

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
 Data File : BF124283.D
 Acq On : 12 Jun 2021 13:29
 Operator : JU/CG
 Sample : M2660-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-060921DL

Quant Time: Jun 14 04:25:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

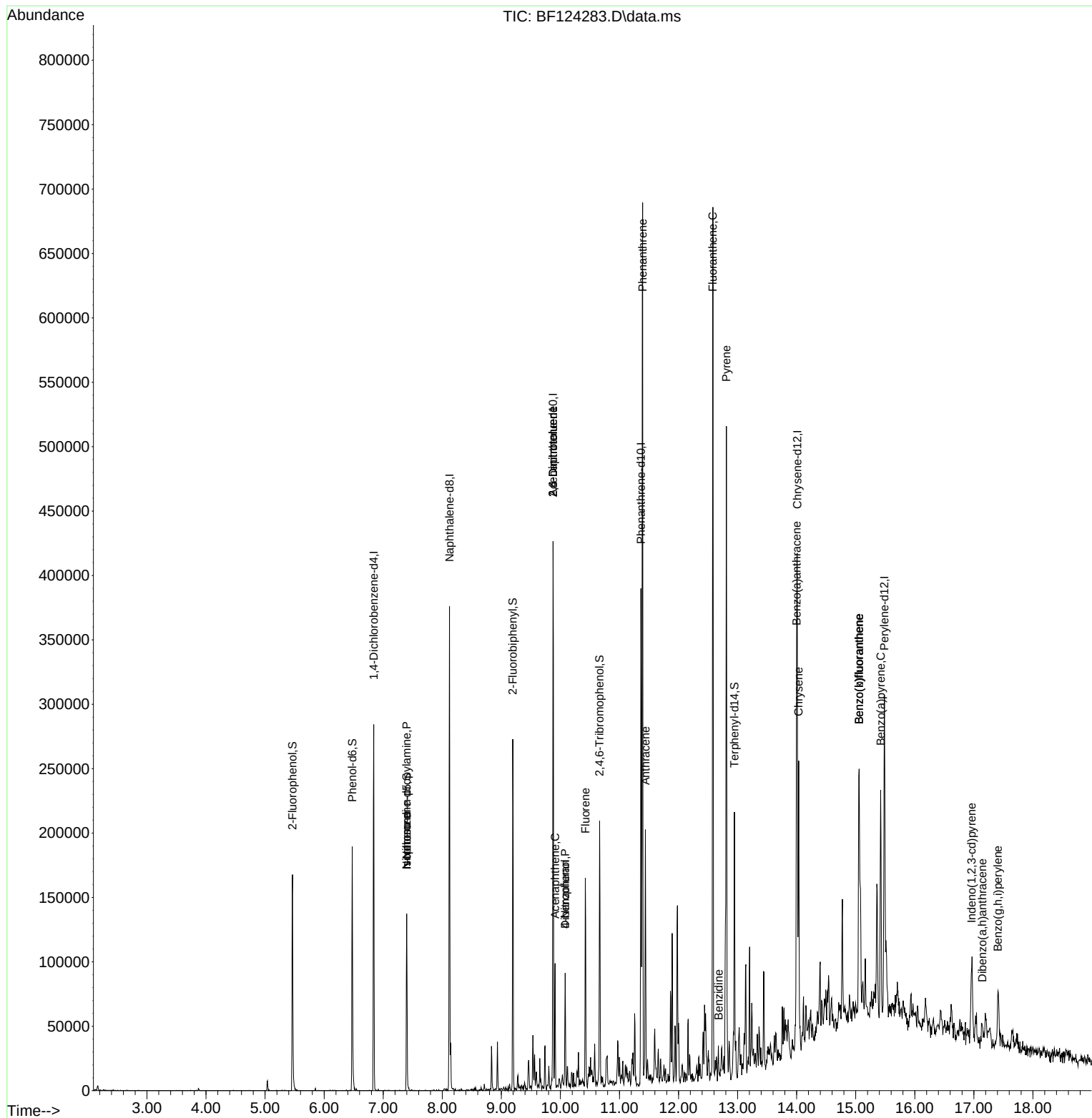
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	36094	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	135494	20.000	ng	#-0.01
39) Acenaphthene-d10	9.875	164	78556	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	123127	20.000	ng	-0.01
76) Chrysene-d12	14.010	240	84094	20.000	ng	-0.01
86) Perylene-d12	15.486	264	97725	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	40584	16.926	ng	-0.02
7) Phenol-d6	6.475	99	50232	15.586	ng	-0.02
23) Nitrobenzene-d5	7.398	82	38403	11.241	ng	-0.02
42) 2,4,6-Tribromophenol	10.663	330	17100	15.365	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	71686	11.483	ng	-0.02
79) Terphenyl-d14	12.945	244	54041	8.823	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	5377	2.363	ng	# 66
25) Isophorone	7.398	82	38402	6.238	ng	# 69
51) 2,6-Dinitrotoluene	9.875	165	10282	6.900	ng	# 13
52) Acenaphthene	9.910	154	17974	3.507	ng	87
55) Dibenzofuran	10.081	168	22400	2.793	ng	# 88
56) 4-Nitrophenol	10.081	139	10039	10.072	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	10282	5.232	ng	# 18
58) Fluorene	10.422	166	37151	6.035	ng	92
71) Phenanthrene	11.392	178	235198	30.579	ng	97
72) Anthracene	11.439	178	63929	8.253	ng	98
75) Fluoranthene	12.580	202	239152	29.621	ng	97
77) Benzidine	12.680	184	118	4.116	ng	# 68
78) Pyrene	12.810	202	183765	22.757	ng	97
81) Benzo(a)anthracene	13.998	228	88212	14.399	ng	98
83) Chrysene	14.033	228	73507	12.436	ng	95
87) Indeno(1,2,3-cd)pyrene	16.962	276	37948	8.579	ng	100
88) Benzo(b)fluoranthene	15.057	252	132673	17.477	ng	# 98
89) Benzo(k)fluoranthene	15.057	252	132673	18.461	ng	# 98
90) Benzo(a)pyrene	15.421	252	74807	11.345	ng	96
91) Dibenzo(a,h)anthracene	17.145	278	9137	5.377	ng	98
92) Benzo(g,h,i)perylene	17.404	276	28158	7.592	ng	# 93

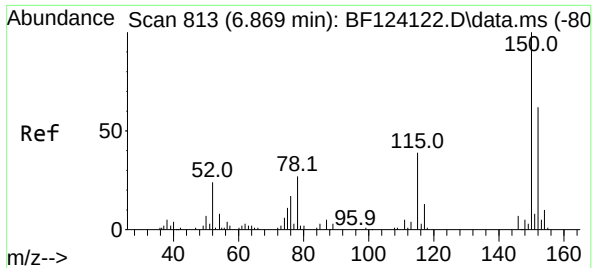
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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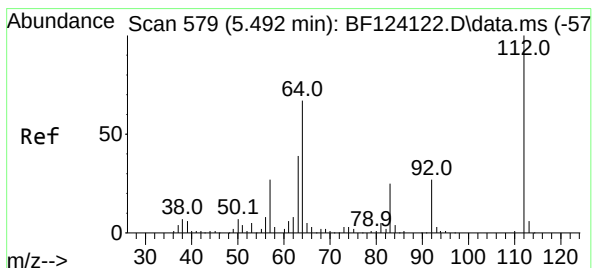
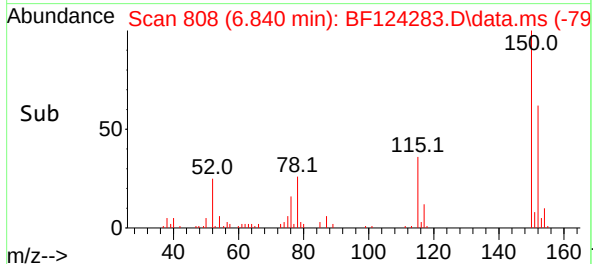
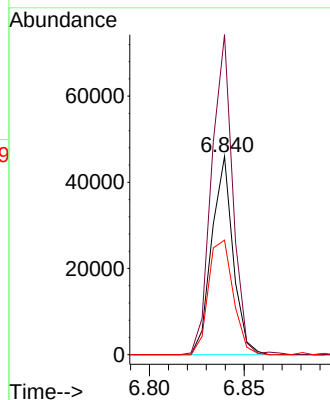
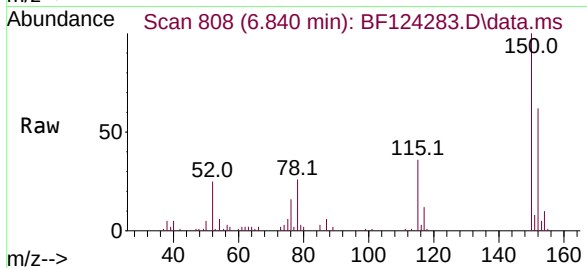




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

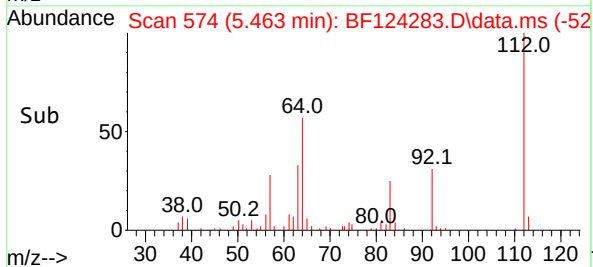
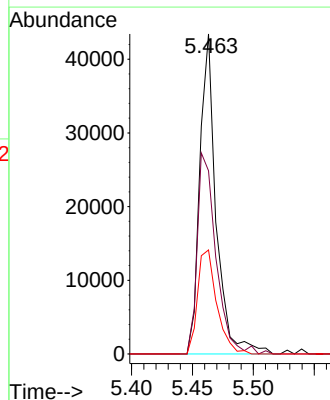
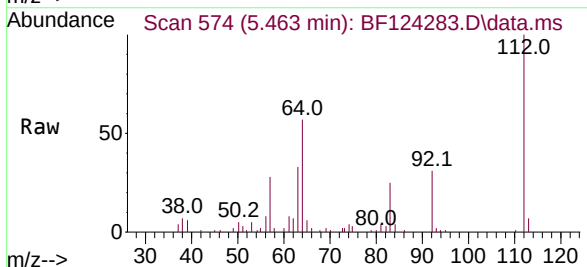
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ClientSampleId :
OR-03-060921DL

