

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032822\
 Data File : BF127547.D
 Acq On : 28 Mar 2022 17:42
 Operator : CG\JU
 Sample : N2123-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20220344-MODIFIED-ELUTRIATE

Quant Time: Mar 29 07:16:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 29 07:13:31 2022
 Response via : Initial Calibration

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

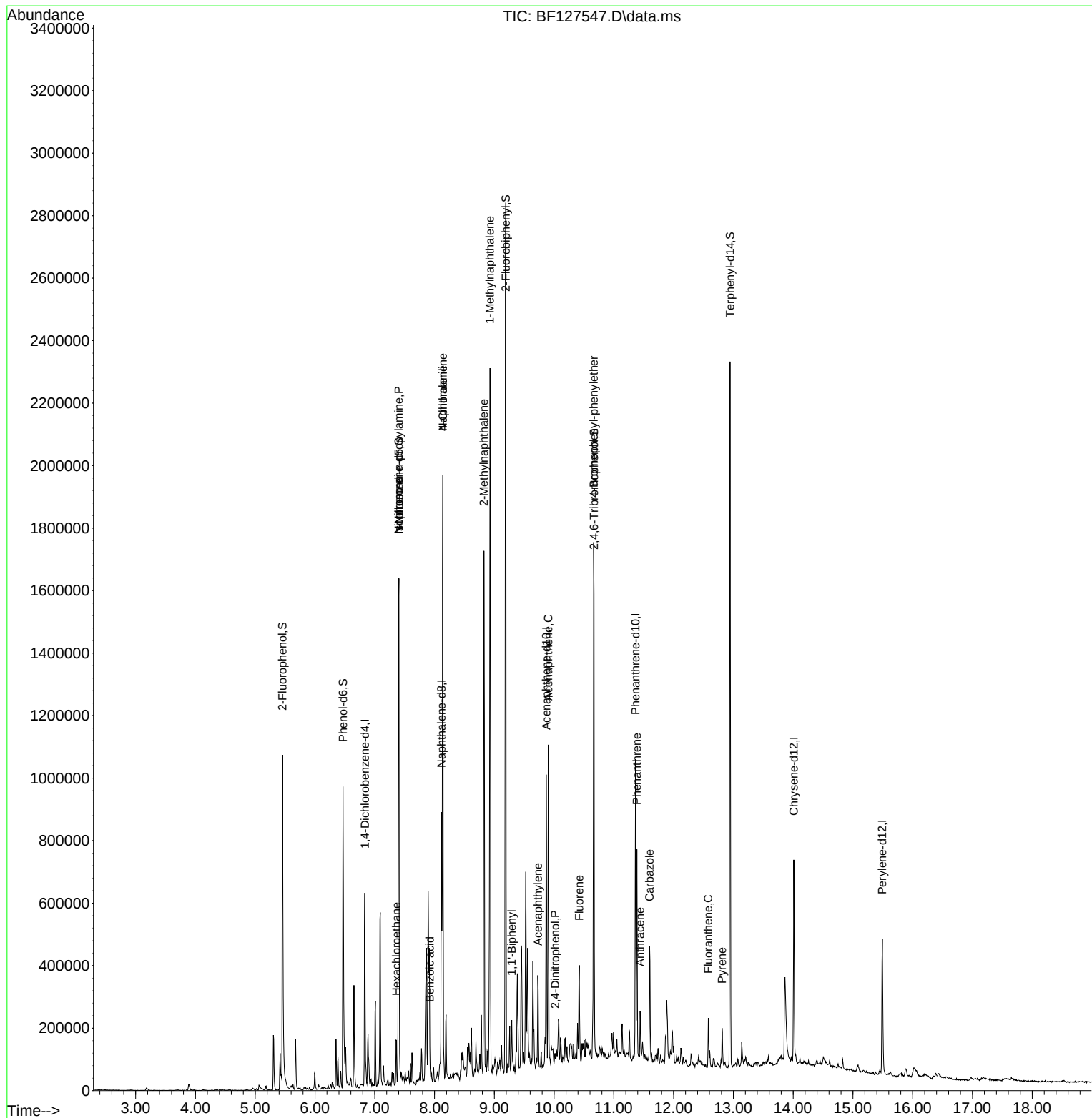
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	87207	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	318419	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	180027	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	310889	20.000	ng	0.00
76) Chrysene-d12	14.010	240	211742	20.000	ng	0.00
86) Perylene-d12	15.492	264	198875	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	297487	54.451	ng	0.00
7) Phenol-d6	6.469	99	318850	42.696	ng	-0.01
23) Nitrobenzene-d5	7.404	82	534758	71.788	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	198040	103.267	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	903635	73.296	ng	0.00
79) Terphenyl-d14	12.945	244	744261	57.540	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	4623	Below Cal	#	1
18) Hexachloroethane	7.363	117	8969	3.879	ng	# 1
19) n-Nitroso-di-n-propyla...	7.404	70	71243	15.915	ng	# 81
25) Isophorone	7.404	82	532784	44.906	ng	# 70
31) Naphthalene	8.139	128	779266	46.096	ng	99
32) Benzoic acid	7.922	122	5304	7.842	ng	# 54
33) 4-Chloroaniline	8.139	127	100169	15.291	ng	# 31
37) 2-Methylnaphthalene	8.828	142	399546	36.756	ng	100
38) 1-Methylnaphthalene	8.928	142	563875	52.459	ng	99
46) 1,1'-Biphenyl	9.292	154	38056	2.799	ng	98
49) Acenaphthylene	9.733	152	43127	2.664	ng	# 90
52) Acenaphthene	9.904	154	192255	20.357	ng	98
54) 2,4-Dinitrophenol	10.016	184	256	8.872	ng	# 1
55) Dibenzofuran	10.080	168	40805	Below Cal		97
58) Fluorene	10.422	166	82739	5.425	ng	96
67) 4-Bromophenyl-phenylether	10.663	248	13392	3.690	ng	# 1
71) Phenanthrene	11.386	178	220661	13.614	ng	99
72) Anthracene	11.439	178	56138	3.490	ng	100
73) Carbazole	11.598	167	142052	9.235	ng	99
75) Fluoranthene	12.580	202	53497	3.001	ng	98
78) Pyrene	12.810	202	52464	2.887	ng	99

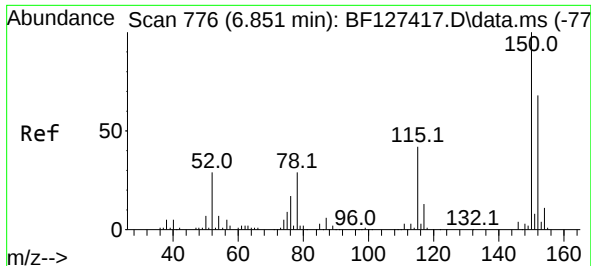
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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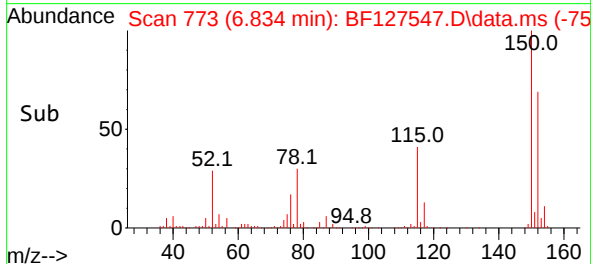
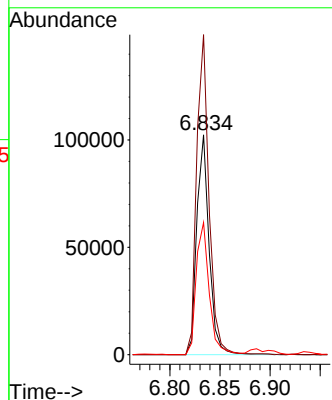
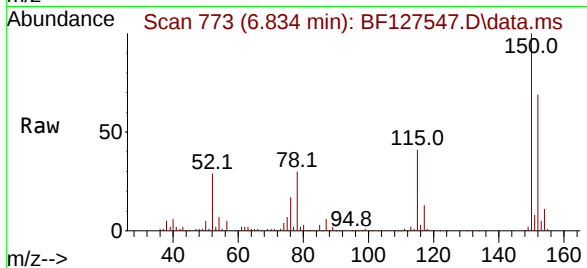




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

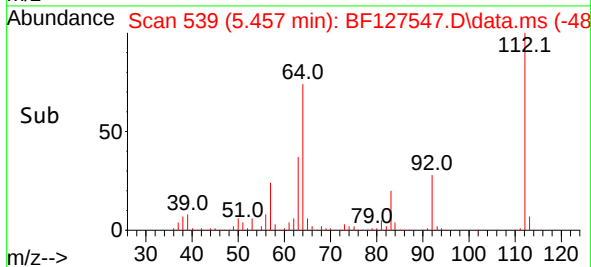
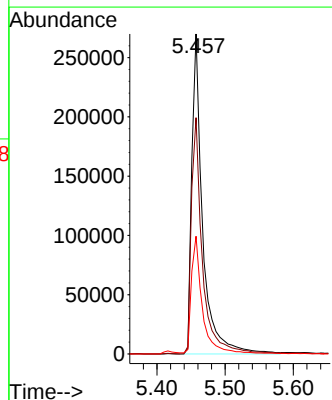
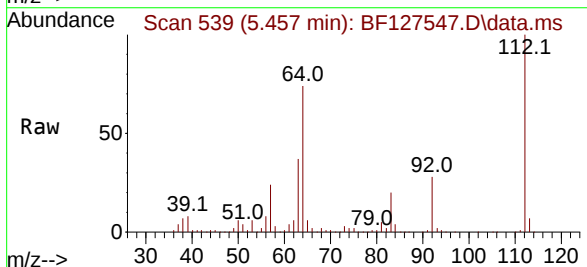
Instrument :
BNA_F
ClientSampleId :
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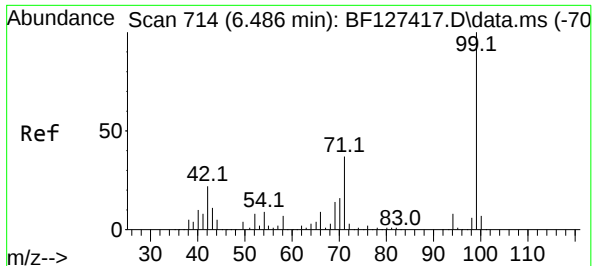
Tgt Ion:152 Resp: 87207
Ion Ratio Lower Upper
152 100
150 145.6 117.2 175.8
115 60.1 49.8 74.6



