

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127931.D
 Acq On : 27 Apr 2022 00:03
 Operator : CG\JU
 Sample : N2502-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C1

Quant Time: Apr 27 01:49:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

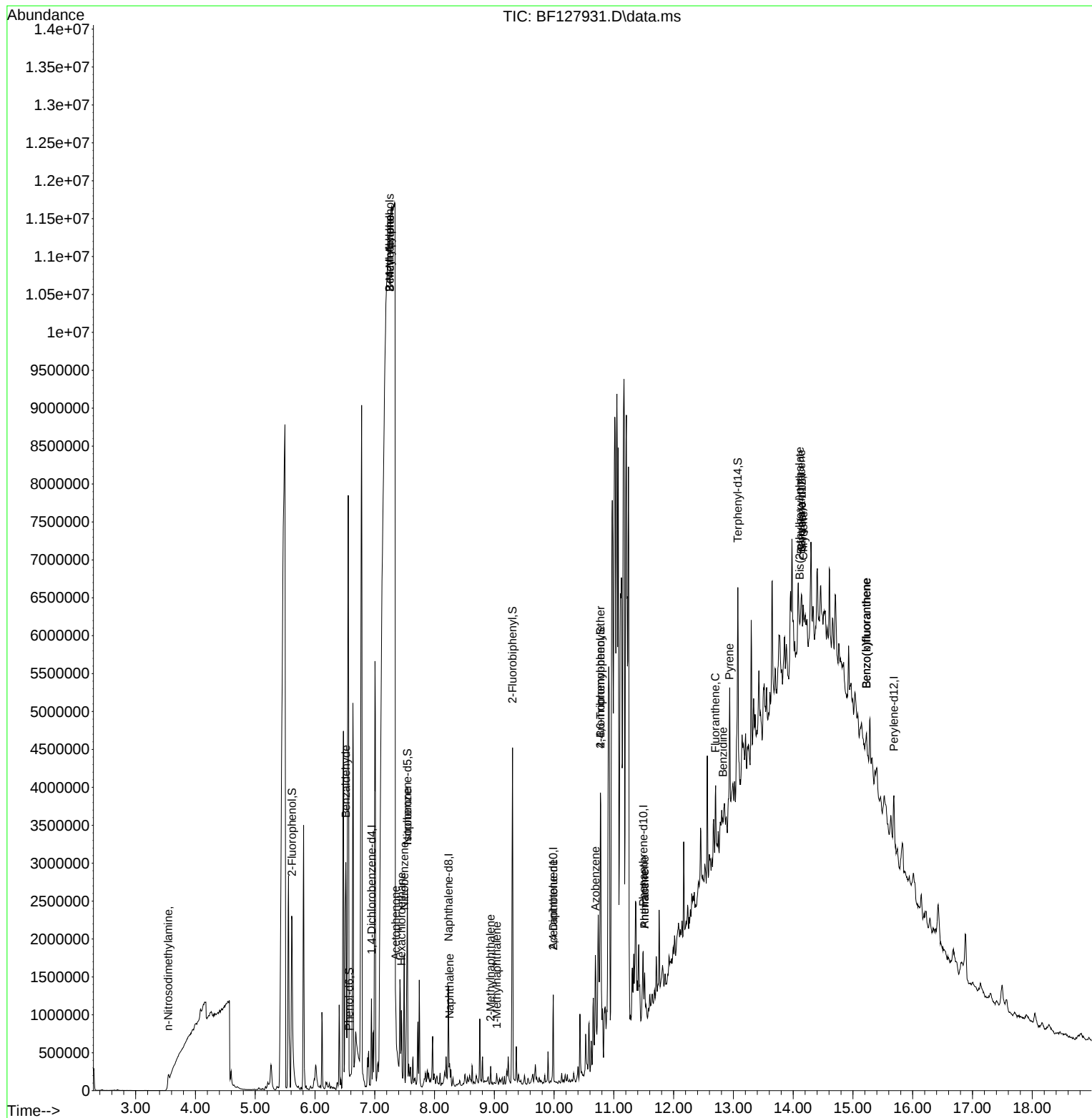
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	133477	20.000	ng	0.00
21) Naphthalene-d8	8.233	136	476478	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	232294	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	320775	20.000	ng	0.02
76) Chrysene-d12	14.145	240	182020	20.000	ng	# 0.02
86) Perylene-d12	15.686	264	149553	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	1078378	128.683	ng	0.05
7) Phenol-d6	6.575	99	83119	7.644	ng	0.00
23) Nitrobenzene-d5	7.545	82	901676	88.987	ng	0.04
42) 2,4,6-Tribromophenol	10.775	330	237998	101.777	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1358720	98.952	ng	0.00
79) Terphenyl-d14	13.074	244	984033	98.855	ng	0.01
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.546	42	11759	2.371	ng	# 1
9) Benzaldehyde	6.516	77	533241	79.270	ng	93
15) Benzyl Alcohol	7.251	79	22032019	2979.510	ng	99
17) 2-Methylphenol	7.251	107	10941780	1458.039	ng	# 14
18) Hexachloroethane	7.445	117	19510	5.310	ng	# 1
20) 3+4-Methylphenols	7.251	107	10941472	1206.939	ng	# 21
22) Acetophenone	7.351	105	193066	16.625	ng	# 74
24) Nitrobenzene	7.492	77	54190	5.550	ng	# 22
25) Isophorone	7.545	82	901676	52.872	ng	# 68
31) Naphthalene	8.251	128	77885	3.209	ng	98
37) 2-Methylnaphthalene	8.939	142	60840	3.793	ng	99
38) 1-Methylnaphthalene	9.039	142	33210	2.130	ng	96
57) 2,4-Dinitrotoluene	9.986	165	30856	6.906	ng	# 26
63) Azobenzene	10.692	77	42731	2.542	ng	74
67) 4-Bromophenyl-phenylether	10.775	248	14753	4.149	ng	# 1
71) Phenanthrene	11.516	178	162765	9.694	ng	98
72) Anthracene	11.516	178	162765	9.731	ng	99
75) Fluoranthene	12.698	202	241856	13.686	ng	98
77) Benzidine	12.827	184	13002	3.775	ng	# 8
78) Pyrene	12.933	202	170920	11.632	ng	97
81) Benzo(a)anthracene	14.133	228	43634	3.597	ng	# 78
83) Chrysene	14.168	228	132598	11.444	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.110	149	58676	7.683	ng	# 82
88) Benzo(b)fluoranthene	15.227	252	87763	9.343	ng	# 11
89) Benzo(k)fluoranthene	15.227	252	87763	9.274	ng	# 11

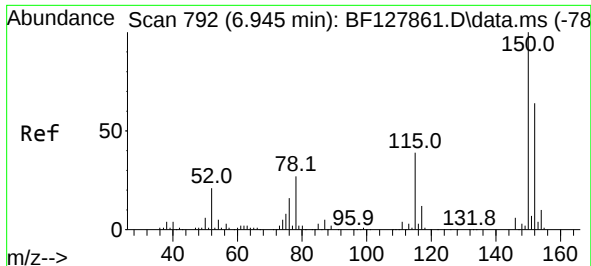
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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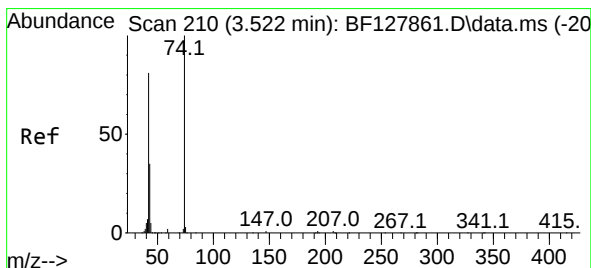
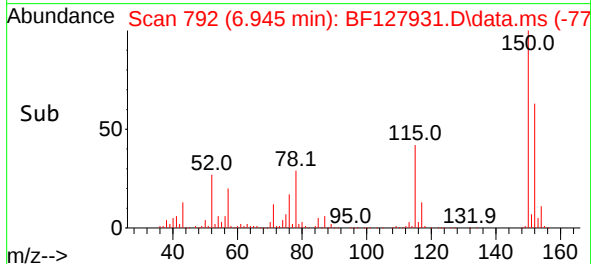
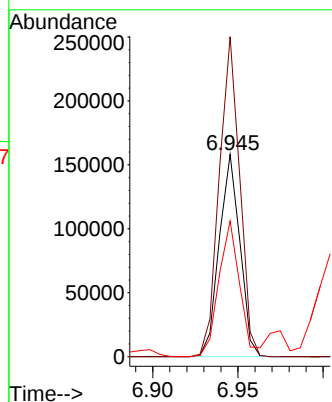
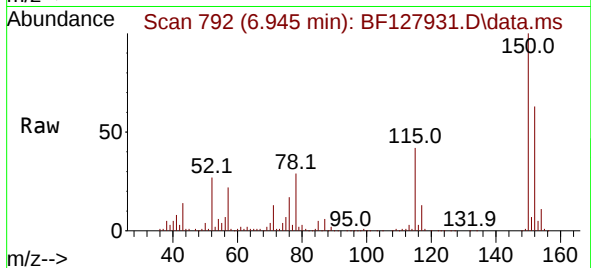




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

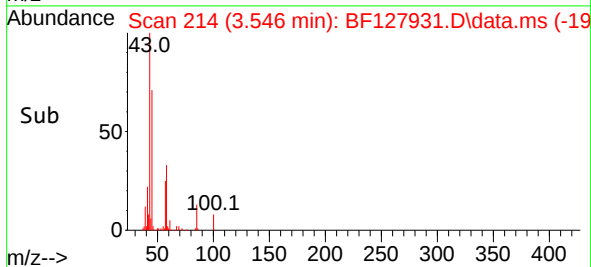
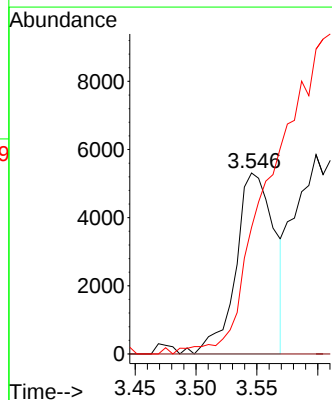
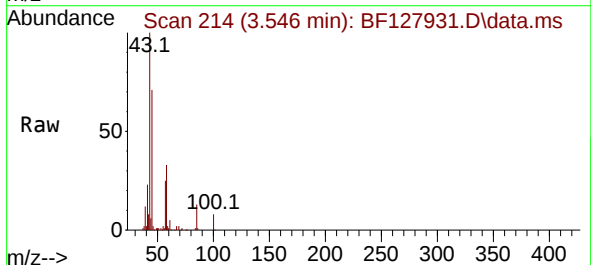
Instrument :
BNA_F
ClientSampleId :
C1

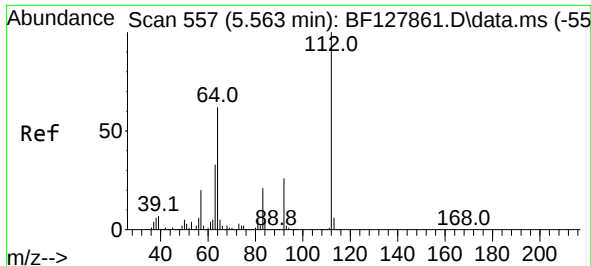
Tgt Ion:152 Resp: 133477
Ion Ratio Lower Upper
152 100
150 158.2 125.3 187.9
115 67.1 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 2.371 ng
RT: 3.546 min Scan# 214
Delta R.T. 0.023 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion: 42 Resp: 11759
Ion Ratio Lower Upper
42 100
74 0.0 99.0 148.4#
44 70.0 5.2 7.8#

