

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
 Data File : BF127265.D
 Acq On : 08 Mar 2022 18:29
 Operator : CG\JU
 Sample : N1830-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 350

Quant Time: Mar 09 01:19:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

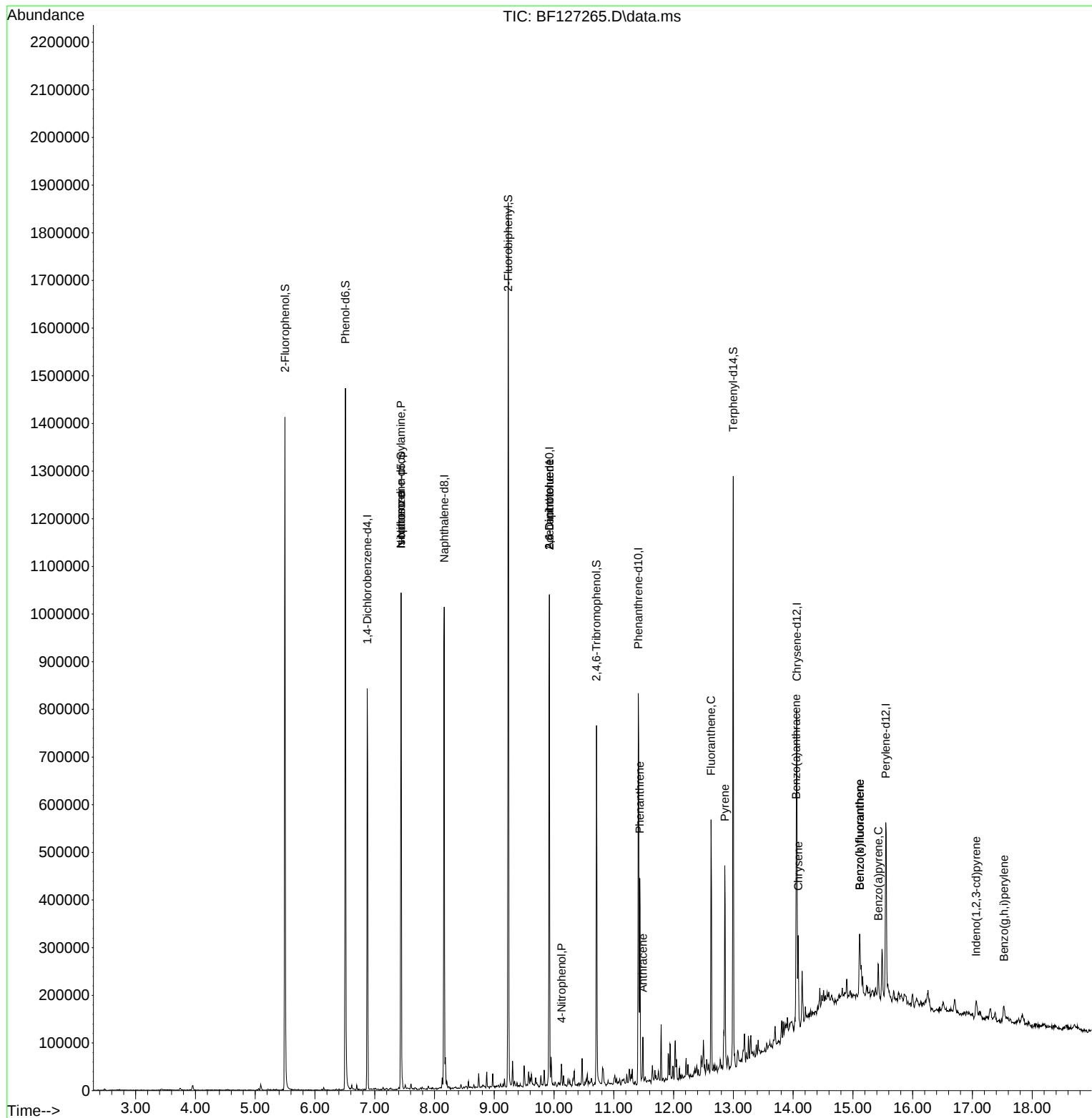
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	116871	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	444594	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	196873	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	285415	20.000	ng	0.00
76) Chrysene-d12	14.063	240	195989	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	147297	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	341090	45.108	ng	0.00
7) Phenol-d6	6.510	99	442044	43.323	ng	0.00
23) Nitrobenzene-d5	7.440	82	300820	30.541	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	81078	35.769	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	492622	36.837	ng	0.00
79) Terphenyl-d14	12.998	244	391963	29.400	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	40494	6.159	ng	# 79
25) Isophorone	7.440	82	299565	18.380	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	26249	9.168	ng	# 21
56) 4-Nitrophenol	10.128	139	5787	2.239	ng	# 8
57) 2,4-Dinitrotoluene	9.922	165	26249	6.781	ng	# 15
71) Phenanthrene	11.434	178	147297	9.220	ng	99
72) Anthracene	11.487	178	33169	2.086	ng	97
75) Fluoranthene	12.628	202	182680	12.043	ng	96
78) Pyrene	12.857	202	160457	9.424	ng	98
81) Benzo(a)anthracene	14.051	228	74939	5.672	ng	99
83) Chrysene	14.086	228	71261	5.735	ng	96
87) Indeno(1,2,3-cd)pyrene	17.063	276	23709	2.455	ng	# 85
88) Benzo(b)fluoranthene	15.116	252	95843	9.688	ng	95
89) Benzo(k)fluoranthene	15.116	252	95843	10.044	ng	95
90) Benzo(a)pyrene	15.427	252	33016	4.273	ng	96
92) Benzo(g,h,i)perylene	17.527	276	23694	3.009	ng	# 82

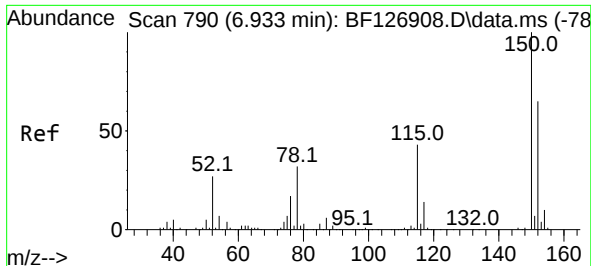
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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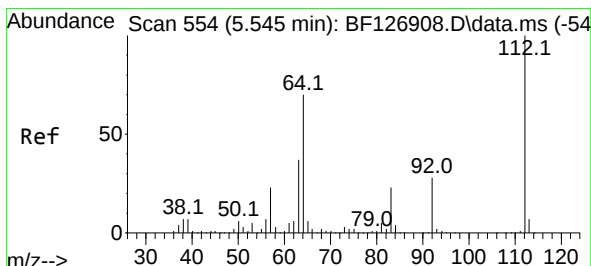
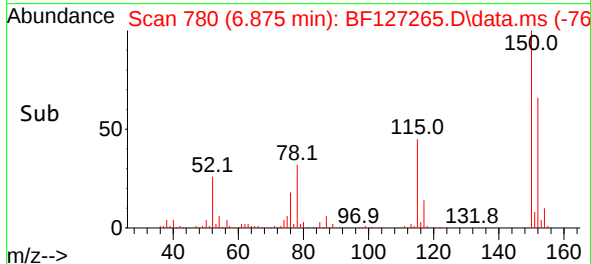
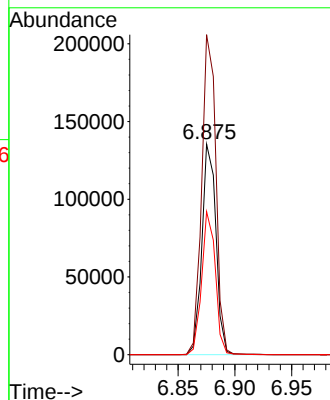
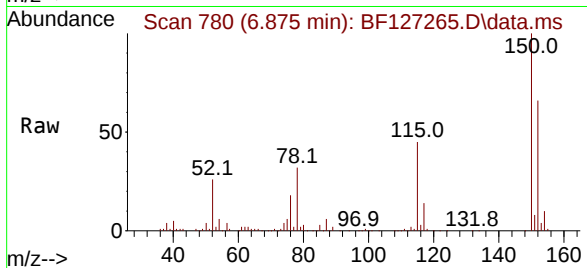




