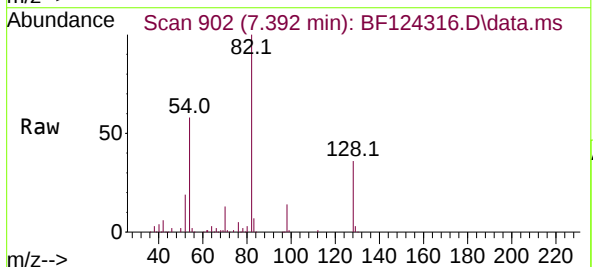
Instrument :
BNA_F
ClientSampleId :
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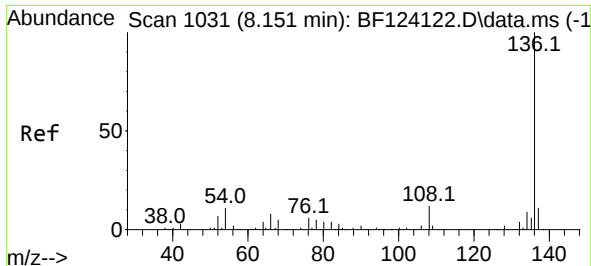
Tgt Ion: 99 Resp: 178229
Ion Ratio Lower Upper
99 100
42 21.0 19.8 29.8
71 44.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 8.00 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

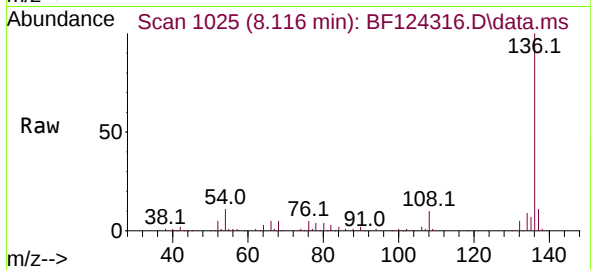
Tgt Ion: 70 Resp: 19542
Ion Ratio Lower Upper
70 100
42 48.4 60.1 90.1#
101 0.0 7.4 11.2#
130 3.4 14.2 21.2#



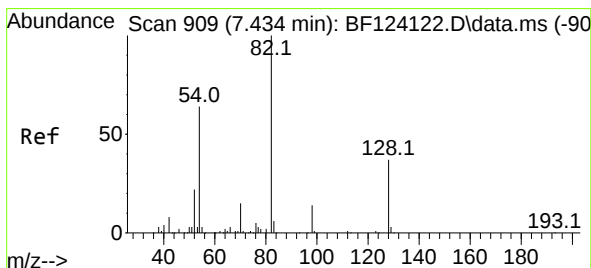
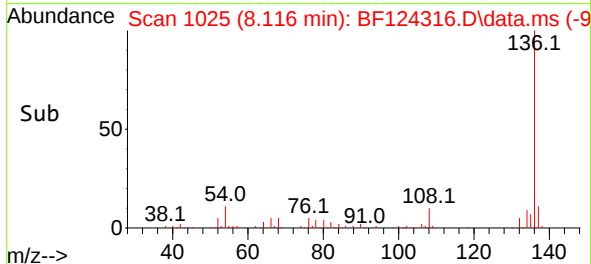
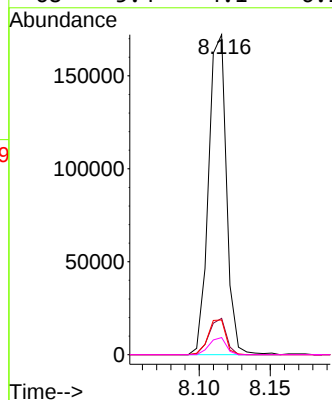


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Instrument :
BNA_F
ClientSampled :
B67

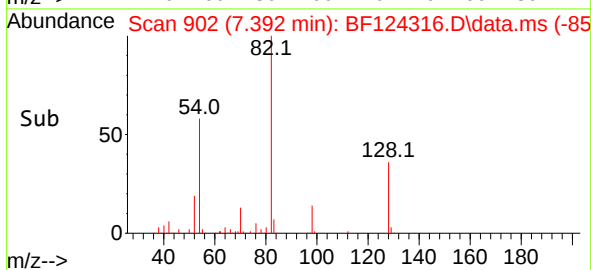
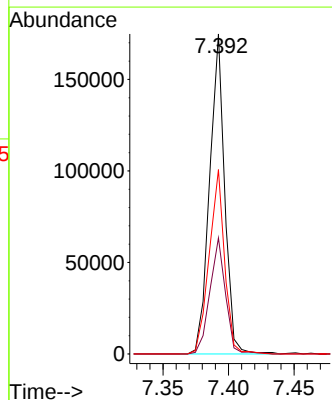
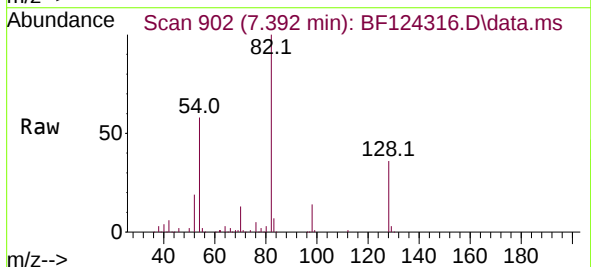


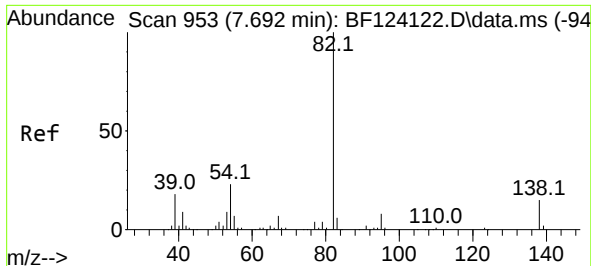
Tgt Ion:136 Resp: 151559
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 10.8 9.8 14.6
68 5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 36.70 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion: 82 Resp: 140244
Ion Ratio Lower Upper
82 100
128 36.3 29.4 44.2
54 57.6 54.1 81.1

