

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
 Data File : BF126926.D
 Acq On : 17 Feb 2022 14:52
 Operator : CG\JU
 Sample : N1564-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Feb 17 17:09:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

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

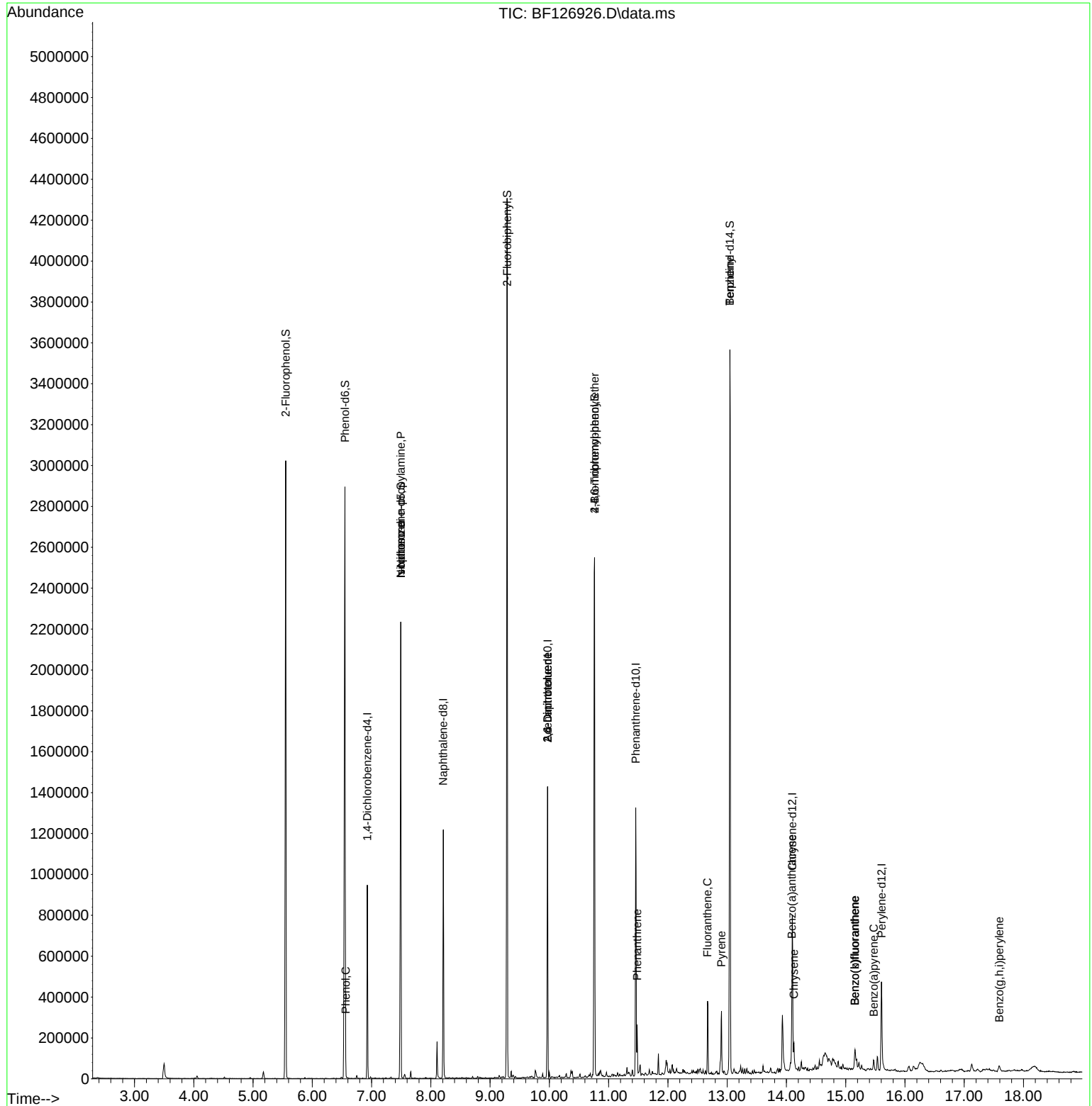
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	112769	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	465524	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	246630	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	432677	20.000	ng	0.00
76) Chrysene-d12	14.098	240	211924	20.000	ng	#-0.01
86) Perylene-d12	15.604	264	180594	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	755270	103.515	ng	0.00
7) Phenol-d6	6.551	99	1009792	102.567	ng	0.00
23) Nitrobenzene-d5	7.493	82	721649	69.971	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	312853	110.175	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1171857	69.949	ng	0.00
79) Terphenyl-d14	13.045	244	1186666	82.315	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.563	94	21171	2.128	ng	92
19) n-Nitroso-di-n-propyla...	7.493	70	100680	15.870	ng	# 79
25) Isophorone	7.493	82	720207	42.201	ng	# 69
51) 2,6-Dinitrotoluene	9.969	165	31888	8.891	ng	# 22
57) 2,4-Dinitrotoluene	9.969	165	31888	6.576	ng	# 16
67) 4-Bromophenyl-phenylether	10.763	248	18309	3.787	ng	# 1
71) Phenanthrene	11.480	178	71988	2.973	ng	98
75) Fluoranthene	12.669	202	132708	5.771	ng	97
77) Benzidine	13.045	184	19056	3.309	ng	# 94
78) Pyrene	12.904	202	113739	6.178	ng	98
81) Benzo(a)anthracene	14.092	228	44769	3.134	ng	97
83) Chrysene	14.127	228	39652	2.951	ng	95
88) Benzo(b)fluoranthene	15.157	252	61862	5.100	ng	96
89) Benzo(k)fluoranthene	15.157	252	61862	5.288	ng	97
90) Benzo(a)pyrene	15.474	252	21190	2.237	ng	98
92) Benzo(g,h,i)perylene	17.592	276	21743	2.252	ng	# 91

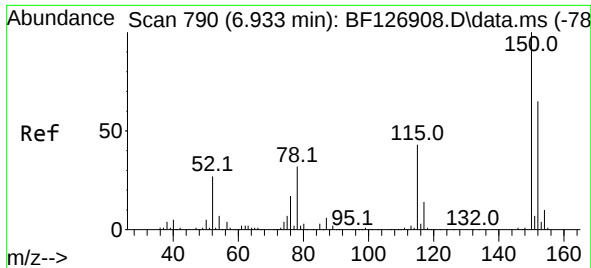
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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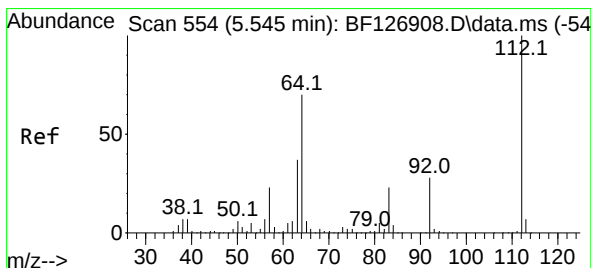
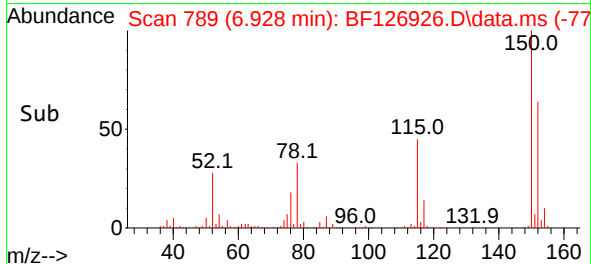
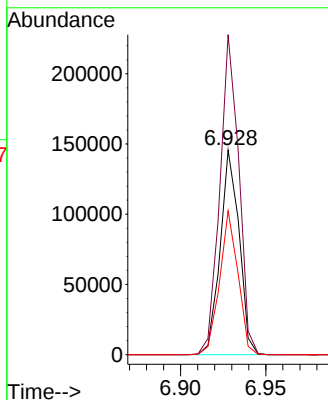
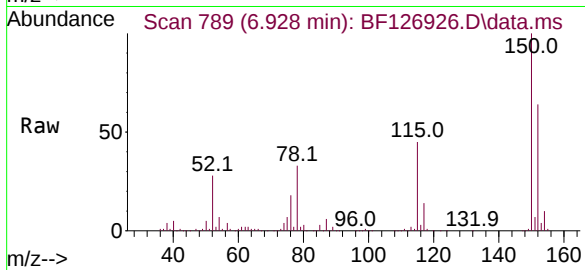