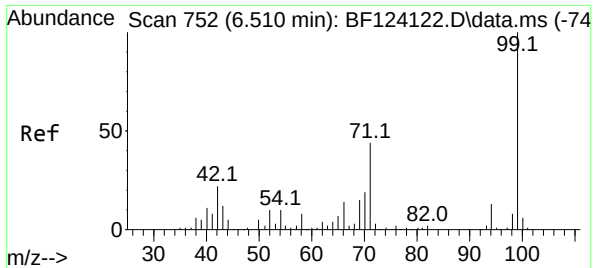
Tgt Ion:152 Resp: 36094
Ion Ratio Lower Upper
152 100
150 161.5 127.0 190.6
115 57.8 54.3 81.5



#5
2-Fluorophenol
Concen: 16.926 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:112 Resp: 40584
Ion Ratio Lower Upper
112 100
64 57.3 61.4 92.0#
63 32.5 33.0 49.4#

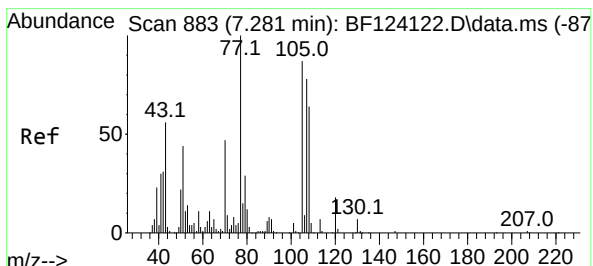
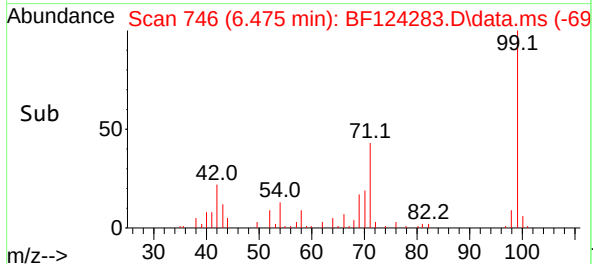
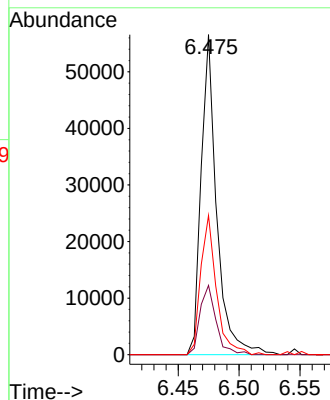
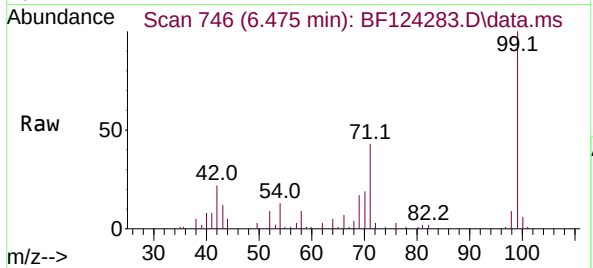




#7
Phenol-d6
Concen: 15.586 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.023 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

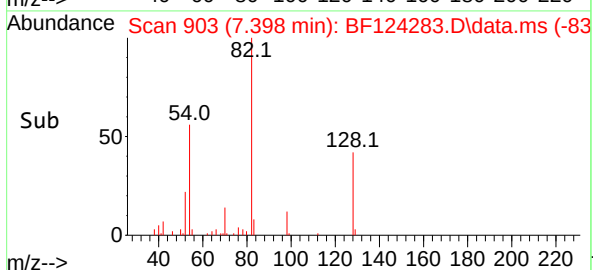
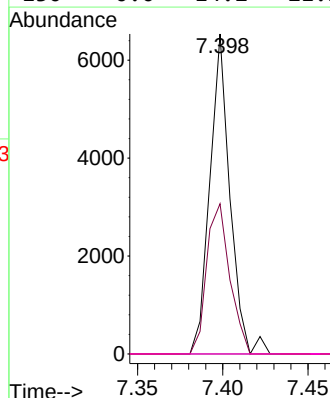
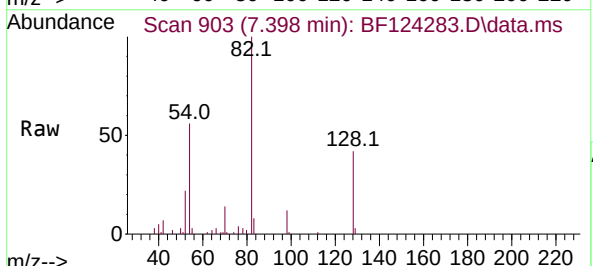
Instrument :
BNA_F
ClientSampleId :
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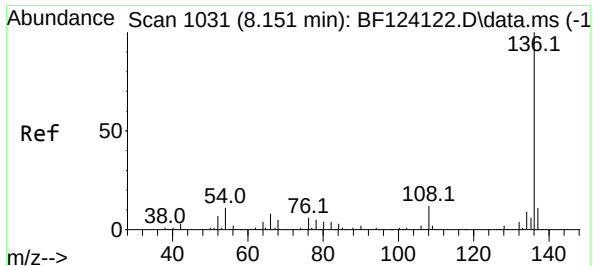
Tgt Ion: 99	Resp: 50232
Ion Ratio	Lower Upper
99 100	
42 21.7	19.8 29.8
71 43.5	31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.363 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.130 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

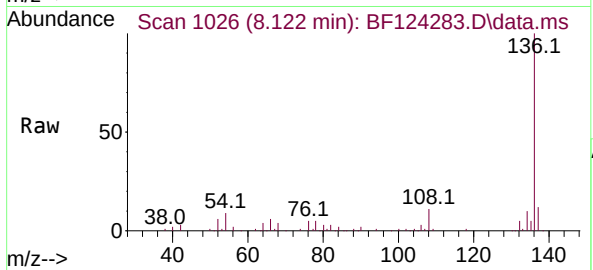
Tgt Ion: 70	Resp: 5377
Ion Ratio	Lower Upper
70 100	
42 46.9	60.1 90.1#
101 0.0	7.4 11.2#
130 0.0	14.2 21.2#



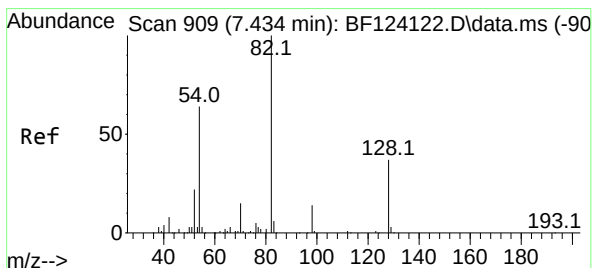
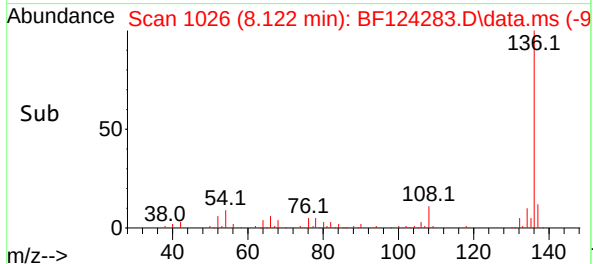
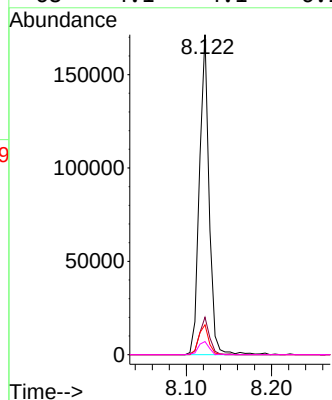


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

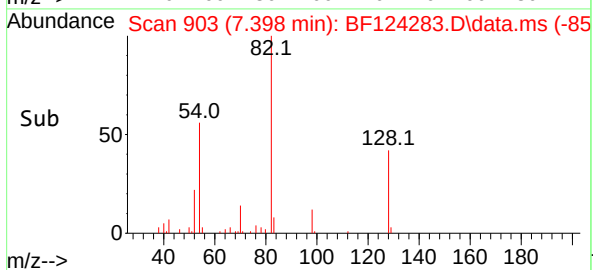
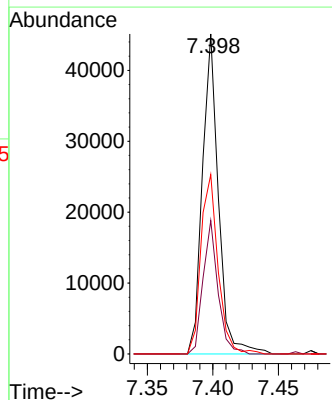
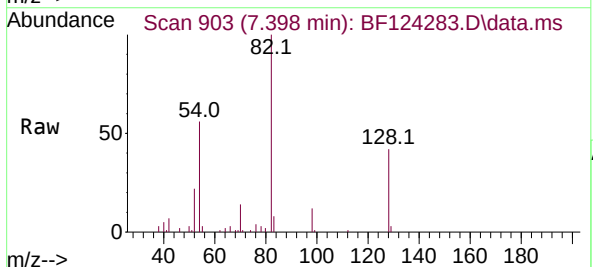