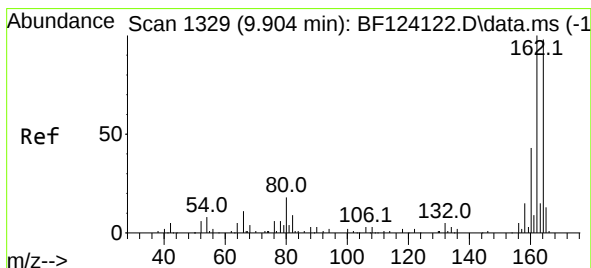
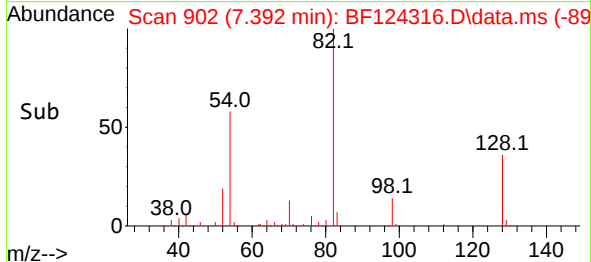
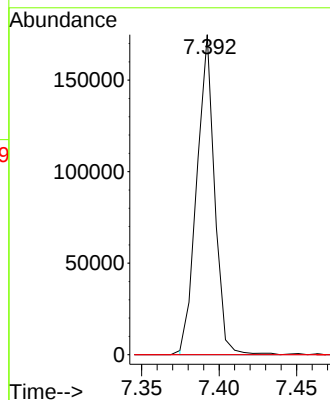
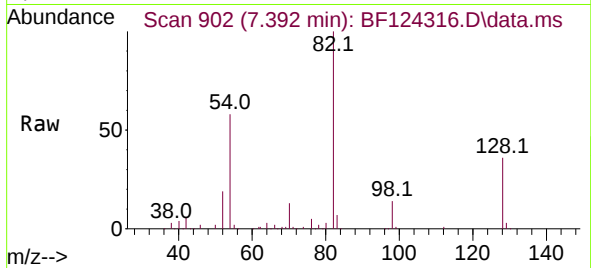




#25
Isophorone
Concen: 20.25 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.271 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

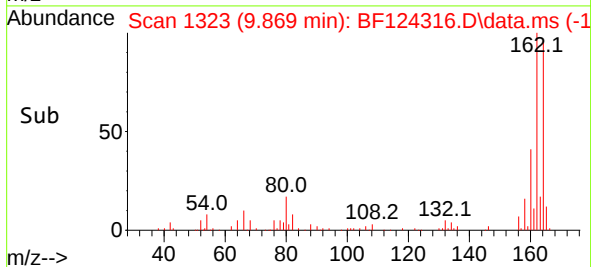
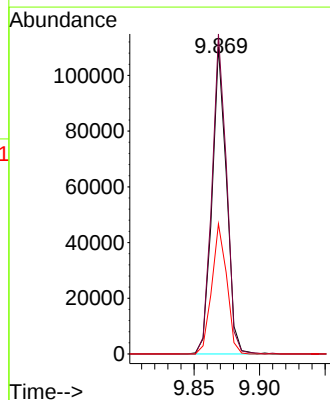
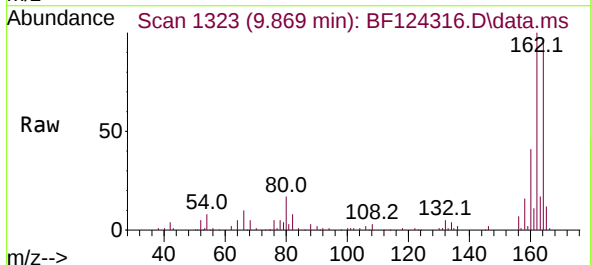
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ClientSampleId :
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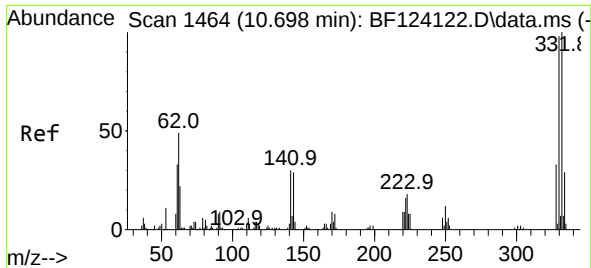
Tgt Ion: 82 Resp: 139444
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion:164 Resp: 84504
Ion Ratio Lower Upper
164 100
162 104.2 80.7 121.1
160 42.4 37.3 55.9

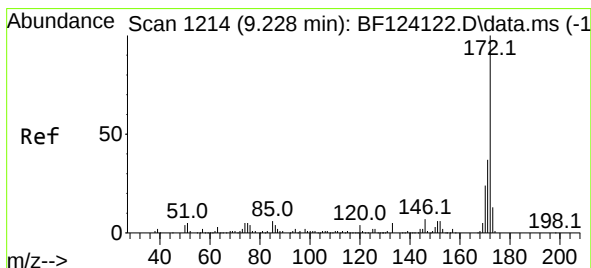
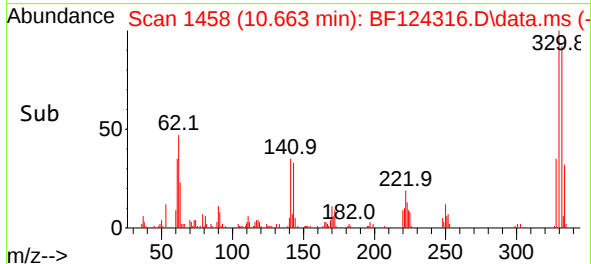
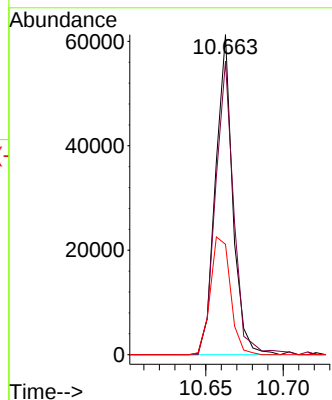
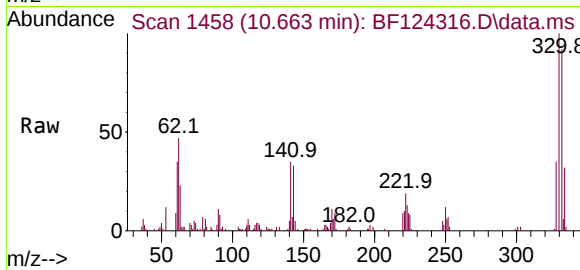




#42
2,4,6-Tribromophenol
Concen: 39.56 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

