

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030122\
 Data File : BF127134.D
 Acq On : 01 Mar 2022 23:46
 Operator : CG\JU
 Sample : N1664-07DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL

Quant Time: Mar 02 01:28:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

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

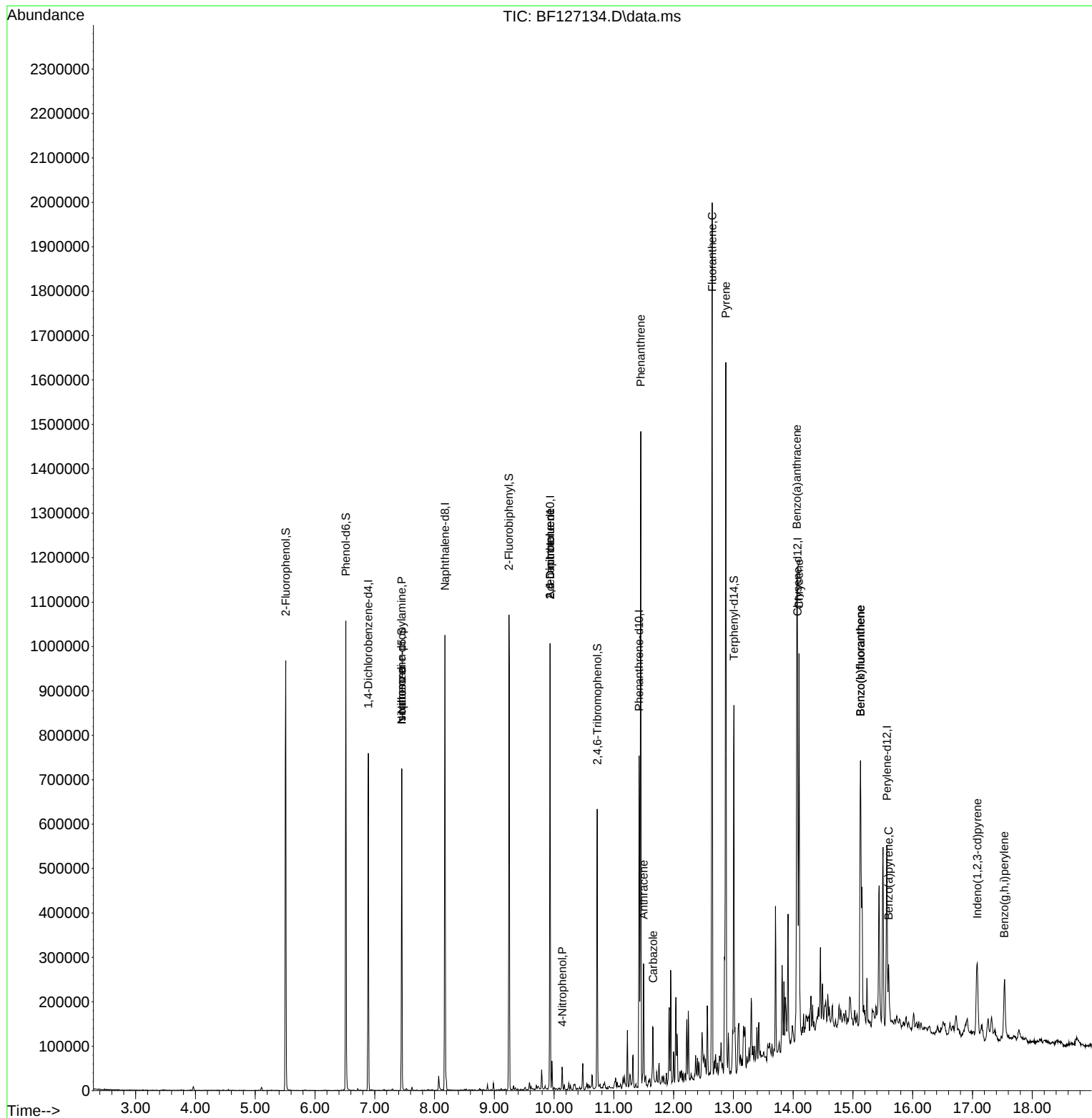
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	99617	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	376589	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	172944	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	260251	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	199156	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	164901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	218368	33.880	ng	0.00
7) Phenol-d6	6.516	99	283308	32.575	ng	0.00
23) Nitrobenzene-d5	7.451	82	192921	23.123	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	58942	29.601	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	298207	25.384	ng	0.00
79) Terphenyl-d14	13.010	244	257907	19.037	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	25628	4.573	ng	# 80
25) Isophorone	7.451	82	192919	13.974	ng	# 69
51) 2,6-Dinitrotoluene	9.933	165	22598	8.985	ng	# 22
56) 4-Nitrophenol	10.139	139	6367	2.804	ng	# 5
57) 2,4-Dinitrotoluene	9.933	165	22598	6.645	ng	# 16
71) Phenanthrene	11.451	178	483779	33.211	ng	99
72) Anthracene	11.498	178	90070	6.211	ng	99
73) Carbazole	11.657	167	46734	3.514	ng	98
75) Fluoranthene	12.645	202	713838	51.611	ng	94
78) Pyrene	12.874	202	594648	34.368	ng	99
81) Benzo(a)anthracene	14.063	228	344208	25.637	ng	99
83) Chrysene	14.098	228	278074	22.024	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	114410	10.581	ng	# 83
88) Benzo(b)fluoranthene	15.127	252	436983	39.455	ng	# 94
89) Benzo(k)fluoranthene	15.127	252	436983	40.907	ng	# 95
90) Benzo(a)pyrene	15.598	252	53575	6.193	ng	99
92) Benzo(g,h,i)perylene	17.533	276	97838	11.097	ng	# 85

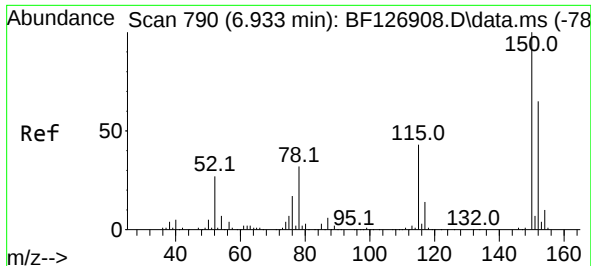
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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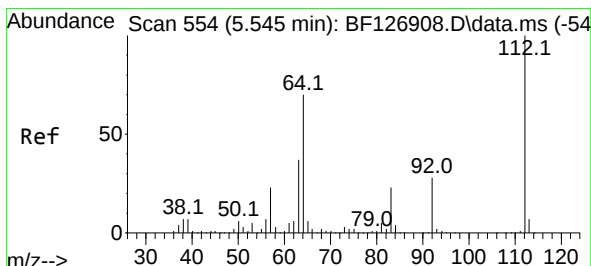
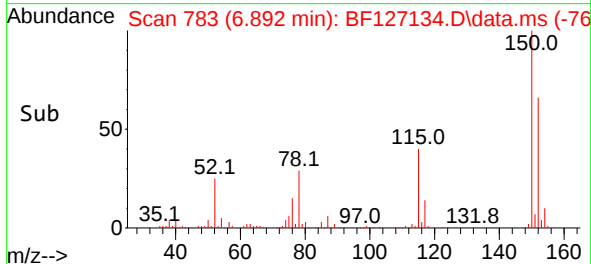
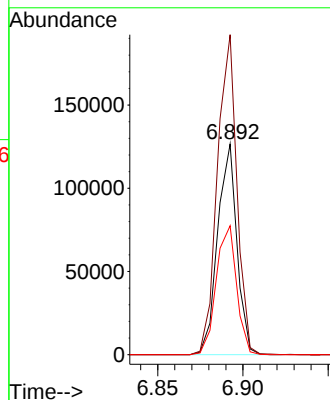
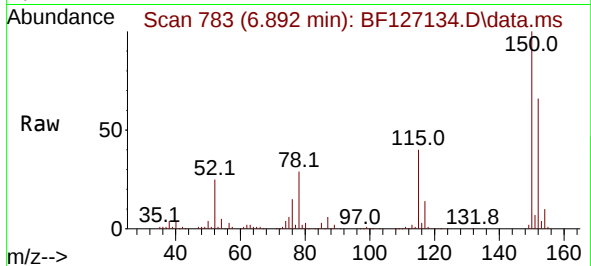




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 71
 Delta R.T. -0.001 min
 Lab File: BF127134.D
 Acq: 01 Mar 2022 23:46