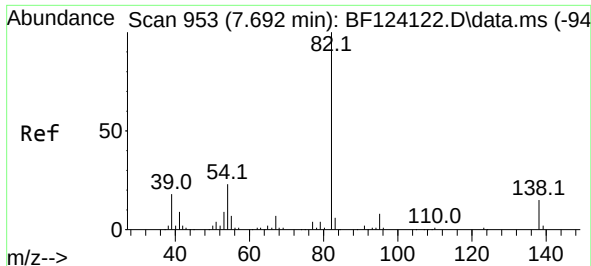
Tgt Ion:136 Resp: 135494
Ion Ratio Lower Upper
136 100
137 11.7 8.7 13.1
54 9.4 9.8 14.6#
68 4.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 11.241 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion: 82 Resp: 38403
Ion Ratio Lower Upper
82 100
128 41.7 29.4 44.2
54 56.1 54.1 81.1

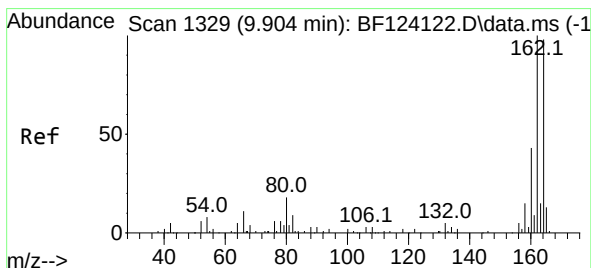
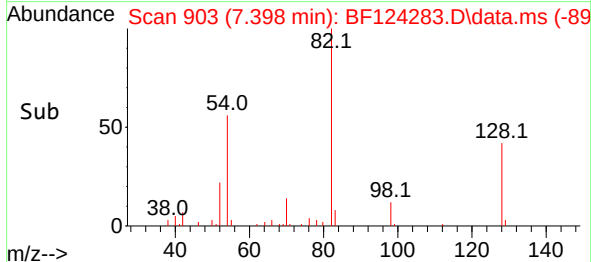
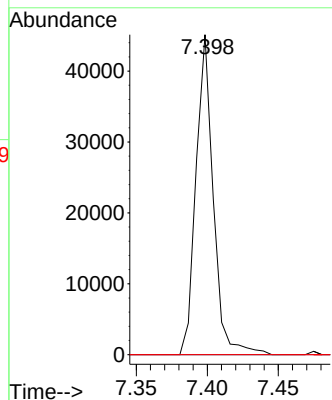
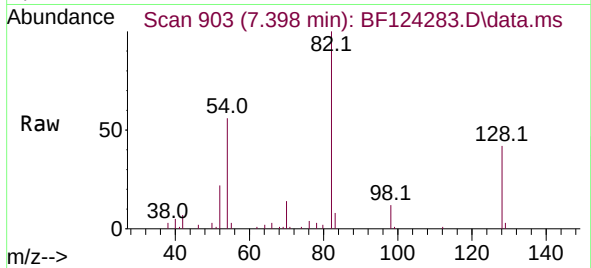




#25
Isophorone
Concen: 6.238 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.276 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

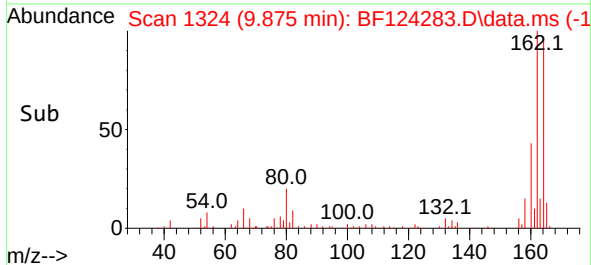
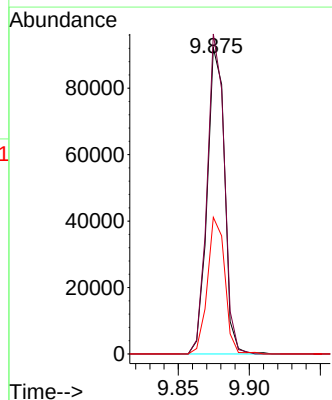
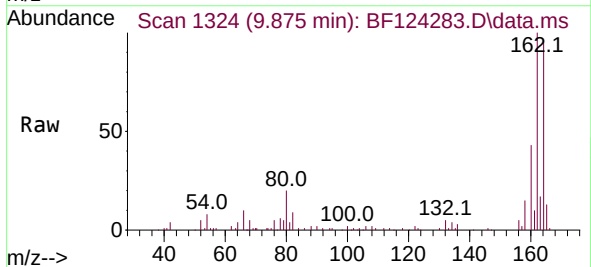
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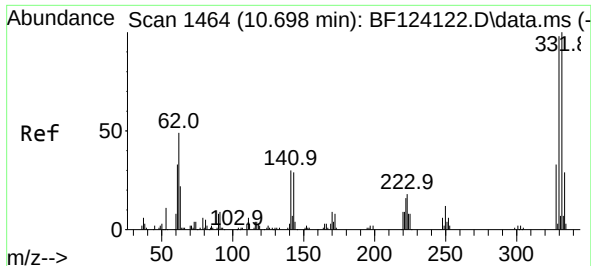
Tgt Ion: 82 Resp: 38402
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion: 164 Resp: 78556
Ion Ratio Lower Upper
164 100
162 104.5 80.7 121.1
160 44.6 37.3 55.9

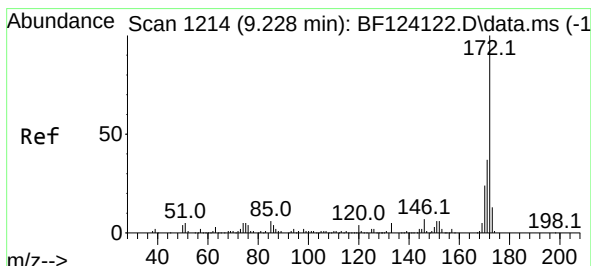
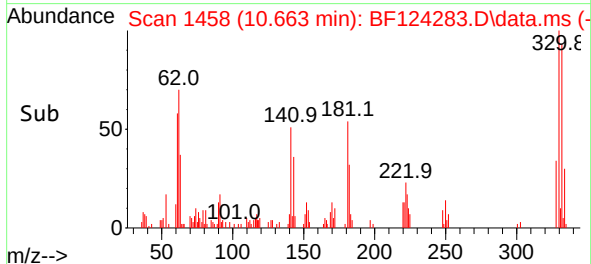
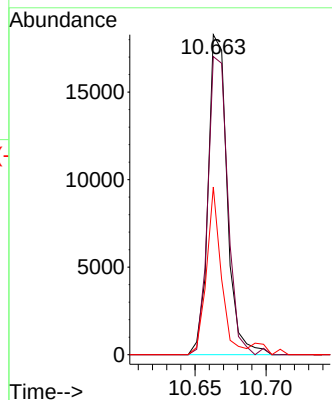
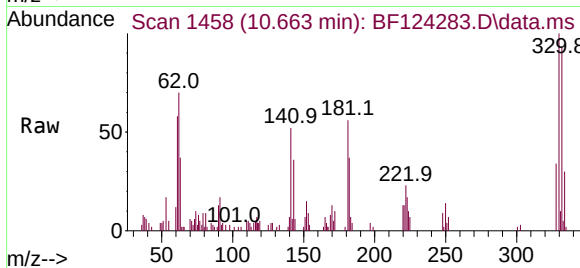




#42
2,4,6-Tribromophenol
Concen: 15.365 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

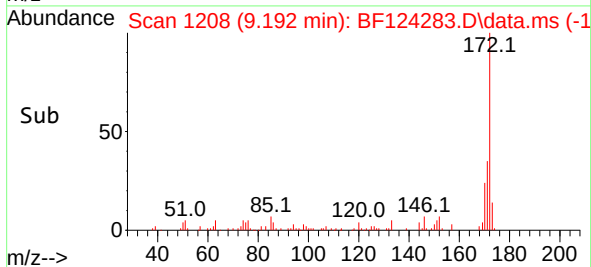
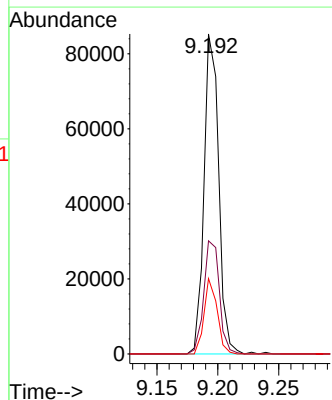
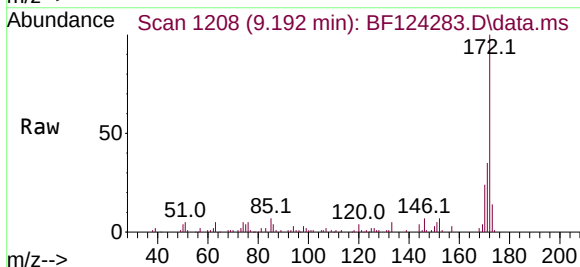
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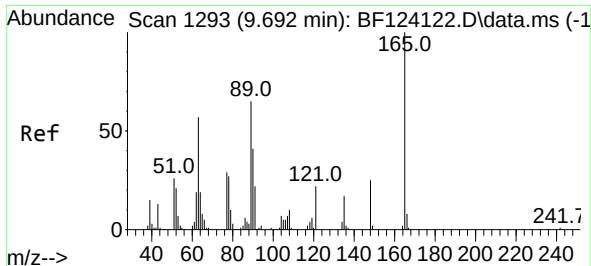
Tgt Ion: 330 Resp: 17100
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 40.7 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 11.483 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion: 172 Resp: 71686
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.5 19.2 28.8