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

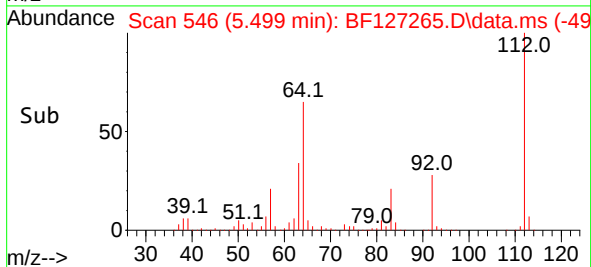
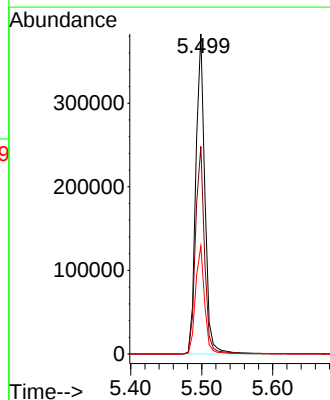
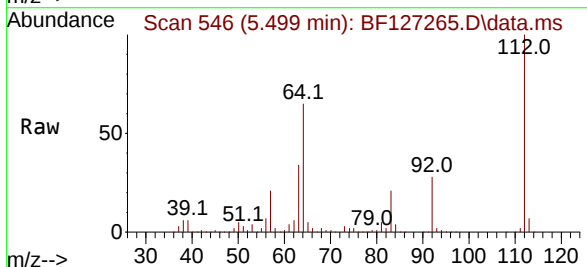
Instrument :
BNA_F
ClientSampleId :
350

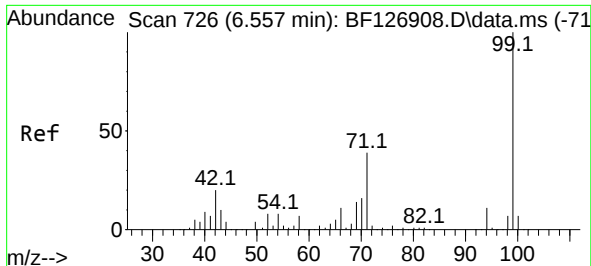
Tgt Ion:152 Resp: 116871
Ion Ratio Lower Upper
152 100
150 152.0 128.1 192.1
115 68.0 56.7 85.1



#5
2-Fluorophenol
Concen: 45.108 ng
RT: 5.499 min Scan# 546
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion:112 Resp: 341090
Ion Ratio Lower Upper
112 100
64 64.8 49.5 74.3
63 33.7 23.9 35.9

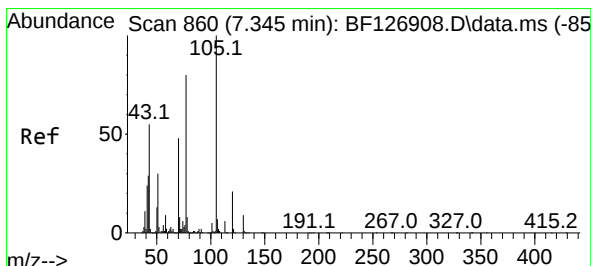
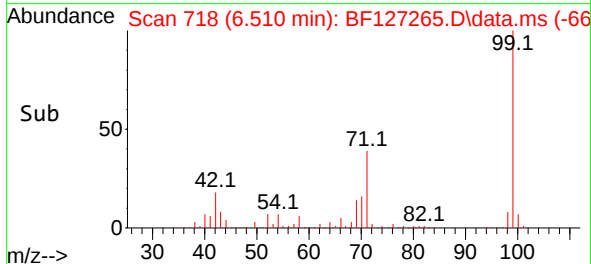
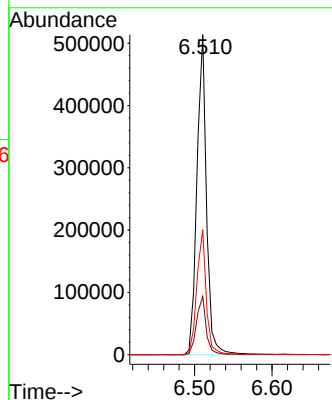
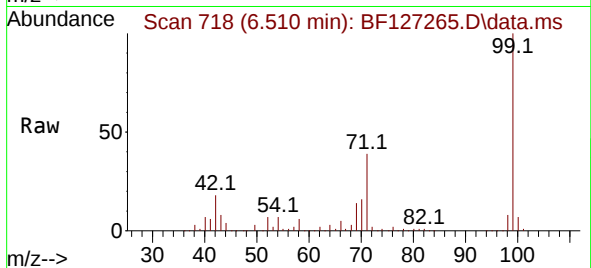




#7
Phenol-d6
Concen: 43.323 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

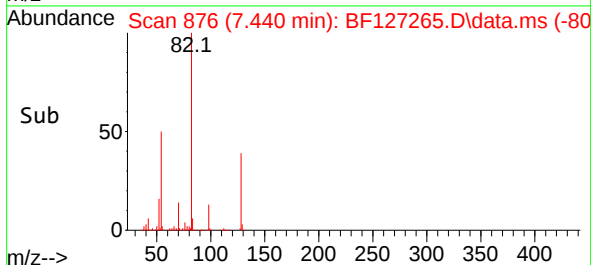
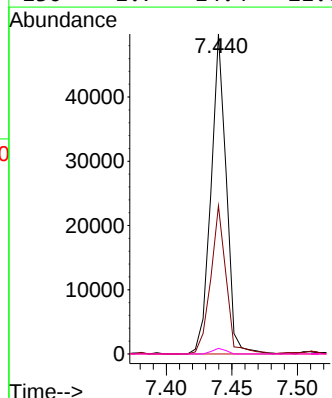
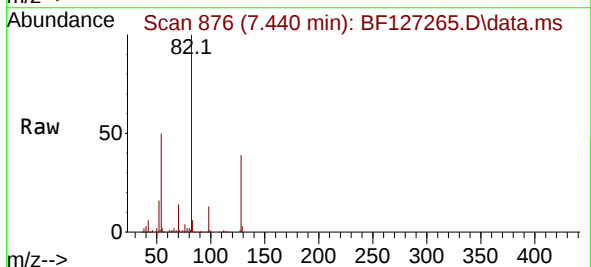
Instrument :
BNA_F
ClientSampleId :
350

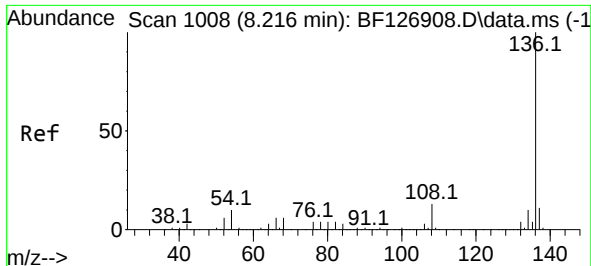
Tgt Ion: 99 Resp: 442044
Ion Ratio Lower Upper
99 100
42 18.2 14.2 21.4
71 39.0 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 6.159 ng
RT: 7.440 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion: 70 Resp: 40494
Ion Ratio Lower Upper
70 100
42 46.3 45.8 68.8
101 0.0 6.9 10.3#
130 1.7 14.4 21.6#

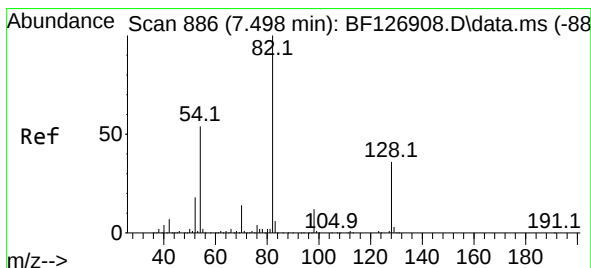
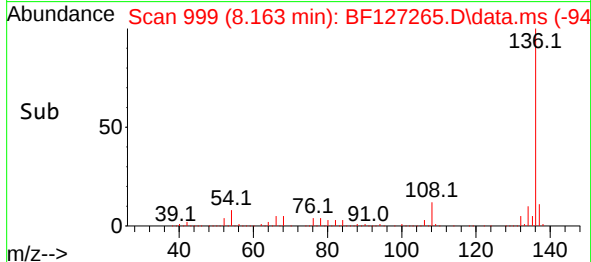
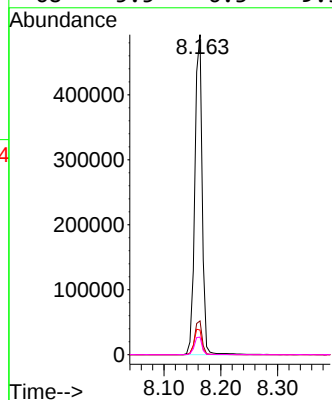
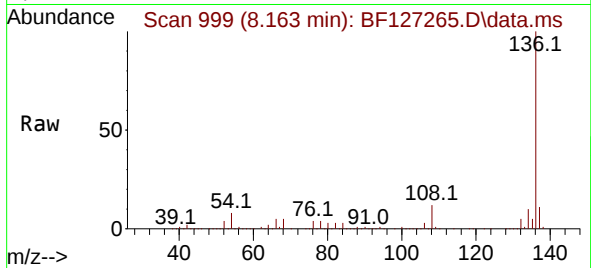




