

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124530.D
 Acq On : 2 Jul 2021 21:42
 Operator : JU/CG
 Sample : M2913-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-D19

Quant Time: Jul 03 01:46:04 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)

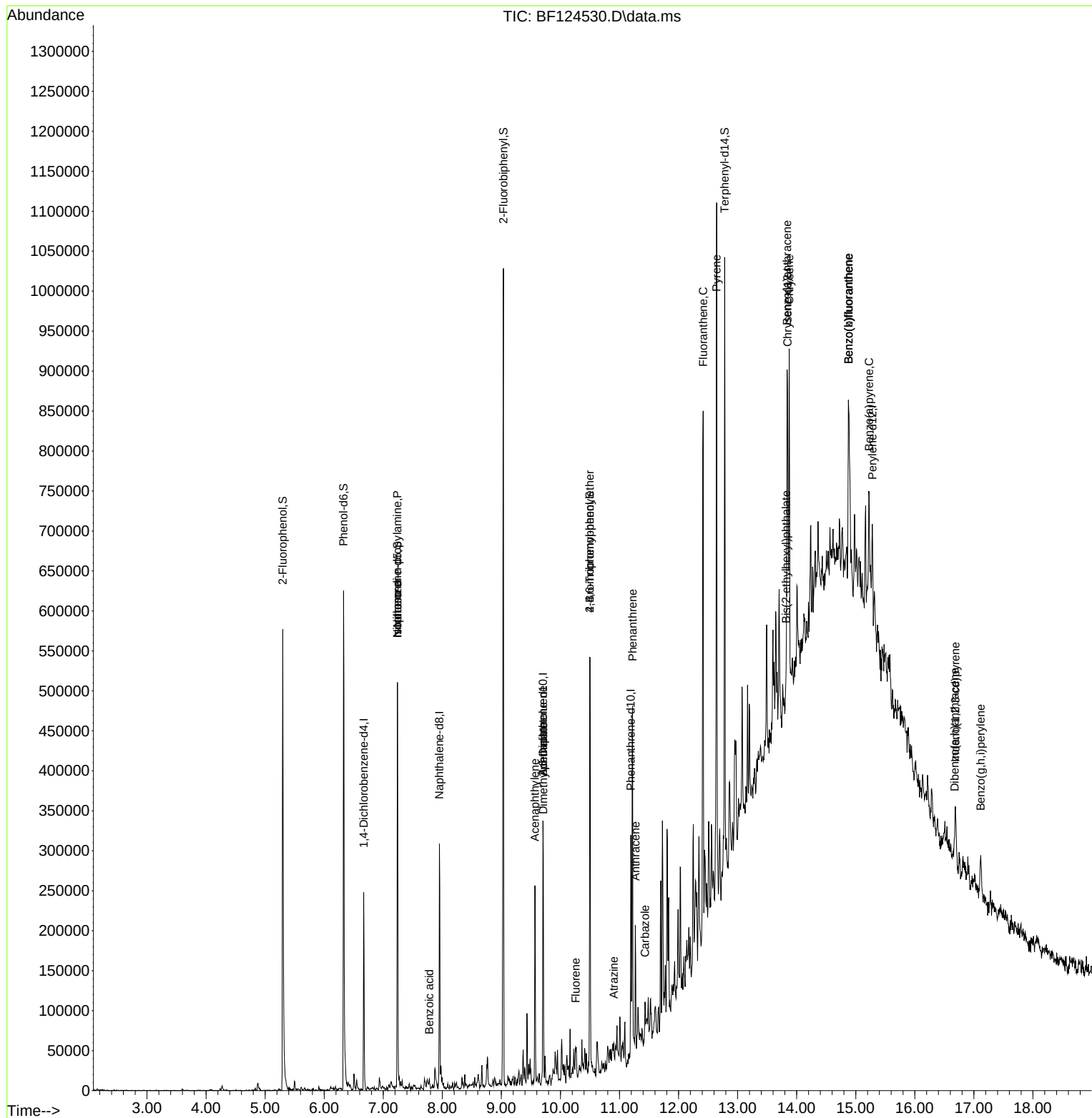
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	31651	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	115743	20.00	ng	0.00
39) Acenaphthene-d10	9.704	164	60632	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	95209	20.00	ng	# 0.00
76) Chrysene-d12	13.845	240	71636	20.00	ng	0.00
86) Perylene-d12	15.280	264	50834	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	158339	78.68	ng	0.00
7) Phenol-d6	6.328	99	193968	73.81	ng	0.00
23) Nitrobenzene-d5	7.240	82	150229	53.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	49169	67.88	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	274784	55.52	ng	0.00
79) Terphenyl-d14	12.780	244	217776	45.53	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.240	70	22032	12.47	ng	# 62
25) Isophorone	7.240	82	150229	31.30	ng	# 69
32) Benzoic acid	7.781	122	1247	8.19	ng	# 57
49) Acenaphthylene	9.569	152	85476	14.03	ng	98
50) Dimethylphthalate	9.710	163	11668	2.44	ng	# 1
51) 2,6-Dinitrotoluene	9.704	165	9011	8.16	ng	# 12
58) Fluorene	10.257	166	12543	2.65	ng	# 84
67) 4-Bromophenyl-phenylether	10.498	248	3812	2.98	ng	# 1
69) Atrazine	10.904	200	2260	2.40	ng	88
71) Phenanthrene	11.222	178	163335	27.21	ng	99
72) Anthracene	11.269	178	57385	9.60	ng	96
73) Carbazole	11.433	167	15365	2.95	ng	96
75) Fluoranthene	12.416	202	256390	42.45	ng	95
78) Pyrene	12.645	202	339238	51.88	ng	98
81) Benzo(a)anthracene	13.839	228	124218	24.05	ng	94
83) Chrysene	13.874	228	153909	30.07	ng	98
84) Bis(2-ethylhexyl)phtha...	13.821	149	15716	4.52	ng	# 90
87) Indeno(1,2,3-cd)pyrene	16.686	276	35732	8.91	ng	# 78
88) Benzo(b)fluoranthene	14.880	252	143240	37.18	ng	# 88
89) Benzo(k)fluoranthene	14.880	252	143240	40.64	ng	# 88
90) Benzo(a)pyrene	15.227	252	66845	19.53	ng	# 95
91) Dibenzo(a,h)anthracene	16.674	278	13054	3.78	ng	# 53
92) Benzo(g,h,i)perylene	17.115	276	33923	9.98	ng	# 93

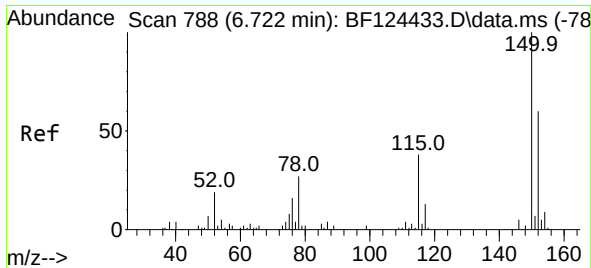
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

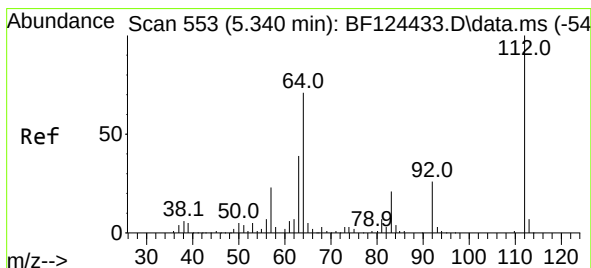
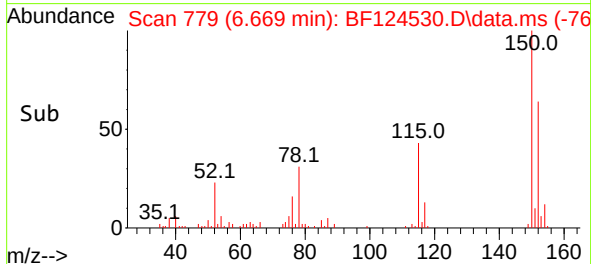
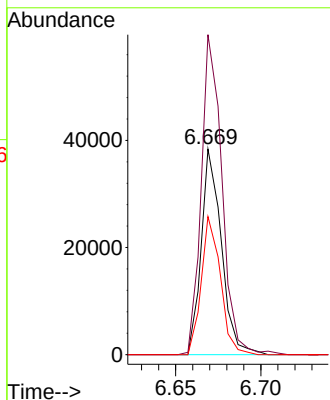
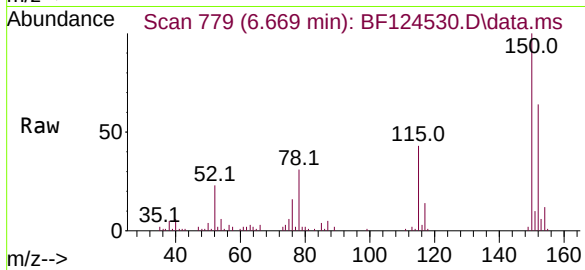




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.669 min Scan# 779
 Delta R.T. -0.006 min
 Lab File: BF124530.D
 Acq: 2 Jul 2021 21:42

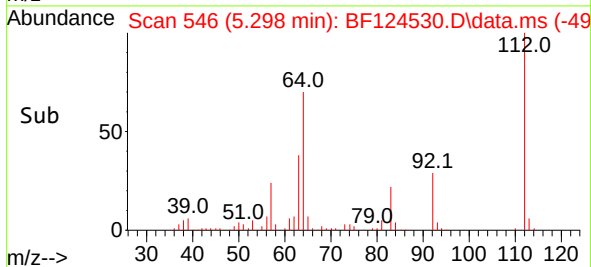
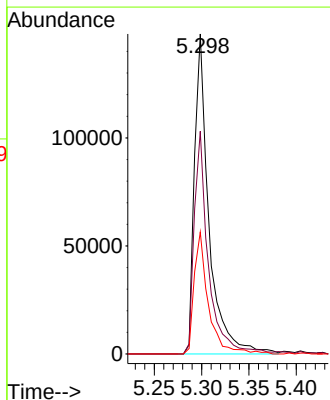
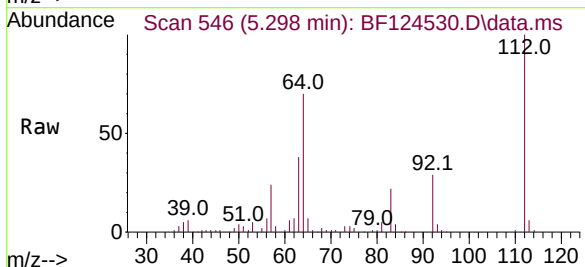
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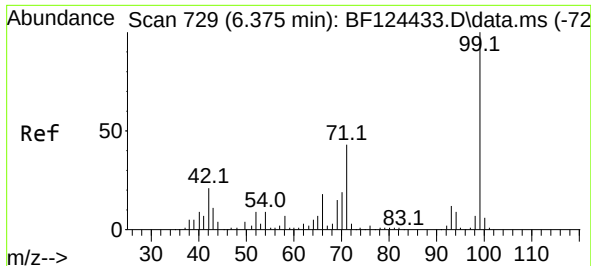
Tgt Ion:152 Resp: 31651
 Ion Ratio Lower Upper
 152 100
 150 155.7 127.0 190.6
 115 67.2 54.3 81.5