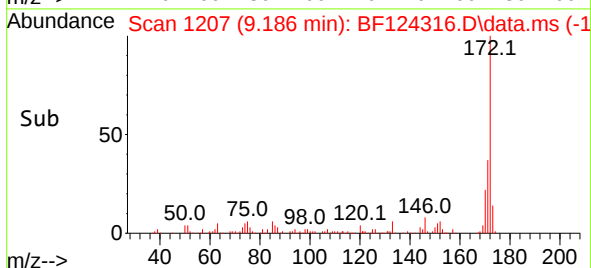
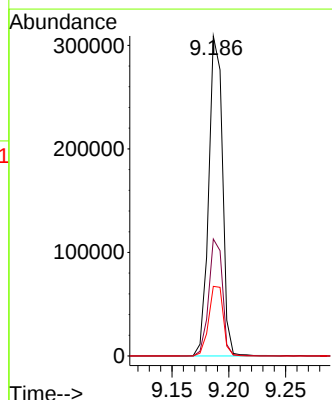
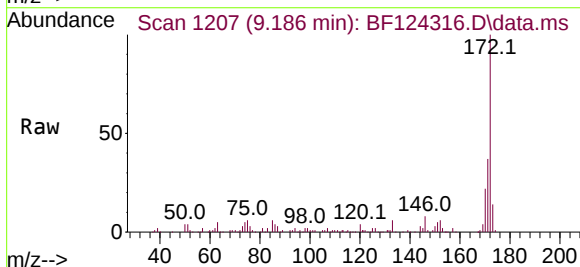
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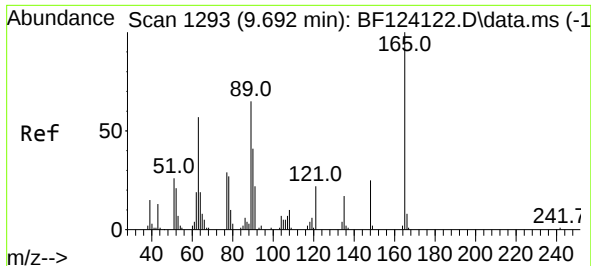
Tgt Ion: 330 Resp: 47364
Ion Ratio Lower Upper
330 100
332 97.8 77.1 115.7
141 43.0 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 38.56 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion: 172 Resp: 258949
Ion Ratio Lower Upper
172 100
171 36.6 28.1 42.1
170 21.7 19.2 28.8

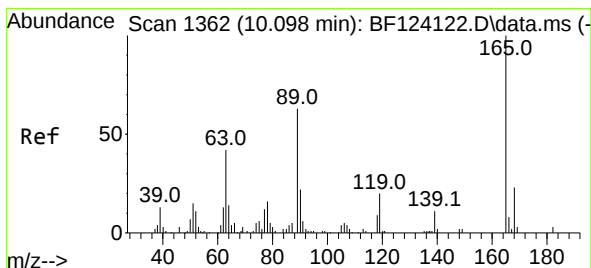
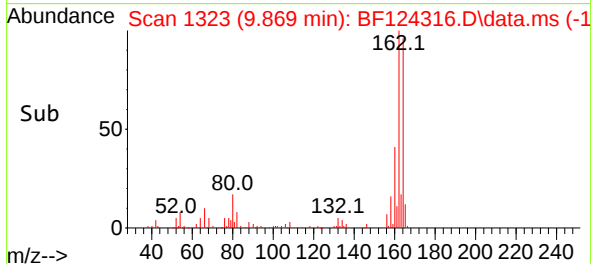
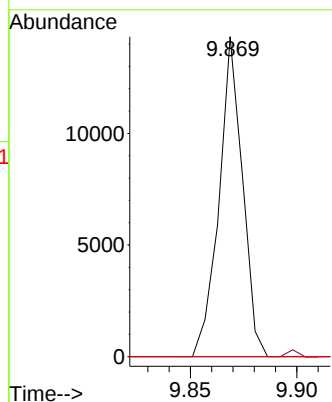
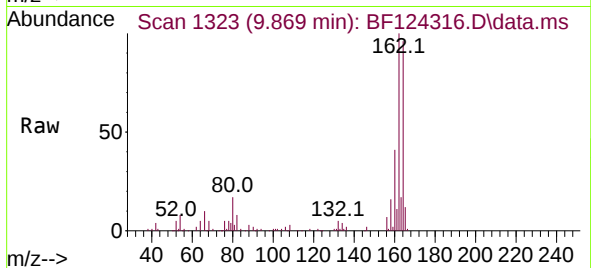




#51
2,6-Dinitrotoluene
Concen: 6.83 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.200 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

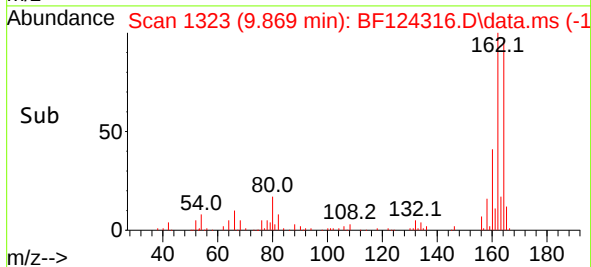
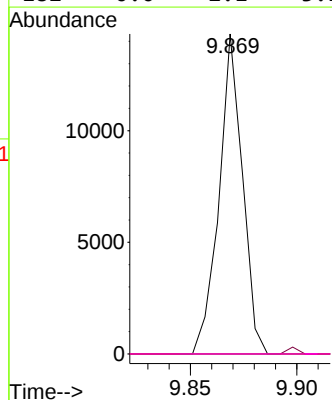
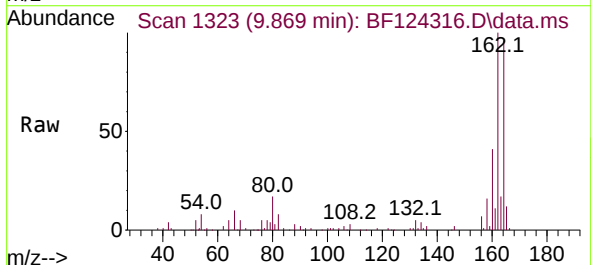
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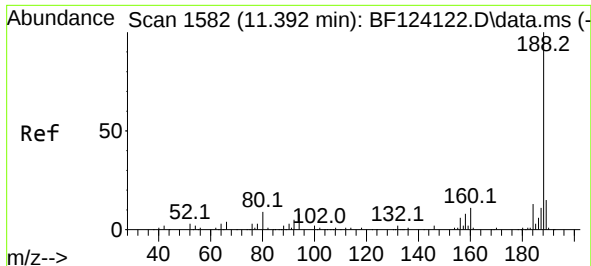
Tgt Ion:165 Resp: 10954
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.18 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.206 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion:165 Resp: 10954
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