#5
2-Fluorophenol
Concen: 54.451 ng
RT: 5.457 min Scan# 539
Delta R.T. 0.000 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion:112 Resp: 297487
Ion Ratio Lower Upper
112 100
64 73.9 58.4 87.6
63 36.8 30.1 45.1

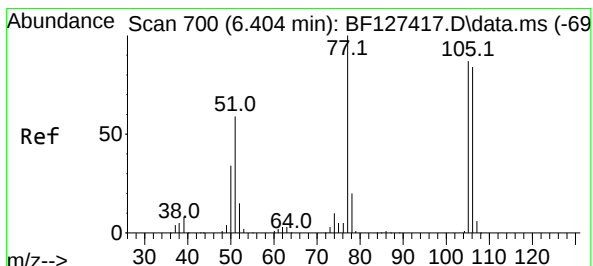
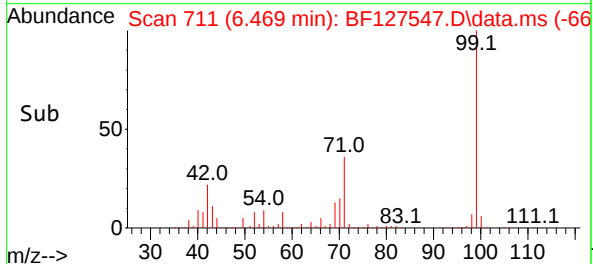
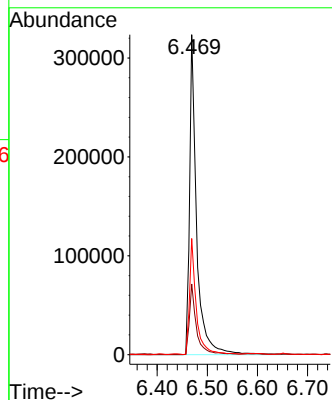
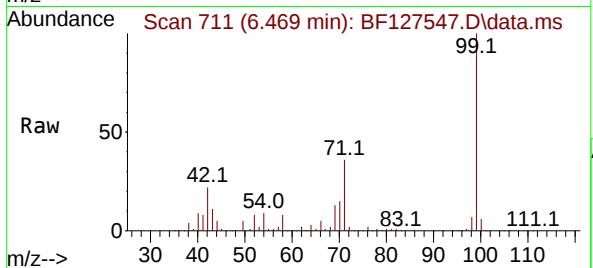




#7
Phenol-d6
Concen: 42.696 ng
RT: 6.469 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

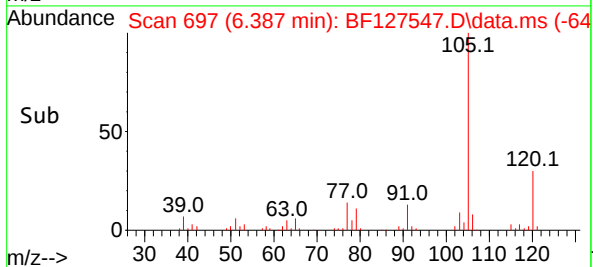
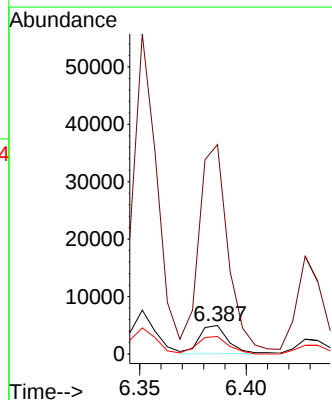
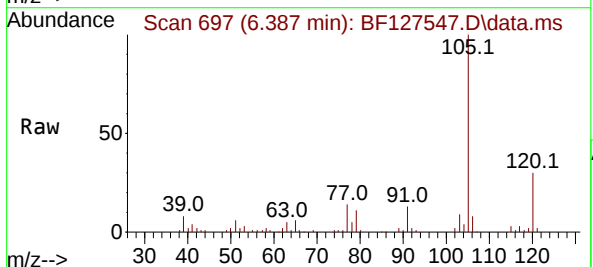
Instrument :
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ClientSampleId :
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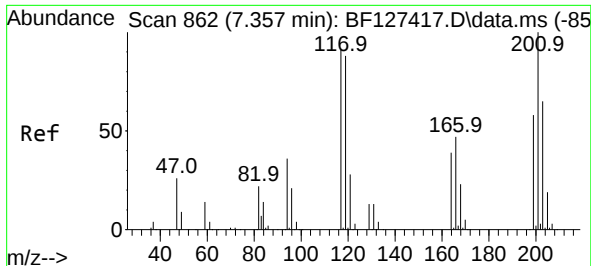
Tgt Ion: 99 Resp: 318850
Ion Ratio Lower Upper
99 100
42 22.1 17.8 26.6
71 36.3 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 697
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion: 77 Resp: 4623
Ion Ratio Lower Upper
77 100
105 735.6 66.8 106.8#
106 61.3 64.3 104.3#

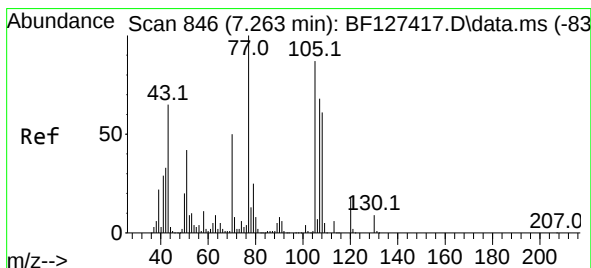
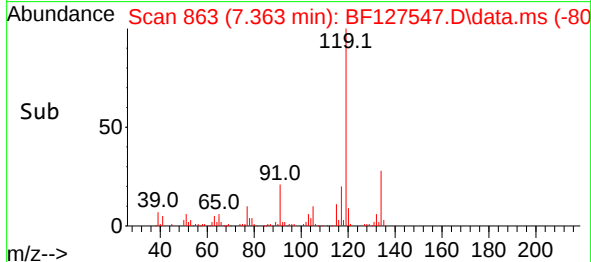
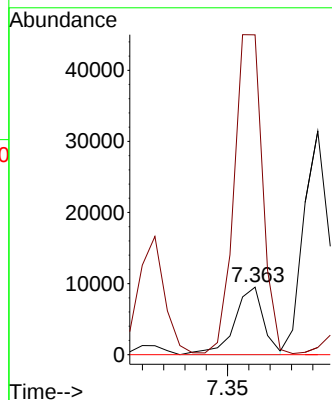
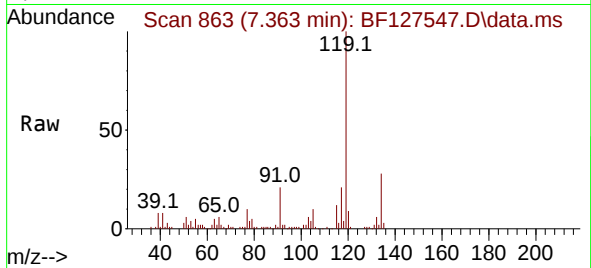




#18
Hexachloroethane
Concen: 3.879 ng
RT: 7.363 min Scan# 80
Delta R.T. 0.024 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

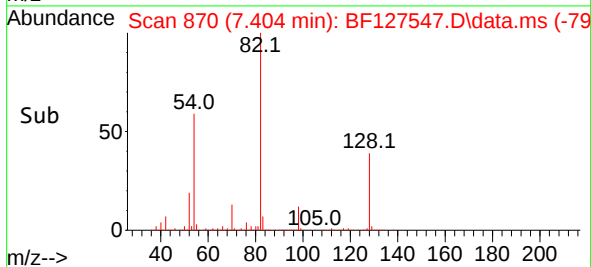
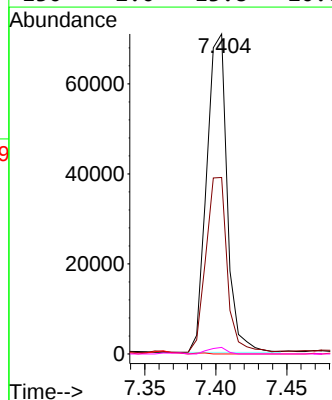
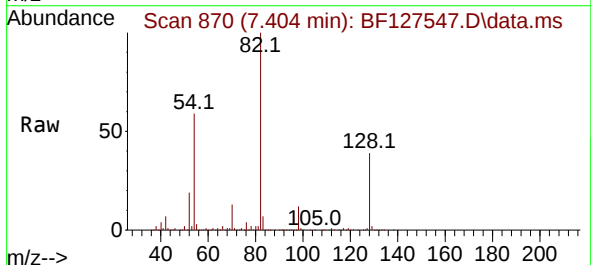
Instrument :
BNA_F
ClientSampleId :
20220344-MODIFIED-ELUTRIATE

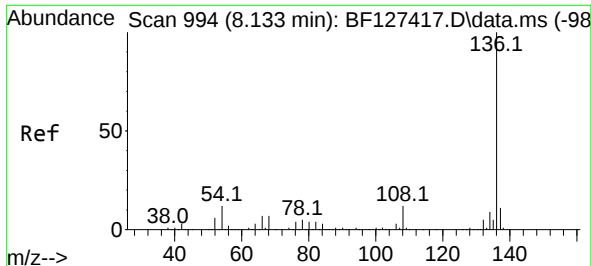
Tgt Ion:117 Resp: 8969
Ion Ratio Lower Upper
117 100
119 474.0 77.6 116.4#
201 0.0 88.2 132.2#