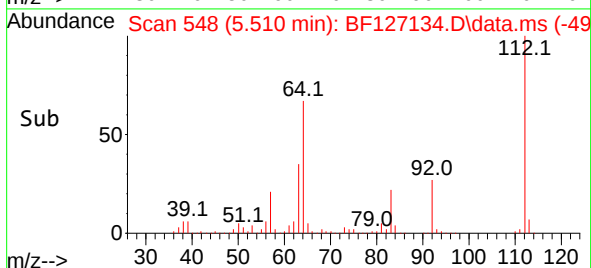
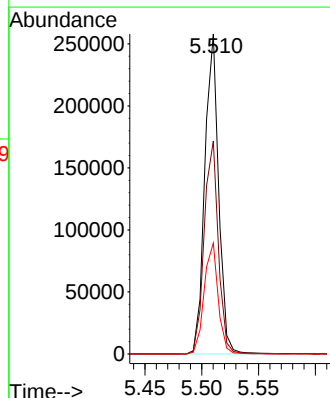
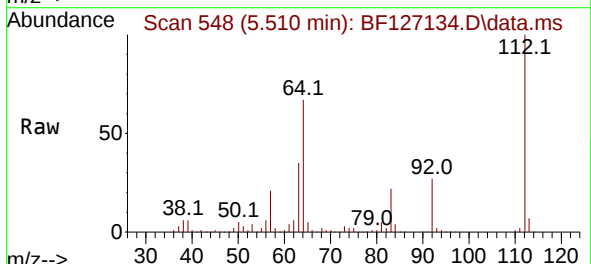
Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL

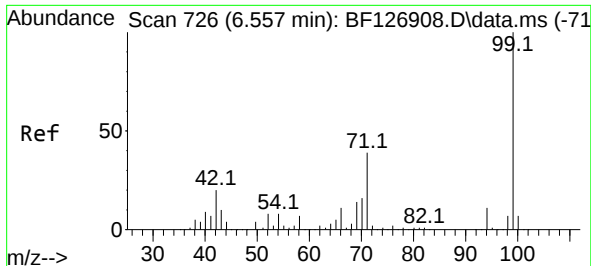
Tgt Ion:152 Resp: 99617
 Ion Ratio Lower Upper
 152 100
 150 151.8 128.1 192.1
 115 61.2 56.7 85.1



#5
 2-Fluorophenol
 Concen: 33.880 ng
 RT: 5.510 min Scan# 548
 Delta R.T. -0.000 min
 Lab File: BF127134.D
 Acq: 01 Mar 2022 23:46

Tgt Ion:112 Resp: 218368
 Ion Ratio Lower Upper
 112 100
 64 66.5 49.5 74.3
 63 34.6 23.9 35.9

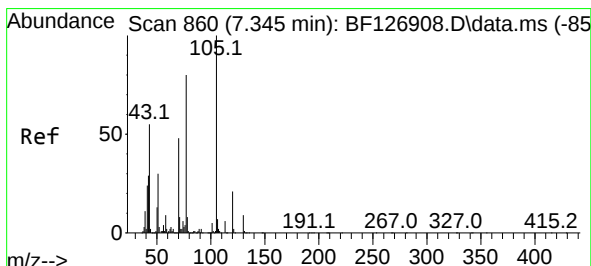
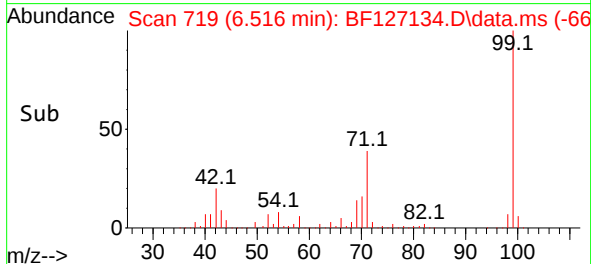
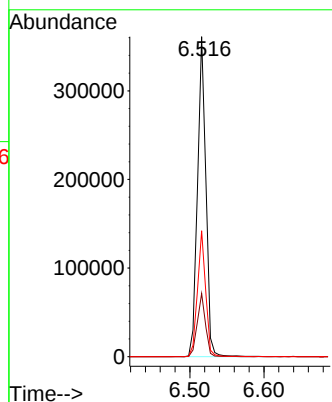
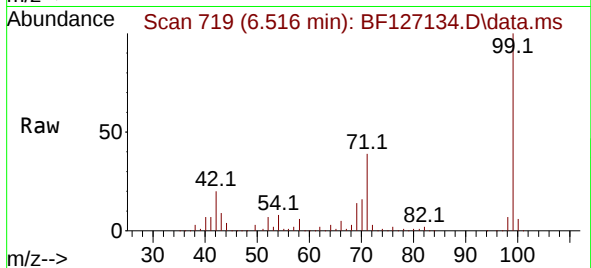




#7
Phenol-d6
Concen: 32.575 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

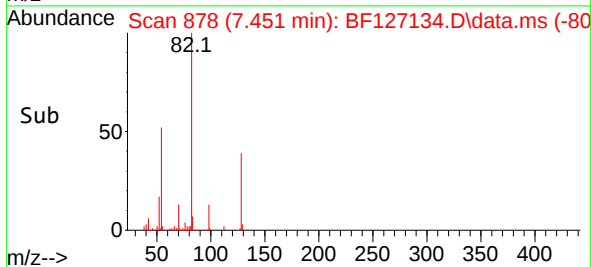
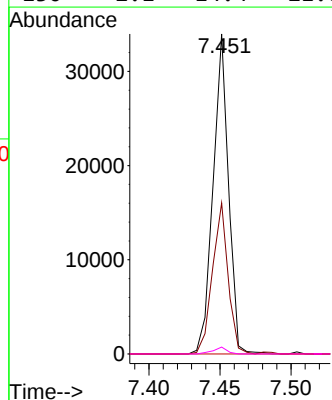
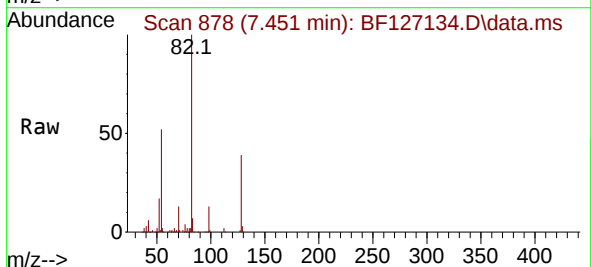
Instrument :
BNA_F
ClientSampleId :
TP-3DL

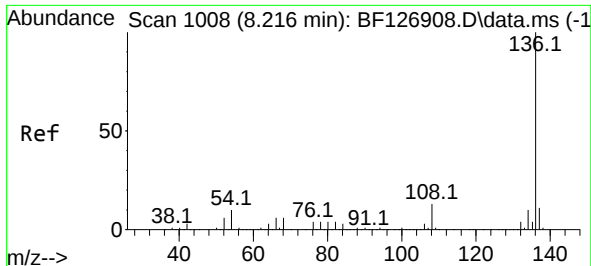
Tgt Ion: 99 Resp: 283308
Ion Ratio Lower Upper
99 100
42 19.7 14.2 21.4
71 39.4 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 4.573 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.147 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

Tgt Ion: 70 Resp: 25628
Ion Ratio Lower Upper
70 100
42 47.2 45.8 68.8
101 0.0 6.9 10.3#
130 2.1 14.4 21.6#

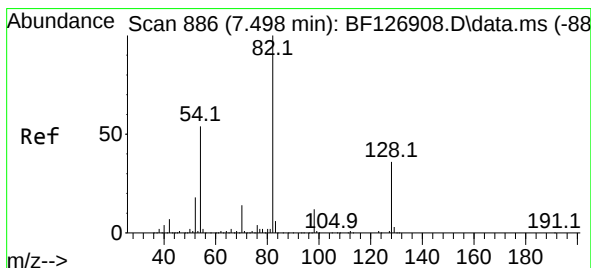
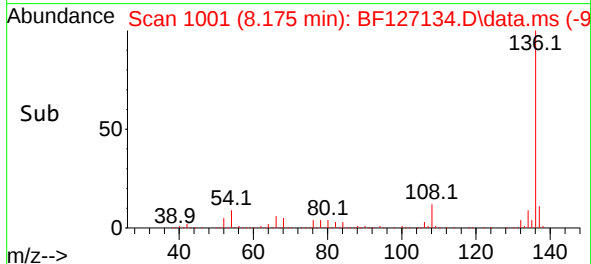
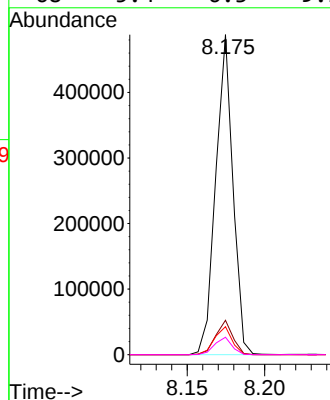
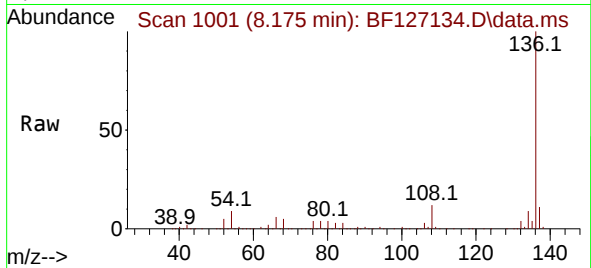