#5
 2-Fluorophenol
 Concen: 78.68 ng
 RT: 5.298 min Scan# 546
 Delta R.T. 0.006 min
 Lab File: BF124530.D
 Acq: 2 Jul 2021 21:42

Tgt Ion:112 Resp: 158339
 Ion Ratio Lower Upper
 112 100
 64 69.6 61.4 92.0
 63 38.1 33.0 49.4

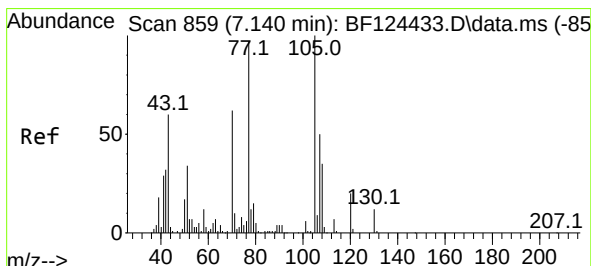
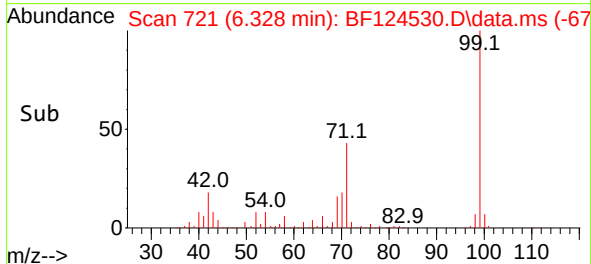
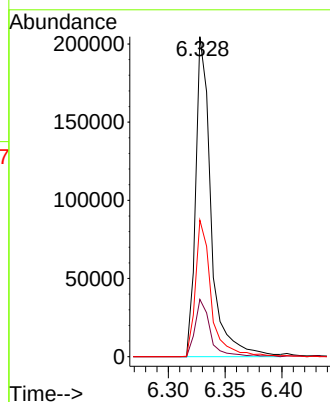
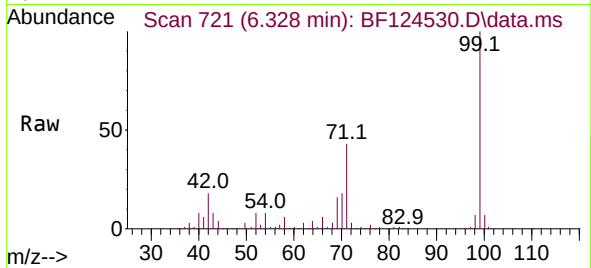




#7
Phenol-d6
Concen: 73.81 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

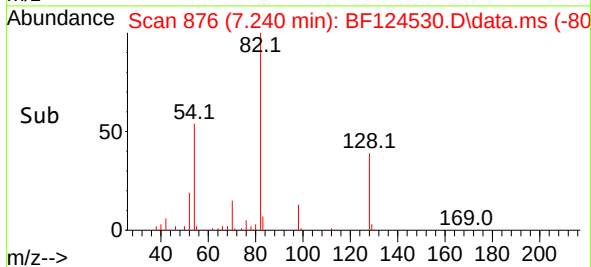
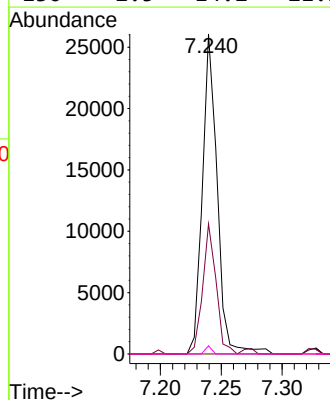
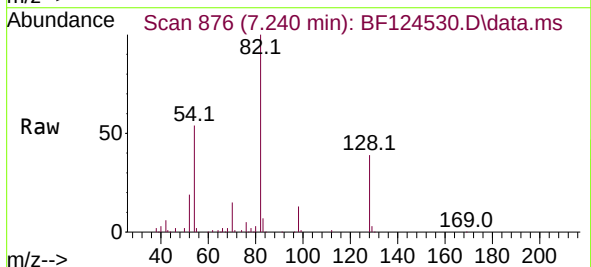
Instrument :
BNA_F
ClientSampleId :
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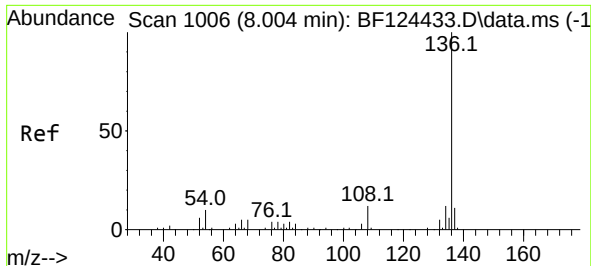
Tgt Ion: 99 Resp: 193968
Ion Ratio Lower Upper
99 100
42 17.9 19.8 29.8#
71 42.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.47 ng
RT: 7.240 min Scan# 876
Delta R.T. 0.141 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion: 70 Resp: 22032
Ion Ratio Lower Upper
70 100
42 40.6 60.1 90.1#
101 0.0 7.4 11.2#
130 2.5 14.2 21.2#

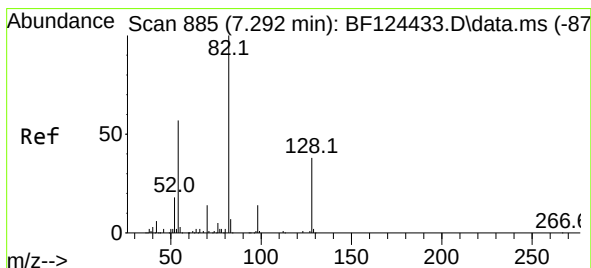
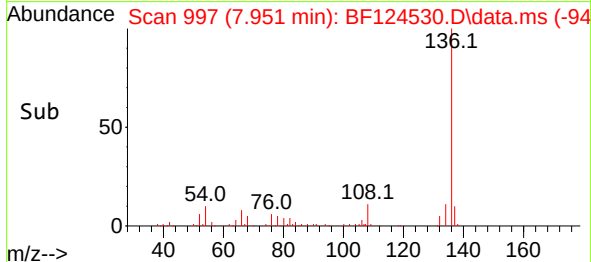
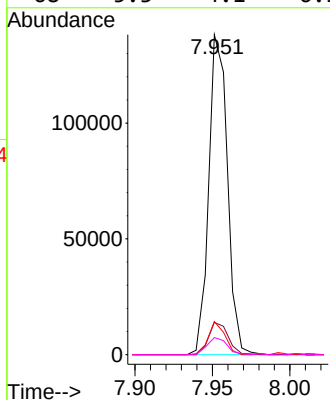
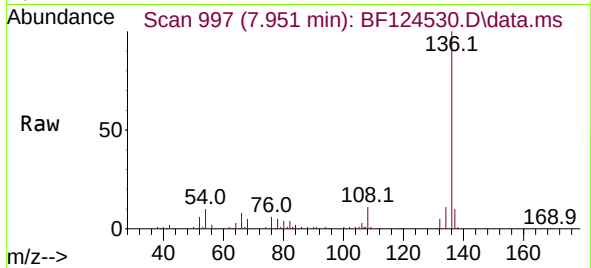




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

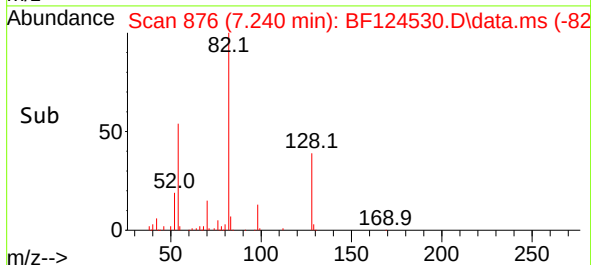
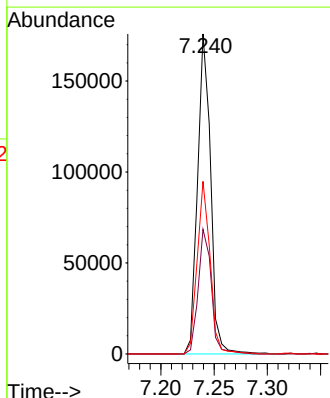
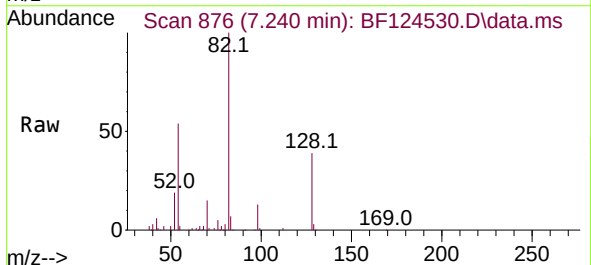
Instrument :
BNA_F
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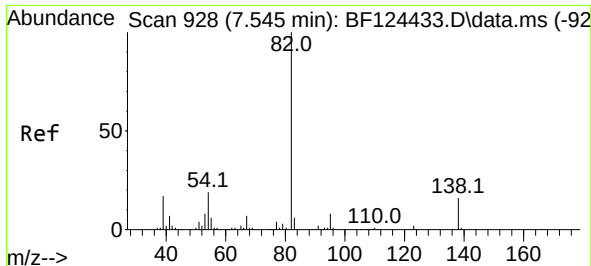
Tgt Ion:136	Resp: 115743
Ion Ratio	Lower Upper
136 100	
137 10.1	8.7 13.1
54 10.3	9.8 14.6
68 5.3	4.1 6.1



#23
Nitrobenzene-d5
Concen: 53.82 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion: 82	Resp: 150229
Ion Ratio	Lower Upper
82 100	
128 39.0	29.4 44.2
54 54.0	54.1 81.1#

