

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124529.D
 Acq On : 2 Jul 2021 21:09
 Operator : JU/CG
 Sample : M2913-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-4050

Quant Time: Jul 03 01:45:52 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)

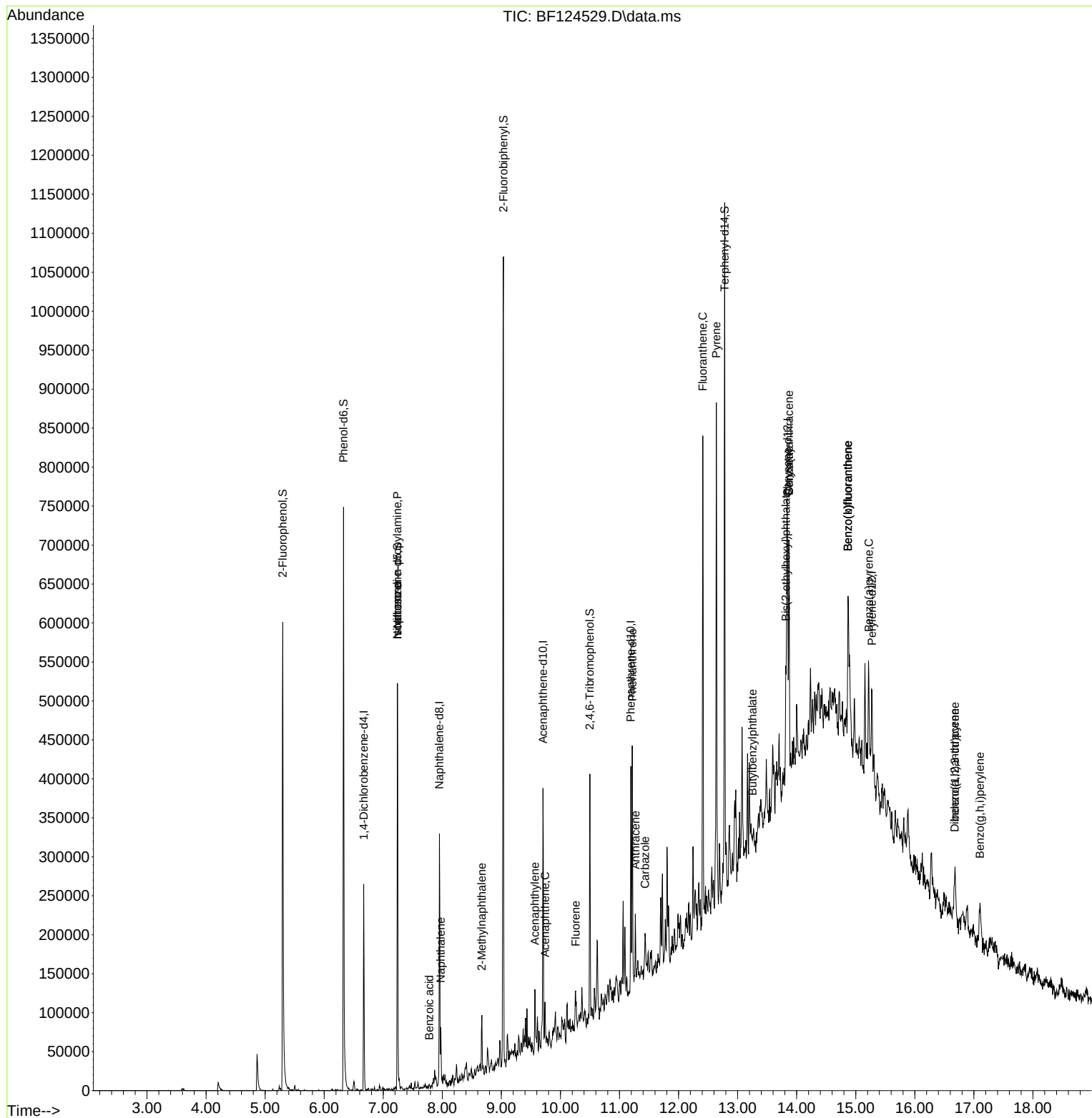
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	34434	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	116879	20.00	ng	# 0.00
39) Acenaphthene-d10	9.704	164	60318	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	92164	20.00	ng	0.00
76) Chrysene-d12	13.845	240	72689	20.00	ng	0.00
86) Perylene-d12	15.274	264	52335	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	164298	75.04	ng	0.00
7) Phenol-d6	6.328	99	212303	74.26	ng	0.00
23) Nitrobenzene-d5	7.239	82	154568	54.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	31386	43.55	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	299077	60.74	ng	0.00
79) Terphenyl-d14	12.780	244	239047	49.26	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.239	70	23049	11.99	ng	# 60
25) Isophorone	7.239	82	154568	31.89	ng	# 69
31) Naphthalene	7.975	128	28106	4.09	ng	# 88
32) Benzoic acid	7.781	122	116	7.28	ng	# 1
37) 2-Methylnaphthalene	8.669	142	16392	3.37	ng	99
49) Acenaphthylene	9.569	152	19458	3.21	ng	# 86
52) Acenaphthene	9.739	154	7936	2.06	ng	99
58) Fluorene	10.257	166	11832	2.51	ng	# 95
71) Phenanthrene	11.216	178	106016	18.25	ng	97
72) Anthracene	11.269	178	32448	5.61	ng	95
73) Carbazole	11.433	167	12625	2.50	ng	# 93
75) Fluoranthene	12.410	202	213113	36.45	ng	96
78) Pyrene	12.639	202	250480	37.75	ng	97
80) Butylbenzylphthalate	13.251	149	6642	2.52	ng	# 77
81) Benzo(a)anthracene	13.868	228	115634	22.06	ng	97
83) Chrysene	13.868	228	115634	22.27	ng	94
84) Bis(2-ethylhexyl)phtha...	13.816	149	34044	9.64	ng	97
87) Indeno(1,2,3-cd)pyrene	16.680	276	35703	8.65	ng	99
88) Benzo(b)fluoranthene	14.868	252	132124	33.32	ng	# 96
89) Benzo(k)fluoranthene	14.868	252	132124	36.42	ng	# 97
90) Benzo(a)pyrene	15.221	252	68886	19.55	ng	99
91) Dibenzo(a,h)anthracene	16.674	278	11382	3.20	ng	# 66
92) Benzo(g,h,i)perylene	17.104	276	39944	11.42	ng	# 93

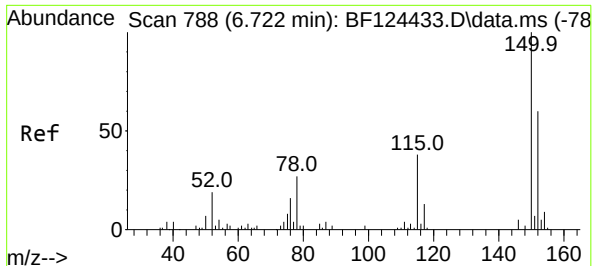
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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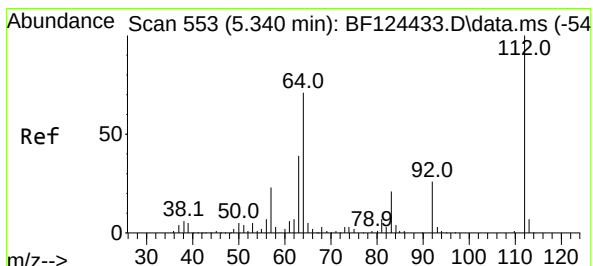
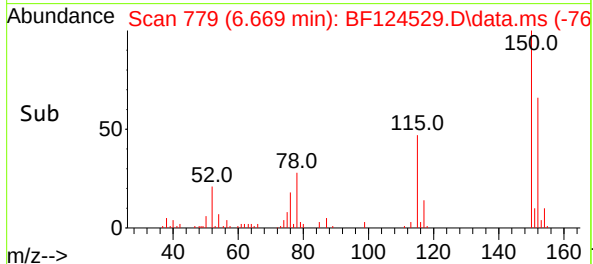
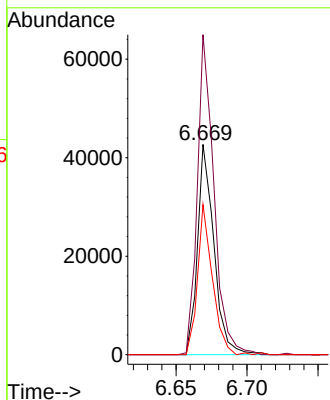
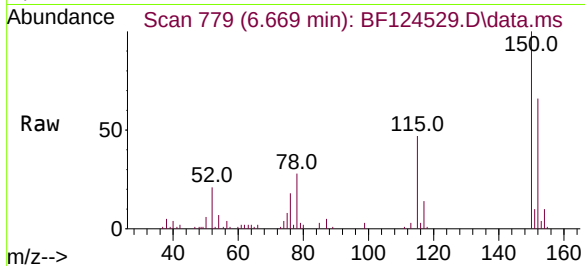




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

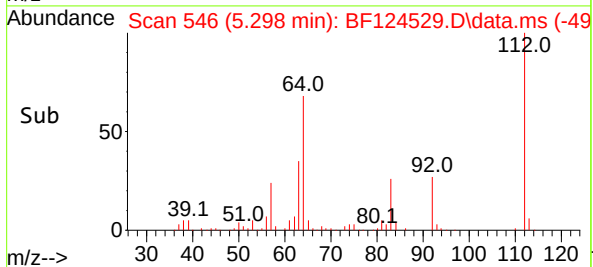
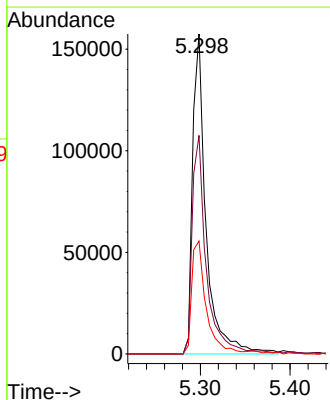
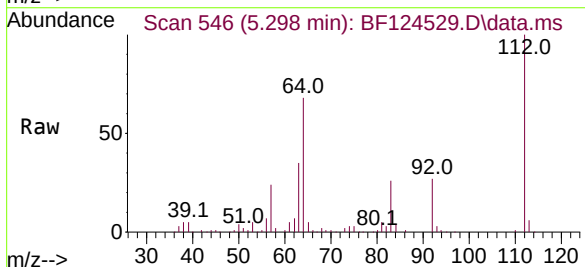
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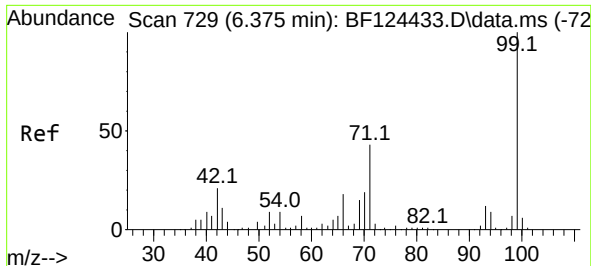
Tgt Ion:152 Resp: 34434
Ion Ratio Lower Upper
152 100
150 152.2 127.0 190.6
115 71.4 54.3 81.5



