

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021122\
 Data File : BF126859.D
 Acq On : 11 Feb 2022 16:04
 Operator : CG\JU
 Sample : N1489-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

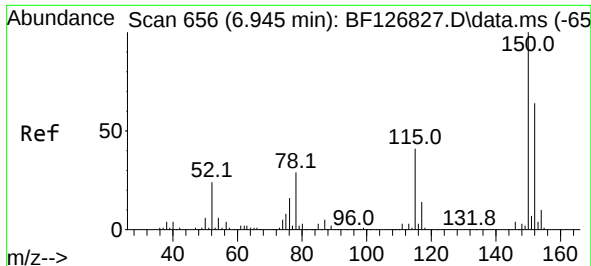
Quant Time: Feb 11 22:42:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 10 00:44:00 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	108591	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	440625	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	228144	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	420736	20.000	ng	0.00
76) Chrysene-d12	14.116	240	232980	20.000	ng	0.00
86) Perylene-d12	15.621	264	211456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	609509	86.419	ng	0.00
7) Phenol-d6	6.557	99	823584	86.498	ng	0.00
23) Nitrobenzene-d5	7.498	82	604206	63.269	ng	-0.01
42) 2,4,6-Tribromophenol	10.769	330	220371	90.099	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	928424	61.257	ng	0.00
79) Terphenyl-d14	13.057	244	1035116	63.693	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.563	94	19318	2.013	ng	# 63
19) n-Nitroso-di-n-propyla...	7.498	70	81828	13.571	ng	# 79
25) Isophorone	7.498	82	603388	37.713	ng	# 68
51) 2,6-Dinitrotoluene	9.981	165	30062	9.197	ng	# 21
54) 2,4-Dinitrophenol	10.257	184	55	5.054	ng	# 15
56) 4-Nitrophenol	10.181	139	13161	4.596	ng	# 1
57) 2,4-Dinitrotoluene	9.981	165	30062	6.956	ng	# 16
67) 4-Bromophenyl-phenylether	10.769	248	13470	2.946	ng	# 1
71) Phenanthrene	11.492	178	646049	27.712	ng	99
72) Anthracene	11.545	178	136082	5.842	ng	98
73) Carbazole	11.698	167	74917	3.533	ng	99
75) Fluoranthene	12.686	202	767703	35.206	ng	98
78) Pyrene	12.916	202	618935	29.270	ng	99
81) Benzo(a)anthracene	14.104	228	272817	17.285	ng	99
83) Chrysene	14.139	228	226327	15.271	ng	99
87) Indeno(1,2,3-cd)pyrene	17.157	276	108187	7.176	ng	96
88) Benzo(b)fluoranthene	15.174	252	325179	24.074	ng	97
89) Benzo(k)fluoranthene	15.174	252	325179	23.317	ng	97
90) Benzo(a)pyrene	15.557	252	161257	14.630	ng	95
91) Dibenzo(a,h)anthracene	17.162	278	31131	2.486	ng	96
92) Benzo(g,h,i)perylene	17.621	276	96412	7.740	ng	98

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

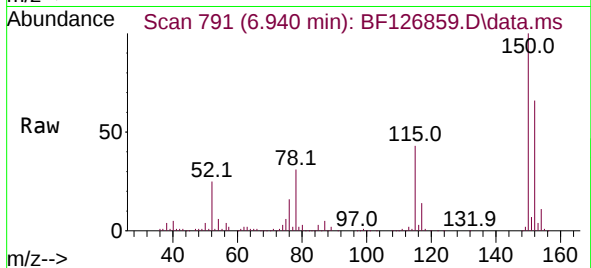
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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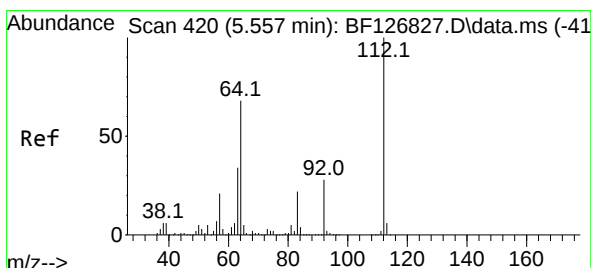
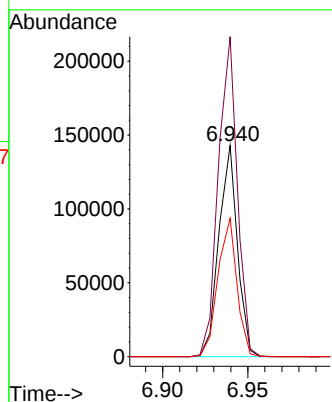
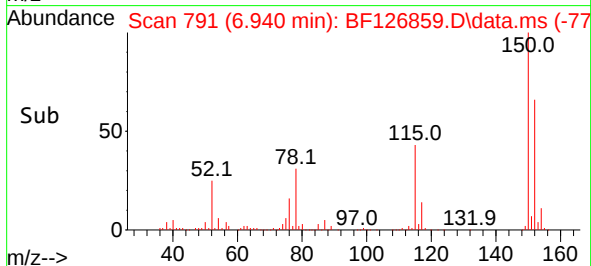