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

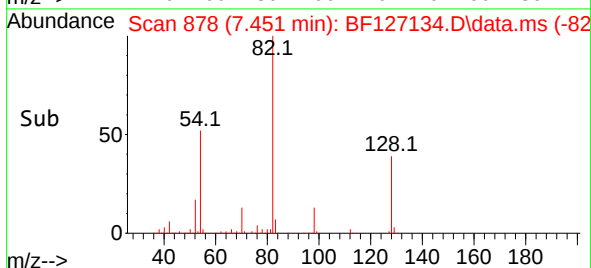
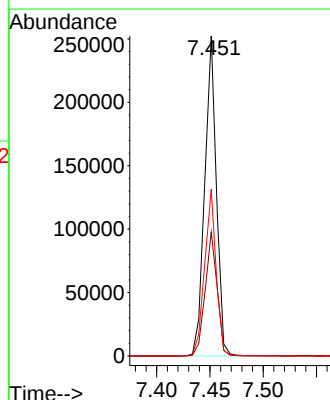
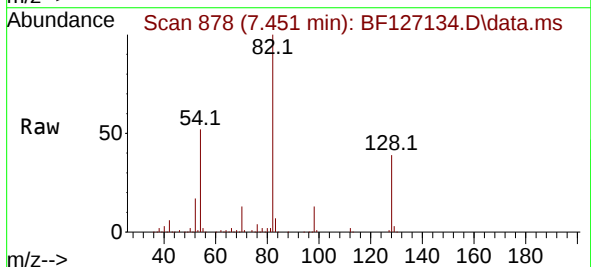
Instrument :
BNA_F
ClientSampleId :
TP-3DL

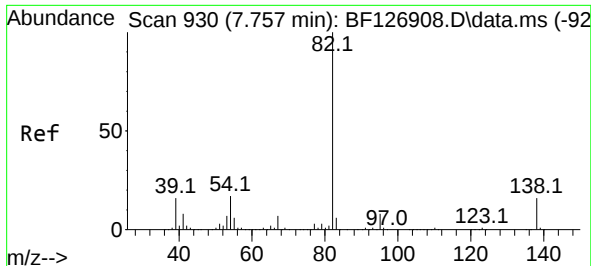
Tgt Ion:136 Resp: 376589
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.8 7.8 11.6
68 5.4 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 23.123 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

Tgt Ion: 82 Resp: 192921
Ion Ratio Lower Upper
82 100
128 38.7 32.7 49.1
54 52.1 41.7 62.5

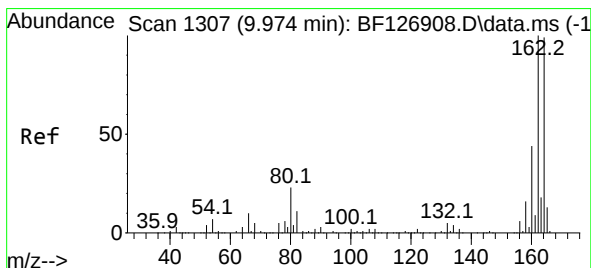
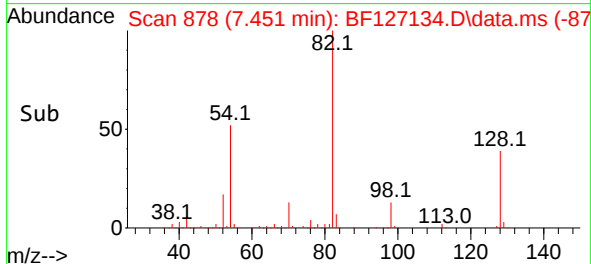
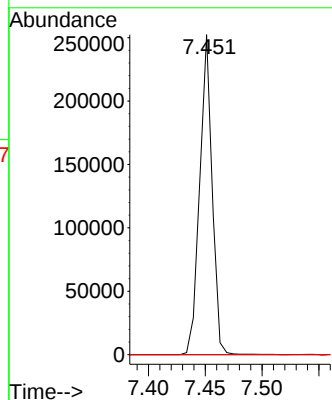
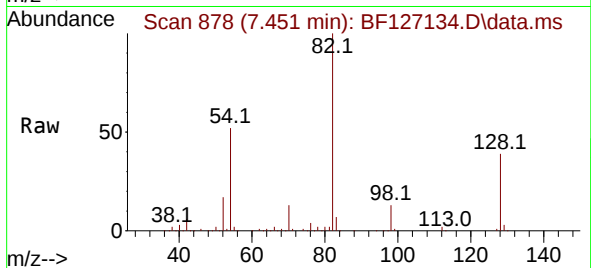




#25
Isophorone
Concen: 13.974 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

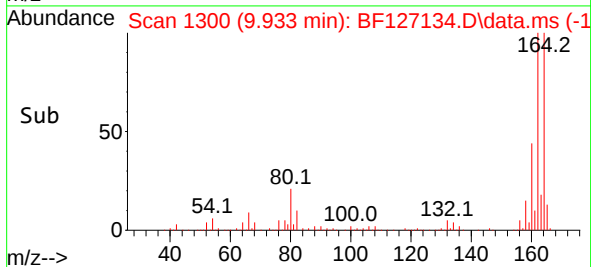
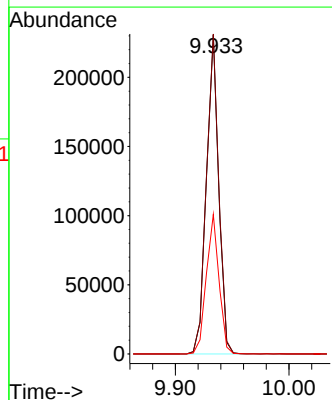
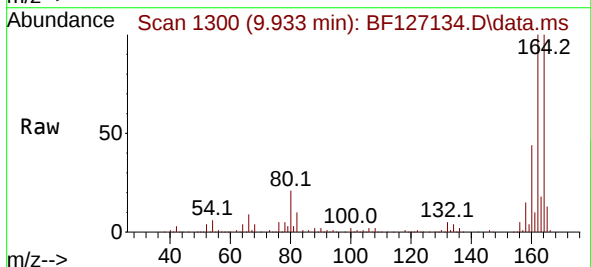
Instrument :
BNA_F
ClientSampleId :
TP-3DL

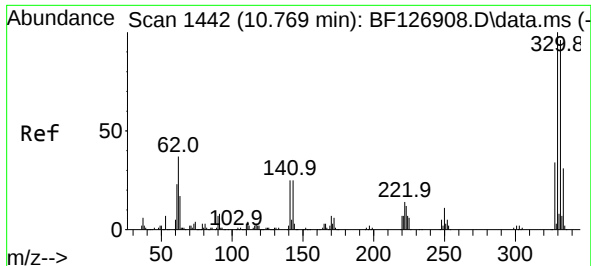
Tgt Ion: 82 Resp: 192919
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

Tgt Ion: 164 Resp: 172944
Ion Ratio Lower Upper
164 100
162 100.3 81.4 122.0
160 43.7 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 29.601 ng

RT: 10.722 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF127134.D

Acq: 01 Mar 2022 23:46

Instrument :

BNA_F

ClientSampleId :

TP-3DL

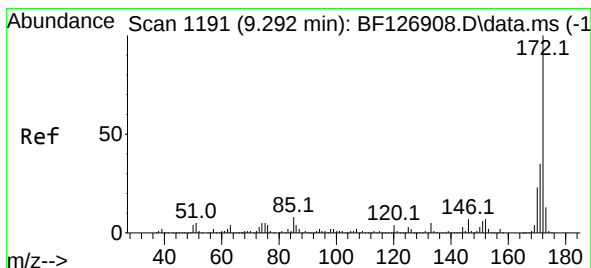
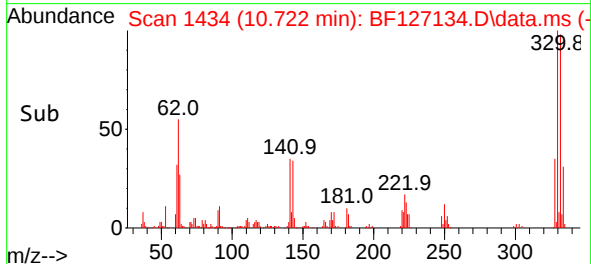
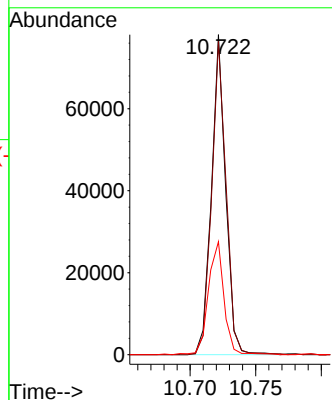
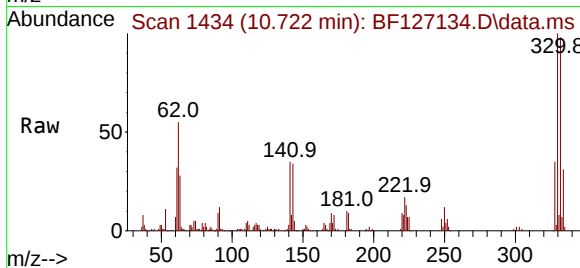
Tgt Ion:330 Resp: 58942