#19
n-Nitroso-di-n-propylamine
Concen: 15.915 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.153 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion: 70 Resp: 71243
Ion Ratio Lower Upper
70 100
42 55.1 53.0 79.6
101 0.0 6.8 10.2#
130 2.0 13.8 20.6#

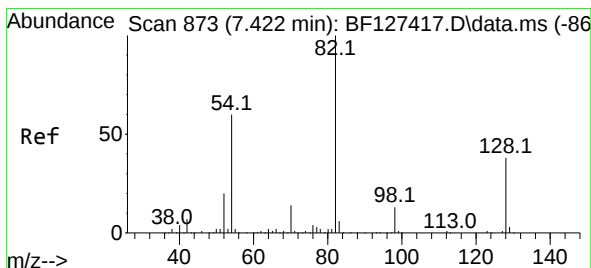
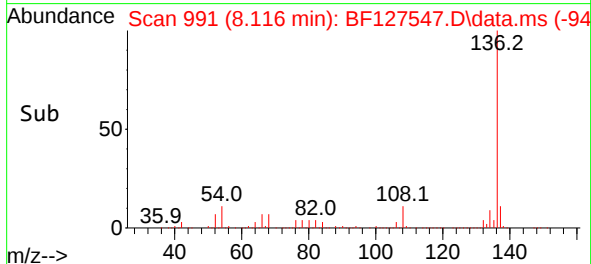
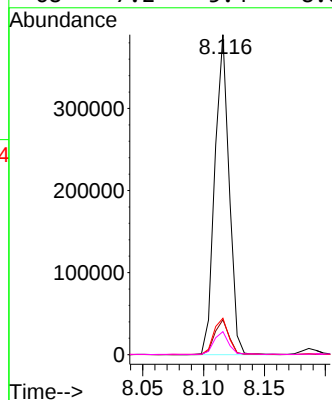
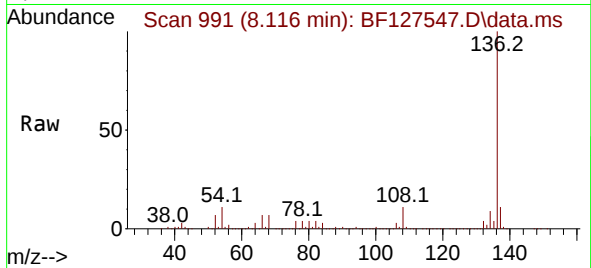




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

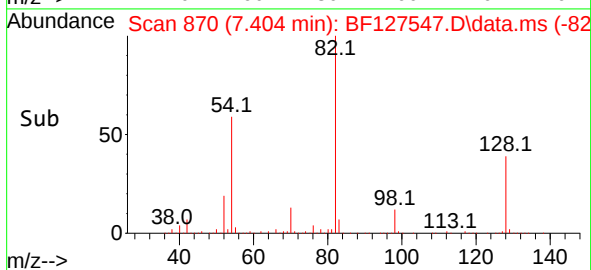
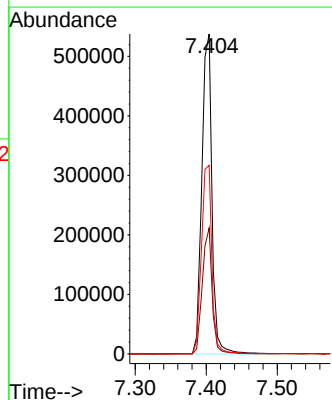
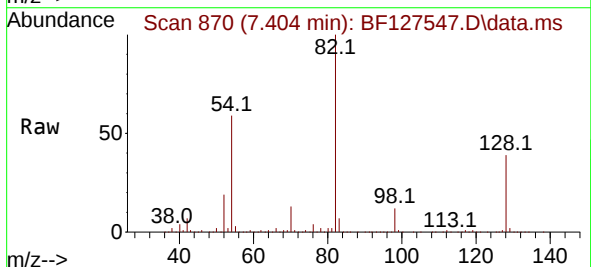
Instrument :
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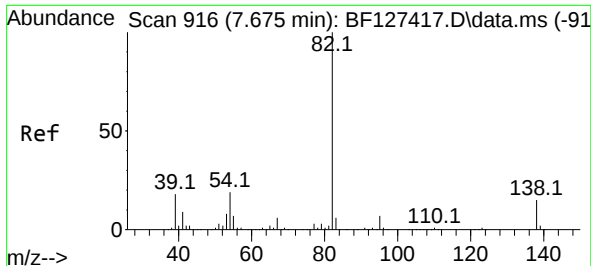
Tgt Ion:136 Resp: 318419
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 11.4 9.2 13.8
68 7.2 5.4 8.0



#23
Nitrobenzene-d5
Concen: 71.788 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion: 82 Resp: 534758
Ion Ratio Lower Upper
82 100
128 39.4 30.6 45.8
54 58.9 48.2 72.2

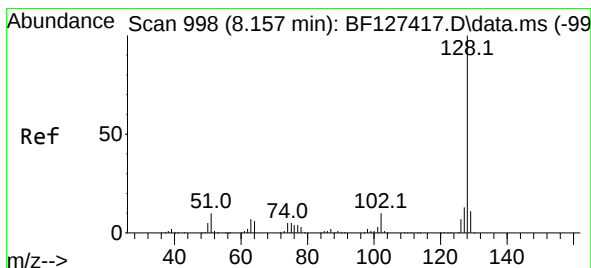
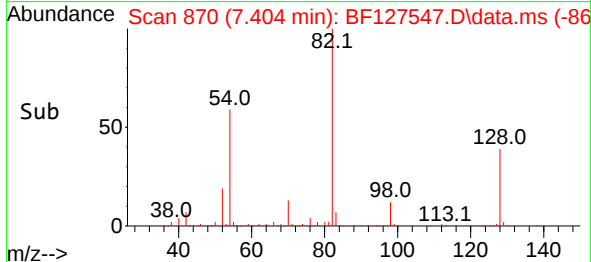
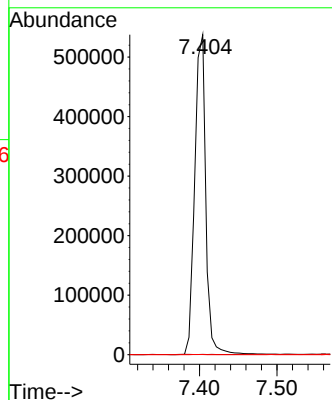
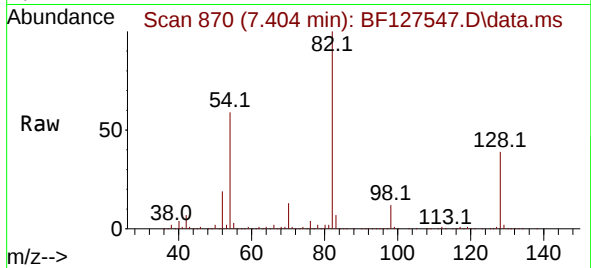




#25
Isophorone
Concen: 44.906 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

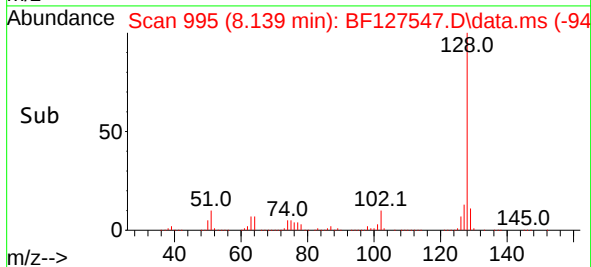
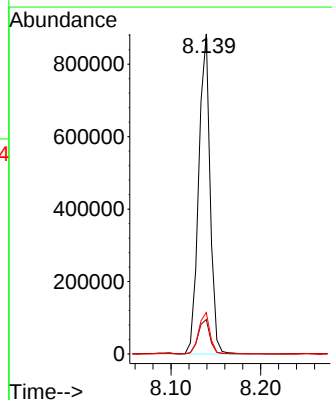
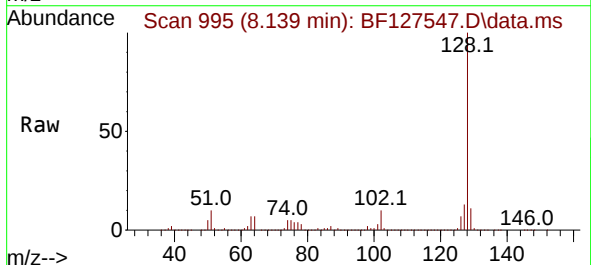
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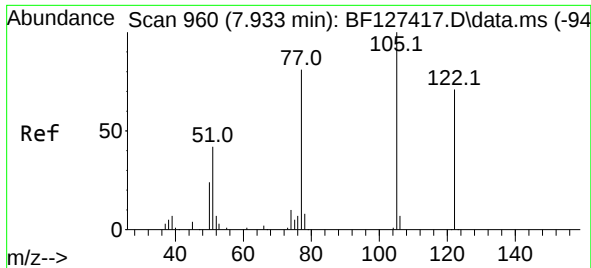
Tgt Ion: 82 Resp: 532784
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 11.6 17.4#



#31
Naphthalene
Concen: 46.096 ng
RT: 8.139 min Scan# 995
Delta R.T. 0.000 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion:128 Resp: 779266
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 13.0 10.2 15.2