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Instrument :
BNA_F
ClientSampleId :
COMP-2

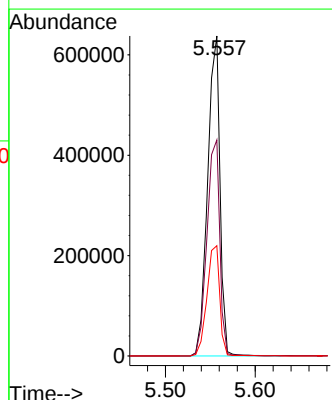
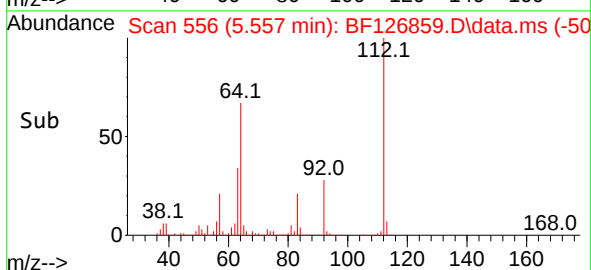
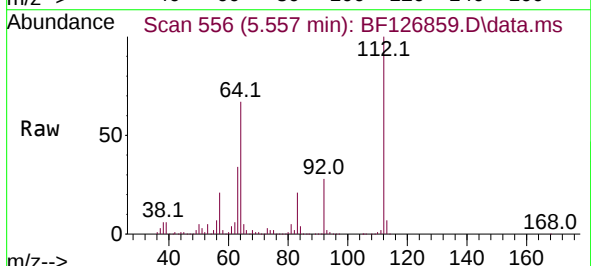


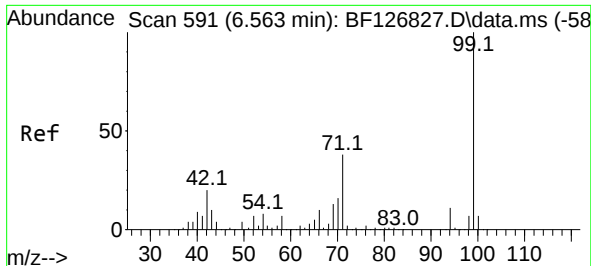
Tgt Ion:152 Resp: 108591
Ion Ratio Lower Upper
152 100
150 151.5 124.3 186.5
115 65.5 50.5 75.7



#5
2-Fluorophenol
Concen: 86.419 ng
RT: 5.557 min Scan# 556
Delta R.T. -0.000 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:112 Resp: 609509
Ion Ratio Lower Upper
112 100
64 67.5 54.3 81.5
63 34.5 27.5 41.3





#7

Phenol-d6

Concen: 86.498 ng

RT: 6.557 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

Instrument :

BNA_F

ClientSampleId :