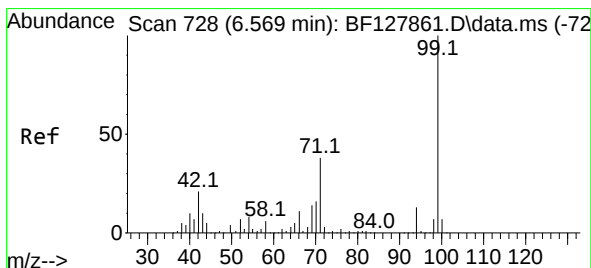
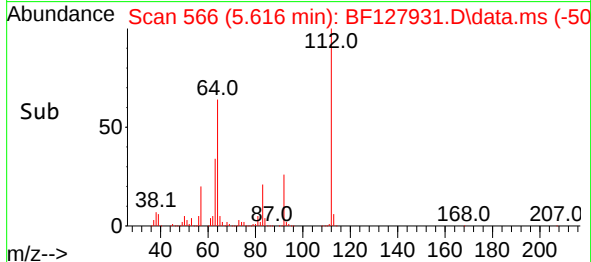
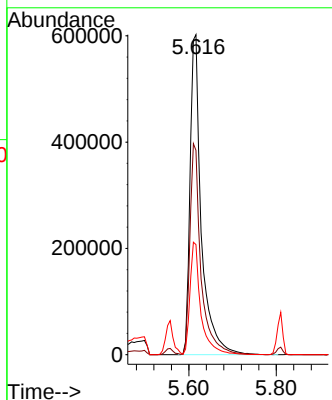
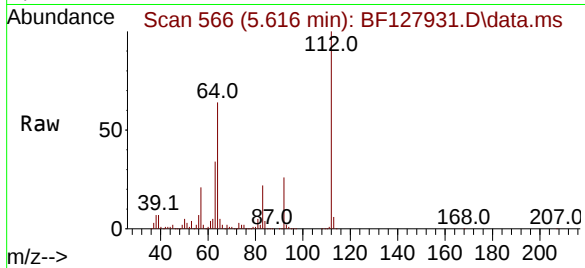




#5
2-Fluorophenol
Concen: 128.683 ng
RT: 5.616 min Scan# 50
Delta R.T. 0.053 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

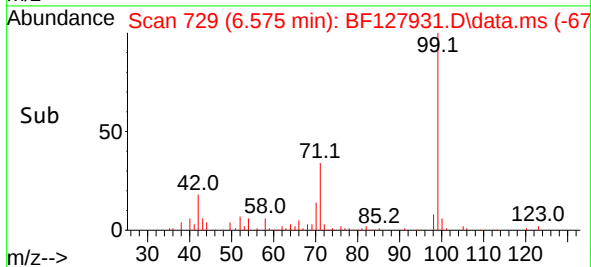
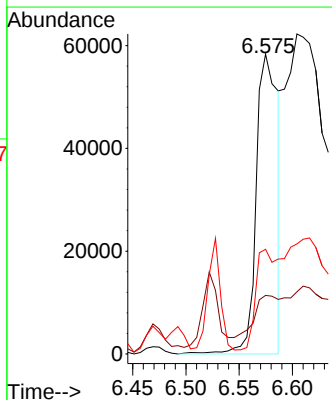
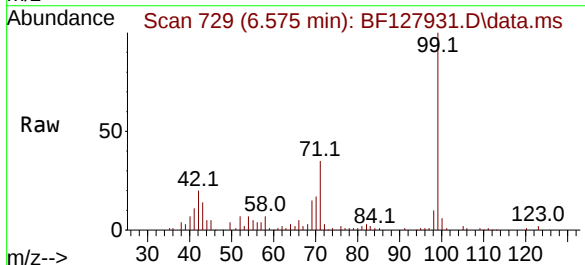
Instrument :
BNA_F
ClientSampleId :
C1

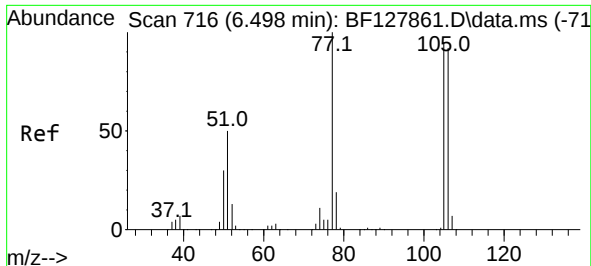
Tgt Ion:112 Resp: 1078378
Ion Ratio Lower Upper
112 100
64 63.9 49.5 74.3
63 34.4 26.3 39.5



#7
Phenol-d6
Concen: 7.644 ng
RT: 6.575 min Scan# 729
Delta R.T. 0.006 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion: 99 Resp: 83119
Ion Ratio Lower Upper
99 100
42 19.5 16.6 24.8
71 34.9 30.0 45.0

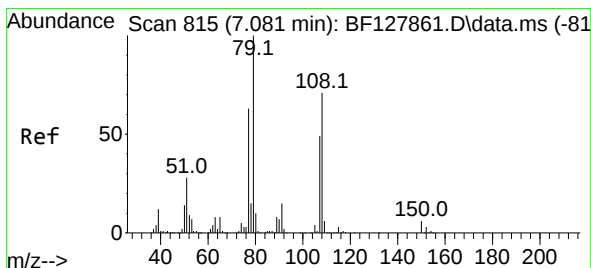
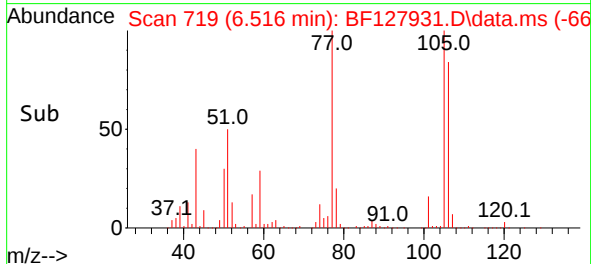
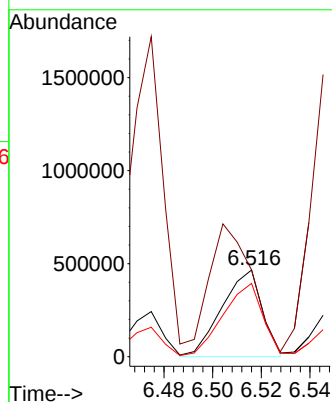
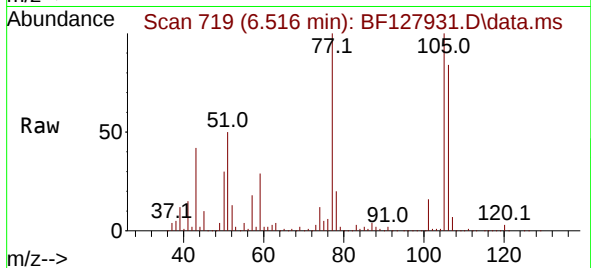




#9
Benzaldehyde
Concen: 79.270 ng
RT: 6.516 min Scan# 716
Delta R.T. 0.018 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

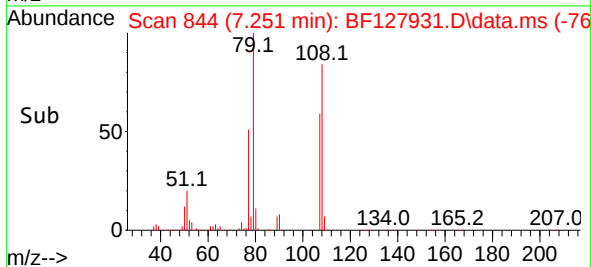
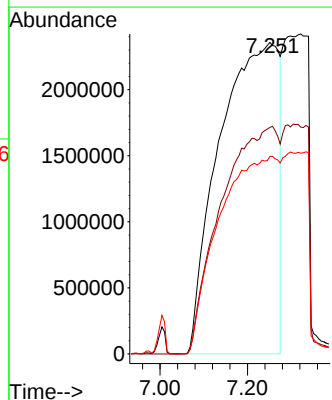
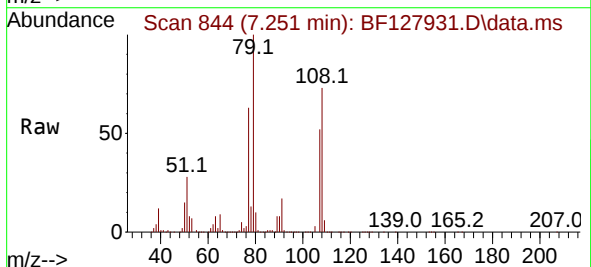
Instrument :
BNA_F
ClientSampleId :
C1

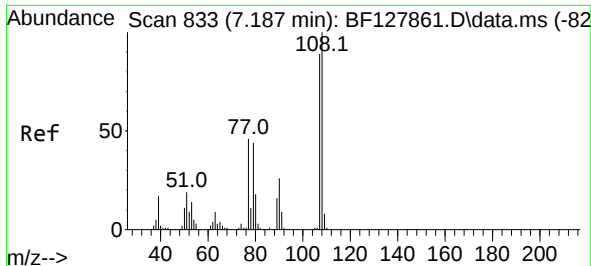
Tgt Ion: 77 Resp: 533241
Ion Ratio Lower Upper
77 100
105 100.0 74.9 114.9
106 84.5 72.2 112.2



#15
Benzyl Alcohol
Concen: 2979.510 ng
RT: 7.251 min Scan# 844
Delta R.T. 0.171 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion: 79 Resp: 22032019
Ion Ratio Lower Upper
79 100
108 72.8 57.0 85.6
77 63.4 50.2 75.4





#17

2-Methylphenol

Concen: 1458.039 ng

RT: 7.251 min Scan# 844

Delta R.T. 0.065 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

Instrument :

BNA_F

ClientSampleId :

C1

Tgt Ion:107 Resp:10941780

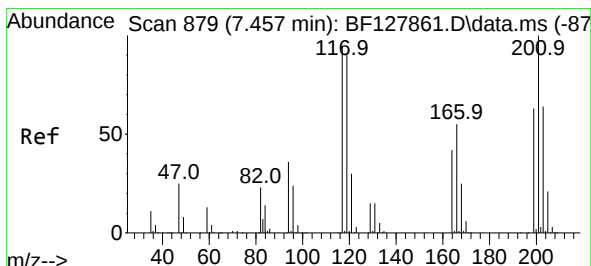
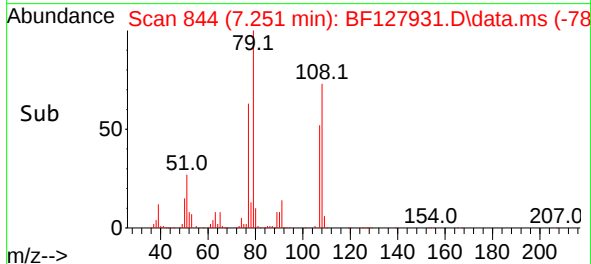
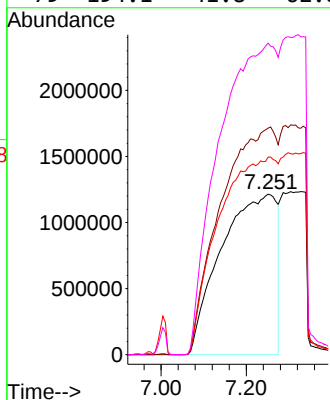
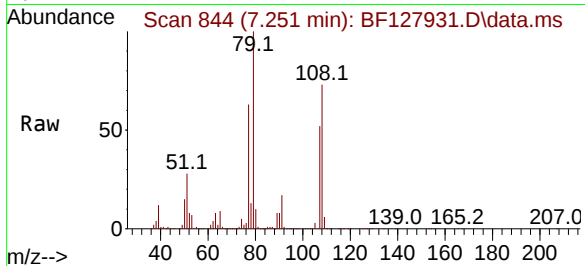
Ion Ratio Lower Upper