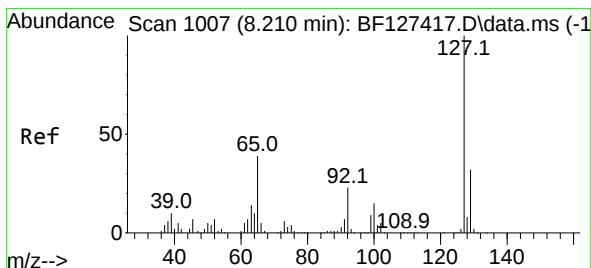
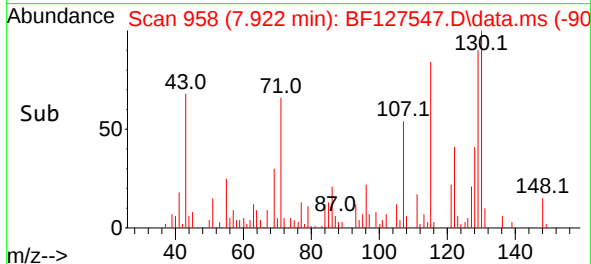
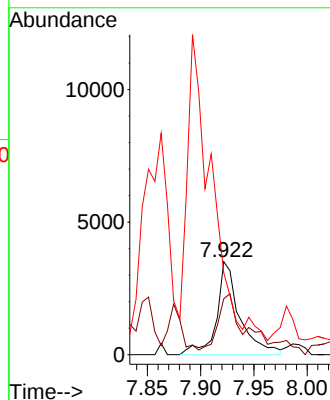
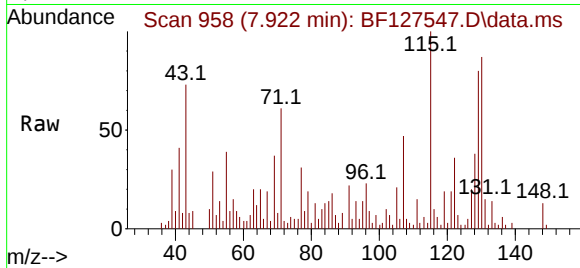




#32
Benzoic acid
Concen: 7.842 ng
RT: 7.922 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

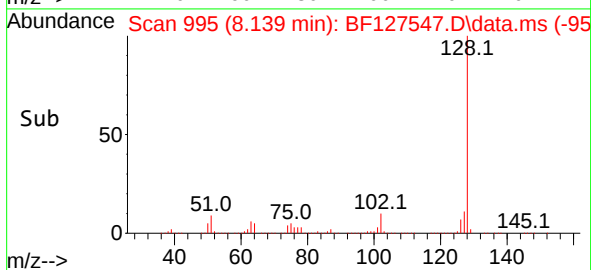
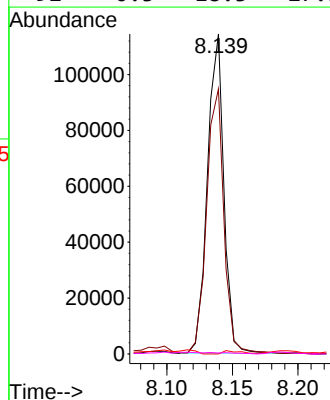
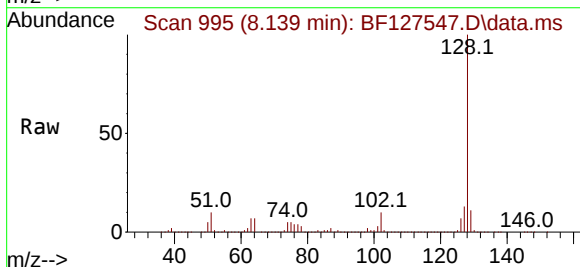
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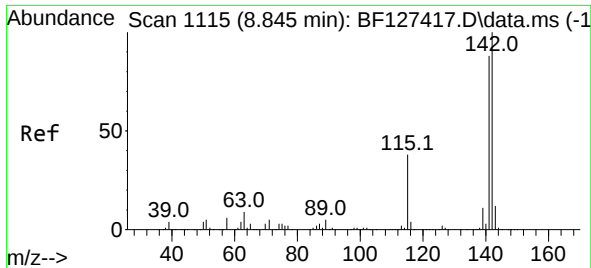
Tgt Ion:122 Resp: 5304
Ion Ratio Lower Upper
122 100
105 60.0 117.1 157.1#
77 88.4 93.0 133.0#



#33
4-Chloroaniline
Concen: 15.291 ng
RT: 8.139 min Scan# 995
Delta R.T. -0.059 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion:127 Resp: 100169
Ion Ratio Lower Upper
127 100
129 82.8 25.9 38.9#
65 0.0 31.4 47.0#
92 0.3 18.3 27.5#





#37

2-Methylnaphthalene

Concen: 36.756 ng

RT: 8.828 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF127547.D

Acq: 28 Mar 2022 17:42

Instrument :

BNA_F

ClientSampleId :

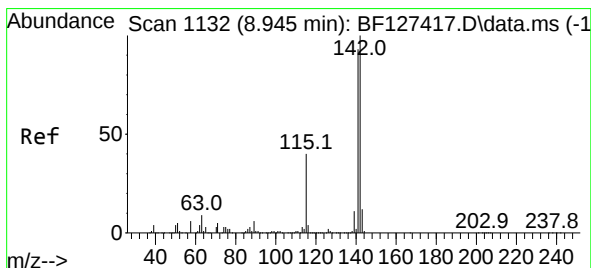
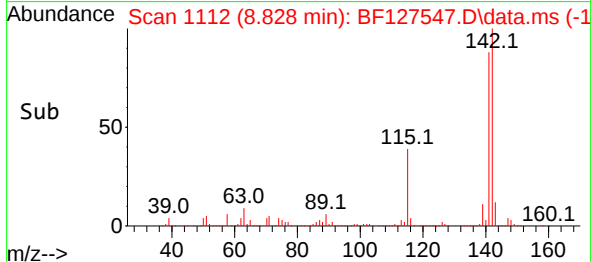
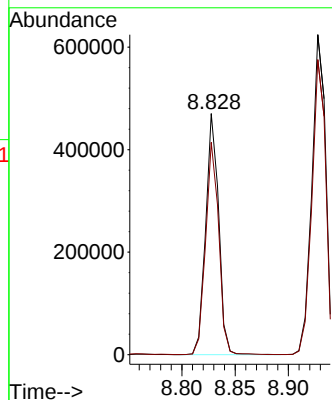
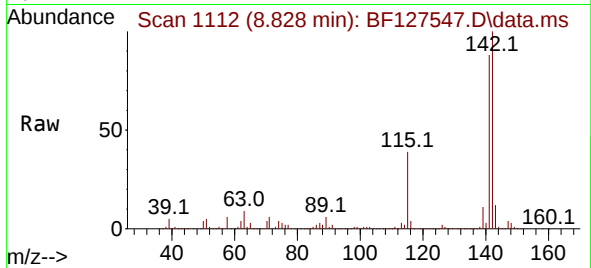
20220344-MODIFIED-ELUTRIATE

Tgt Ion:142 Resp: 399546

Ion Ratio Lower Upper

142 100

141 88.0 70.6 106.0



#38

1-Methylnaphthalene

Concen: 52.459 ng

RT: 8.928 min Scan# 1129

Delta R.T. 0.000 min

Lab File: BF127547.D

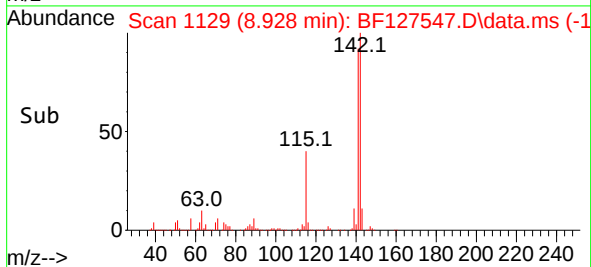
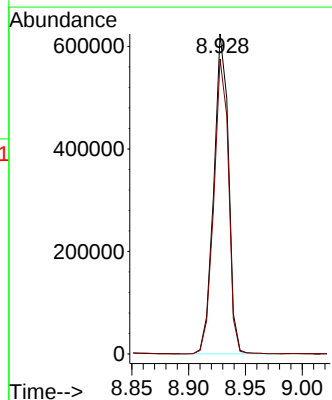
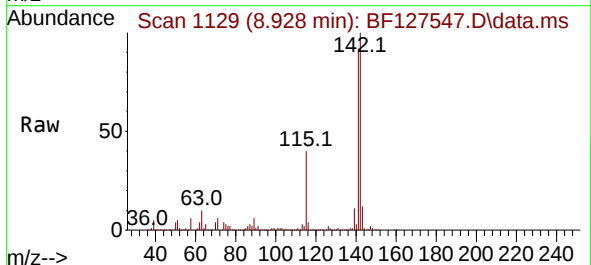
Acq: 28 Mar 2022 17:42