COMP-2

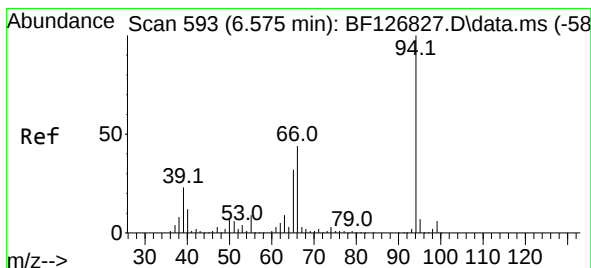
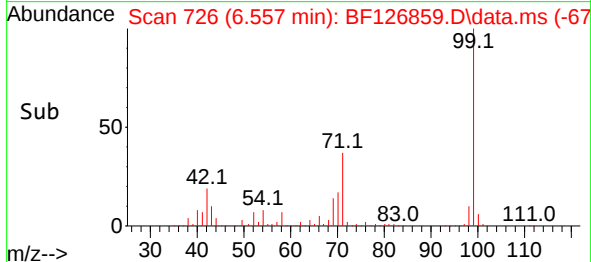
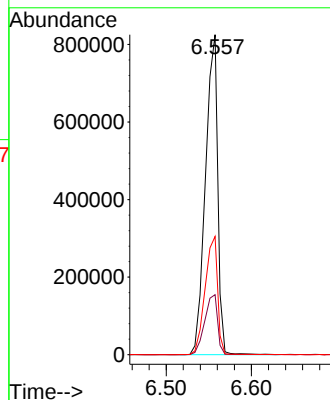
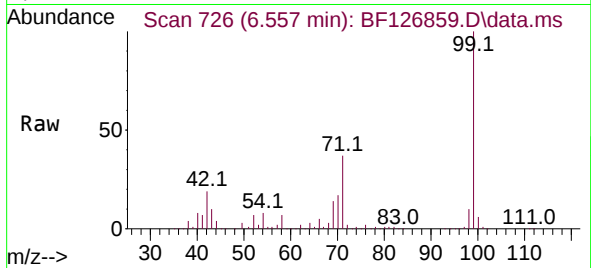
Tgt Ion: 99 Resp: 823584

Ion Ratio Lower Upper

99 100

42 18.8 15.8 23.6

71 37.0 30.6 45.8



#10

Phenol

Concen: 2.013 ng

RT: 6.563 min Scan# 727

Delta R.T. -0.012 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

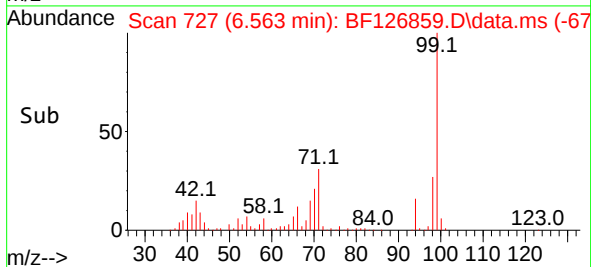
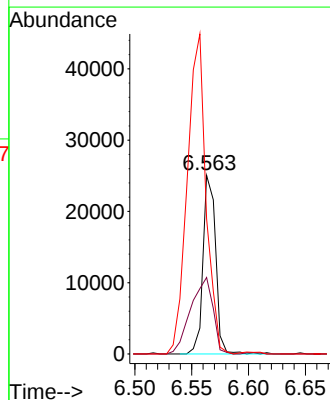
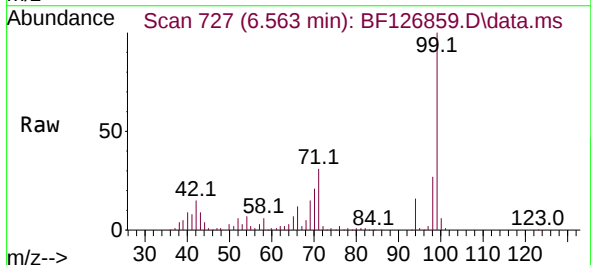
Tgt Ion: 94 Resp: 19318