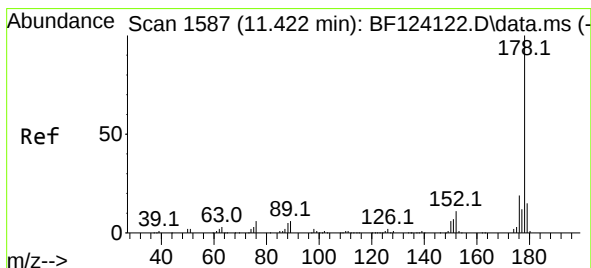
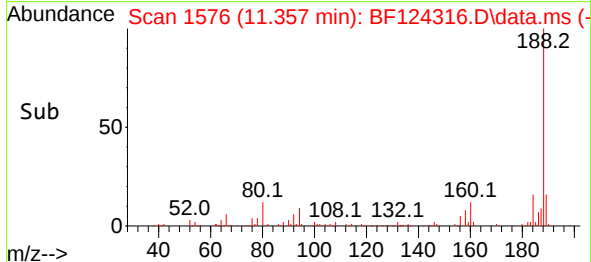
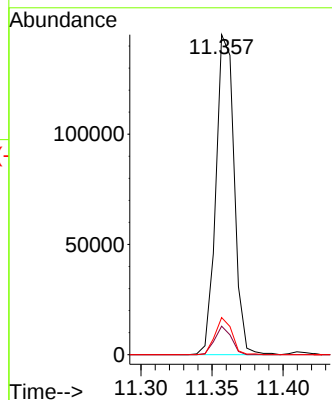
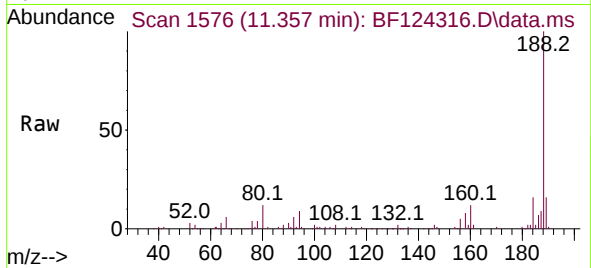




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

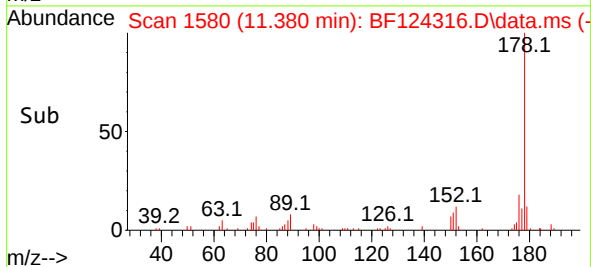
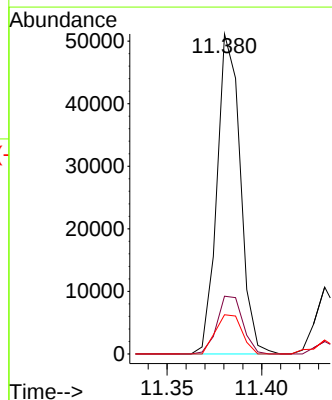
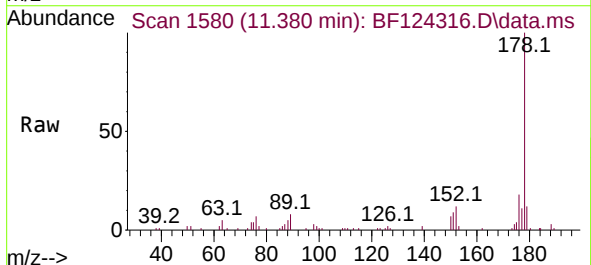
Instrument :
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ClientSampleId :
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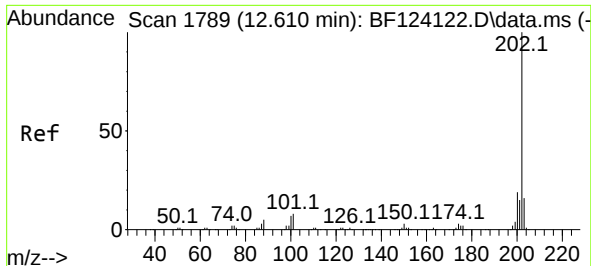
Tgt Ion:188 Resp: 129682
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 11.6 8.2 12.2



#71
Phenanthrene
Concen: 5.41 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion:178 Resp: 43798
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 12.3 12.5 18.7#

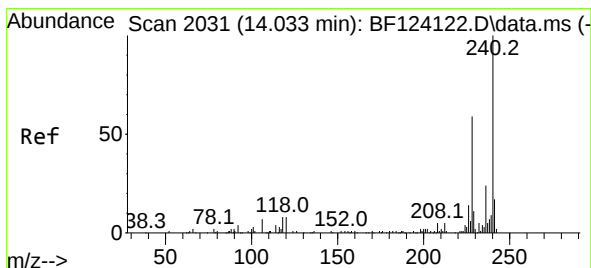
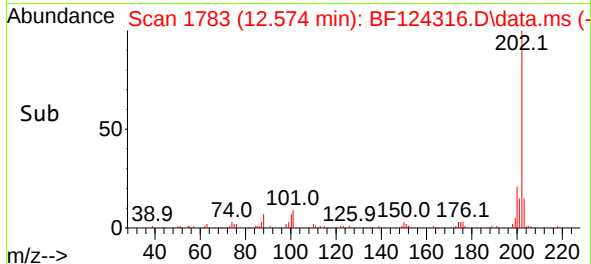
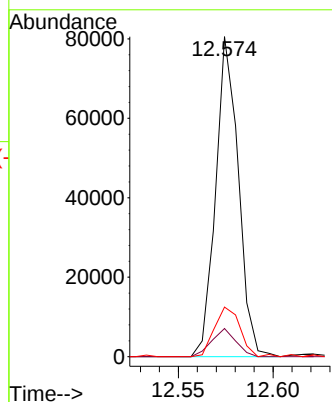
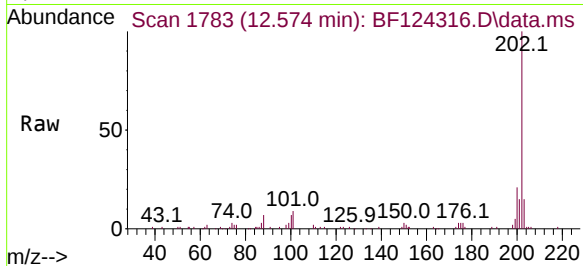




#75
Fluoranthene
Concen: 7.90 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

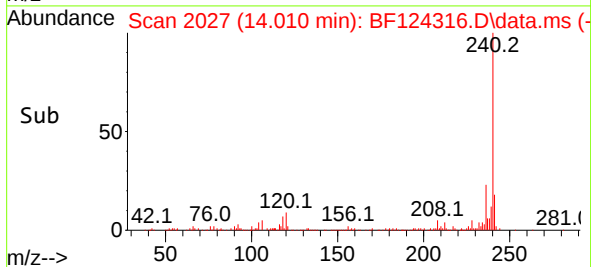
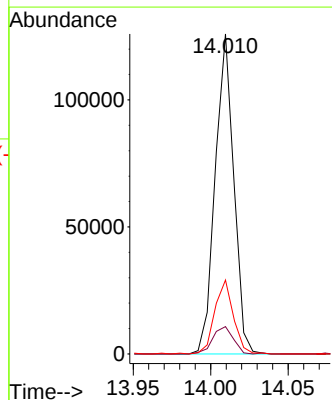
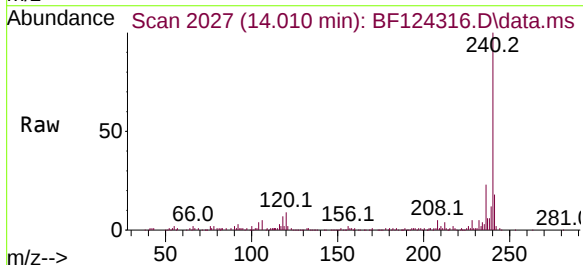
Instrument :
BNA_F
ClientSampled :
B67

