

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124524.D
 Acq On : 2 Jul 2021 18:21
 Operator : JU/CG
 Sample : M2913-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-2700

Quant Time: Jul 03 01:44:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 02 14:41:35 2021
 Response via : Initial Calibration

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

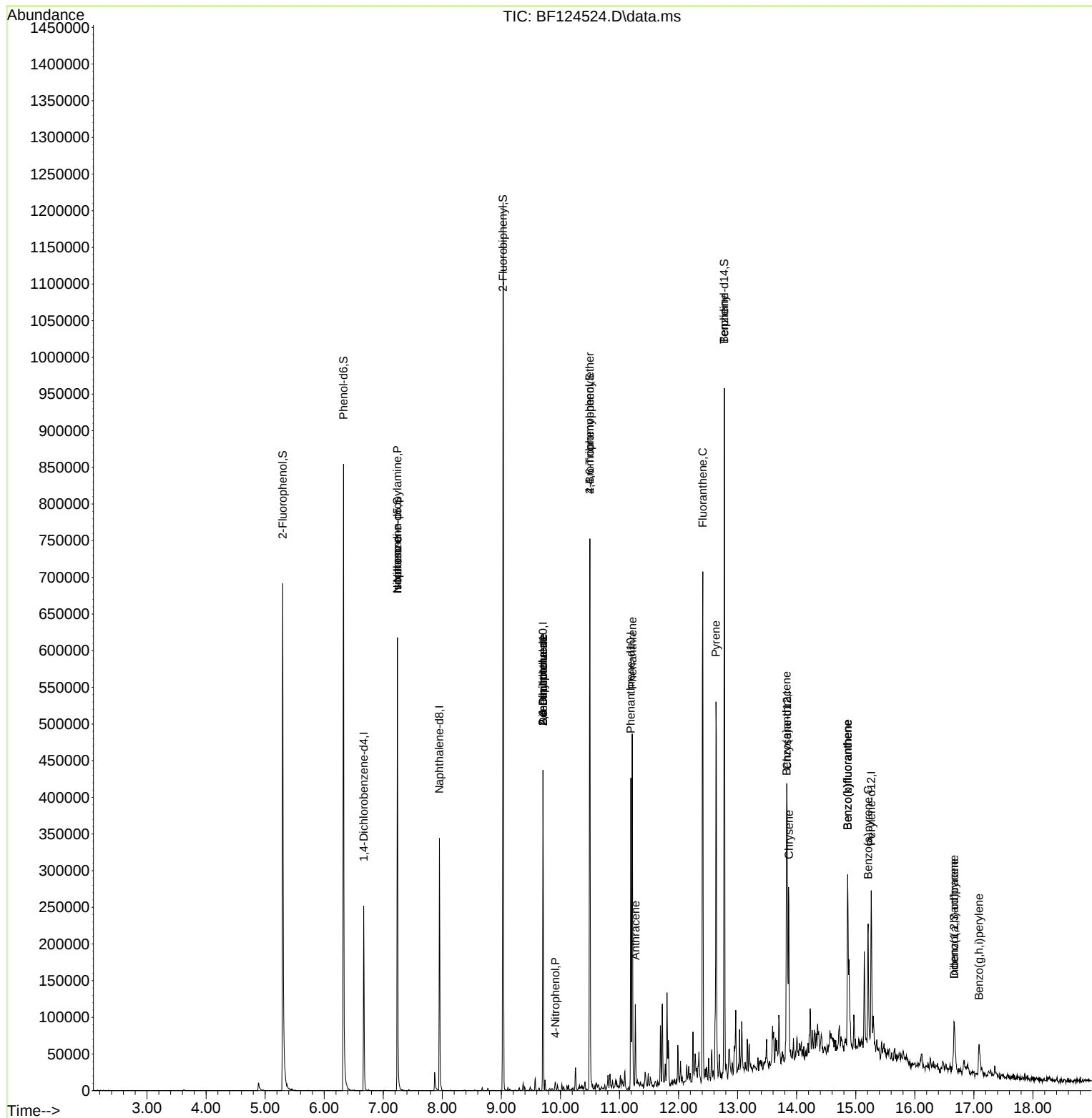
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	33048	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	127788	20.00	ng	# 0.00
39) Acenaphthene-d10	9.704	164	76213	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	124589	20.00	ng	0.00
76) Chrysene-d12	13.839	240	82970	20.00	ng	0.00
86) Perylene-d12	15.263	264	80782	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	190822	90.81	ng	0.00
7) Phenol-d6	6.328	99	240301	87.58	ng	0.00
23) Nitrobenzene-d5	7.239	82	176557	57.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	75849	83.30	ng	0.00
45) 2-Fluorobiphenyl	9.028	172	353869	56.88	ng	0.00
79) Terphenyl-d14	12.774	244	265245	47.88	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.239	70	24413	13.23	ng	# 59
25) Isophorone	7.239	82	176557	33.32	ng	# 69
50) Dimethylphthalate	9.704	163	15053	2.51	ng	# 1
51) 2,6-Dinitrotoluene	9.704	165	10195	7.35	ng	# 11
56) 4-Nitrophenol	9.916	139	1439	2.23	ng	# 1
57) 2,4-Dinitrotoluene	9.704	165	10195	5.54	ng	# 17
67) 4-Bromophenyl-phenylether	10.498	248	5151	3.07	ng	# 1
71) Phenanthrene	11.216	178	161266	20.53	ng	98
72) Anthracene	11.269	178	35305	4.51	ng	97
75) Fluoranthene	12.410	202	247997	31.38	ng	96
77) Benzidine	12.774	184	4594	2.76	ng	# 89
78) Pyrene	12.633	202	206845	27.31	ng	98
81) Benzo(a)anthracene	13.827	228	106115	17.74	ng	97
83) Chrysene	13.868	228	85772	14.47	ng	98
87) Indeno(1,2,3-cd)pyrene	16.668	276	43510	6.83	ng	98
88) Benzo(b)fluoranthene	14.863	252	153783	25.12	ng	98
89) Benzo(k)fluoranthene	14.863	252	153783	27.46	ng	99
90) Benzo(a)pyrene	15.210	252	77288	14.21	ng	98
91) Dibenzo(a,h)anthracene	16.668	278	14725	2.68	ng	# 76
92) Benzo(g,h,i)perylene	17.086	276	33902	6.28	ng	# 88

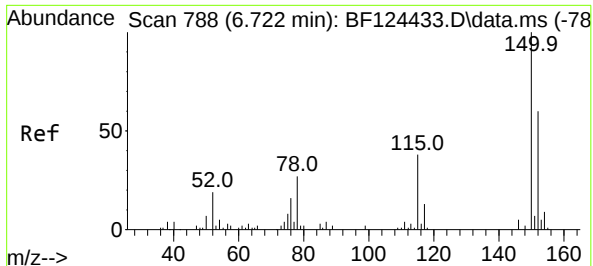
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 02 14:41:35 2021
Response via : Initial Calibration

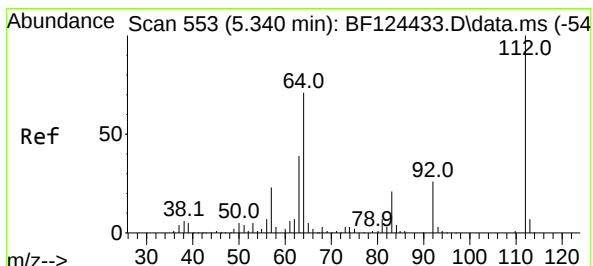
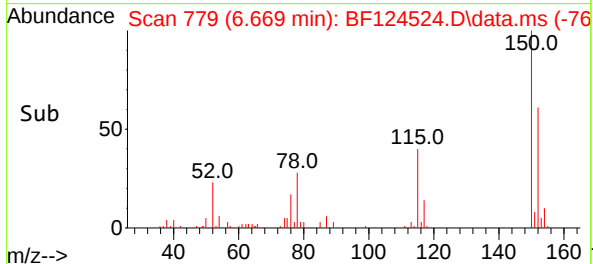
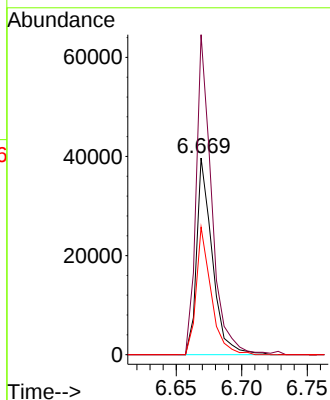
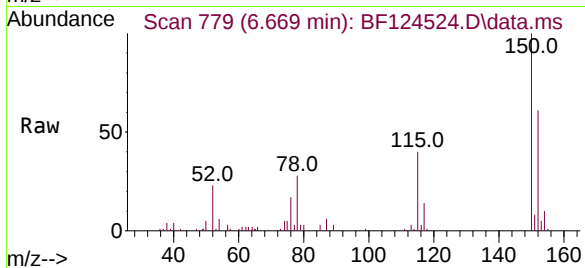




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

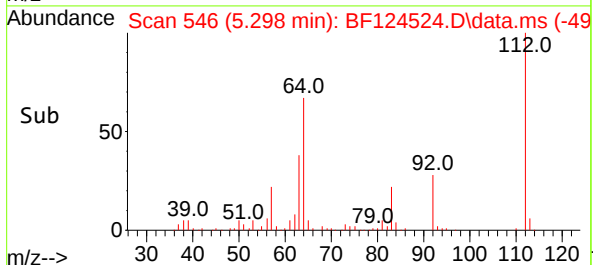
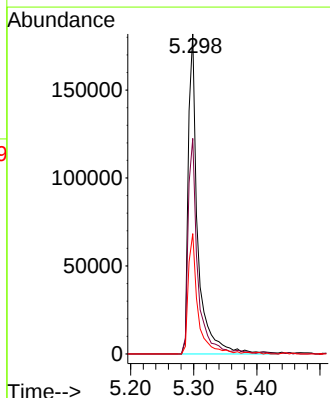
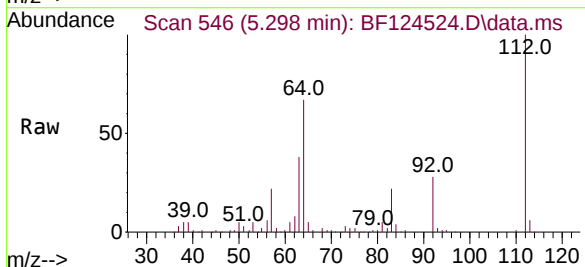
Instrument :
BNA_F
ClientSampleId :
D-2700

