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 Data File : BF124528.D
 Acq On : 2 Jul 2021 20:35
 Operator : JU/CG
 Sample : M2913-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

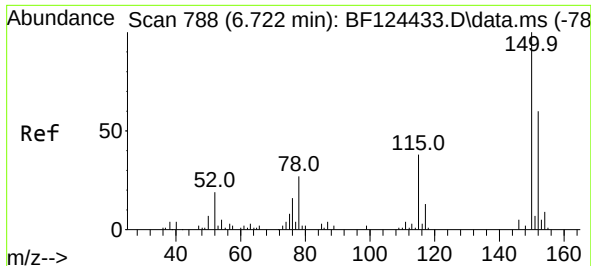
Instrument :
 BNA_F
 ClientSampleId :
 D-2500

Quant Time: Jul 03 01:45:41 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	35528	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	129110	20.00	ng	# 0.00
39) Acenaphthene-d10	9.704	164	63634	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	97252	20.00	ng	# 0.00
76) Chrysene-d12	13.839	240	84367	20.00	ng	# 0.00
86) Perylene-d12	15.263	264	56775	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	190850	84.48	ng	0.00
7) Phenol-d6	6.328	99	226140	76.67	ng	0.00
23) Nitrobenzene-d5	7.240	82	168915	54.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	55127	72.51	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	321406	61.87	ng	0.00
79) Terphenyl-d14	12.774	244	264084	46.88	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.240	70	23662	11.93	ng	# 64
25) Isophorone	7.240	82	168915	31.55	ng	# 69
50) Dimethylphthalate	9.704	163	12680	2.53	ng	# 1
51) 2,6-Dinitrotoluene	9.704	165	9608	8.29	ng	# 14
52) Acenaphthene	9.739	154	17552	4.32	ng	98
55) Dibenzofuran	9.910	168	18189	2.81	ng	94
56) 4-Nitrophenol	9.910	139	7820	14.53	ng	# 1
58) Fluorene	10.251	166	29362	5.90	ng	96
67) 4-Bromophenyl-phenylether	10.498	248	3026	2.31	ng	# 1
71) Phenanthrene	11.222	178	368269	60.07	ng	98
72) Anthracene	11.269	178	81280	13.31	ng	96
73) Carbazole	11.433	167	19433	3.65	ng	# 97
75) Fluoranthene	12.410	202	410598	66.55	ng	98
77) Benzidine	12.774	184	5053	2.99	ng	97
78) Pyrene	12.639	202	378704	49.18	ng	98
81) Benzo(a)anthracene	13.827	228	177884	29.24	ng	96
83) Chrysene	13.868	228	159482	26.46	ng	98
84) Bis(2-ethylhexyl)phtha...	13.810	149	13860	3.38	ng	# 90
87) Indeno(1,2,3-cd)pyrene	16.662	276	52286	11.68	ng	93
88) Benzo(b)fluoranthene	14.863	252	192018	44.63	ng	# 98
89) Benzo(k)fluoranthene	14.863	252	192018	48.78	ng	98
90) Benzo(a)pyrene	15.210	252	103926	27.18	ng	97
91) Dibenzo(a,h)anthracene	16.821	278	12209	3.17	ng	95
92) Benzo(g,h,i)perylene	17.080	276	51885	13.67	ng	# 93

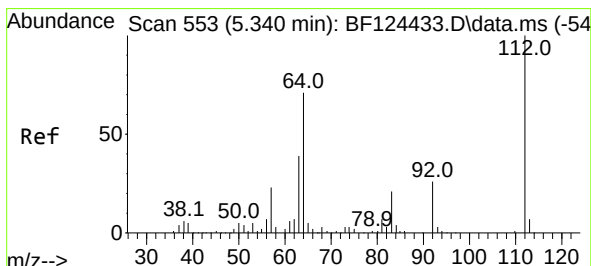
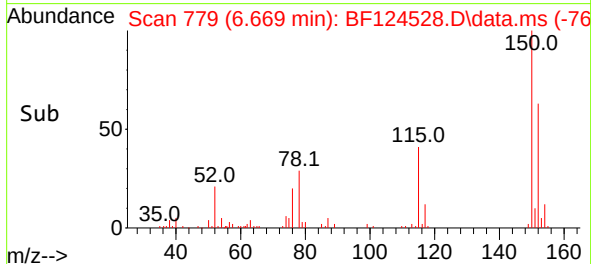
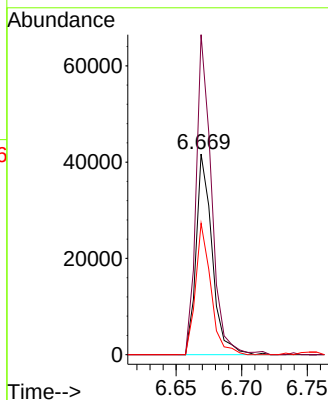
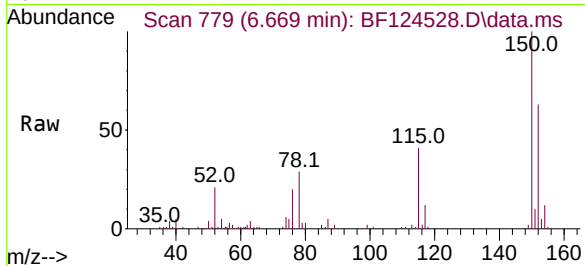
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.669 min Scan# 779
 Delta R.T. -0.006 min
 Lab File: BF124528.D
 Acq: 2 Jul 2021 20:35

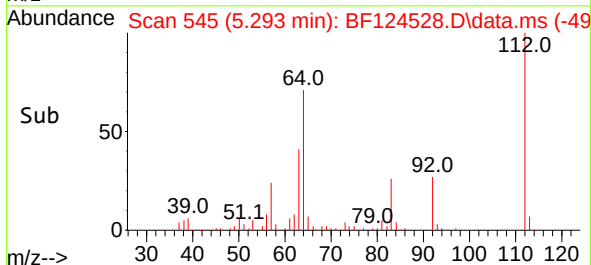
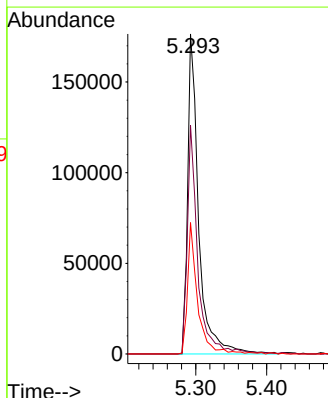
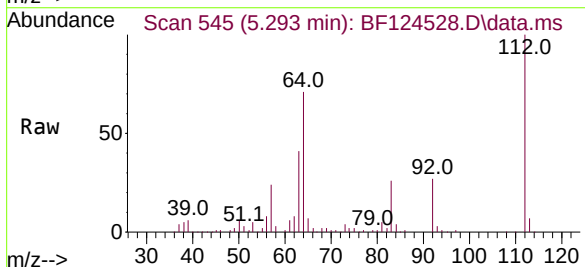
Instrument :
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 ClientSampleId :
 D-2500

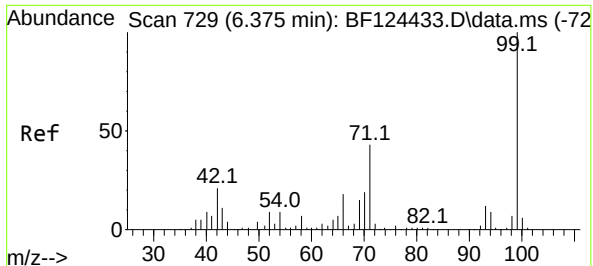
Tgt Ion:152 Resp: 35528
 Ion Ratio Lower Upper
 152 100
 150 159.5 127.0 190.6
 115 65.5 54.3 81.5



#5
 2-Fluorophenol
 Concen: 84.48 ng
 RT: 5.293 min Scan# 545
 Delta R.T. 0.000 min
 Lab File: BF124528.D
 Acq: 2 Jul 2021 20:35

Tgt Ion:112 Resp: 190850
 Ion Ratio Lower Upper
 112 100
 64 71.4 61.4 92.0
 63 41.1 33.0 49.4

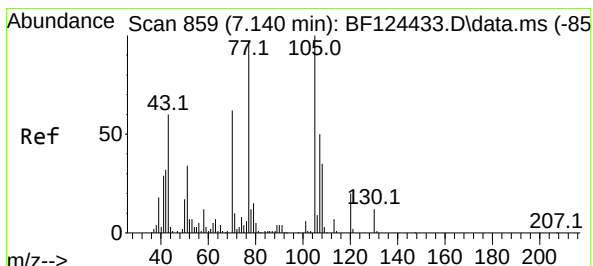
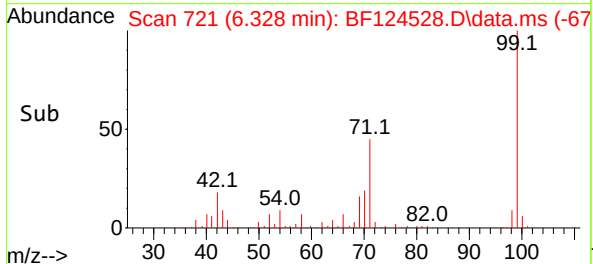
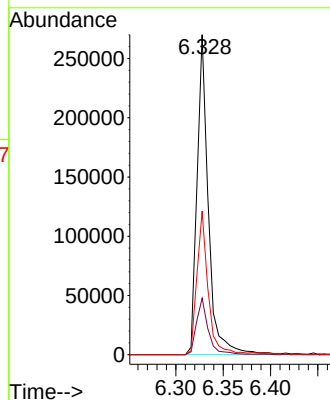
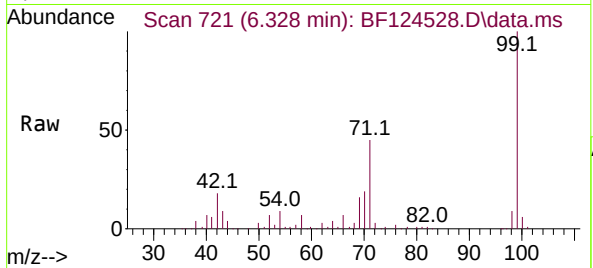