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

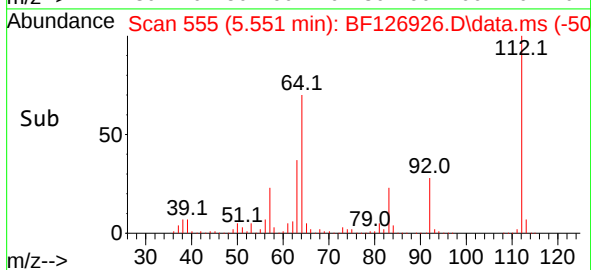
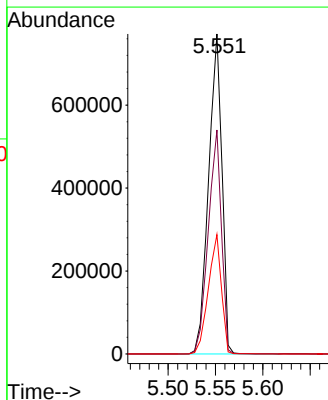
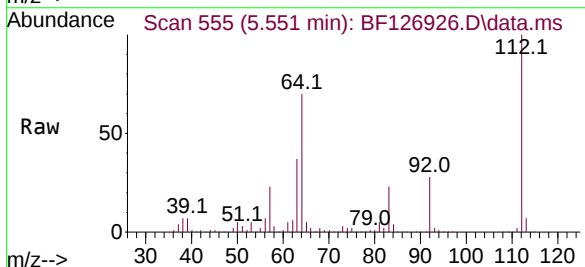
Instrument :
BNA_F
ClientSampleId :
TP-2

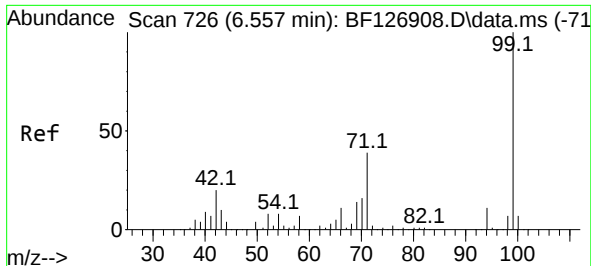
Tgt Ion:152 Resp: 112769
Ion Ratio Lower Upper
152 100
150 156.3 128.1 192.1
115 70.3 56.7 85.1



#5
2-Fluorophenol
Concen: 103.515 ng
RT: 5.551 min Scan# 555
Delta R.T. 0.006 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

Tgt Ion:112 Resp: 755270
Ion Ratio Lower Upper
112 100
64 70.0 49.5 74.3
63 37.3 23.9 35.9#





#7

Phenol-d6

Concen: 102.567 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

Instrument :

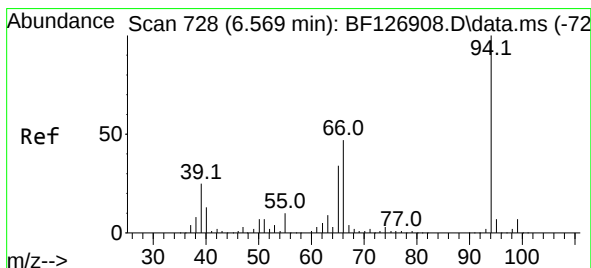
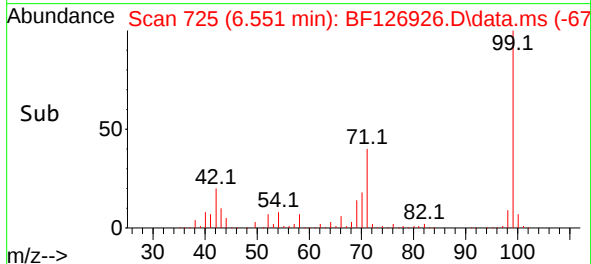
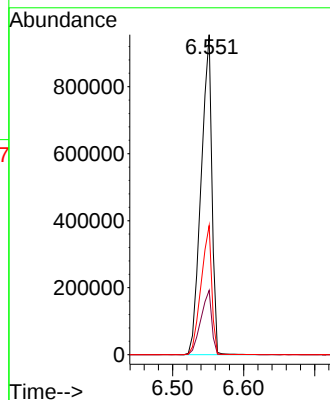
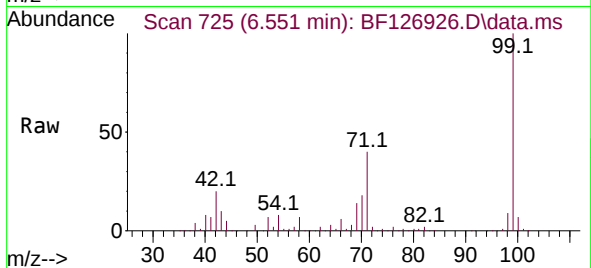
BNA_F

ClientSampleId :

TP-2

Tgt Ion: 99 Resp: 1009792

Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.2	21.4
71	40.4	24.3	36.5



#10

Phenol

Concen: 2.128 ng

RT: 6.563 min Scan# 727

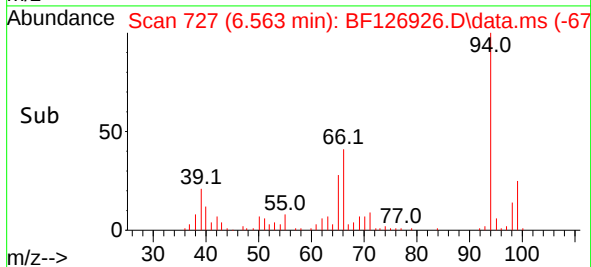
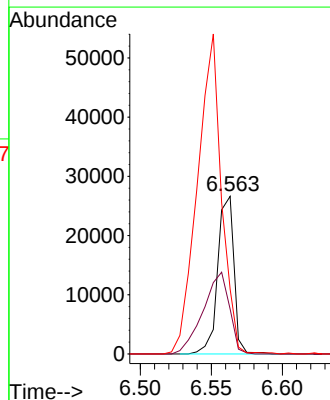
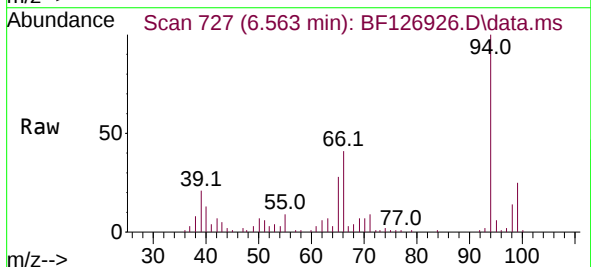
Delta R.T. -0.006 min

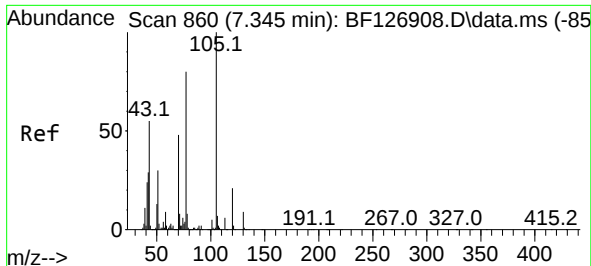
Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

Tgt Ion: 94 Resp: 21171

Ion	Ratio	Lower	Upper
94	100		
65	28.5	7.2	47.2
66	41.2	14.5	54.5





#19

n-Nitroso-di-n-propylamine

Concen: 15.870 ng

RT: 7.493 min Scan# 80

Delta R.T. 0.147 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion: 70 Resp: 100680

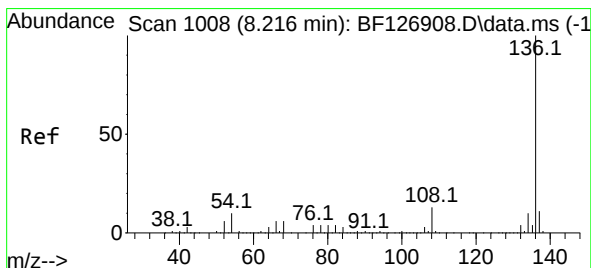
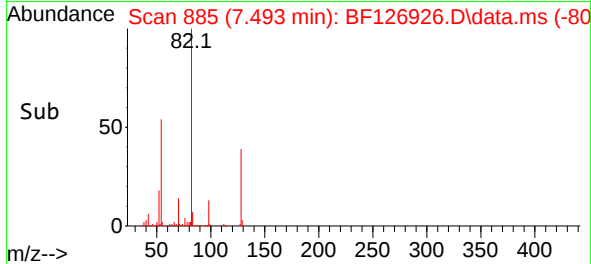
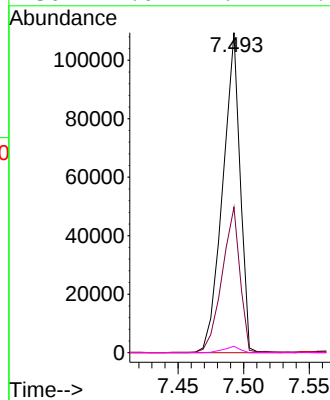
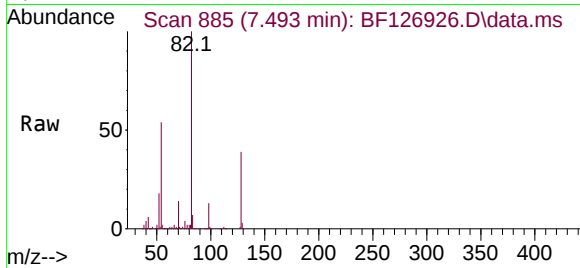
Ion Ratio Lower Upper