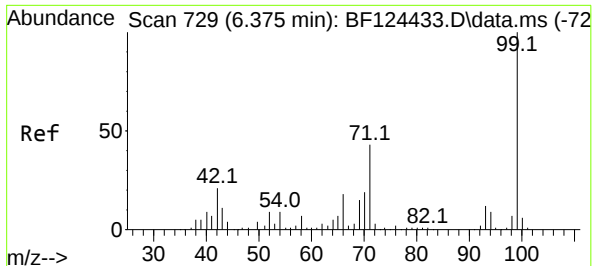
Tgt Ion:152 Resp: 33048
Ion Ratio Lower Upper
152 100
150 162.7 127.0 190.6
115 64.8 54.3 81.5



#5
2-Fluorophenol
Concen: 90.81 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion:112 Resp: 190822
Ion Ratio Lower Upper
112 100
64 67.3 61.4 92.0
63 37.6 33.0 49.4

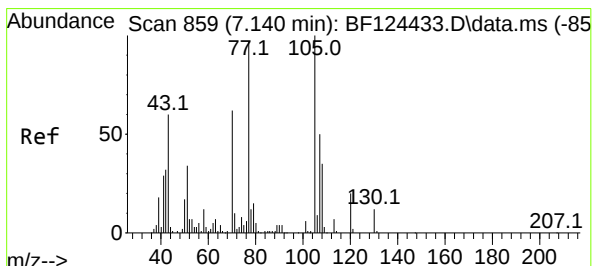
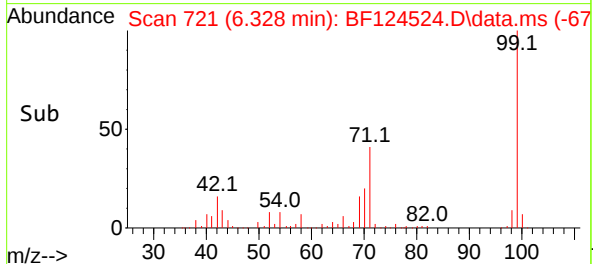
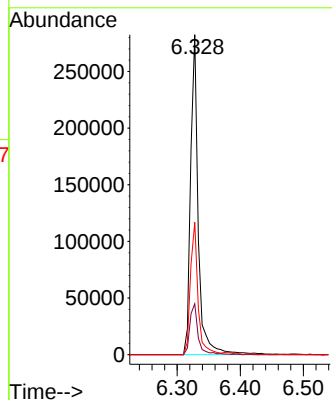
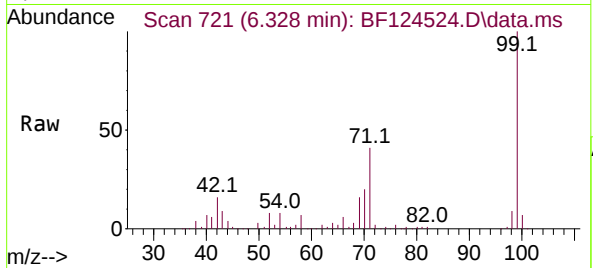




#7
Phenol-d6
Concen: 87.58 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

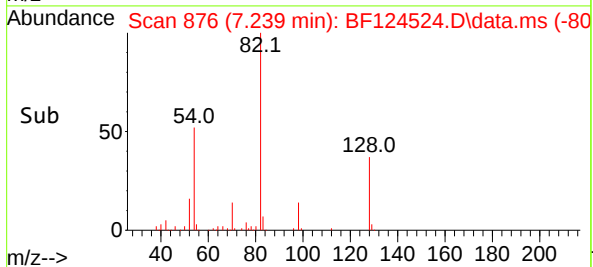
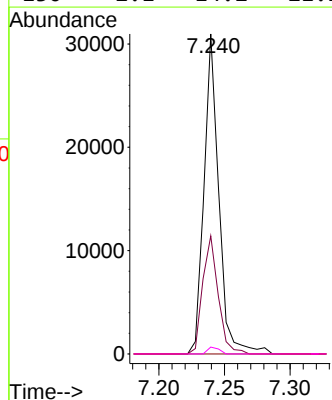
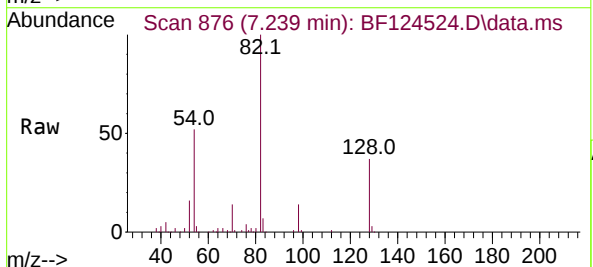
Instrument :
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ClientSampleId :
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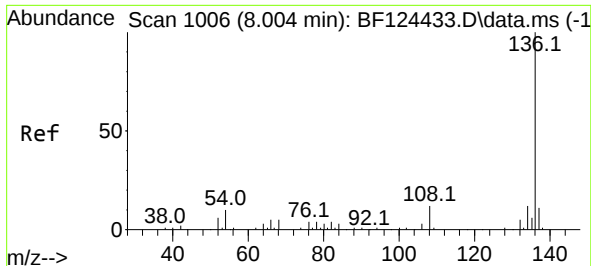
Tgt Ion: 99 Resp: 240301
Ion Ratio Lower Upper
99 100
42 15.9 19.8 29.8#
71 41.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.23 ng
RT: 7.239 min Scan# 876
Delta R.T. 0.141 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion: 70 Resp: 24413
Ion Ratio Lower Upper
70 100
42 36.9 60.1 90.1#
101 0.0 7.4 11.2#
130 2.1 14.2 21.2#

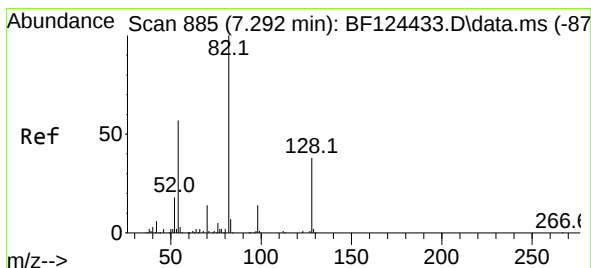
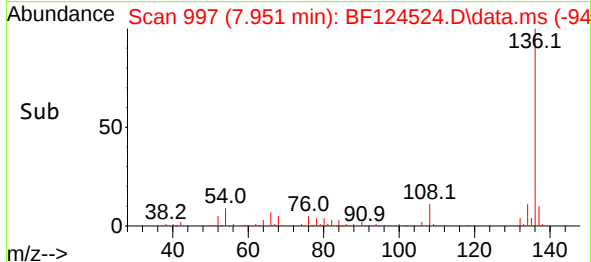
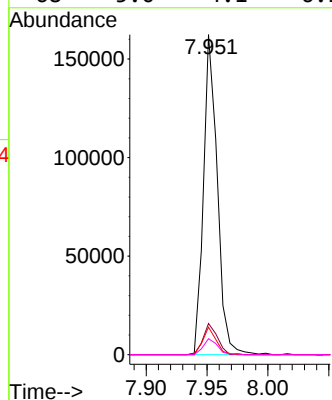
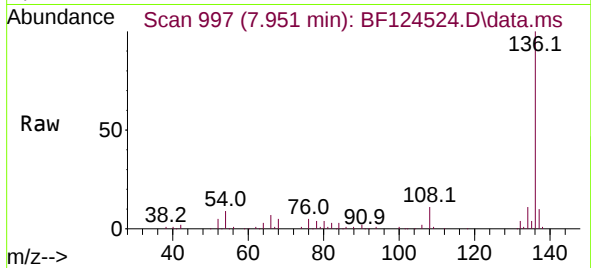




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

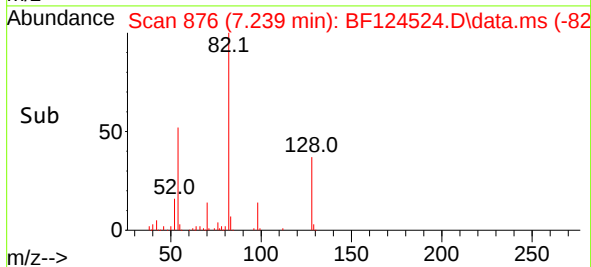
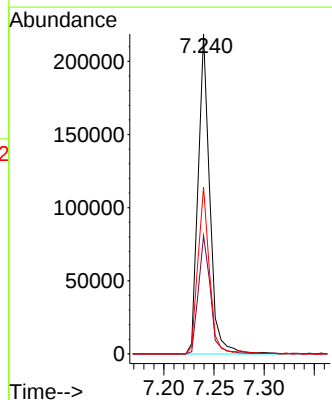
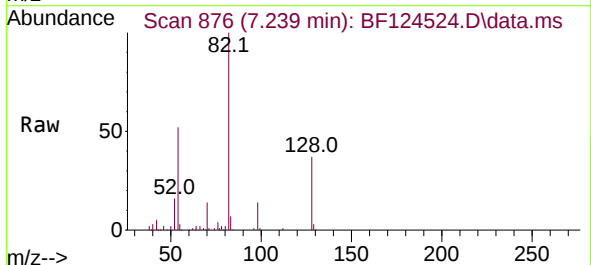
Instrument :
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ClientSampleId :
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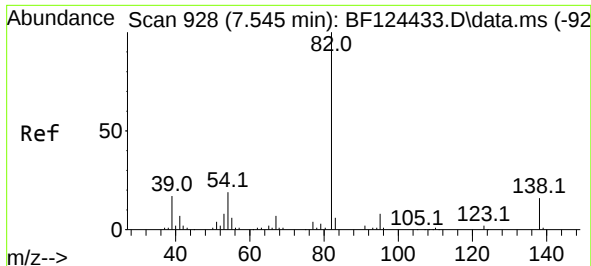
Tgt Ion:136	Resp: 127788
Ion Ratio	Lower Upper
136 100	
137 9.8	8.7 13.1
54 8.6	9.8 14.6#
68 5.0	4.1 6.1