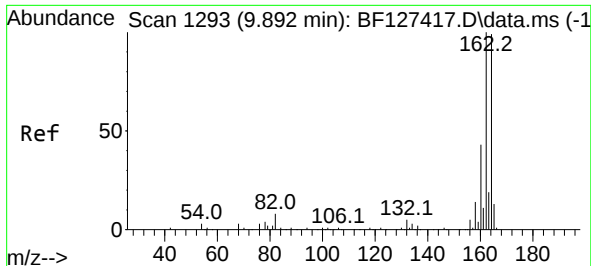
Tgt Ion:142 Resp: 563875

Ion Ratio Lower Upper

142 100

141 92.2 74.2 111.2

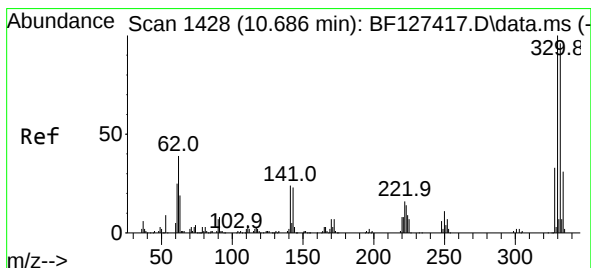
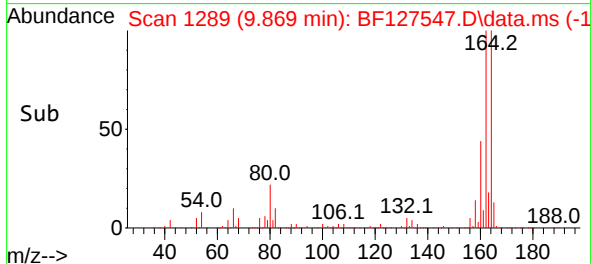
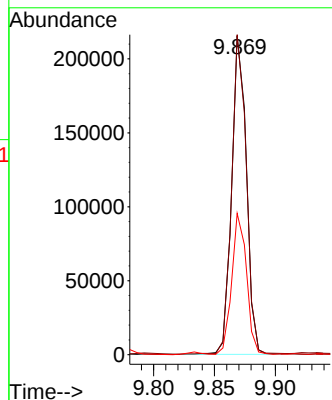
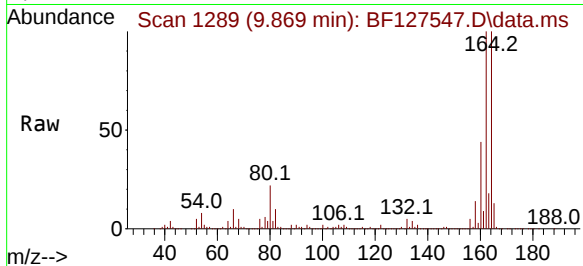




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

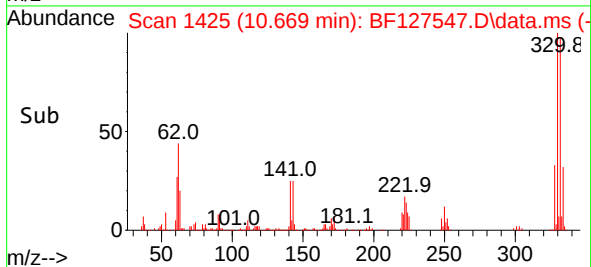
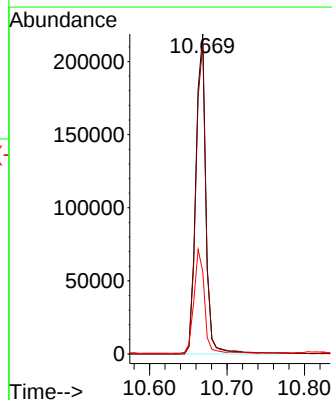
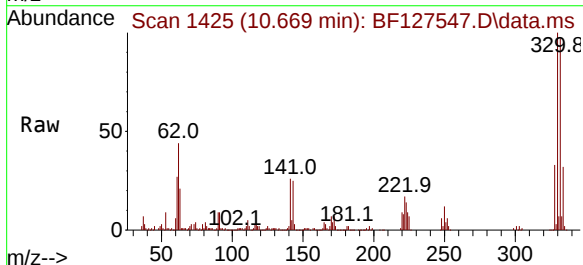
Instrument :
BNA_F
ClientSampleId :
20220344-MODIFIED-ELUTRIATE

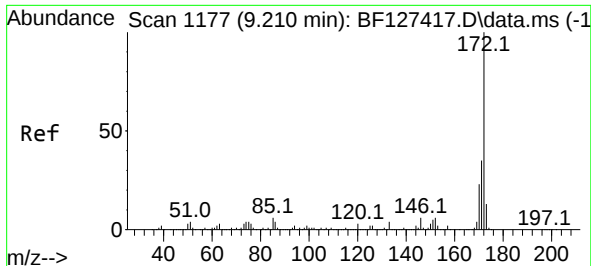
Tgt Ion:164 Resp: 180027
Ion Ratio Lower Upper
164 100
162 100.5 81.2 121.8
160 44.4 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 103.267 ng
RT: 10.669 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion:330 Resp: 198040
Ion Ratio Lower Upper
330 100
332 97.8 79.1 118.7
141 33.9 26.2 39.4

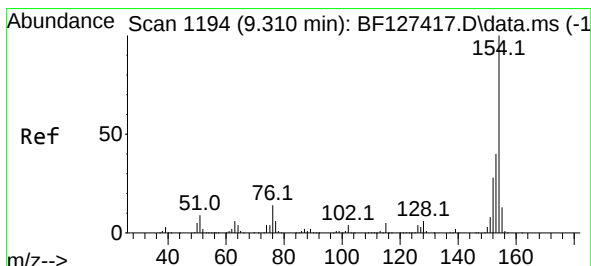
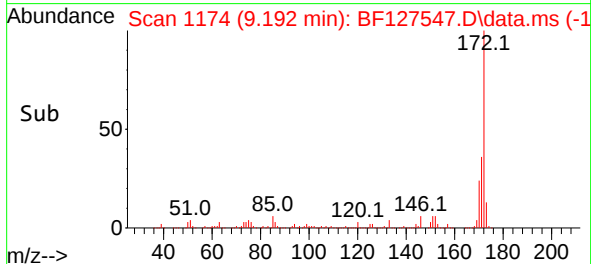
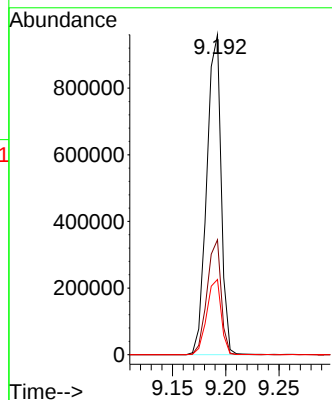
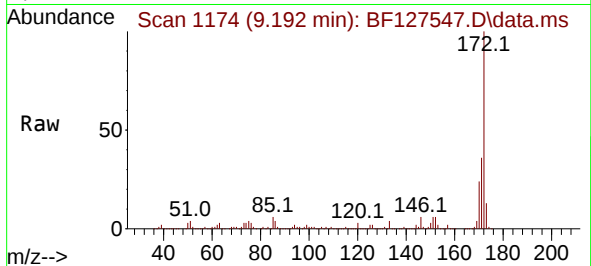




#45
2-Fluorobiphenyl
Concen: 73.296 ng
RT: 9.192 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

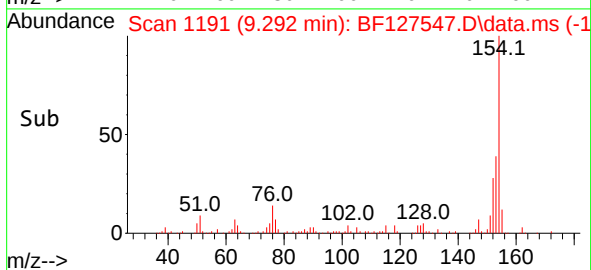
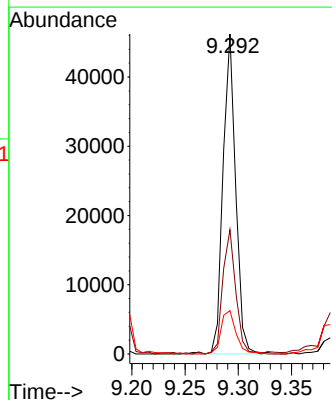
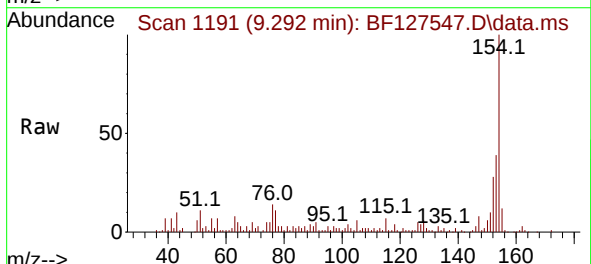
Instrument :
BNA_F
ClientSampleId :
20220344-MODIFIED-ELUTRIATE

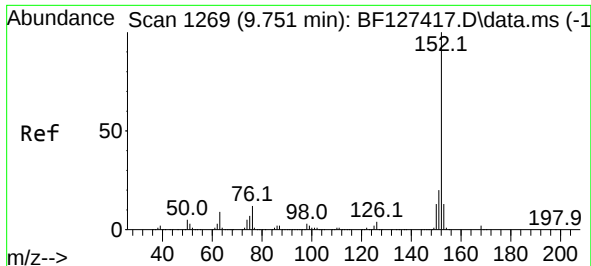
Tgt Ion:172 Resp: 903635
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.5 18.6 27.8



#46
1,1'-Biphenyl
Concen: 2.799 ng
RT: 9.292 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion:154 Resp: 38056
Ion Ratio Lower Upper
154 100
153 38.9 20.3 60.3
76 13.5 0.0 33.9

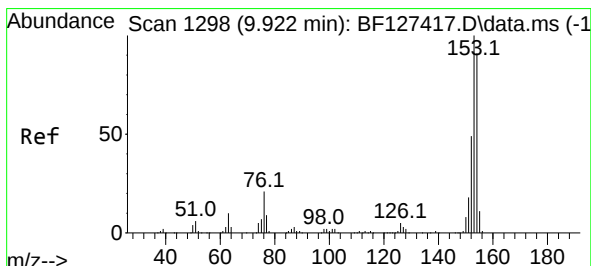
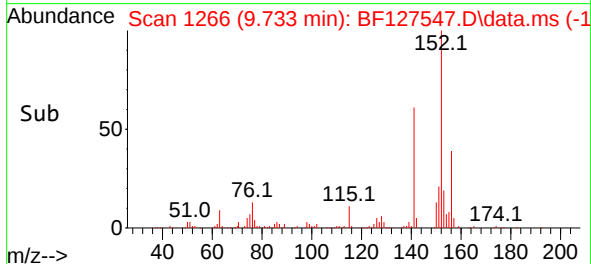
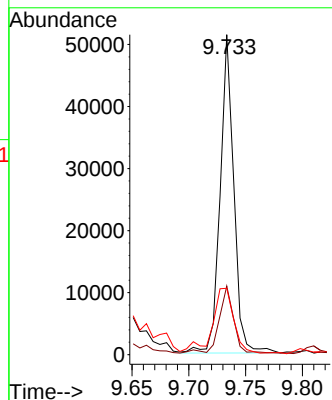
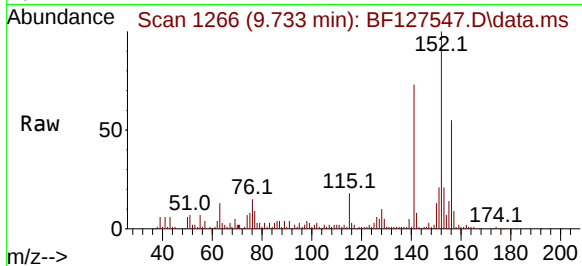