107 100

108 141.2 90.2 135.2#

77 123.1 41.9 62.9#

79 194.1 41.8 62.8#



#18

Hexachloroethane

Concen: 5.310 ng

RT: 7.445 min Scan# 877

Delta R.T. -0.012 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

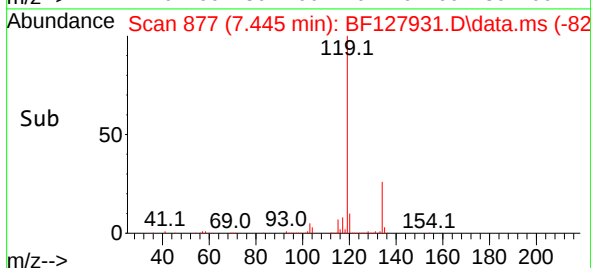
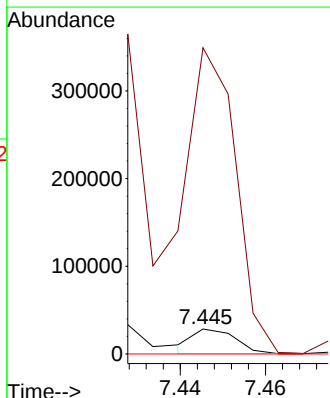
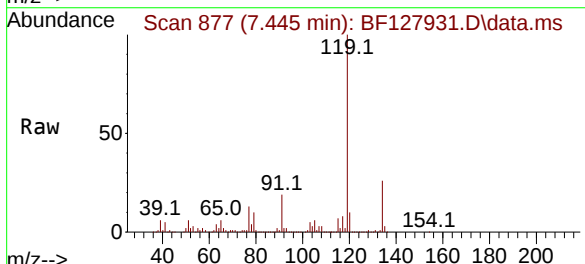
Tgt Ion:117 Resp: 19510

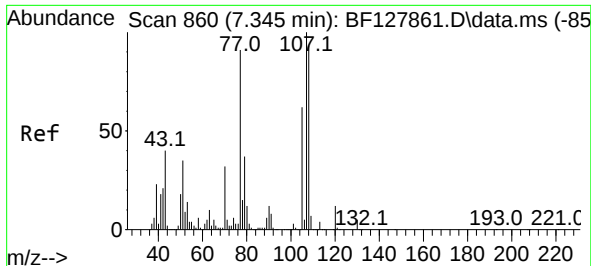
Ion Ratio Lower Upper

117 100

119 1224.2 76.2 114.4#

201 0.0 84.4 126.6#

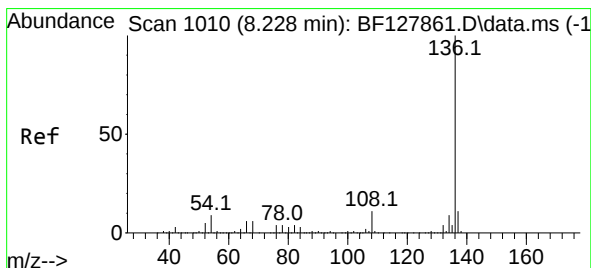
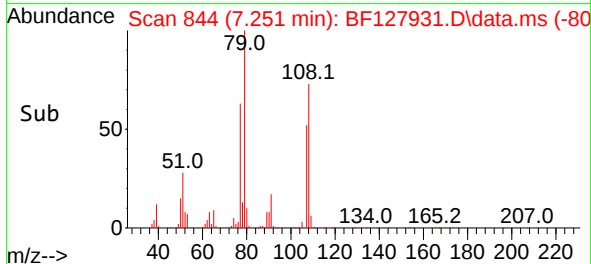
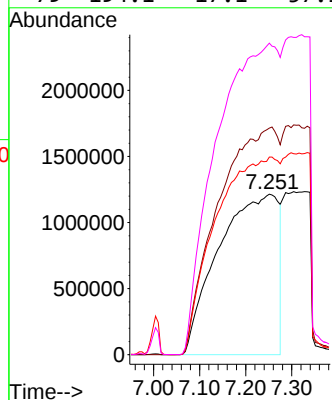
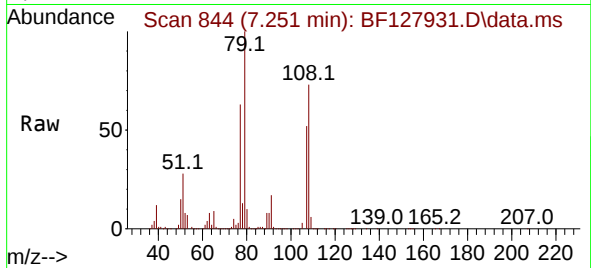




#20
3+4-Methylphenols
Concen: 1206.939 ng
RT: 7.251 min Scan# 84
Delta R.T. -0.094 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

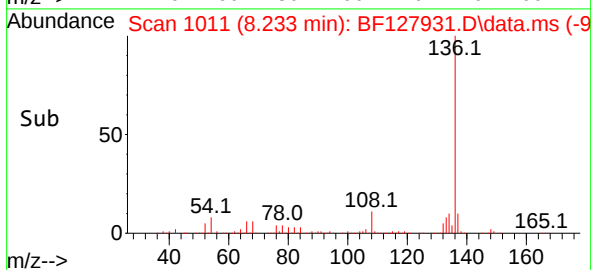
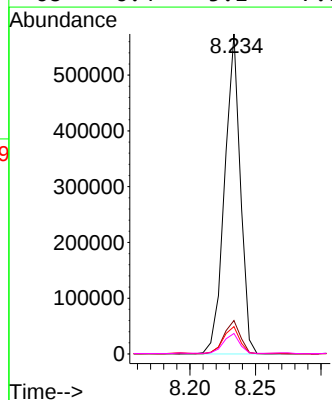
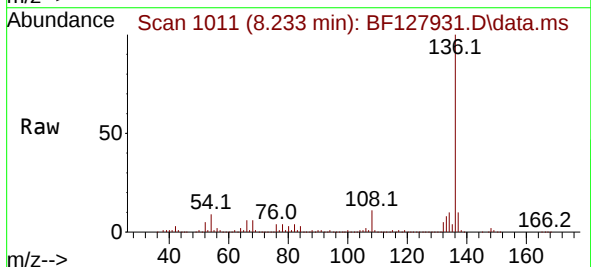
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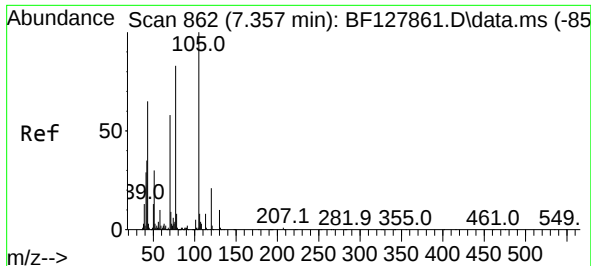
Tgt Ion:107 Resp:10941472
Ion Ratio Lower Upper
107 100
108 141.2 73.4 113.4#
77 123.1 71.1 111.1#
79 194.1 17.1 57.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.233 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion:136 Resp: 476478
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.6 6.8 10.2
68 6.4 5.1 7.7

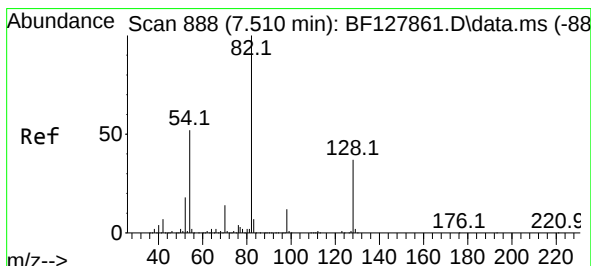
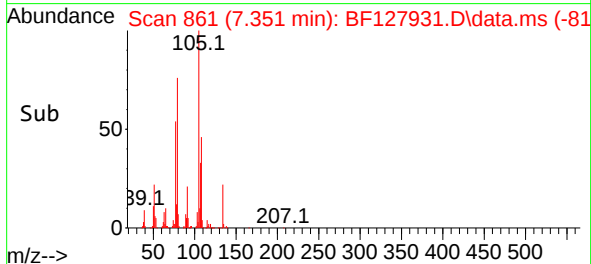
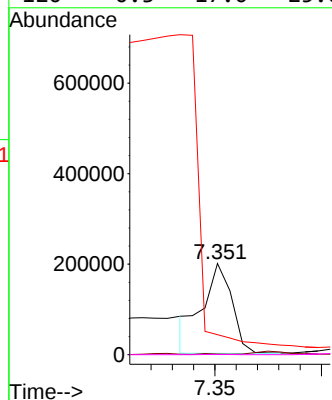
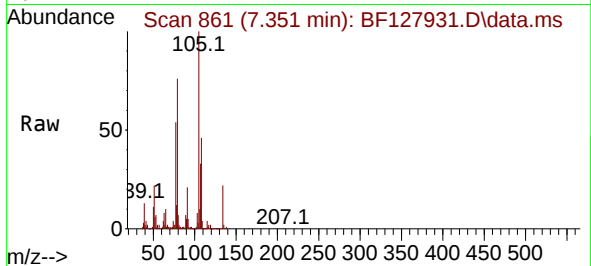




#22
Acetophenone
Concen: 16.625 ng
RT: 7.351 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

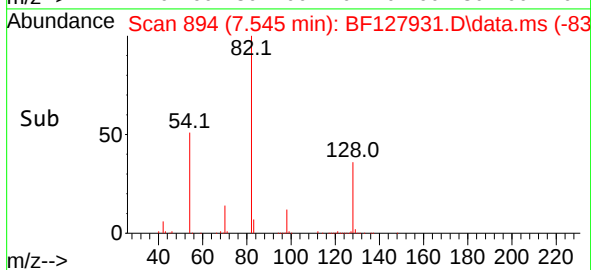
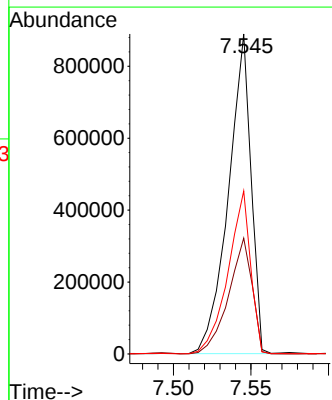
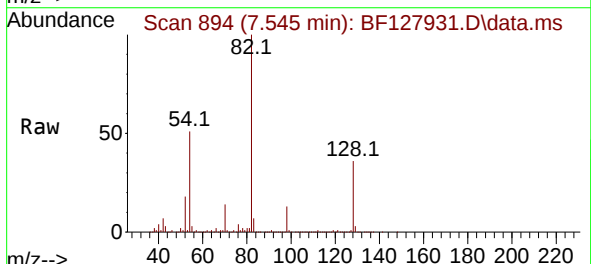
Instrument :
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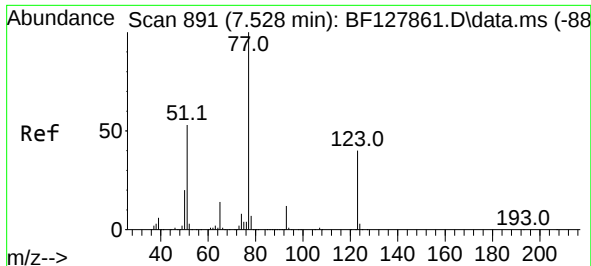
Tgt Ion:105 Resp: 193066
Ion Ratio Lower Upper
105 100
71 0.7 7.3 10.9#
51 22.0 23.7 35.5#
120 0.3 17.0 25.6#