#23
Nitrobenzene-d5
Concen: 57.29 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion: 82	Resp: 176557
Ion Ratio	Lower Upper
82 100	
128 36.9	29.4 44.2
54 52.2	54.1 81.1#

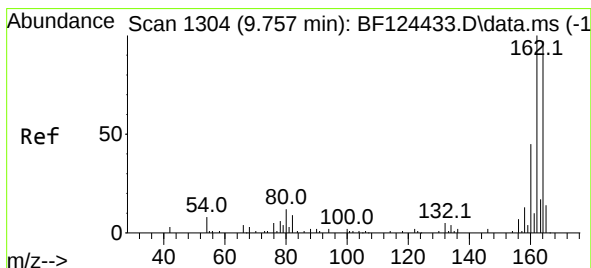
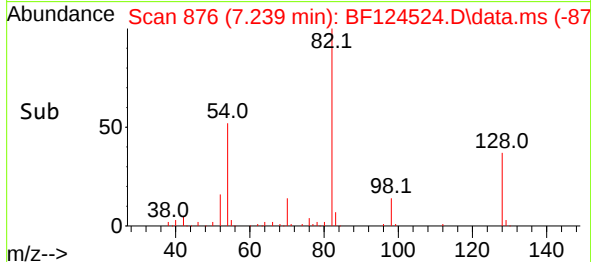
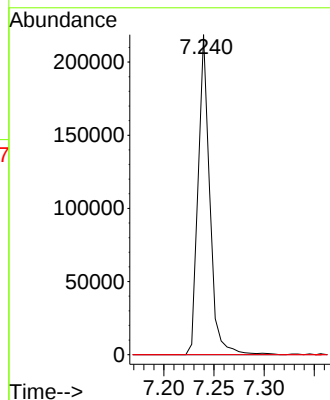
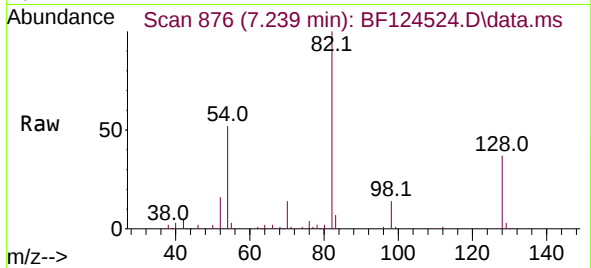




#25
Isophorone
Concen: 33.32 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.265 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

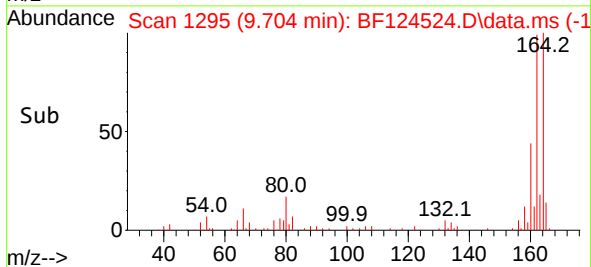
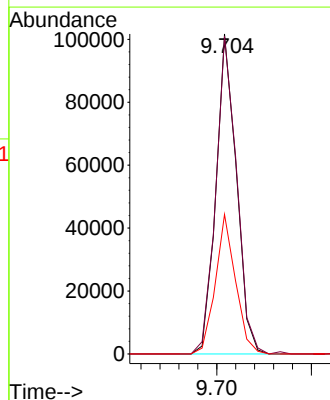
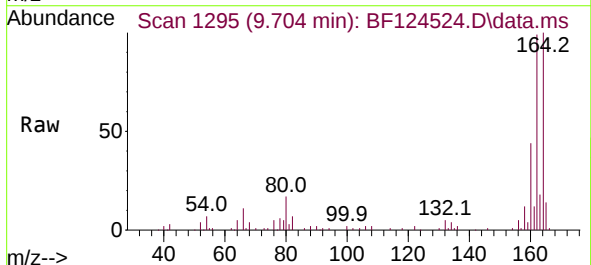
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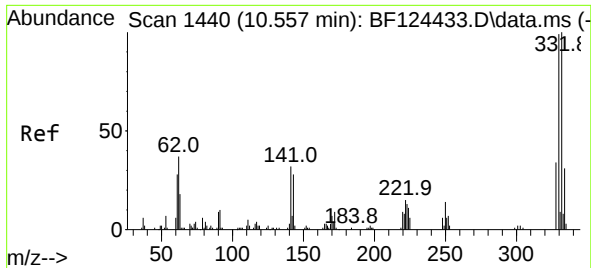
Tgt Ion: 82 Resp: 176557
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion: 164 Resp: 76213
Ion Ratio Lower Upper
164 100
162 99.3 80.7 121.1
160 43.6 37.3 55.9

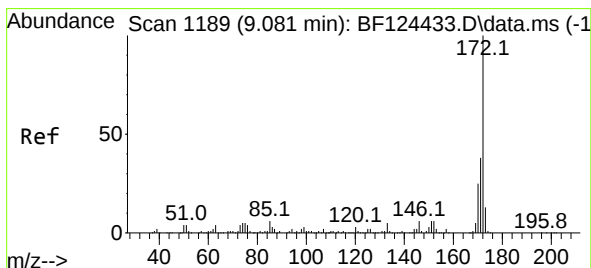
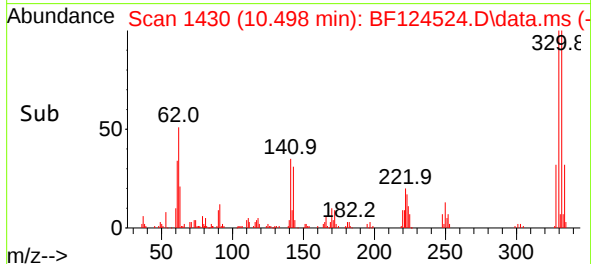
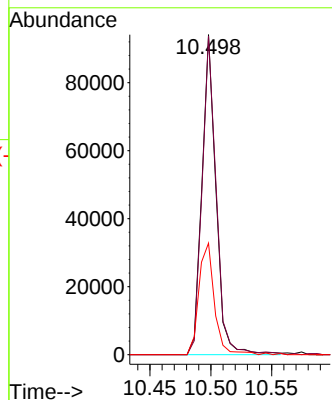
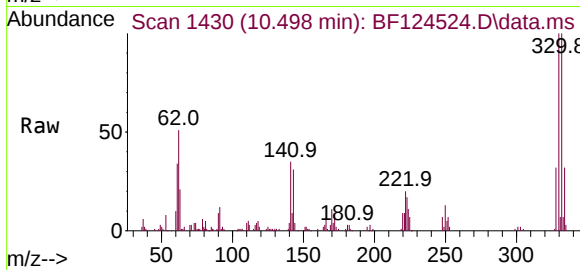




#42
2,4,6-Tribromophenol
Concen: 83.30 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

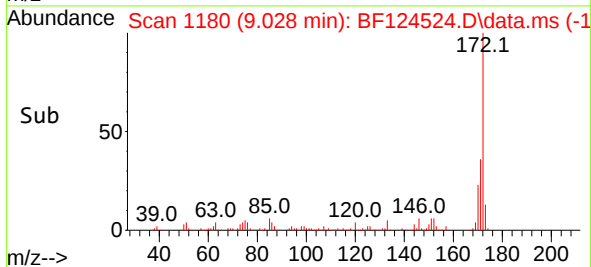
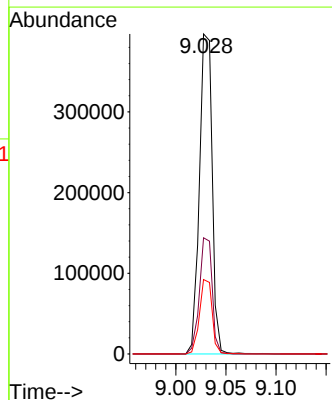
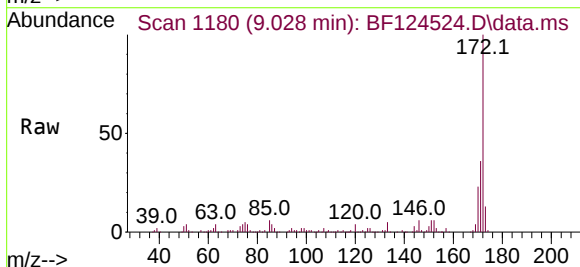
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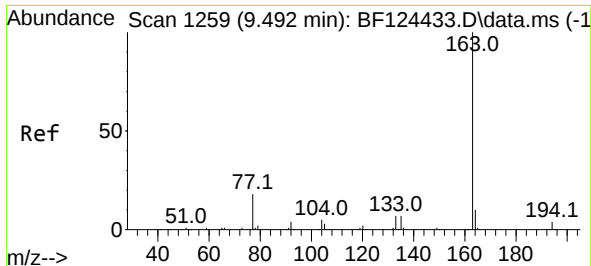
Tgt Ion: 330 Resp: 75849
Ion Ratio Lower Upper
330 100
332 100.1 77.1 115.7
141 38.8 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 56.88 ng
RT: 9.028 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion: 172 Resp: 353869
Ion Ratio Lower Upper
172 100
171 36.3 28.1 42.1
170 23.2 19.2 28.8