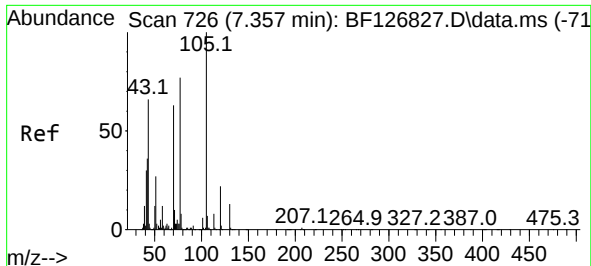
Ion Ratio Lower Upper

94 100

65 42.8 12.1 52.1

66 75.7 23.6 63.6#

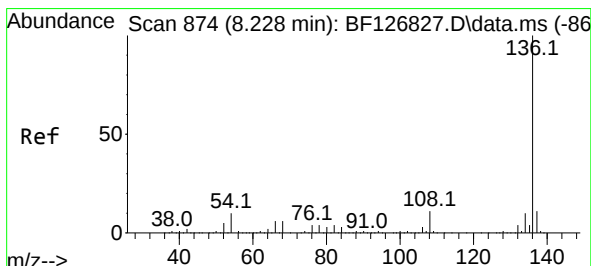
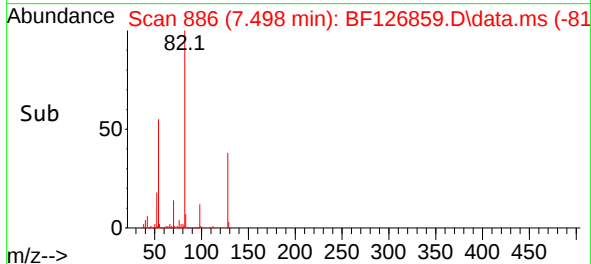
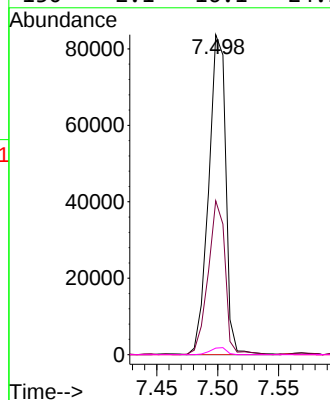
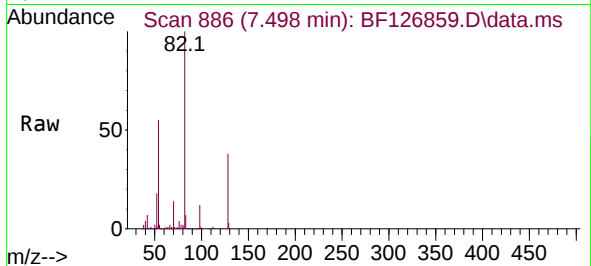




#19
n-Nitroso-di-n-propylamine
Concen: 13.571 ng
RT: 7.498 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

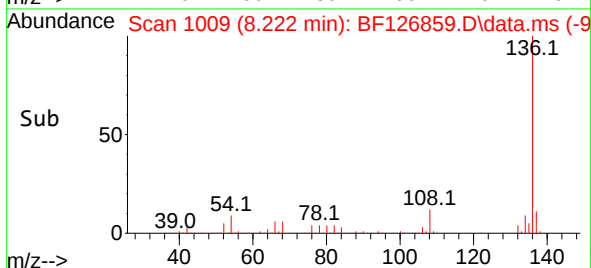
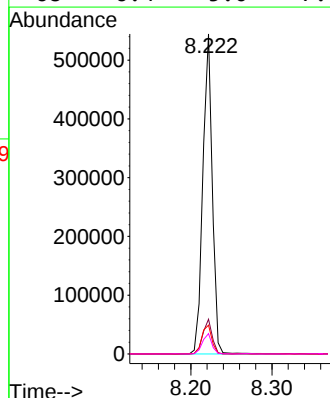
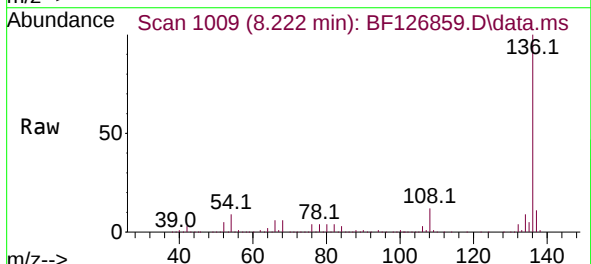
Instrument :
BNA_F
ClientSampleId :
COMP-2