#23
Nitrobenzene-d5
Concen: 88.987 ng
RT: 7.545 min Scan# 894
Delta R.T. 0.035 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion: 82 Resp: 901676
Ion Ratio Lower Upper
82 100
128 36.2 30.0 45.0
54 51.0 41.3 61.9

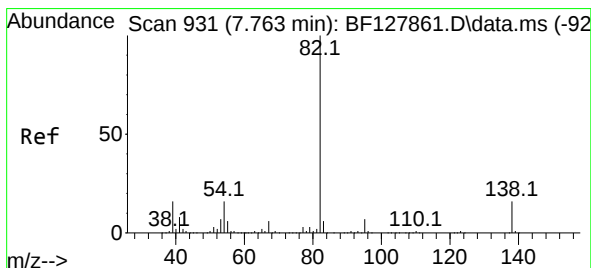
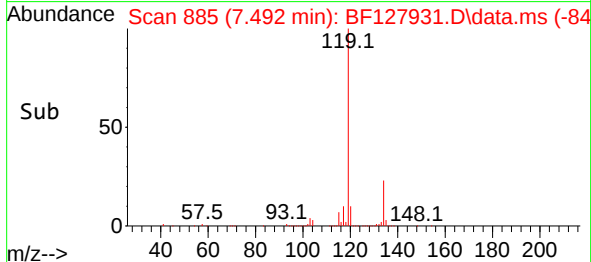
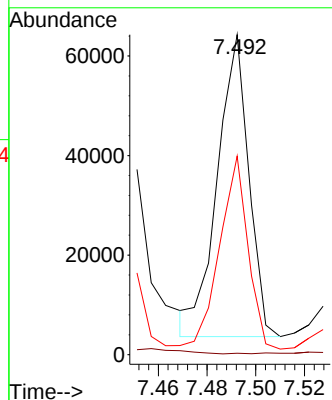
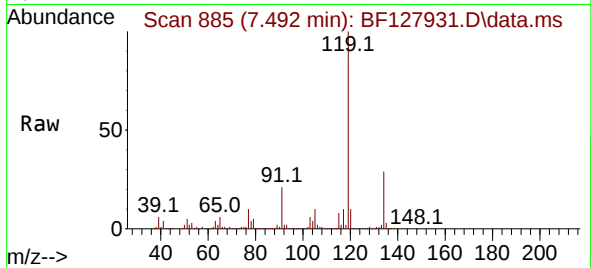




#24
Nitrobenzene
Concen: 5.550 ng
RT: 7.492 min Scan# 891
Delta R.T. -0.035 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

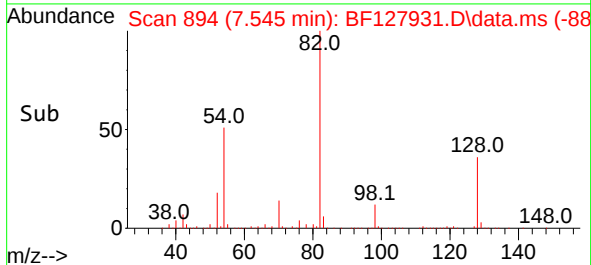
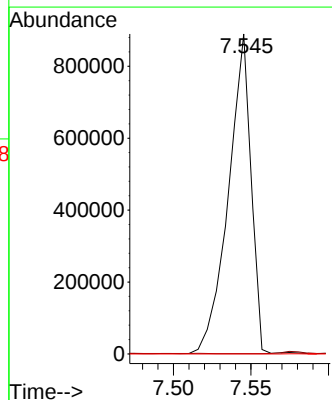
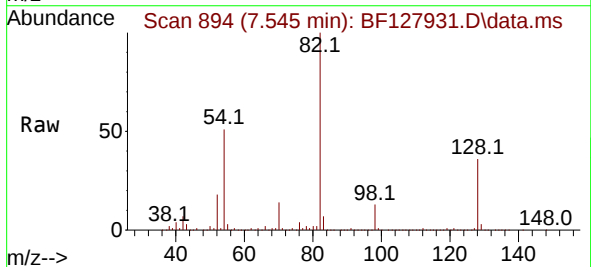
Instrument :
BNA_F
ClientSampleId :
C1

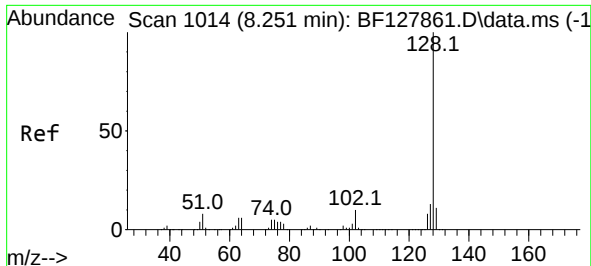
Tgt Ion: 77 Resp: 54190
Ion Ratio Lower Upper
77 100
123 0.5 32.0 48.0#
65 62.0 11.0 16.6#



#25
Isophorone
Concen: 52.872 ng
RT: 7.545 min Scan# 894
Delta R.T. -0.218 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion: 82 Resp: 901676
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#

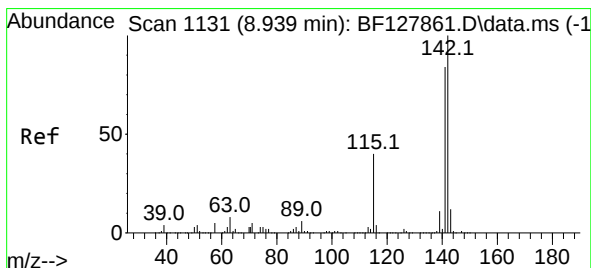
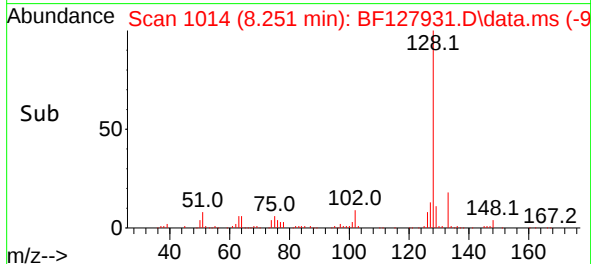
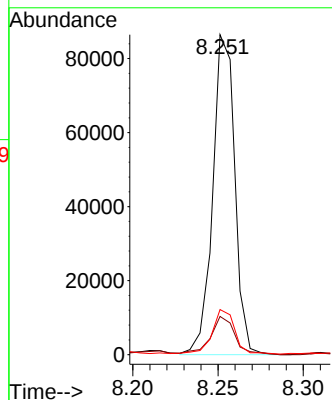
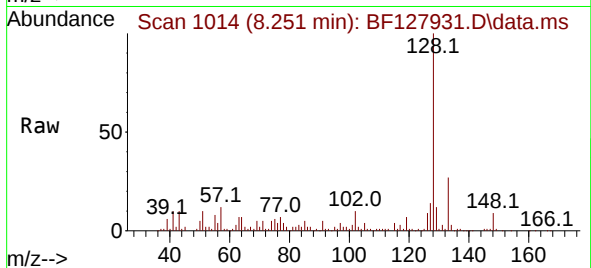




#31
Naphthalene
Concen: 3.209 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

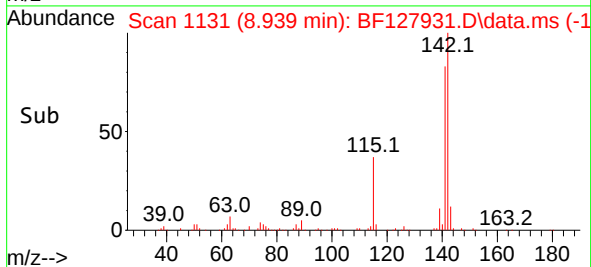
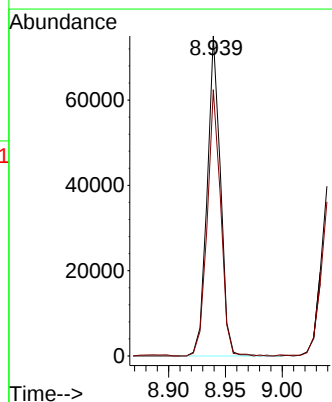
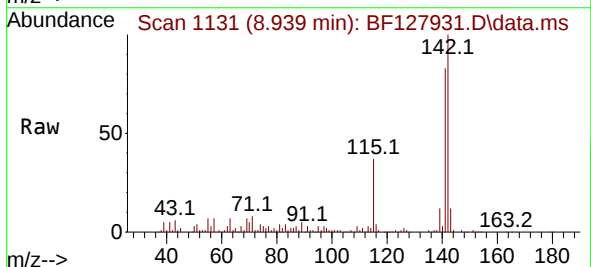
Instrument :
BNA_F
ClientSampleId :
C1

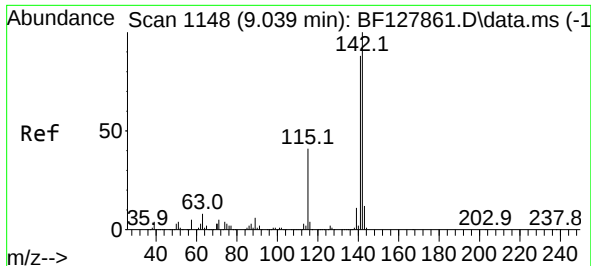
Tgt Ion:128 Resp: 77885
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.4
127 14.1 10.6 16.0



#37
2-Methylnaphthalene
Concen: 3.793 ng
RT: 8.939 min Scan# 1131
Delta R.T. -0.000 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion:142 Resp: 60840
Ion Ratio Lower Upper
142 100
141 83.2 67.4 101.2





#38

1-Methylnaphthalene

Concen: 2.130 ng

RT: 9.039 min Scan# 1148

Delta R.T. -0.000 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

Instrument :

BNA_F

ClientSampleId :