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

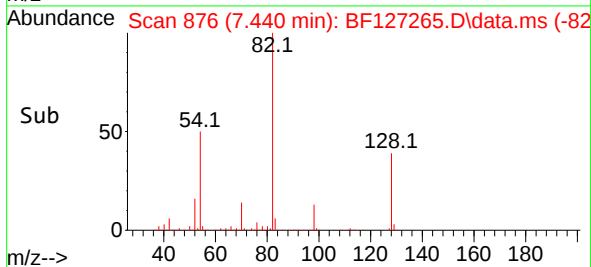
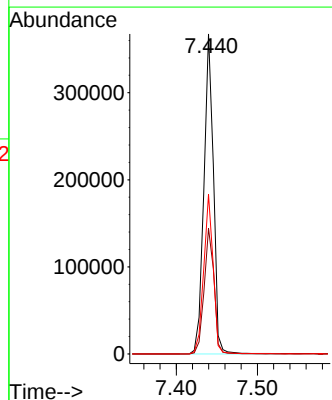
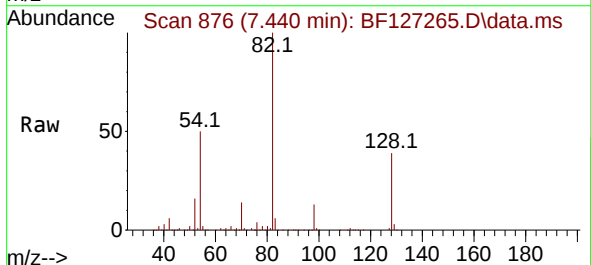
Instrument :
BNA_F
ClientSampleId :
350

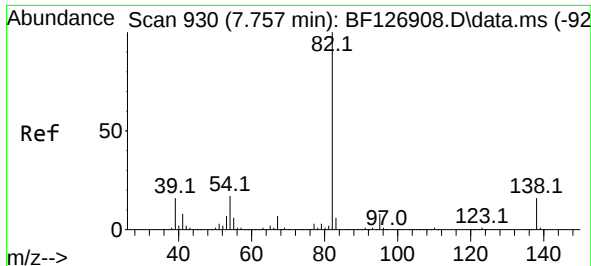
Tgt Ion:136 Resp: 444594
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.7 7.8 11.6#
68 5.5 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 30.541 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion: 82 Resp: 300820
Ion Ratio Lower Upper
82 100
128 39.2 32.7 49.1
54 49.8 41.7 62.5

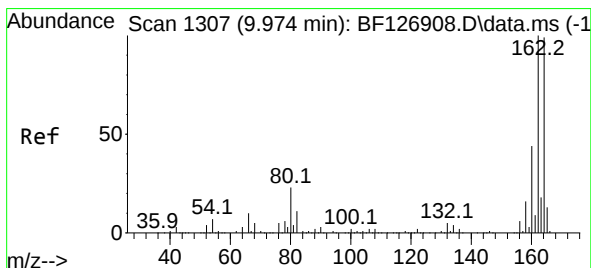
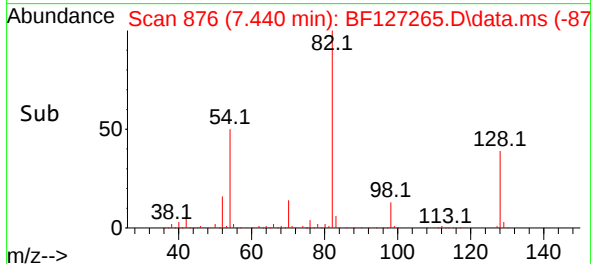
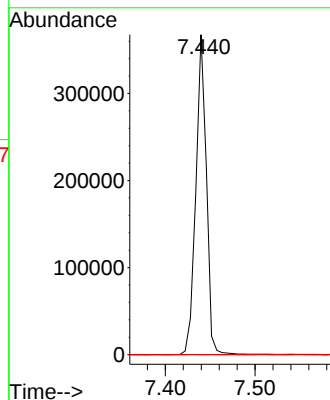
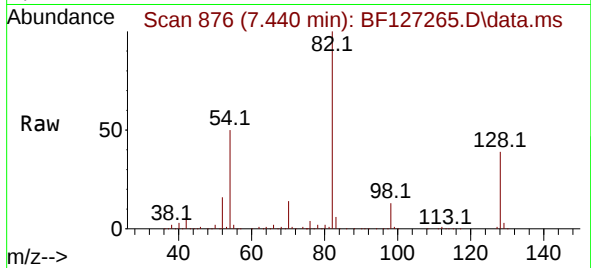




#25
Isophorone
Concen: 18.380 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

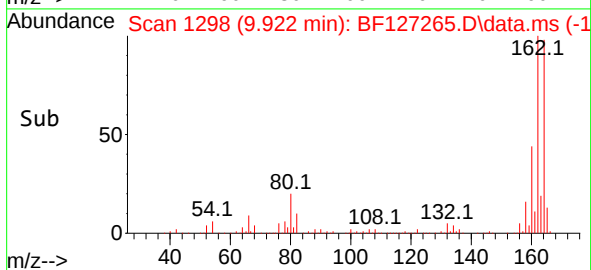
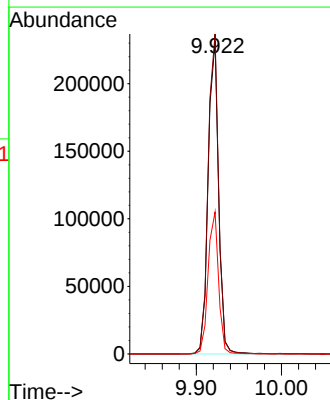
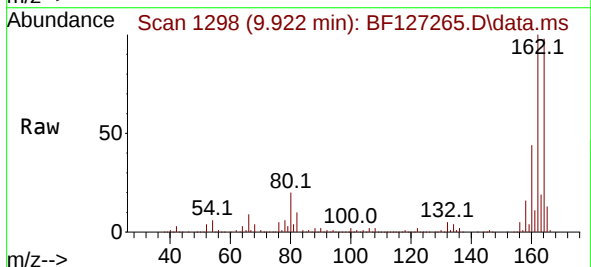
Instrument :
BNA_F
ClientSampleId :
350

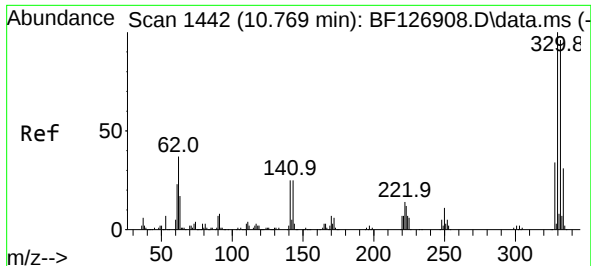
Tgt Ion: 82 Resp: 299565
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion: 164 Resp: 196873
Ion Ratio Lower Upper
164 100
162 102.3 81.4 122.0
160 45.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 35.769 ng

RT: 10.710 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF127265.D

Acq: 08 Mar 2022 18:29

Instrument :

BNA_F

ClientSampleId :

350

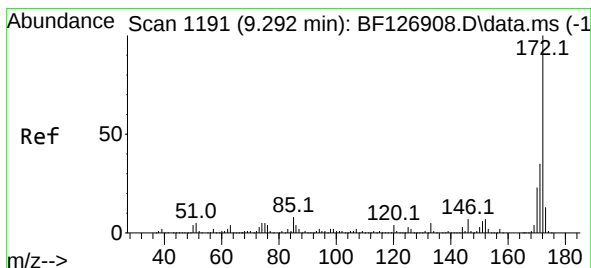
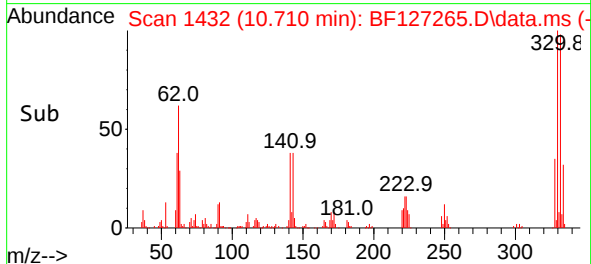
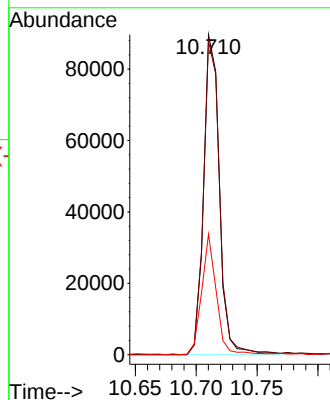
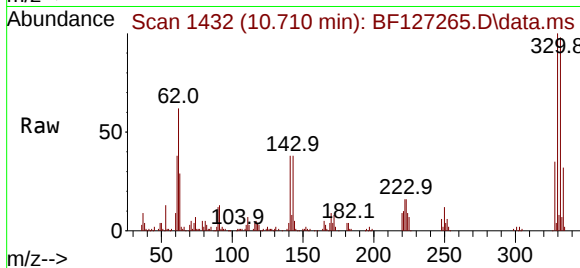
Tgt Ion:330 Resp: 81078