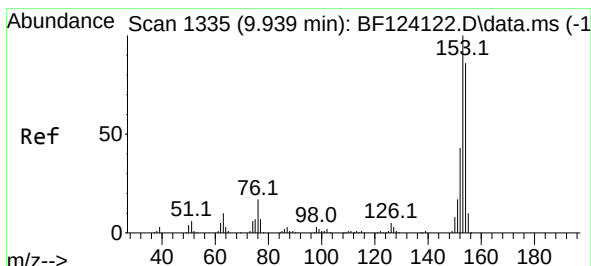
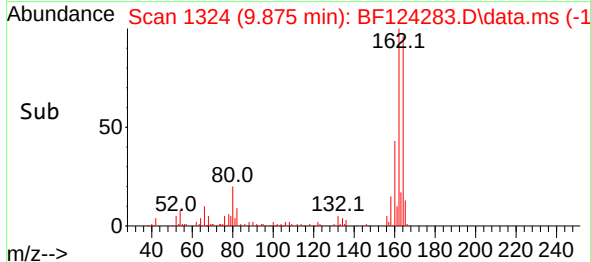
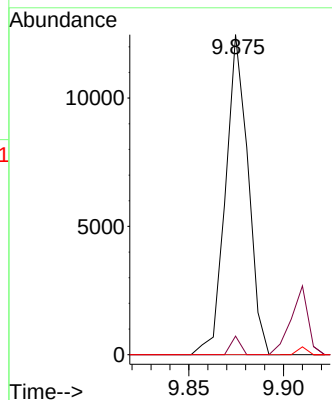
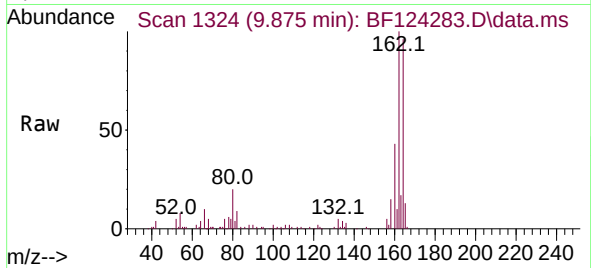




#51
2,6-Dinitrotoluene
Concen: 6.900 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.194 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

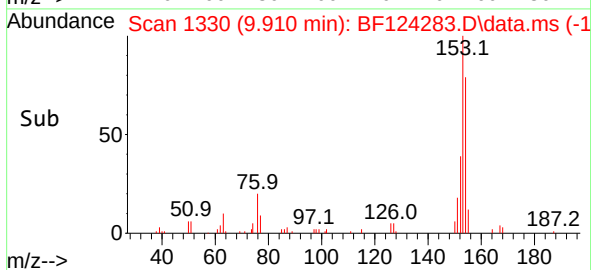
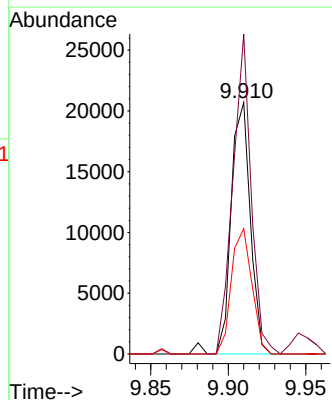
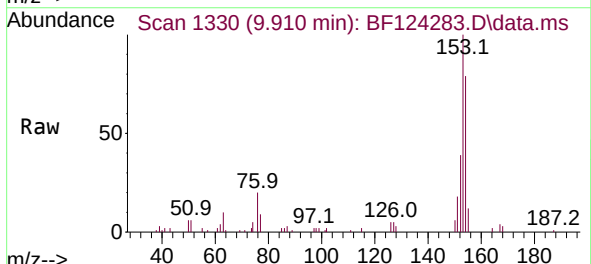
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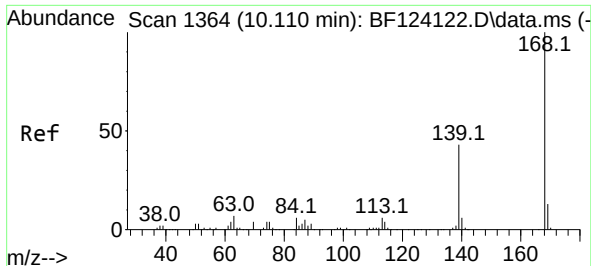
Tgt Ion:165 Resp: 10282
Ion Ratio Lower Upper
165 100
63 5.8 67.7 101.5#
89 0.0 58.8 88.2#



#52
Acenaphthene
Concen: 3.507 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:154 Resp: 17974
Ion Ratio Lower Upper
154 100
153 127.3 88.1 132.1
152 49.9 43.4 65.0

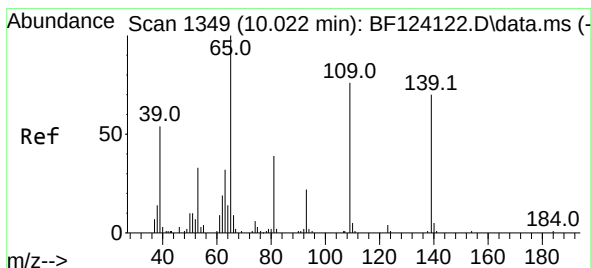
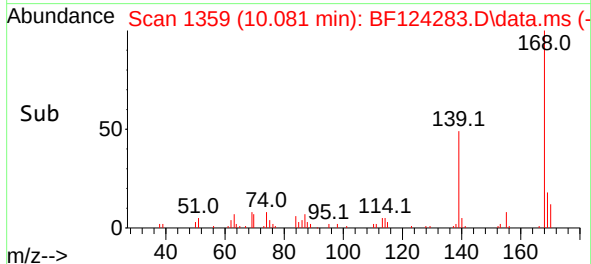
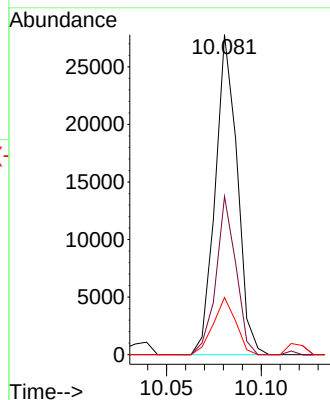
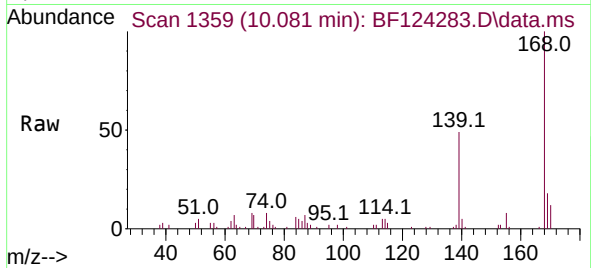




#55
Dibenzofuran
Concen: 2.793 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

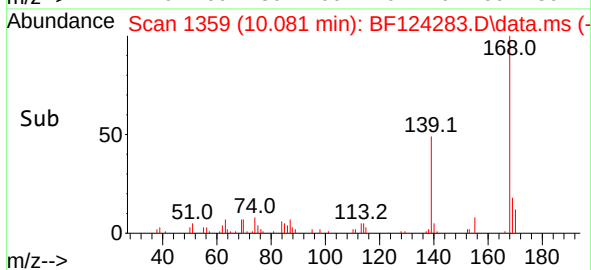
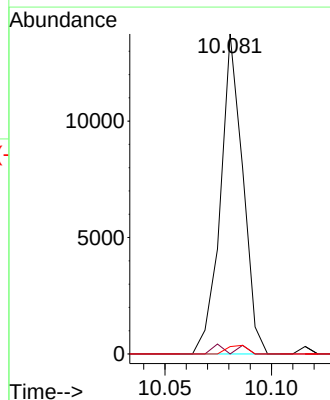
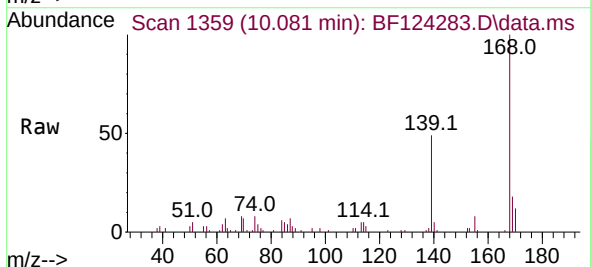
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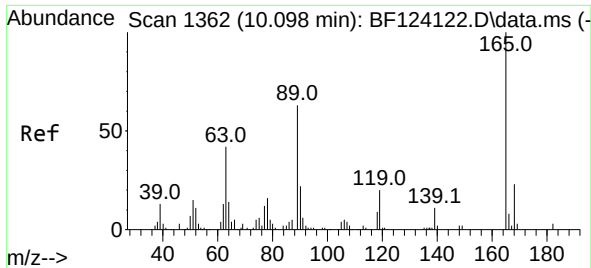
Tgt Ion:168 Resp: 22400
Ion Ratio Lower Upper
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139 49.5 33.2 49.8
169 17.8 10.8 16.2#



#56
4-Nitrophenol
Concen: 10.072 ng
RT: 10.081 min Scan# 1359
Delta R.T. 0.059 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:139 Resp: 10039
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 2.3 110.0 150.0#

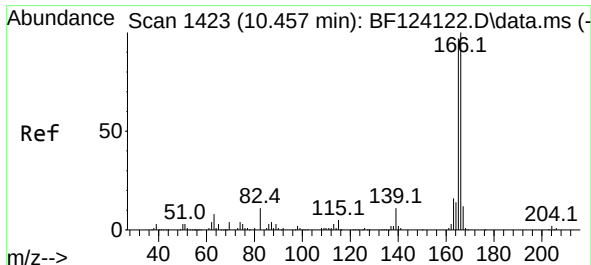
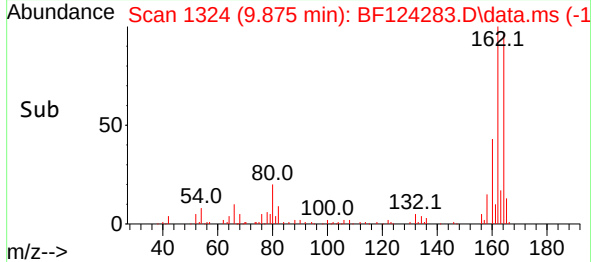
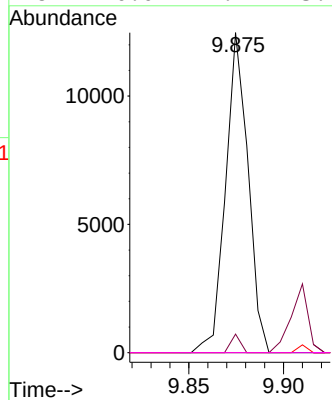
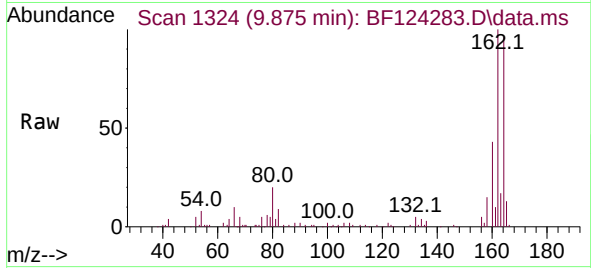