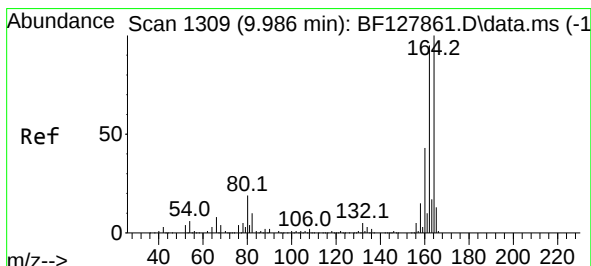
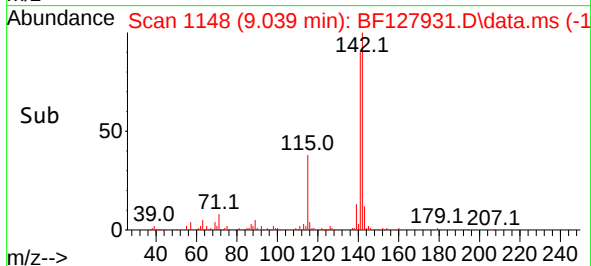
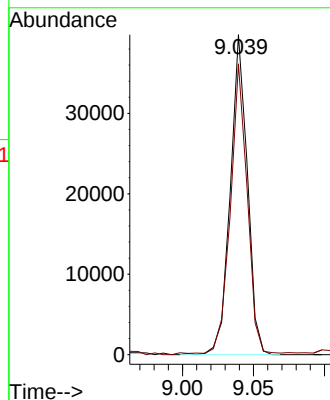
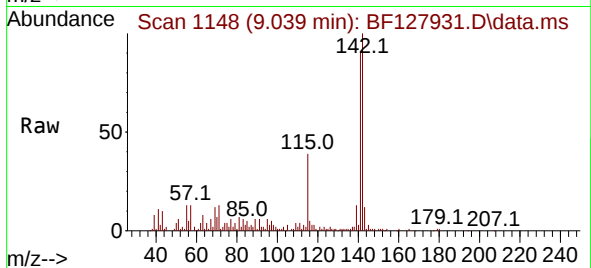
C1

Tgt Ion:142 Resp: 33210

Ion Ratio Lower Upper

142 100

141 90.9 70.1 105.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.986 min Scan# 1309

Delta R.T. -0.000 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

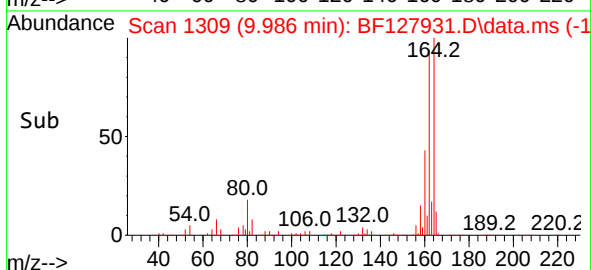
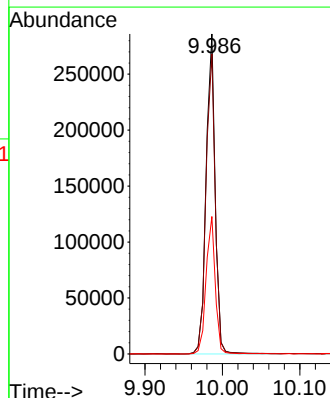
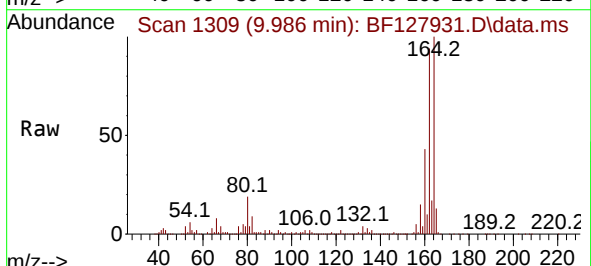
Tgt Ion:164 Resp: 232294

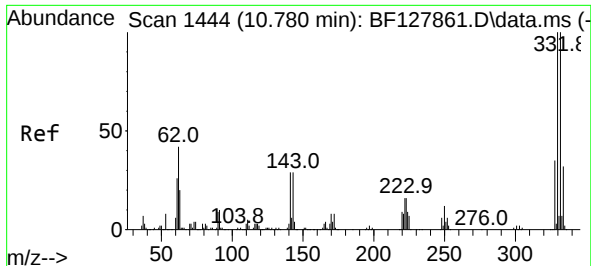
Ion Ratio Lower Upper

164 100

162 93.8 76.0 114.0

160 42.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 101.777 ng

RT: 10.775 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

Instrument :

BNA_F

ClientSampleId :

C1

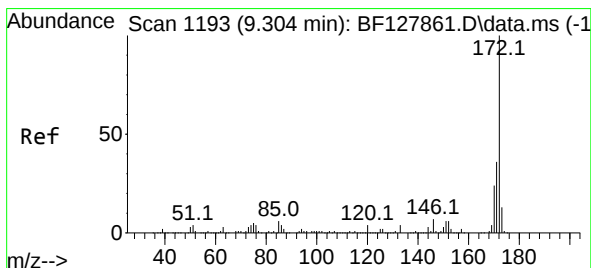
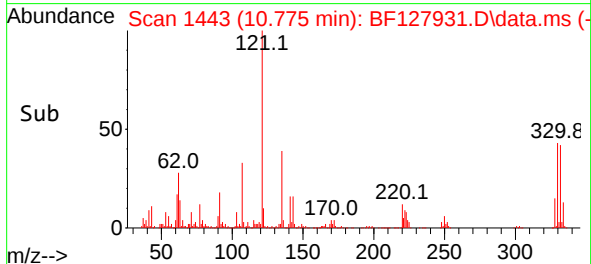
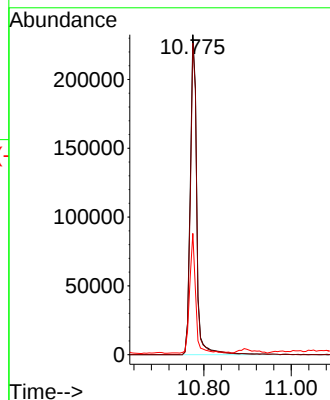
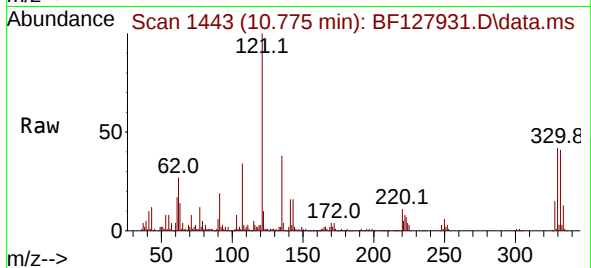
Tgt Ion:330 Resp: 237998

Ion Ratio Lower Upper

330 100

332 95.2 79.0 118.4

141 34.9 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 98.952 ng

RT: 9.304 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

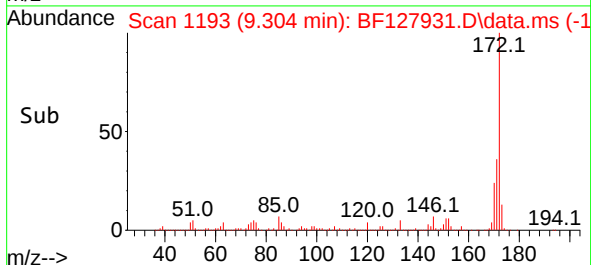
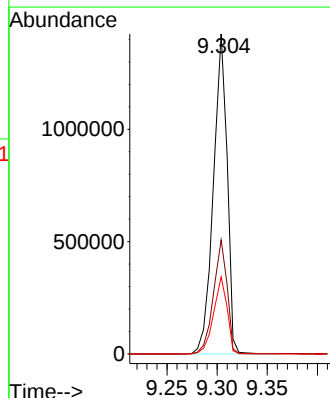
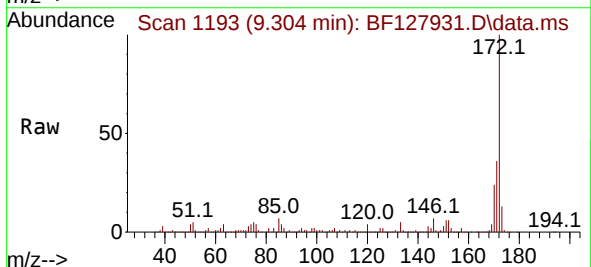
Tgt Ion:172 Resp: 1358720

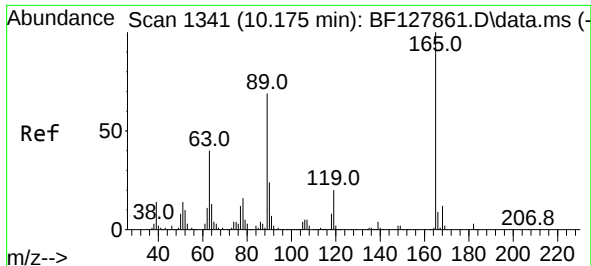
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 24.1 19.1 28.7

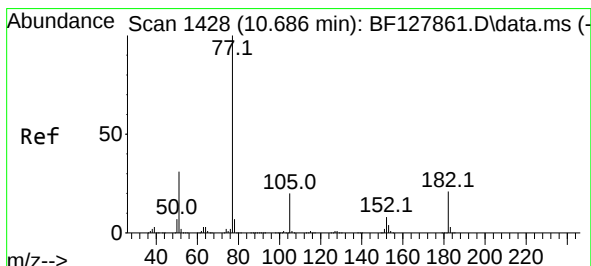
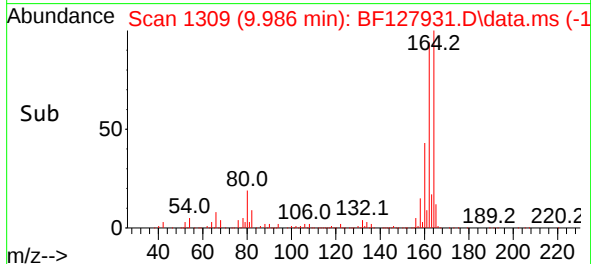
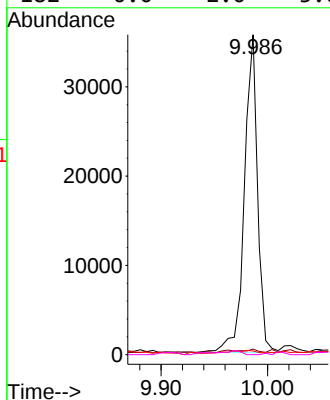
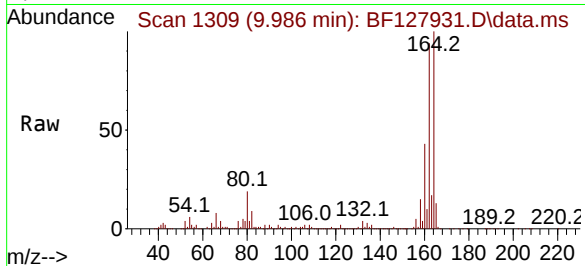




#57
2,4-Dinitrotoluene
Concen: 6.906 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

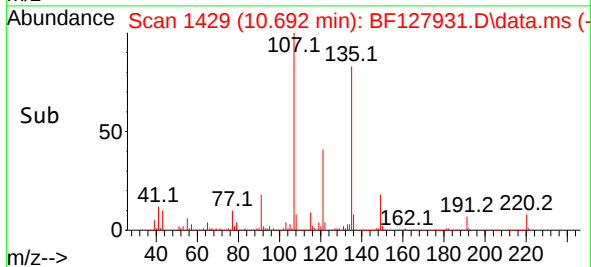
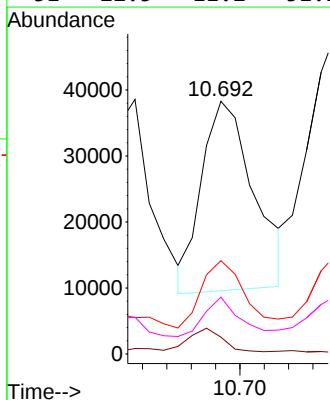
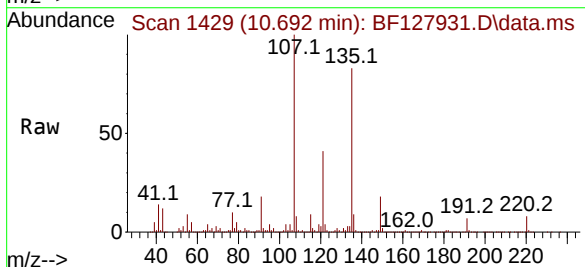
Instrument :
BNA_F
ClientSampleId :
C1