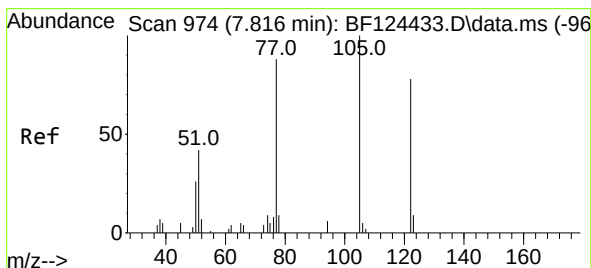
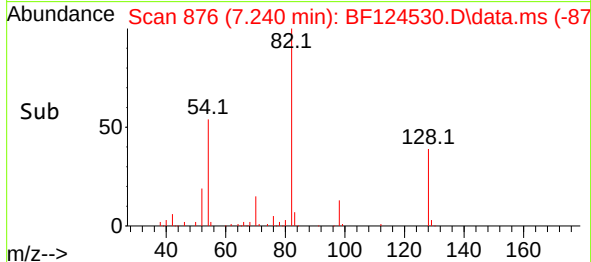
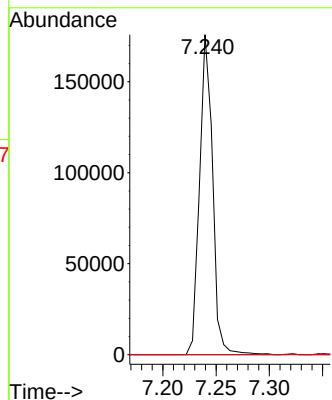
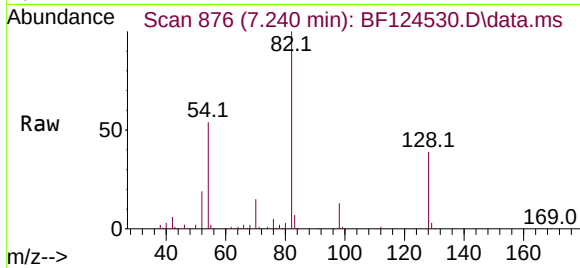




#25
Isophorone
Concen: 31.30 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.265 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

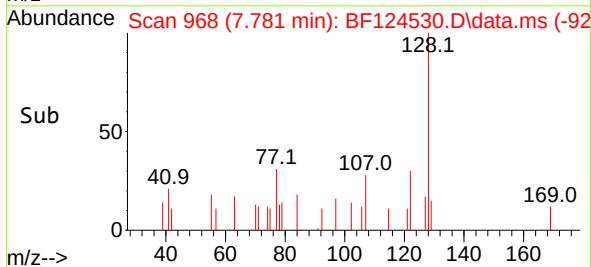
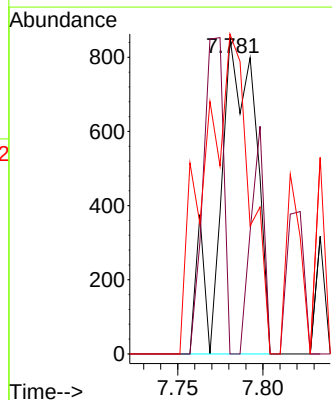
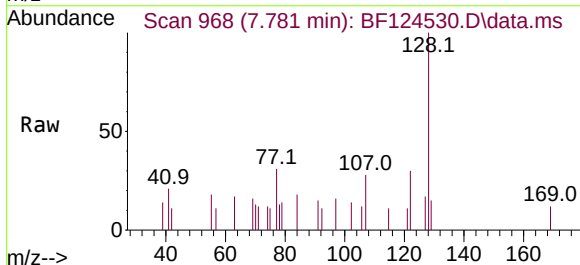
Instrument :
BNA_F
ClientSampleId :
P-D19

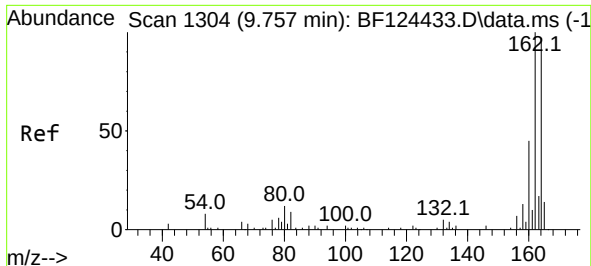
Tgt Ion: 82 Resp: 150229
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.19 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.023 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion: 122 Resp: 1247
Ion Ratio Lower Upper
122 100
105 38.9 107.8 147.8#
77 101.1 81.6 121.6

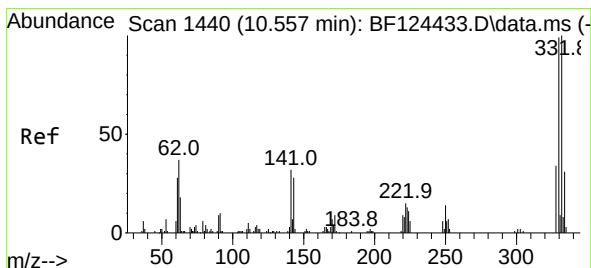
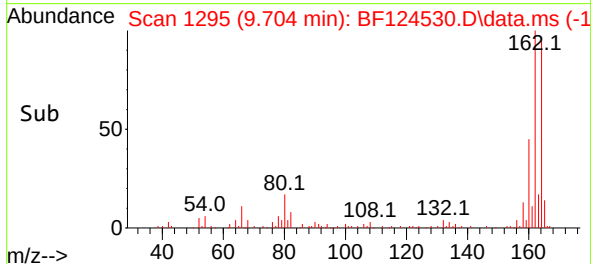
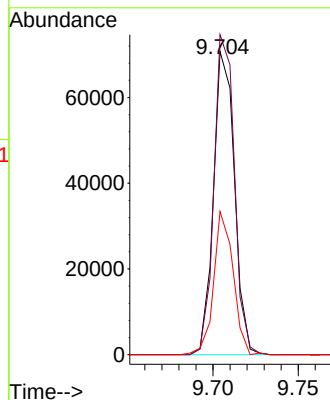
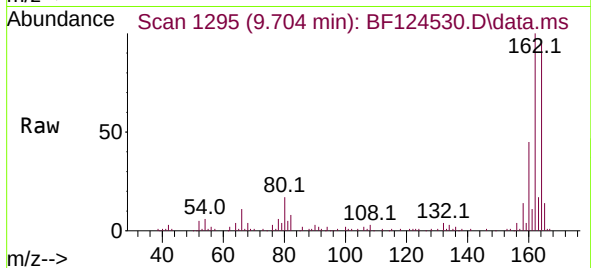




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

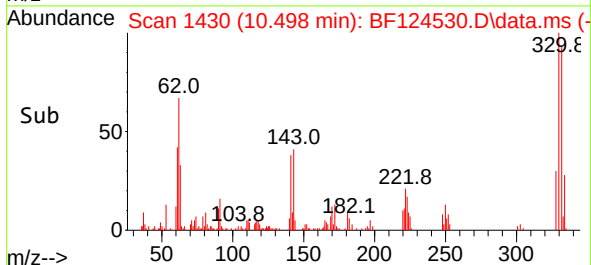
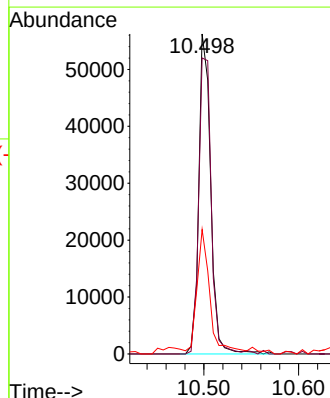
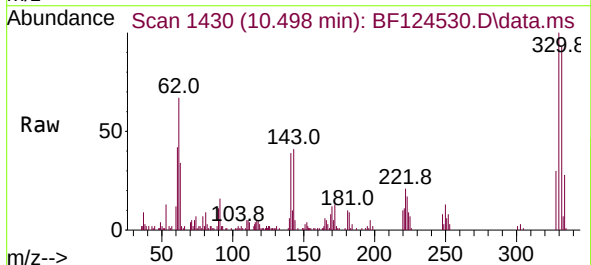
Instrument :
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ClientSampleId :
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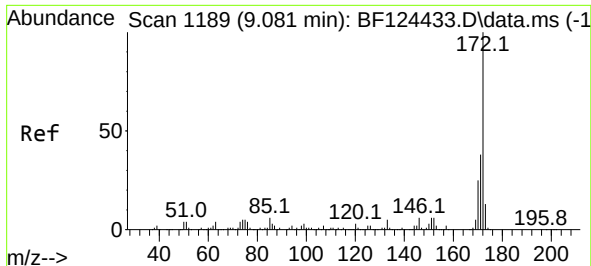
Tgt Ion:164 Resp: 60632
Ion Ratio Lower Upper
164 100
162 105.5 80.7 121.1
160 47.2 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 67.88 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:330 Resp: 49169
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 38.7 27.9 41.9

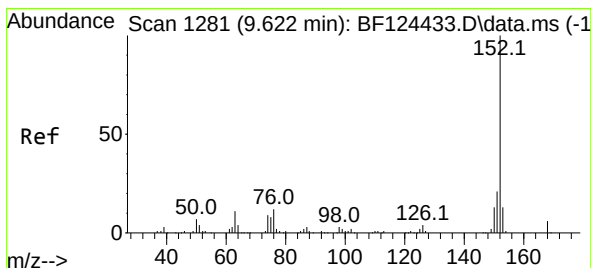
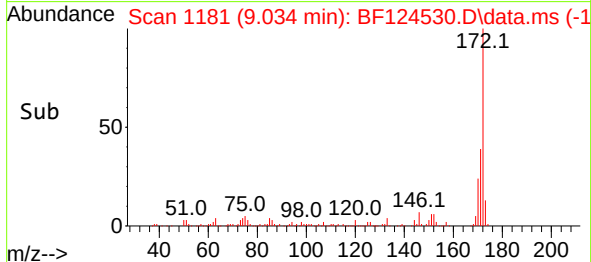
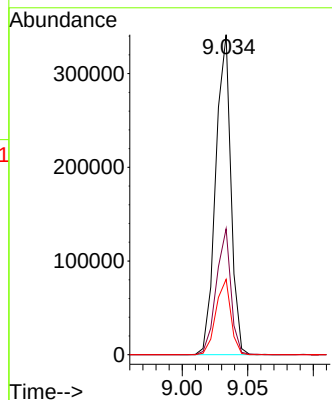
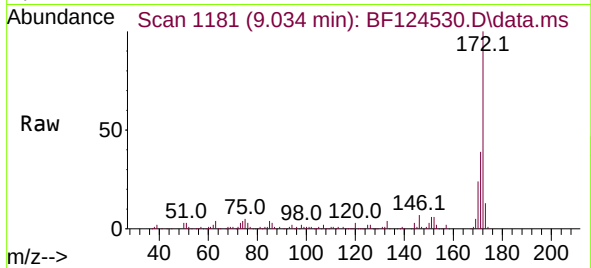




#45
2-Fluorobiphenyl
Concen: 55.52 ng
RT: 9.034 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