Ion Ratio Lower Upper

330 100

332 100.9 76.0 114.0

141 35.2 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 36.837 ng

RT: 9.234 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF127265.D

Acq: 08 Mar 2022 18:29

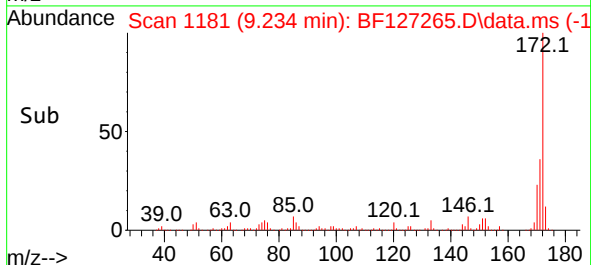
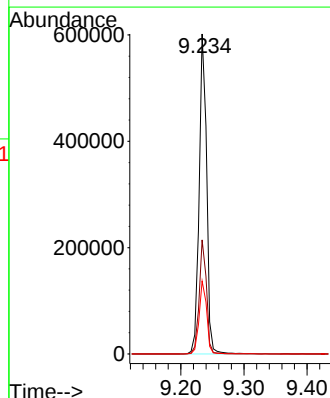
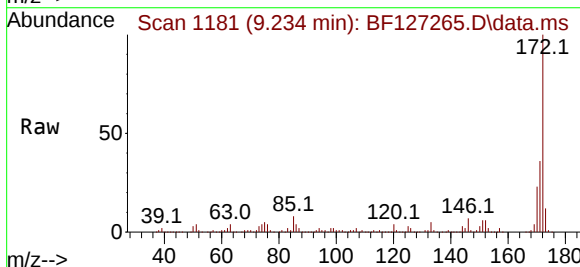
Tgt Ion:172 Resp: 492622

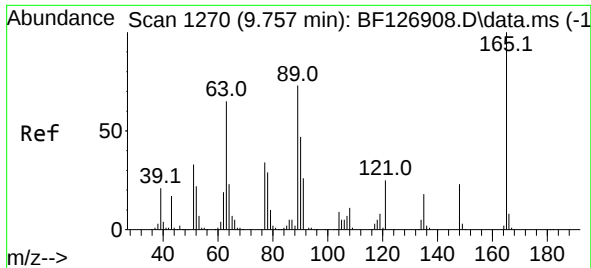
Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 22.8 19.0 28.6

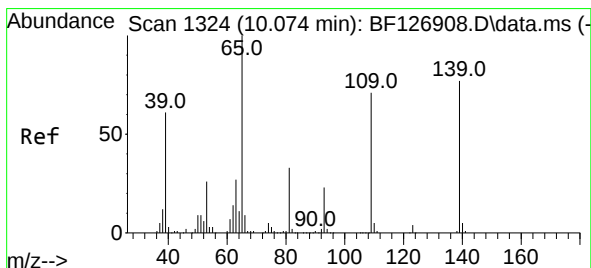
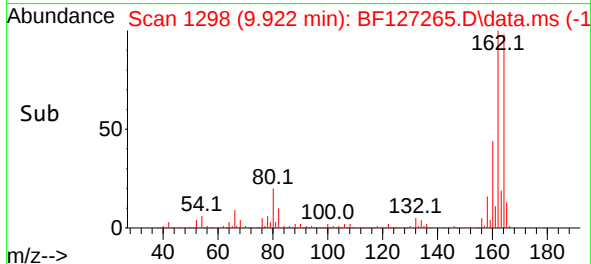
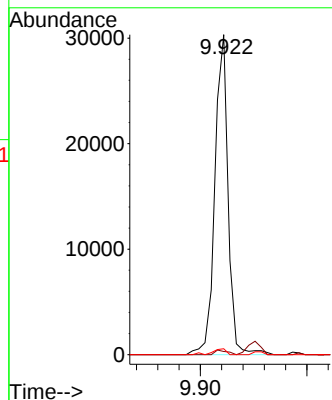
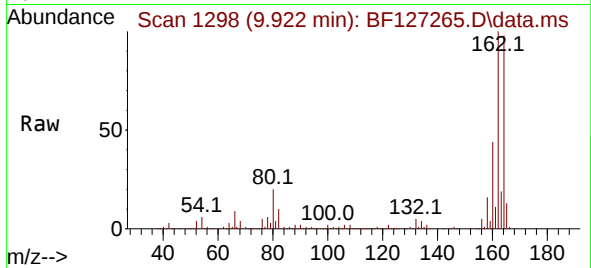




#51
2,6-Dinitrotoluene
Concen: 9.168 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

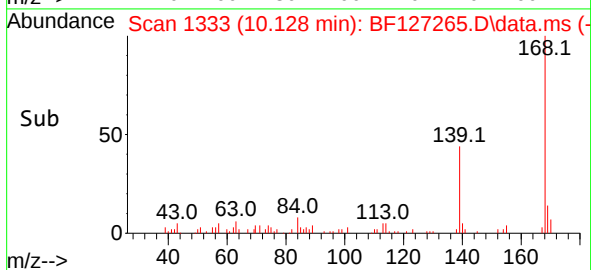
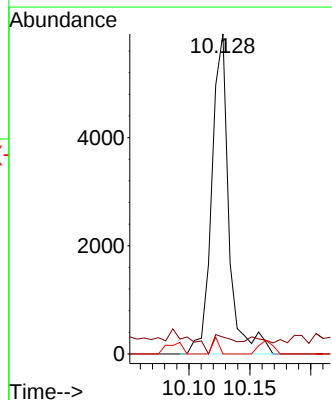
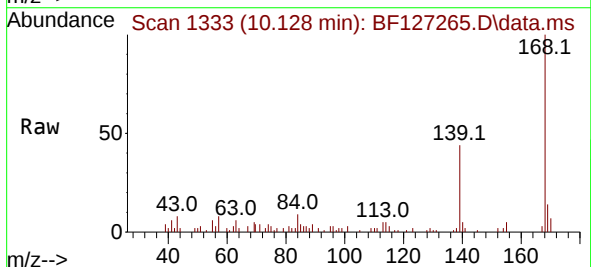
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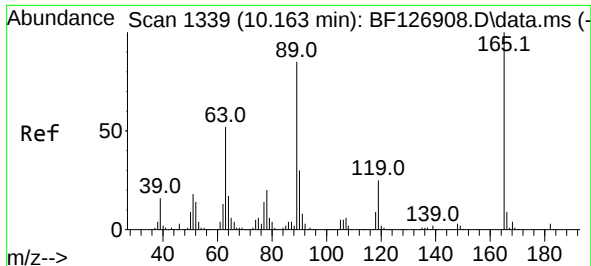
Tgt Ion:165 Resp: 26249
Ion Ratio Lower Upper
165 100
63 1.0 48.4 72.6#
89 1.8 50.5 75.7#



#56
4-Nitrophenol
Concen: 2.239 ng
RT: 10.128 min Scan# 1333
Delta R.T. 0.083 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion:139 Resp: 5787
Ion Ratio Lower Upper
139 100
109 5.3 44.1 84.1#
65 0.0 85.5 125.5#