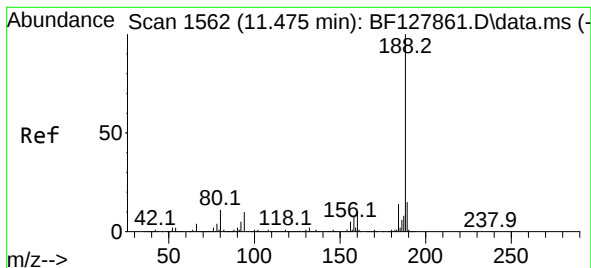
Tgt Ion:165 Resp: 30856
Ion Ratio Lower Upper
165 100
63 1.8 32.6 49.0#
89 1.1 55.2 82.8#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 2.542 ng
RT: 10.692 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion: 77 Resp: 42731
Ion Ratio Lower Upper
77 100
182 6.6 1.2 41.2
105 36.9 0.0 39.8
51 22.5 11.2 51.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

Instrument :

BNA_F

ClientSampleId :

C1

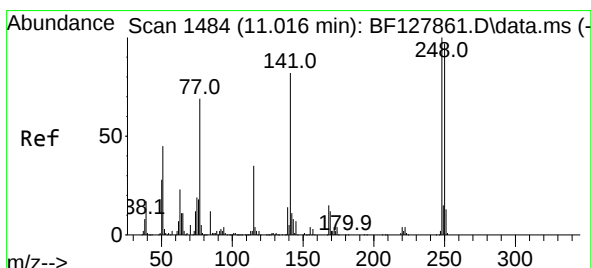
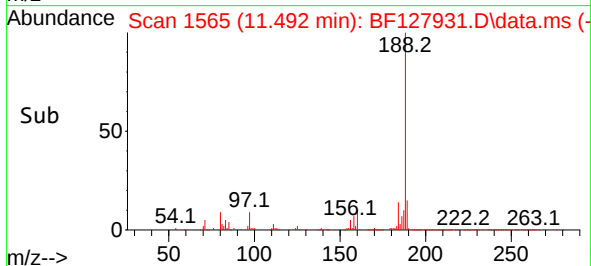
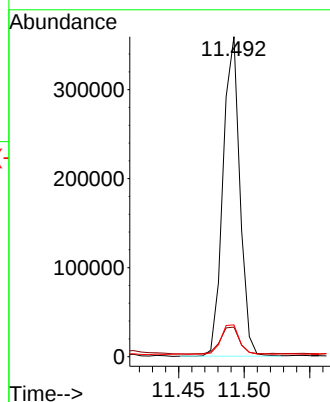
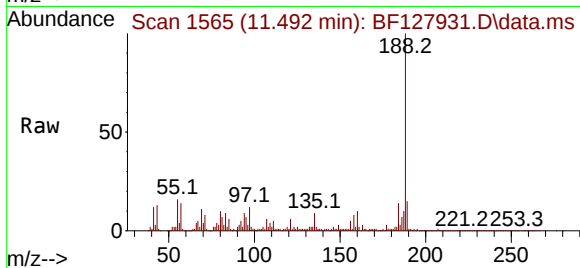
Tgt Ion:188 Resp: 320775

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

80 9.9 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 4.149 ng

RT: 10.775 min Scan# 1443

Delta R.T. -0.241 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

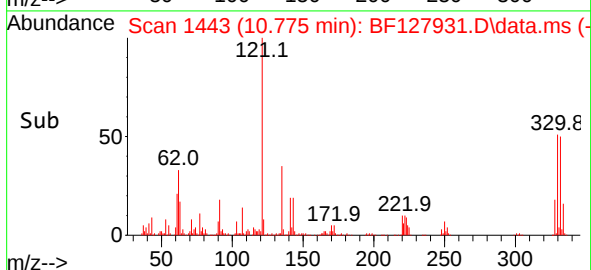
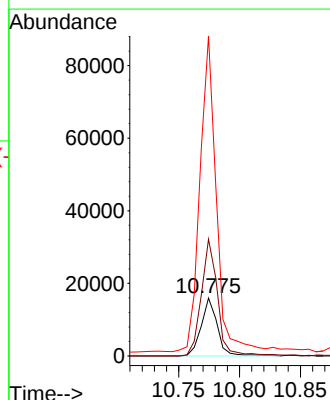
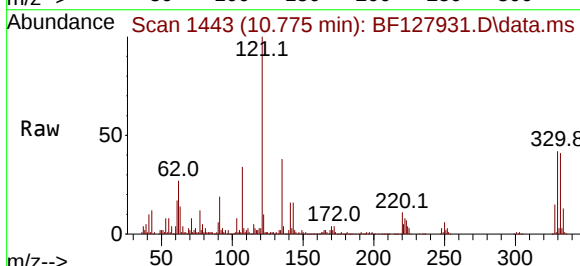
Tgt Ion:248 Resp: 14753

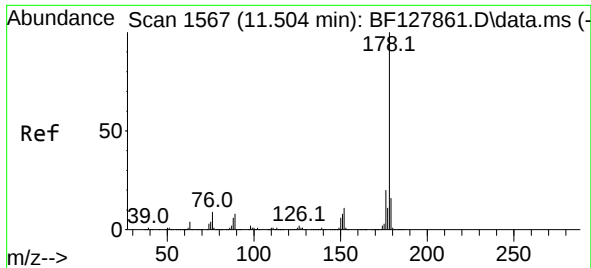
Ion Ratio Lower Upper

248 100

250 201.7 77.7 116.5#

141 552.2 65.6 98.4#

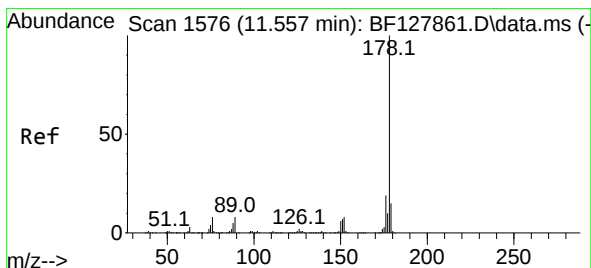
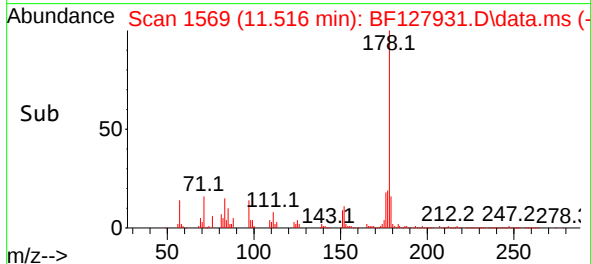
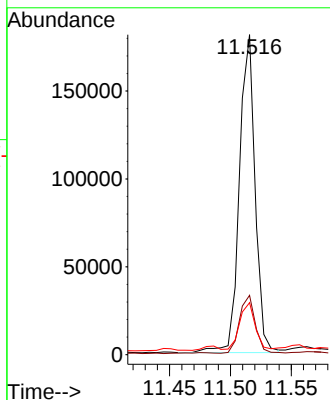
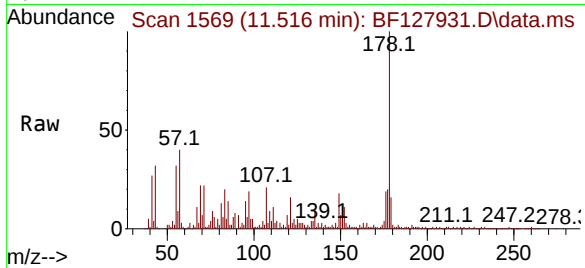




#71
Phenanthrene
Concen: 9.694 ng
RT: 11.516 min Scan# 1569
Delta R.T. 0.012 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

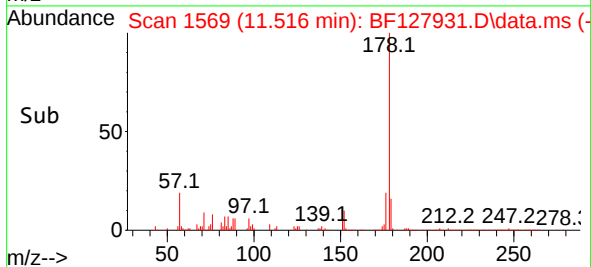
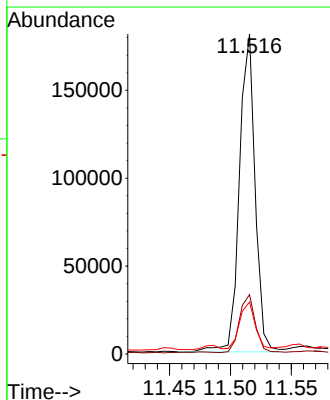
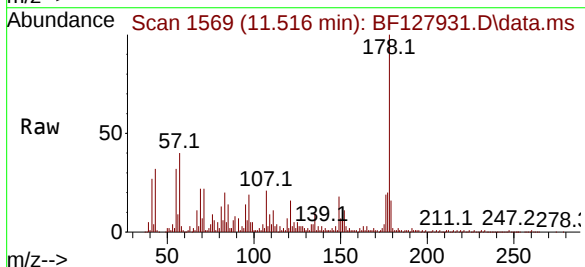
Instrument :
BNA_F
ClientSampleId :
C1

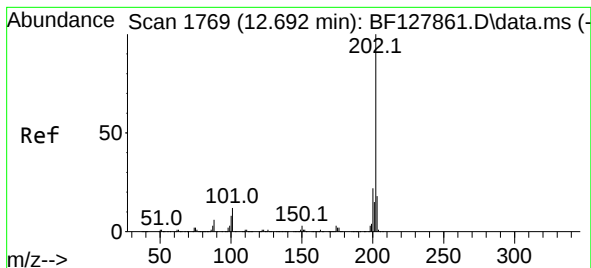
Tgt Ion:178 Resp: 162765
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 16.3 12.6 19.0



#72
Anthracene
Concen: 9.731 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.041 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion:178 Resp: 162765
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 16.3 12.4 18.6





#75

Fluoranthene

Concen: 13.686 ng

RT: 12.698 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

Instrument :

BNA_F

ClientSampleId :

C1

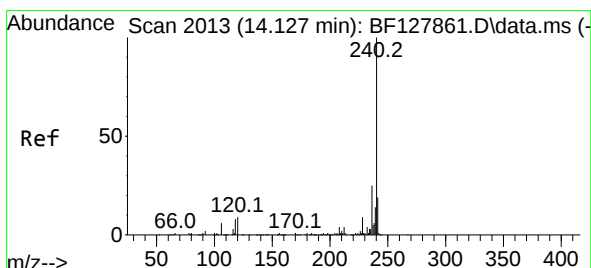
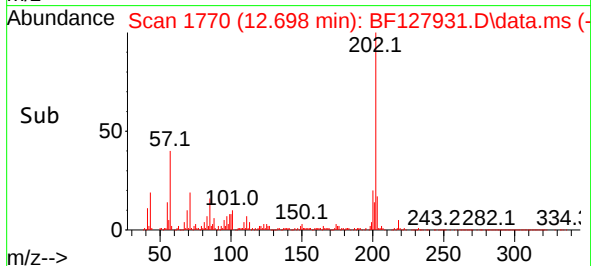
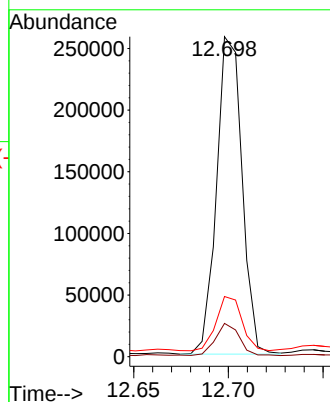
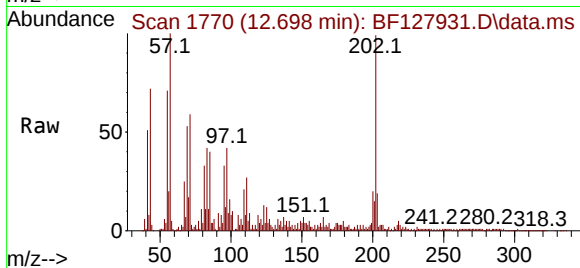
Tgt Ion:202 Resp: 241856