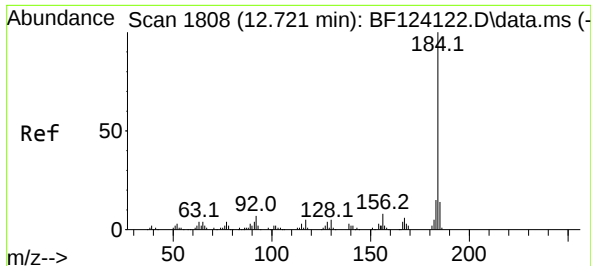
Tgt Ion:202	Resp:	67139
Ion Ratio	Lower	Upper
202	100	
101	8.8	0.0 30.9
203	15.5	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion:240	Resp:	104922
Ion Ratio	Lower	Upper
240	100	
120	8.6	7.2 10.8
236	23.1	19.0 28.4

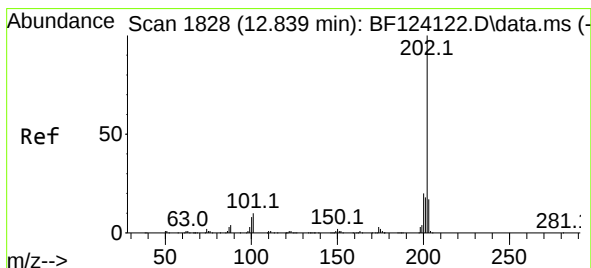
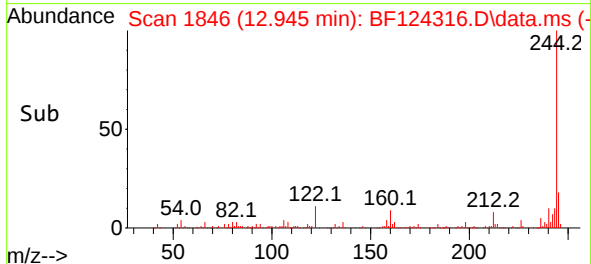
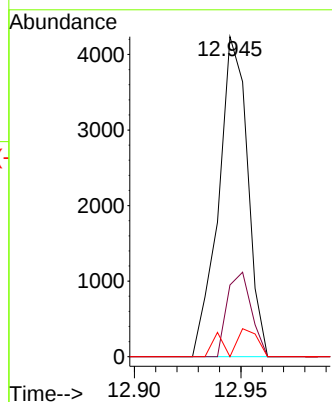
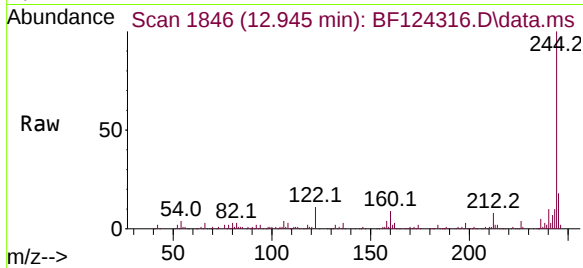




#77
Benzidine
Concen: 5.56 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.241 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

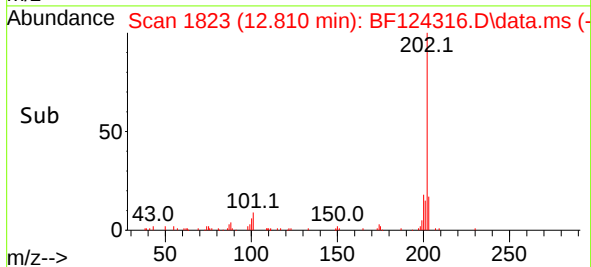
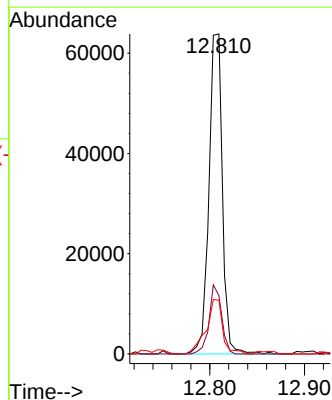
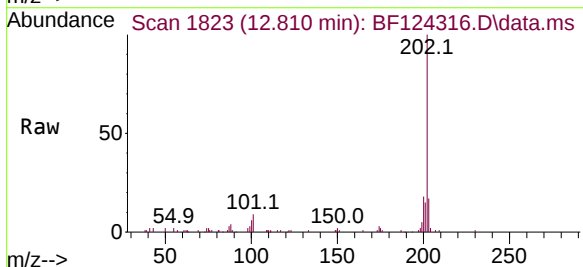
Instrument :
BNA_F
ClientSampleId :
B67

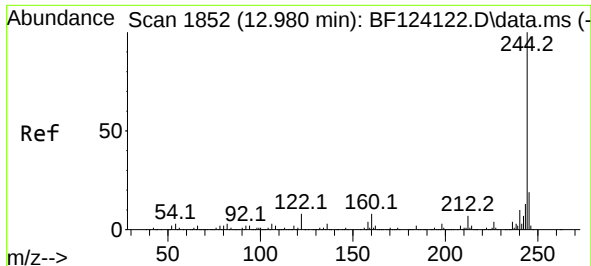
Tgt Ion:184 Resp: 4005
Ion Ratio Lower Upper
184 100
185 22.4 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 6.25 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

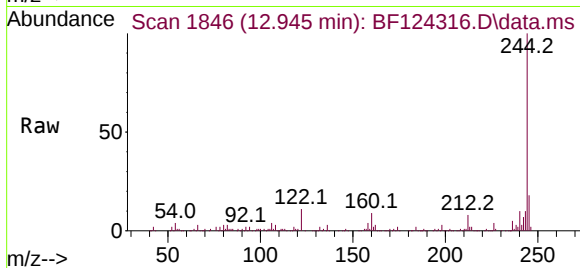
Tgt Ion:202 Resp: 62977
Ion Ratio Lower Upper
202 100
200 18.2 16.1 24.1
203 16.8 14.8 22.2