#5
2-Fluorophenol
Concen: 75.04 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:112 Resp: 164298
Ion Ratio Lower Upper
112 100
64 68.3 61.4 92.0
63 35.3 33.0 49.4

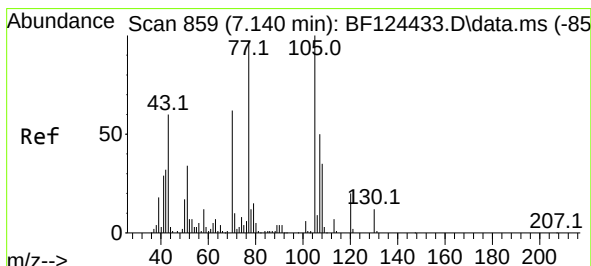
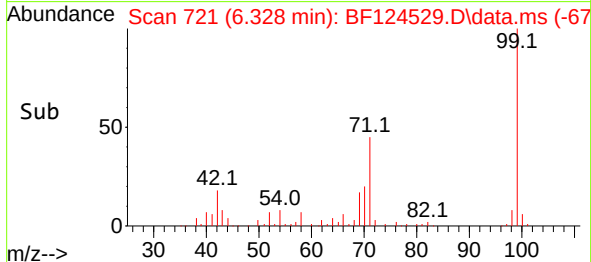
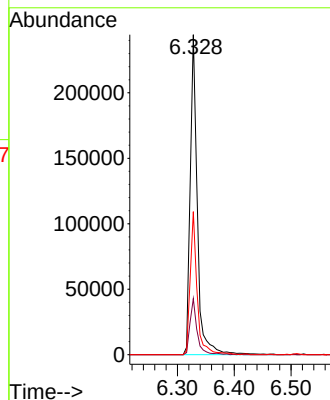
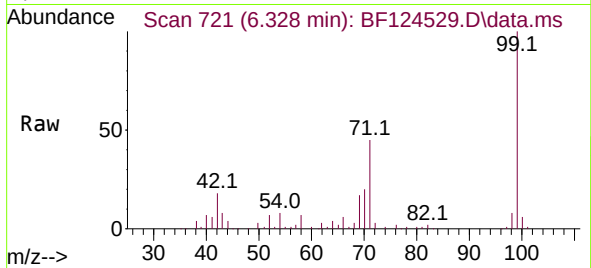




#7
Phenol-d6
Concen: 74.26 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

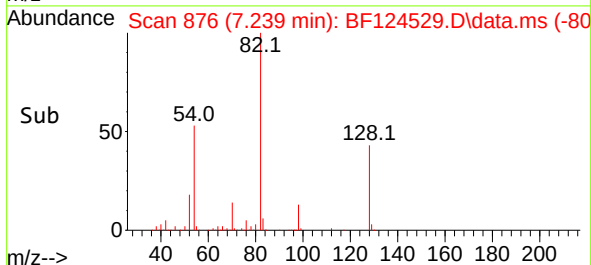
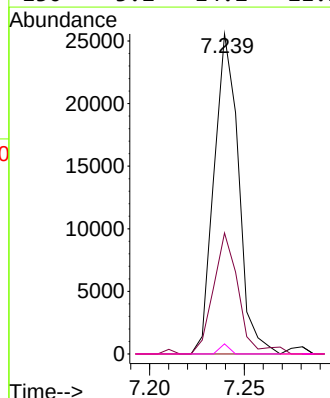
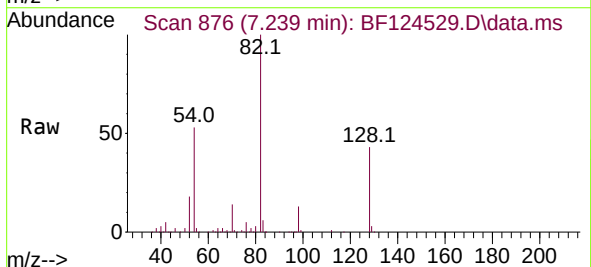
Instrument :
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ClientSampleId :
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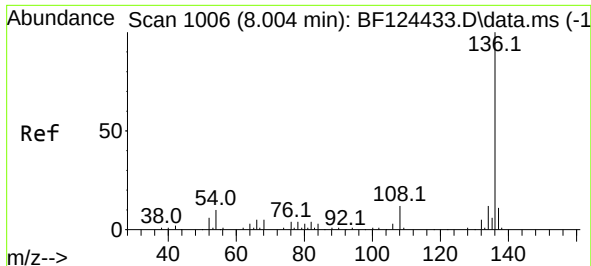
Tgt Ion: 99 Resp: 212303
Ion Ratio Lower Upper
99 100
42 17.5 19.8 29.8#
71 44.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.99 ng
RT: 7.239 min Scan# 876
Delta R.T. 0.141 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion: 70 Resp: 23049
Ion Ratio Lower Upper
70 100
42 37.8 60.1 90.1#
101 0.0 7.4 11.2#
130 3.2 14.2 21.2#

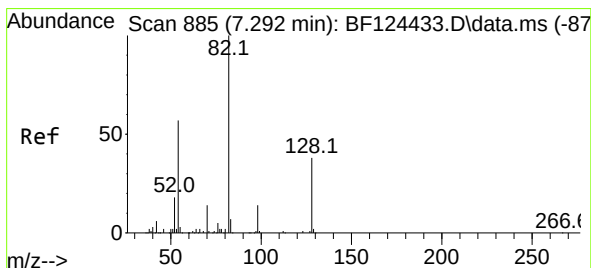
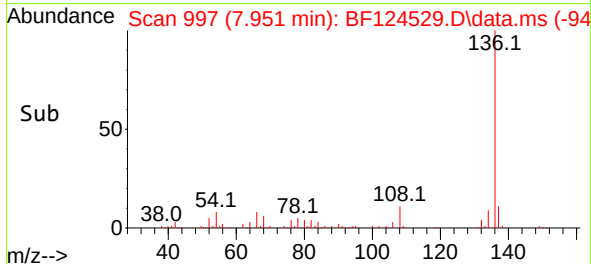
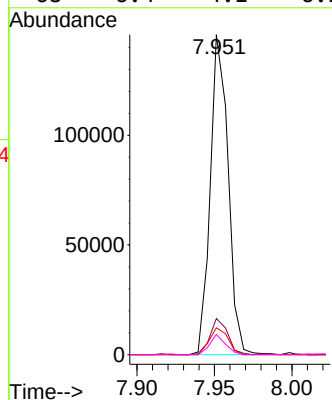
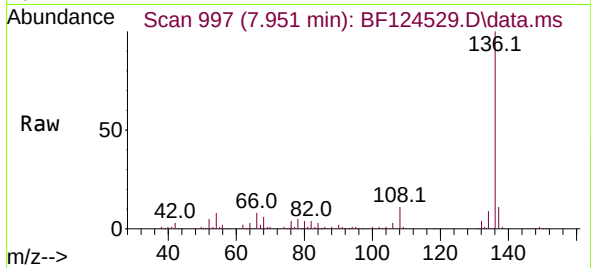




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

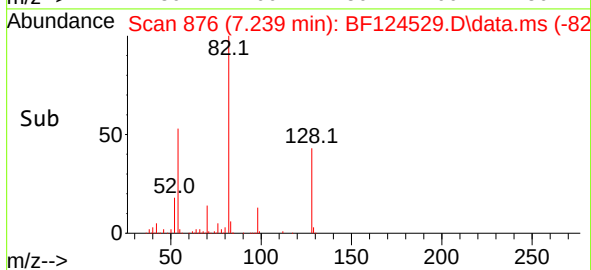
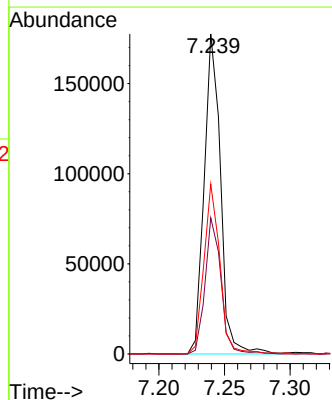
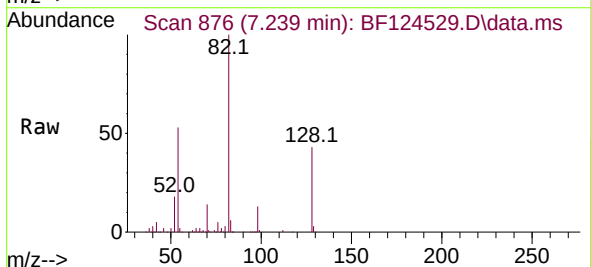
Instrument :
BNA_F
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D-4050

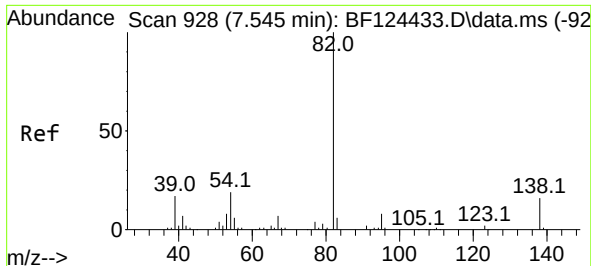
Tgt Ion:136 Resp: 116879
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 8.4 9.8 14.6#
68 6.4 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 54.83 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

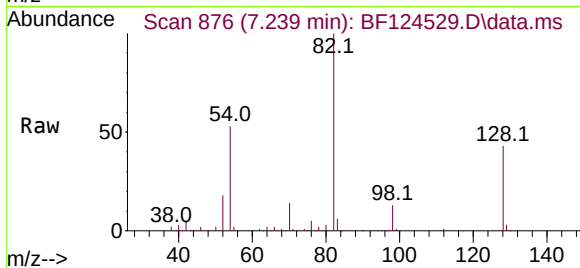
Tgt Ion: 82 Resp: 154568
Ion Ratio Lower Upper
82 100
128 42.5 29.4 44.2
54 53.1 54.1 81.1#