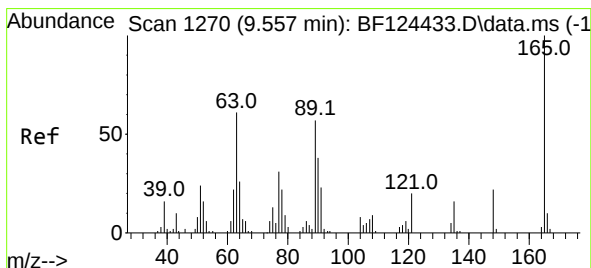
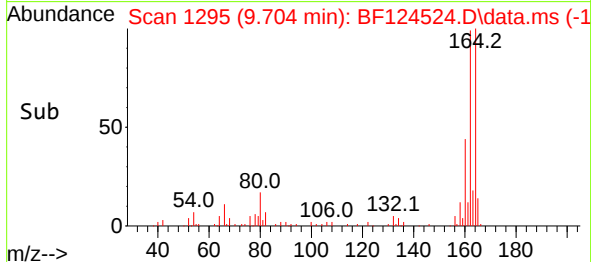
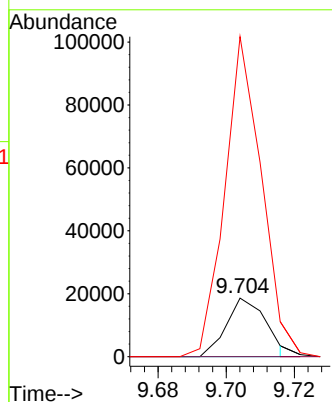
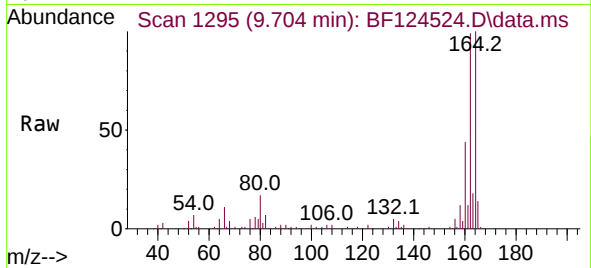




#50
Dimethylphthalate
Concen: 2.51 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.259 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

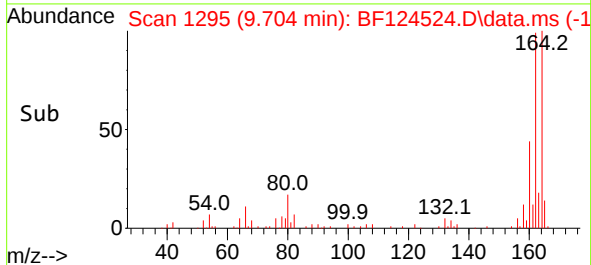
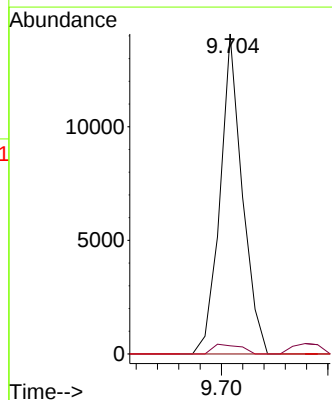
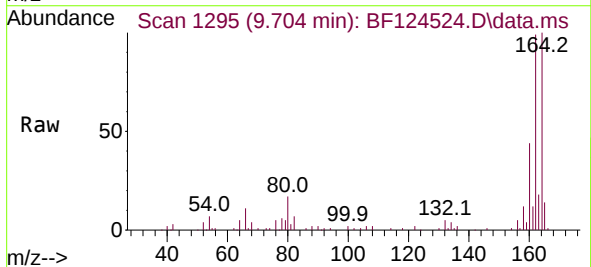
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ClientSampled :
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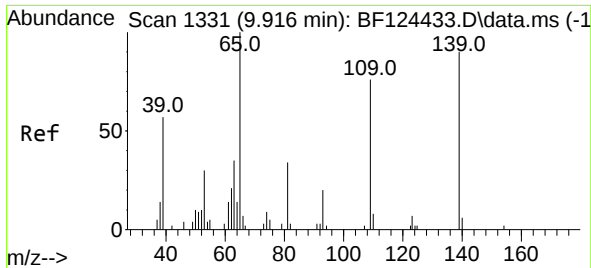
Tgt Ion:163 Resp: 15053
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 546.8 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 7.35 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.194 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion:165 Resp: 10195
Ion Ratio Lower Upper
165 100
63 2.6 67.7 101.5#
89 0.0 58.8 88.2#

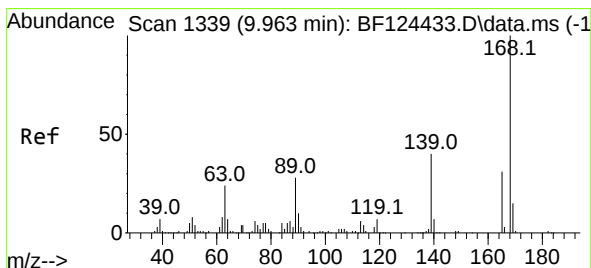
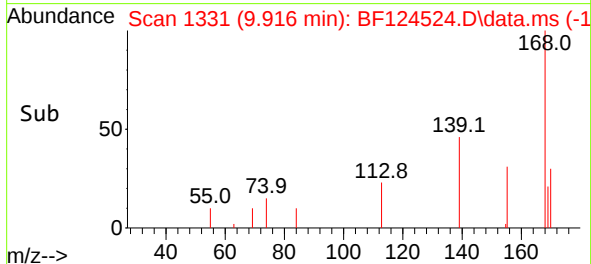
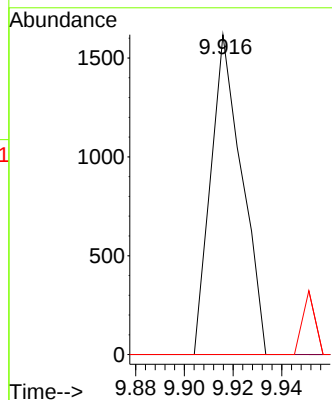
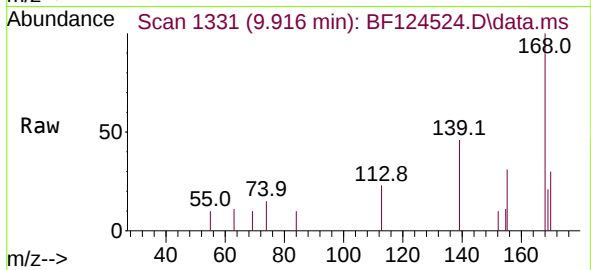




#56
4-Nitrophenol
Concen: 2.23 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.041 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

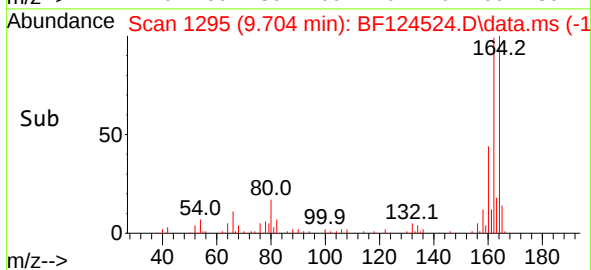
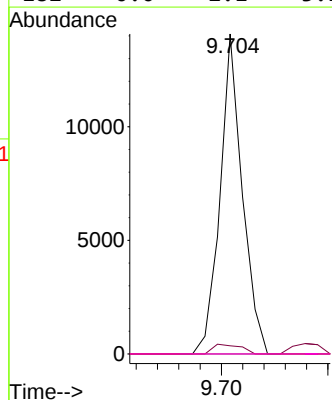
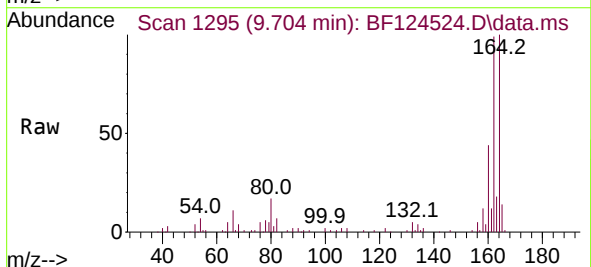
Instrument :
BNA_F
ClientSampled :
D-2700

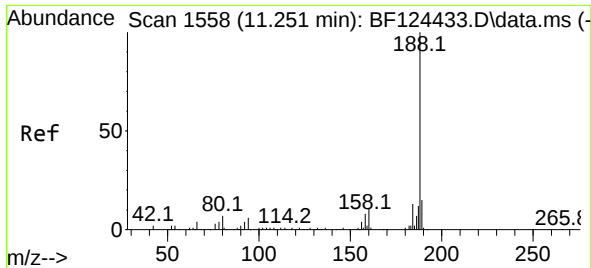
Tgt Ion:139 Resp: 1439
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 5.54 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.218 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion:165 Resp: 10195
Ion Ratio Lower Upper
165 100
63 2.6 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