70 100

42 45.4 45.8 68.8#

101 0.0 6.9 10.3#

130 2.0 14.4 21.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

Tgt Ion:136 Resp: 465524

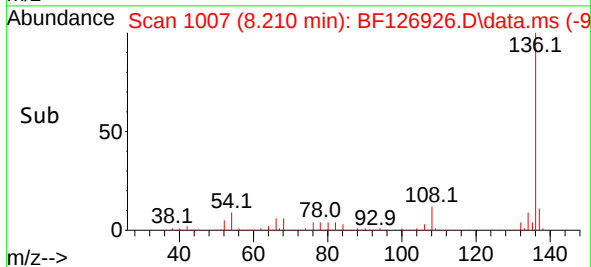
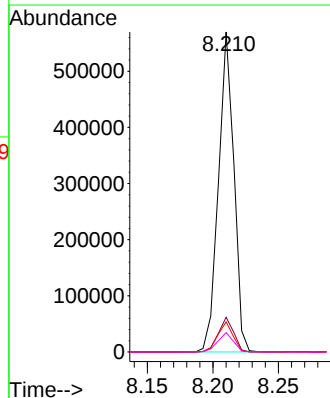
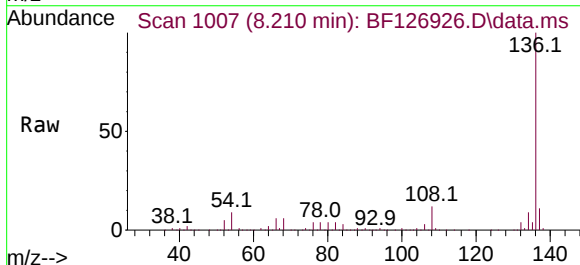
Ion Ratio Lower Upper

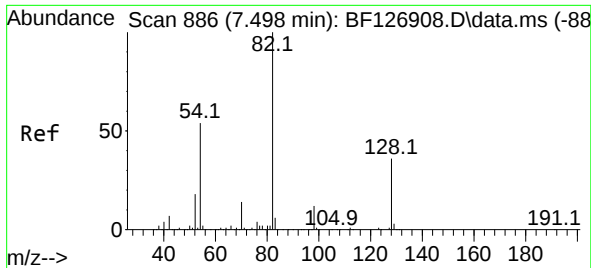
136 100

137 10.8 8.6 13.0

54 9.4 7.8 11.6

68 6.0 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 69.971 ng

RT: 7.493 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

Instrument :

BNA_F

ClientSampleId :

TP-2

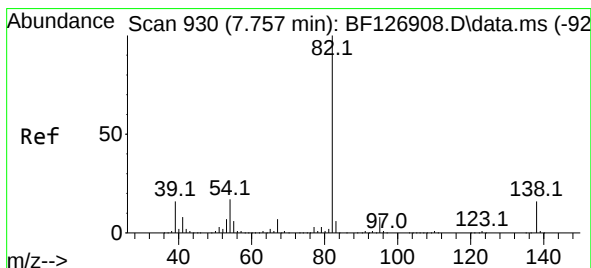
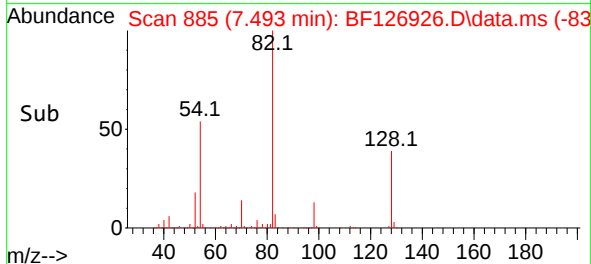
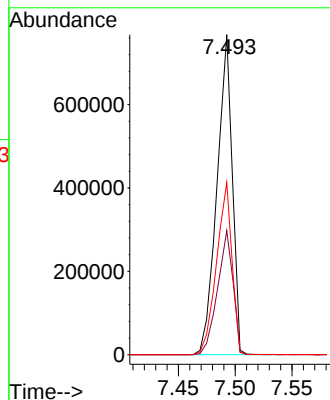
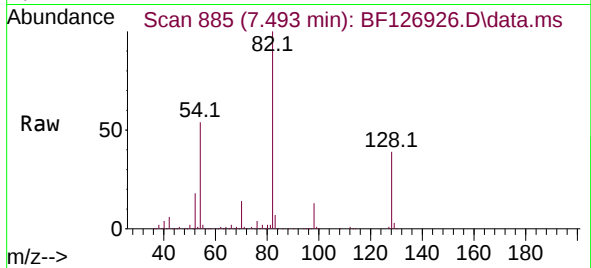
Tgt Ion: 82 Resp: 721649

Ion Ratio Lower Upper

82 100

128 38.7 32.7 49.1

54 53.8 41.7 62.5



#25

Isophorone

Concen: 42.201 ng

RT: 7.493 min Scan# 885

Delta R.T. -0.264 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

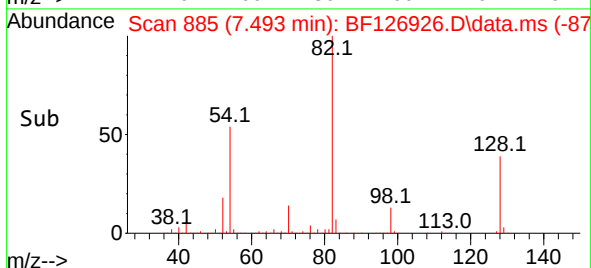
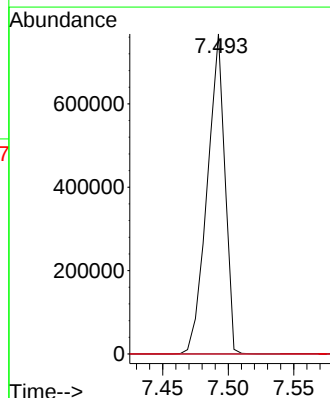
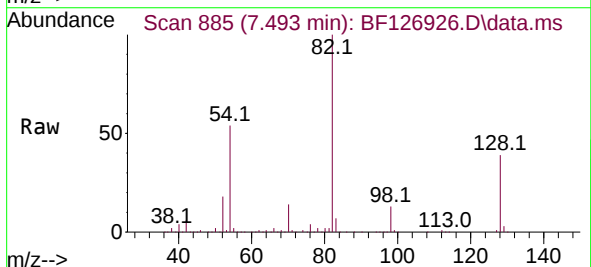
Tgt Ion: 82 Resp: 720207

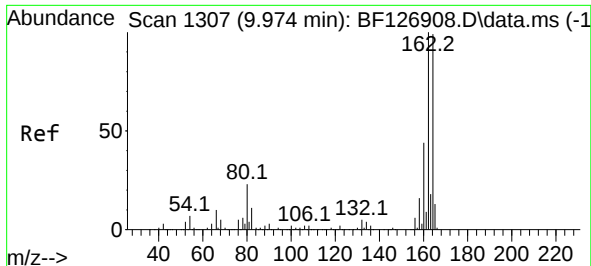
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

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BNA_F

ClientSampleId :