Ion Ratio Lower Upper

330 100

332 99.2 76.0 114.0

141 39.1 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 25.384 ng

RT: 9.245 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF127134.D

Acq: 01 Mar 2022 23:46

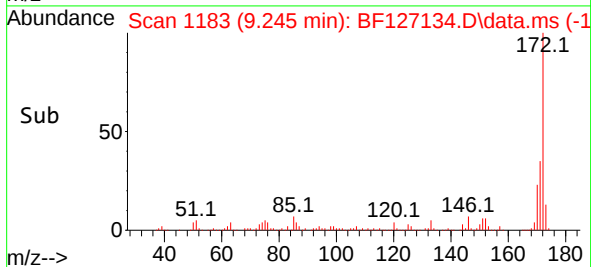
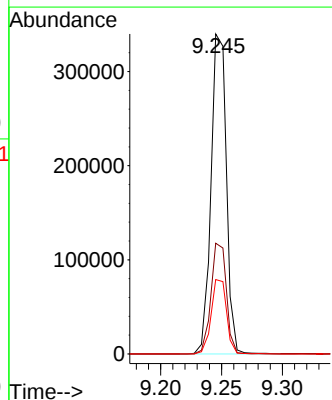
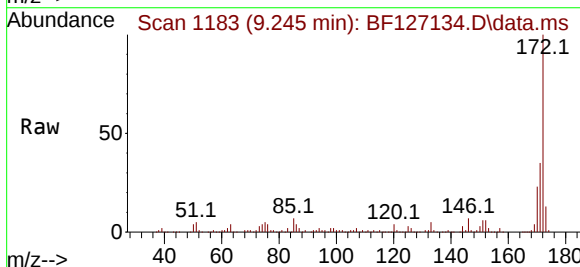
Tgt Ion:172 Resp: 298207

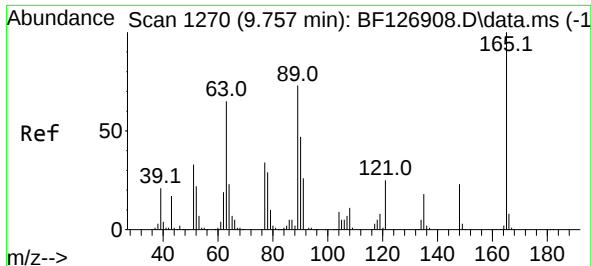
Ion Ratio Lower Upper

172 100

171 34.6 28.3 42.5

170 23.3 19.0 28.6

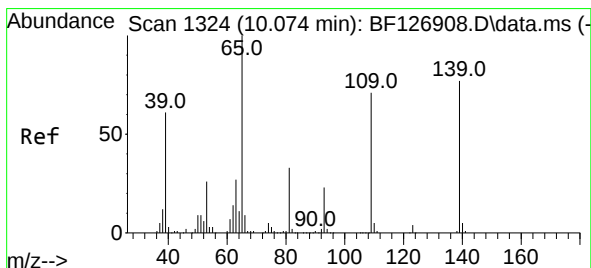
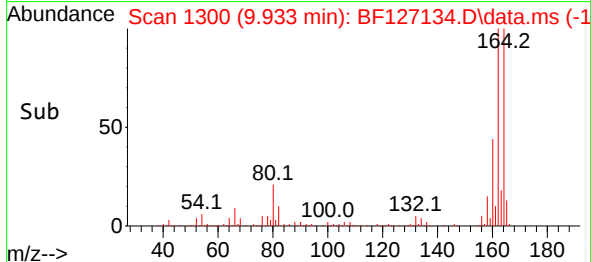
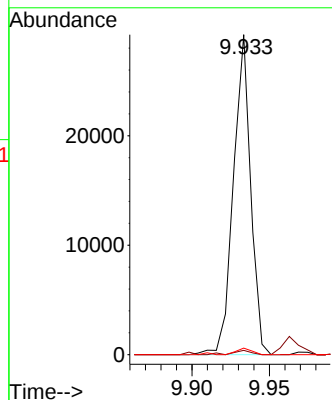
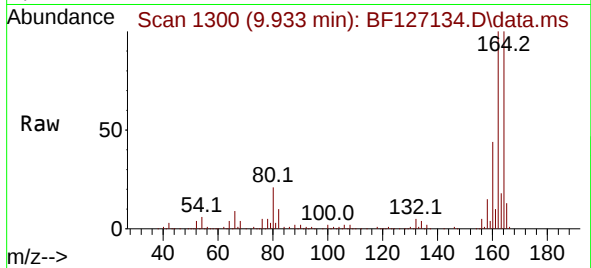




#51
2,6-Dinitrotoluene
Concen: 8.985 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

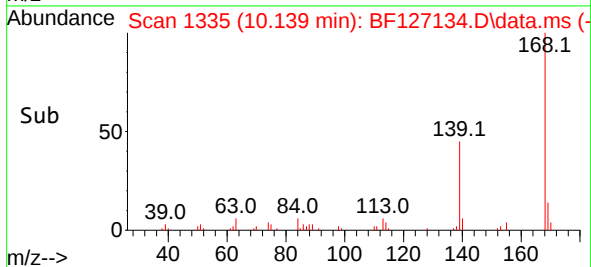
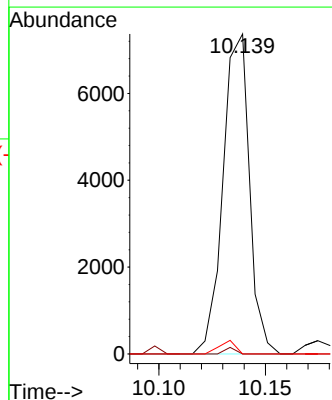
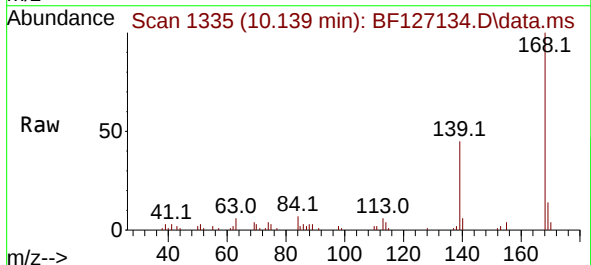
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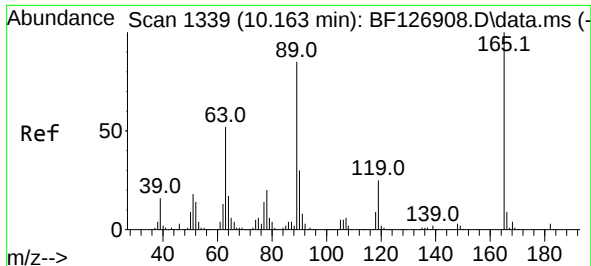
Tgt Ion:165 Resp: 22598
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 2.1 50.5 75.7#



#56
4-Nitrophenol
Concen: 2.804 ng
RT: 10.139 min Scan# 1335
Delta R.T. 0.088 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

Tgt Ion:139 Resp: 6367
Ion Ratio Lower Upper
139 100
109 0.0 44.1 84.1#
65 0.0 85.5 125.5#

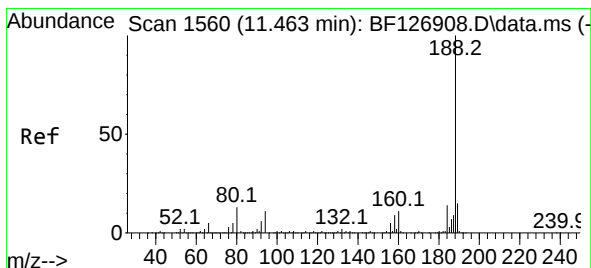
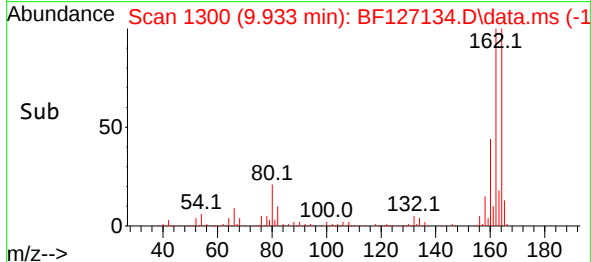
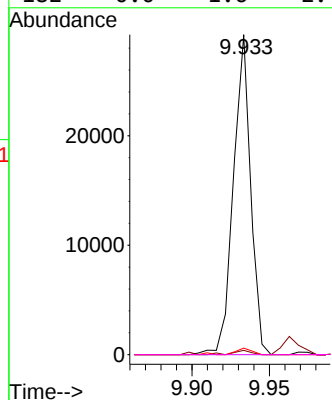
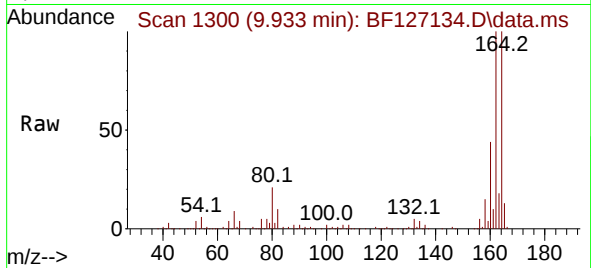