#49
Acenaphthylene
Concen: 2.664 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

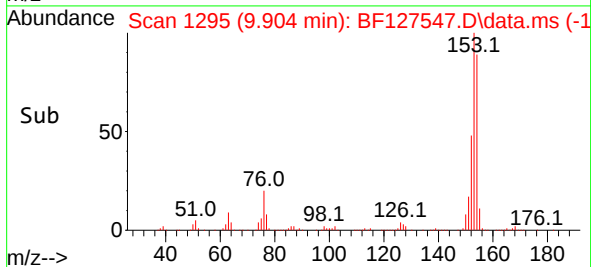
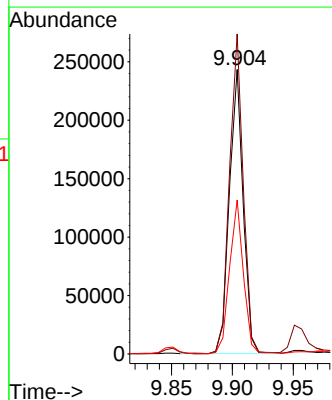
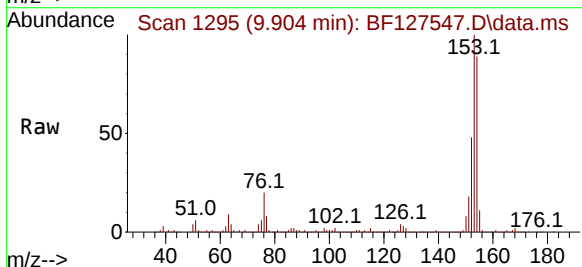
Instrument :
BNA_F
ClientSampleId :
20220344-MODIFIED-ELUTRIATE

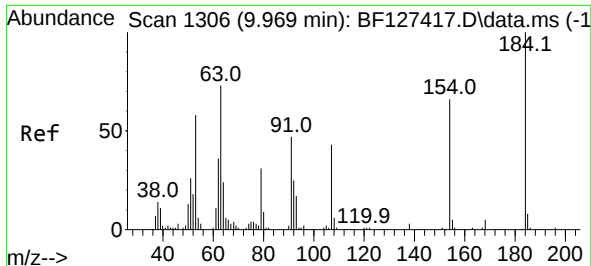
Tgt Ion:152 Resp: 43127
Ion Ratio Lower Upper
152 100
151 21.5 15.8 23.8
153 20.8 10.5 15.7#



#52
Acenaphthene
Concen: 20.357 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion:154 Resp: 192255
Ion Ratio Lower Upper
154 100
153 112.5 87.6 131.4
152 54.1 42.9 64.3

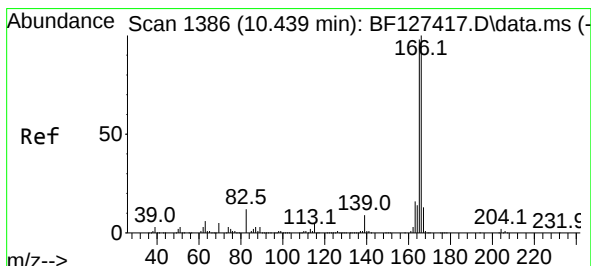
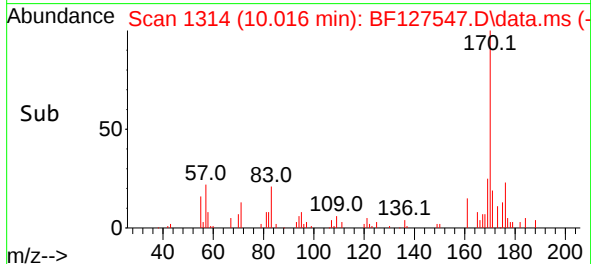
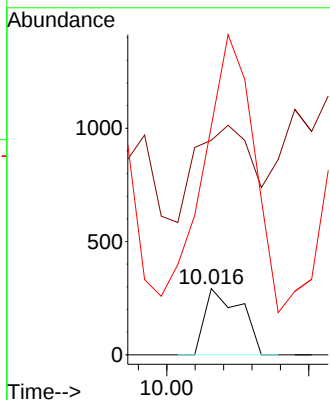
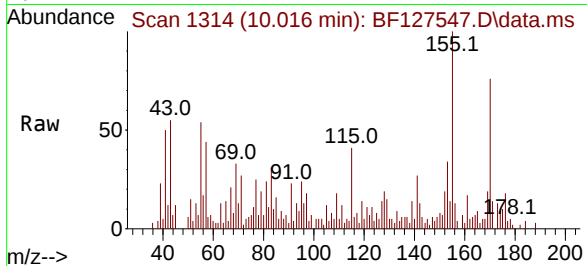




#54
2,4-Dinitrophenol
Concen: 8.872 ng
RT: 10.016 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

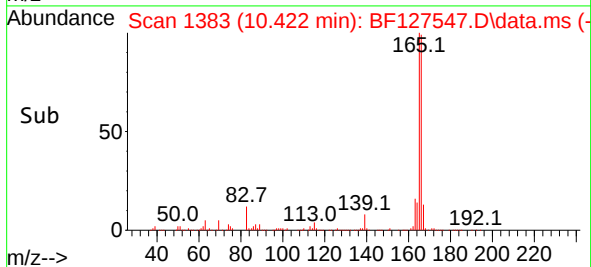
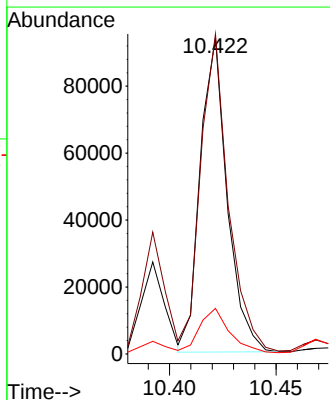
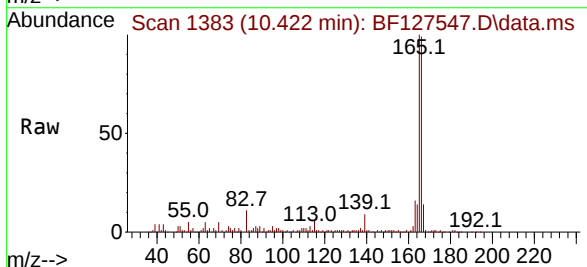
Instrument :
BNA_F
ClientSampleId :
20220344-MODIFIED-ELUTRIATE

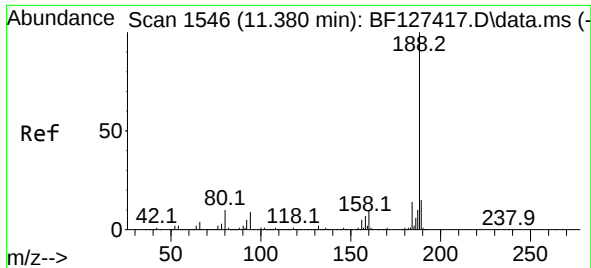
Tgt Ion:184 Resp: 256
Ion Ratio Lower Upper
184 100
63 324.3 58.1 87.1#
154 345.9 53.2 79.8#



#58
Fluorene
Concen: 5.425 ng
RT: 10.422 min Scan# 1383
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion:166 Resp: 82739
Ion Ratio Lower Upper
166 100
165 101.3 78.1 117.1
167 14.4 10.5 15.7

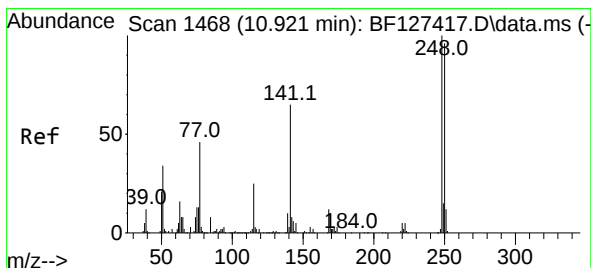
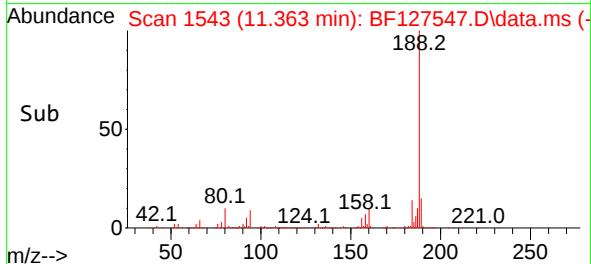
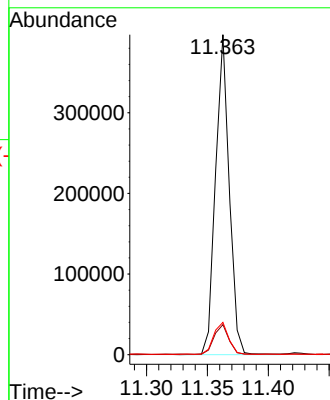
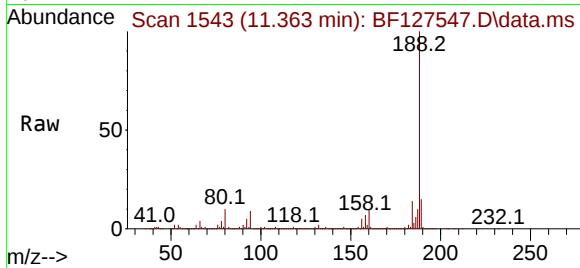