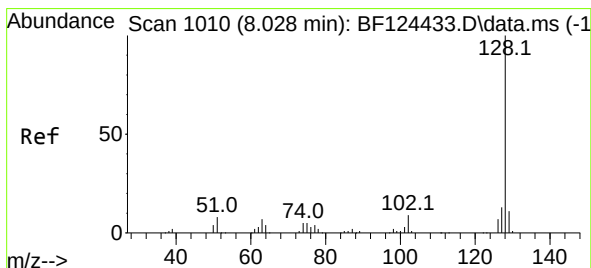
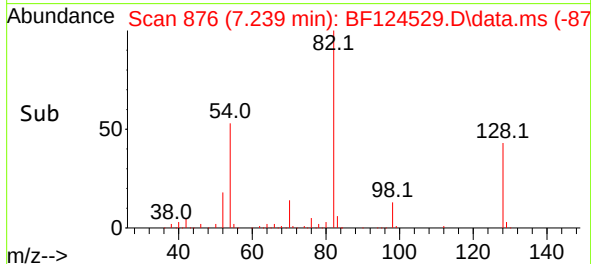
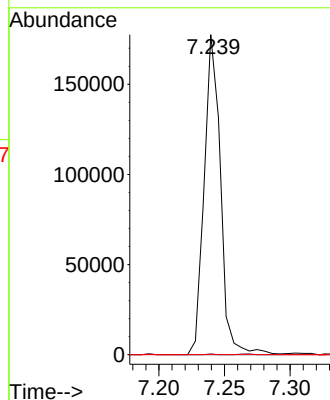


#25
Isophorone
Concen: 31.89 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.265 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Instrument :
BNA_F
ClientSampleId :
D-4050

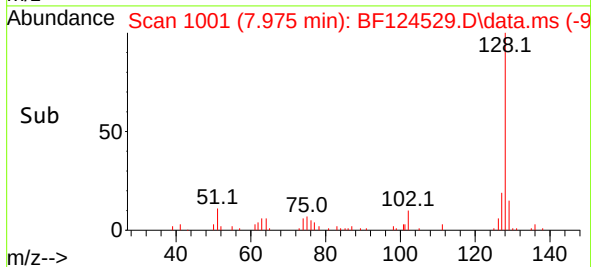
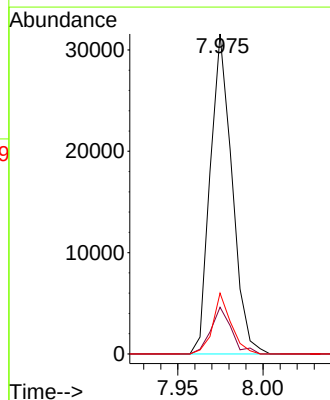
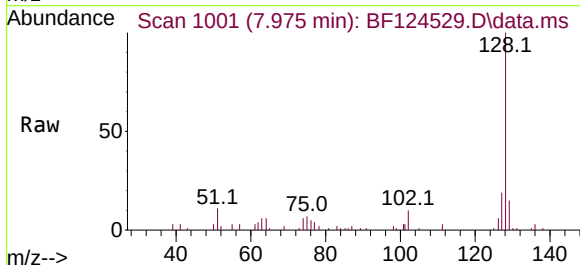


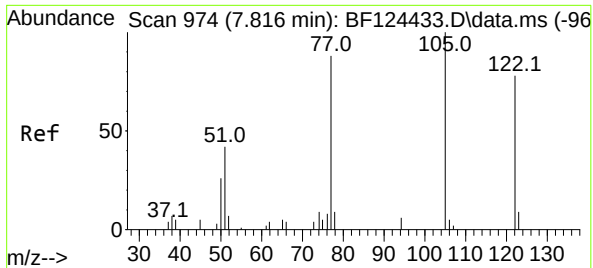
Tgt Ion: 82 Resp: 154568
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 4.09 ng
RT: 7.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion: 128 Resp: 28106
Ion Ratio Lower Upper
128 100
129 14.6 8.9 13.3#
127 19.0 10.8 16.2#





#32

Benzoic acid

Concen: 7.28 ng

RT: 7.781 min Scan# 968

Delta R.T. -0.024 min

Lab File: BF124529.D

Acq: 2 Jul 2021 21:09

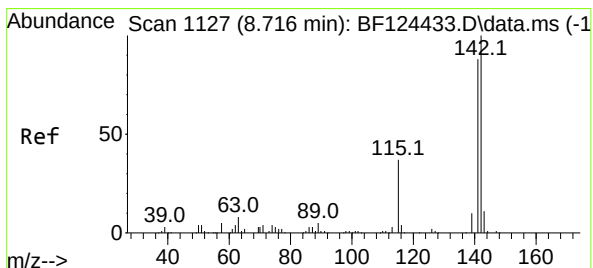
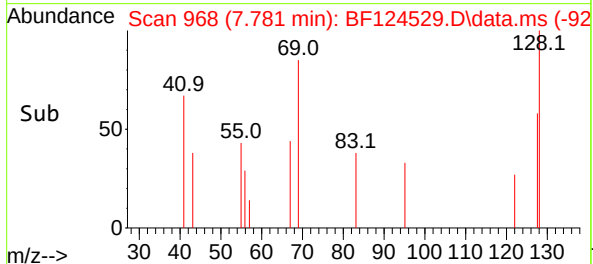
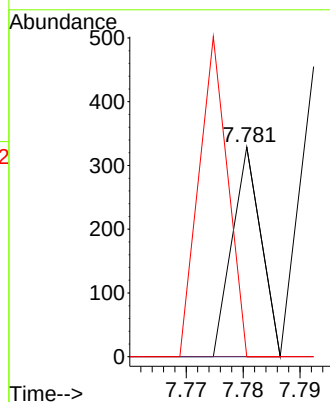
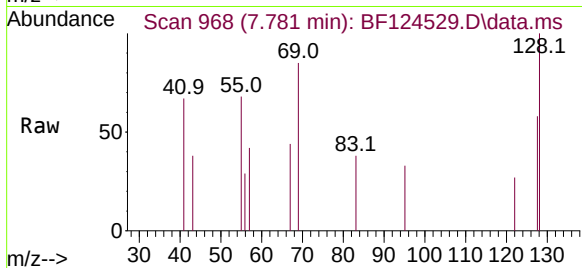
Instrument :

BNA_F

ClientSampleId :

D-4050

Tgt Ion:122	Resp:	116
Ion Ratio	Lower	Upper
122	100	
105	0.0	107.8 147.8#
77	0.0	81.6 121.6#



#37

2-Methylnaphthalene

Concen: 3.37 ng

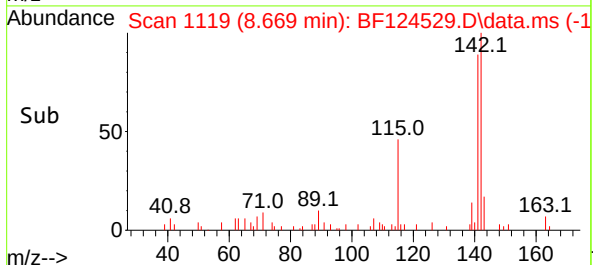
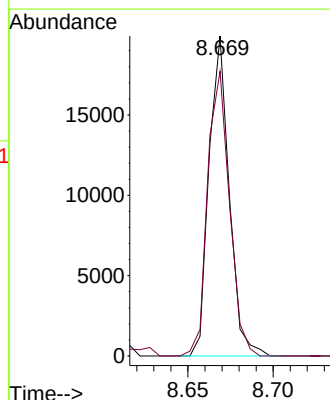
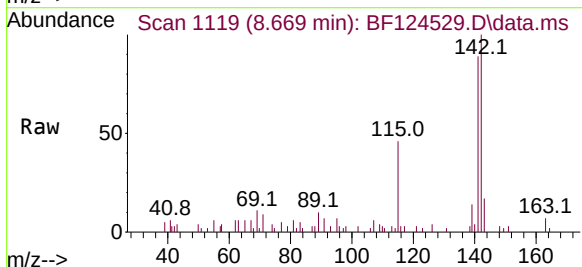
RT: 8.669 min Scan# 1119

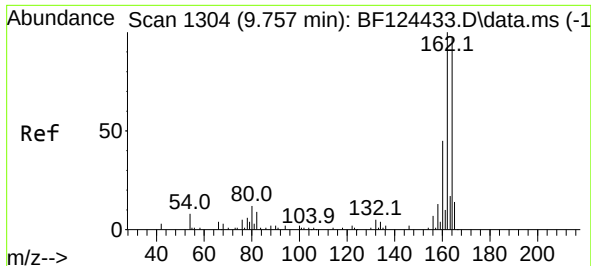
Delta R.T. 0.000 min

Lab File: BF124529.D

Acq: 2 Jul 2021 21:09

Tgt Ion:142	Resp:	16392
Ion Ratio	Lower	Upper
142	100	
141	89.0	71.8 107.6

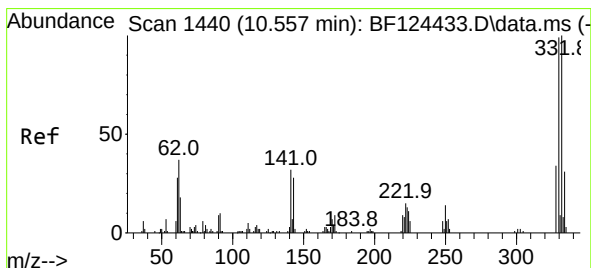
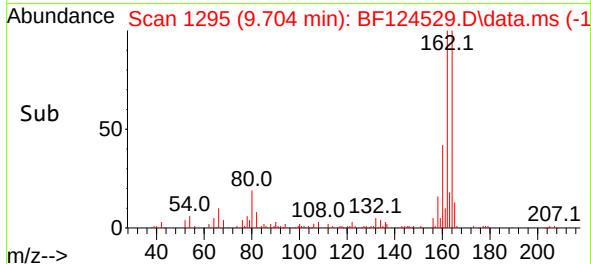
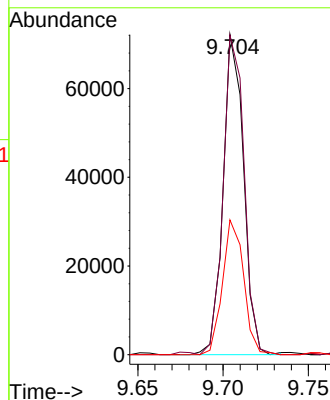
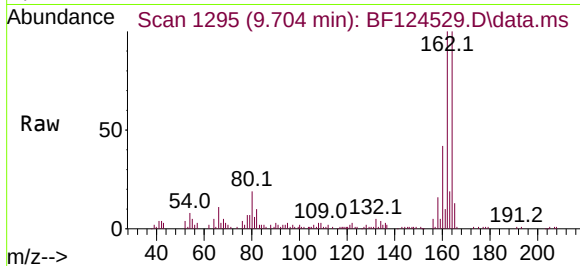