#57
2,4-Dinitrotoluene
Concen: 6.645 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

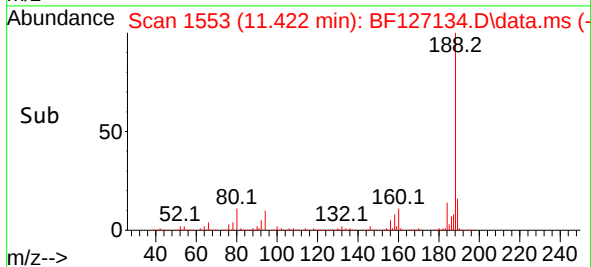
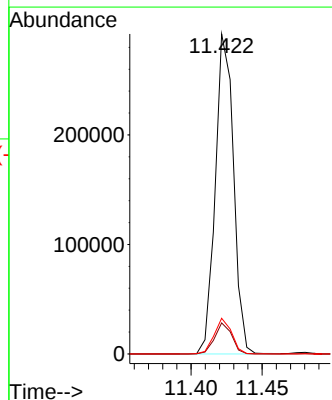
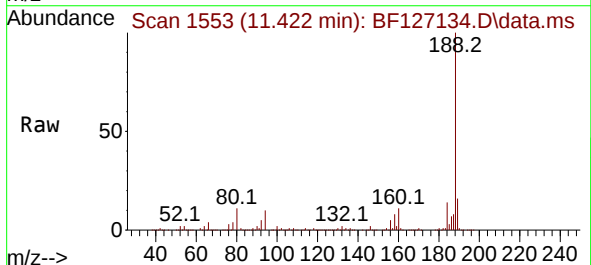
Instrument :
BNA_F
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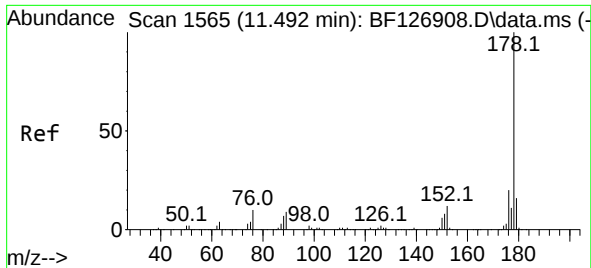
Tgt Ion:165 Resp: 22598
Ion Ratio Lower Upper
165 100
63 1.3 43.0 64.6#
89 2.1 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

Tgt Ion:188 Resp: 260251
Ion Ratio Lower Upper
188 100
94 9.7 10.1 15.1#
80 11.2 11.8 17.6#

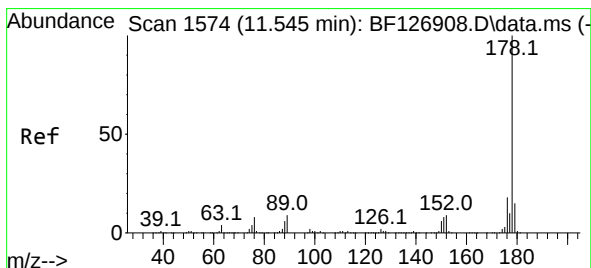
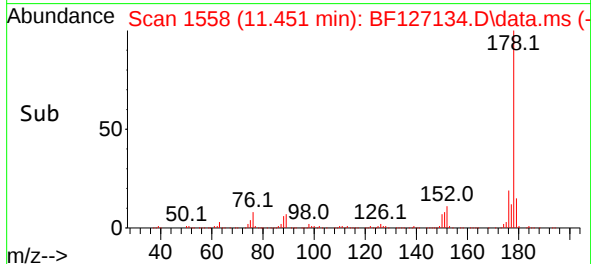
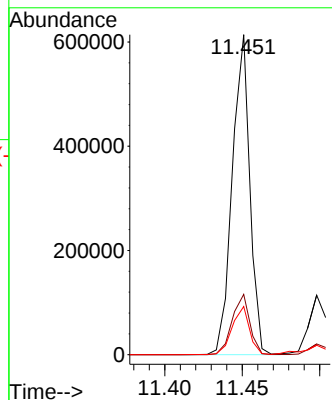
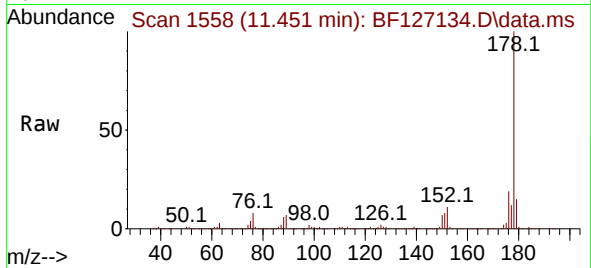




#71
Phenanthrene
Concen: 33.211 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.000 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

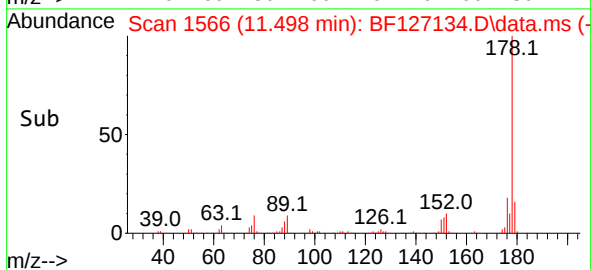
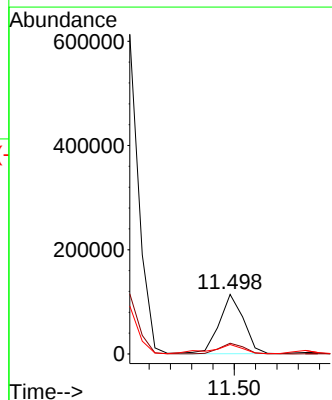
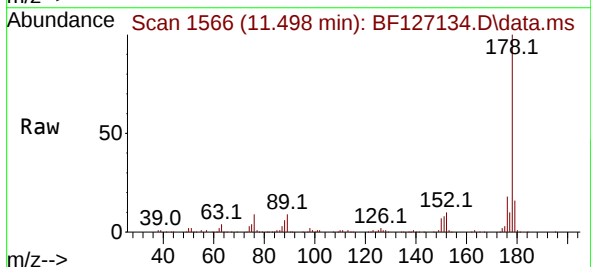
Instrument :
BNA_F
ClientSampleId :
TP-3DL

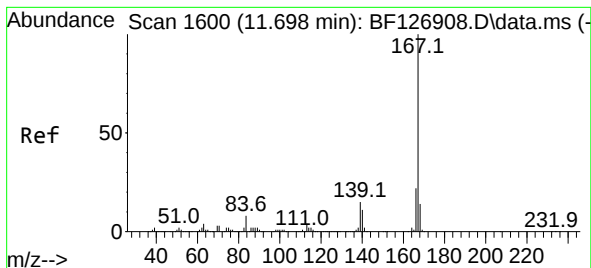
Tgt Ion:178 Resp: 483779
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.1 12.3 18.5



#72
Anthracene
Concen: 6.211 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

Tgt Ion:178 Resp: 90070
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 15.8 12.5 18.7





#73

Carbazole

Concen: 3.514 ng

RT: 11.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127134.D

Acq: 01 Mar 2022 23:46

Instrument :

BNA_F

ClientSampleId :

TP-3DL

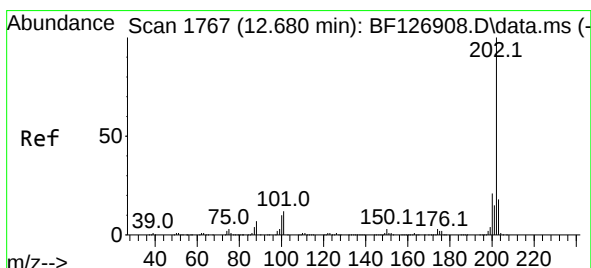
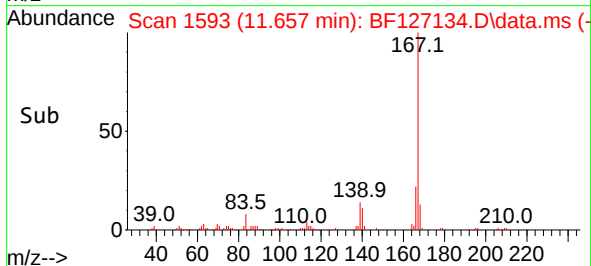
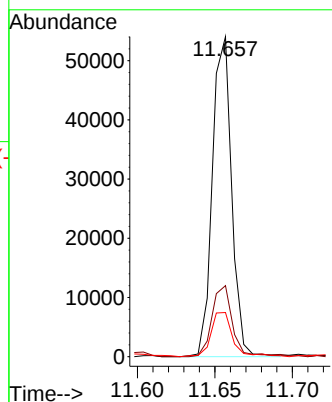
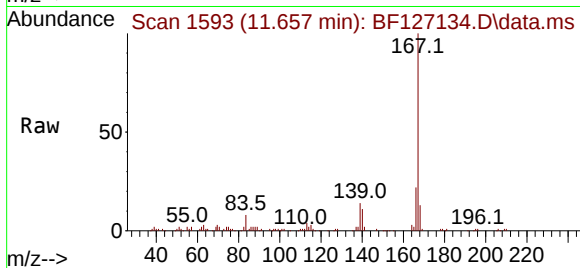
Tgt Ion:167 Resp: 46734