TP-2

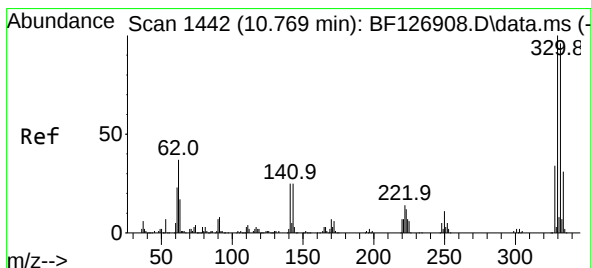
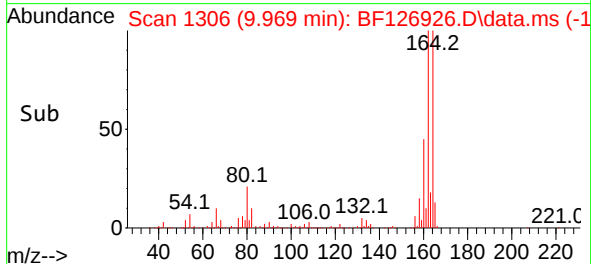
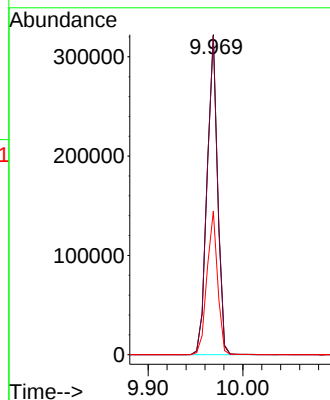
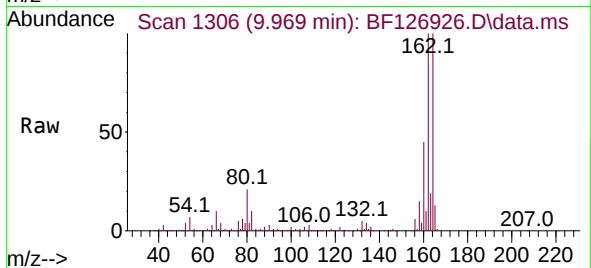
Tgt Ion:164 Resp: 246630

Ion Ratio Lower Upper

164 100

162 99.5 81.4 122.0

160 44.8 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 110.175 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

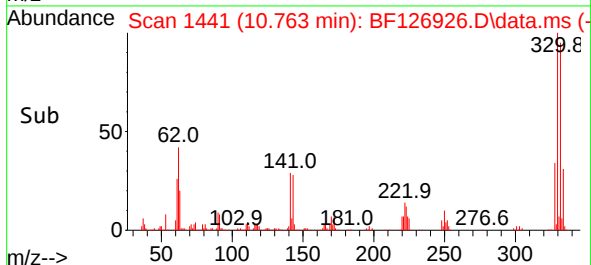
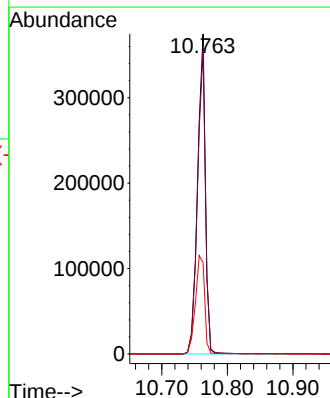
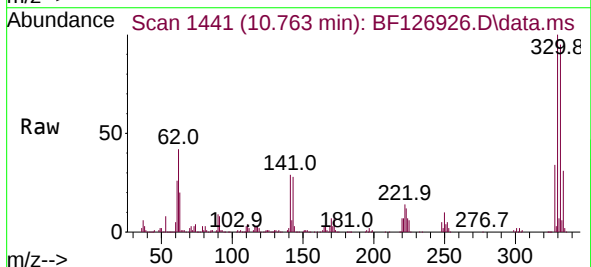
Tgt Ion:330 Resp: 312853

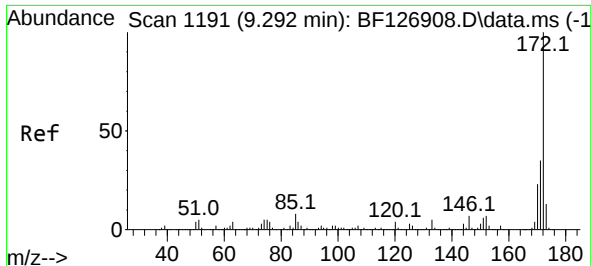
Ion Ratio Lower Upper

330 100

332 96.1 76.0 114.0

141 36.0 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 69.949 ng

RT: 9.287 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

Instrument :

BNA_F

ClientSampleId :

TP-2

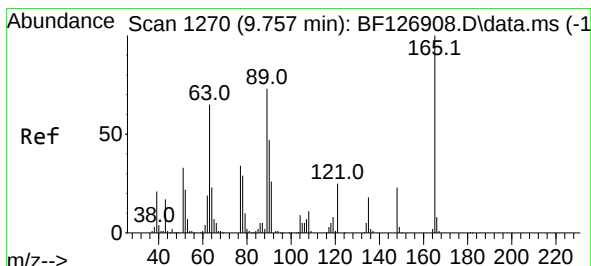
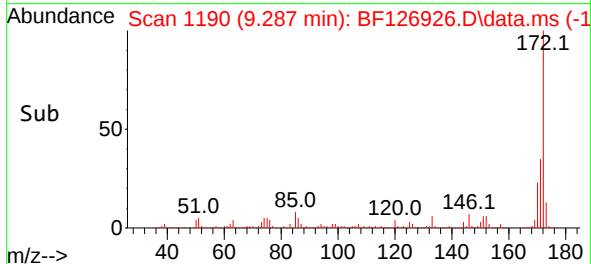
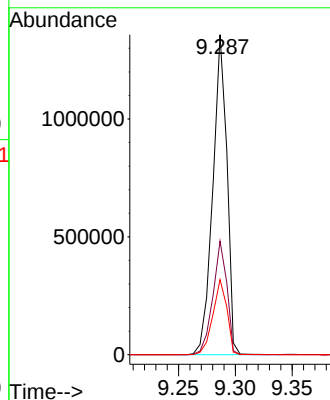
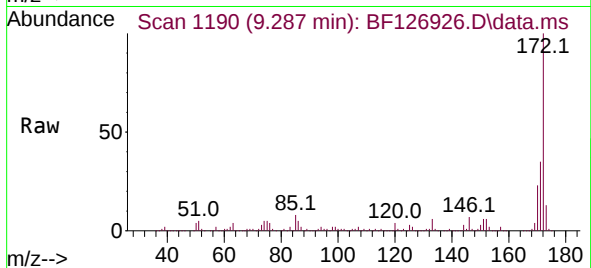
Tgt Ion:172 Resp: 1171857

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.5 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.891 ng

RT: 9.969 min Scan# 1306

Delta R.T. 0.212 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

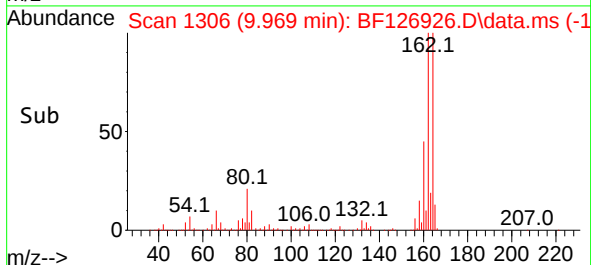
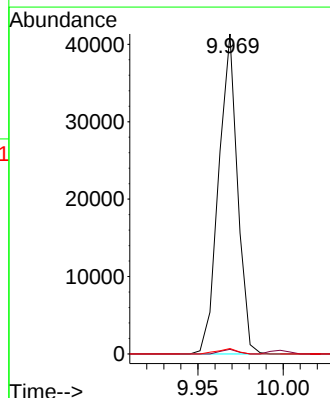
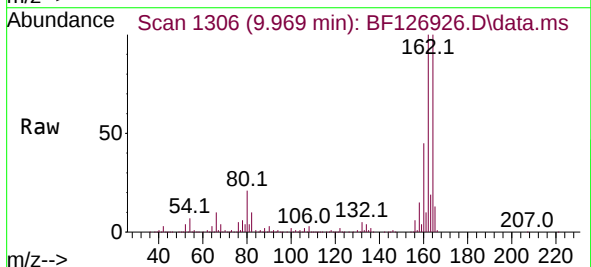
Tgt Ion:165 Resp: 31888