#57
2,4-Dinitrotoluene
Concen: 5.232 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.212 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

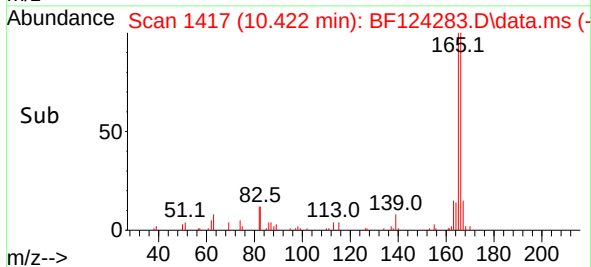
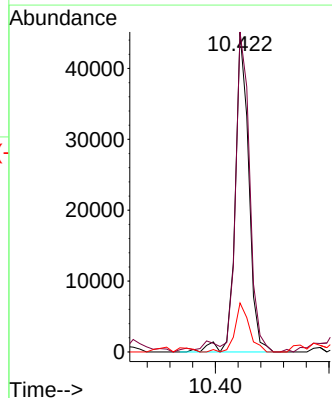
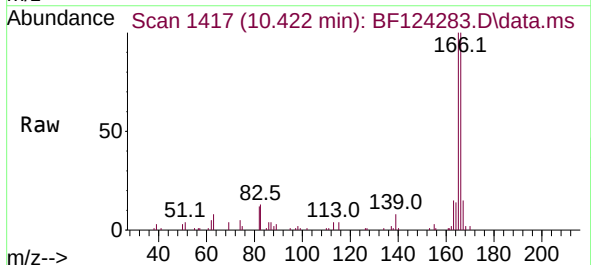
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

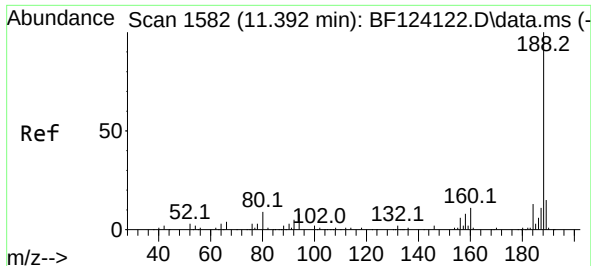
Tgt Ion:165	Resp:	10282
Ion Ratio	Lower	Upper
165	100	
63	5.8	43.5 65.3#
89	0.0	67.7 101.5#
182	0.0	2.1 3.1#



#58
Fluorene
Concen: 6.035 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:166	Resp:	37151
Ion Ratio	Lower	Upper
166	100	
165	100.1	73.5 110.3
167	15.3	10.7 16.1

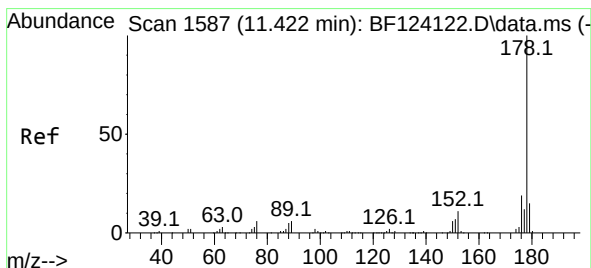
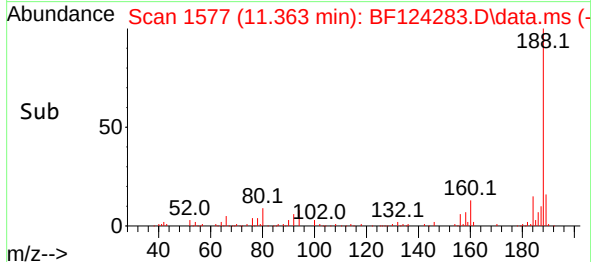
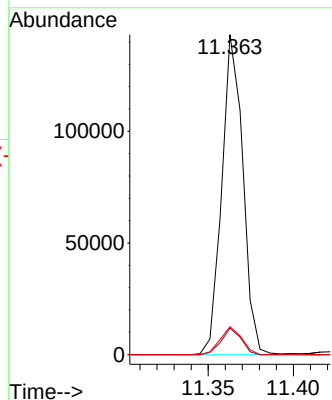
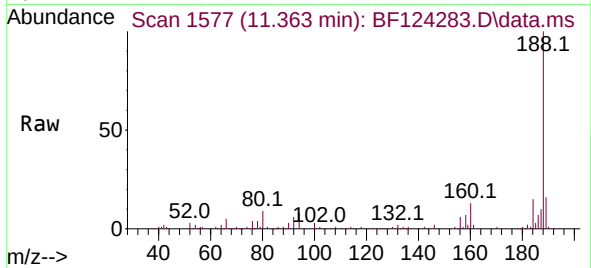




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

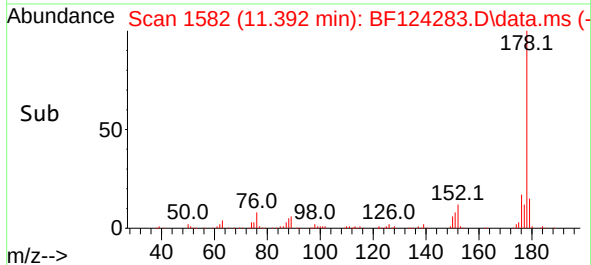
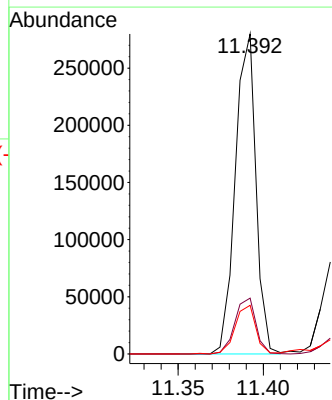
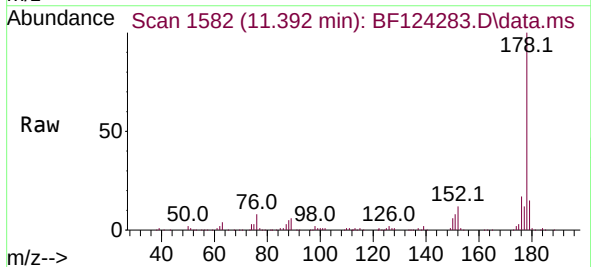
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

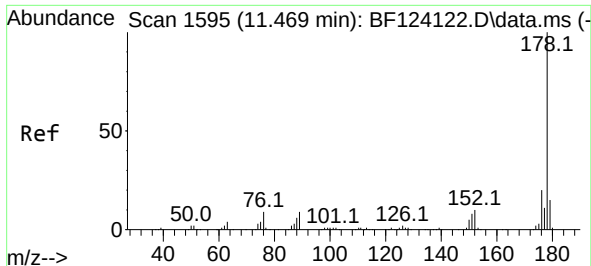
Tgt Ion:188 Resp: 123127
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 8.7 8.2 12.2



#71
Phenanthrene
Concen: 30.579 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:178 Resp: 235198
Ion Ratio Lower Upper
178 100
176 17.5 15.6 23.4
179 15.2 12.5 18.7

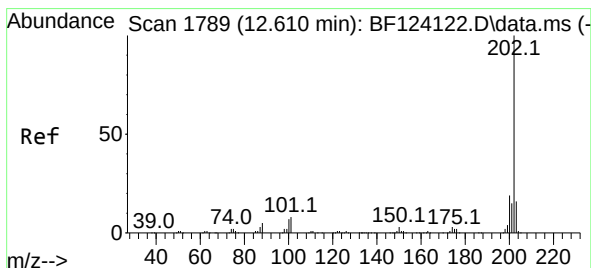
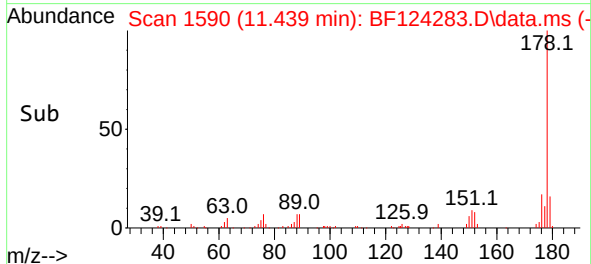
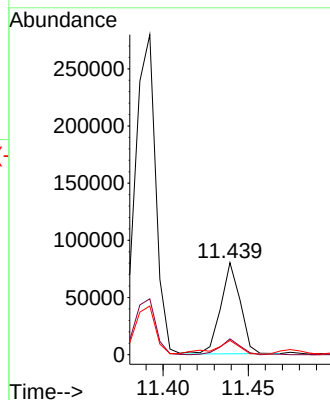
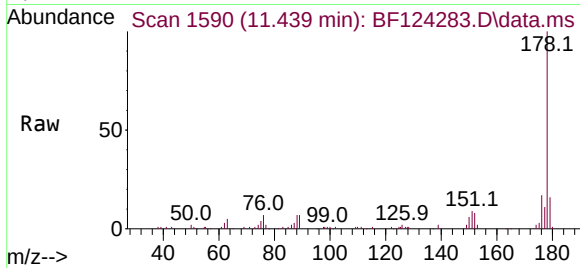




#72
 Anthracene
 Concen: 8.253 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.017 min
 Lab File: BF124283.D
 Acq: 12 Jun 2021 13:29