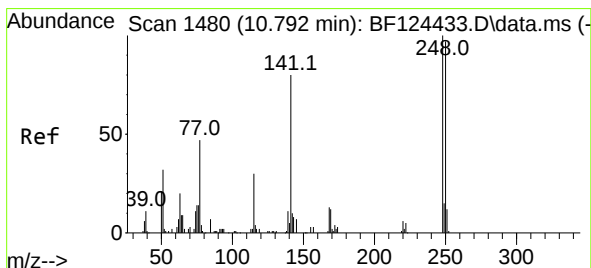
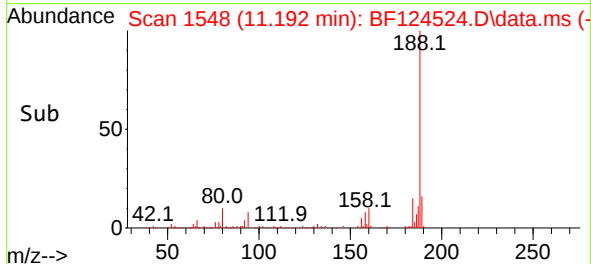
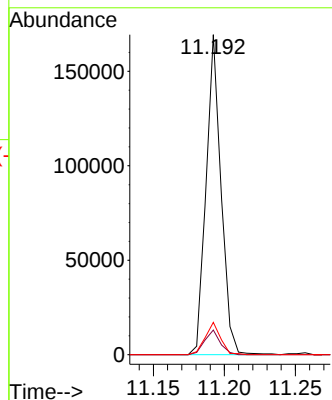
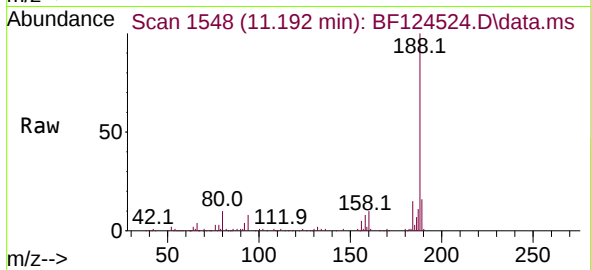




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

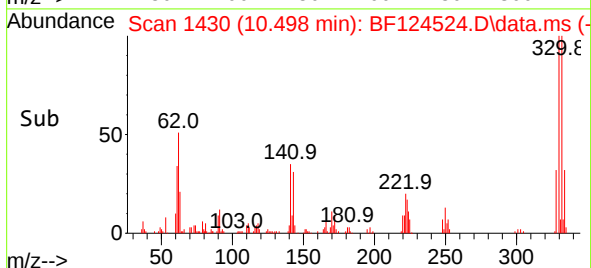
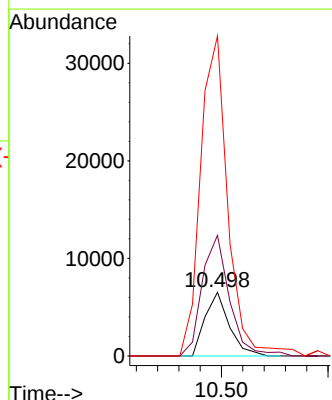
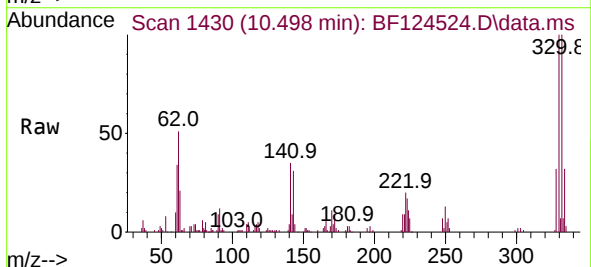
Instrument :
BNA_F
ClientSampleId :
D-2700

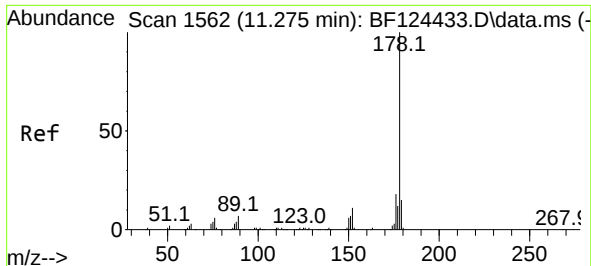
Tgt Ion:188 Resp: 124589
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 10.1 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.07 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.241 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion:248 Resp: 5151
Ion Ratio Lower Upper
248 100
250 189.2 77.4 116.2#
141 502.1 63.7 95.5#

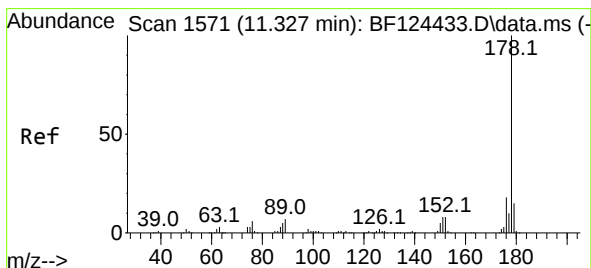
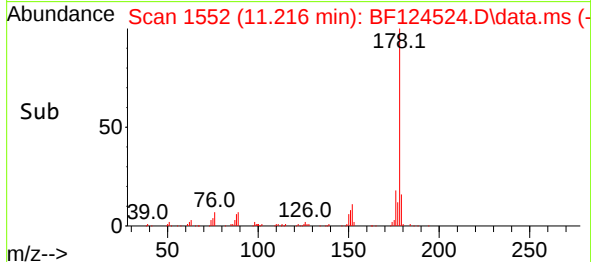
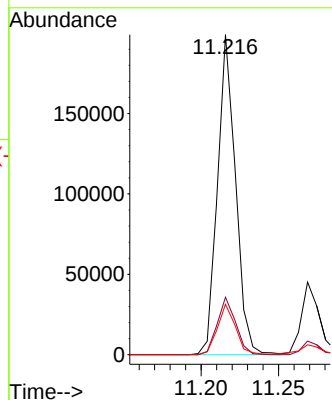
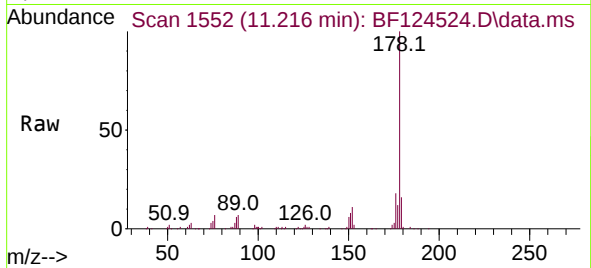




#71
Phenanthrene
Concen: 20.53 ng
RT: 11.216 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

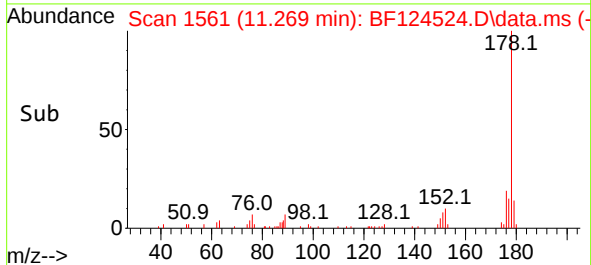
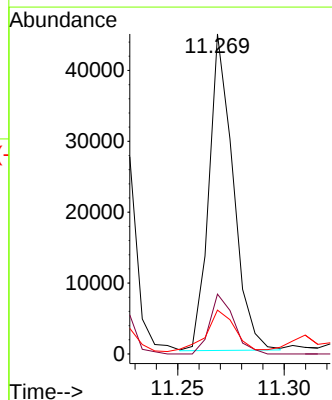
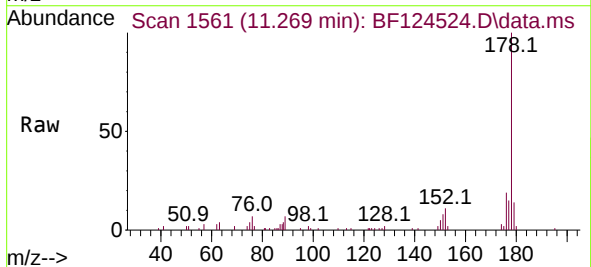
Instrument :
BNA_F
ClientSampleId :
D-2700

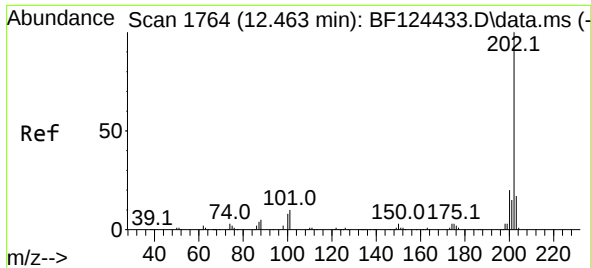
Tgt Ion:178 Resp: 161266
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 15.7 12.5 18.7



#72
Anthracene
Concen: 4.51 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion:178 Resp: 35305
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 13.7 12.6 18.8

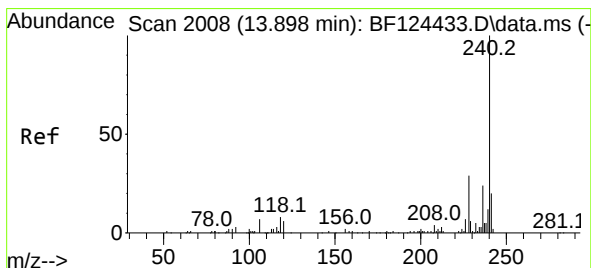
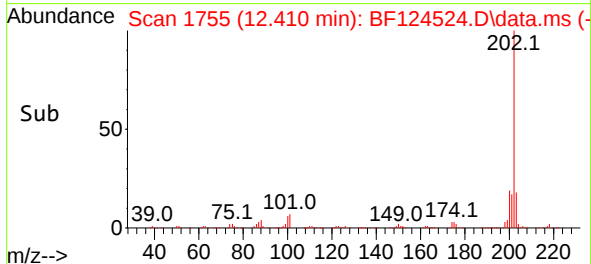
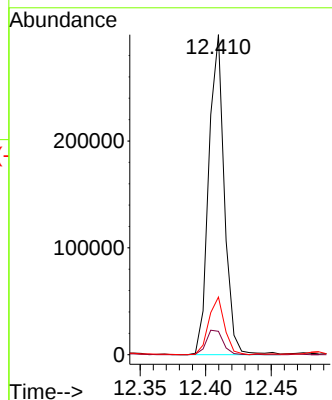
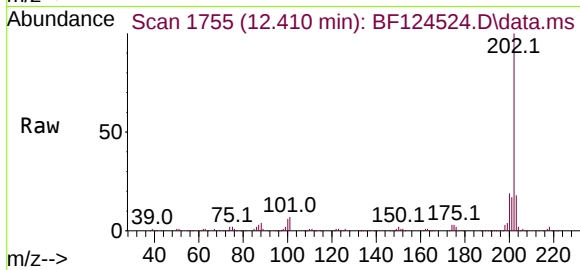