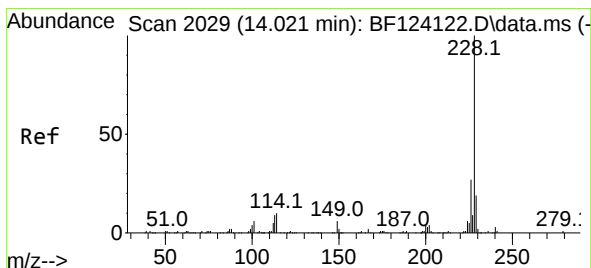
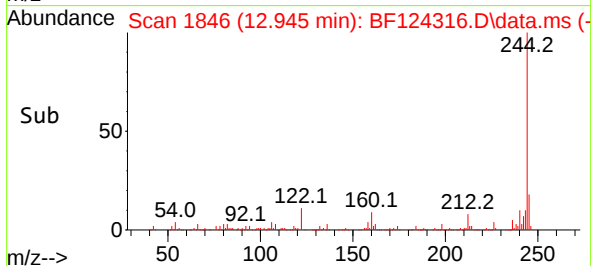
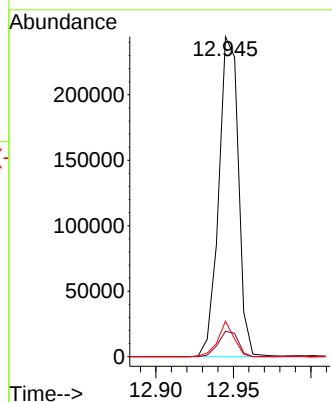


#79
 Terphenyl-d14
 Concen: 28.21 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.012 min
 Lab File: BF124316.D
 Acq: 14 Jun 2021 20:33

Instrument :
 BNA_F
 ClientSampled :
 B67

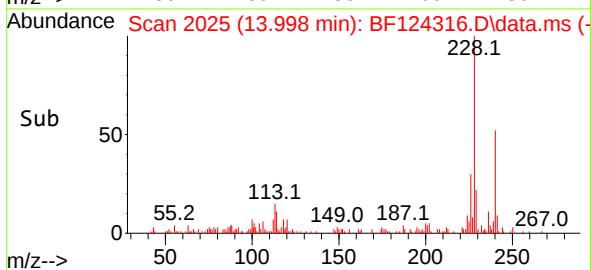
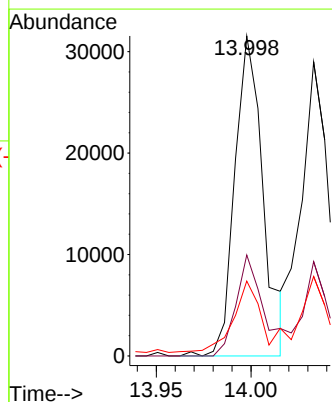
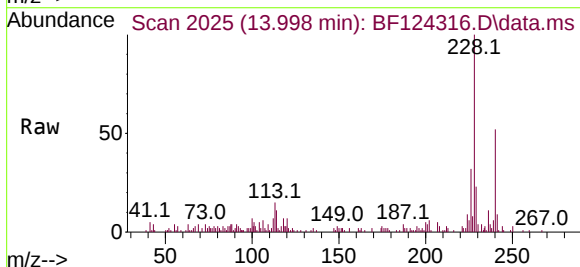


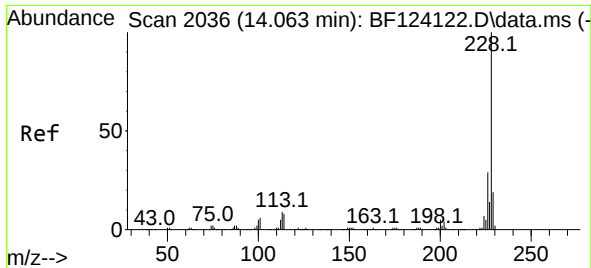
Tgt Ion:244 Resp: 215546
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 11.1 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 4.28 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF124316.D
 Acq: 14 Jun 2021 20:33

Tgt Ion:228 Resp: 32721
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.4 33.6
 229 23.4 16.0 24.0

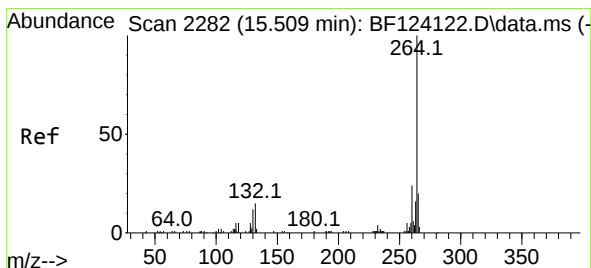
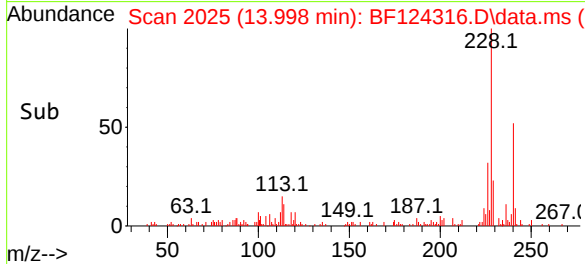
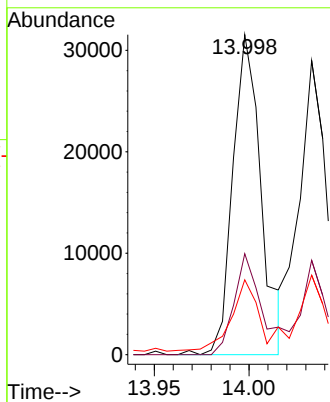
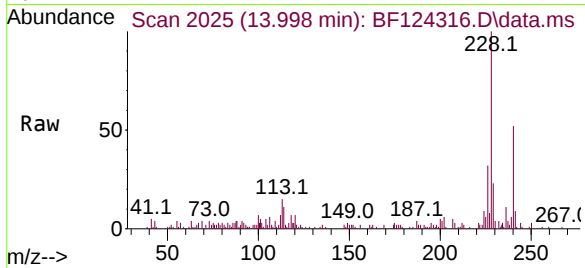




#83
Chrysene
Concen: 4.44 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.047 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