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.6

203 18.8 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 2016

Delta R.T. 0.018 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

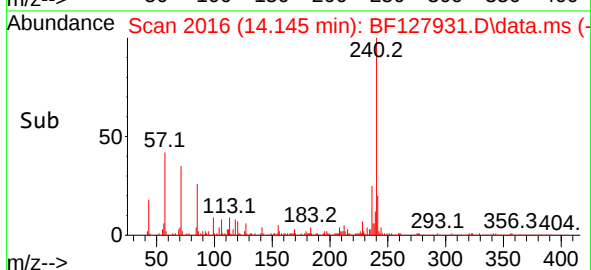
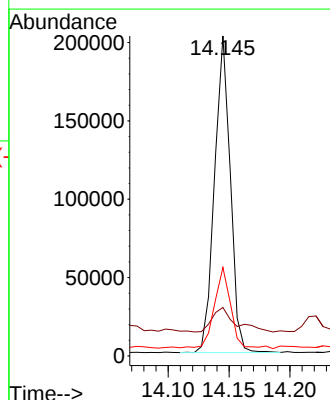
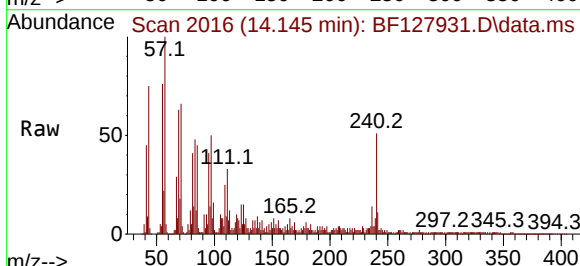
Tgt Ion:240 Resp: 182020

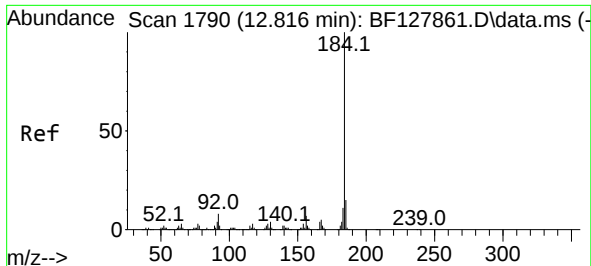
Ion Ratio Lower Upper

240 100

120 15.2 7.0 10.6#

236 27.7 20.3 30.5

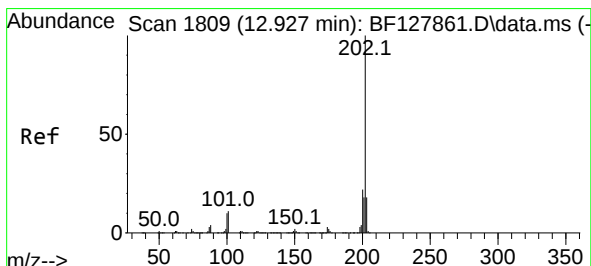
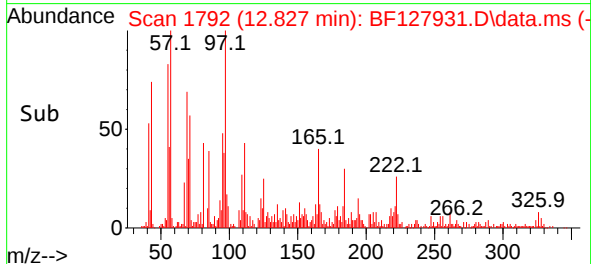
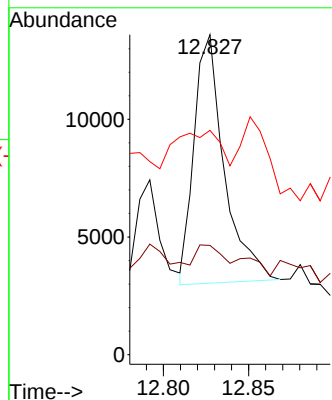
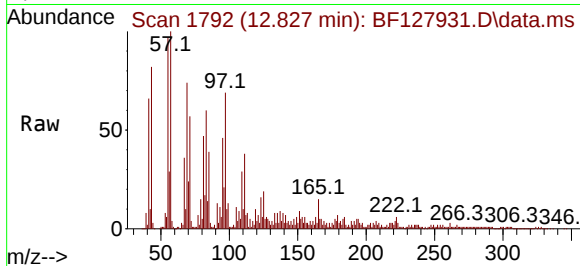




#77
Benzidine
Concen: 3.775 ng
RT: 12.827 min Scan# 11
Delta R.T. 0.011 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

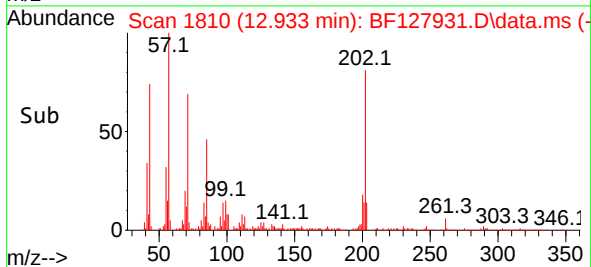
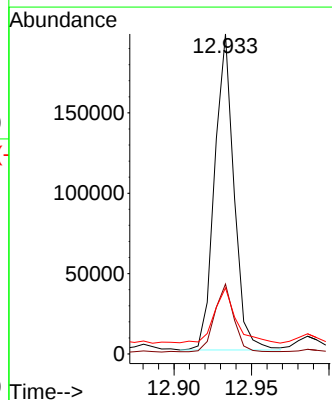
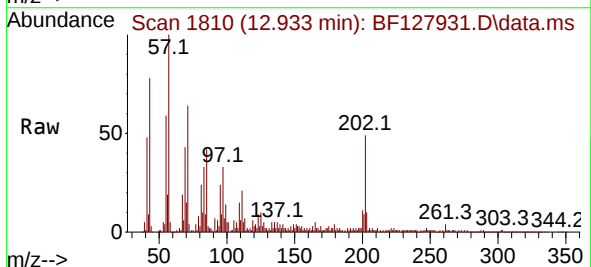
Instrument :
BNA_F
ClientSampleId :
C1

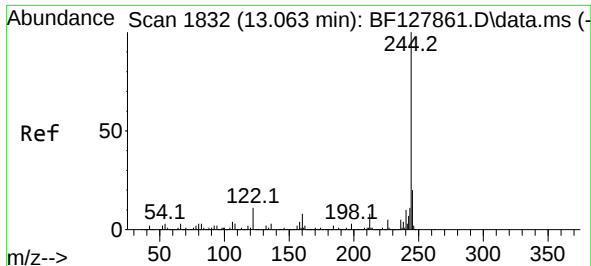
Tgt Ion:184 Resp: 13002
Ion Ratio Lower Upper
184 100
185 34.1 12.1 18.1#
183 70.1 9.0 13.4#



#78
Pyrene
Concen: 11.632 ng
RT: 12.933 min Scan# 1810
Delta R.T. 0.006 min
Lab File: BF127931.D
Acq: 27 Apr 2022 00:03

Tgt Ion:202 Resp: 170920
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 20.6 14.0 21.0

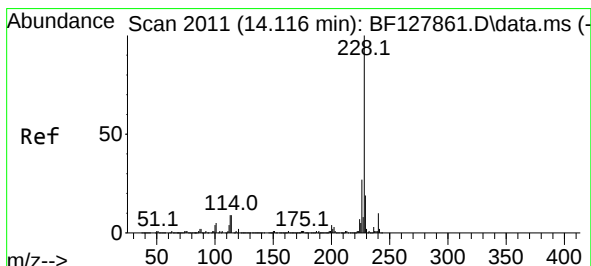
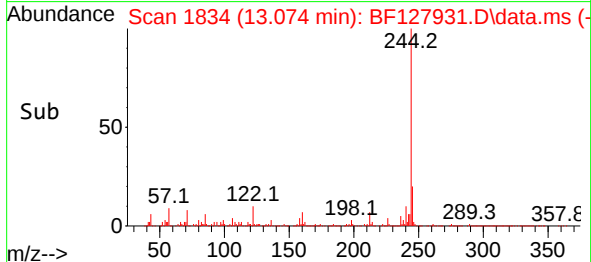
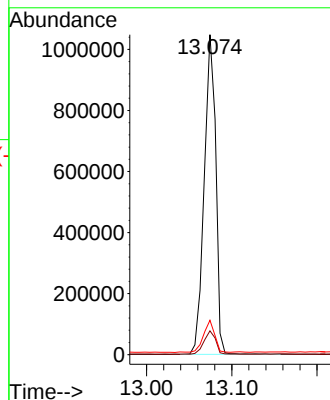
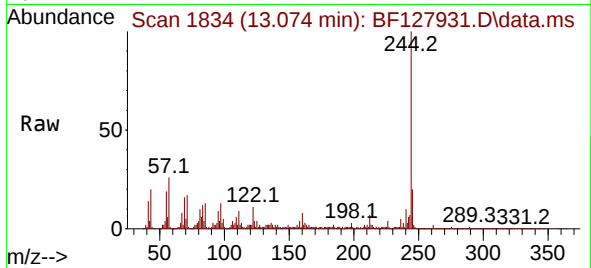




#79
 Terphenyl-d14
 Concen: 98.855 ng
 RT: 13.074 min Scan# 1832
 Delta R.T. 0.012 min
 Lab File: BF127931.D
 Acq: 27 Apr 2022 00:03

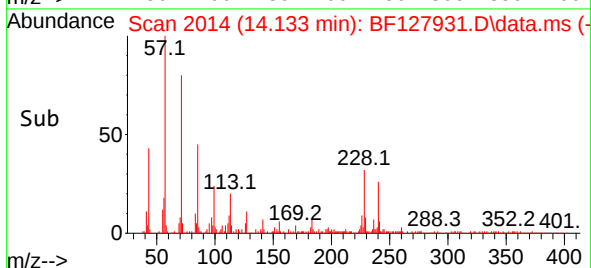
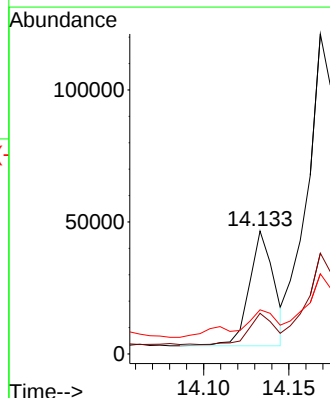
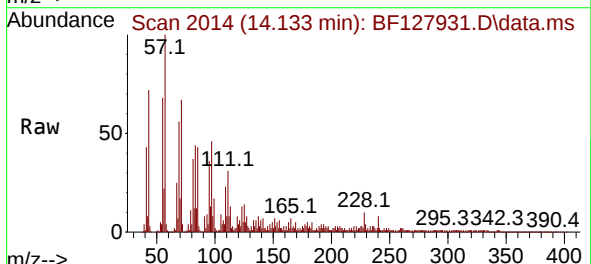
Instrument :
 BNA_F
 ClientSampleId :
 C1