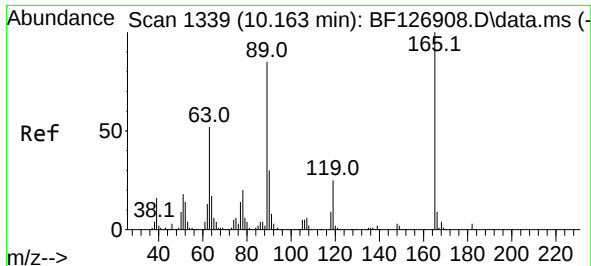
Ion Ratio Lower Upper

165 100

63 1.5 48.4 72.6#

89 1.7 50.5 75.7#

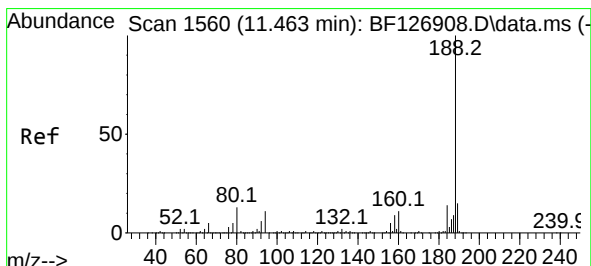
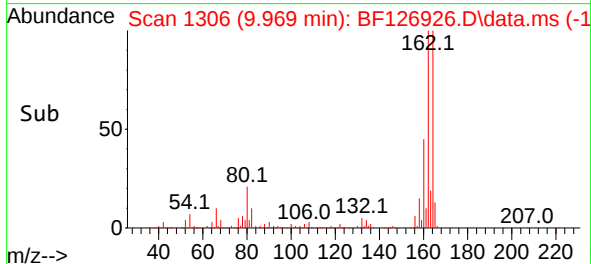
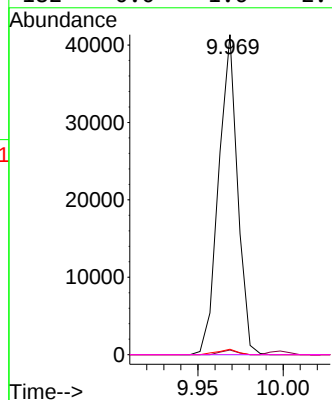
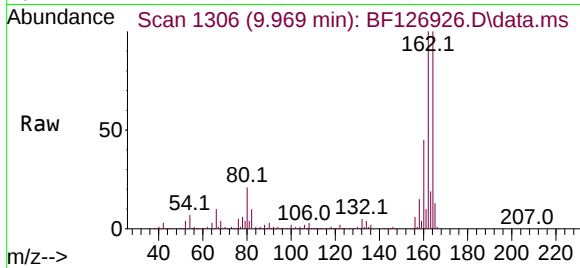




#57
2,4-Dinitrotoluene
Concen: 6.576 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

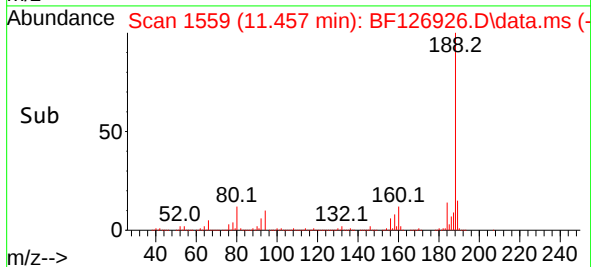
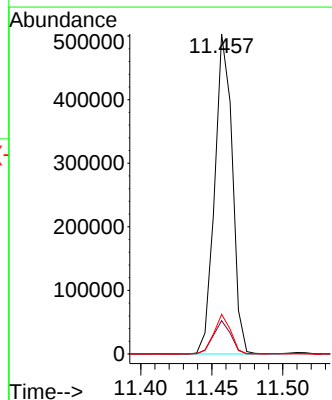
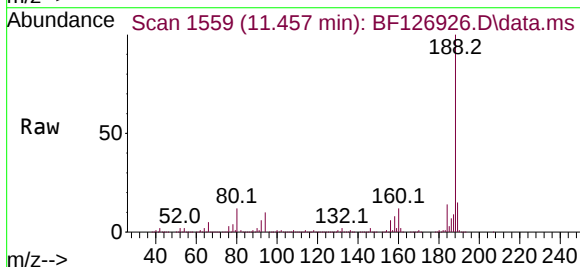
Instrument :
BNA_F
ClientSampleId :
TP-2

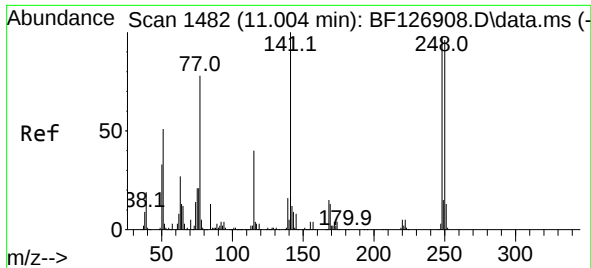
Tgt Ion:165 Resp: 31888
Ion Ratio Lower Upper
165 100
63 1.5 43.0 64.6#
89 1.7 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

Tgt Ion:188 Resp: 432677
Ion Ratio Lower Upper
188 100
94 10.4 10.1 15.1
80 12.4 11.8 17.6

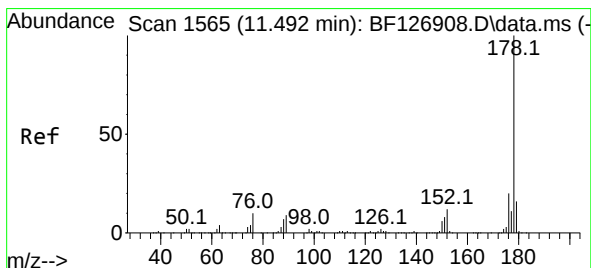
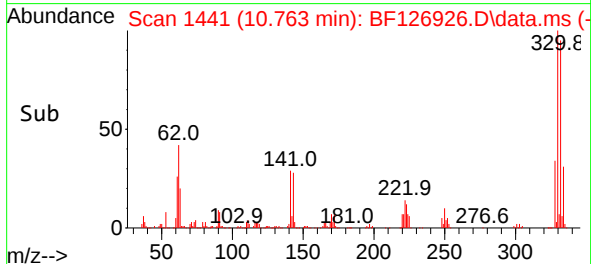
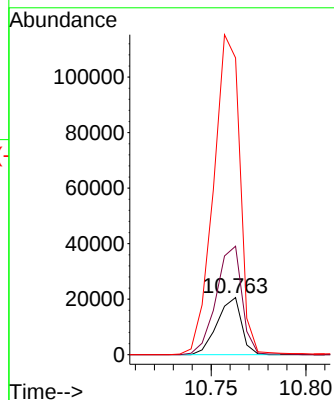
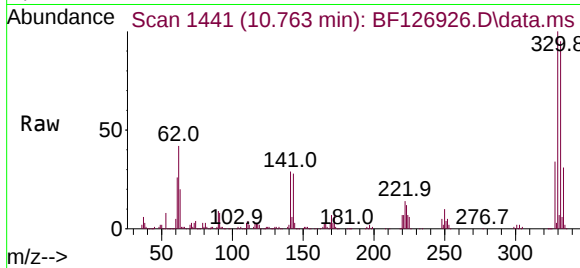




#67
4-Bromophenyl-phenylether
Concen: 3.787 ng
RT: 10.763 min Scan# 1482
Delta R.T. -0.241 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

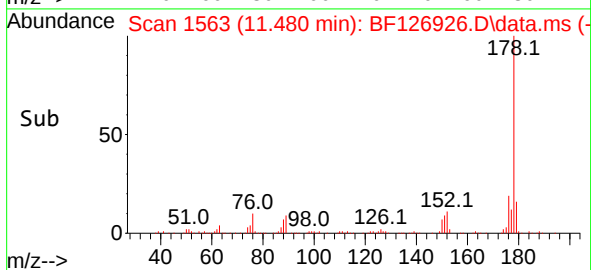
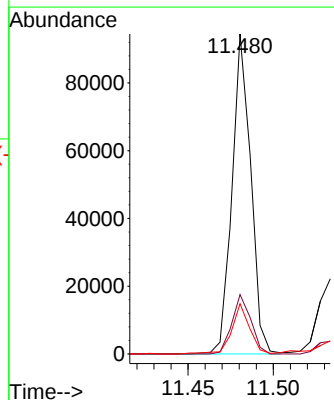
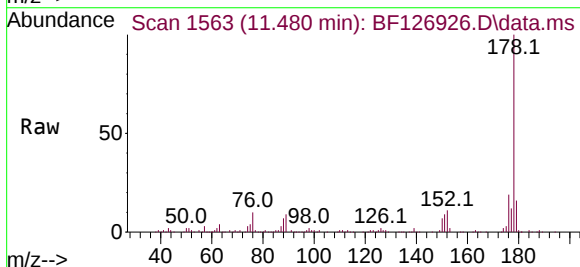
Instrument :
BNA_F
ClientSampleId :
TP-2

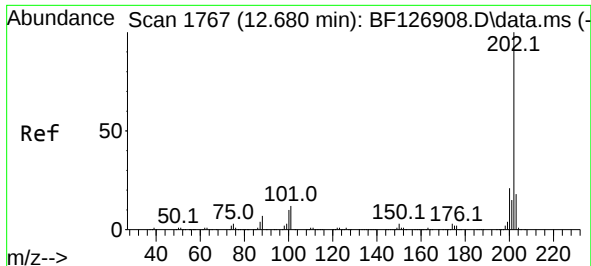
Tgt Ion:248 Resp: 18309
Ion Ratio Lower Upper
248 100
250 189.8 76.2 114.4#
141 519.1 66.2 99.4#