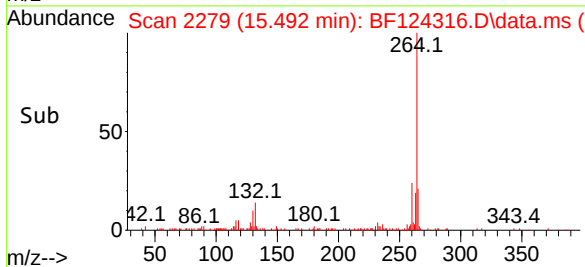
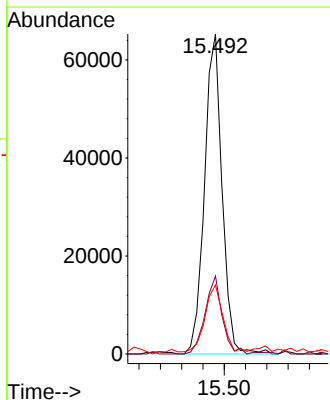
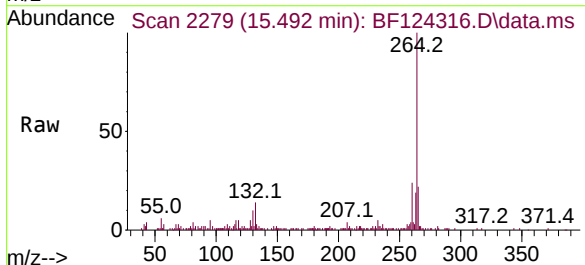
Instrument :
BNA_F
ClientSampleId :
B67

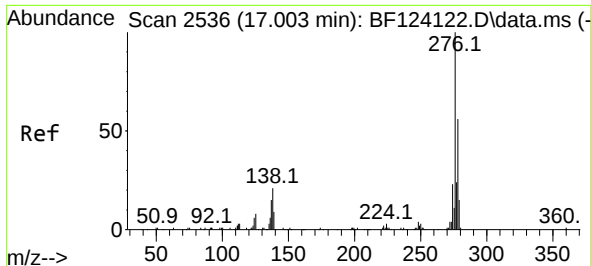
Tgt Ion:228	Resp:	32721
Ion Ratio	Lower	Upper
228	100	
226	31.5	24.3 36.5
229	23.4	16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion:264	Resp:	74778
Ion Ratio	Lower	Upper
264	100	
260	24.3	18.7 28.1
265	21.6	17.8 26.8

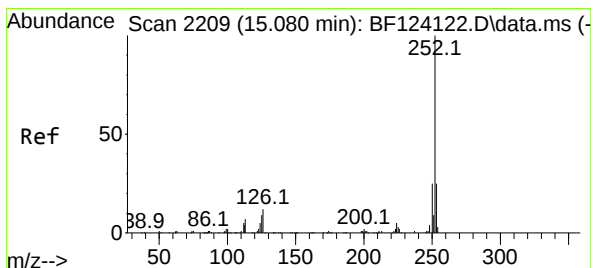
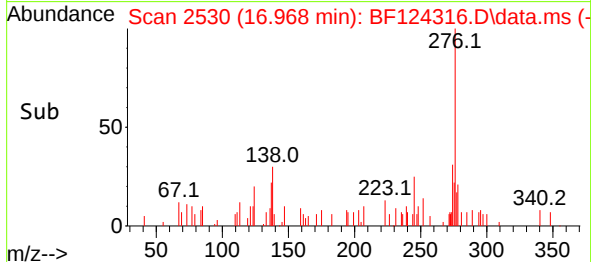
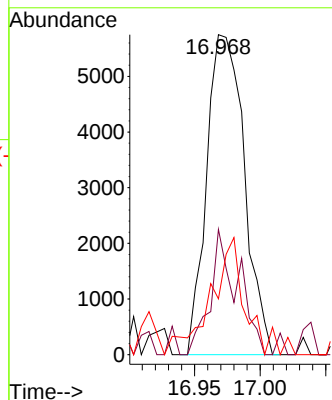
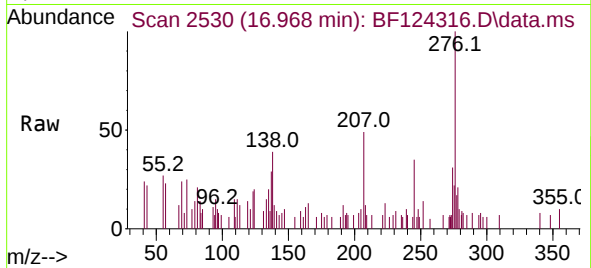




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.01 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.018 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

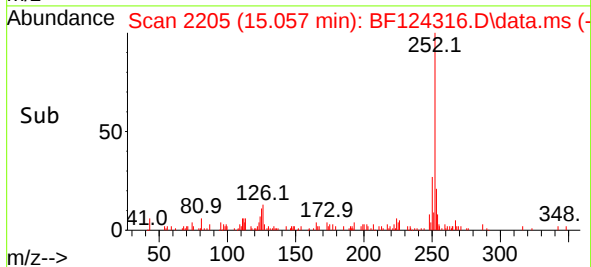
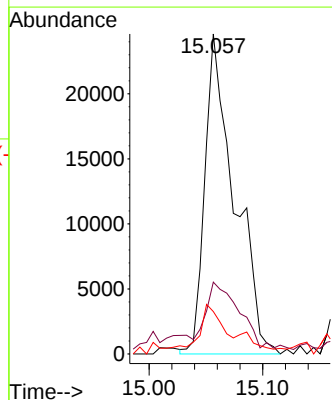
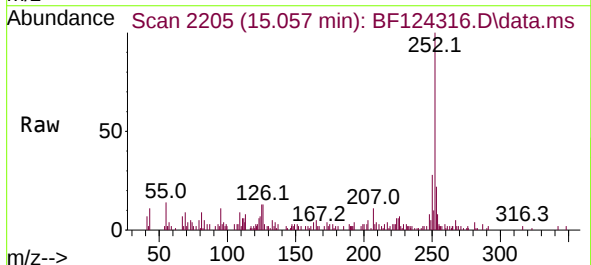
Instrument :
BNA_F
ClientSampleId :
B67

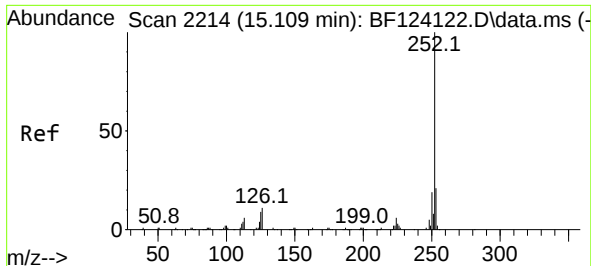
Tgt Ion:276 Resp: 11481
Ion Ratio Lower Upper
276 100
138 29.1 16.2 24.2#
277 34.1 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 7.66 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion:252 Resp: 44488
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 13.2 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 8.09 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.035 min