Ion Ratio Lower Upper

167 100

166 22.2 16.9 25.3

139 13.8 11.3 16.9



#75

Fluoranthene

Concen: 51.611 ng

RT: 12.645 min Scan# 1761

Delta R.T. -0.000 min

Lab File: BF127134.D

Acq: 01 Mar 2022 23:46

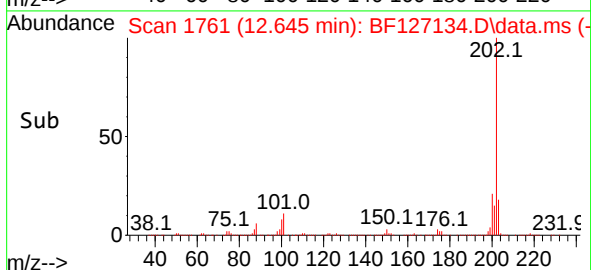
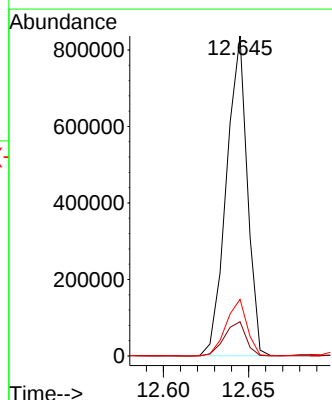
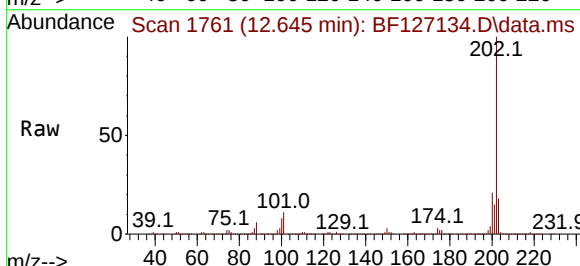
Tgt Ion:202 Resp: 713838

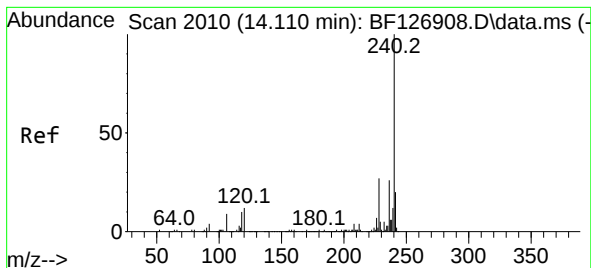
Ion Ratio Lower Upper

202 100

101 10.7 0.0 35.7

203 17.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF127134.D

Acq: 01 Mar 2022 23:46

Instrument :

BNA_F

ClientSampleId :

TP-3DL

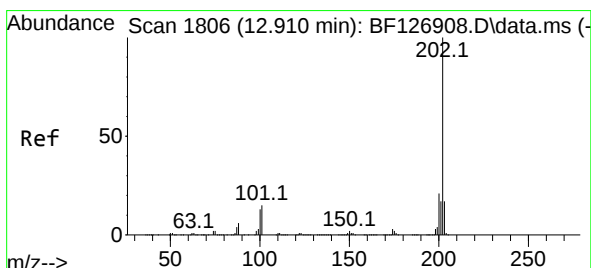
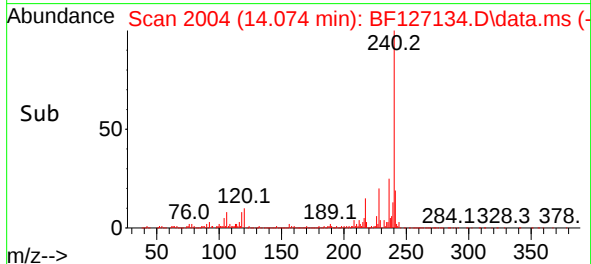
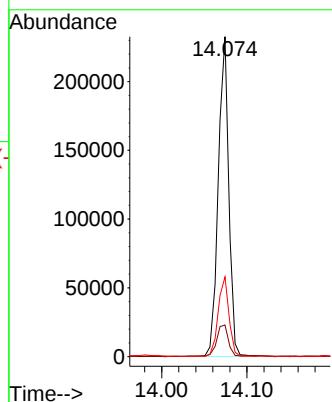
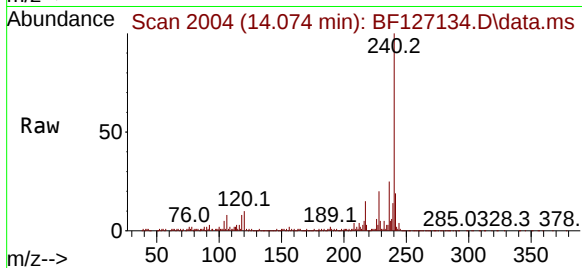
Tgt Ion:240 Resp: 199156

Ion Ratio Lower Upper

240 100

120 9.9 14.4 21.6#

236 24.9 20.5 30.7



#78

Pyrene

Concen: 34.368 ng

RT: 12.874 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BF127134.D

Acq: 01 Mar 2022 23:46

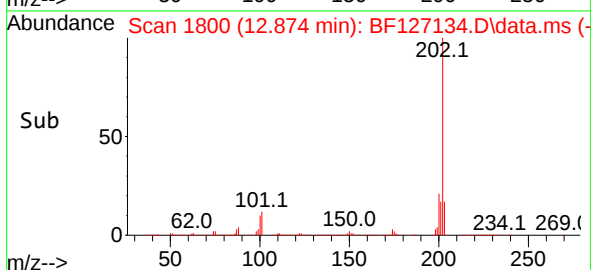
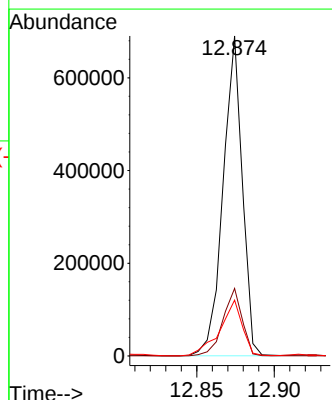
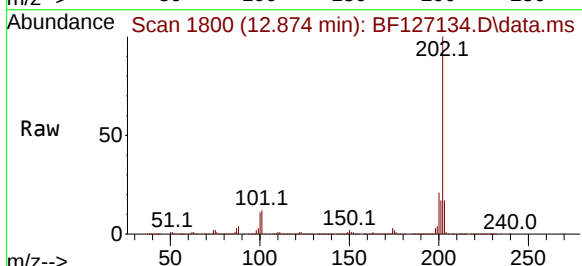
Tgt Ion:202 Resp: 594648

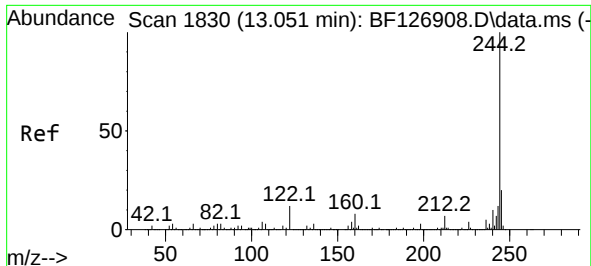
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 17.5 13.8 20.8

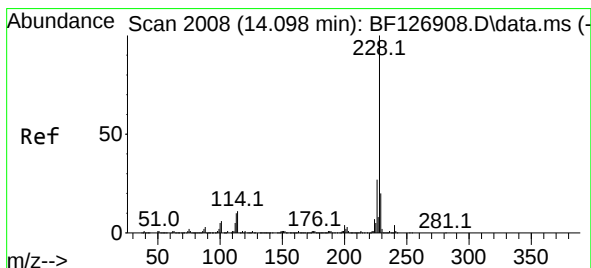
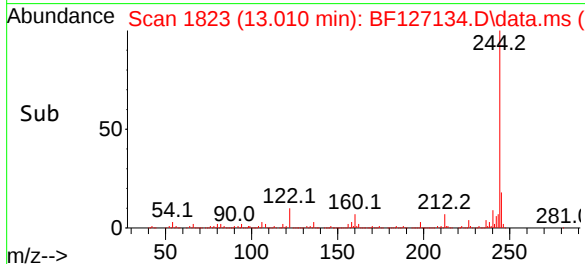
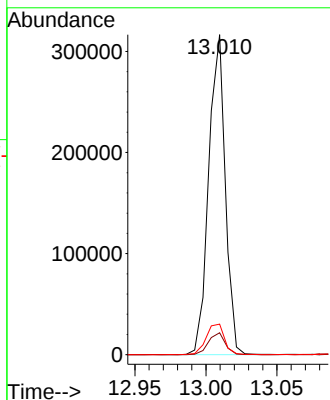
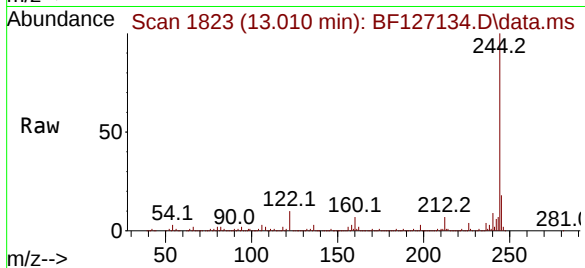