#7
Phenol-d6
Concen: 76.67 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

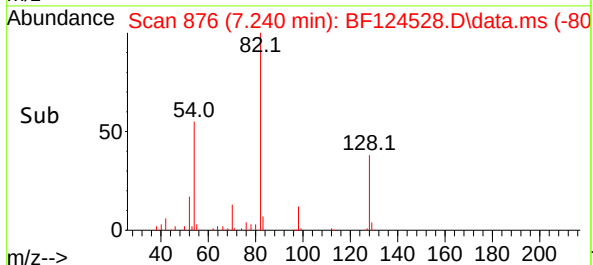
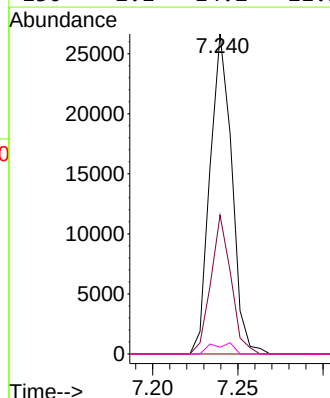
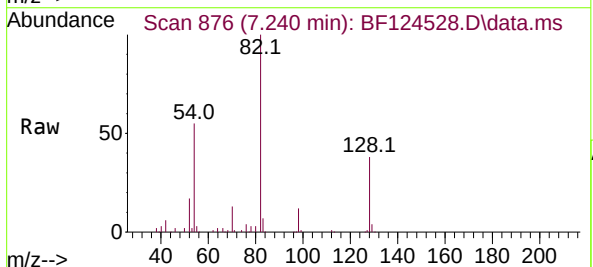
Instrument :
BNA_F
ClientSampleId :
D-2500

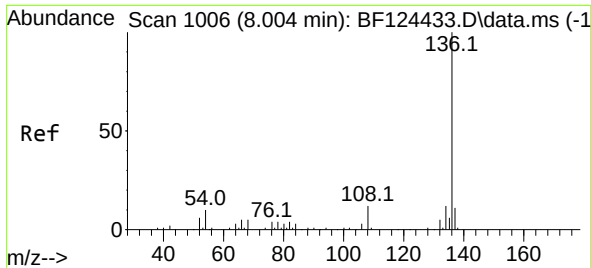
Tgt Ion: 99 Resp: 226140
Ion Ratio Lower Upper
99 100
42 17.7 19.8 29.8#
71 44.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.93 ng
RT: 7.240 min Scan# 876
Delta R.T. 0.141 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion: 70 Resp: 23662
Ion Ratio Lower Upper
70 100
42 43.4 60.1 90.1#
101 0.0 7.4 11.2#
130 2.1 14.2 21.2#

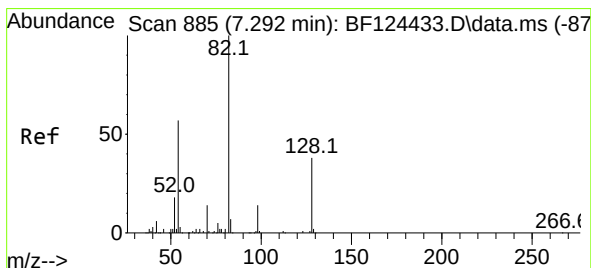
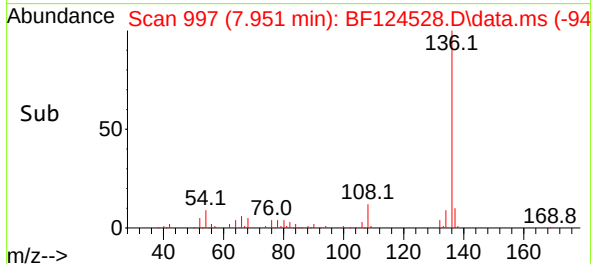
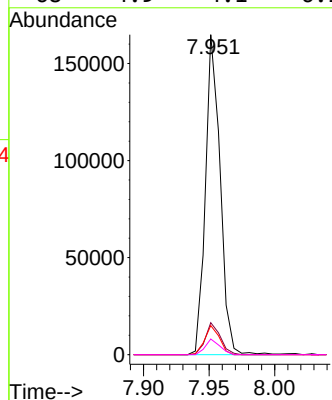
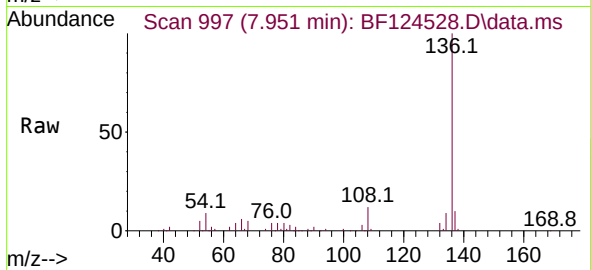




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

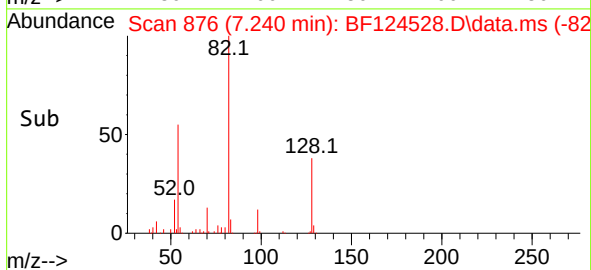
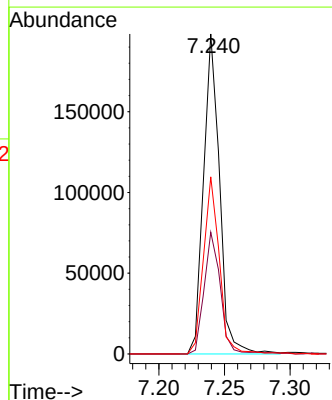
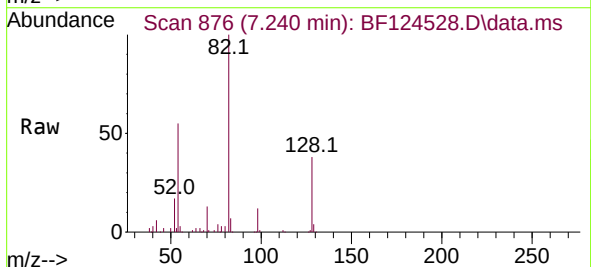
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BNA_F
ClientSampleId :
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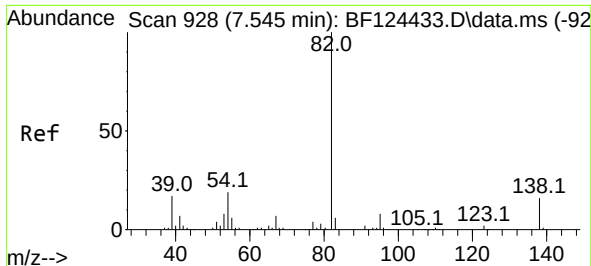
Tgt Ion:136 Resp: 129110
Ion Ratio Lower Upper
136 100
137 10.0 8.7 13.1
54 9.1 9.8 14.6#
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 54.25 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion: 82 Resp: 168915
Ion Ratio Lower Upper
82 100
128 38.0 29.4 44.2
54 55.3 54.1 81.1

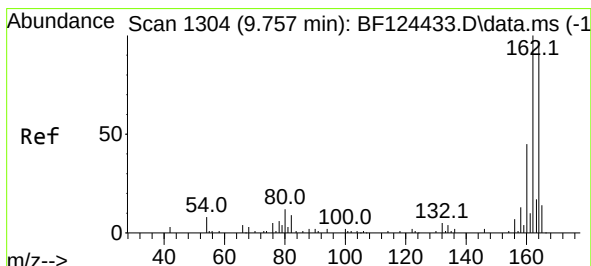
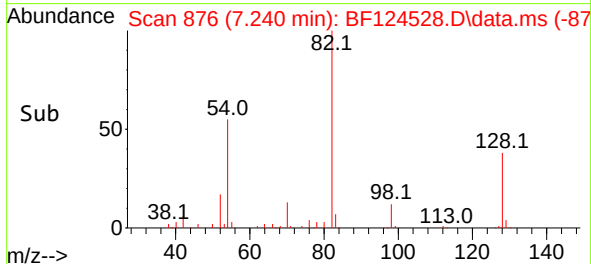
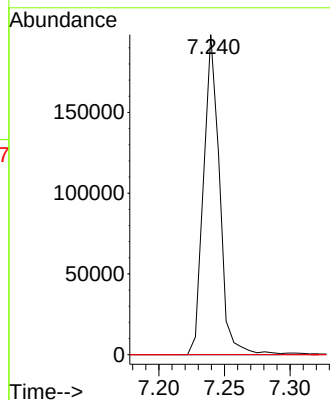
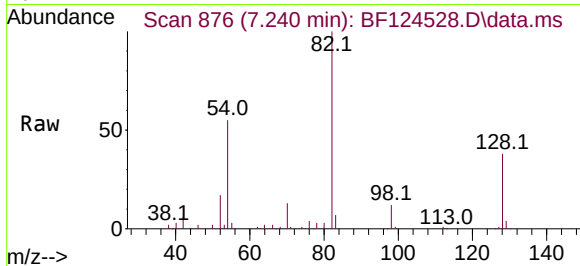




#25
Isophorone
Concen: 31.55 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.265 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

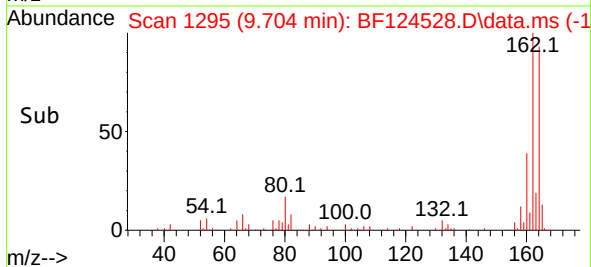
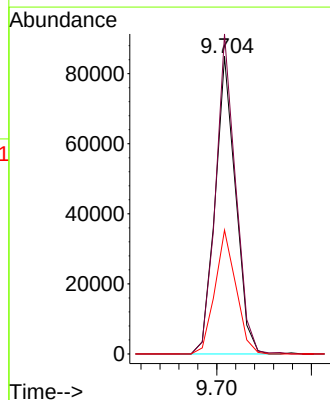
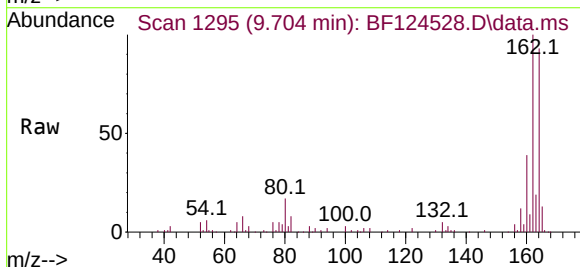
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ClientSampleId :
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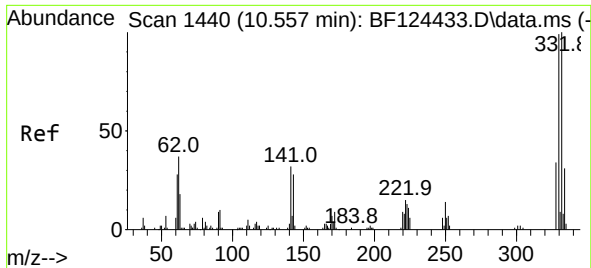
Tgt Ion: 82 Resp: 168915
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:164 Resp: 63634
Ion Ratio Lower Upper
164 100
162 107.6 80.7 121.1
160 41.6 37.3 55.9