#71
Phenanthrene
Concen: 2.973 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

Tgt Ion:178 Resp: 71988
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 15.7 12.3 18.5

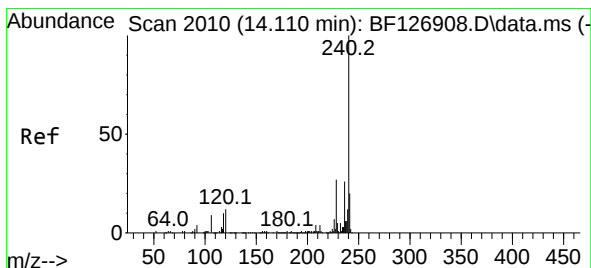
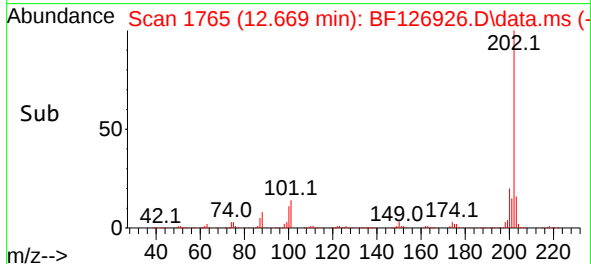
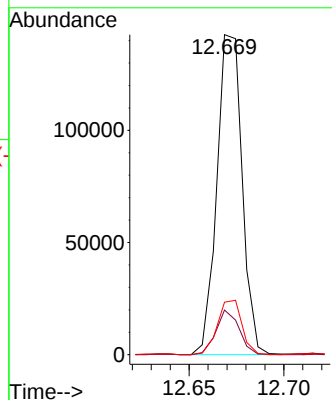
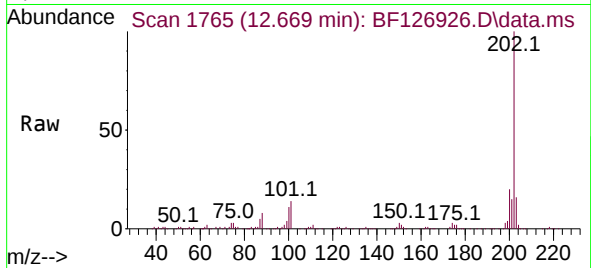




#75
Fluoranthene
Concen: 5.771 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

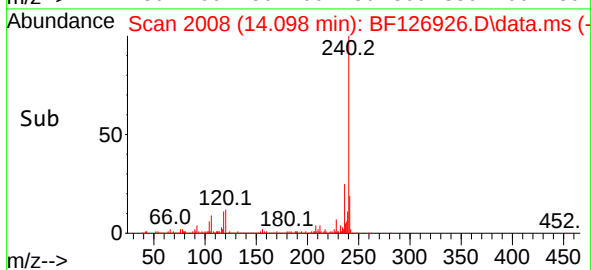
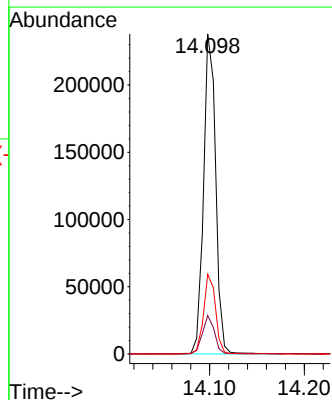
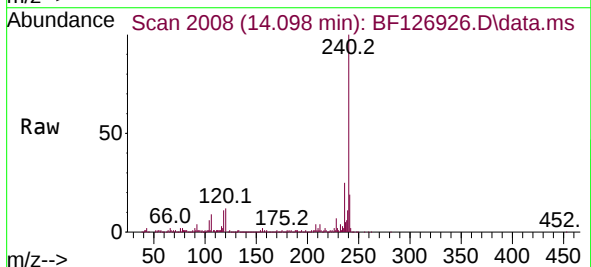
Instrument :
BNA_F
ClientSampleId :
TP-2

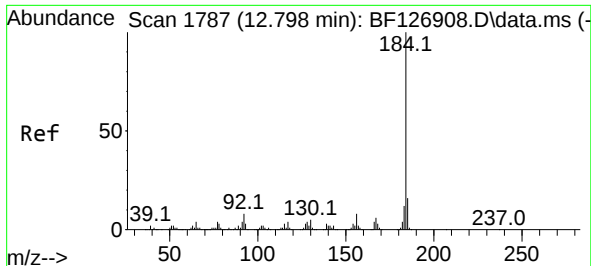
Tgt Ion:202 Resp: 132708
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.7
203 16.4 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

Tgt Ion:240 Resp: 211924
Ion Ratio Lower Upper
240 100
120 12.0 14.4 21.6#
236 24.9 20.5 30.7

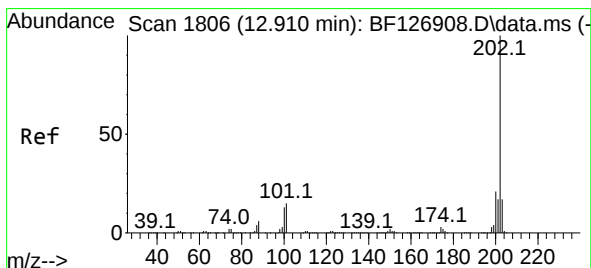
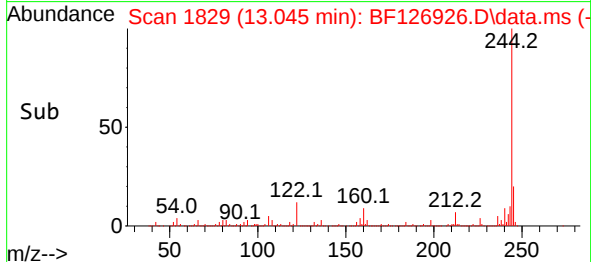
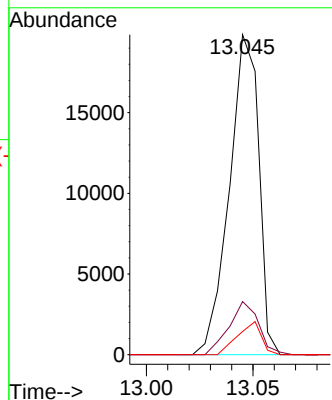
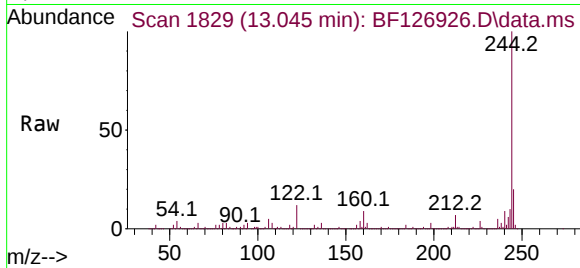




#77
Benzidine
Concen: 3.309 ng
RT: 13.045 min Scan# 1829
Delta R.T. 0.247 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

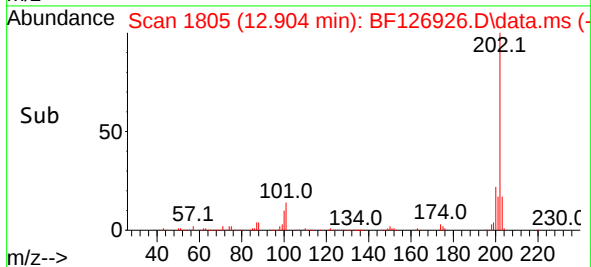
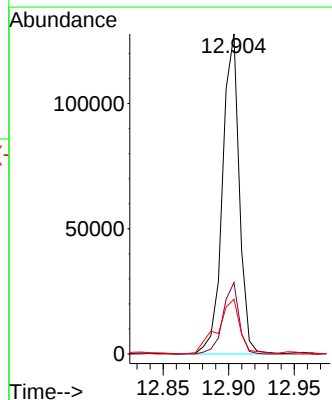
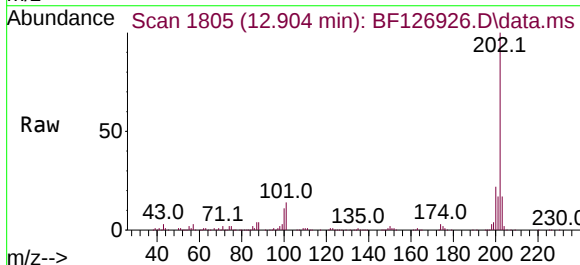
Instrument :
BNA_F
ClientSampleId :
TP-2