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

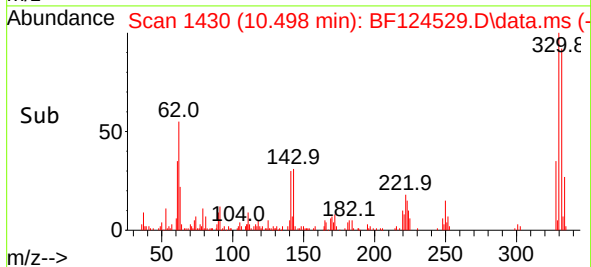
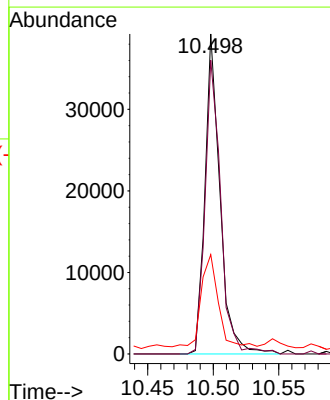
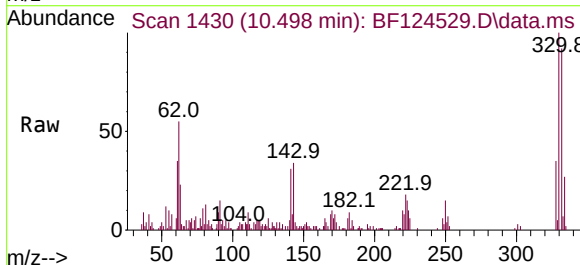
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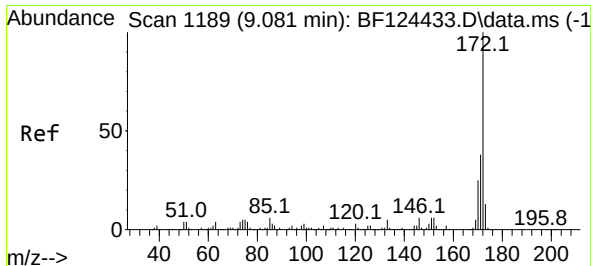
Tgt Ion:164 Resp: 60318
Ion Ratio Lower Upper
164 100
162 99.8 80.7 121.1
160 42.1 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 43.55 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:330 Resp: 31386
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 33.0 27.9 41.9

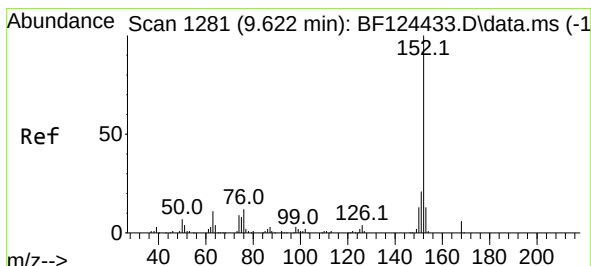
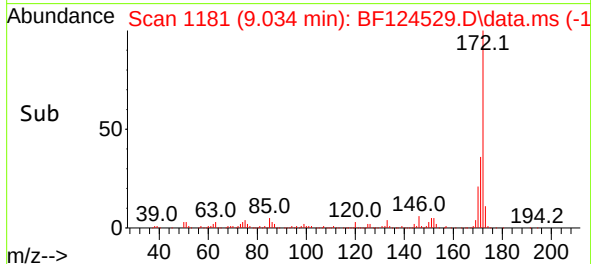
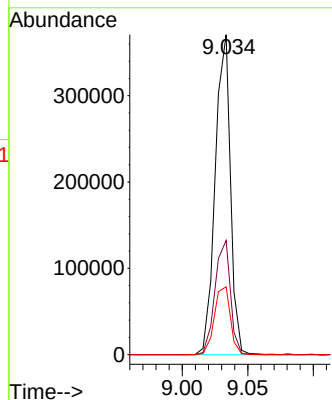
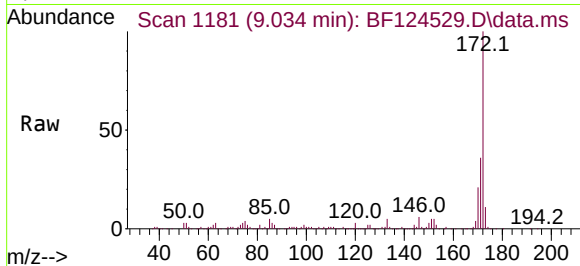




#45
2-Fluorobiphenyl
Concen: 60.74 ng
RT: 9.034 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

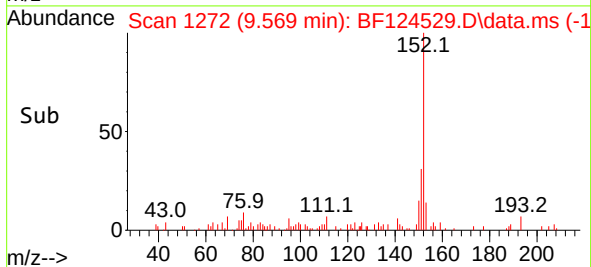
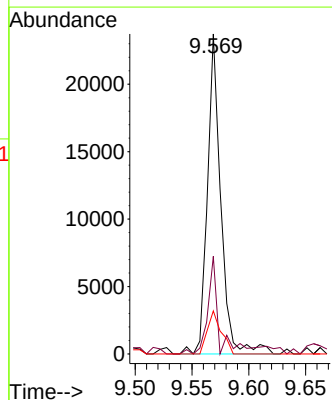
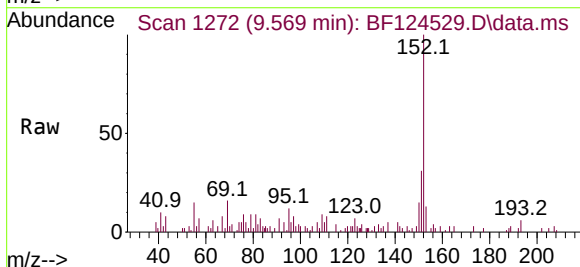
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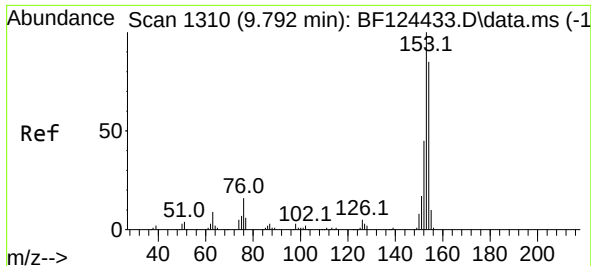
Tgt Ion:172 Resp: 299077
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 21.2 19.2 28.8



#49
Acenaphthylene
Concen: 3.21 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:152 Resp: 19458
Ion Ratio Lower Upper
152 100
151 30.5 16.0 24.0#
153 13.4 10.4 15.6

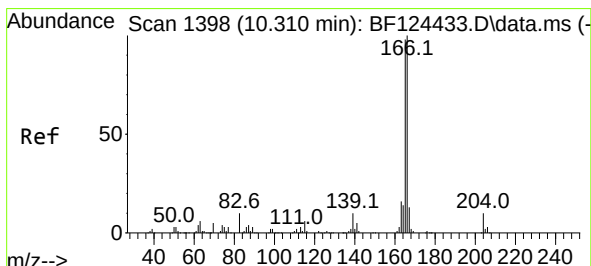
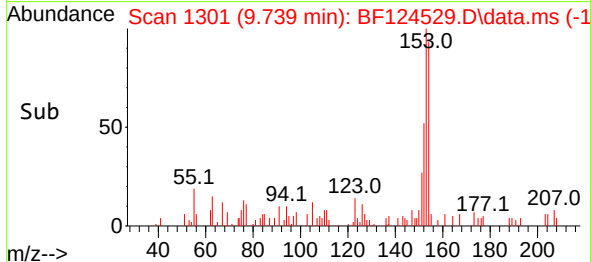
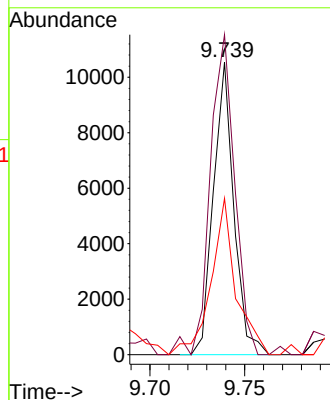
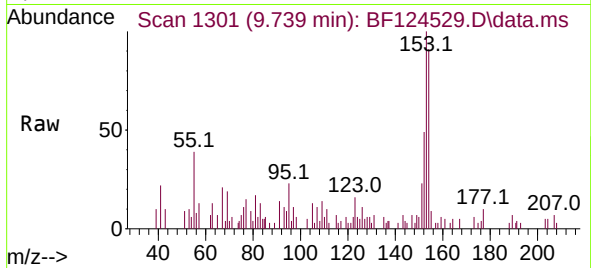




#52
Acenaphthene
Concen: 2.06 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

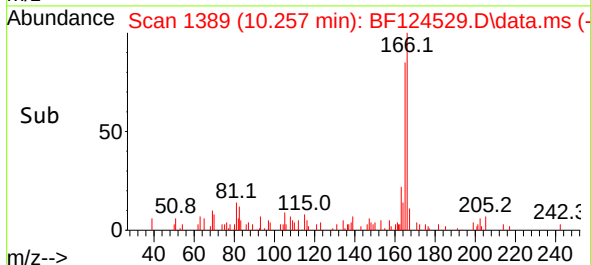
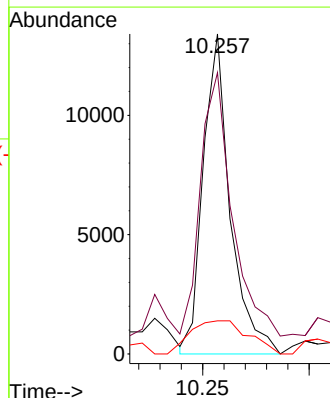
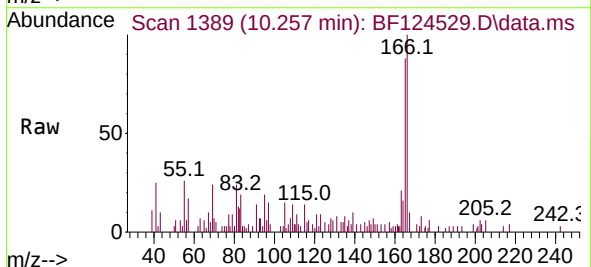
Instrument :
BNA_F
ClientSampleId :
D-4050