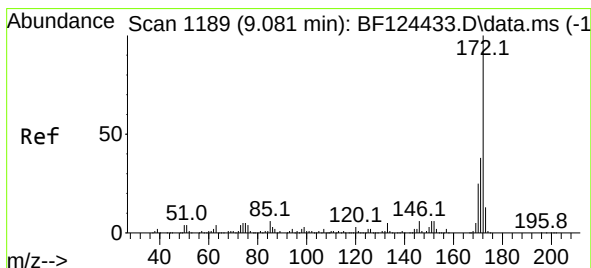
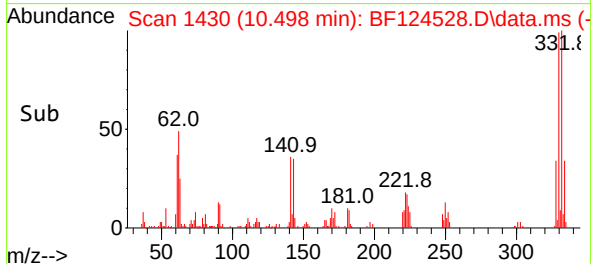
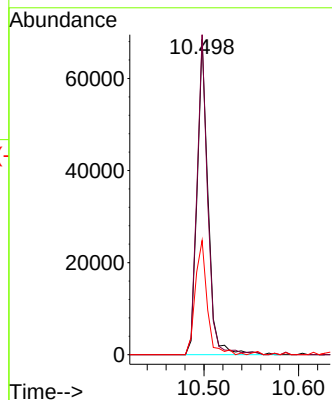
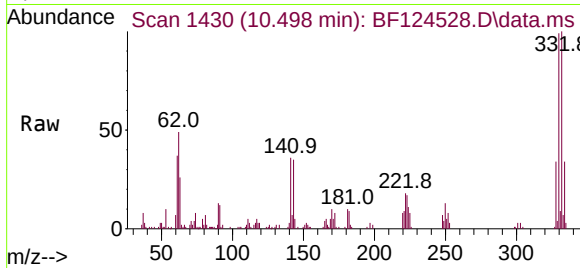




#42
2,4,6-Tribromophenol
Concen: 72.51 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

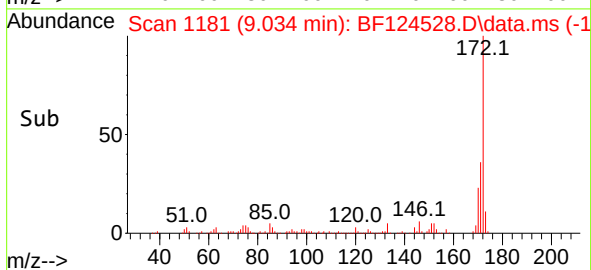
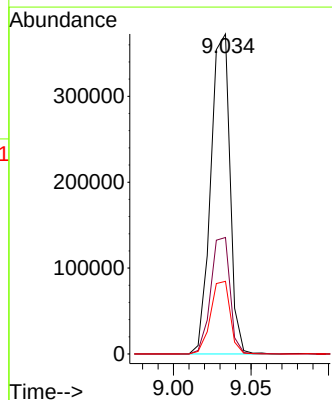
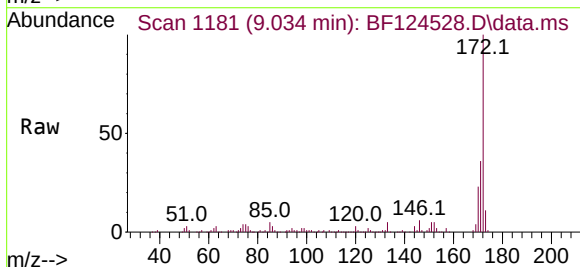
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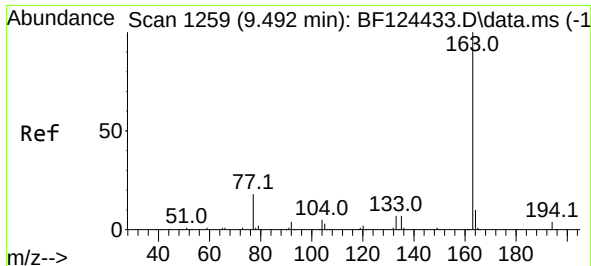
Tgt Ion: 330 Resp: 55127
Ion Ratio Lower Upper
330 100
332 99.3 77.1 115.7
141 39.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 61.87 ng
RT: 9.034 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion: 172 Resp: 321406
Ion Ratio Lower Upper
172 100
171 36.4 28.1 42.1
170 22.7 19.2 28.8

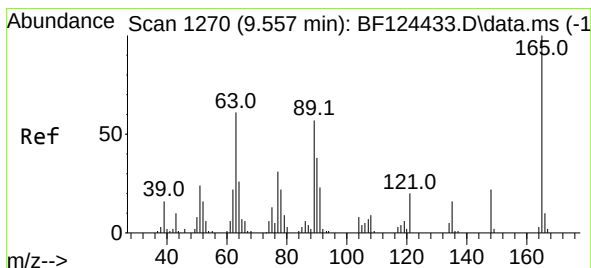
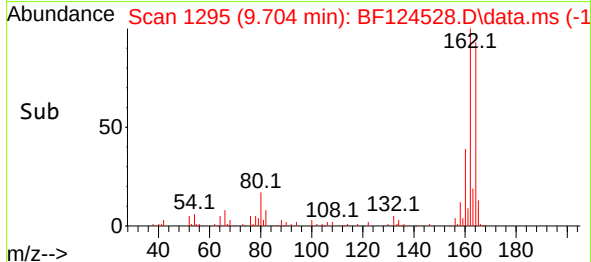
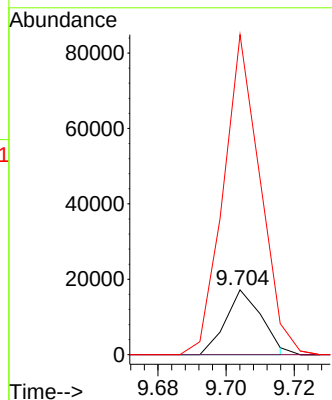
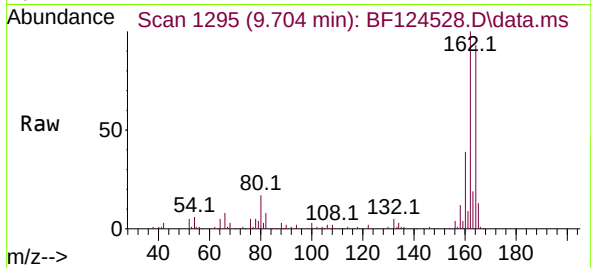




#50
Dimethylphthalate
Concen: 2.53 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.259 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

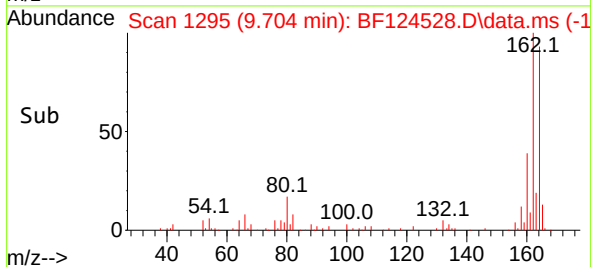
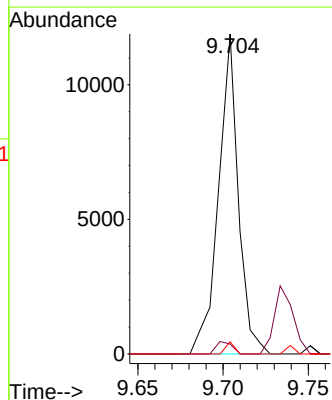
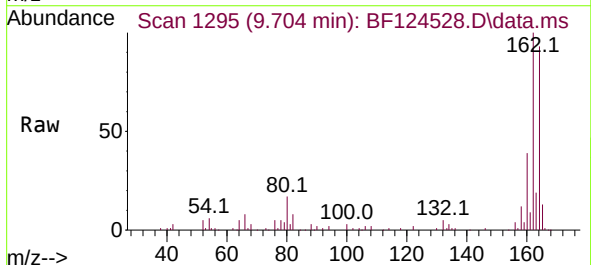
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ClientSampled :
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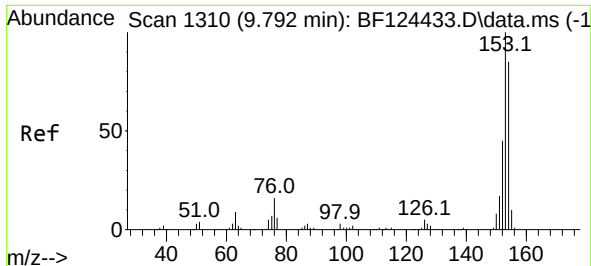
Tgt Ion:163 Resp: 12680
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 493.9 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.29 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.194 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:165 Resp: 9608
Ion Ratio Lower Upper
165 100
63 3.1 67.7 101.5#
89 3.8 58.8 88.2#