#79
 Terphenyl-d14
 Concen: 19.037 ng
 RT: 13.010 min Scan# 1823
 Delta R.T. -0.006 min
 Lab File: BF127134.D
 Acq: 01 Mar 2022 23:46

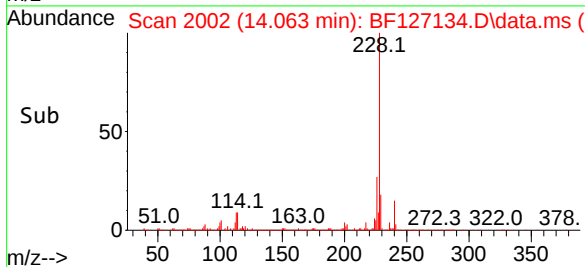
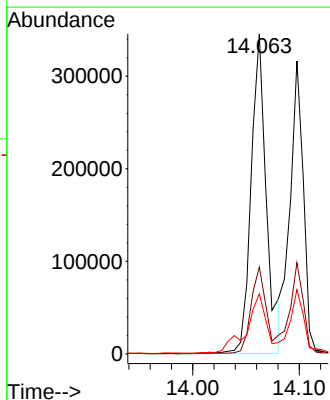
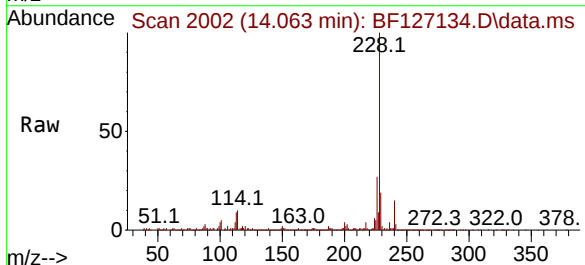
Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL

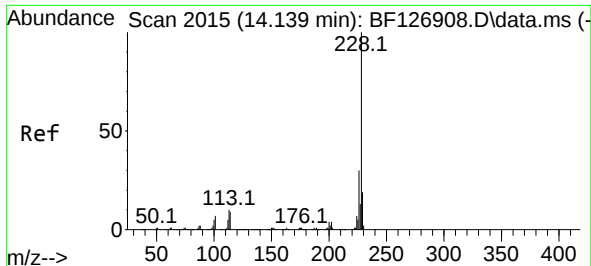
Tgt Ion:244 Resp: 257907
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.4
 122 9.6 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 25.637 ng
 RT: 14.063 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: BF127134.D
 Acq: 01 Mar 2022 23:46

Tgt Ion:228 Resp: 344208
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.4 32.0
 229 18.8 15.4 23.2

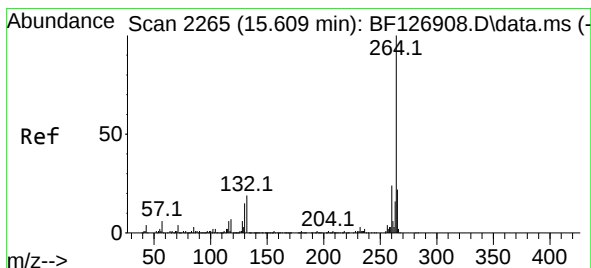
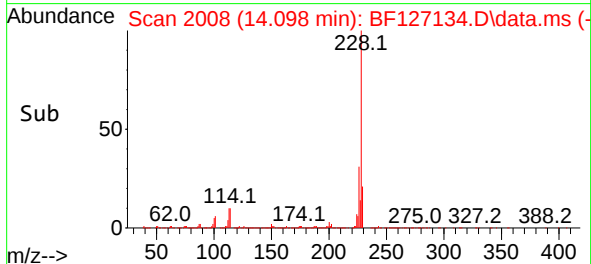
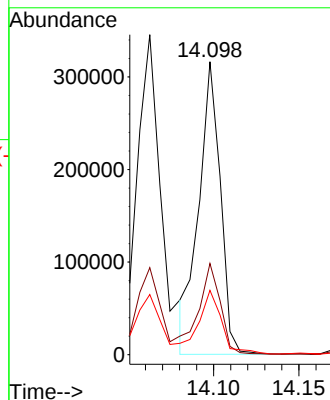
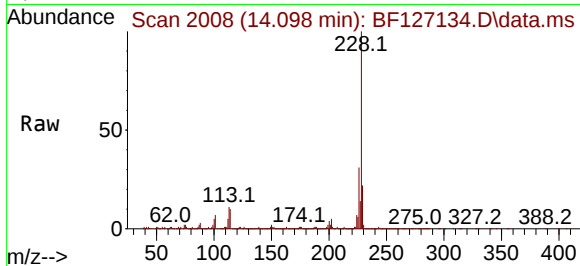




#83
Chrysene
Concen: 22.024 ng
RT: 14.098 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

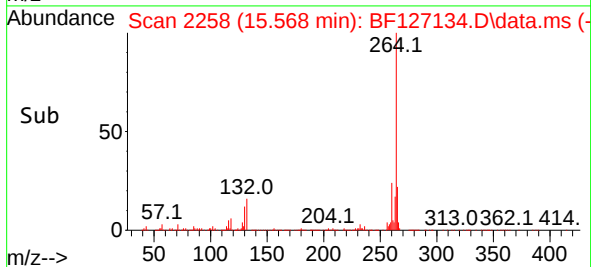
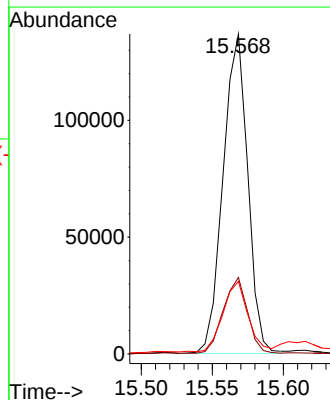
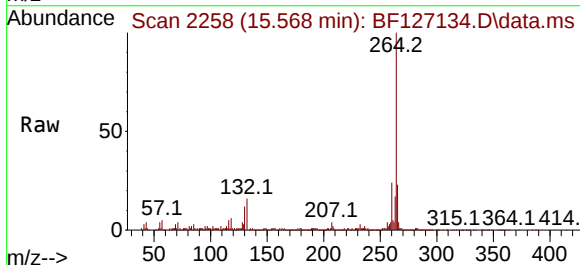
Instrument :
BNA_F
ClientSampleId :
TP-3DL

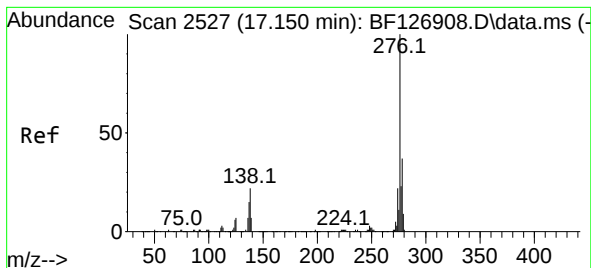
Tgt Ion:228 Resp: 278074
Ion Ratio Lower Upper
228 100
226 31.1 23.7 35.5
229 22.0 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2258
Delta R.T. -0.000 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

Tgt Ion:264 Resp: 164901
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.581 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127134.D

Acq: 01 Mar 2022 23:46

Instrument :

BNA_F

ClientSampleId :