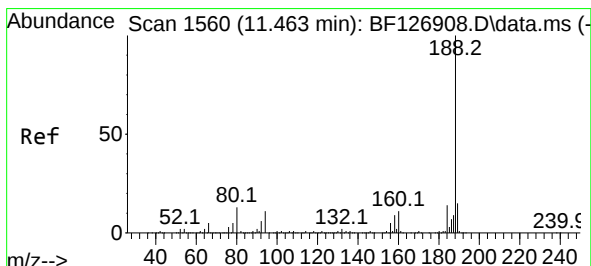
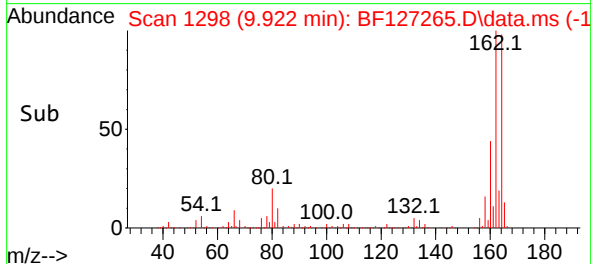
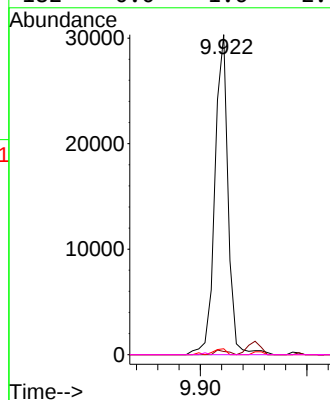
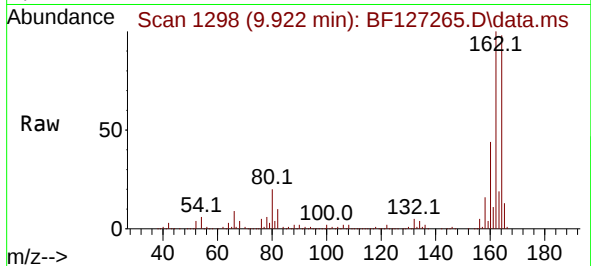




#57
2,4-Dinitrotoluene
Concen: 6.781 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

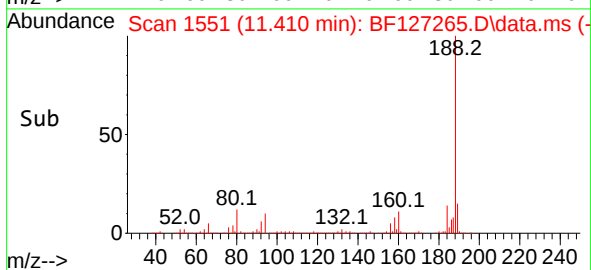
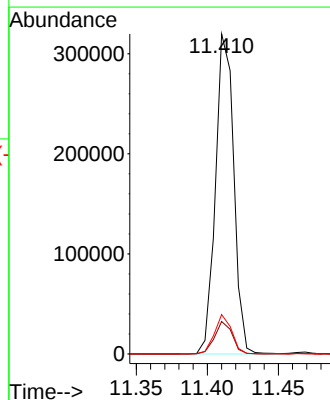
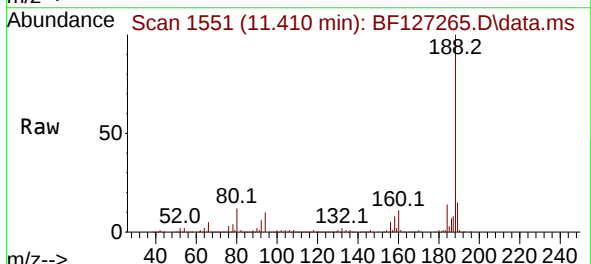
Instrument :
BNA_F
ClientSampleId :
350

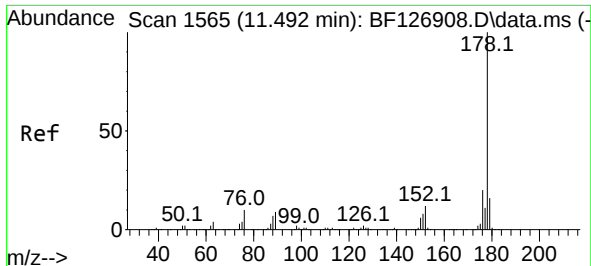
Tgt Ion:165 Resp: 26249
Ion Ratio Lower Upper
165 100
63 1.0 43.0 64.6#
89 1.8 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion:188 Resp: 285415
Ion Ratio Lower Upper
188 100
94 10.2 10.1 15.1
80 12.3 11.8 17.6

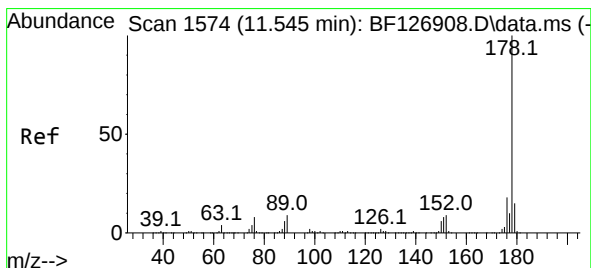
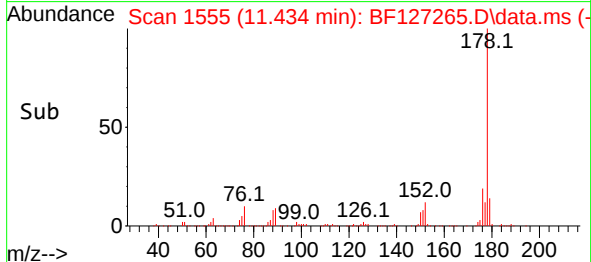
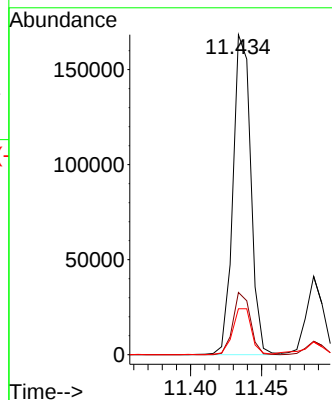
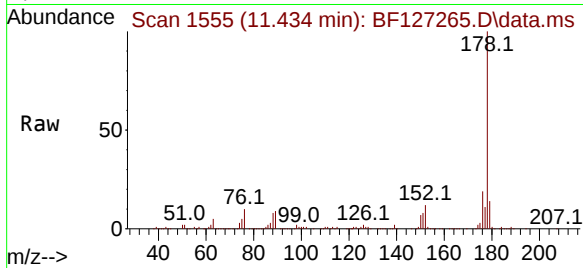




#71
Phenanthrene
Concen: 9.220 ng
RT: 11.434 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

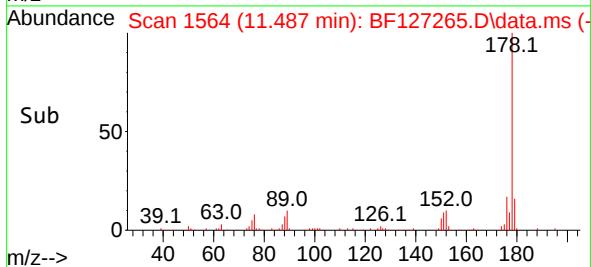
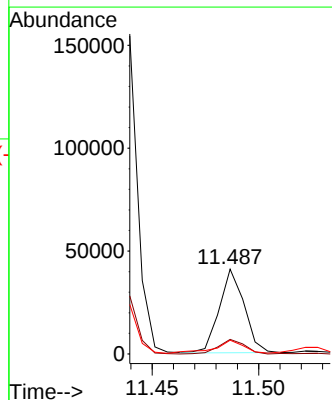
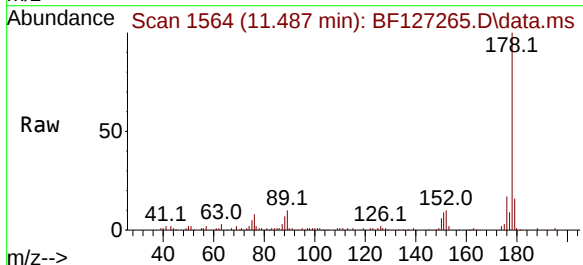
Instrument :
BNA_F
ClientSampleId :
350

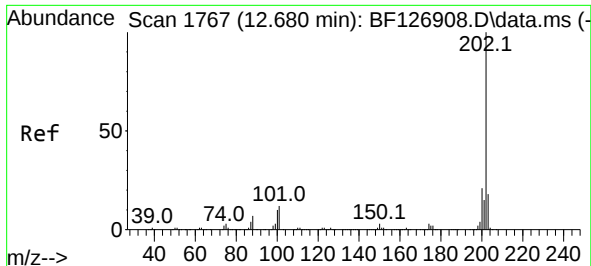
Tgt Ion:178 Resp: 147297
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 14.4 12.3 18.5



#72
Anthracene
Concen: 2.086 ng
RT: 11.487 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion:178 Resp: 33169
Ion Ratio Lower Upper
178 100
176 17.1 15.0 22.6
179 16.3 12.5 18.7