#75
Fluoranthene
Concen: 31.38 ng
RT: 12.410 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

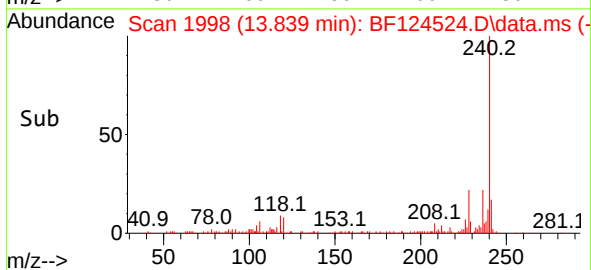
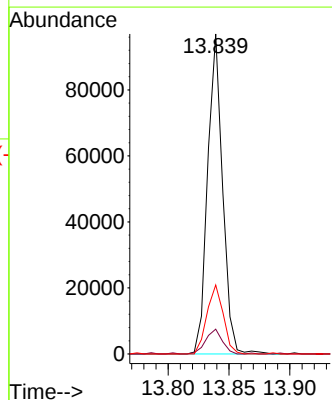
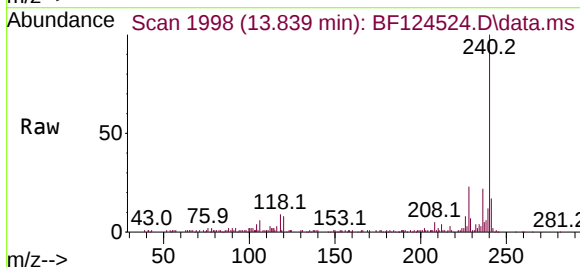
Instrument :
BNA_F
ClientSampleId :
D-2700

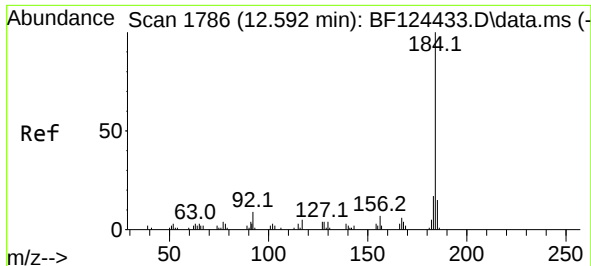
Tgt Ion:	202	Resp:	247997
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	30.9
203	18.0	0.0	37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.839 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion:	240	Resp:	82970
Ion Ratio	Lower	Upper	
240	100		
120	7.8	7.2	10.8
236	21.6	19.0	28.4

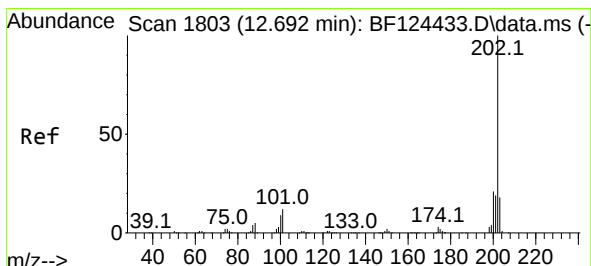
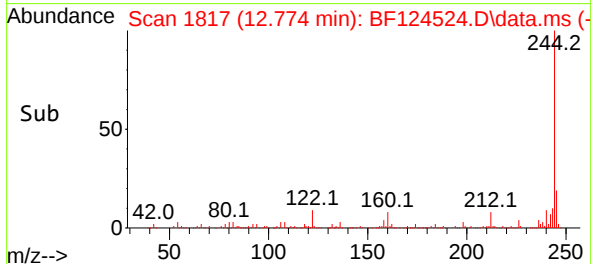
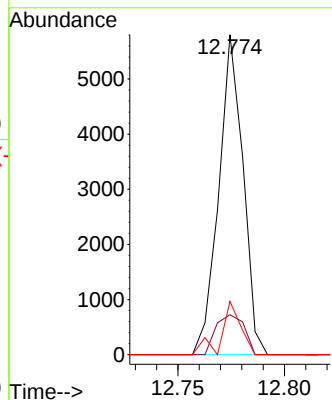
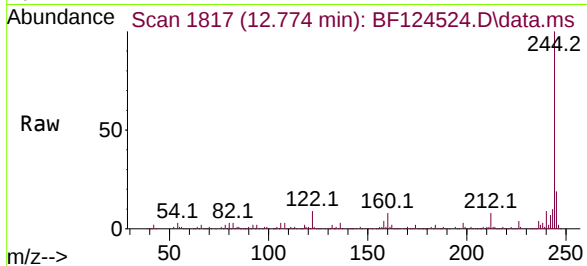




#77
Benzidine
Concen: 2.76 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.241 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

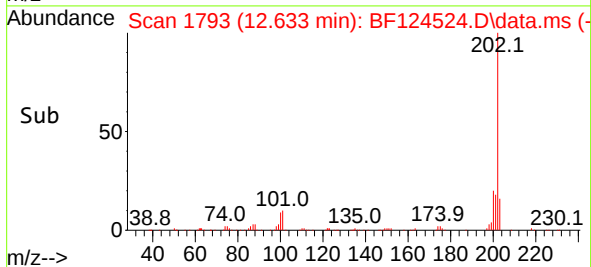
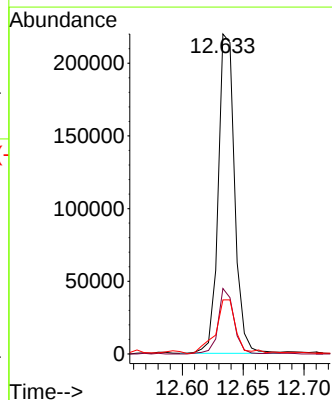
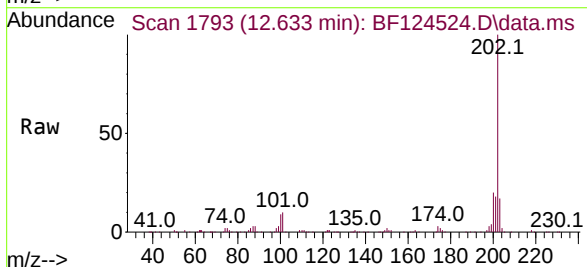
Instrument :
BNA_F
ClientSampleId :
D-2700

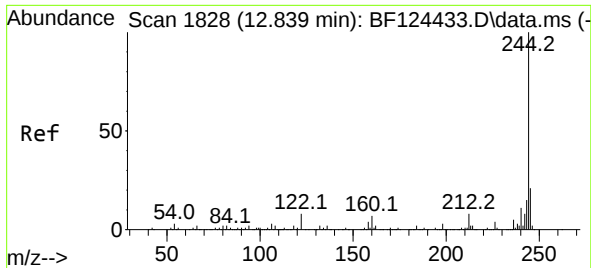
Tgt Ion:184 Resp: 4594
Ion Ratio Lower Upper
184 100
185 12.5 12.1 18.1
183 16.7 7.8 11.8#



#78
Pyrene
Concen: 27.31 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

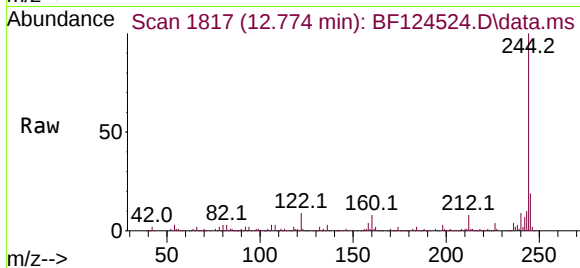
Tgt Ion:202 Resp: 206845
Ion Ratio Lower Upper
202 100
200 20.5 16.1 24.1
203 16.9 14.8 22.2



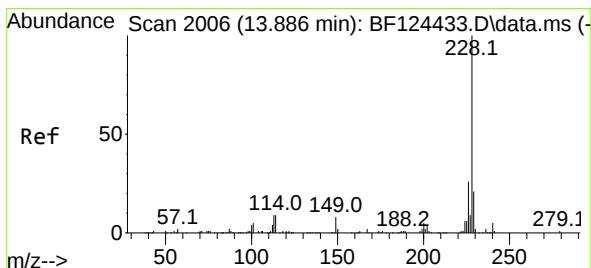
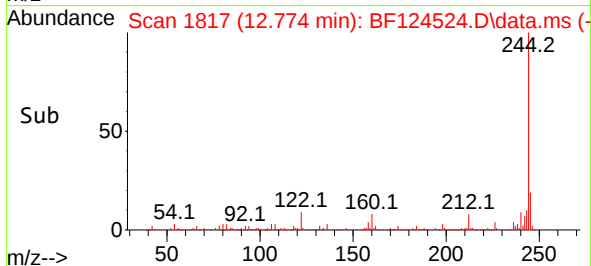
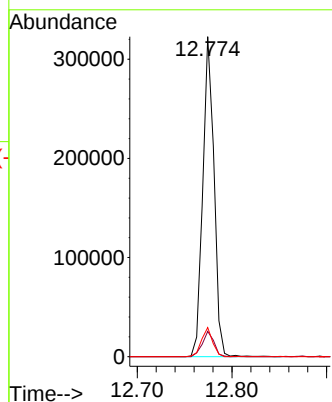