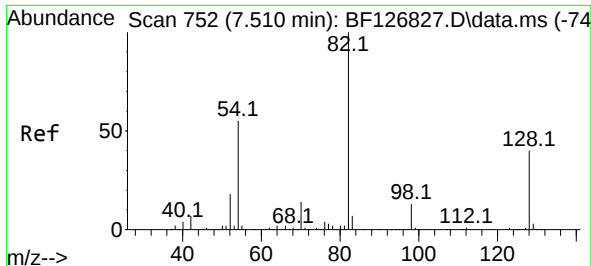
Tgt Ion: 70 Resp: 81828
Ion Ratio Lower Upper
70 100
42 48.1 46.3 69.5
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:136 Resp: 440625
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.0 8.0 12.0
68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 63.269 ng

RT: 7.498 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

Instrument :

BNA_F

ClientSampleId :

COMP-2

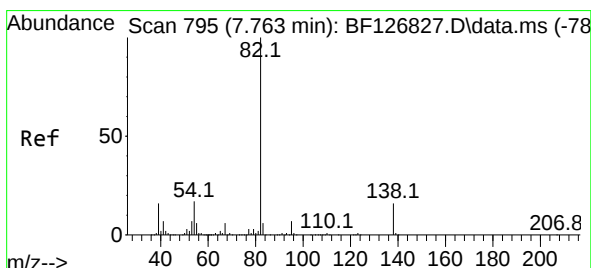
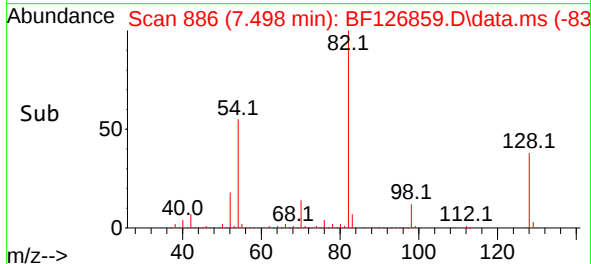
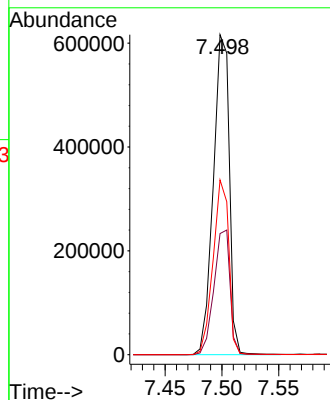
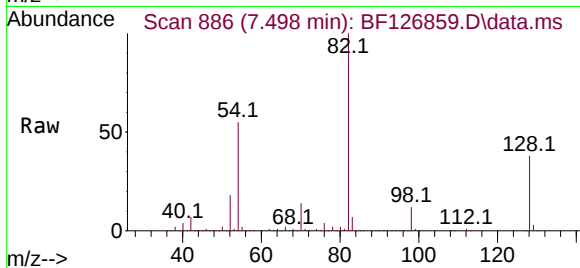
Tgt Ion: 82 Resp: 604206

Ion Ratio Lower Upper

82 100

128 37.8 31.6 47.4

54 54.6 43.7 65.5



#25

Isophorone

Concen: 37.713 ng

RT: 7.498 min Scan# 886

Delta R.T. -0.265 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

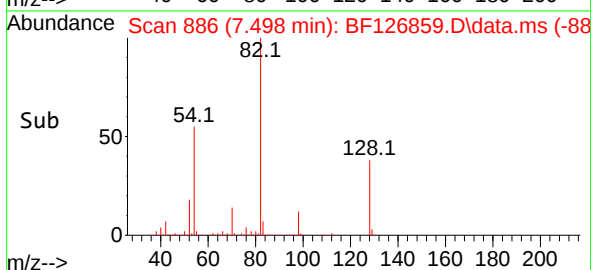
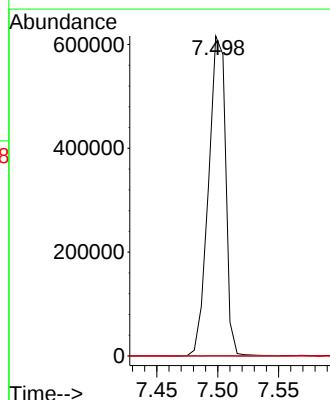
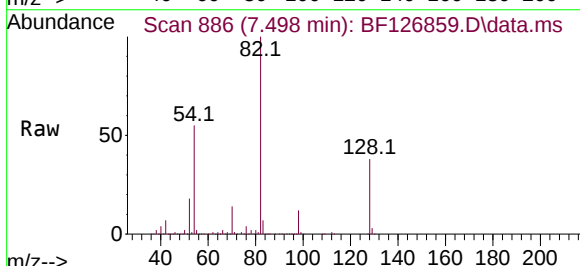
Tgt Ion: 82 Resp: 603388