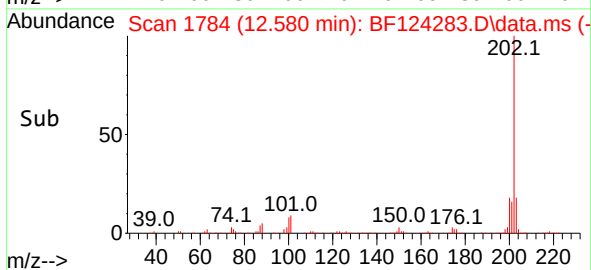
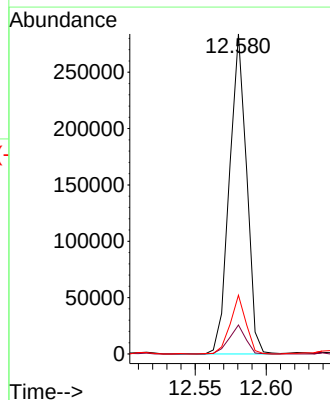
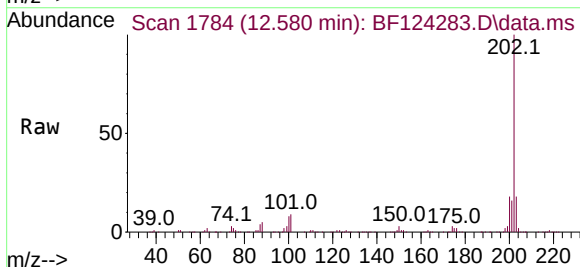
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-060921DL

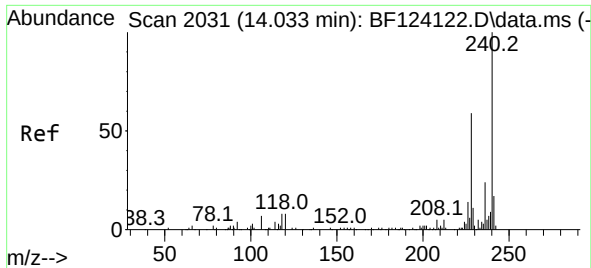
Tgt Ion:178	Resp:	63929
Ion Ratio	Lower	Upper
178	100	
176	17.3	15.4 23.0
179	15.6	12.6 18.8



#75
 Fluoranthene
 Concen: 29.621 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.012 min
 Lab File: BF124283.D
 Acq: 12 Jun 2021 13:29

Tgt Ion:202	Resp:	239152
Ion Ratio	Lower	Upper
202	100	
101	9.0	0.0 30.9
203	18.4	0.0 37.5

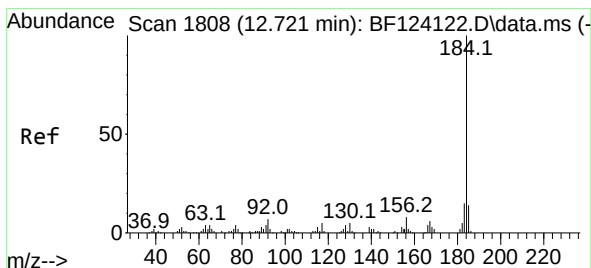
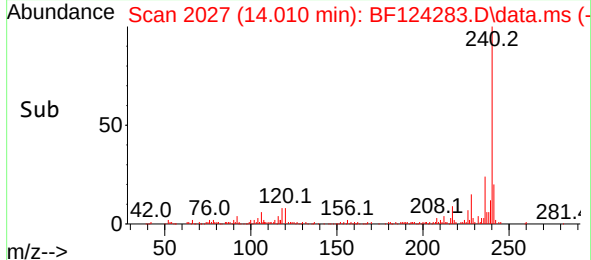
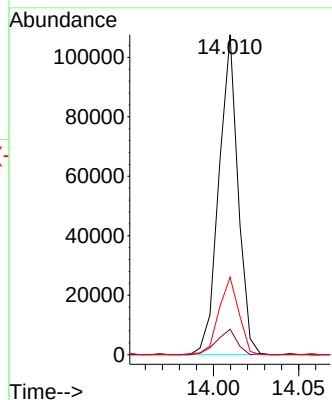
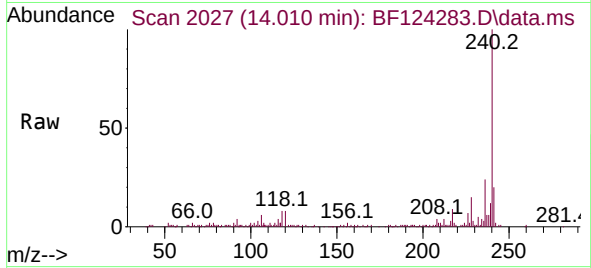




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

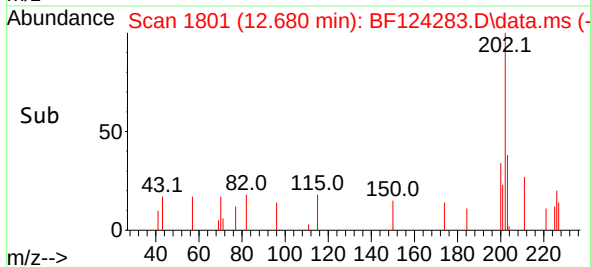
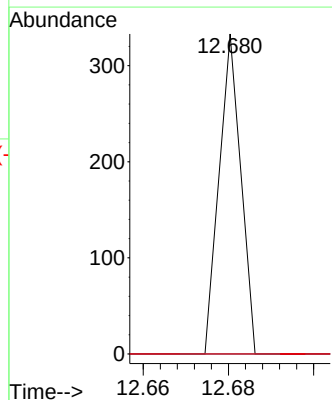
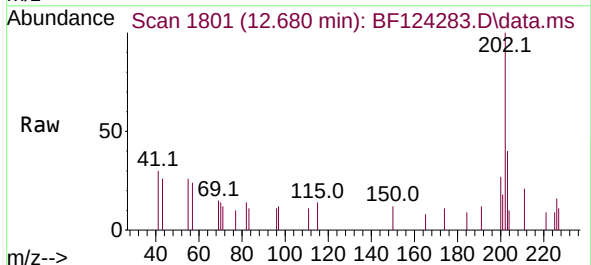
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

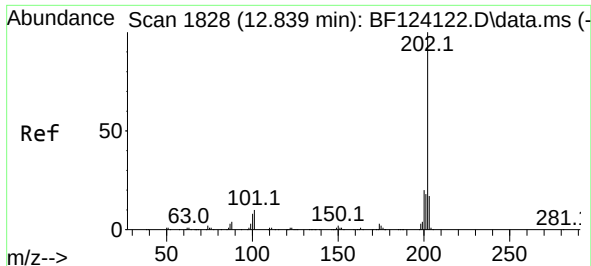
Tgt Ion:240 Resp: 84094
Ion Ratio Lower Upper
240 100
120 7.9 7.2 10.8
236 24.2 19.0 28.4



#77
Benzidine
Concen: 4.116 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.029 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:184 Resp: 118
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#

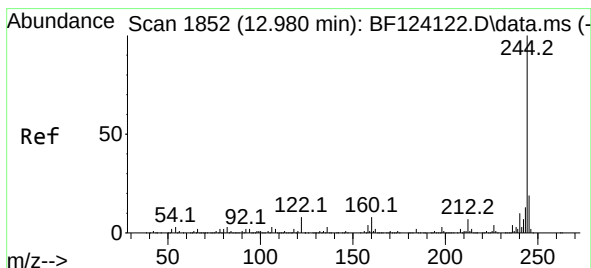
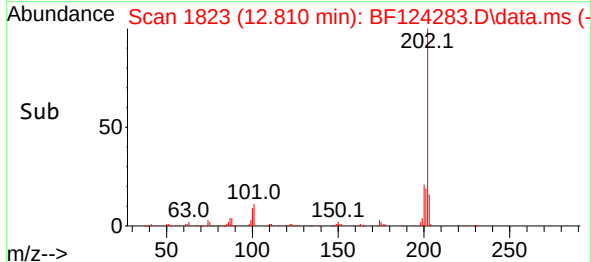
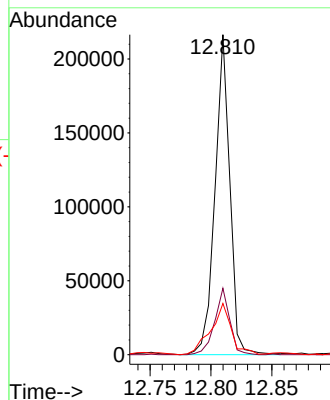
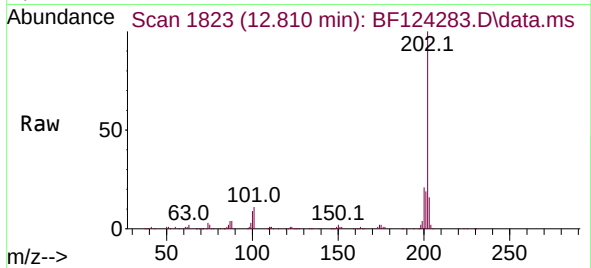




#78
Pyrene
Concen: 22.757 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

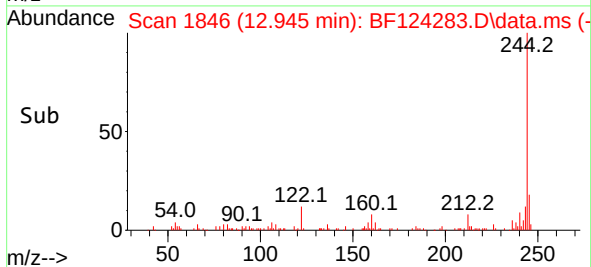
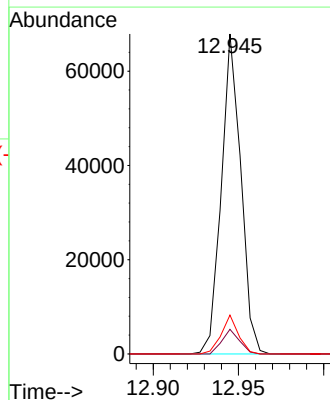
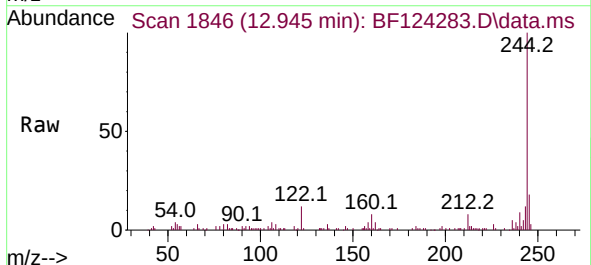
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