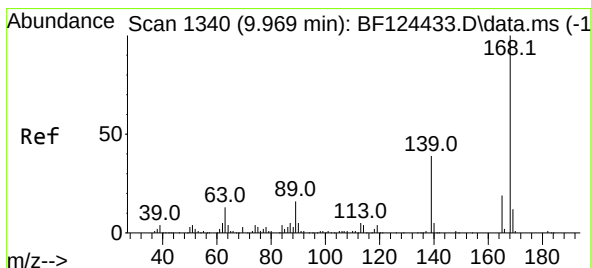
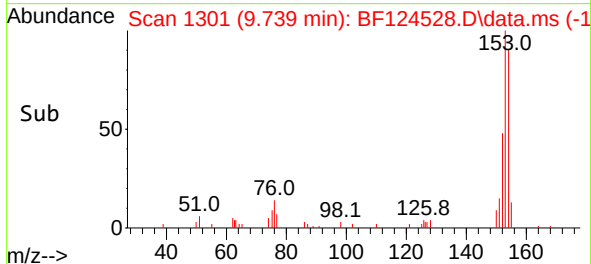
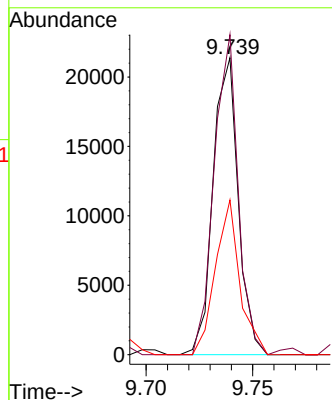
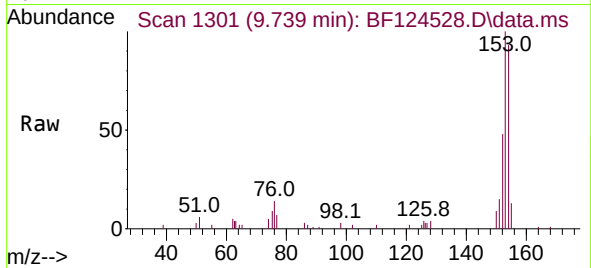




#52
Acenaphthene
Concen: 4.32 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

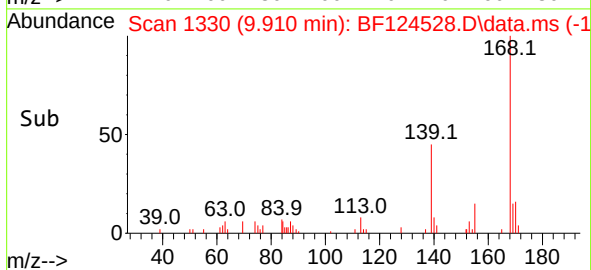
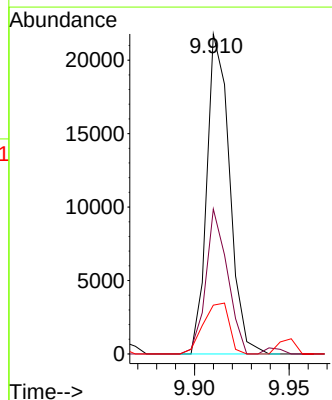
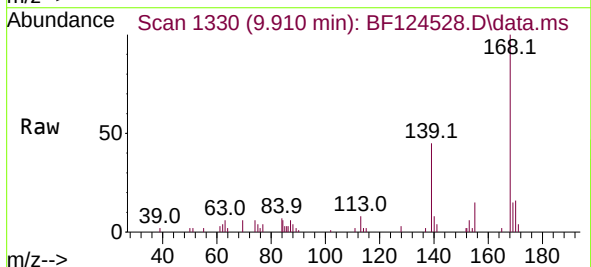
Instrument :
BNA_F
ClientSampleId :
D-2500

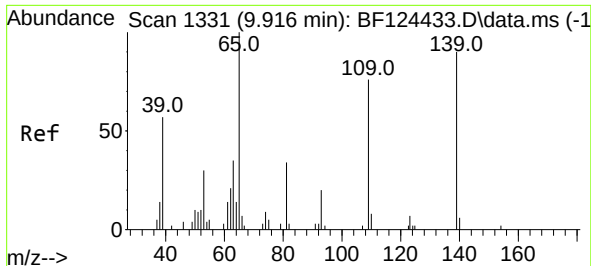
Tgt Ion:154	Resp:	17552
Ion Ratio	Lower	Upper
154	100	
153	107.8	88.1 132.1
152	52.1	43.4 65.0



#55
Dibenzofuran
Concen: 2.81 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:168	Resp:	18189
Ion Ratio	Lower	Upper
168	100	
139	45.3	33.2 49.8
169	15.2	10.8 16.2

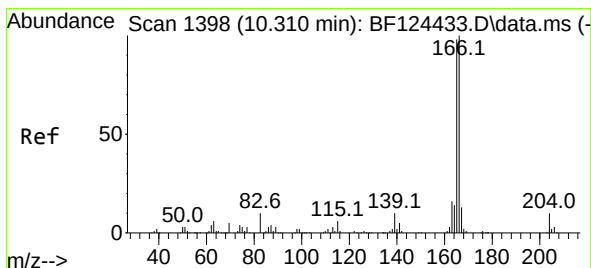
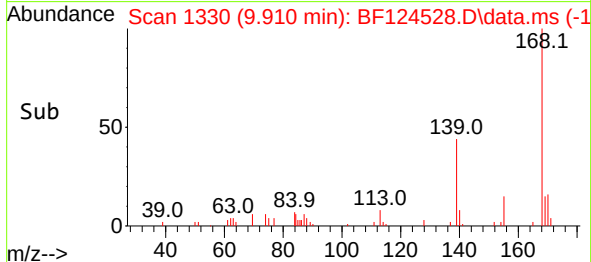
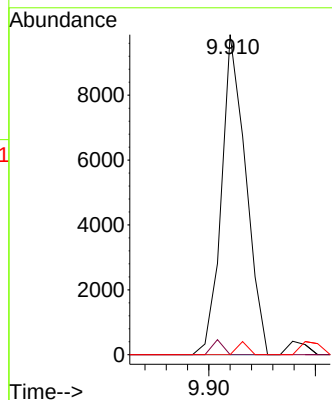
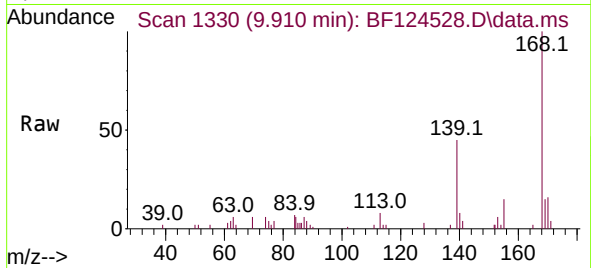




#56
4-Nitrophenol
Concen: 14.53 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.035 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

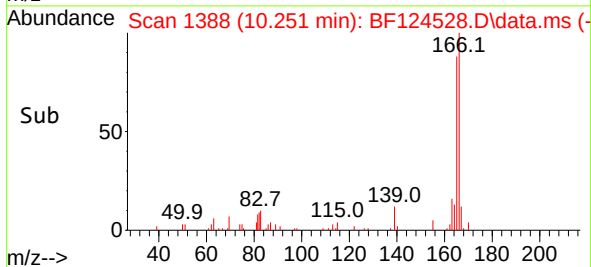
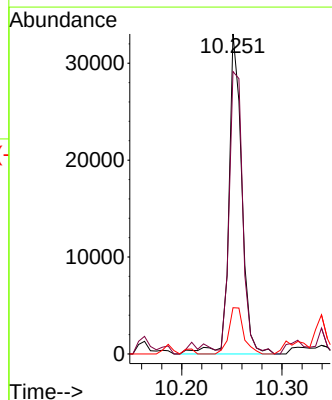
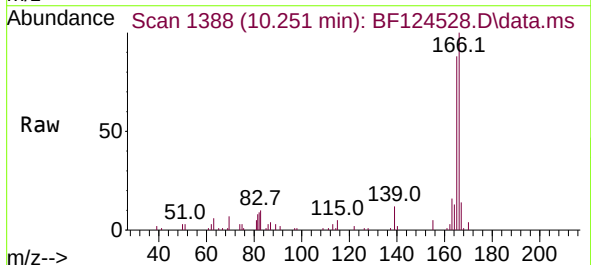
Instrument :
BNA_F
ClientSampled :
D-2500

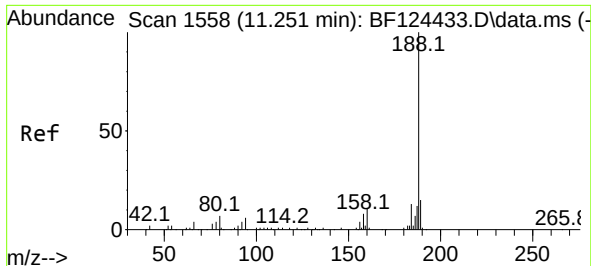
Tgt Ion:139 Resp: 7820
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#58
Fluorene
Concen: 5.90 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:166 Resp: 29362
Ion Ratio Lower Upper
166 100
165 88.2 73.5 110.3
167 14.4 10.7 16.1

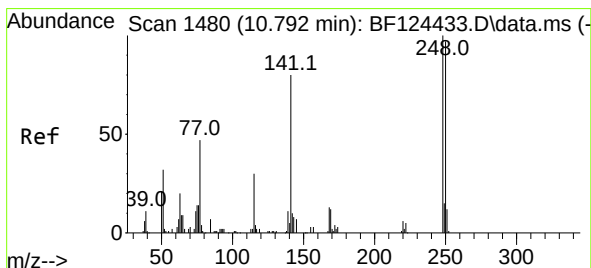
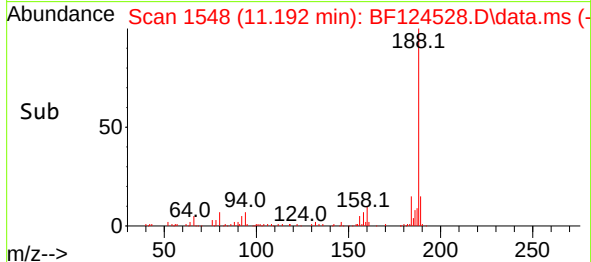
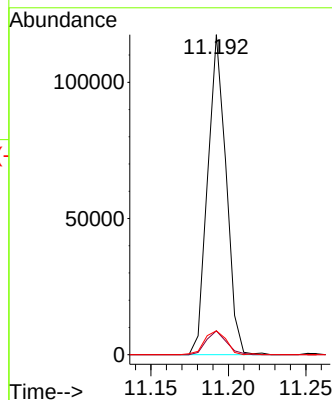
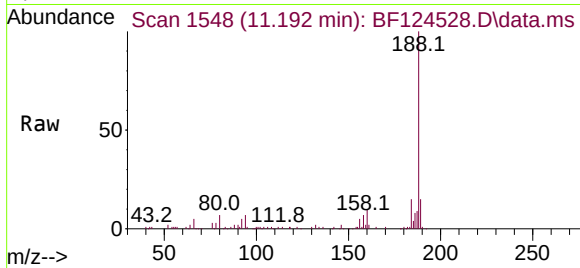