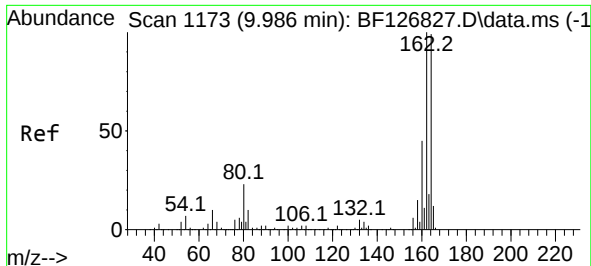
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 12.6 19.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.981 min Scan# 1173

Delta R.T. -0.005 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

Instrument :

BNA_F

ClientSampleId :

COMP-2

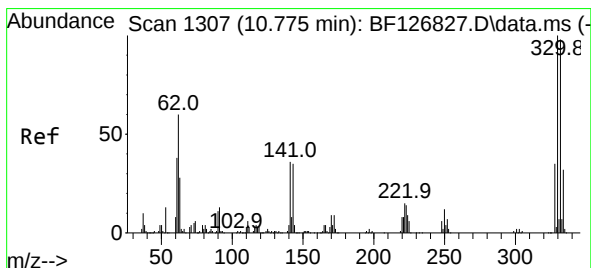
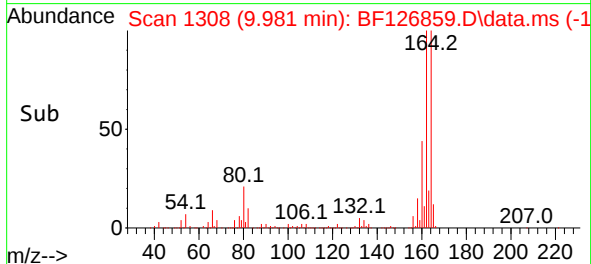
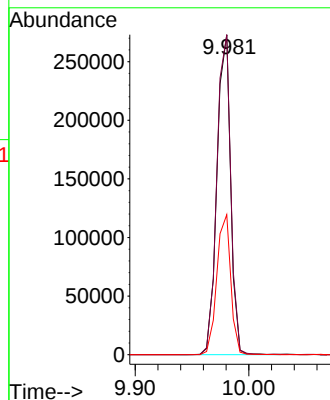
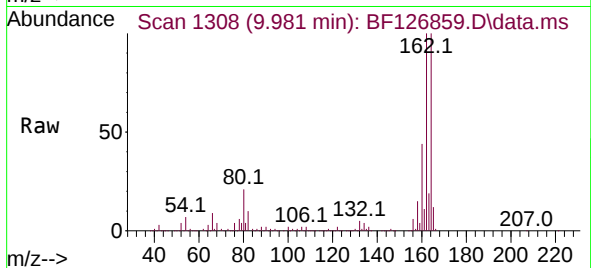
Tgt Ion:164 Resp: 228144

Ion Ratio Lower Upper

164 100

162 100.0 80.9 121.3

160 43.8 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 90.099 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

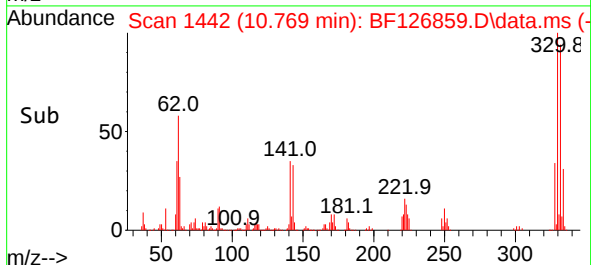
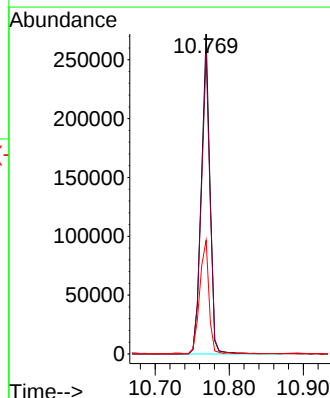
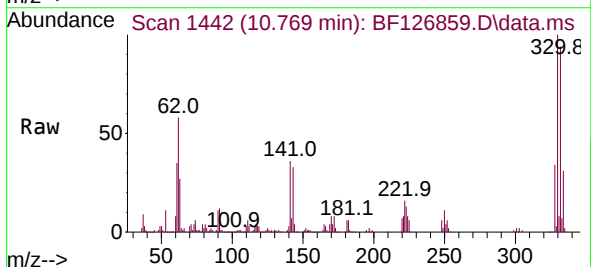
Tgt Ion:330 Resp: 220371