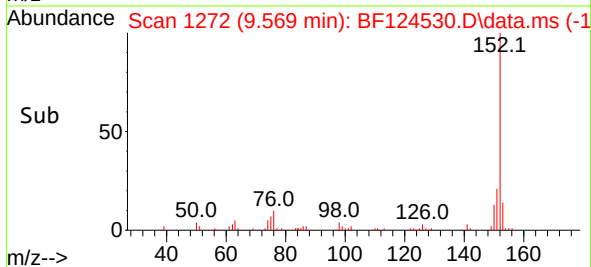
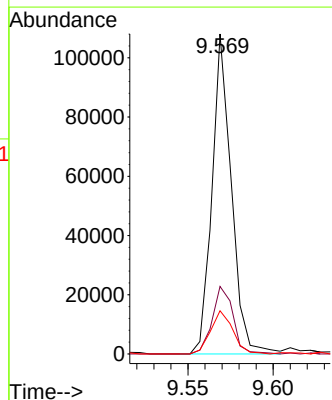
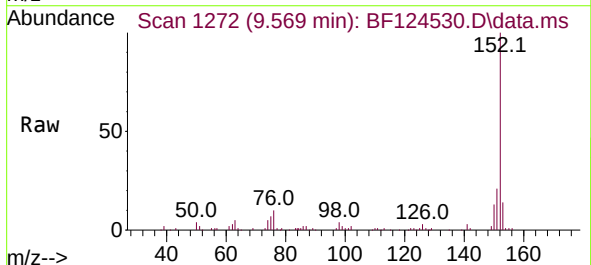
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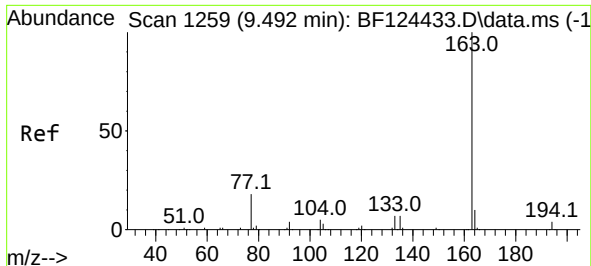
Tgt Ion:172 Resp: 274784
Ion Ratio Lower Upper
172 100
171 39.4 28.1 42.1
170 23.6 19.2 28.8



#49
Acenaphthylene
Concen: 14.03 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:152 Resp: 85476
Ion Ratio Lower Upper
152 100
151 21.1 16.0 24.0
153 13.5 10.4 15.6

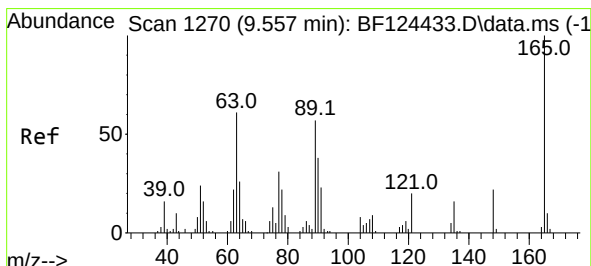
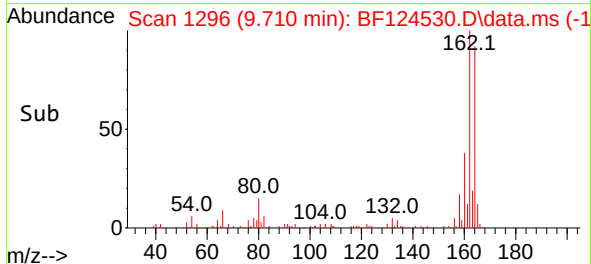
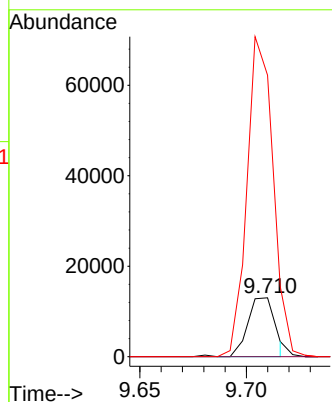
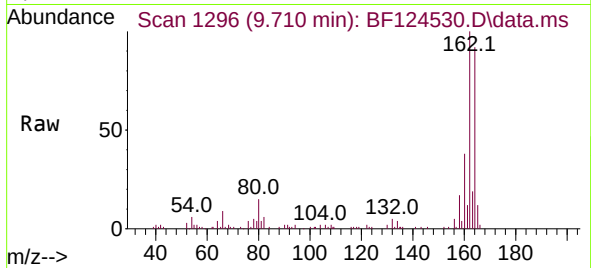




#50
Dimethylphthalate
Concen: 2.44 ng
RT: 9.710 min Scan# 1296
Delta R.T. 0.265 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

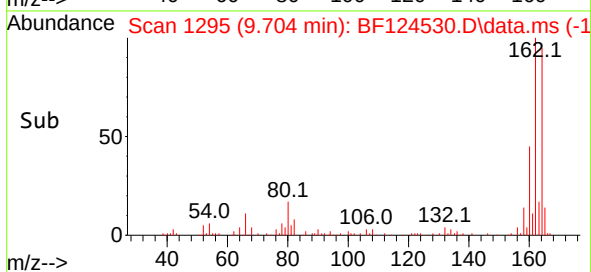
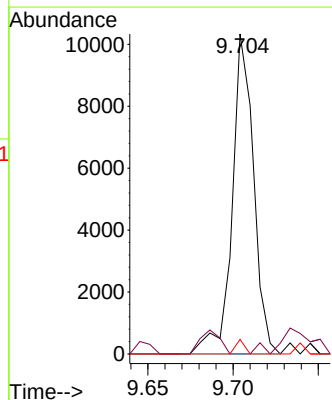
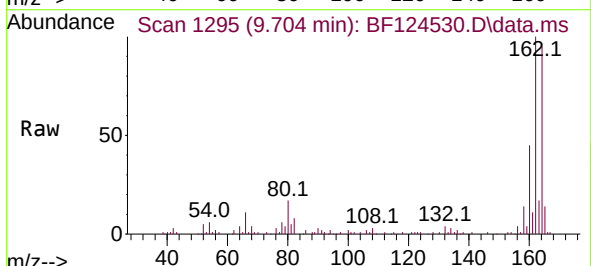
Instrument :
BNA_F
ClientSampleId :
P-D19

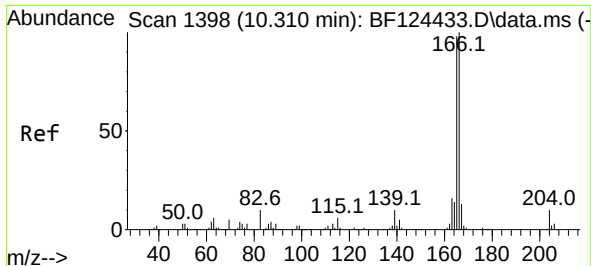
Tgt Ion:163 Resp: 11668
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 477.4 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.16 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.194 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:165 Resp: 9011
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 4.5 58.8 88.2#

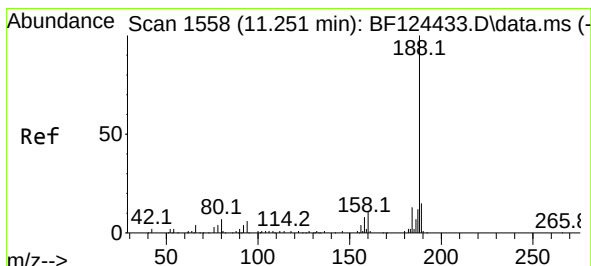
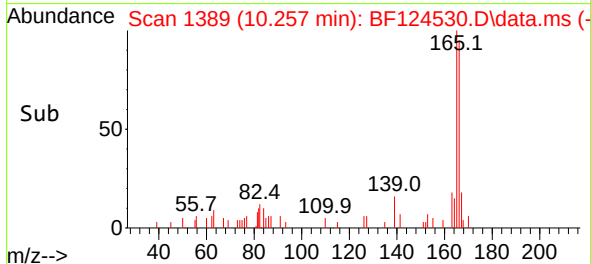
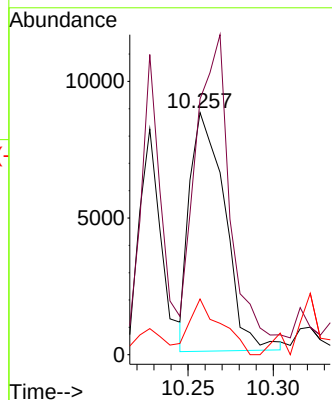
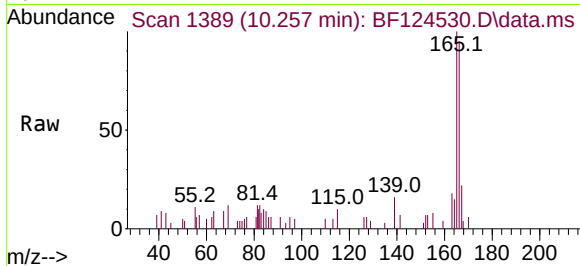




#58
Fluorene
Concen: 2.65 ng
RT: 10.257 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

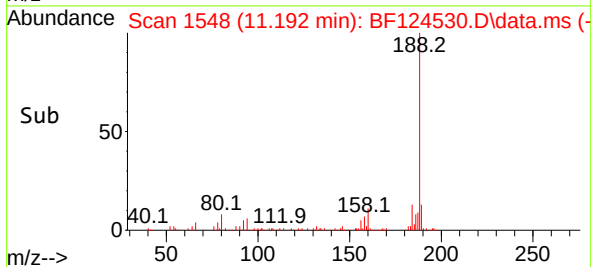
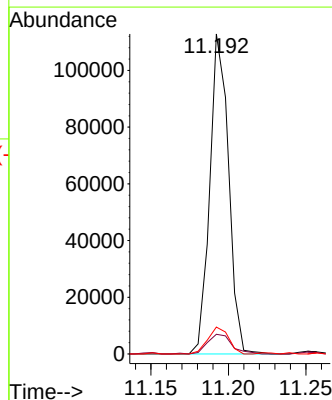
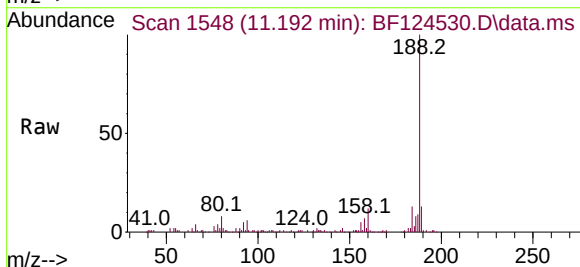
Instrument :
BNA_F
ClientSampleId :
P-D19

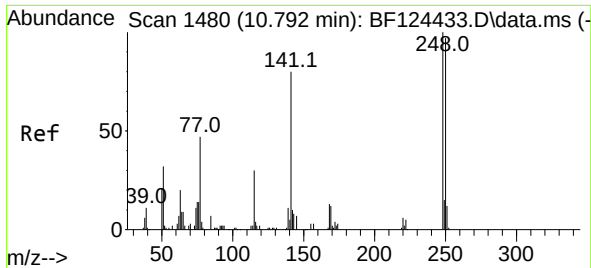
Tgt Ion:166 Resp: 12543
Ion Ratio Lower Upper
166 100
165 105.7 73.5 110.3
167 23.0 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:188 Resp: 95209
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 8.4 8.2 12.2