Lab File: BF124316.D

Acq: 14 Jun 2021 20:33

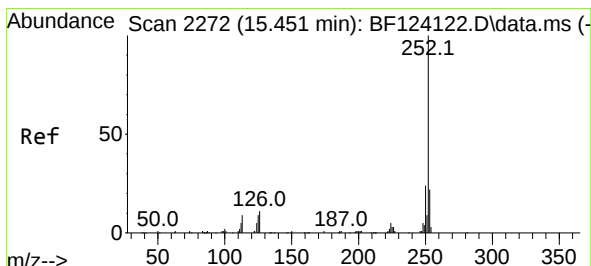
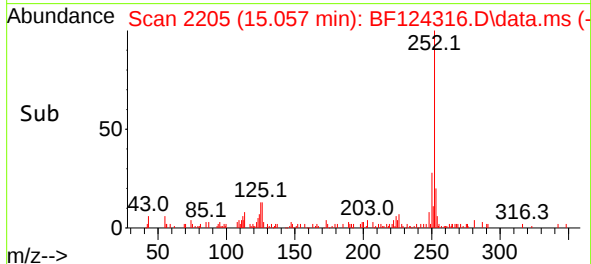
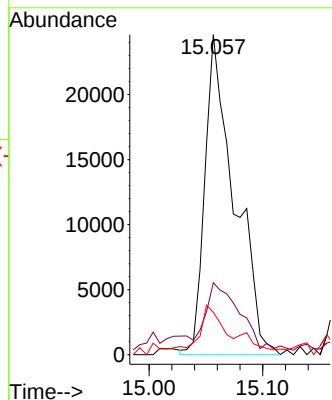
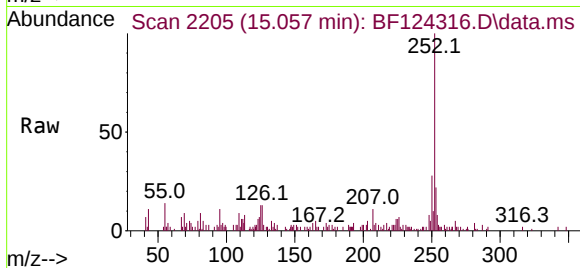
Tgt Ion:	252	Resp:	44488
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	13.2	7.0	10.6#

Instrument :

BNA_F

ClientSampleId :

B67



#90

Benzo(a)pyrene

Concen: 4.38 ng

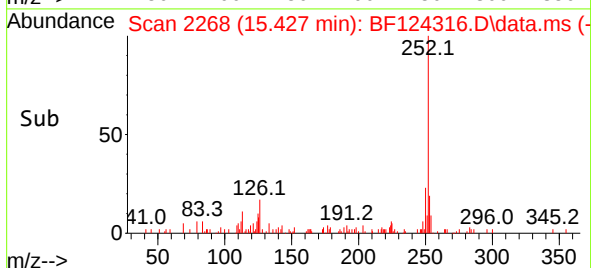
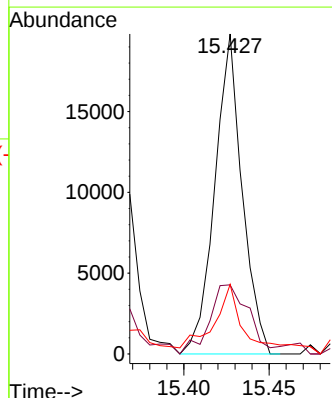
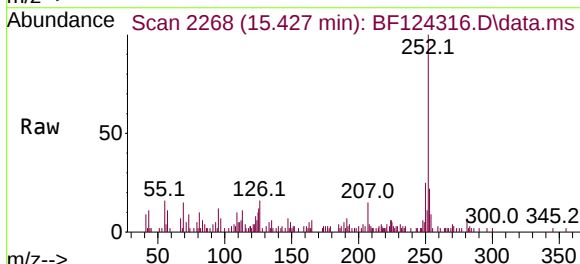
RT: 15.427 min Scan# 2268

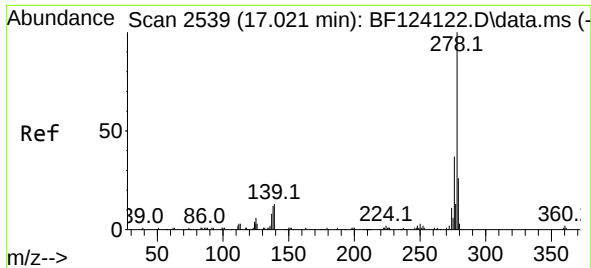
Delta R.T. -0.006 min

Lab File: BF124316.D

Acq: 14 Jun 2021 20:33

Tgt Ion:	252	Resp:	22116
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.4	27.6
125	21.7	8.0	12.0#

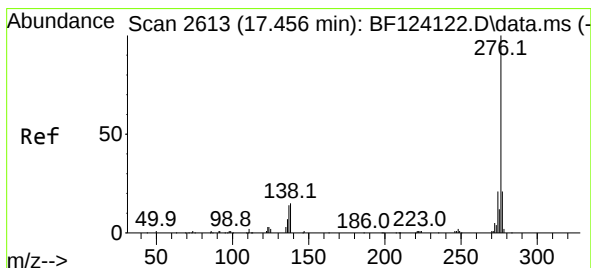
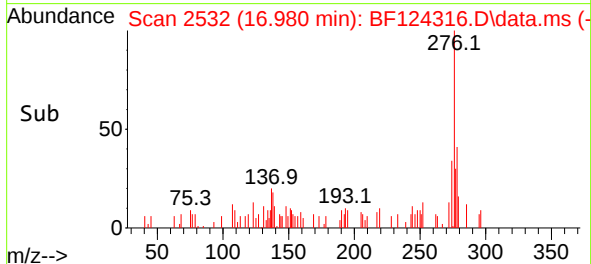
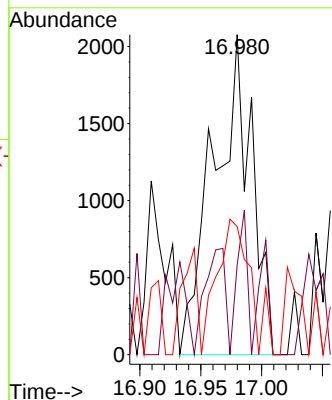
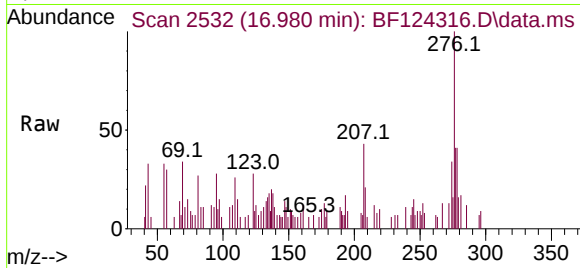




#91
Dibenzo(a,h)anthracene
Concen: 4.95 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.018 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Instrument :
BNA_F
ClientSampled :
B67

Tgt Ion:278 Resp: 4504
Ion Ratio Lower Upper
278 100
139 28.0 10.2 15.2#
279 40.1 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 6.00 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF124316.D
Acq: 14 Jun 2021 20:33

Tgt Ion:276 Resp: 12477
Ion Ratio Lower Upper
276 100
277 21.9 18.2 27.2
138 17.3 13.8 20.6