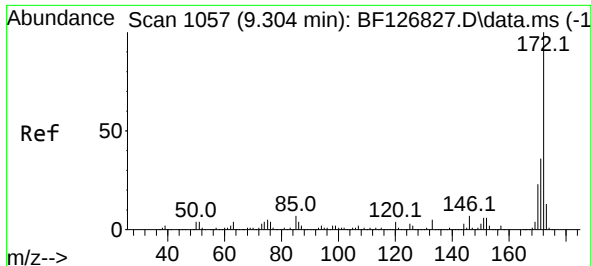
Ion Ratio Lower Upper

330 100

332 95.4 78.2 117.4

141 38.0 31.2 46.8

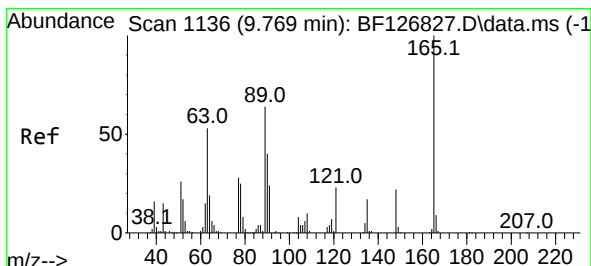
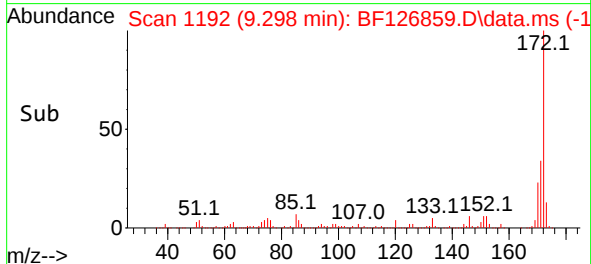
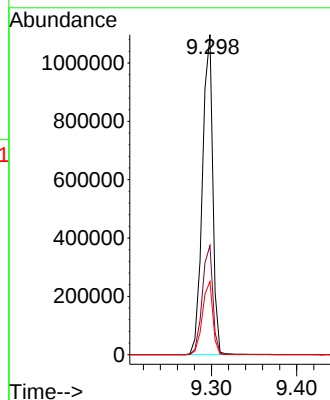
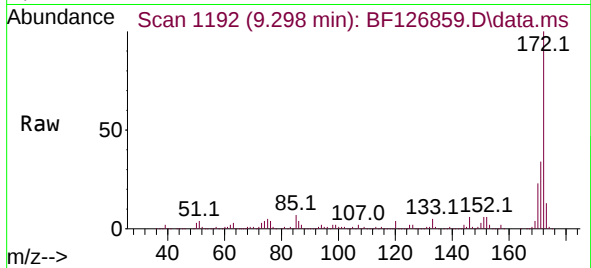




#45
2-Fluorobiphenyl
Concen: 61.257 ng
RT: 9.298 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