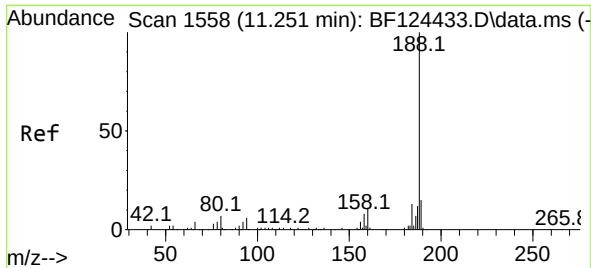
Tgt Ion:154 Resp: 7936
Ion Ratio Lower Upper
154 100
153 109.4 88.1 132.1
152 53.4 43.4 65.0



#58
Fluorene
Concen: 2.51 ng
RT: 10.257 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:166 Resp: 11832
Ion Ratio Lower Upper
166 100
165 87.9 73.5 110.3
167 10.3 10.7 16.1#

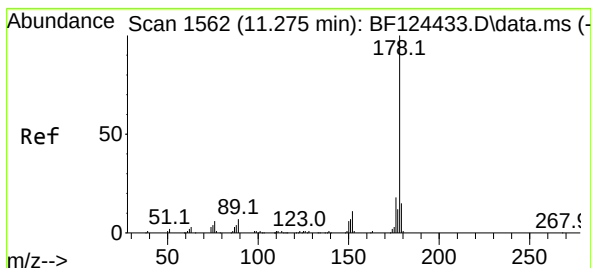
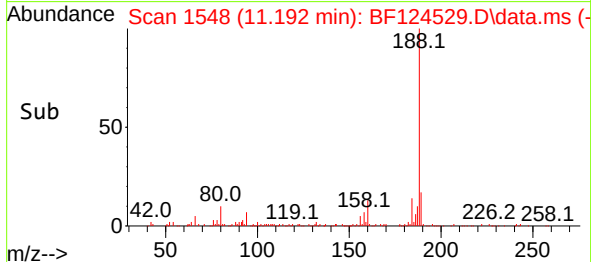
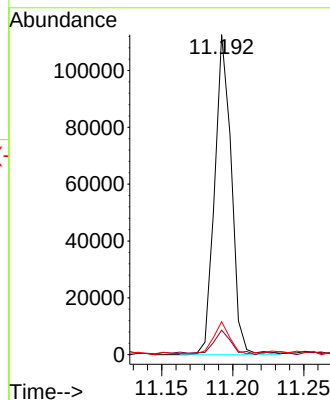
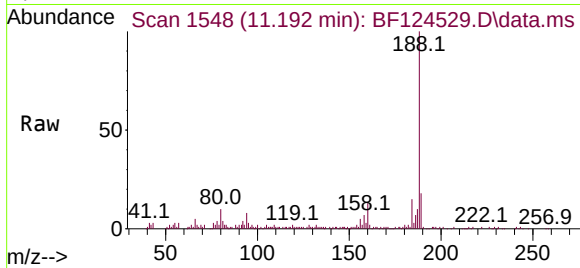




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

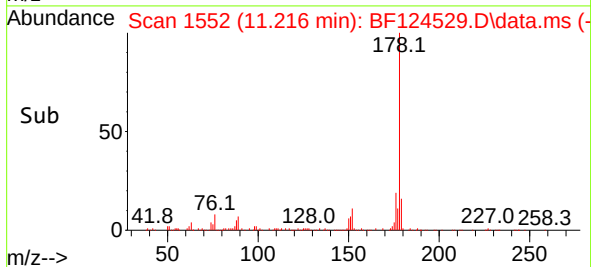
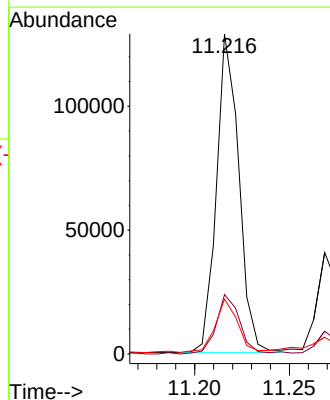
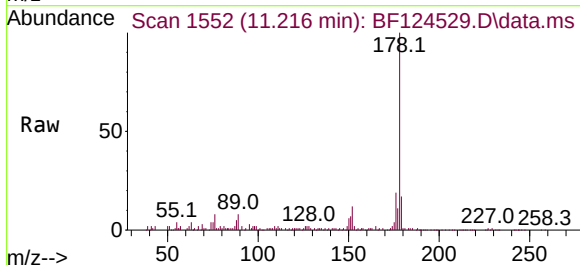
Instrument :
BNA_F
ClientSampleId :
D-4050

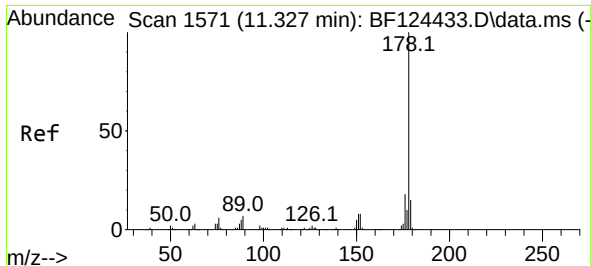
Tgt Ion:188	Resp:	92164
Ion Ratio	Lower	Upper
188	100	
94	7.7	6.9 10.3
80	10.3	8.2 12.2



#71
Phenanthrene
Concen: 18.25 ng
RT: 11.216 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:178	Resp:	106016
Ion Ratio	Lower	Upper
178	100	
176	18.6	15.6 23.4
179	17.1	12.5 18.7

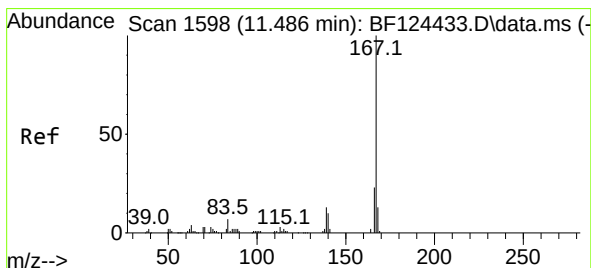
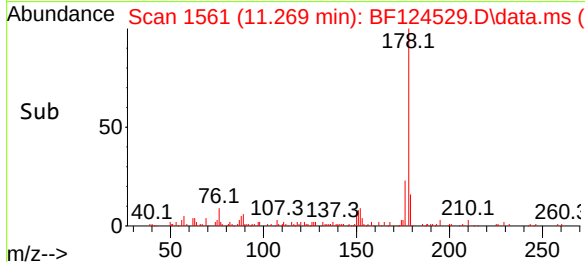
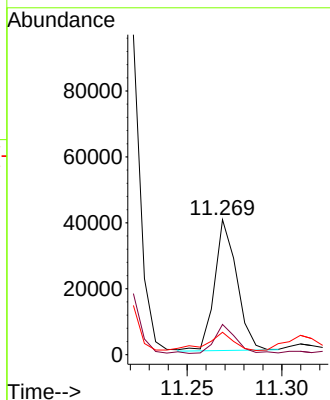
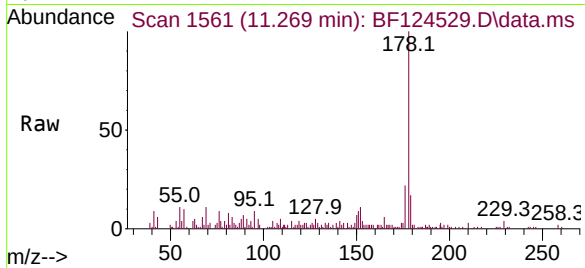




#72
 Anthracene
 Concen: 5.61 ng
 RT: 11.269 min Scan# 1561
 Delta R.T. -0.006 min
 Lab File: BF124529.D
 Acq: 2 Jul 2021 21:09

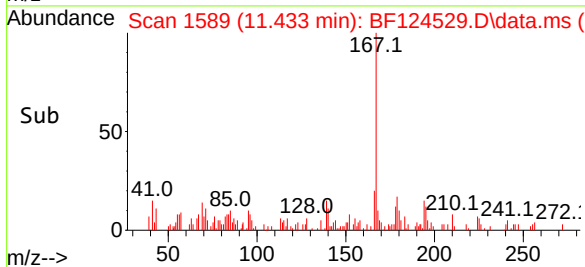
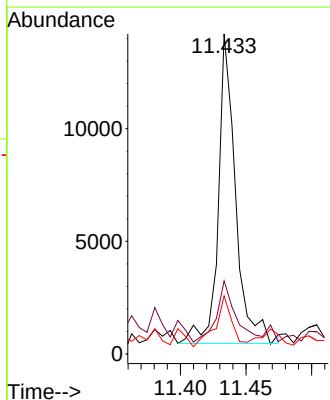
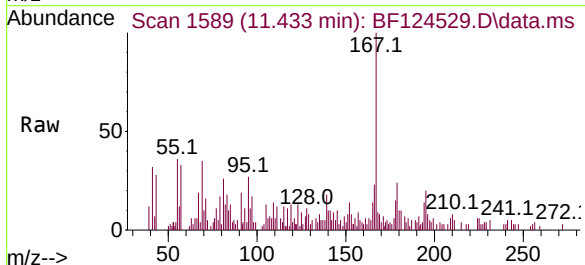
Instrument :
 BNA_F
 ClientSampled :
 D-4050

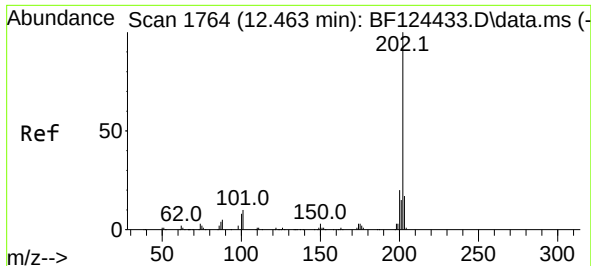
Tgt Ion:178 Resp: 32448
 Ion Ratio Lower Upper
 178 100
 176 22.4 15.4 23.0
 179 16.6 12.6 18.8



#73
 Carbazole
 Concen: 2.50 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. 0.000 min
 Lab File: BF124529.D
 Acq: 2 Jul 2021 21:09

Tgt Ion:167 Resp: 12625
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.0 25.6
 139 18.2 10.4 15.6#