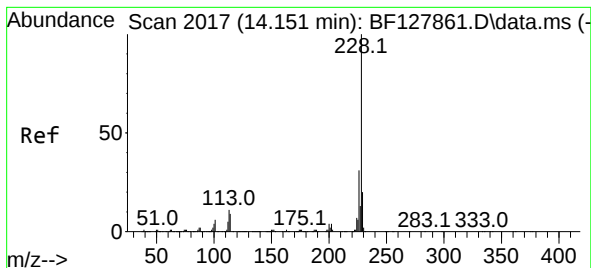
Tgt Ion:244 Resp: 984033
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 10.8 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 3.597 ng
 RT: 14.133 min Scan# 2014
 Delta R.T. 0.018 min
 Lab File: BF127931.D
 Acq: 27 Apr 2022 00:03

Tgt Ion:228 Resp: 43634
 Ion Ratio Lower Upper
 228 100
 226 33.0 21.7 32.5#
 229 35.9 15.4 23.2#





#83

Chrysene

Concen: 11.444 ng

RT: 14.168 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

Instrument :

BNA_F

ClientSampleId :

C1

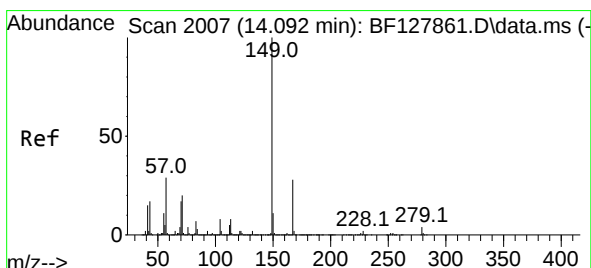
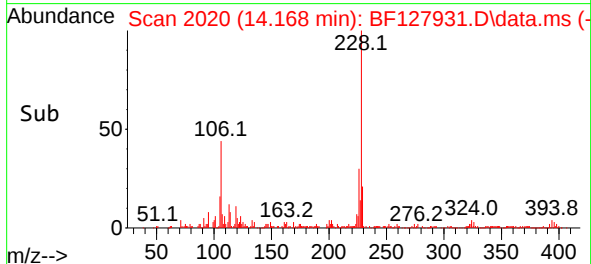
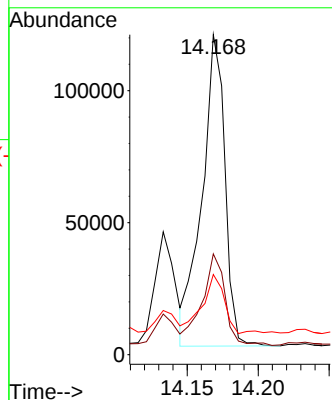
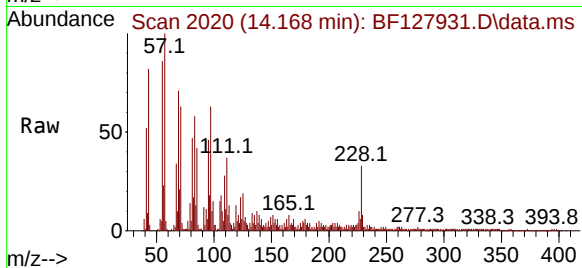
Tgt Ion:228 Resp: 132598

Ion Ratio Lower Upper

228 100

226 31.5 24.4 36.6

229 25.1 15.8 23.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.683 ng

RT: 14.110 min Scan# 2010

Delta R.T. 0.018 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

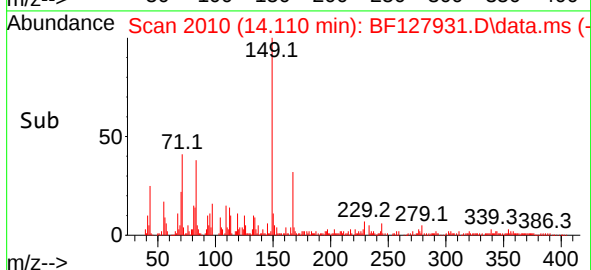
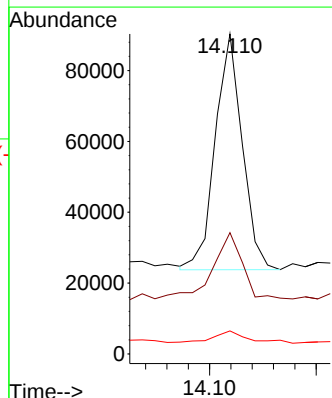
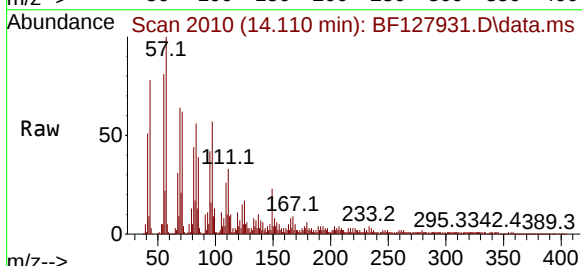
Tgt Ion:149 Resp: 58676

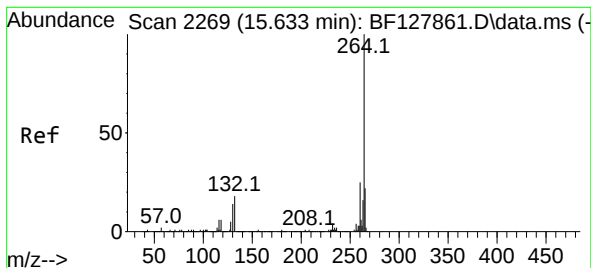
Ion Ratio Lower Upper

149 100

167 37.9 22.0 33.0#

279 7.2 3.4 5.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

Instrument :

BNA_F

ClientSampleId :

C1

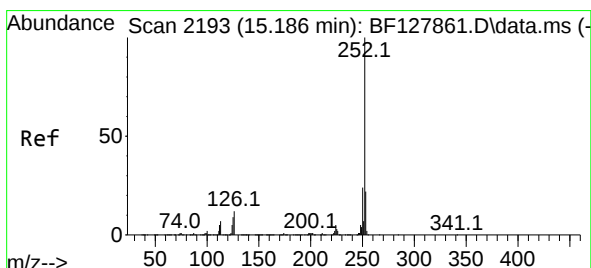
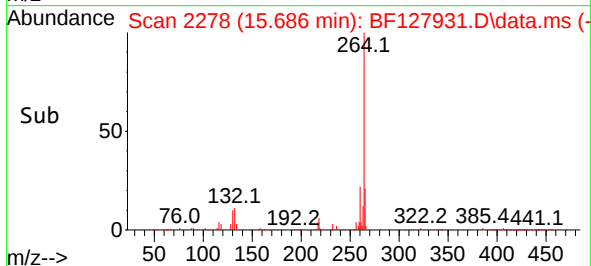
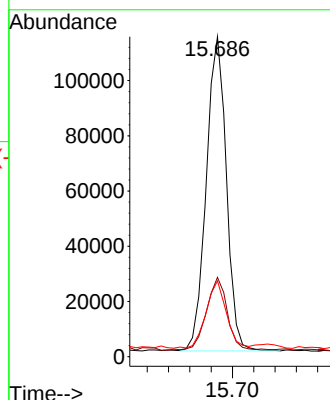
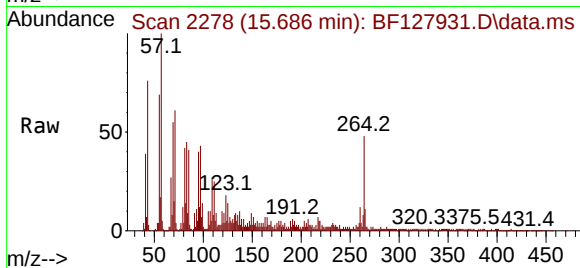
Tgt Ion:264 Resp: 149553

Ion Ratio Lower Upper

264 100

260 24.8 20.1 30.1

265 23.7 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 9.343 ng

RT: 15.227 min Scan# 2200

Delta R.T. 0.041 min

Lab File: BF127931.D

Acq: 27 Apr 2022 00:03

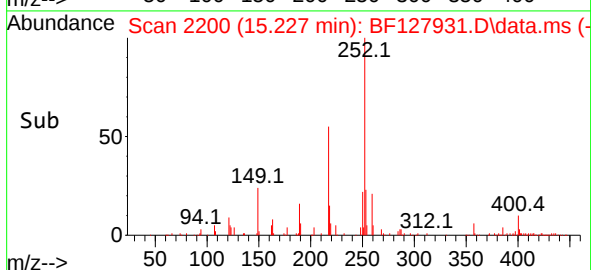
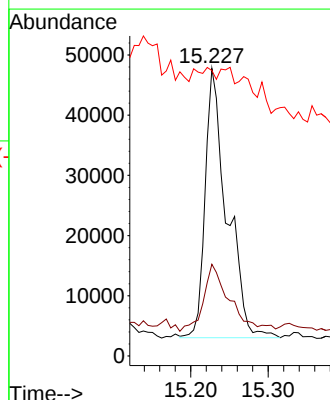
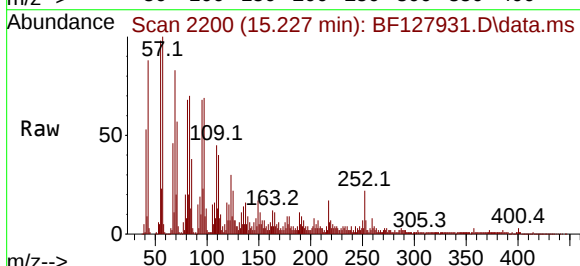
Tgt Ion:252 Resp: 87763

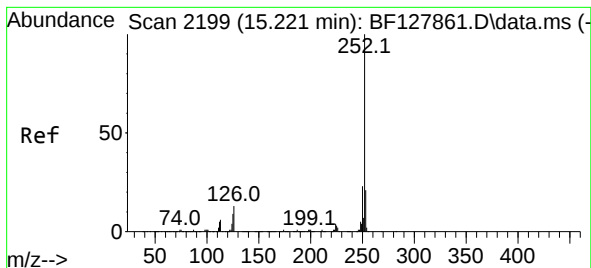
Ion Ratio Lower Upper

252 100

253 31.9 17.4 26.2#

125 99.3 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 9.274 ng

RT: 15.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127931.D

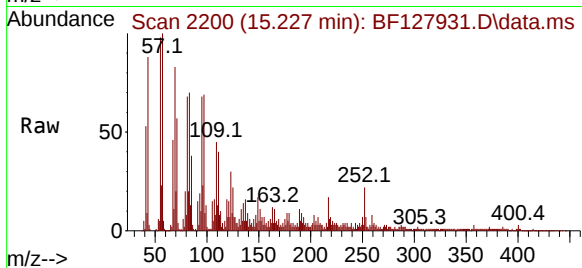
Acq: 27 Apr 2022 00:03

Instrument :

BNA_F

ClientSampleId :

C1



Tgt Ion:252 Resp: 87763

Ion Ratio Lower Upper

252 100

253 31.9 17.0 25.4#

125 99.3 6.8 10.2#