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

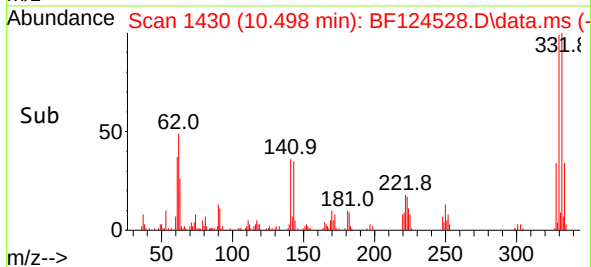
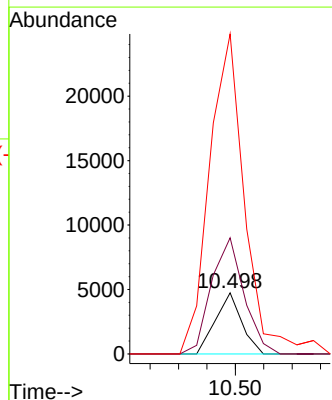
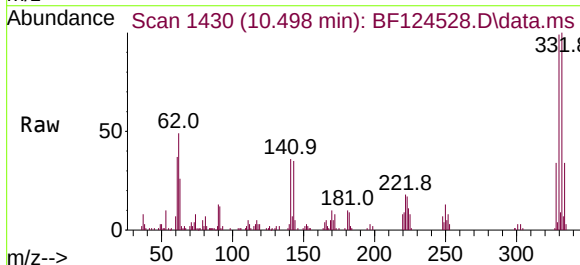
Instrument :
BNA_F
ClientSampleId :
D-2500

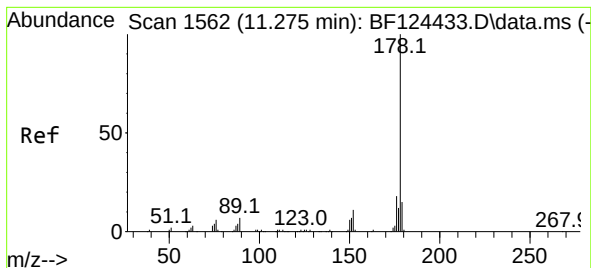
Tgt Ion:188 Resp: 97252
Ion Ratio Lower Upper
188 100
94 7.5 6.9 10.3
80 7.4 8.2 12.2#



#67
4-Bromophenyl-phenylether
Concen: 2.31 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.241 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:248 Resp: 3026
Ion Ratio Lower Upper
248 100
250 189.9 77.4 116.2#
141 523.5 63.7 95.5#

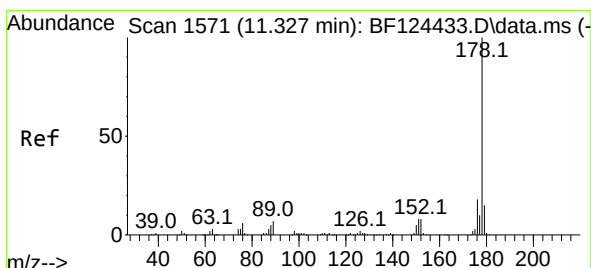
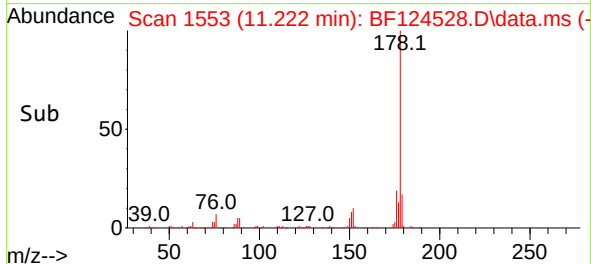
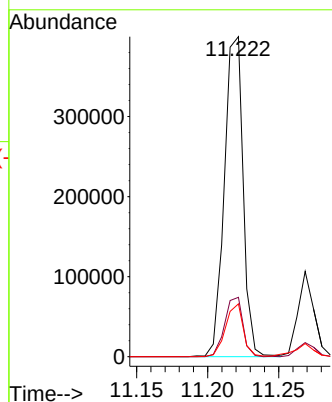
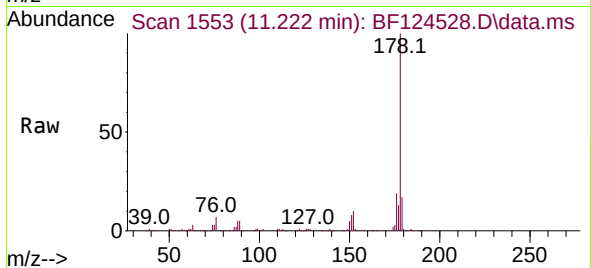




#71
Phenanthrene
Concen: 60.07 ng
RT: 11.222 min Scan# 1553
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

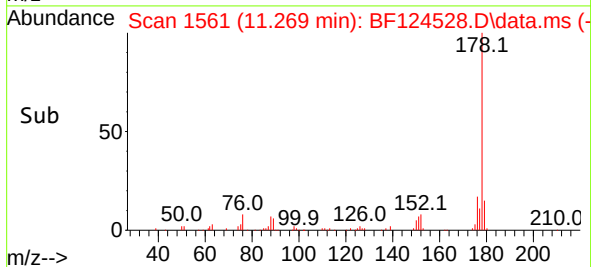
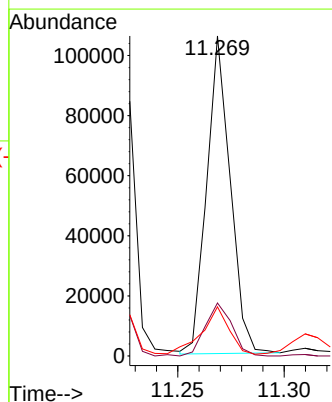
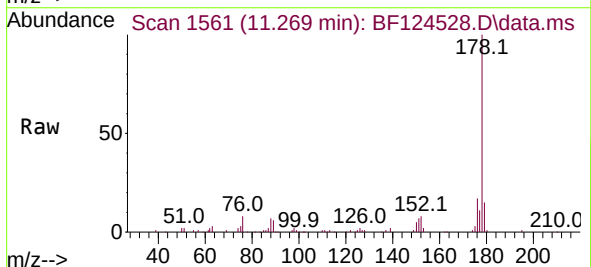
Instrument :
BNA_F
ClientSampled :
D-2500

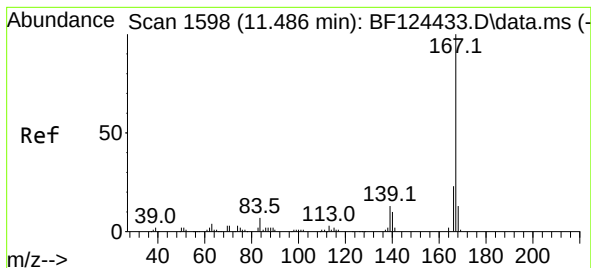
Tgt Ion:178 Resp: 368269
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 16.5 12.5 18.7



#72
Anthracene
Concen: 13.31 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:178 Resp: 81280
Ion Ratio Lower Upper
178 100
176 16.5 15.4 23.0
179 15.4 12.6 18.8





#73

Carbazole

Concen: 3.65 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF124528.D

Acq: 2 Jul 2021 20:35

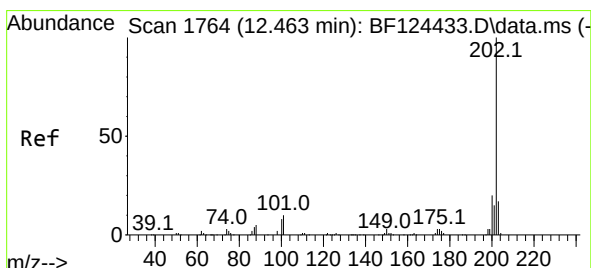
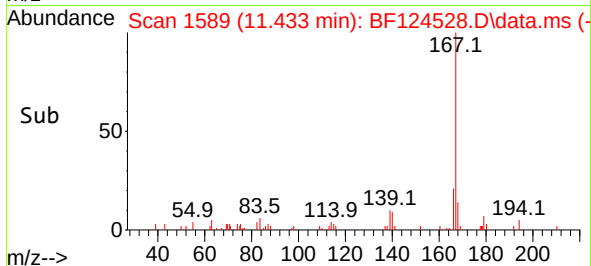
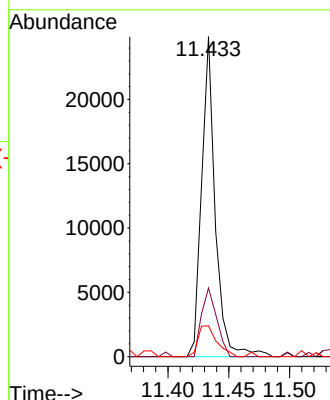
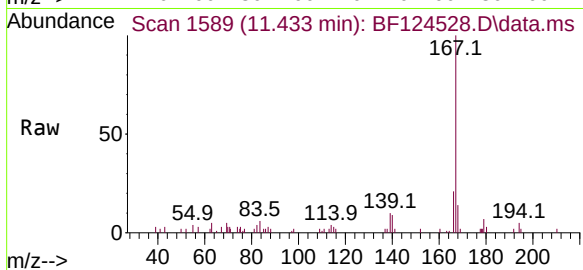
Tgt Ion:167 Resp: 19433

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

139 9.6 10.4 15.6#



#75

Fluoranthene

Concen: 66.55 ng

RT: 12.410 min Scan# 1755

Delta R.T. 0.000 min

Lab File: BF124528.D

Acq: 2 Jul 2021 20:35

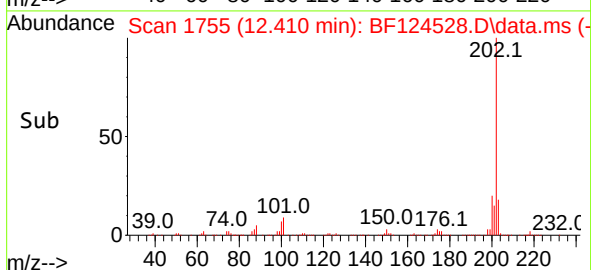
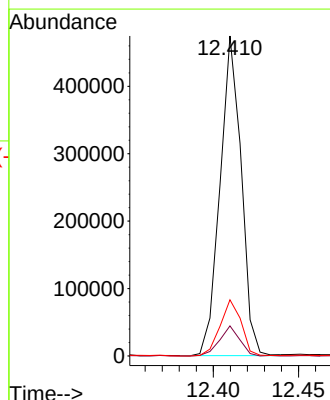
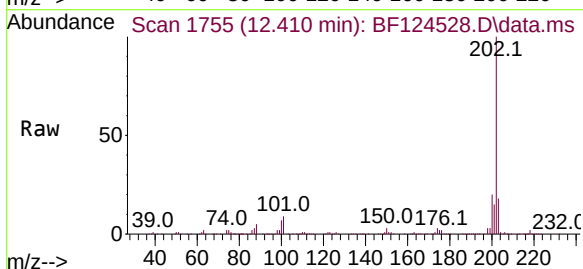
Tgt Ion:202 Resp: 410598