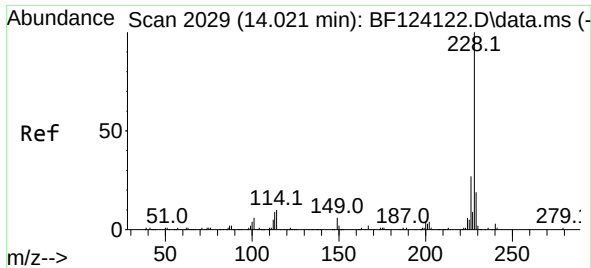
Tgt Ion:202	Resp:	183765
Ion Ratio	Lower	Upper
202	100	
200	20.7	16.1 24.1
203	16.0	14.8 22.2



#79
Terphenyl-d14
Concen: 8.823 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:244	Resp:	54041
Ion Ratio	Lower	Upper
244	100	
212	7.7	5.7 8.5
122	12.1	9.7 14.5

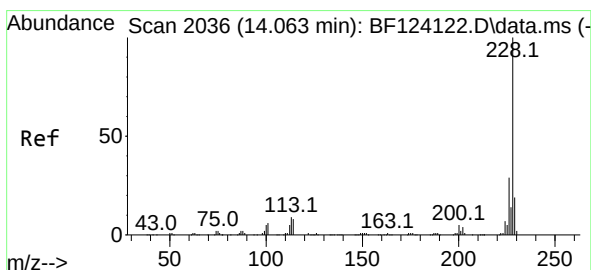
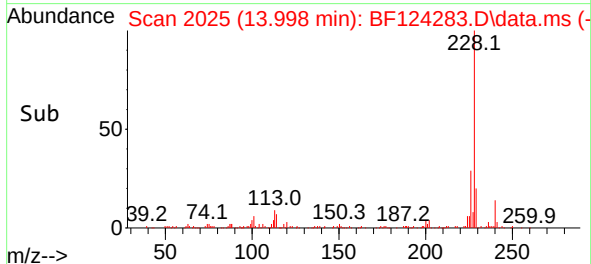
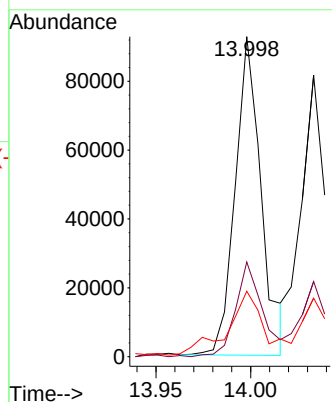
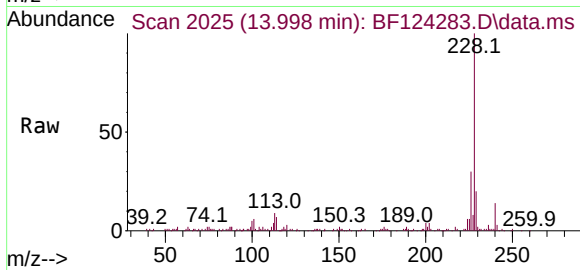




#81
Benzo(a)anthracene
Concen: 14.399 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

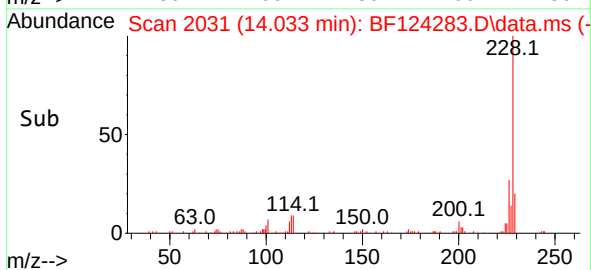
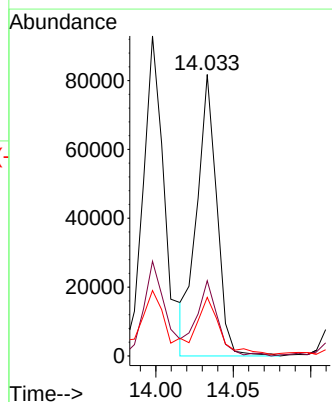
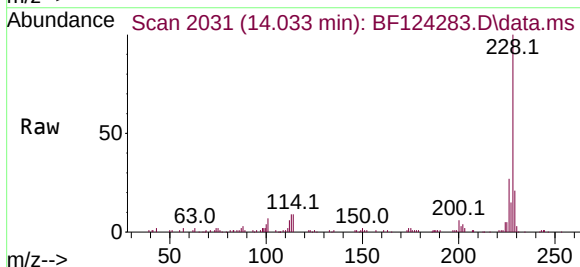
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

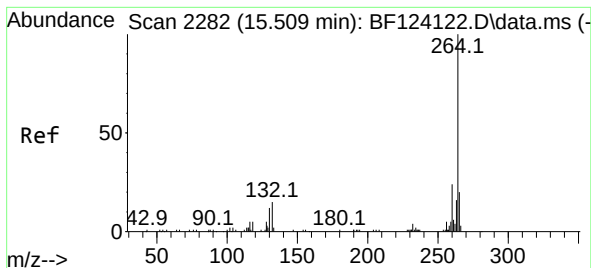
Tgt Ion:228	Resp:	88212
Ion Ratio	Lower	Upper
228	100	
226	29.6	22.4 33.6
229	20.5	16.0 24.0



#83
Chrysene
Concen: 12.436 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:228	Resp:	73507
Ion Ratio	Lower	Upper
228	100	
226	26.7	24.3 36.5
229	20.8	16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF124283.D

Acq: 12 Jun 2021 13:29

Tgt Ion:264 Resp: 97725

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

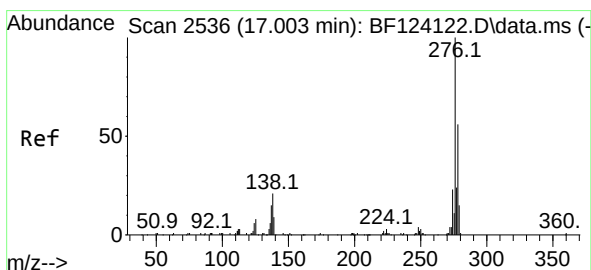
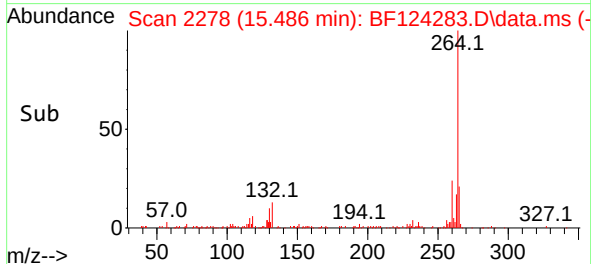
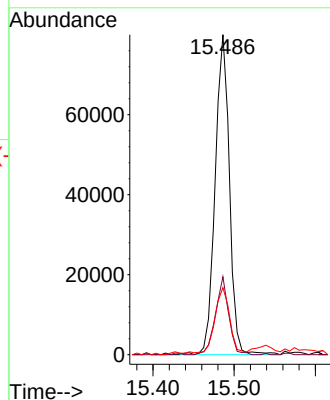
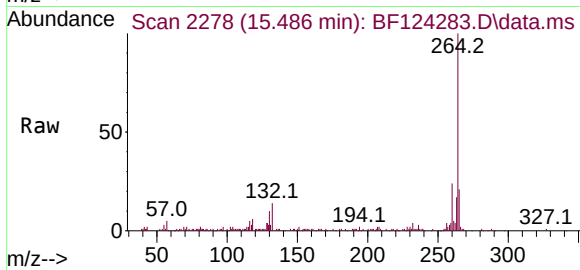
265 20.9 17.8 26.8

Instrument :

BNA_F

ClientSampleId :

OR-03-060921DL



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.579 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.017 min

Lab File: BF124283.D

Acq: 12 Jun 2021 13:29

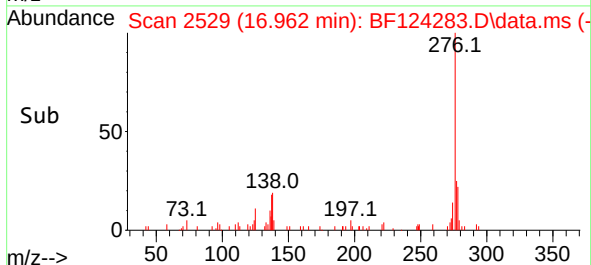
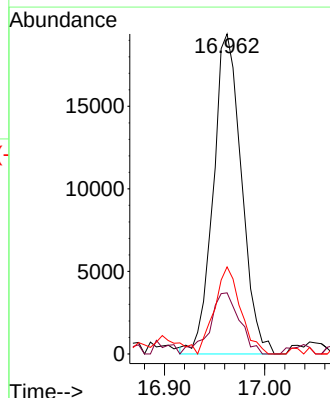
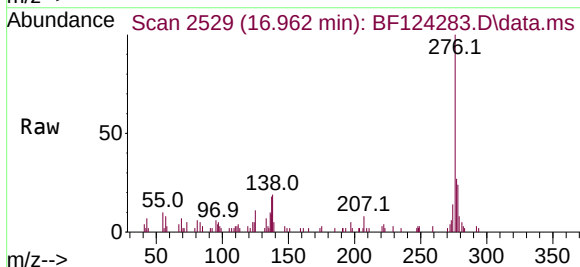
Tgt Ion:276 Resp: 37948