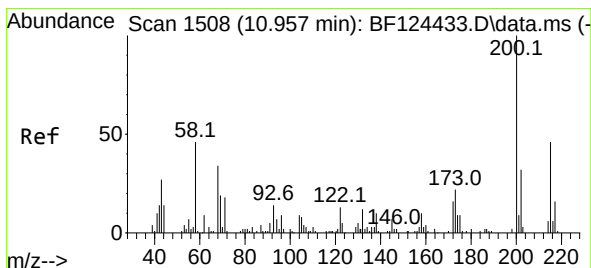
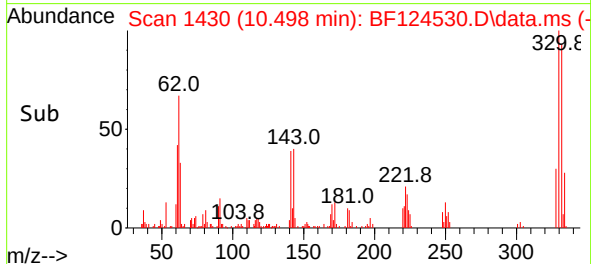
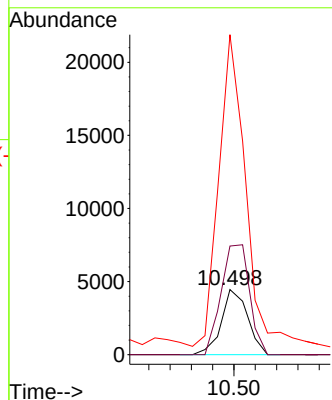
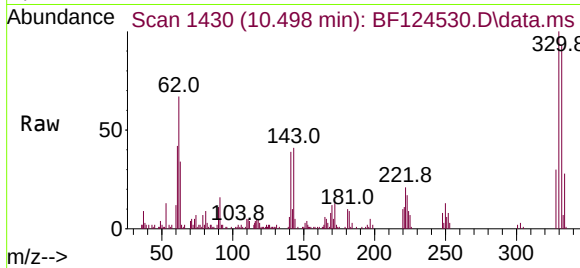




#67
4-Bromophenyl-phenylether
Concen: 2.98 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.241 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

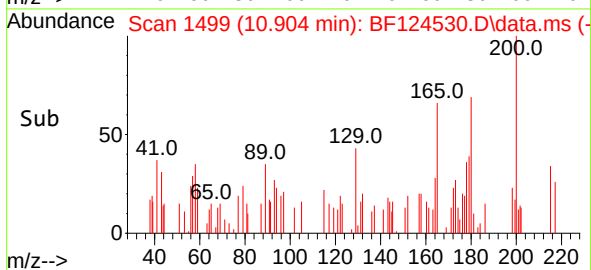
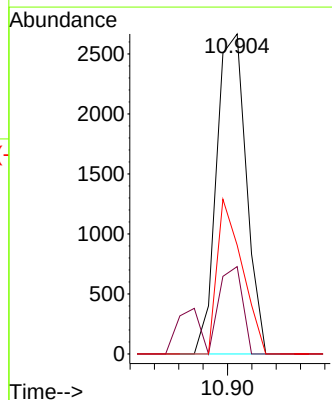
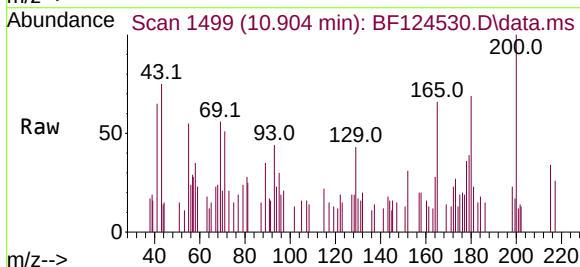
Instrument :
BNA_F
ClientSampled :
P-D19

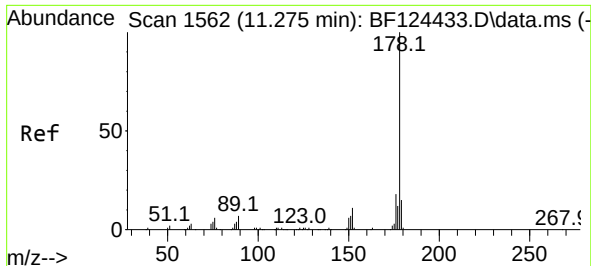
Tgt Ion:248 Resp: 3812
Ion Ratio Lower Upper
248 100
250 124.4 77.4 116.2#
141 366.3 63.7 95.5#



#69
Atrazine
Concen: 2.40 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:200 Resp: 2260
Ion Ratio Lower Upper
200 100
173 27.3 6.9 46.9
215 34.0 26.5 66.5

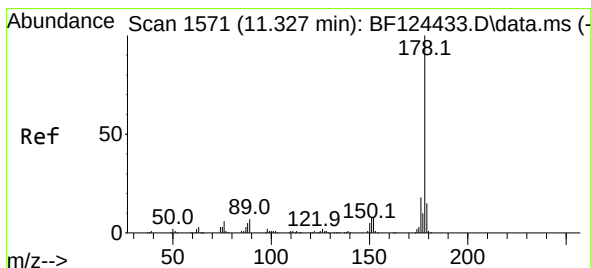
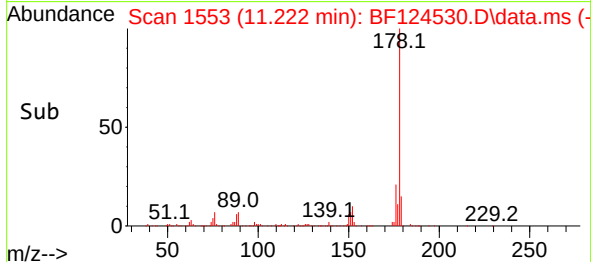
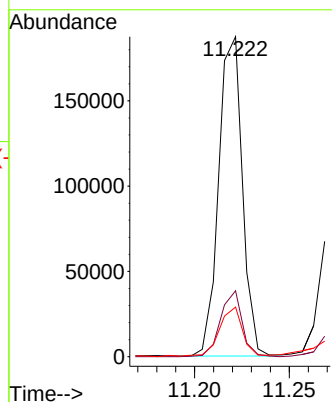
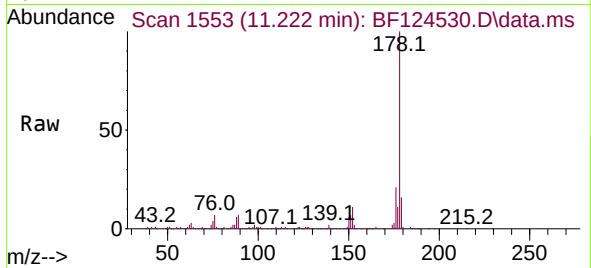




#71
Phenanthrene
Concen: 27.21 ng
RT: 11.222 min Scan# 1553
Delta R.T. 0.000 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

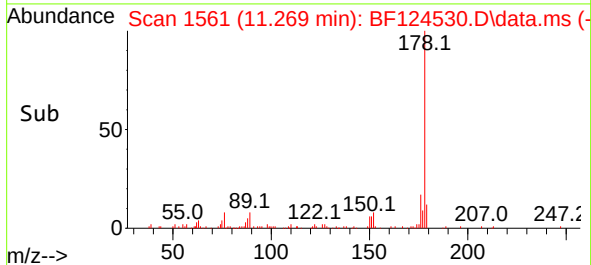
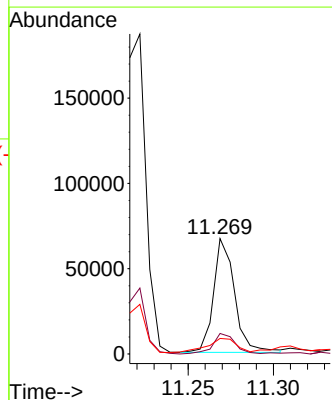
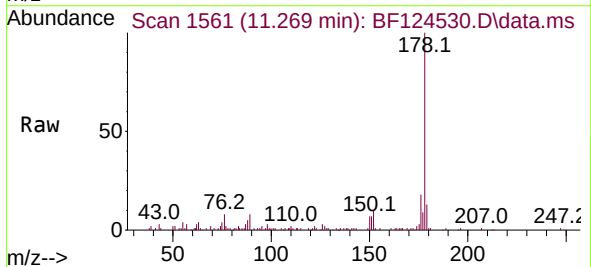
Instrument :
BNA_F
ClientSampled :
P-D19

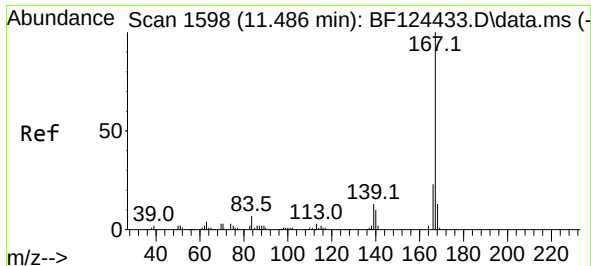
Tgt Ion:178 Resp: 163335
Ion Ratio Lower Upper
178 100
176 20.6 15.6 23.4
179 15.5 12.5 18.7



#72
Anthracene
Concen: 9.60 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:178 Resp: 57385
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 13.4 12.6 18.8

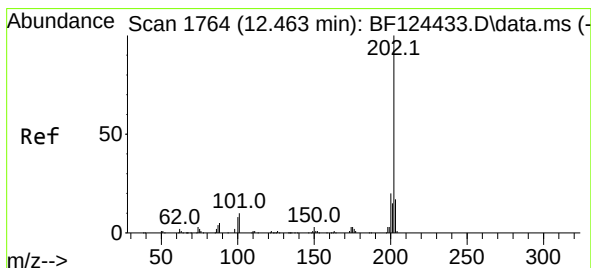
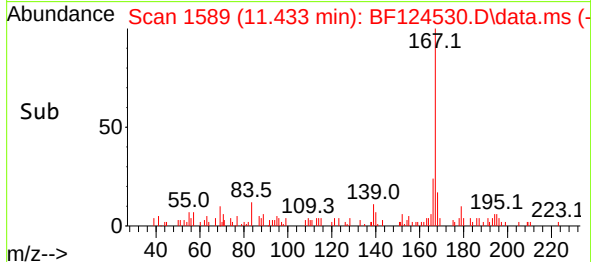
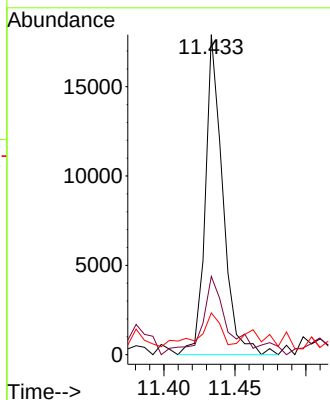
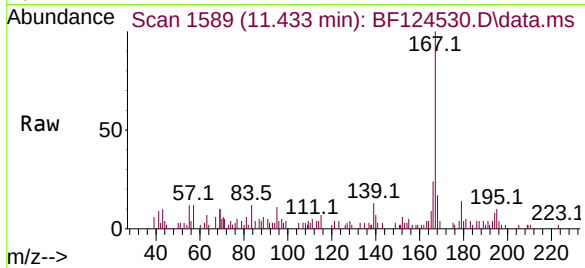




#73
 Carbazole
 Concen: 2.95 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. 0.000 min
 Lab File: BF124530.D
 Acq: 2 Jul 2021 21:42