TP-3DL

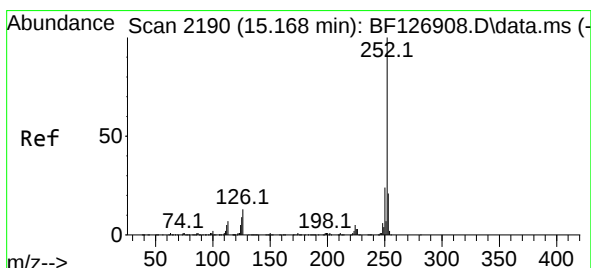
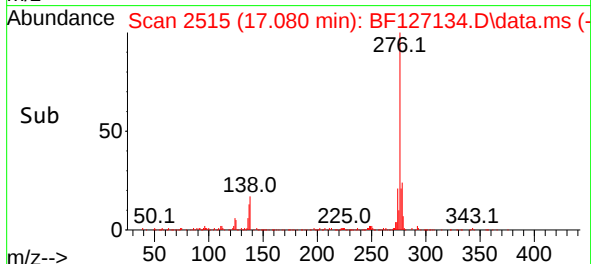
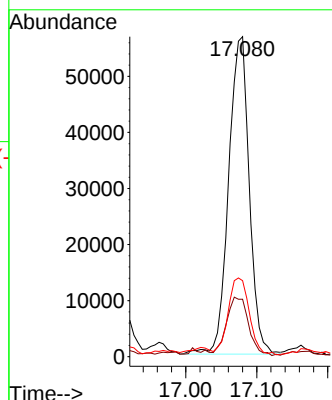
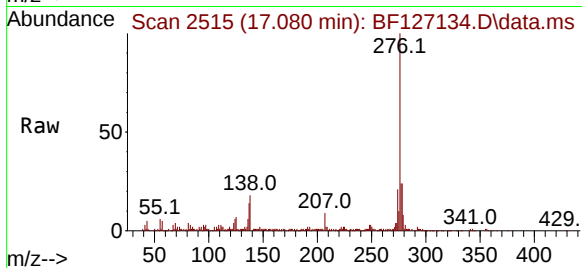
Tgt Ion:276 Resp: 114410

Ion Ratio Lower Upper

276 100

138 19.5 29.2 43.8#

277 24.3 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 39.455 ng

RT: 15.127 min Scan# 2183

Delta R.T. -0.000 min

Lab File: BF127134.D

Acq: 01 Mar 2022 23:46

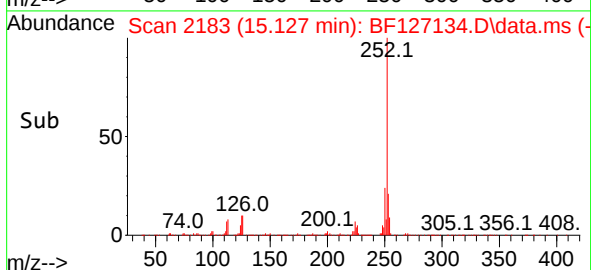
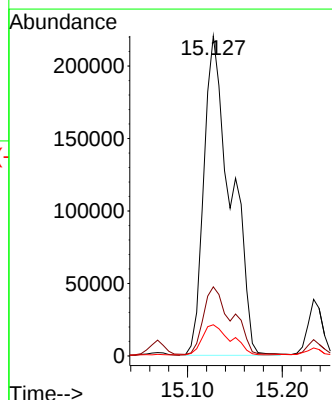
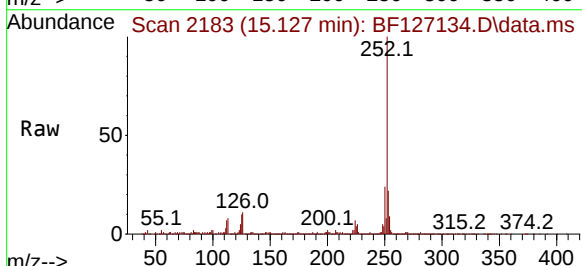
Tgt Ion:252 Resp: 436983

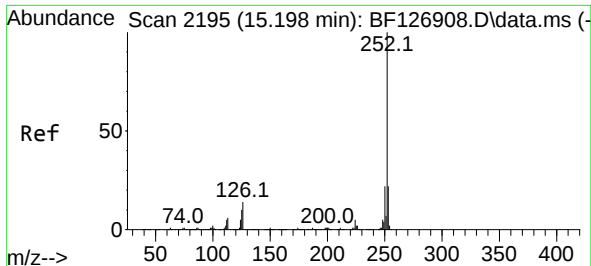
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 9.8 12.4 18.6#

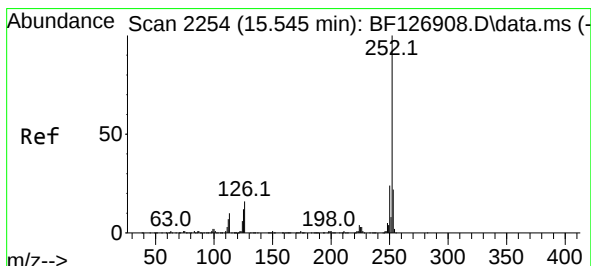
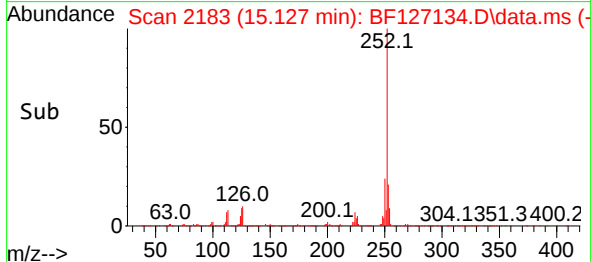
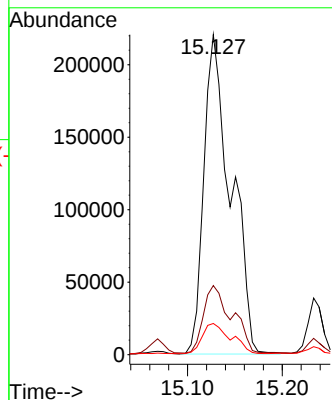
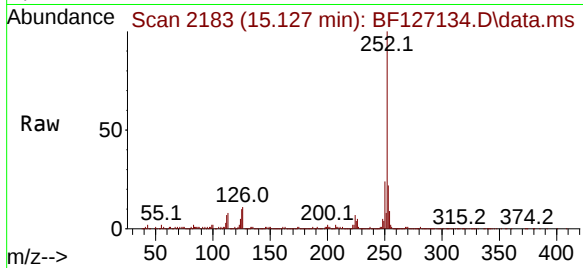




#89
Benzo(k)fluoranthene
Concen: 40.907 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

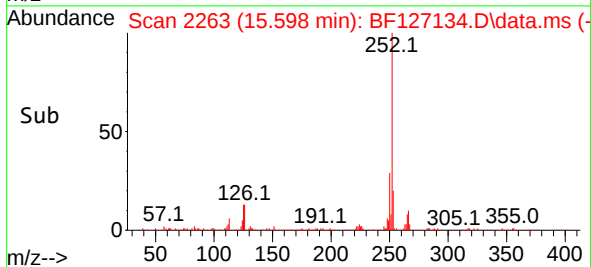
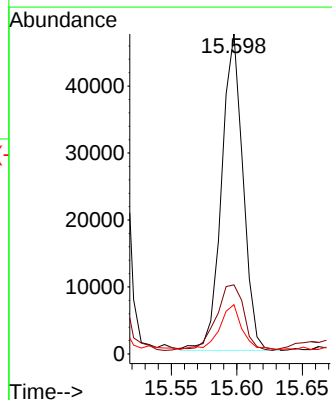
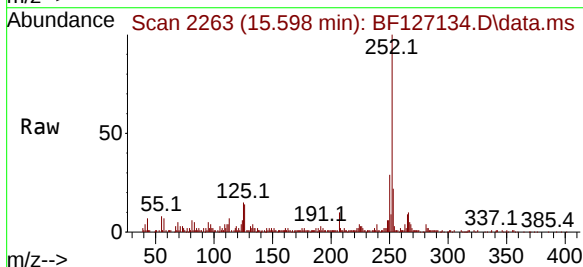
Instrument :
BNA_F
ClientSampleId :
TP-3DL

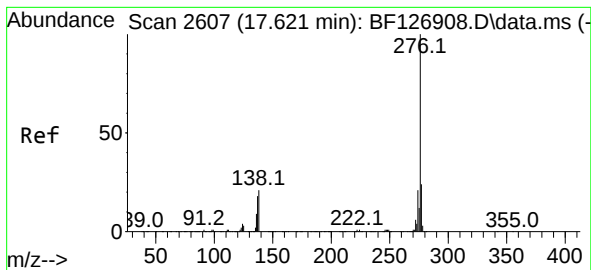
Tgt Ion:252 Resp: 436983
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 9.8 11.8 17.6#



#90
Benzo(a)pyrene
Concen: 6.193 ng
RT: 15.598 min Scan# 2263
Delta R.T. 0.094 min
Lab File: BF127134.D
Acq: 01 Mar 2022 23:46

Tgt Ion:252 Resp: 53575
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 15.4 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 11.097 ng

RT: 17.533 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF127134.D

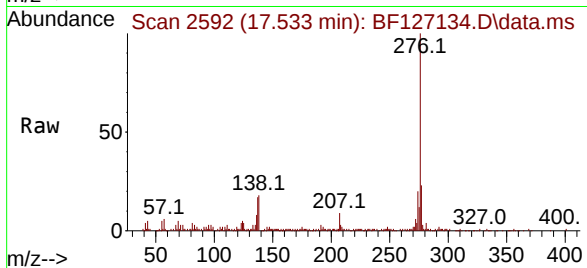
Acq: 01 Mar 2022 23:46

Instrument :

BNA_F

ClientSampleId :

TP-3DL



Tgt Ion:276 Resp: 97838

Ion Ratio Lower Upper

276 100

277 23.1 18.5 27.7

138 18.5 25.9 38.9#