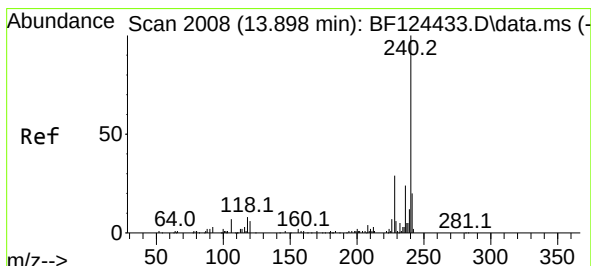
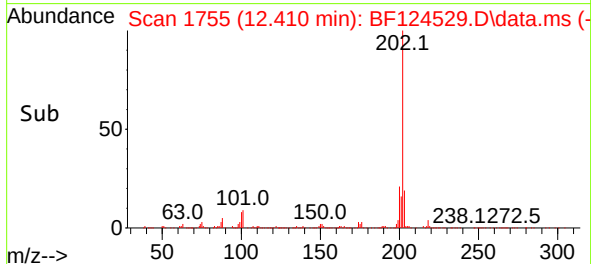
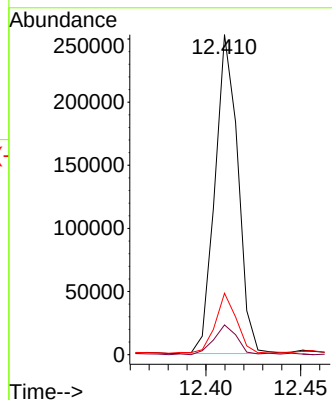
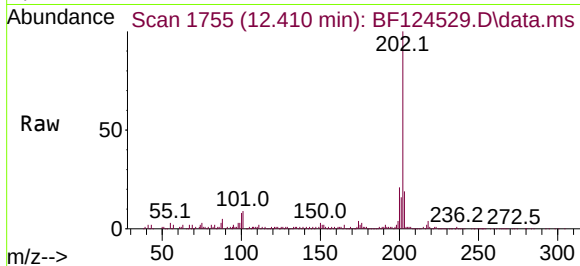




#75
Fluoranthene
Concen: 36.45 ng
RT: 12.410 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

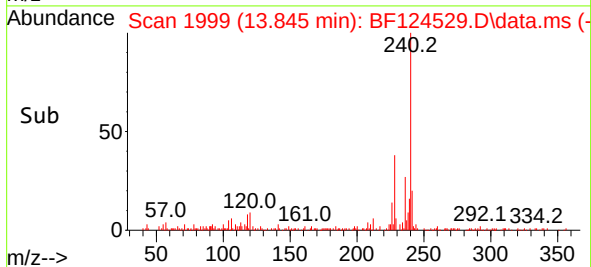
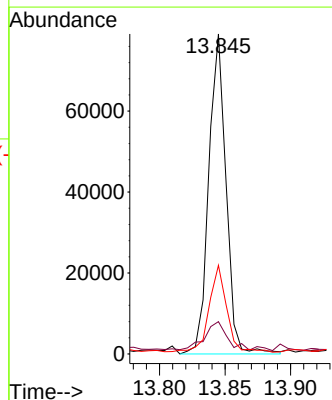
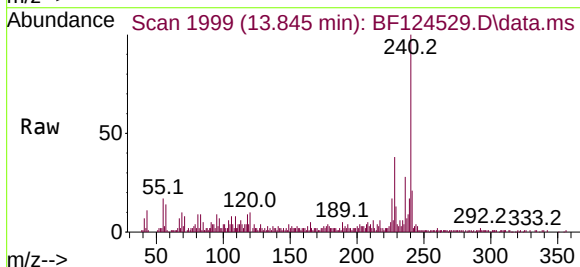
Instrument :
BNA_F
ClientSampleId :
D-4050

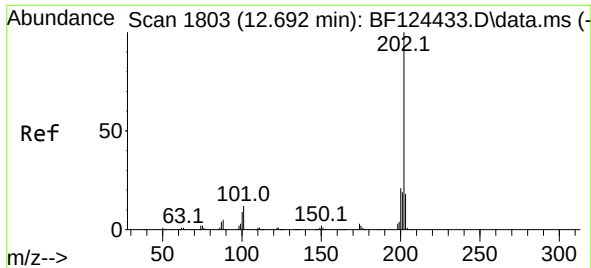
Tgt Ion:202 Resp: 213113
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.9
203 19.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.845 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:240 Resp: 72689
Ion Ratio Lower Upper
240 100
120 10.1 7.2 10.8
236 27.7 19.0 28.4

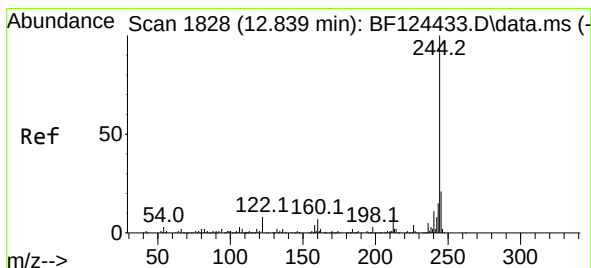
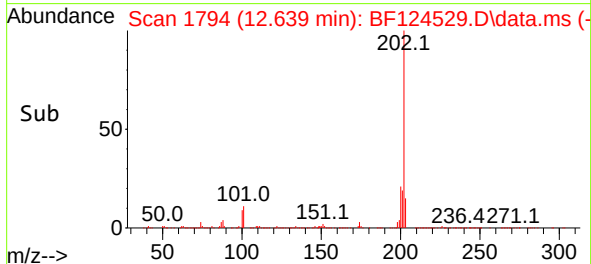
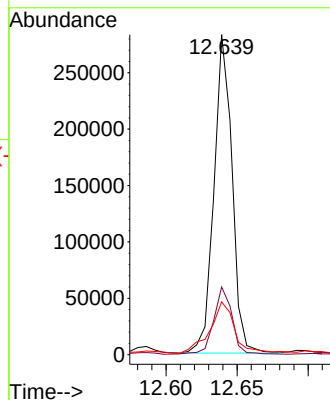
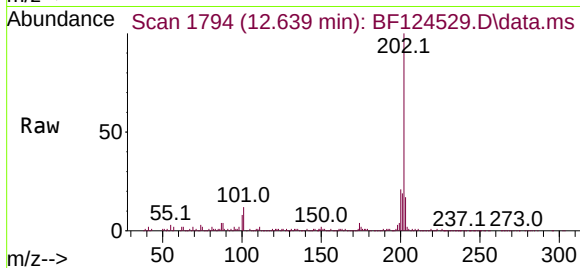




#78
Pyrene
Concen: 37.75 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

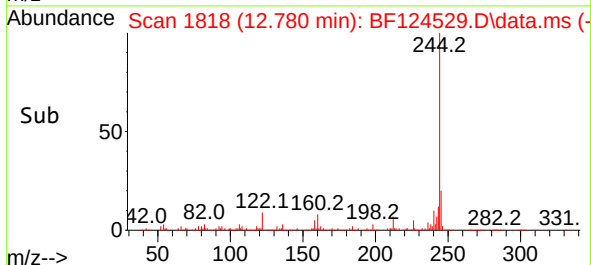
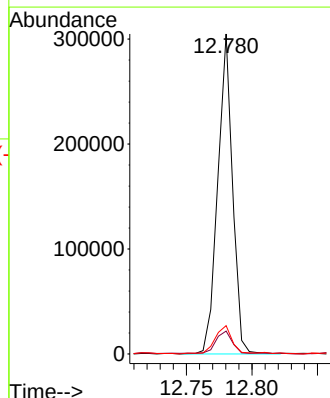
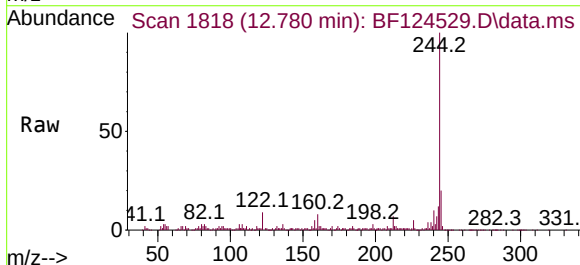
Instrument :
BNA_F
ClientSampleId :
D-4050

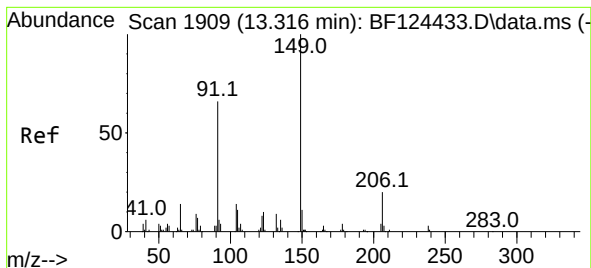
Tgt Ion:	202	Resp:	250480
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.1	24.1
203	16.5	14.8	22.2



#79
Terphenyl-d14
Concen: 49.26 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:	244	Resp:	239047
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.7	8.5
122	8.8	9.7	14.5





#80

Butylbenzylphthalate

Concen: 2.52 ng

RT: 13.251 min Scan# 1898

Delta R.T. 0.000 min

Lab File: BF124529.D

Acq: 2 Jul 2021 21:09

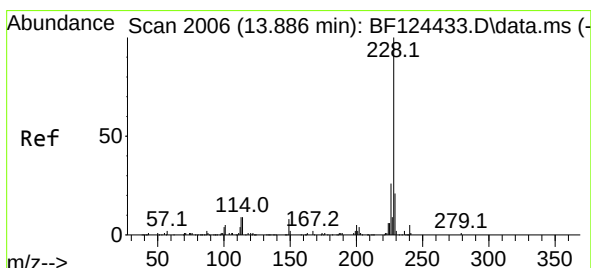
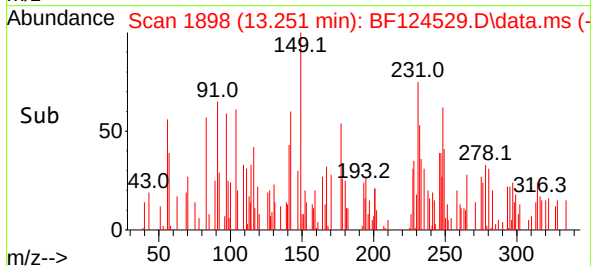
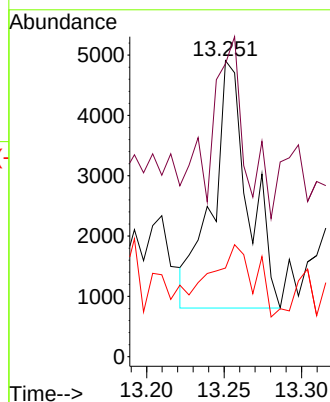
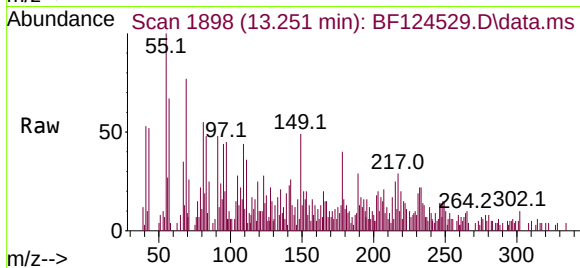
Instrument :