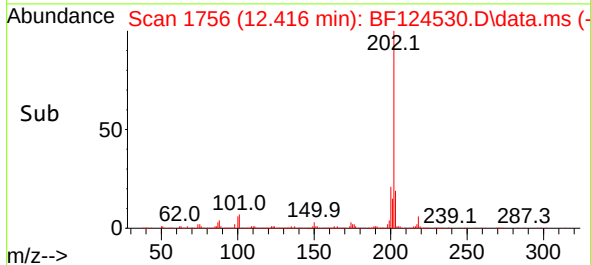
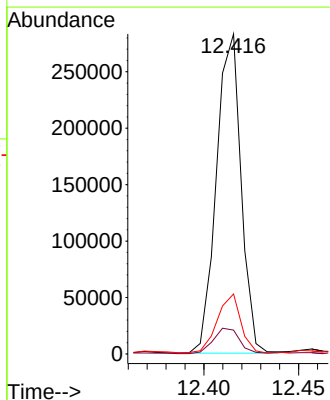
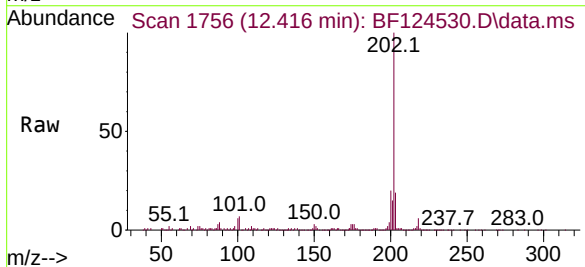
Instrument :
 BNA_F
 ClientSampled :
 P-D19

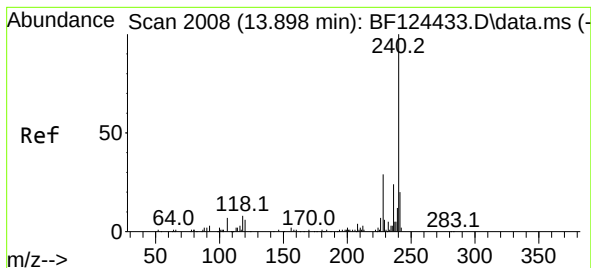
Tgt Ion:167	Resp:	15365
Ion Ratio	Lower	Upper
167	100	
166	24.4	17.0 25.6
139	13.1	10.4 15.6



#75
 Fluoranthene
 Concen: 42.45 ng
 RT: 12.416 min Scan# 1756
 Delta R.T. 0.006 min
 Lab File: BF124530.D
 Acq: 2 Jul 2021 21:42

Tgt Ion:202	Resp:	256390
Ion Ratio	Lower	Upper
202	100	
101	7.5	0.0 30.9
203	18.8	0.0 37.5

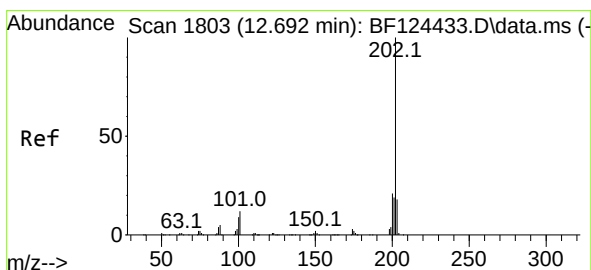
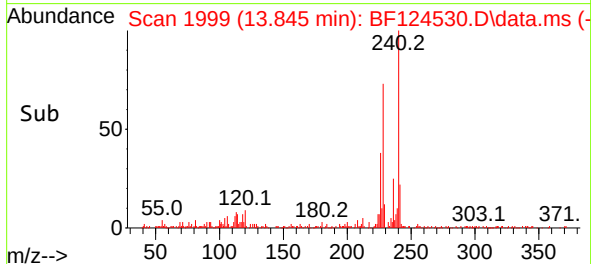
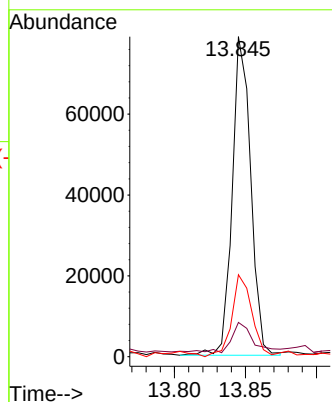
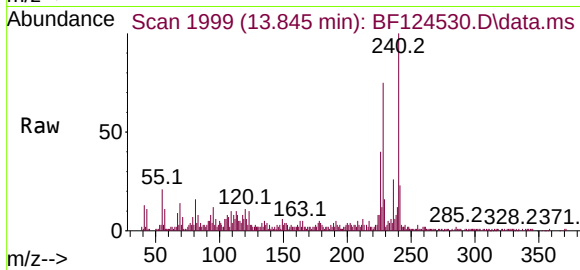




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.845 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

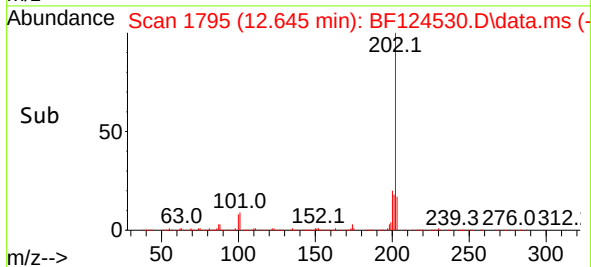
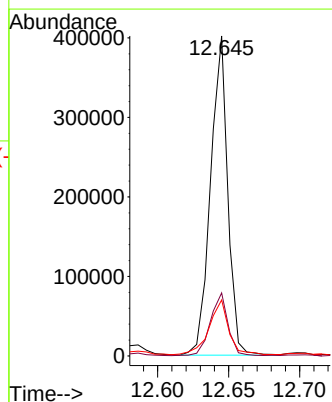
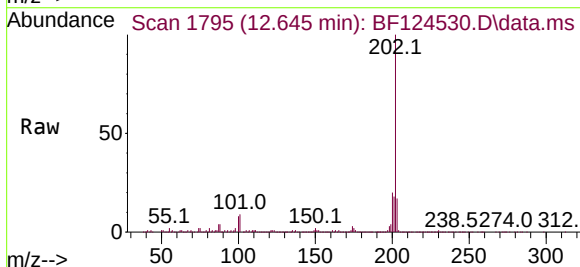
Instrument :
BNA_F
ClientSampleId :
P-D19

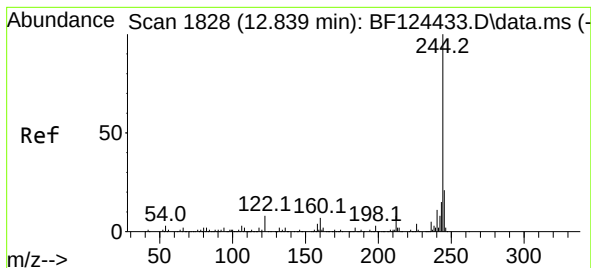
Tgt Ion:240 Resp: 71636
Ion Ratio Lower Upper
240 100
120 10.7 7.2 10.8
236 25.6 19.0 28.4



#78
Pyrene
Concen: 51.88 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:202 Resp: 339238
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 17.5 14.8 22.2





#79

Terphenyl-d14

Concen: 45.53 ng

RT: 12.780 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF124530.D

Acq: 2 Jul 2021 21:42

Tgt Ion:244 Resp: 217776

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

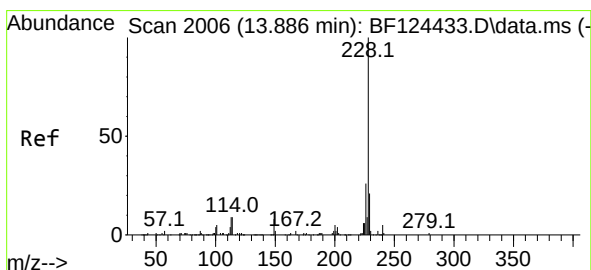
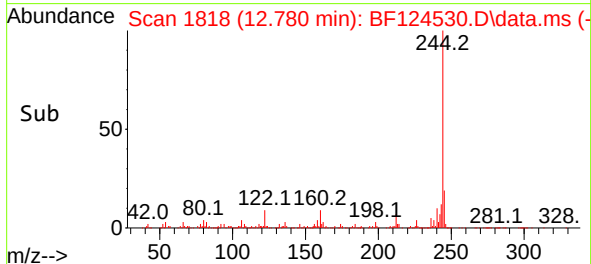
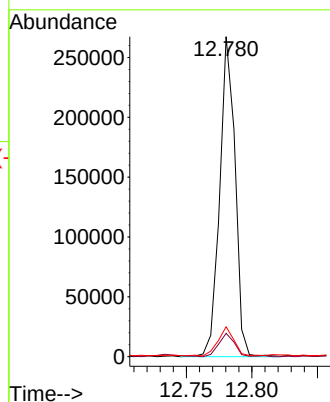
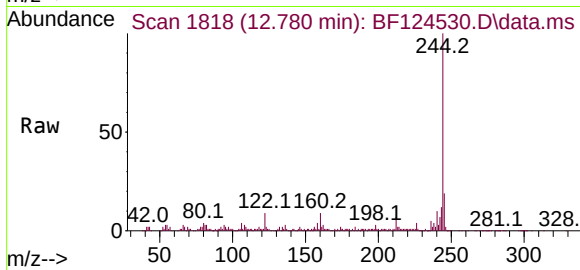
122 9.4 9.7 14.5#

Instrument :

BNA_F

ClientSampleId :

P-D19



#81

Benzo(a)anthracene

Concen: 24.05 ng

RT: 13.839 min Scan# 1998

Delta R.T. 0.012 min

Lab File: BF124530.D

Acq: 2 Jul 2021 21:42

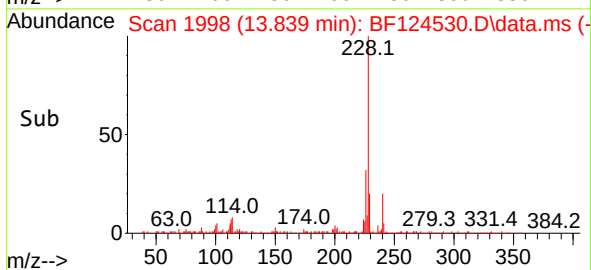
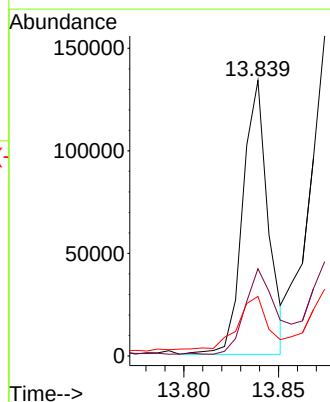
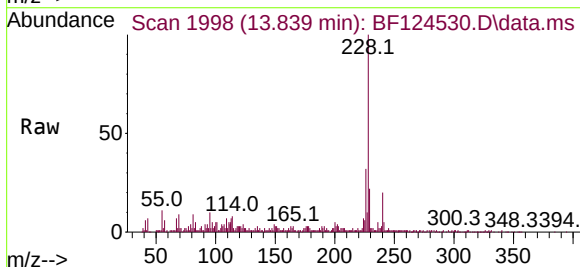
Tgt Ion:228 Resp: 124218