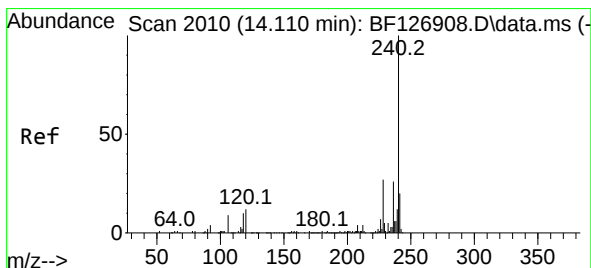
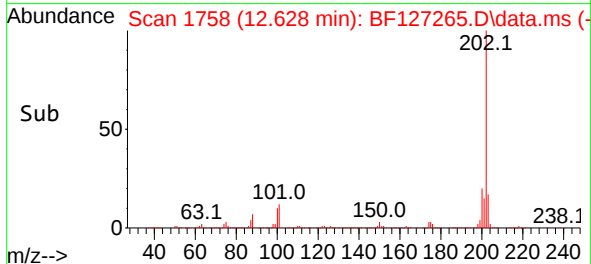
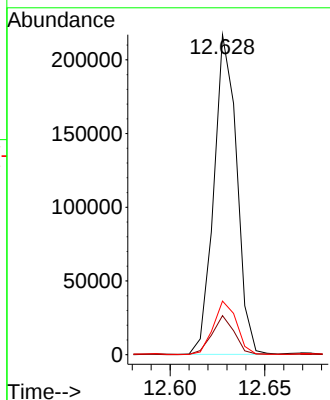
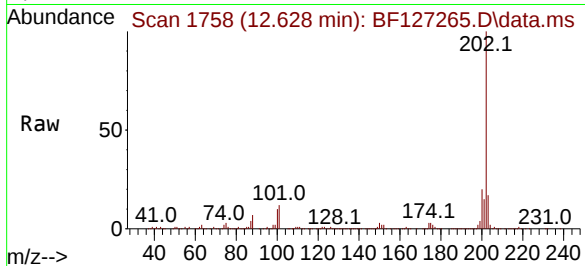




#75
Fluoranthene
Concen: 12.043 ng
RT: 12.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

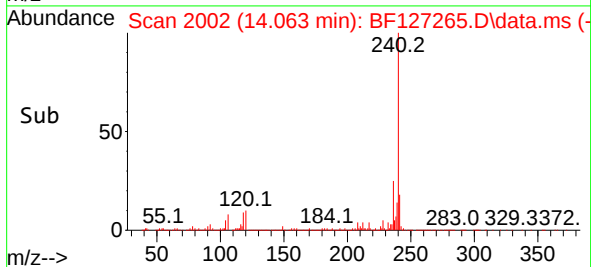
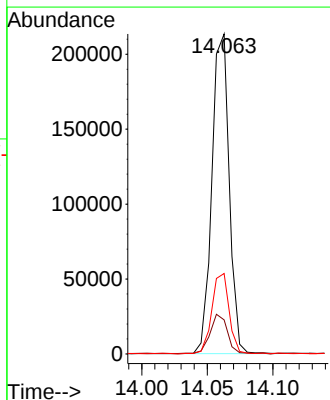
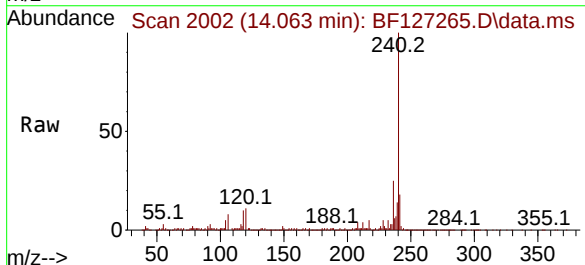
Instrument :
BNA_F
ClientSampleId :
350

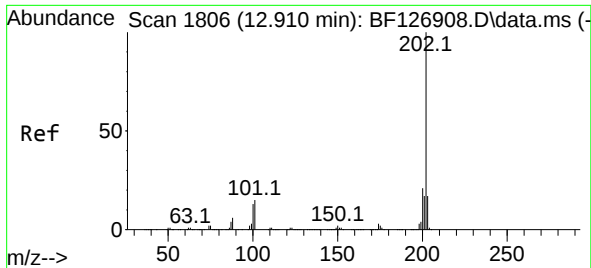
Tgt Ion:202 Resp: 182680
Ion Ratio Lower Upper
202 100
101 12.2 0.0 35.7
203 16.8 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion:240 Resp: 195989
Ion Ratio Lower Upper
240 100
120 10.7 14.4 21.6#
236 25.2 20.5 30.7

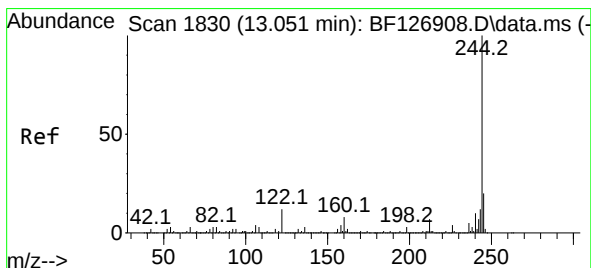
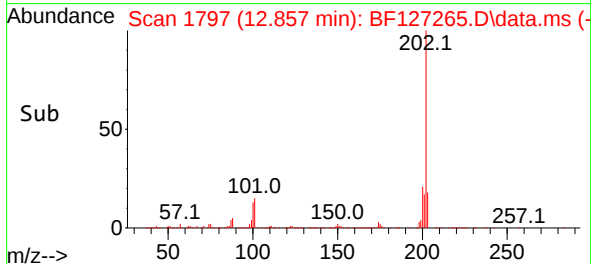
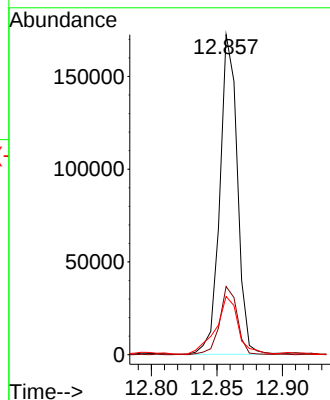
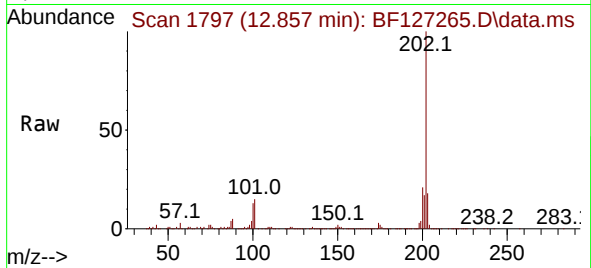




#78
Pyrene
Concen: 9.424 ng
RT: 12.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

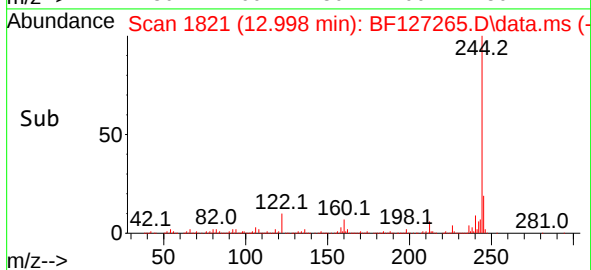
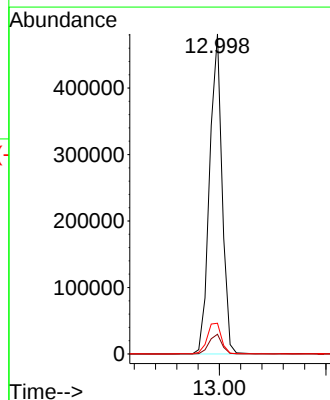
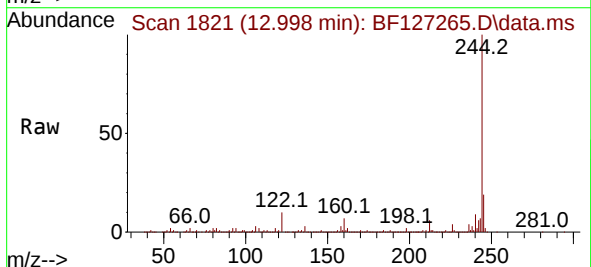
Instrument :
BNA_F
ClientSampleId :
350