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

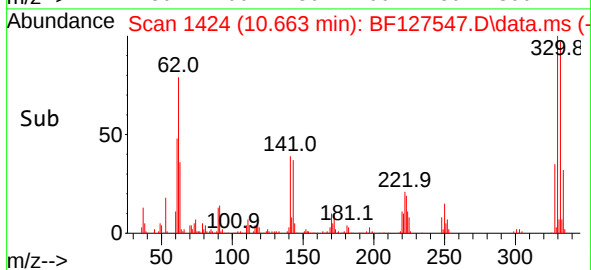
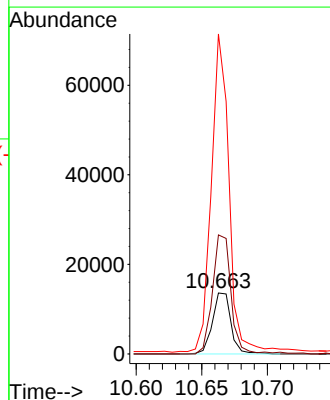
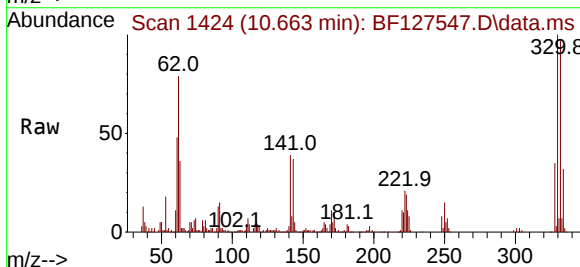
Instrument :
BNA_F
ClientSampleId :
20220344-MODIFIED-ELUTRIATE

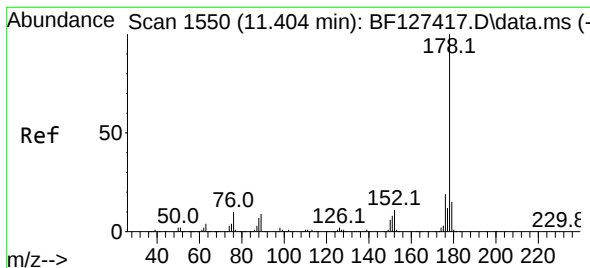
Tgt Ion:188 Resp: 310889
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.0
80 10.1 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 3.690 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.241 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion:248 Resp: 13392
Ion Ratio Lower Upper
248 100
250 195.3 76.6 115.0#
141 524.8 52.2 78.2#





#71

Phenanthrene

Concen: 13.614 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127547.D

Acq: 28 Mar 2022 17:42

Instrument :

BNA_F

ClientSampleId :

20220344-MODIFIED-ELUTRIATE

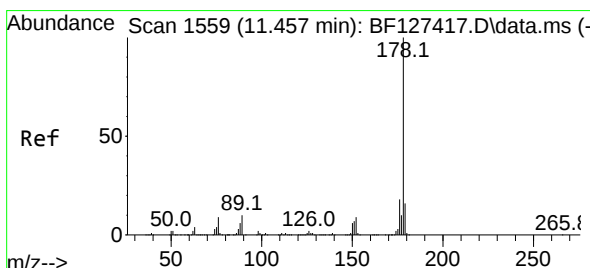
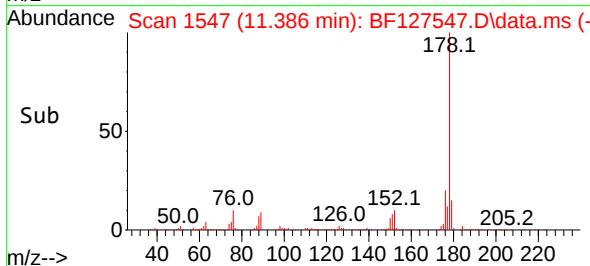
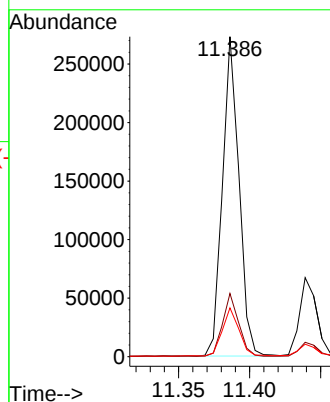
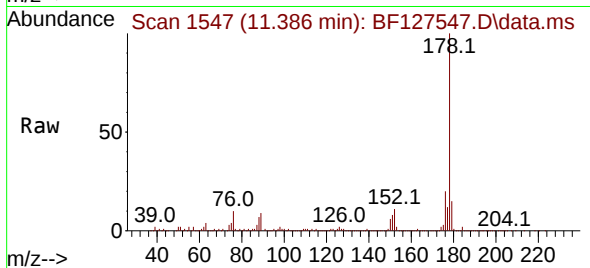
Tgt Ion:178 Resp: 220661

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.2

179 15.2 12.4 18.6



#72

Anthracene

Concen: 3.490 ng

RT: 11.439 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF127547.D

Acq: 28 Mar 2022 17:42

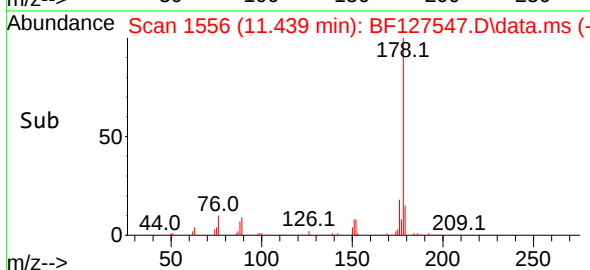
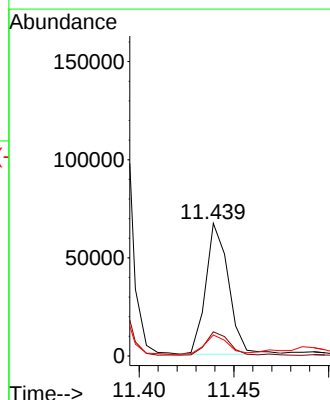
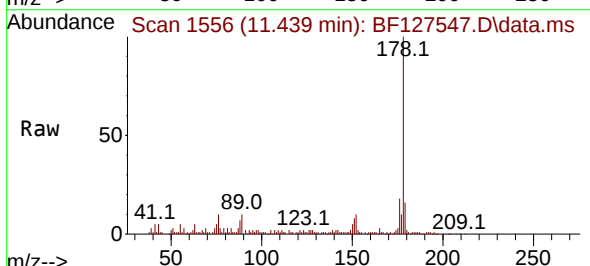
Tgt Ion:178 Resp: 56138

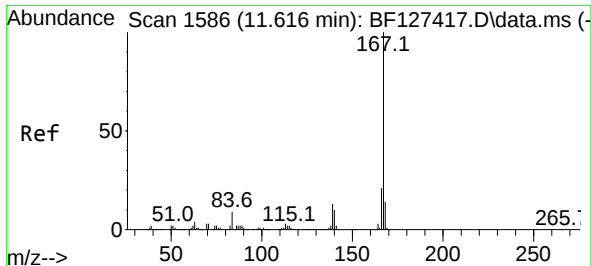
Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

179 15.8 12.4 18.6

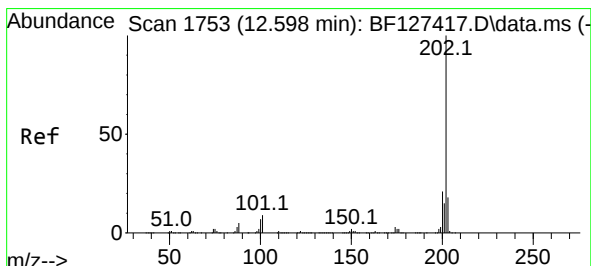
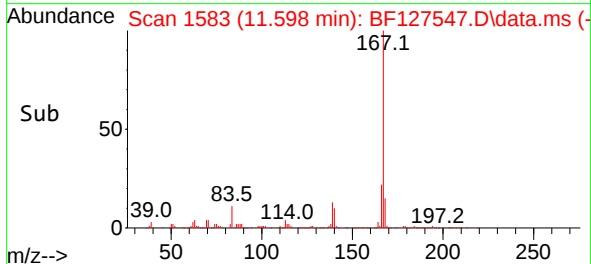
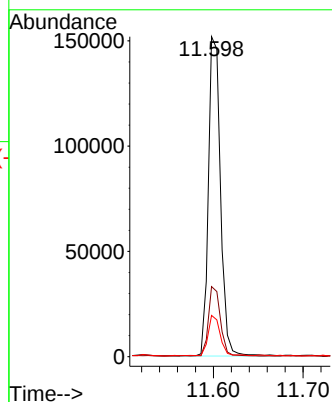
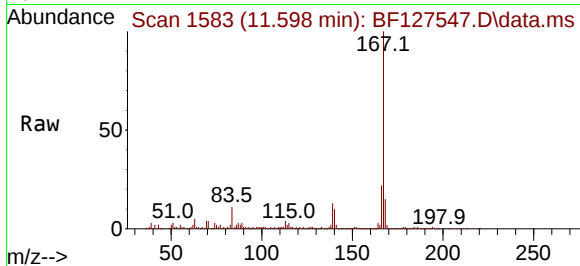




#73
 Carbazole
 Concen: 9.235 ng
 RT: 11.598 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127547.D
 Acq: 28 Mar 2022 17:42