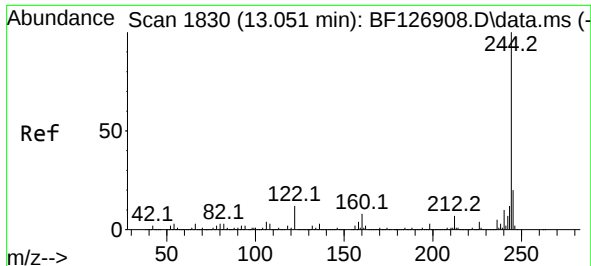
Tgt Ion:184 Resp: 19056
Ion Ratio Lower Upper
184 100
185 16.6 11.8 17.8
183 7.3 8.2 12.2#



#78
Pyrene
Concen: 6.178 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

Tgt Ion:202 Resp: 113739
Ion Ratio Lower Upper
202 100
200 22.3 16.6 24.8
203 17.1 13.8 20.8

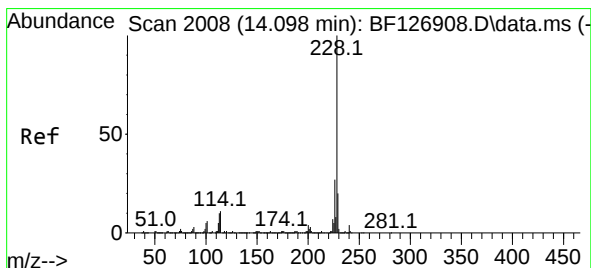
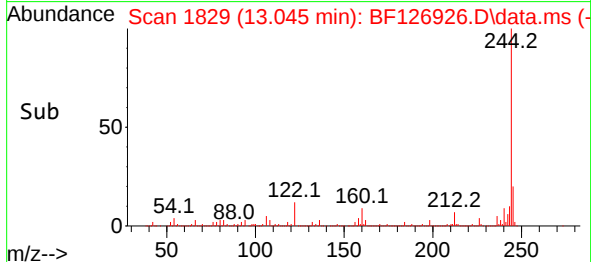
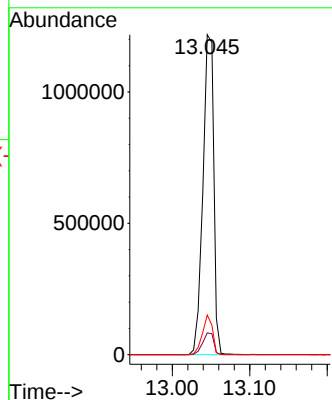
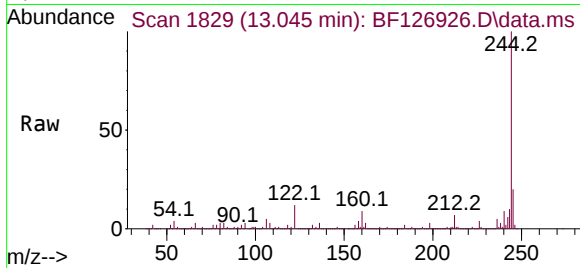




#79
 Terphenyl-d14
 Concen: 82.315 ng
 RT: 13.045 min Scan# 1829
 Delta R.T. -0.006 min
 Lab File: BF126926.D
 Acq: 17 Feb 2022 14:52

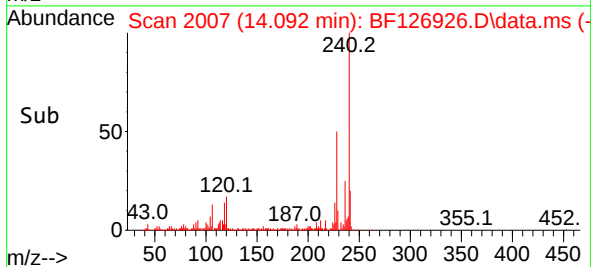
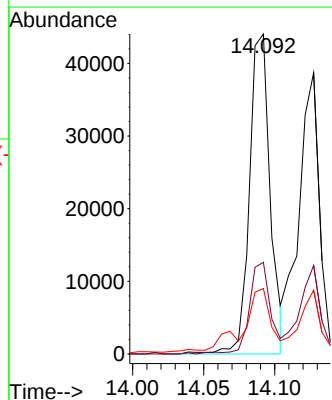
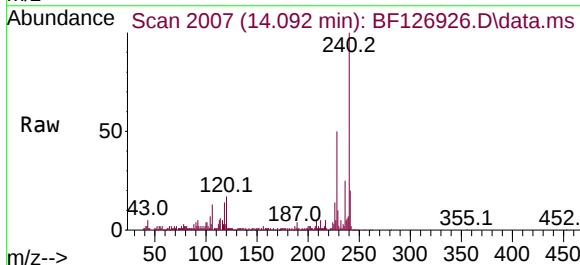
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

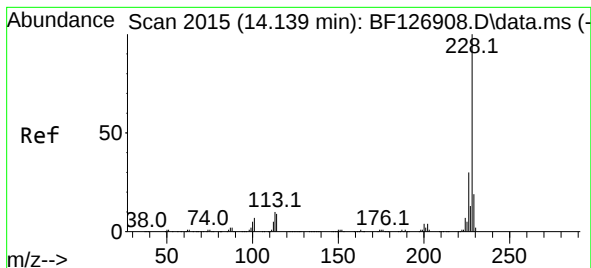
Tgt Ion:244 Resp: 1186666
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.4
 122 12.4 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 3.134 ng
 RT: 14.092 min Scan# 2007
 Delta R.T. -0.006 min
 Lab File: BF126926.D
 Acq: 17 Feb 2022 14:52

Tgt Ion:228 Resp: 44769
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.4 32.0
 229 20.5 15.4 23.2





#83

Chrysene

Concen: 2.951 ng

RT: 14.127 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

Instrument :

BNA_F

ClientSampleId :

TP-2

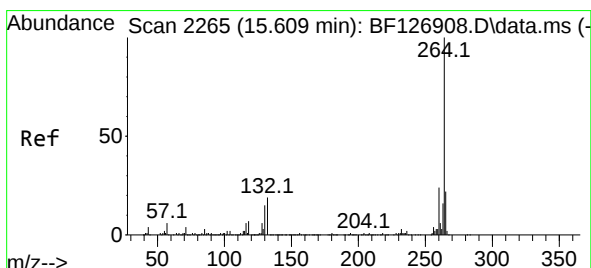
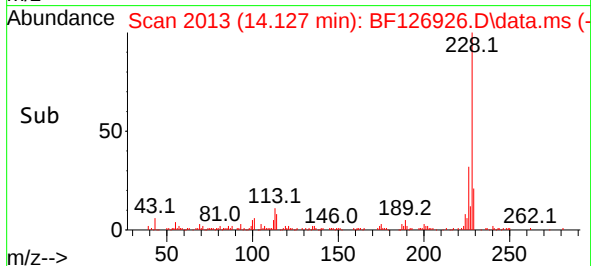
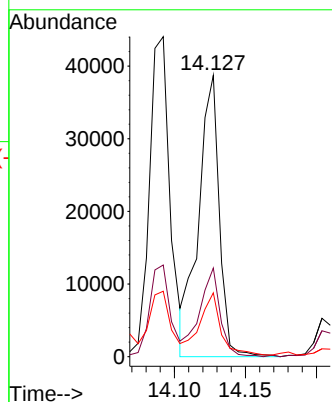
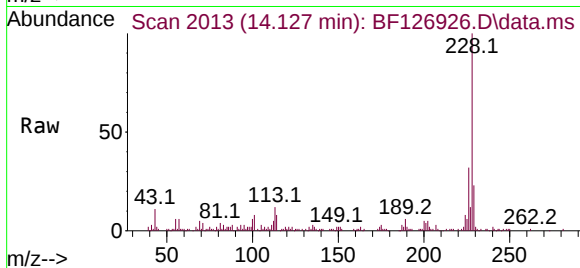
Tgt Ion:228 Resp: 39652

Ion Ratio Lower Upper

228 100

226 31.5 23.7 35.5

229 22.7 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.604 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF126926.D

Acq: 17 Feb 2022 14:52

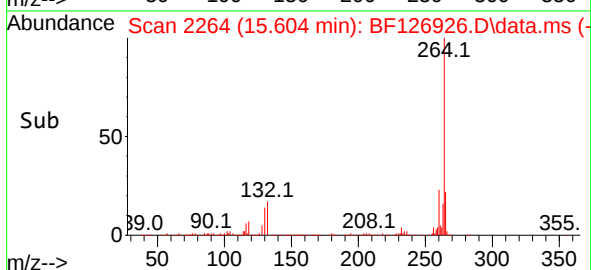
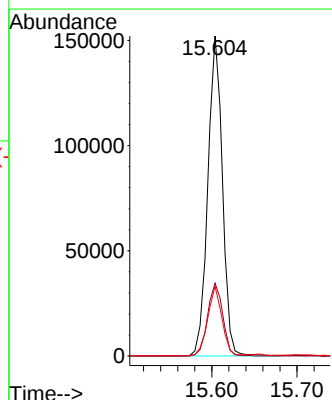
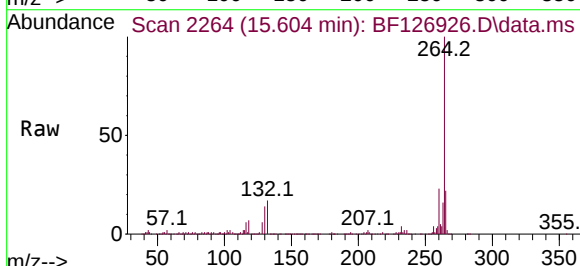
Tgt Ion:264 Resp: 180594