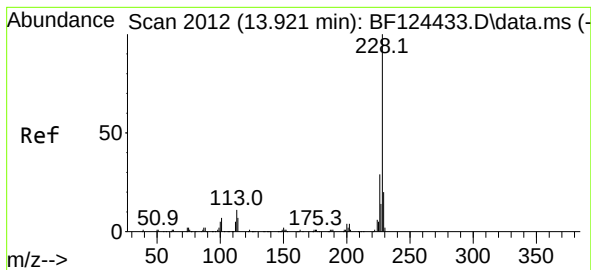
Ion Ratio Lower Upper

228 100

226 31.7 22.4 33.6

229 21.6 16.0 24.0





#83

Chrysene

Concen: 30.07 ng

RT: 13.874 min Scan# 2004

Delta R.T. 0.006 min

Lab File: BF124530.D

Acq: 2 Jul 2021 21:42

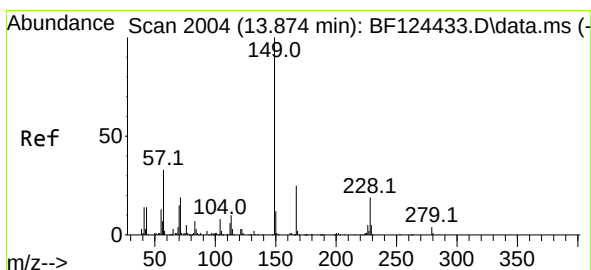
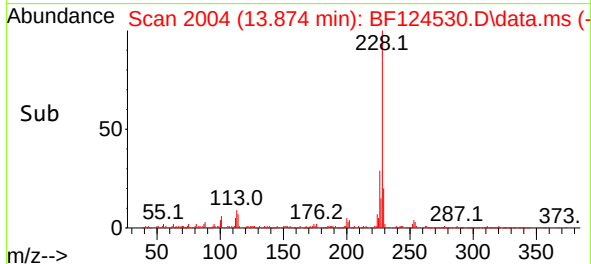
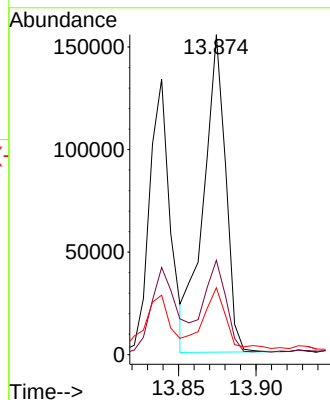
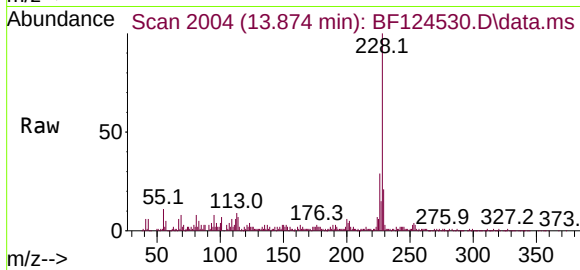
Tgt Ion:228	Resp: 153909
Ion Ratio	Lower Upper
228 100	
226 29.5	24.3 36.5
229 20.9	16.2 24.2

Instrument :

BNA_F

ClientSampleId :

P-D19



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.52 ng

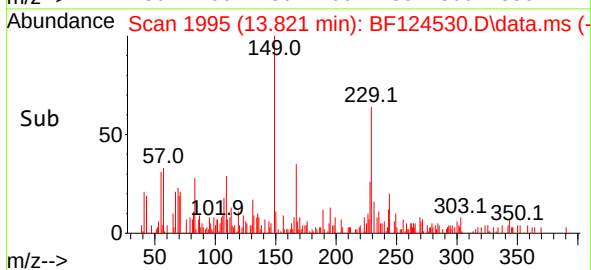
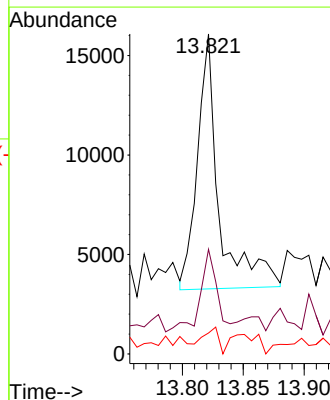
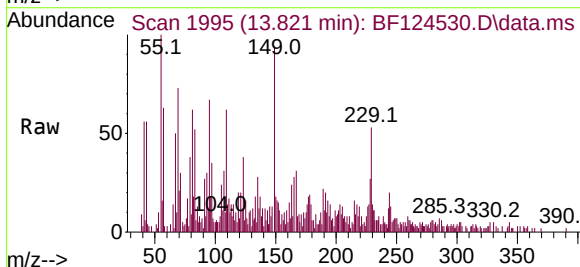
RT: 13.821 min Scan# 1995

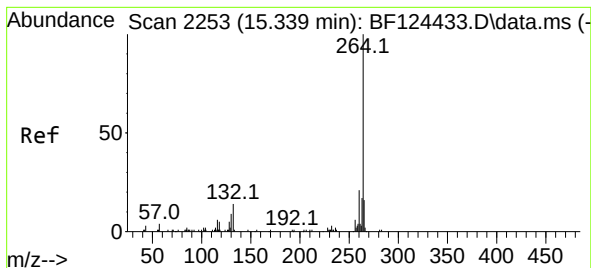
Delta R.T. 0.012 min

Lab File: BF124530.D

Acq: 2 Jul 2021 21:42

Tgt Ion:149	Resp: 15716
Ion Ratio	Lower Upper
149 100	
167 32.7	21.8 32.6#
279 6.6	3.3 4.9#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.280 min Scan# 2243

Delta R.T. 0.018 min

Lab File: BF124530.D

Acq: 2 Jul 2021 21:42

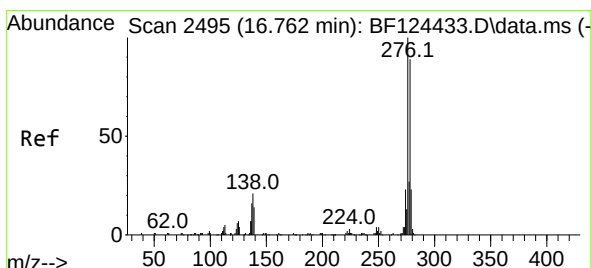
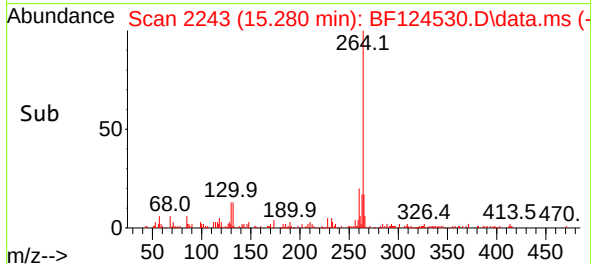
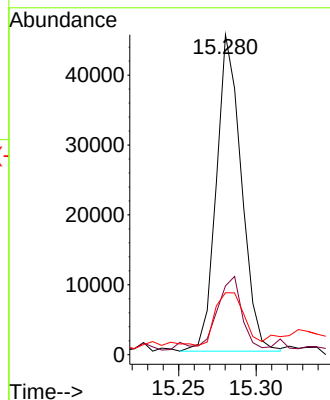
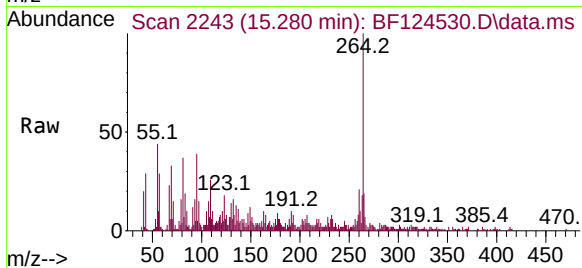
Tgt Ion:	264	Resp:	50834
Ion Ratio	Lower	Upper	
264	100		
260	21.5	18.7	28.1
265	19.3	17.8	26.8

Instrument :

BNA_F

ClientSampled :

P-D19



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.91 ng

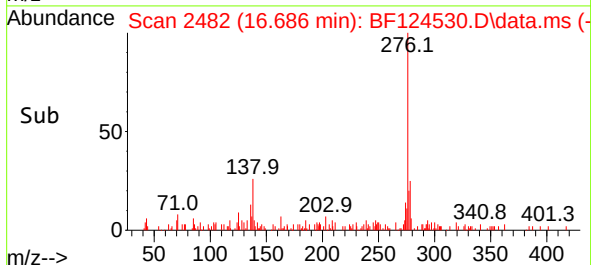
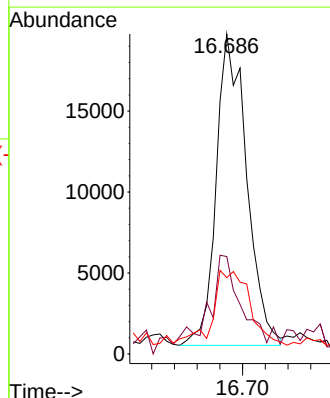
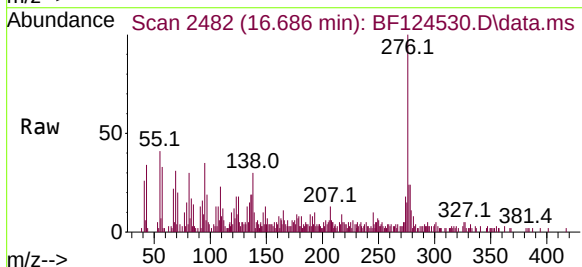
RT: 16.686 min Scan# 2482

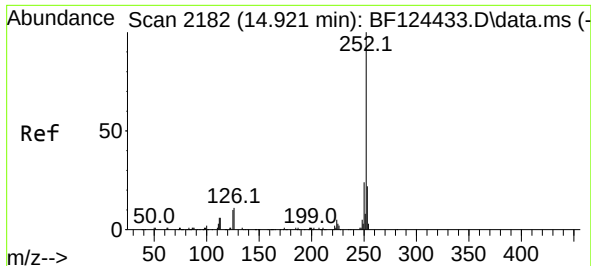
Delta R.T. 0.035 min

Lab File: BF124530.D

Acq: 2 Jul 2021 21:42

Tgt Ion:	276	Resp:	35732
Ion Ratio	Lower	Upper	
276	100		
138	38.6	16.2	24.2#
277	29.2	20.1	30.1