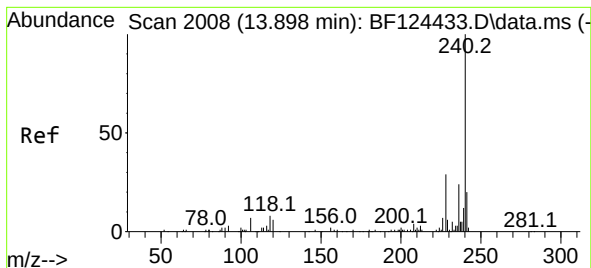
Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.9

203 17.5 0.0 37.5

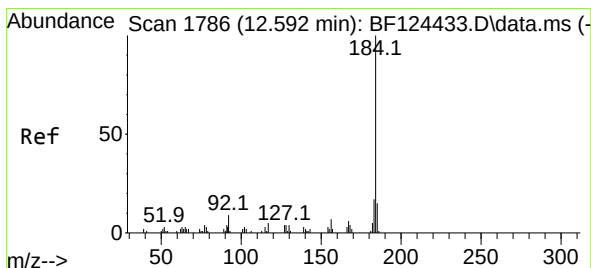
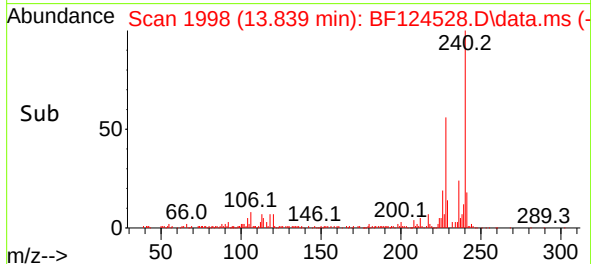
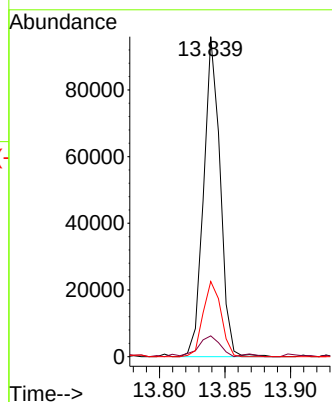
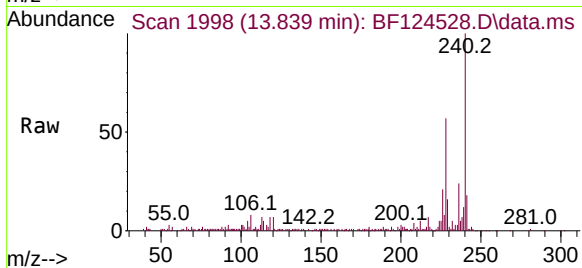




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.839 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

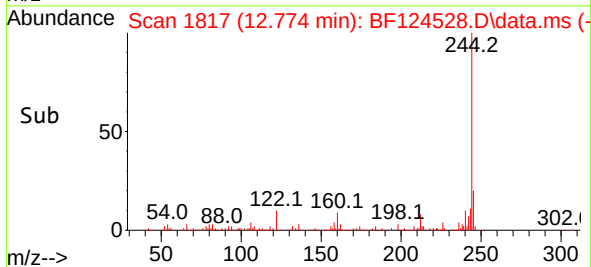
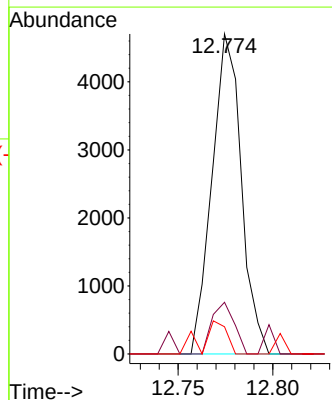
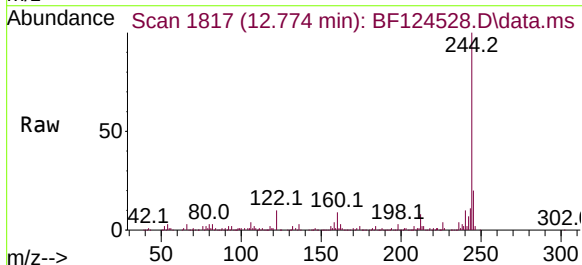
Instrument :
BNA_F
ClientSampleId :
D-2500

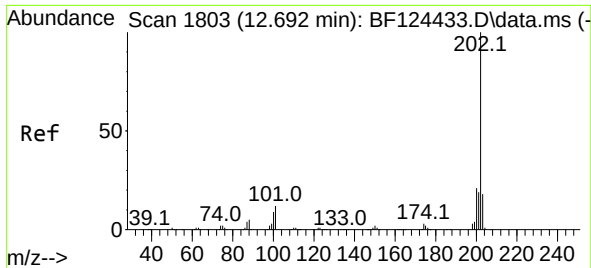
Tgt Ion:240 Resp: 84367
Ion Ratio Lower Upper
240 100
120 6.5 7.2 10.8#
236 23.5 19.0 28.4



#77
Benzidine
Concen: 2.99 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.241 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:184 Resp: 5053
Ion Ratio Lower Upper
184 100
185 16.2 12.1 18.1
183 8.5 7.8 11.8

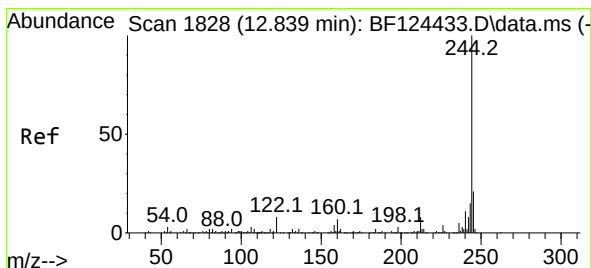
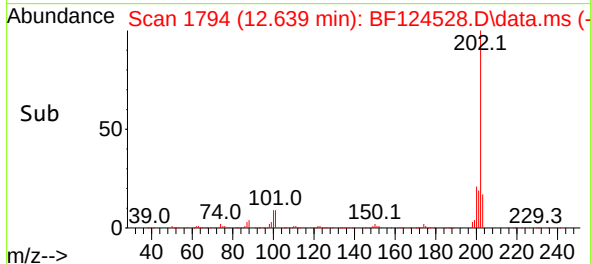
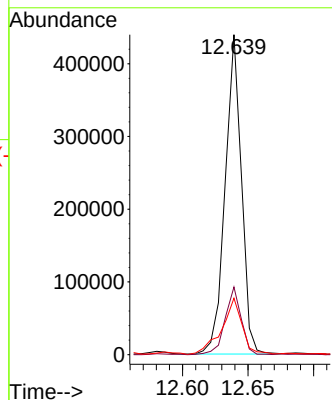
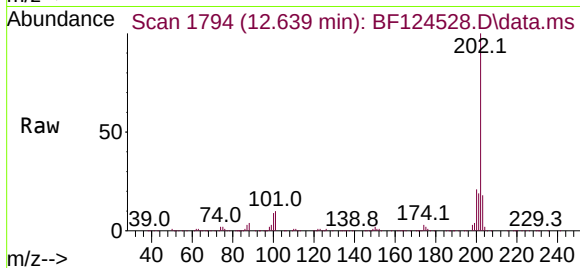




#78
Pyrene
Concen: 49.18 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

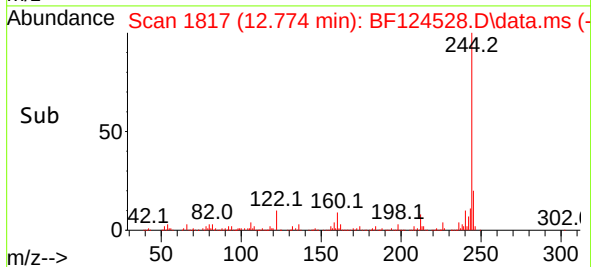
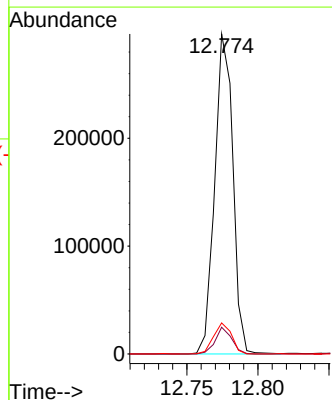
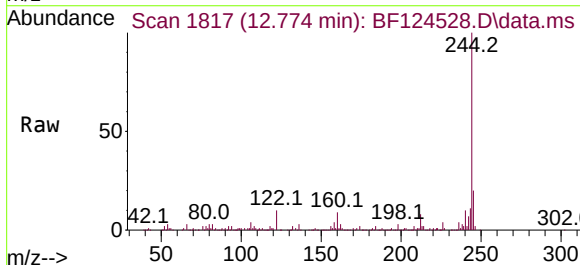
Instrument :
BNA_F
ClientSampleId :
D-2500

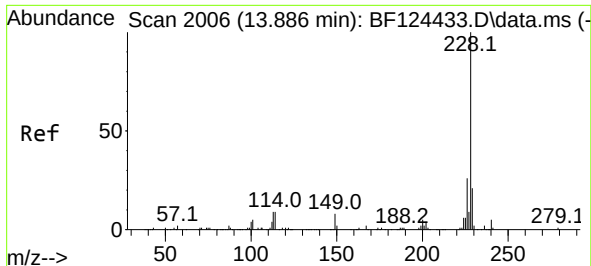
Tgt Ion:202 Resp: 378704
Ion Ratio Lower Upper
202 100
200 21.2 16.1 24.1
203 17.7 14.8 22.2



#79
Terphenyl-d14
Concen: 46.88 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:244 Resp: 264084
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 9.7 9.7 14.5