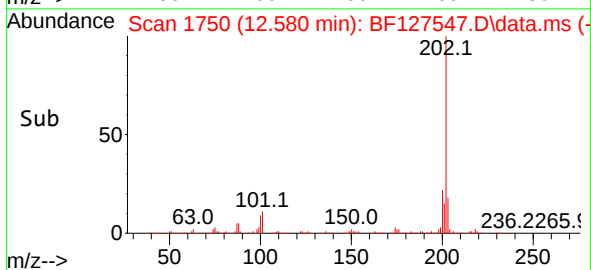
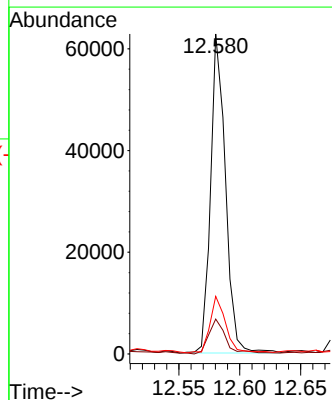
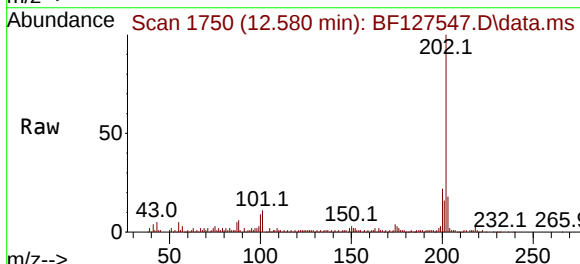
Instrument :
 BNA_F
 ClientSampleId :
 20220344-MODIFIED-ELUTRIATE

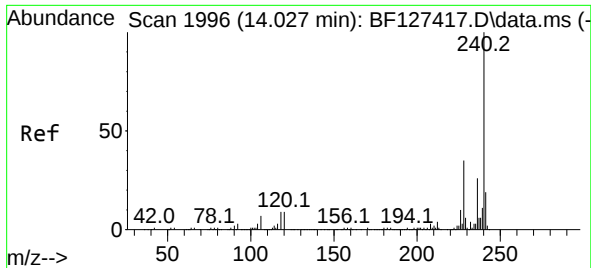
Tgt Ion:167	Resp:	142052
Ion Ratio	Lower	Upper
167	100	
166	21.9	17.0 25.4
139	12.9	10.5 15.7



#75
 Fluoranthene
 Concen: 3.001 ng
 RT: 12.580 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: BF127547.D
 Acq: 28 Mar 2022 17:42

Tgt Ion:202	Resp:	53497
Ion Ratio	Lower	Upper
202	100	
101	10.9	0.0 29.0
203	18.0	0.0 37.7

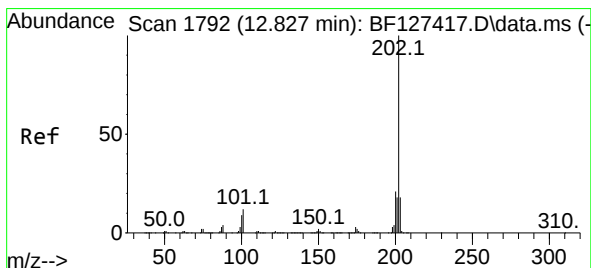
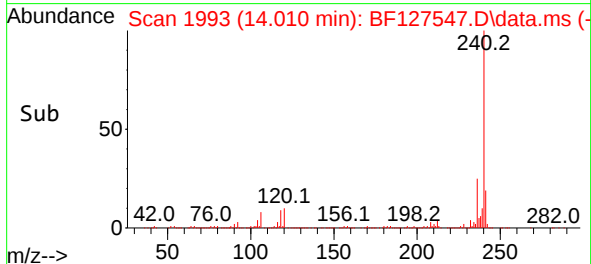
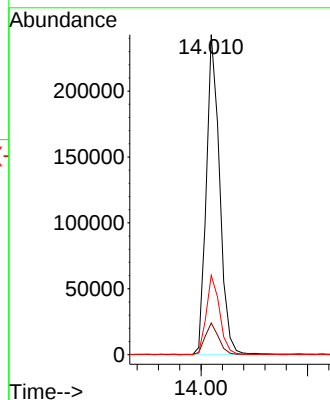
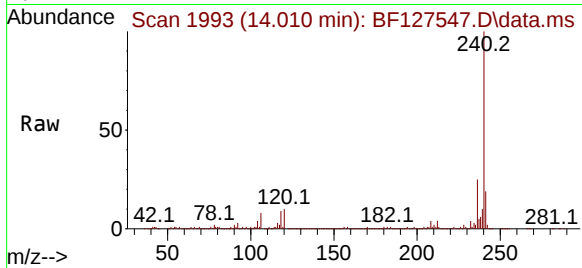




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

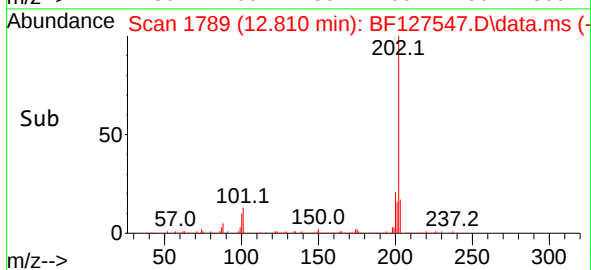
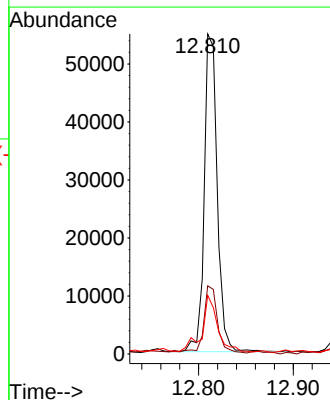
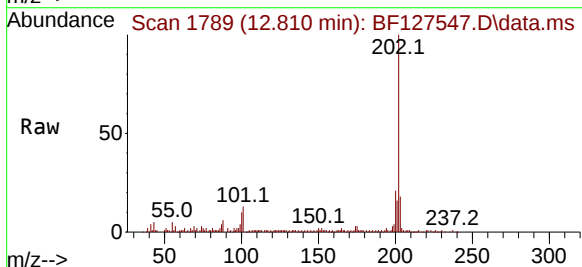
Instrument :
BNA_F
ClientSampleId :
20220344-MODIFIED-ELUTRIATE

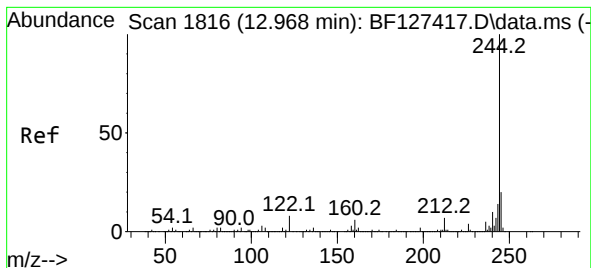
Tgt Ion:240 Resp: 211742
Ion Ratio Lower Upper
240 100
120 9.9 7.1 10.7
236 24.8 20.7 31.1



#78
Pyrene
Concen: 2.887 ng
RT: 12.810 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF127547.D
Acq: 28 Mar 2022 17:42

Tgt Ion:202 Resp: 52464
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.3 14.3 21.5





#79

Terphenyl-d14

Concen: 57.540 ng

RT: 12.945 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF127547.D

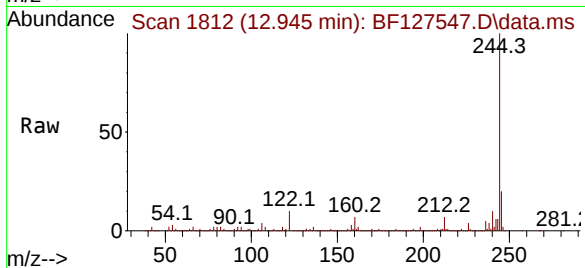
Acq: 28 Mar 2022 17:42

Instrument :

BNA_F

ClientSampleId :

20220344-MODIFIED-ELUTRIATE



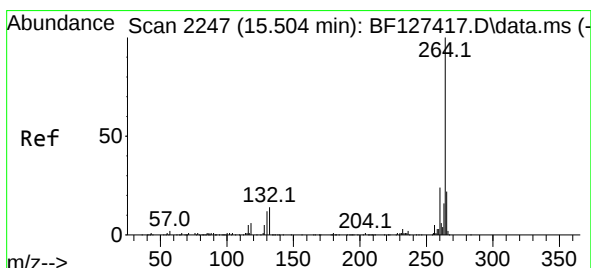
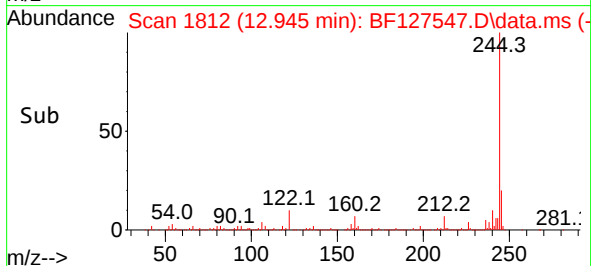
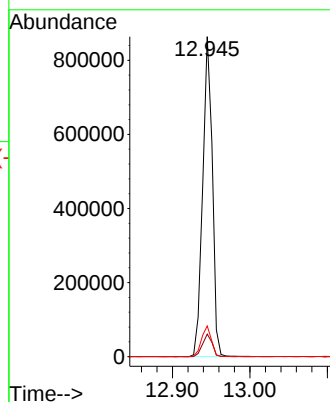
Tgt Ion:244 Resp: 744261

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 9.6 6.2 9.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2245

Delta R.T. 0.000 min

Lab File: BF127547.D

Acq: 28 Mar 2022 17:42

Tgt Ion:264 Resp: 198875

Ion Ratio Lower Upper

264 100

260 24.6 19.1 28.7

265 20.5 17.4 26.2