#79
 Terphenyl-d14
 Concen: 47.88 ng
 RT: 12.774 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF124524.D
 Acq: 2 Jul 2021 18:21

Instrument :
 BNA_F
 ClientSampleId :
 D-2700

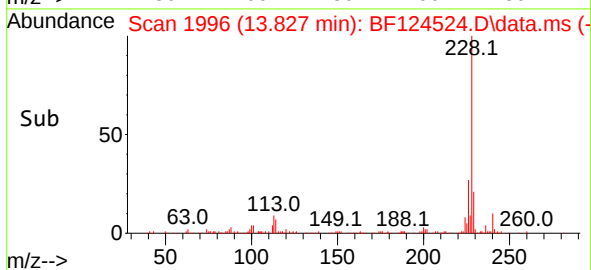
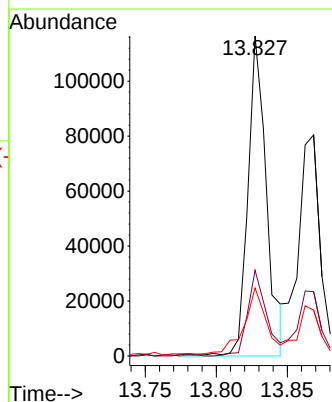
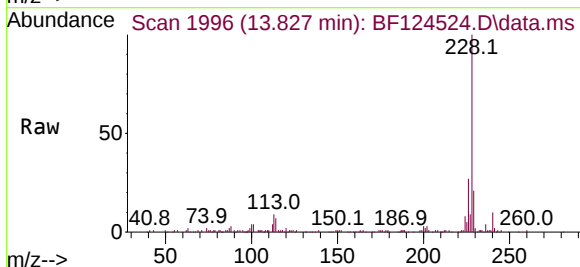


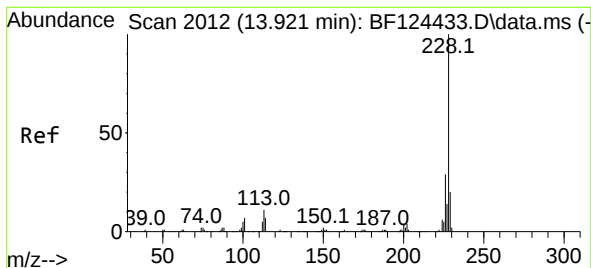
Tgt Ion:244 Resp: 265245
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 9.1 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 17.74 ng
 RT: 13.827 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: BF124524.D
 Acq: 2 Jul 2021 18:21

Tgt Ion:228 Resp: 106115
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.4 33.6
 229 21.3 16.0 24.0





#83

Chrysene

Concen: 14.47 ng

RT: 13.868 min Scan# 2003

Delta R.T. 0.000 min

Lab File: BF124524.D

Acq: 2 Jul 2021 18:21

Tgt Ion:228 Resp: 85772

Ion Ratio Lower Upper

228 100

226 29.1 24.3 36.5

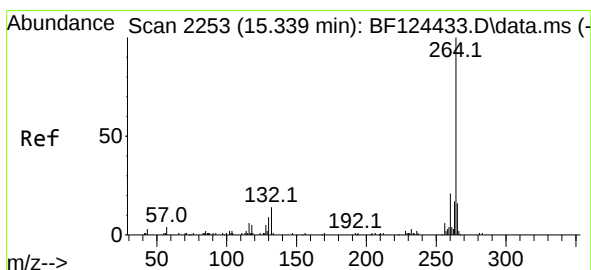
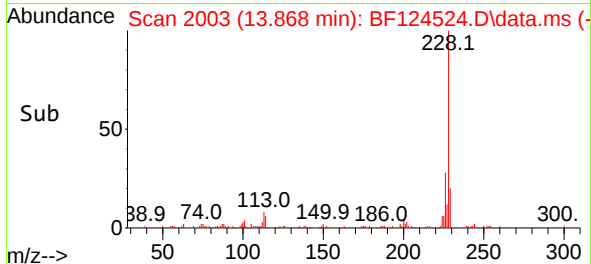
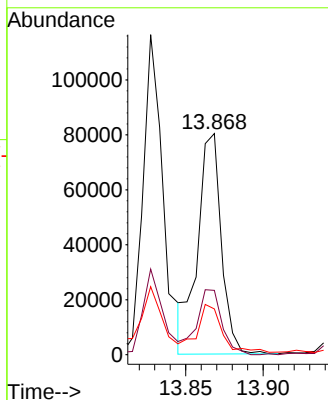
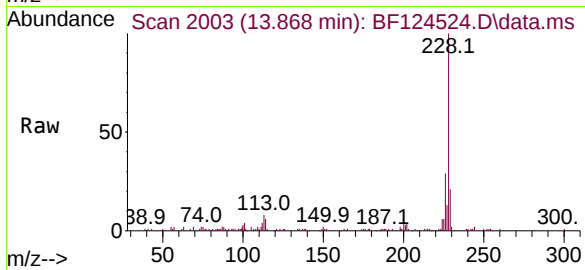
229 20.7 16.2 24.2

Instrument :

BNA_F

ClientSampleId :

D-2700



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.263 min Scan# 2240

Delta R.T. 0.000 min

Lab File: BF124524.D

Acq: 2 Jul 2021 18:21

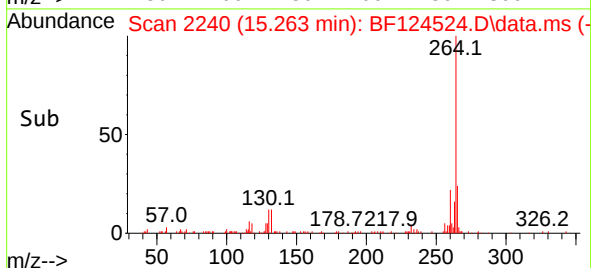
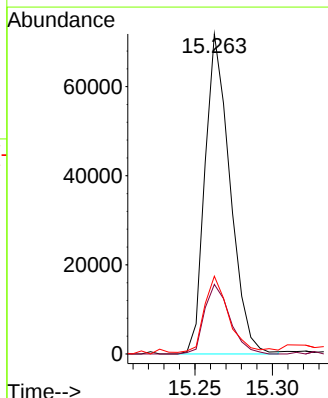
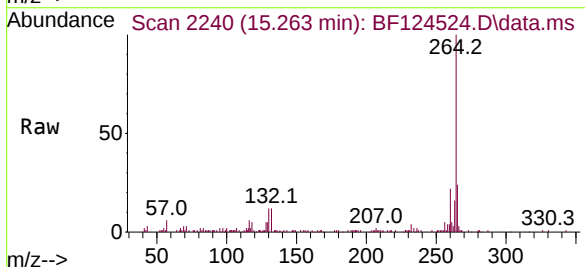
Tgt Ion:264 Resp: 80782

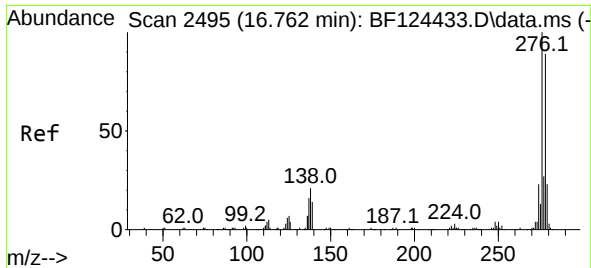
Ion Ratio Lower Upper

264 100

260 21.7 18.7 28.1

265 24.3 17.8 26.8

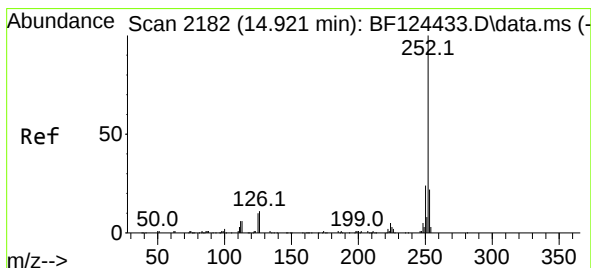
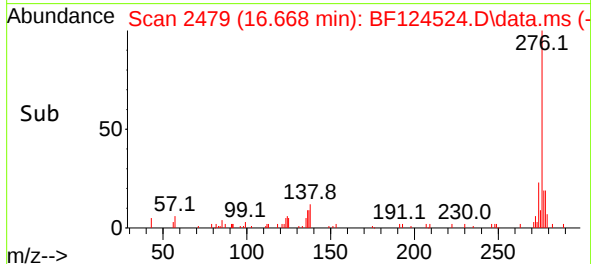
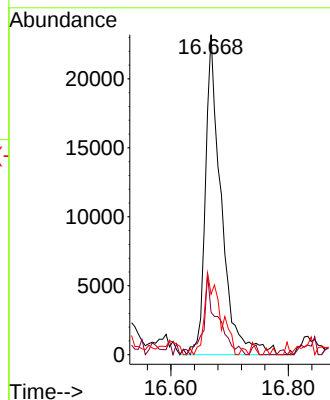
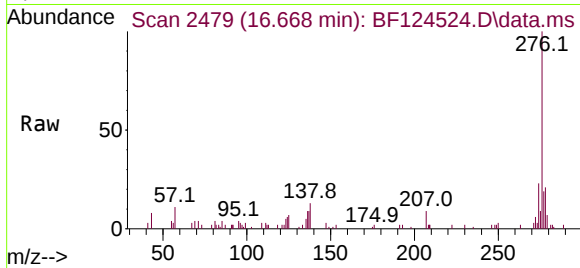




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.83 ng
RT: 16.668 min Scan# 2479
Delta R.T. 0.018 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