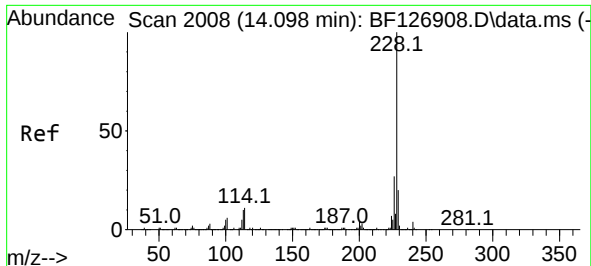
Tgt Ion:202 Resp: 160457
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 18.2 13.8 20.8



#79
Terphenyl-d14
Concen: 29.400 ng
RT: 12.998 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion:244 Resp: 391963
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 9.6 13.3 19.9#

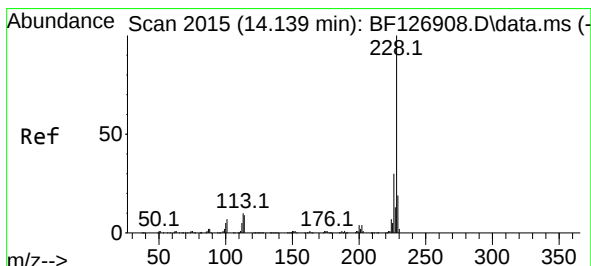
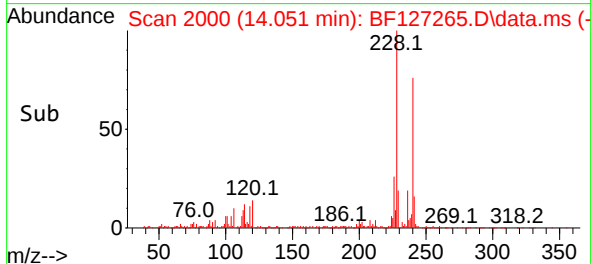
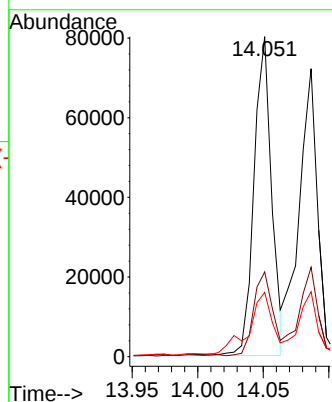
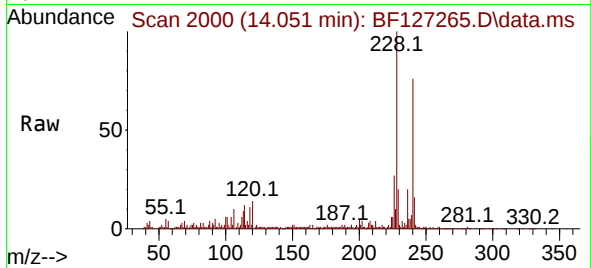




#81
Benzo(a)anthracene
Concen: 5.672 ng
RT: 14.051 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

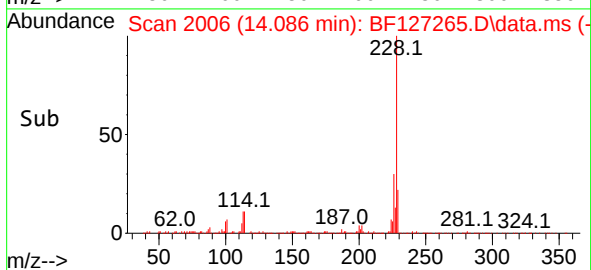
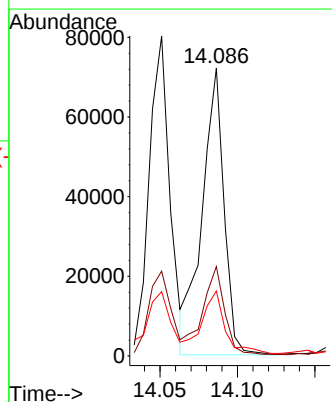
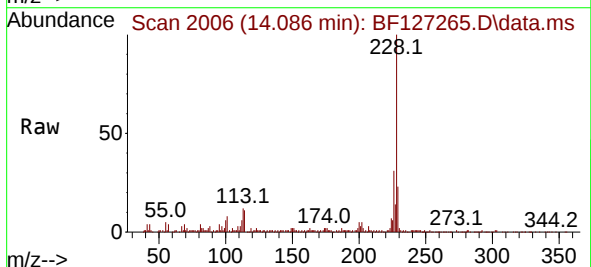
Instrument :
BNA_F
ClientSampleId :
350

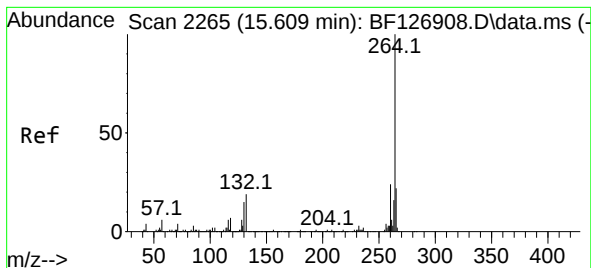
Tgt Ion:228 Resp: 74939
Ion Ratio Lower Upper
228 100
226 26.5 21.4 32.0
229 20.1 15.4 23.2



#83
Chrysene
Concen: 5.735 ng
RT: 14.086 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion:228 Resp: 71261
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 22.6 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127265.D

Acq: 08 Mar 2022 18:29

Instrument :

BNA_F

ClientSampleId :

350

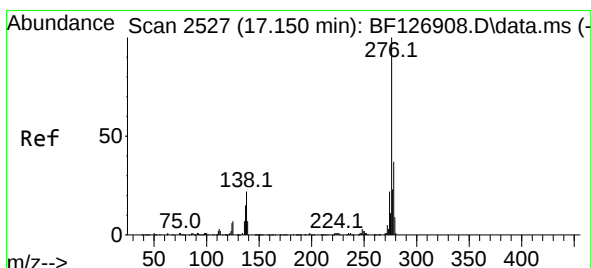
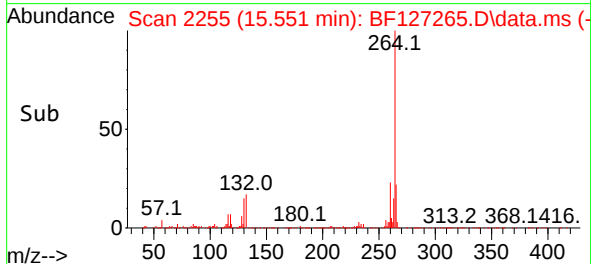
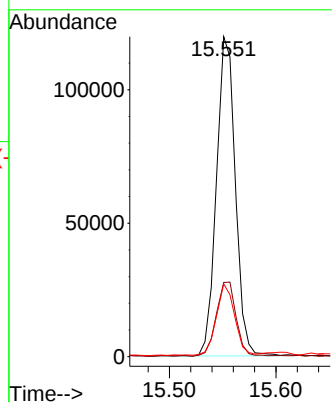
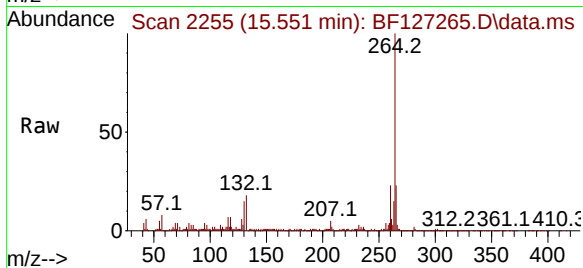
Tgt Ion:264 Resp: 147297

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.455 ng

RT: 17.063 min Scan# 2512

Delta R.T. 0.006 min

Lab File: BF127265.D

Acq: 08 Mar 2022 18:29

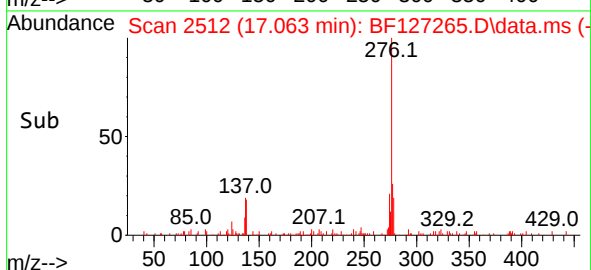
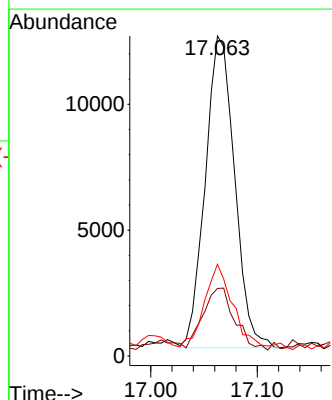
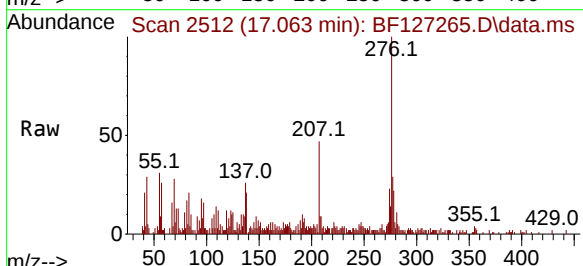
Tgt Ion:276 Resp: 23709