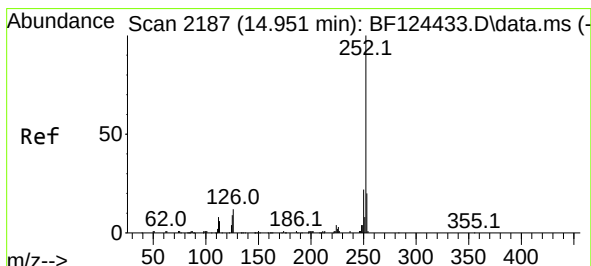
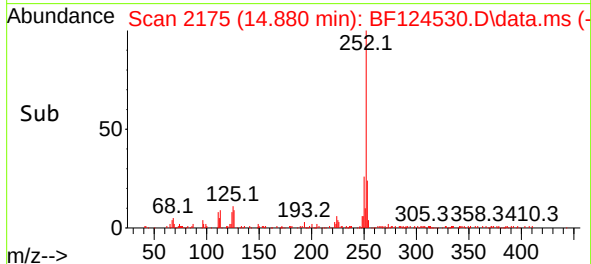
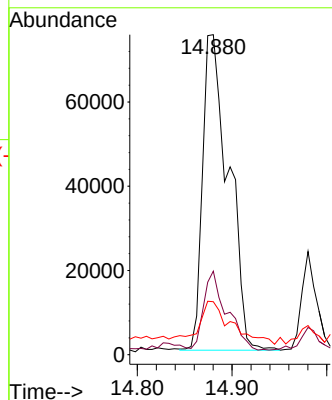
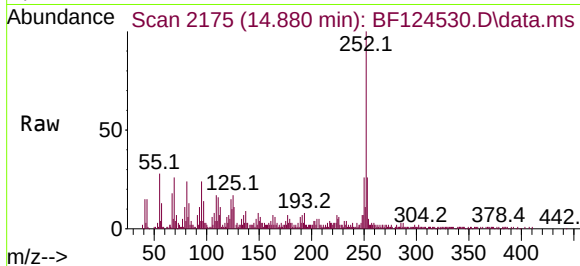




#88
Benzo(b)fluoranthene
Concen: 37.18 ng
RT: 14.880 min Scan# 2175
Delta R.T. 0.024 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

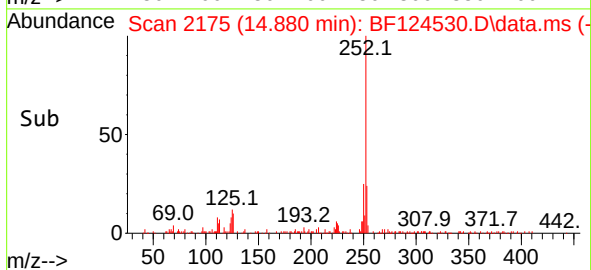
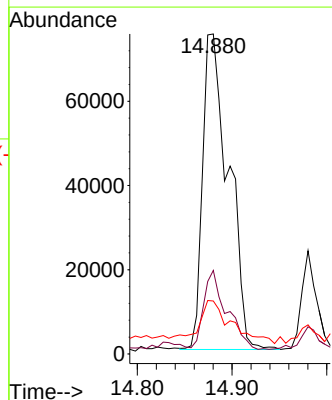
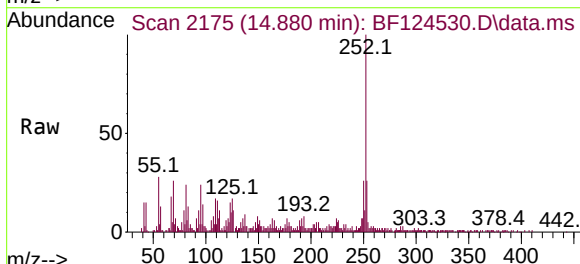
Instrument :
BNA_F
ClientSampled :
P-D19

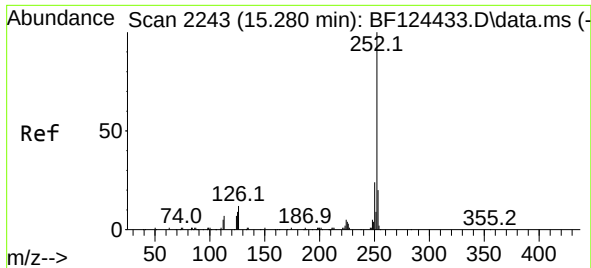
Tgt Ion:252 Resp: 143240
Ion Ratio Lower Upper
252 100
253 26.1 18.1 27.1
125 16.5 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 40.64 ng
RT: 14.880 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:252 Resp: 143240
Ion Ratio Lower Upper
252 100
253 26.1 17.9 26.9
125 16.5 7.0 10.6#

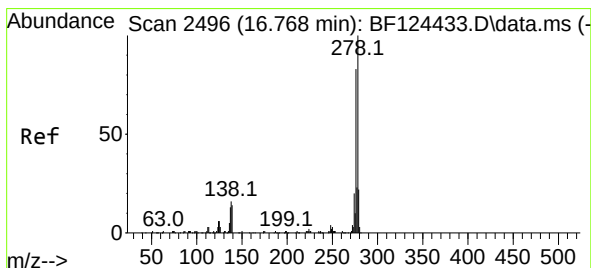
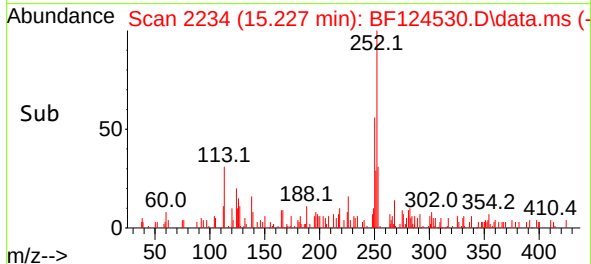
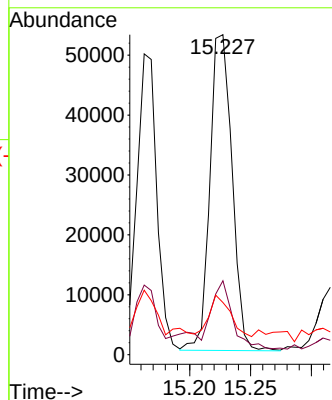
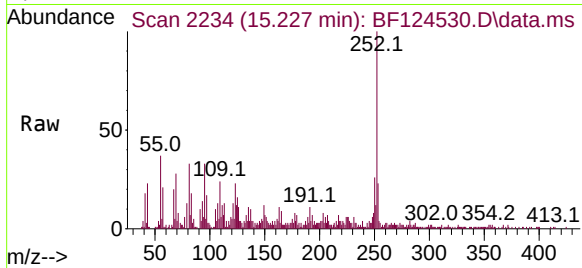




#90
Benzo(a)pyrene
Concen: 19.53 ng
RT: 15.227 min Scan# 2234
Delta R.T. 0.024 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

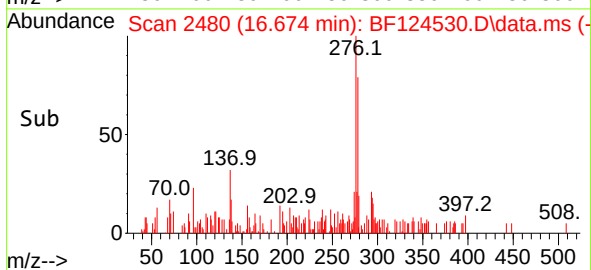
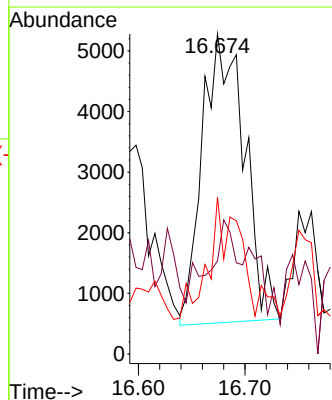
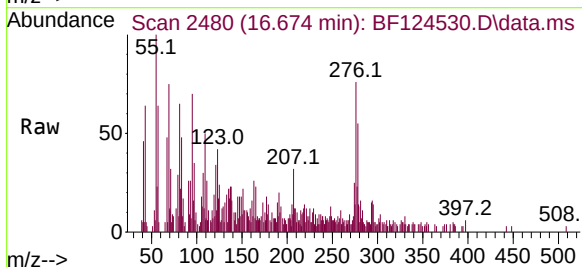
Instrument :
BNA_F
ClientSampled :
P-D19

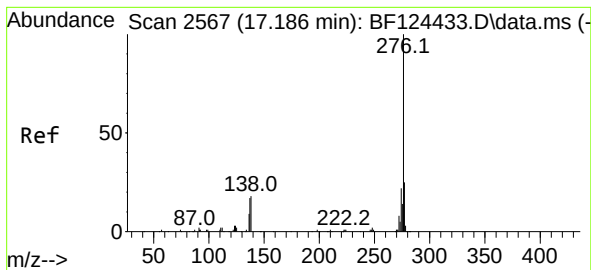
Tgt Ion:252 Resp: 66845
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 16.3 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 3.78 ng
RT: 16.674 min Scan# 2480
Delta R.T. 0.024 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:278 Resp: 13054
Ion Ratio Lower Upper
278 100
139 29.1 10.2 15.2#
279 49.0 19.4 29.0#





#92

Benzo(g,h,i)perylene

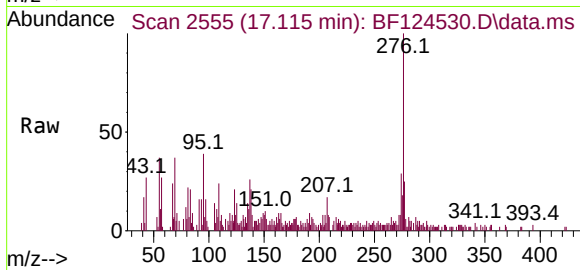
Concen: 9.98 ng

RT: 17.115 min Scan# 2555

Delta R.T. 0.047 min

Lab File: BF124530.D

Acq: 2 Jul 2021 21:42



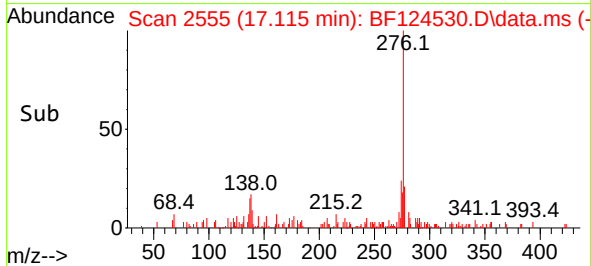
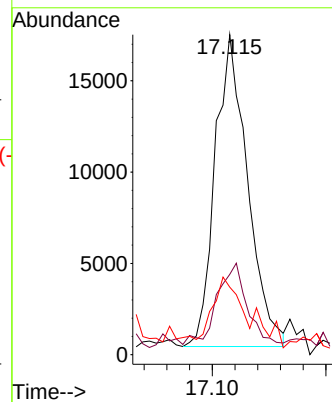
Tgt Ion:276 Resp: 33923

Ion	Ratio	Lower	Upper
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276	100		
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277	25.1	18.2	27.2
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138	21.1	13.8	20.6#
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Instrument :

BNA_F

ClientSampleId :

P-D19