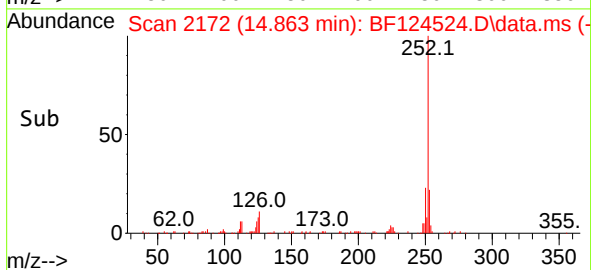
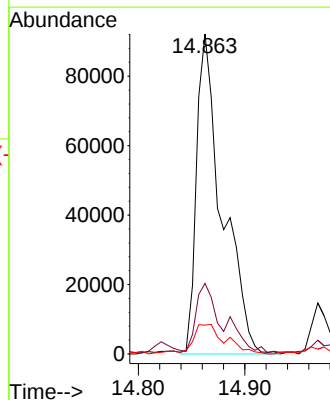
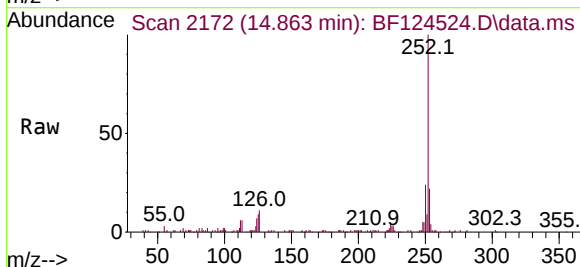
Instrument :
BNA_F
ClientSampled :
D-2700

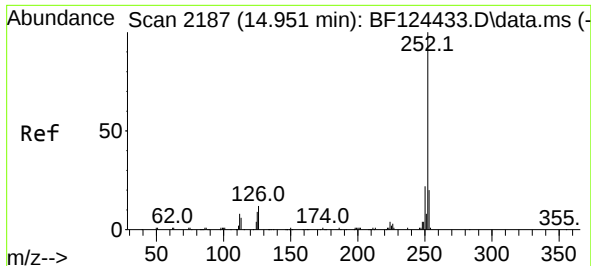
Tgt Ion:276 Resp: 43510
Ion Ratio Lower Upper
276 100
138 21.2 16.2 24.2
277 25.6 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 25.12 ng
RT: 14.863 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion:252 Resp: 153783
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 9.0 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 27.46 ng

RT: 14.863 min Scan# 2172

Delta R.T. -0.024 min

Lab File: BF124524.D

Acq: 2 Jul 2021 18:21

Instrument :

BNA_F

ClientSampleId :

D-2700

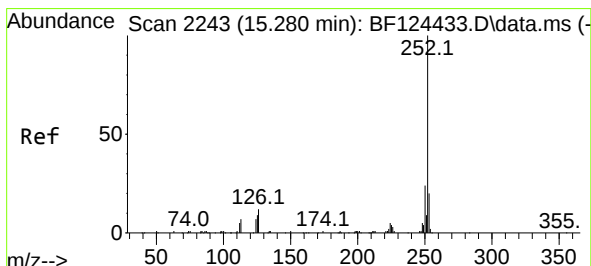
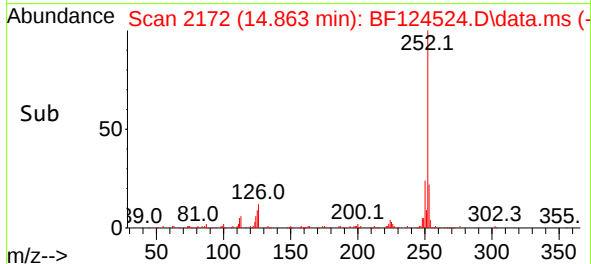
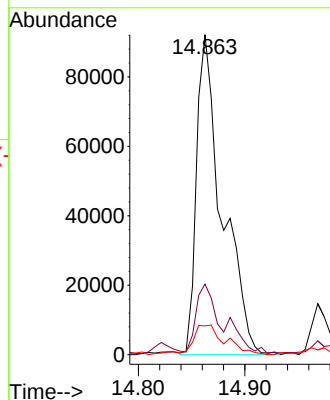
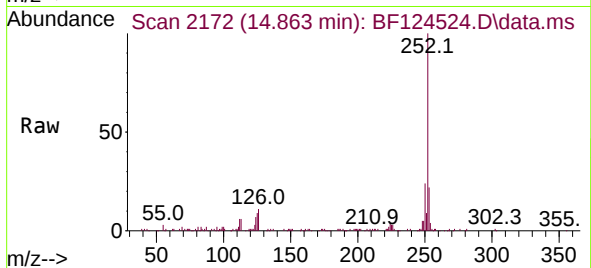
Tgt Ion:252 Resp: 153783

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 9.0 7.0 10.6



#90

Benzo(a)pyrene

Concen: 14.21 ng

RT: 15.210 min Scan# 2231

Delta R.T. 0.006 min

Lab File: BF124524.D

Acq: 2 Jul 2021 18:21

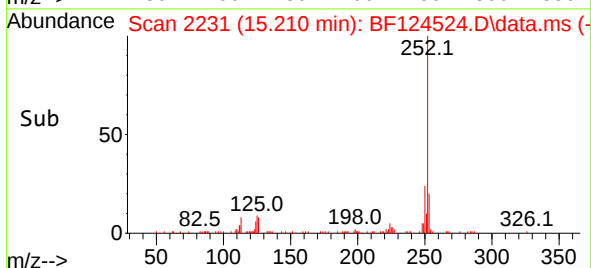
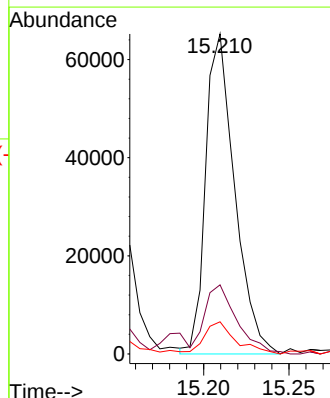
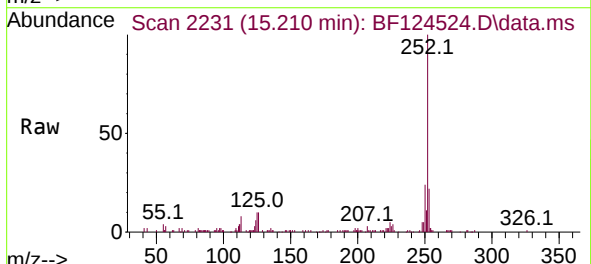
Tgt Ion:252 Resp: 77288

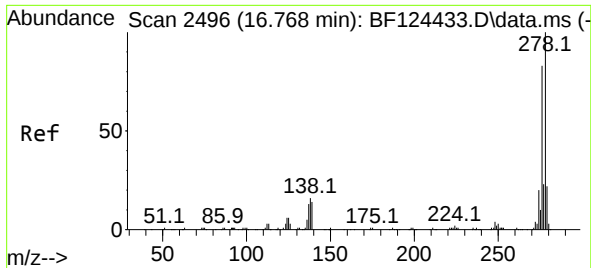
Ion Ratio Lower Upper

252 100

253 21.6 18.4 27.6

125 10.0 8.0 12.0

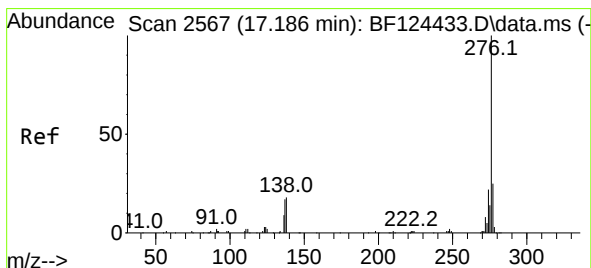
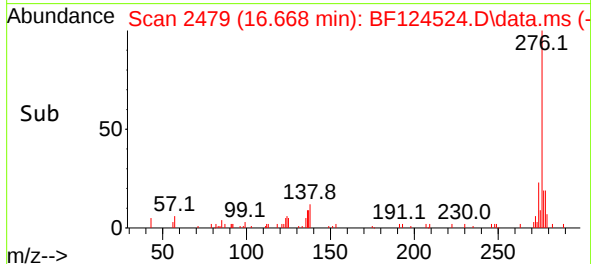
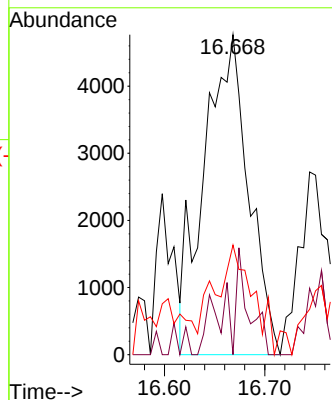
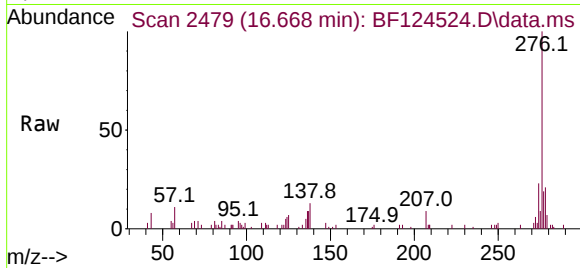




#91
Dibenzo(a,h)anthracene
Concen: 2.68 ng
RT: 16.668 min Scan# 2479
Delta R.T. 0.018 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Instrument :
BNA_F
ClientSampled :
D-2700

Tgt Ion:278 Resp: 14725
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 34.3 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 6.28 ng
RT: 17.086 min Scan# 2550
Delta R.T. 0.018 min
Lab File: BF124524.D
Acq: 2 Jul 2021 18:21

Tgt Ion:276 Resp: 33902
Ion Ratio Lower Upper
276 100
277 30.0 18.2 27.2#
138 20.3 13.8 20.6