BNA_F

ClientSampleId :

D-4050

Tgt Ion:149	Resp:	6642
Ion Ratio	Lower	Upper
149	100	
91	98.9	63.6 95.4#
206	29.9	14.5 21.7#



#81

Benzo(a)anthracene

Concen: 22.06 ng

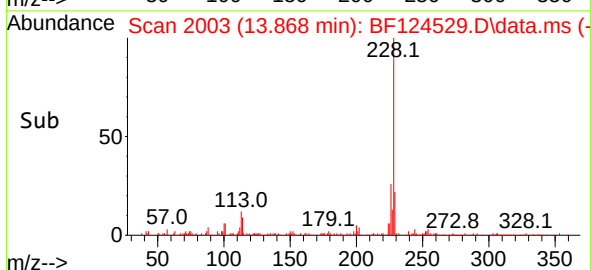
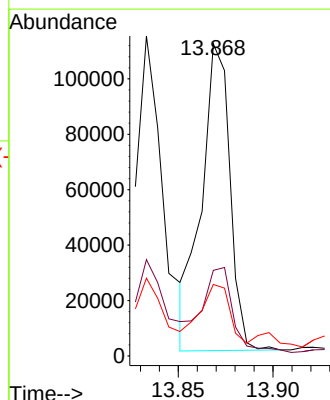
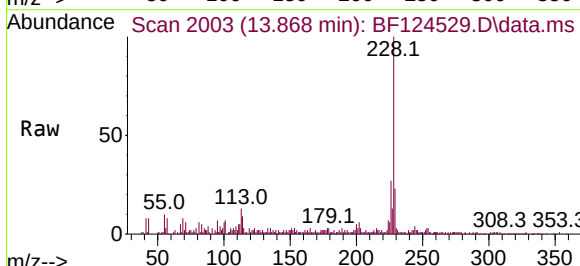
RT: 13.868 min Scan# 2003

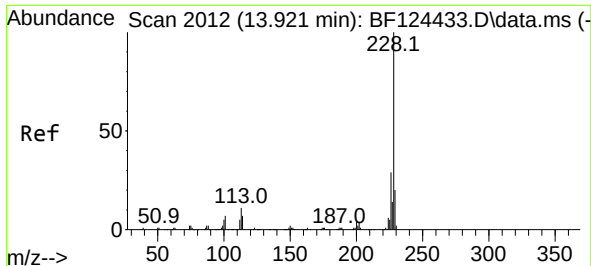
Delta R.T. 0.041 min

Lab File: BF124529.D

Acq: 2 Jul 2021 21:09

Tgt Ion:228	Resp:	115634
Ion Ratio	Lower	Upper
228	100	
226	27.4	22.4 33.6
229	22.9	16.0 24.0

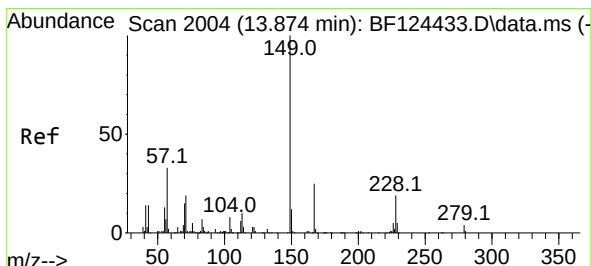
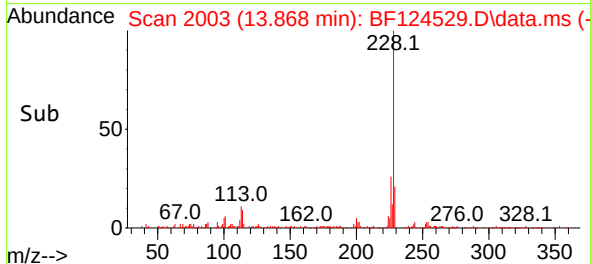
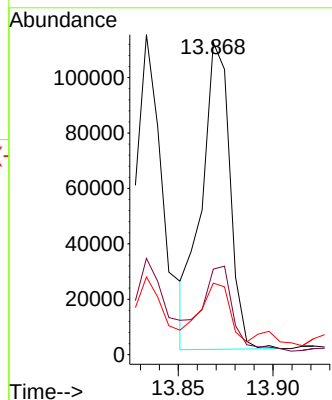
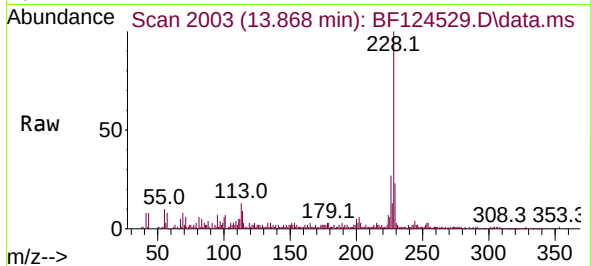




#83
Chrysene
Concen: 22.27 ng
RT: 13.868 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

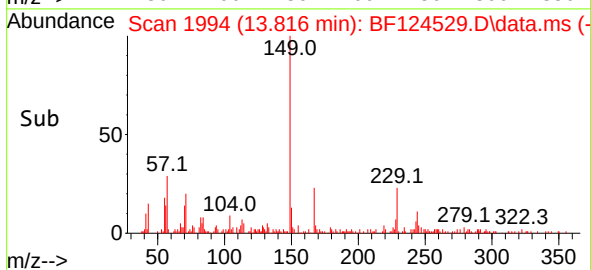
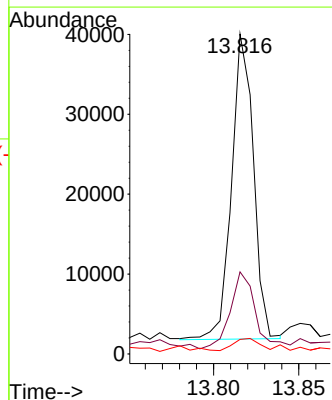
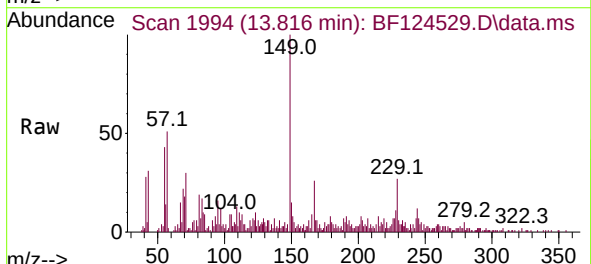
Instrument :
BNA_F
ClientSampleId :
D-4050

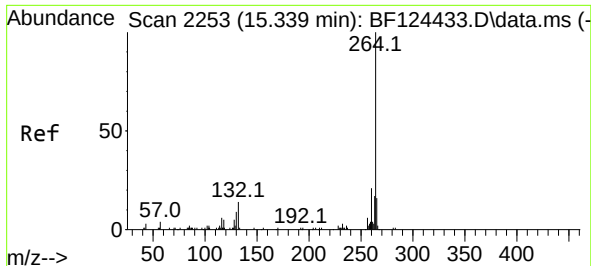
Tgt Ion:228 Resp: 115634
Ion Ratio Lower Upper
228 100
226 27.4 24.3 36.5
229 22.9 16.2 24.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.64 ng
RT: 13.816 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:149 Resp: 34044
Ion Ratio Lower Upper
149 100
167 25.6 21.8 32.6
279 4.5 3.3 4.9

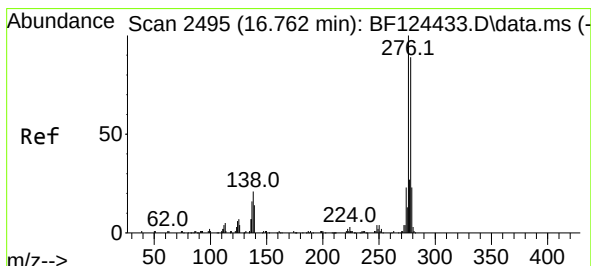
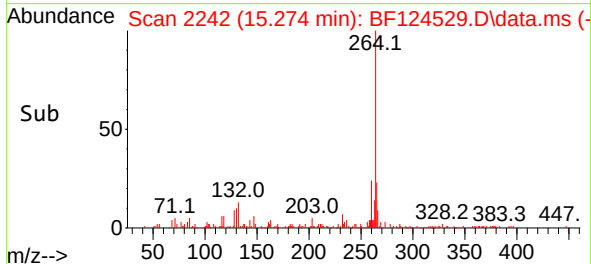
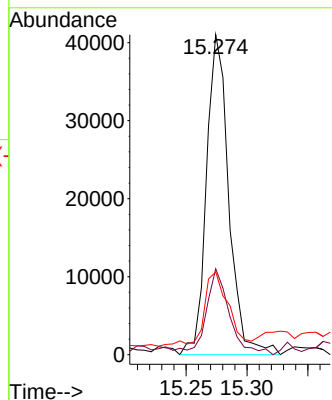
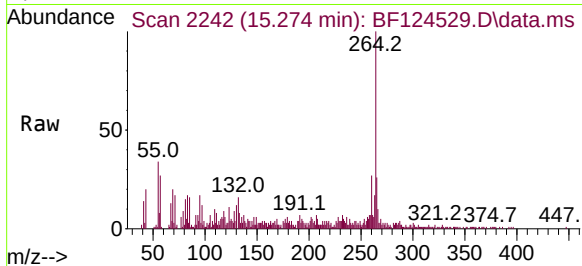




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.012 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

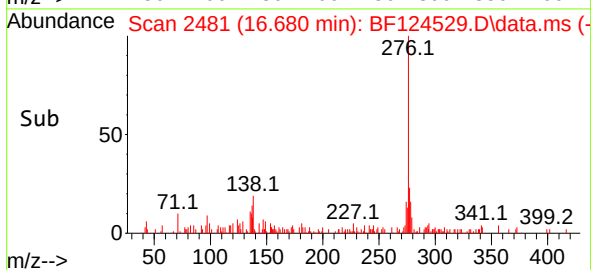
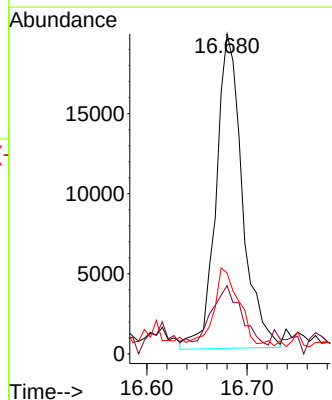
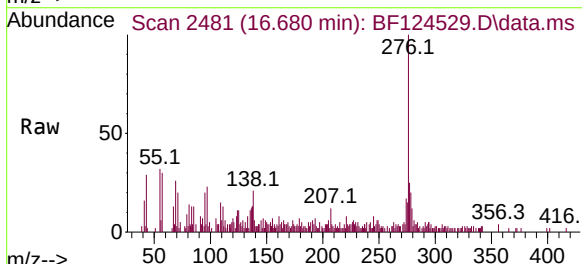
Instrument :
BNA_F
ClientSampleId :
D-4050