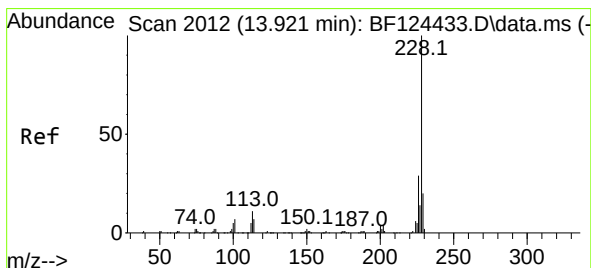
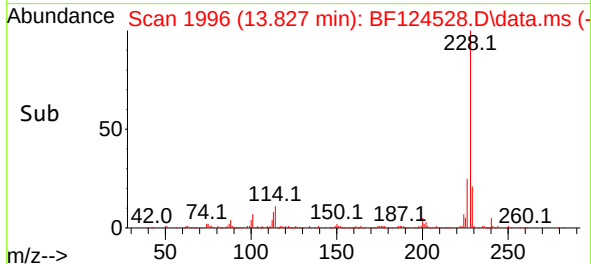
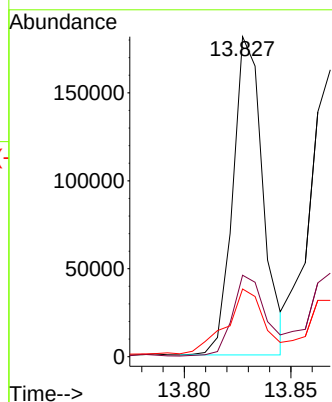
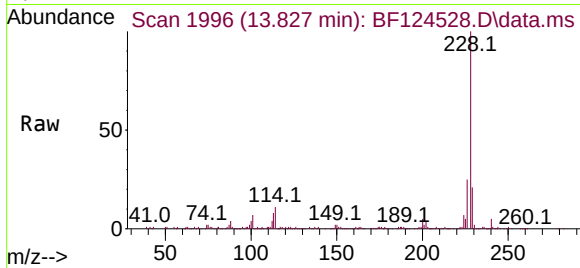




#81
Benzo(a)anthracene
Concen: 29.24 ng
RT: 13.827 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

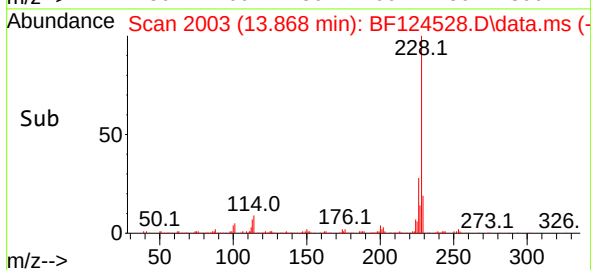
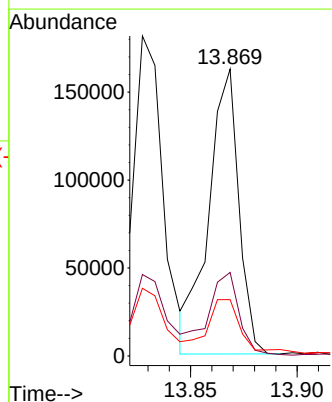
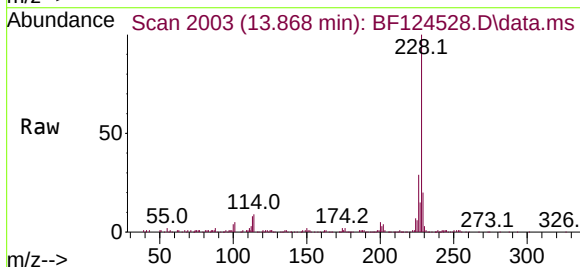
Instrument :
BNA_F
ClientSampled :
D-2500

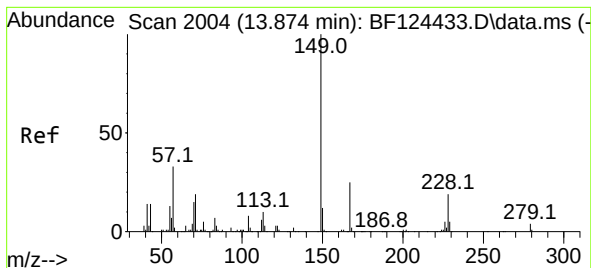
Tgt Ion:228 Resp: 177884
Ion Ratio Lower Upper
228 100
226 25.5 22.4 33.6
229 21.1 16.0 24.0



#83
Chrysene
Concen: 26.46 ng
RT: 13.868 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:228 Resp: 159482
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 19.6 16.2 24.2

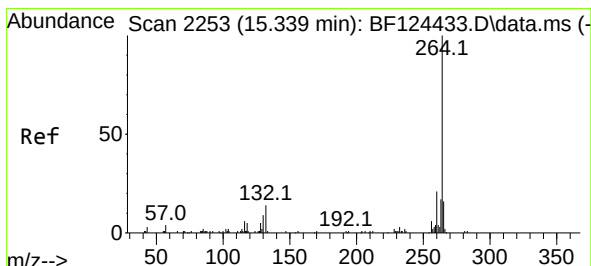
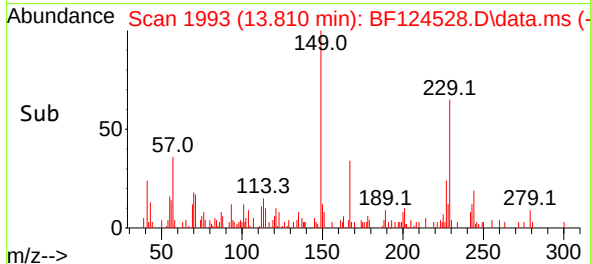
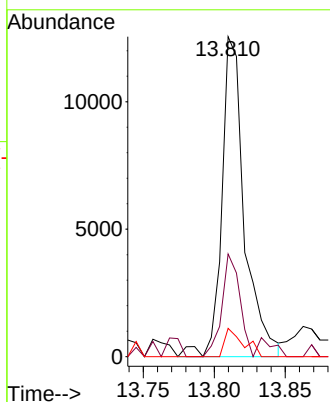
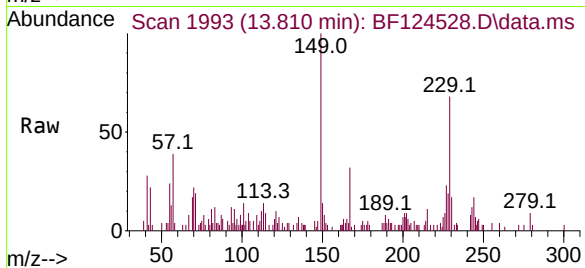




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.38 ng
RT: 13.810 min Scan# 1993
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

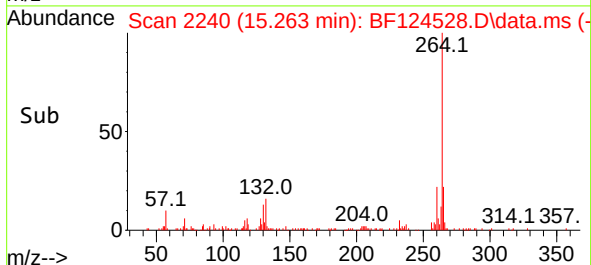
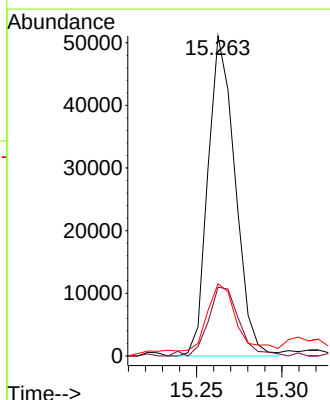
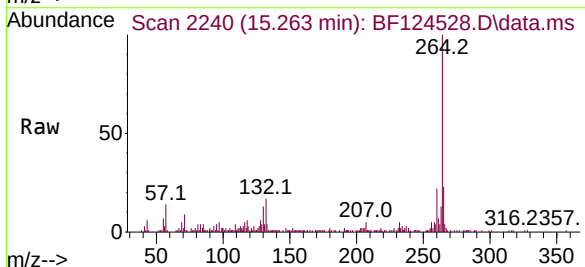
Instrument :
BNA_F
ClientSampleId :
D-2500

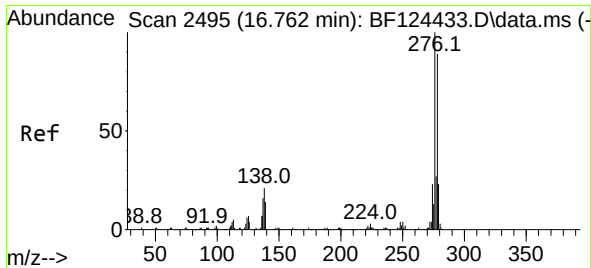
Tgt Ion:149 Resp: 13860
Ion Ratio Lower Upper
149 100
167 32.1 21.8 32.6
279 8.9 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.263 min Scan# 2240
Delta R.T. 0.000 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:264 Resp: 56775
Ion Ratio Lower Upper
264 100
260 21.5 18.7 28.1
265 22.6 17.8 26.8

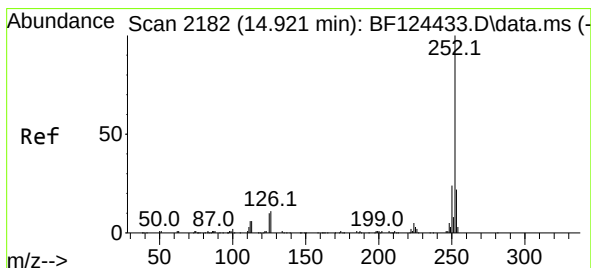
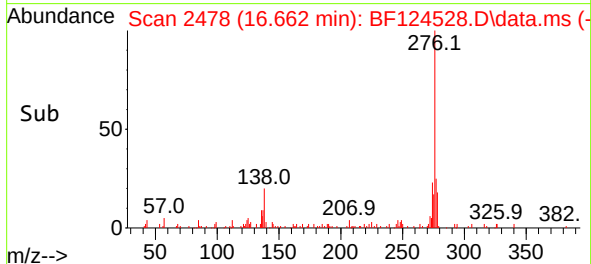
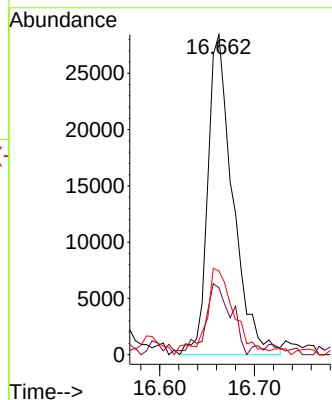
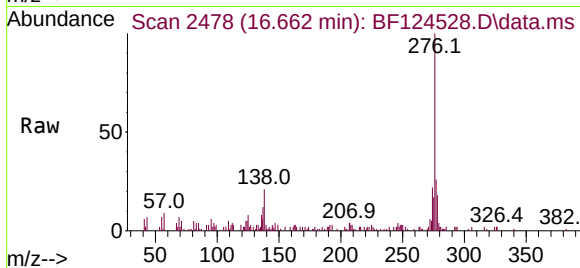