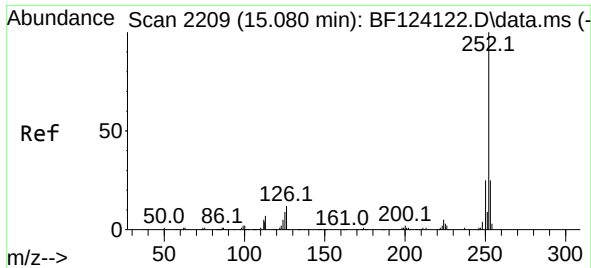
Ion Ratio Lower Upper

276 100

138 20.1 16.2 24.2

277 24.9 20.1 30.1

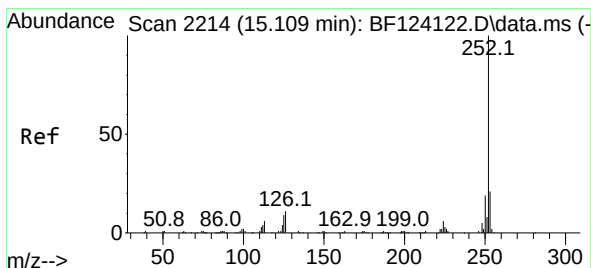
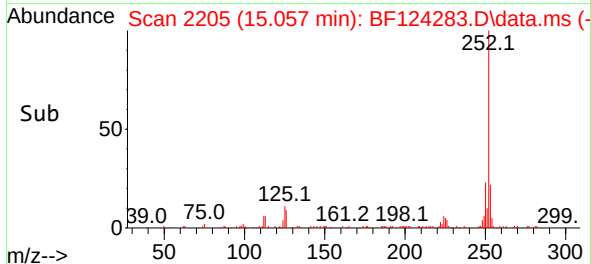
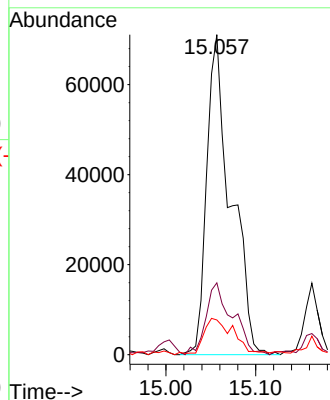
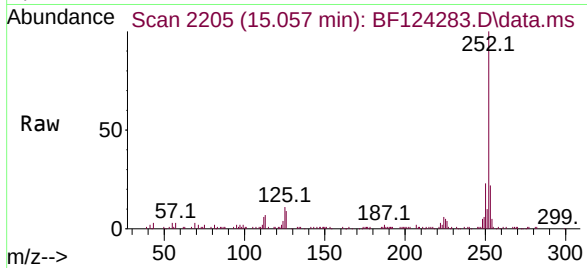




#88
Benzo(b)fluoranthene
Concen: 17.477 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

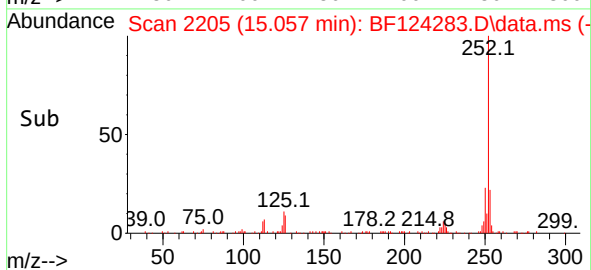
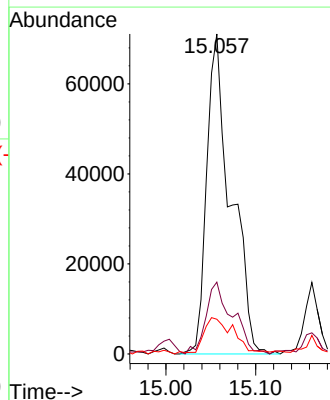
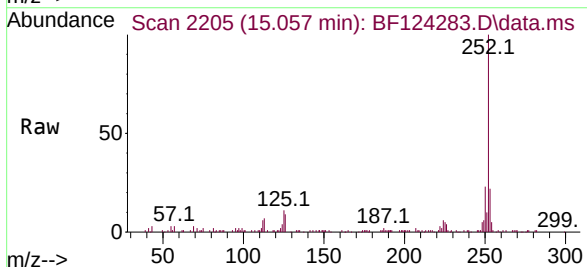
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

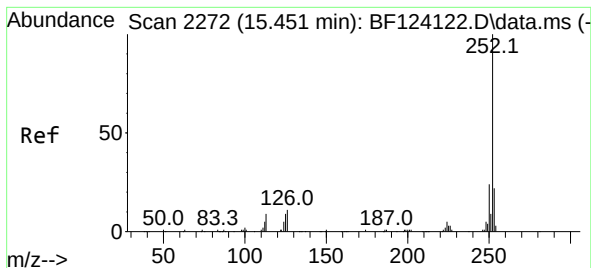
Tgt Ion:252 Resp: 132673
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 10.9 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 18.461 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.035 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:252 Resp: 132673
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 10.9 7.0 10.6#

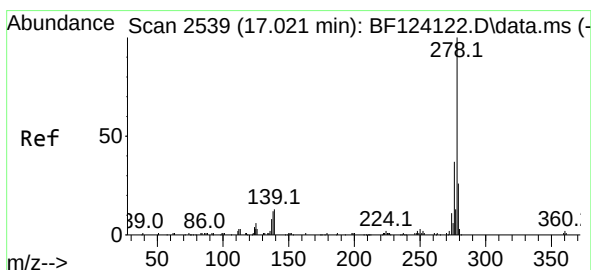
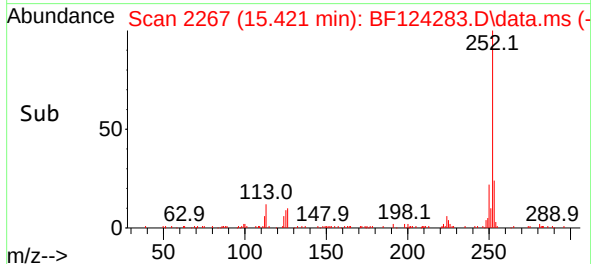
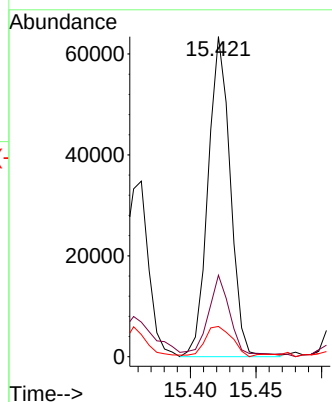
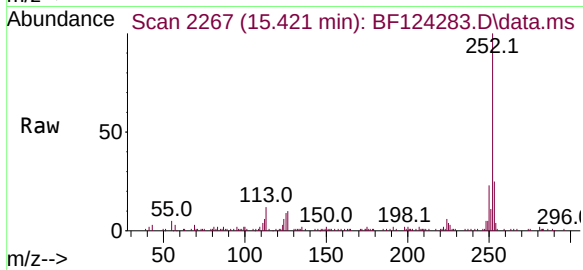




#90
Benzo(a)pyrene
Concen: 11.345 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

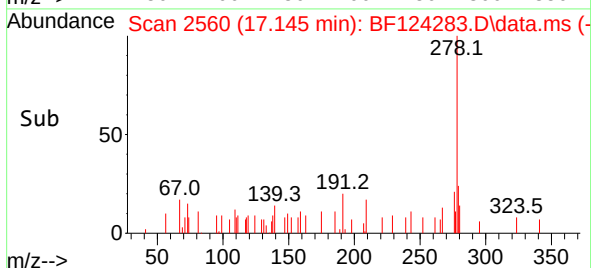
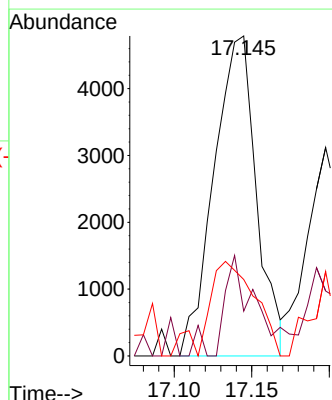
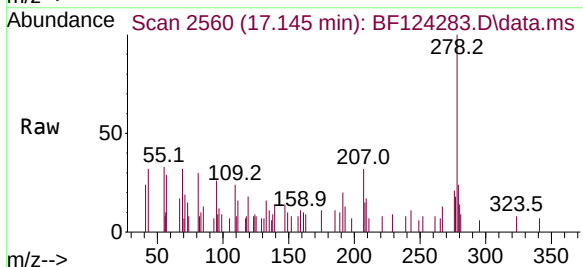
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

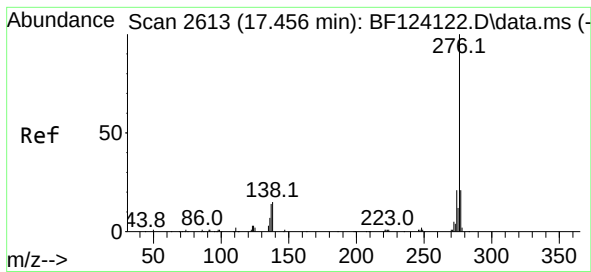
Tgt Ion:252 Resp: 74807
Ion Ratio Lower Upper
252 100
253 25.5 18.4 27.6
125 9.4 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 5.377 ng
RT: 17.145 min Scan# 2560
Delta R.T. 0.153 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:278 Resp: 9137
Ion Ratio Lower Upper
278 100
139 14.0 10.2 15.2
279 23.9 19.4 29.0





#92
 Benzo(g,h,i)perylene
 Concen: 7.592 ng
 RT: 17.404 min Scan# 2604
 Delta R.T. -0.029 min
 Lab File: BF124283.D
 Acq: 12 Jun 2021 13:29

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-060921DL

Tgt Ion:276 Resp: 28158
 Ion Ratio Lower Upper
 276 100
 277 28.8 18.2 27.2#
 138 17.0 13.8 20.6