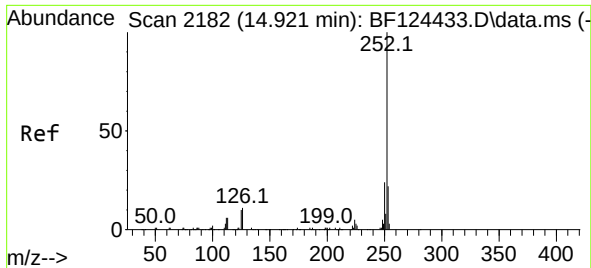
Tgt Ion:	264	Resp:	52335
Ion Ratio	Lower	Upper	
264	100		
260	26.9	18.7	28.1
265	25.8	17.8	26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.65 ng
RT: 16.680 min Scan# 2481
Delta R.T. 0.029 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:	276	Resp:	35703
Ion Ratio	Lower	Upper	
276	100		
138	20.8	16.2	24.2
277	25.4	20.1	30.1

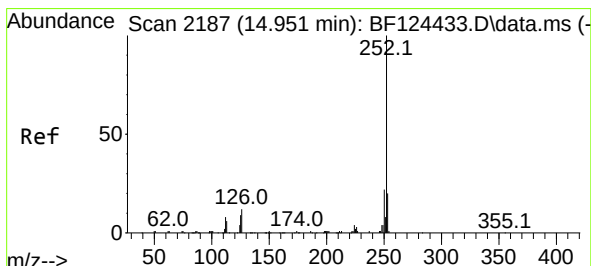
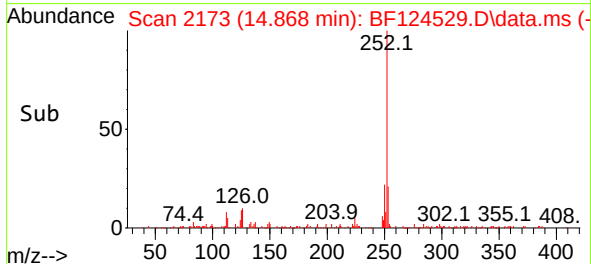
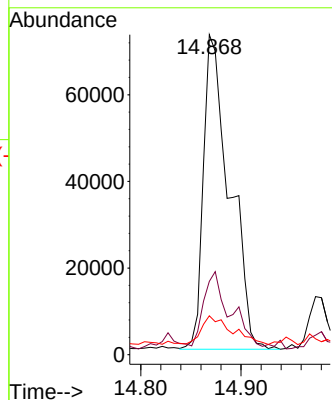
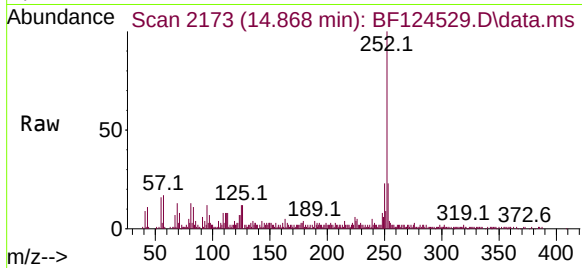




#88
Benzo(b)fluoranthene
Concen: 33.32 ng
RT: 14.868 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

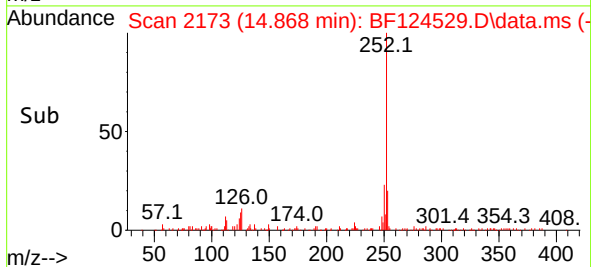
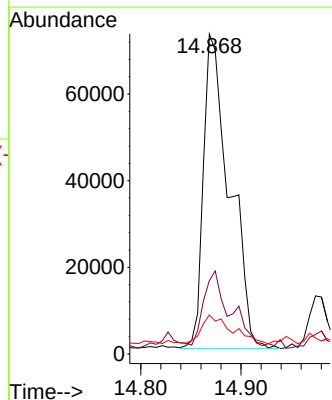
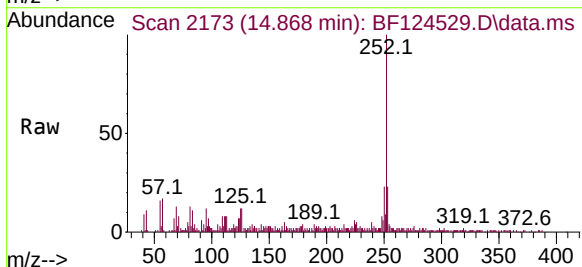
Instrument :
BNA_F
ClientSampleId :
D-4050

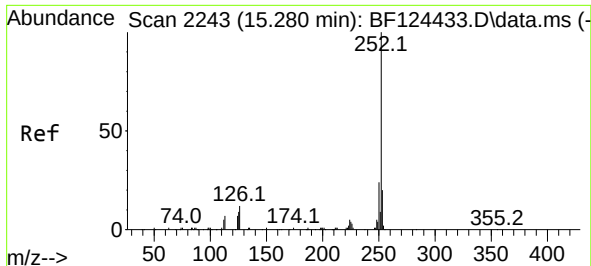
Tgt Ion:252 Resp: 132124
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 12.2 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 36.42 ng
RT: 14.868 min Scan# 2173
Delta R.T. -0.018 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:252 Resp: 132124
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 12.2 7.0 10.6#

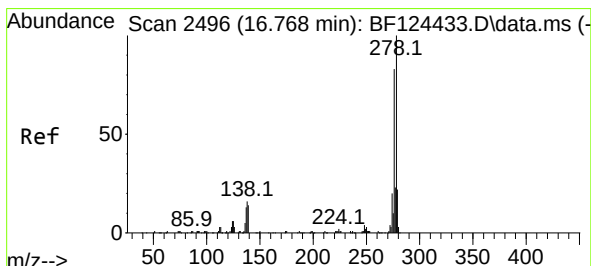
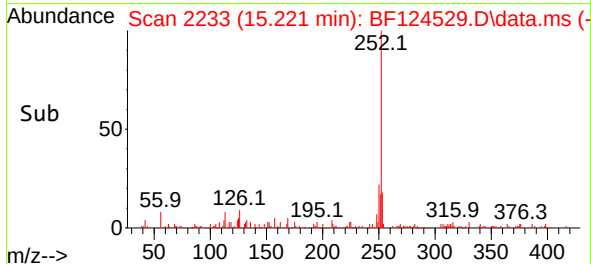
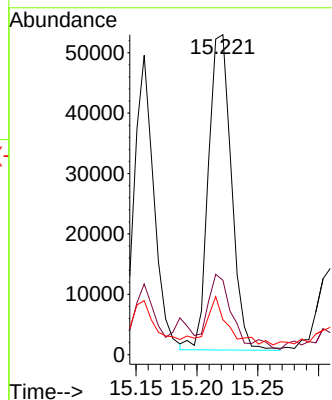
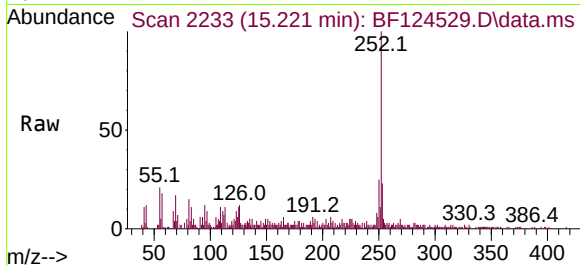




#90
Benzo(a)pyrene
Concen: 19.55 ng
RT: 15.221 min Scan# 2233
Delta R.T. 0.018 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

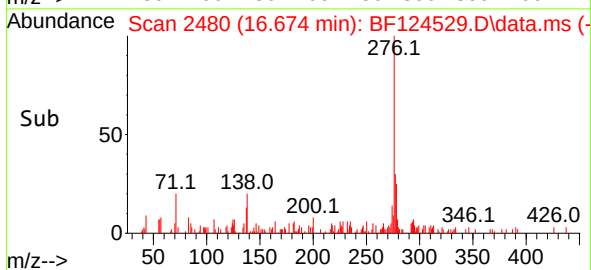
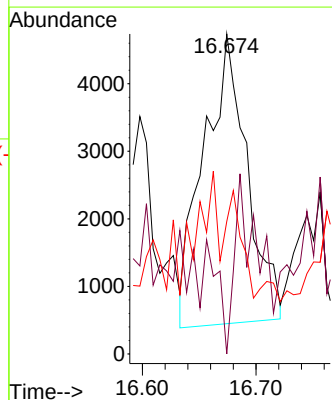
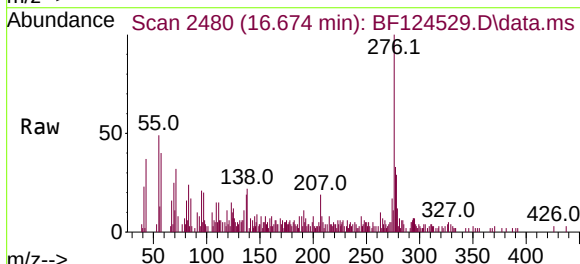
Instrument :
BNA_F
ClientSampleId :
D-4050

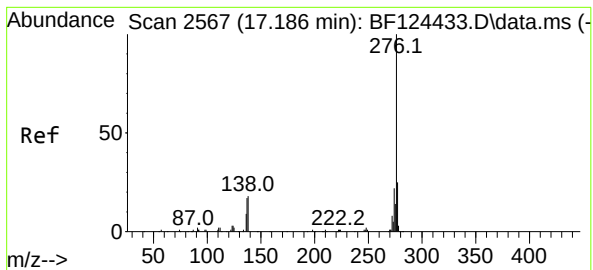
Tgt Ion:252 Resp: 68886
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 10.9 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 3.20 ng
RT: 16.674 min Scan# 2480
Delta R.T. 0.024 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:278 Resp: 11382
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 41.4 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 11.42 ng
 RT: 17.104 min Scan# 2553
 Delta R.T. 0.035 min
 Lab File: BF124529.D
 Acq: 2 Jul 2021 21:09

Instrument :
 BNA_F
 ClientSampleId :
 D-4050

Tgt Ion:	276	Resp:	39944
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.2	27.2
138	22.2	13.8	20.6#