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.68 ng
RT: 16.662 min Scan# 2478
Delta R.T. 0.012 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

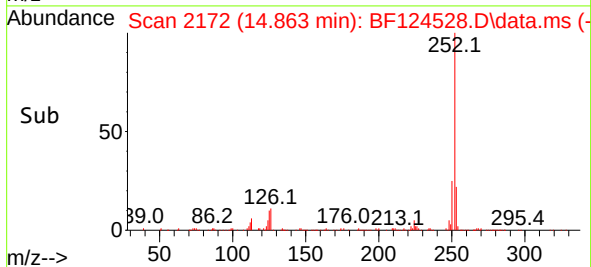
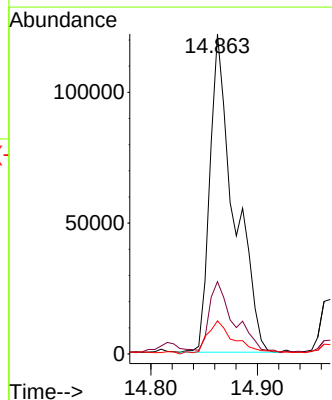
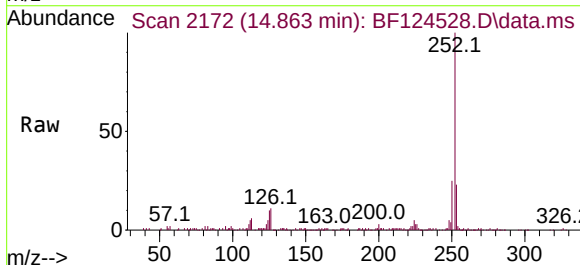
Instrument :
BNA_F
ClientSampleId :
D-2500

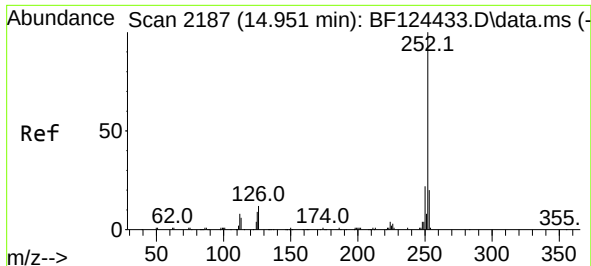
Tgt Ion:276 Resp: 52286
Ion Ratio Lower Upper
276 100
138 22.6 16.2 24.2
277 29.7 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 44.63 ng
RT: 14.863 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:252 Resp: 192018
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 10.4 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 48.78 ng

RT: 14.863 min Scan# 2172

Delta R.T. -0.023 min

Lab File: BF124528.D

Acq: 2 Jul 2021 20:35

Instrument :

BNA_F

ClientSampleId :

D-2500

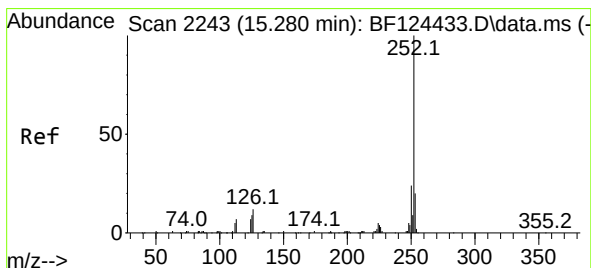
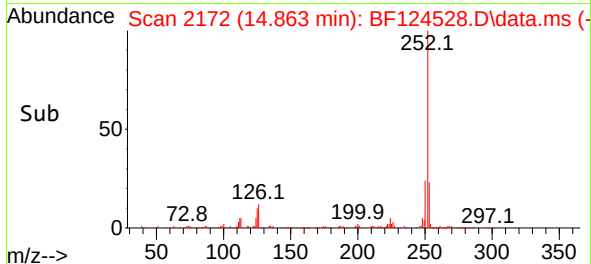
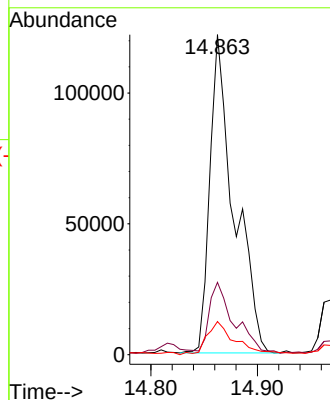
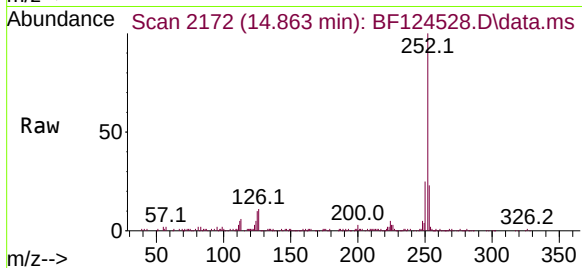
Tgt Ion:252 Resp: 192018

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 10.4 7.0 10.6



#90

Benzo(a)pyrene

Concen: 27.18 ng

RT: 15.210 min Scan# 2231

Delta R.T. 0.006 min

Lab File: BF124528.D

Acq: 2 Jul 2021 20:35

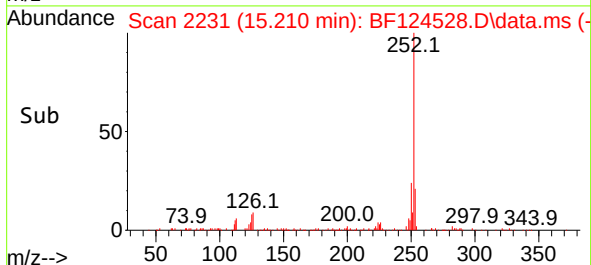
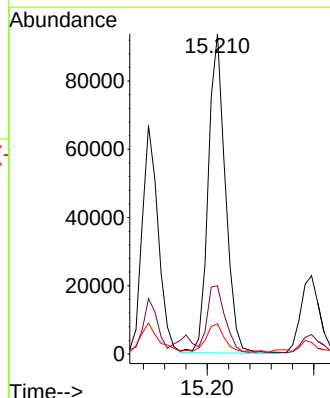
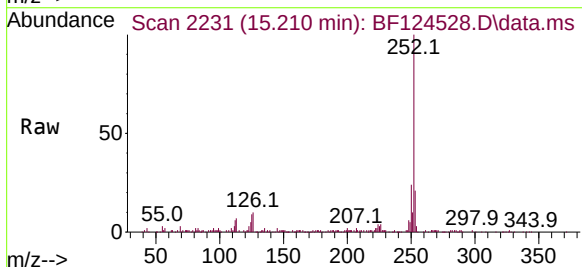
Tgt Ion:252 Resp: 103926

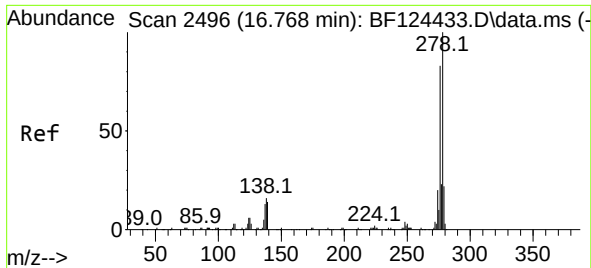
Ion Ratio Lower Upper

252 100

253 21.3 18.4 27.6

125 9.4 8.0 12.0

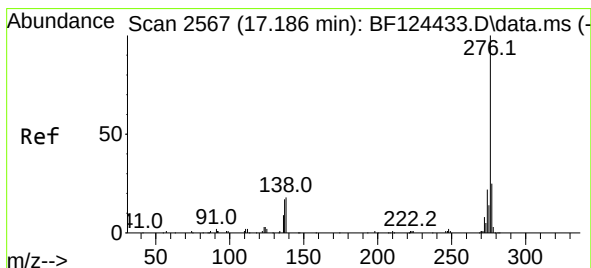
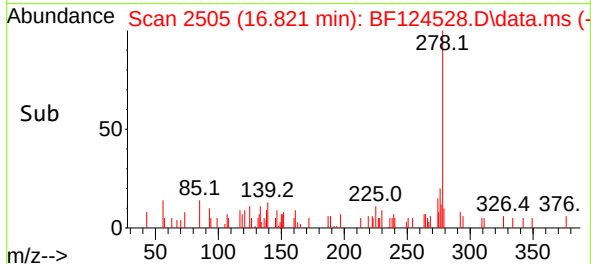
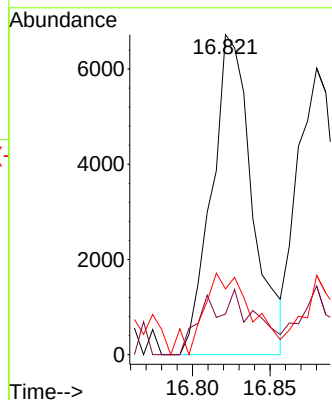
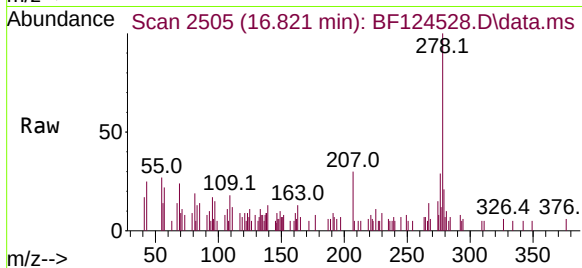




#91
Dibenzo(a,h)anthracene
Concen: 3.17 ng
RT: 16.821 min Scan# 2505
Delta R.T. 0.171 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Instrument :
BNA_F
ClientSampleId :
D-2500

Tgt Ion:	278	Resp:	12209
Ion Ratio	Lower	Upper	
278	100		
139	12.7	10.2	15.2
279	20.6	19.4	29.0



#92
Benzo(g,h,i)perylene
Concen: 13.67 ng
RT: 17.080 min Scan# 2549
Delta R.T. 0.012 min
Lab File: BF124528.D
Acq: 2 Jul 2021 20:35

Tgt Ion:	276	Resp:	51885
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.2	27.2
138	23.4	13.8	20.6#