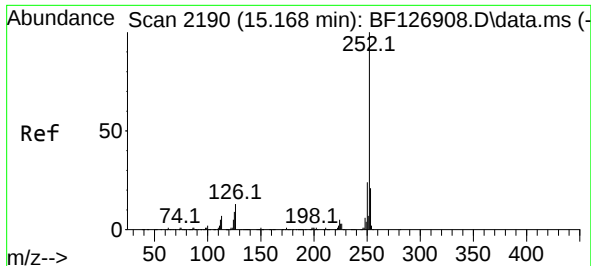
Ion Ratio Lower Upper

276 100

138 21.5 29.2 43.8#

277 24.9 19.8 29.8

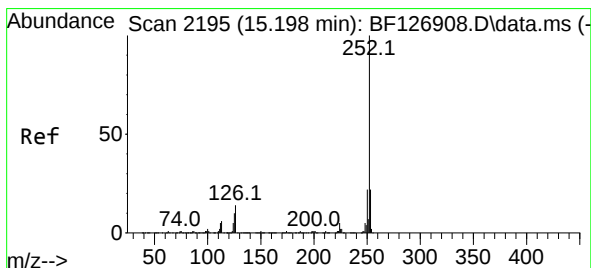
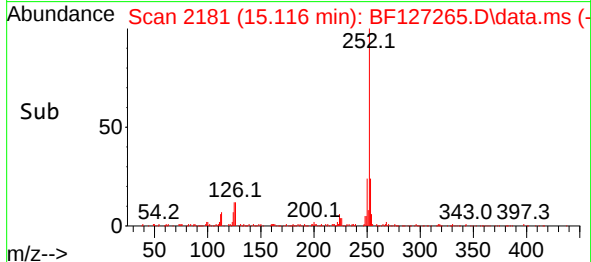
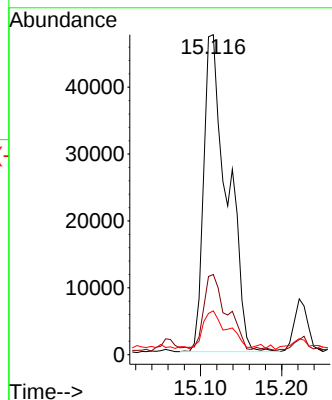
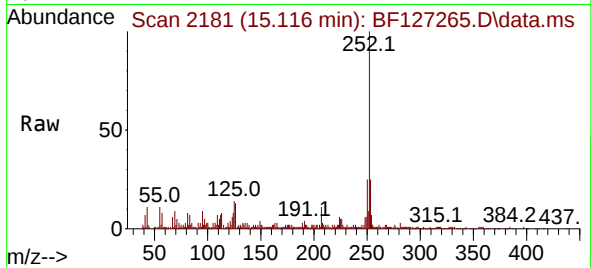




#88
Benzo(b)fluoranthene
Concen: 9.688 ng
RT: 15.116 min Scan# 2190
Delta R.T. 0.006 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

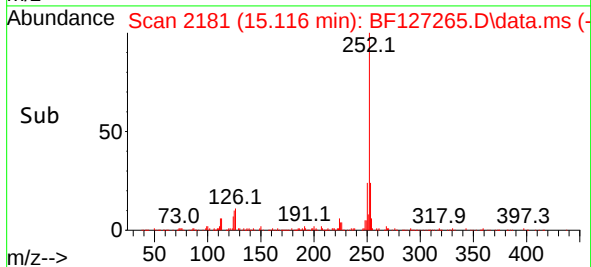
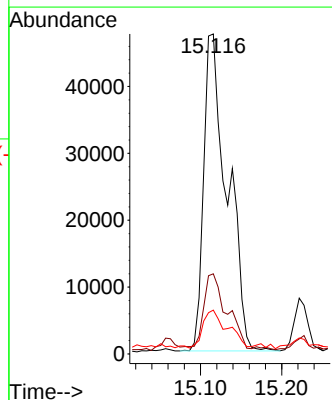
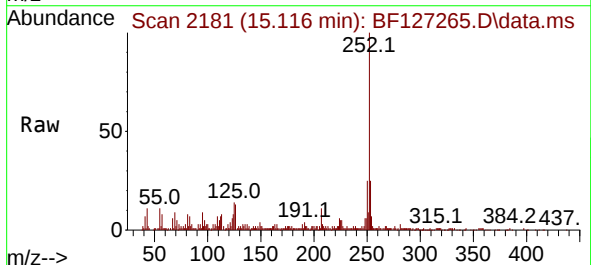
Instrument :
BNA_F
ClientSampleId :
350

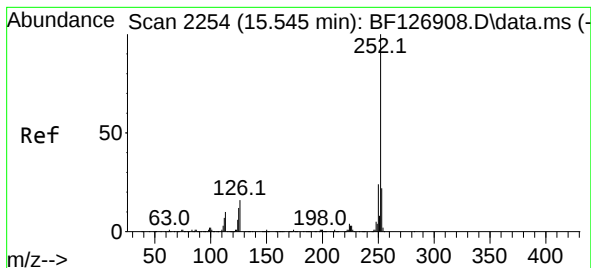
Tgt Ion:252 Resp: 95843
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 13.7 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 10.044 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.023 min
Lab File: BF127265.D
Acq: 08 Mar 2022 18:29

Tgt Ion:252 Resp: 95843
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 13.7 11.8 17.6





#90

Benzo(a)pyrene

Concen: 4.273 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.059 min

Lab File: BF127265.D

Acq: 08 Mar 2022 18:29

Instrument :

BNA_F

ClientSampleId :

350

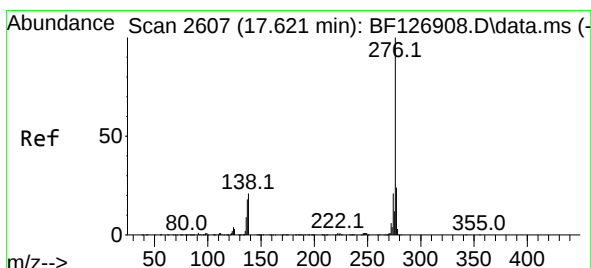
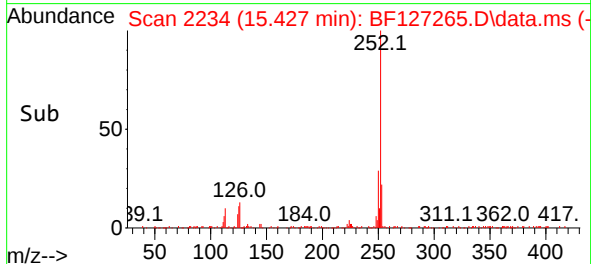
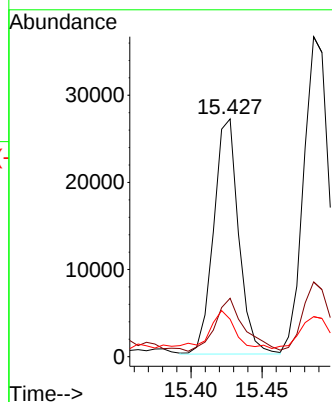
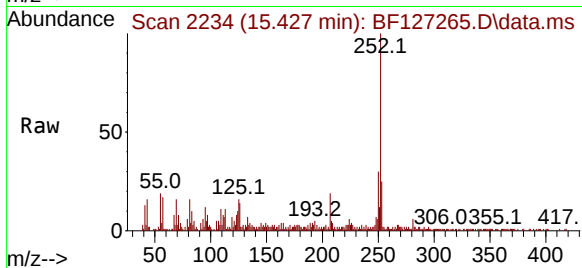
Tgt Ion:252 Resp: 33016

Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

125 15.7 13.0 19.6



#92

Benzo(g,h,i)perylene

Concen: 3.009 ng

RT: 17.527 min Scan# 2591

Delta R.T. 0.006 min

Lab File: BF127265.D

Acq: 08 Mar 2022 18:29

Tgt Ion:276 Resp: 23694

Ion Ratio Lower Upper

276 100

277 29.0 18.5 27.7#

138 20.2 25.9 38.9#