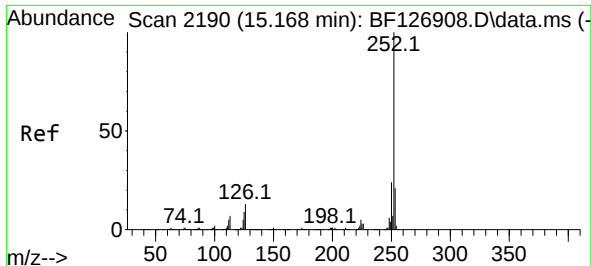
Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.8 17.4 26.2

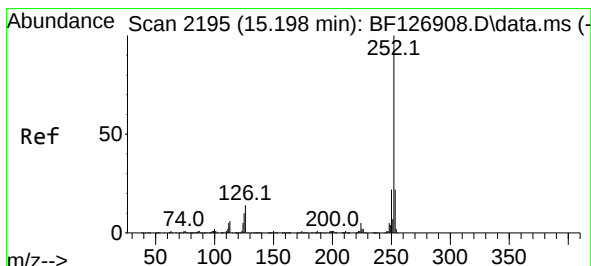
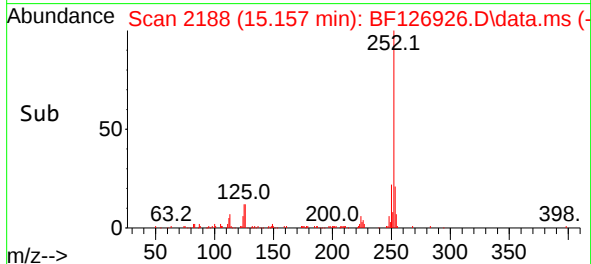
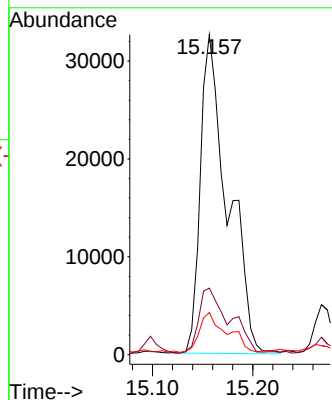
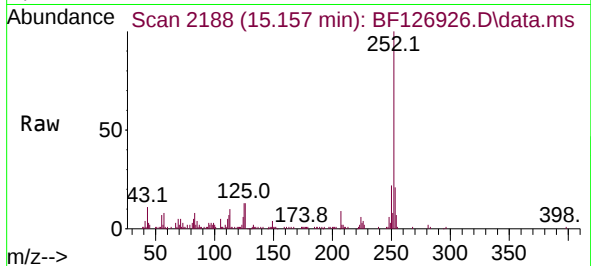




#88
Benzo(b)fluoranthene
Concen: 5.100 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

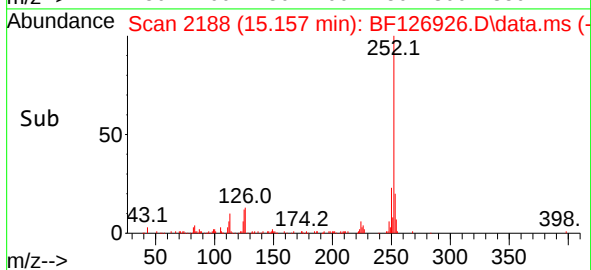
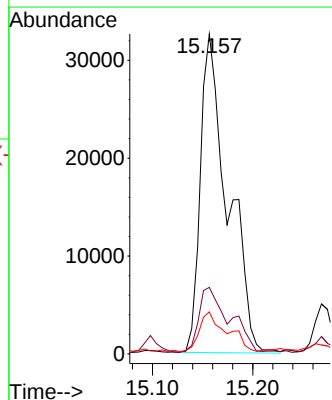
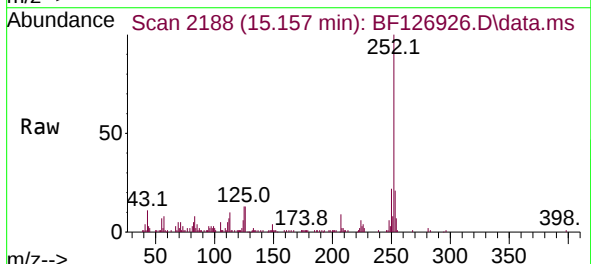
Instrument :
BNA_F
ClientSampleId :
TP-2

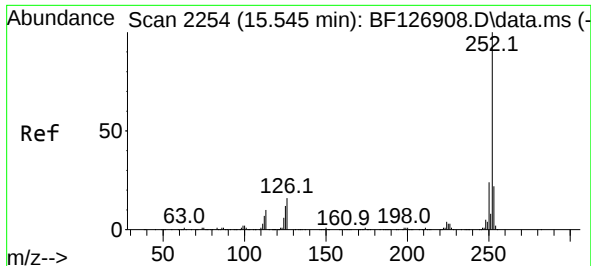
Tgt Ion:252 Resp: 61862
Ion Ratio Lower Upper
252 100
253 20.8 17.8 26.8
125 13.1 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 5.288 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

Tgt Ion:252 Resp: 61862
Ion Ratio Lower Upper
252 100
253 20.8 17.5 26.3
125 13.1 11.8 17.6

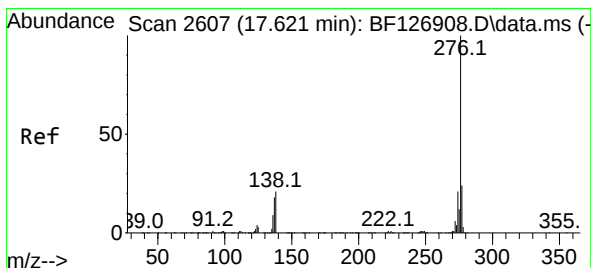
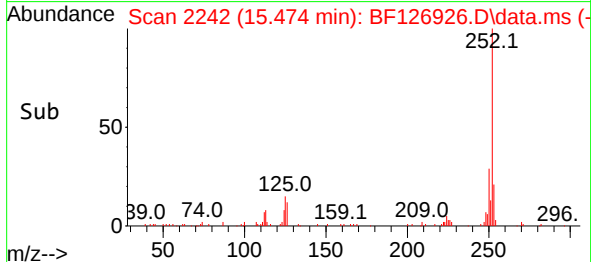
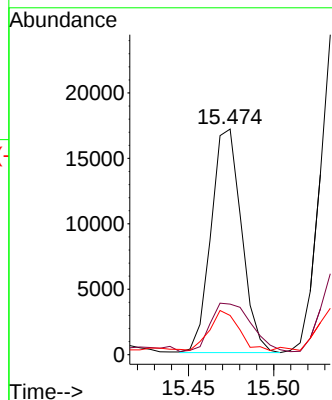
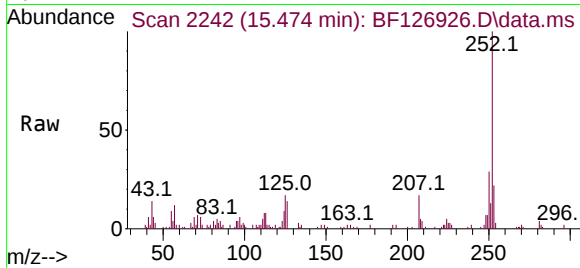




#90
Benzo(a)pyrene
Concen: 2.237 ng
RT: 15.474 min Scan# 211
Delta R.T. -0.070 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:252 Resp: 21190
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 17.4 13.0 19.6



#92
Benzo(g,h,i)perylene
Concen: 2.252 ng
RT: 17.592 min Scan# 2602
Delta R.T. -0.029 min
Lab File: BF126926.D
Acq: 17 Feb 2022 14:52

Tgt Ion:276 Resp: 21743
Ion Ratio Lower Upper
276 100
277 21.3 18.5 27.7
138 24.8 25.9 38.9#