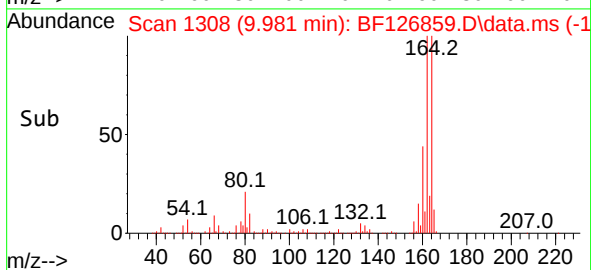
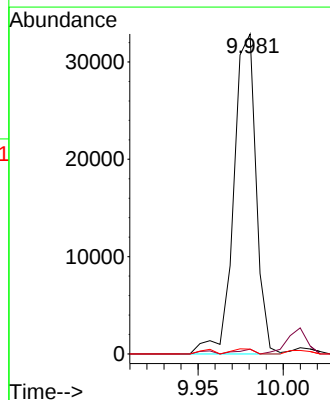
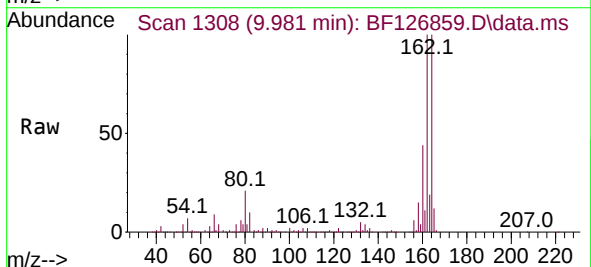
Instrument :
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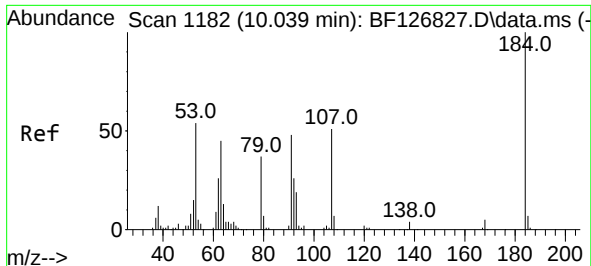
Tgt Ion:172 Resp: 928424
Ion Ratio Lower Upper
172 100
171 34.1 28.5 42.7
170 22.9 18.7 28.1



#51
2,6-Dinitrotoluene
Concen: 9.197 ng
RT: 9.981 min Scan# 1308
Delta R.T. 0.212 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:165 Resp: 30062
Ion Ratio Lower Upper
165 100
63 1.5 49.9 74.9#
89 1.5 51.0 76.4#

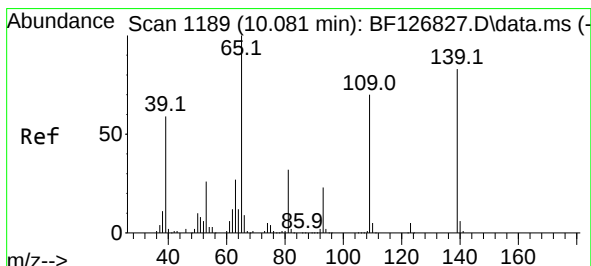
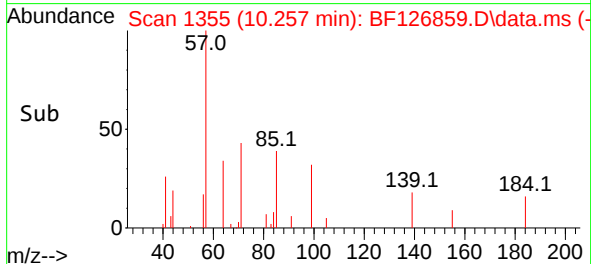
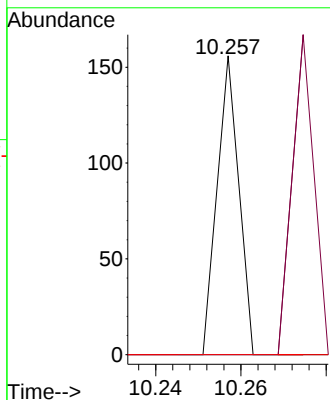
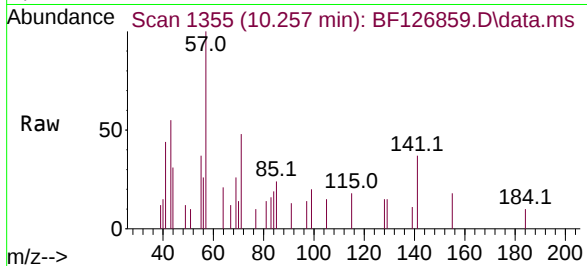




#54
2,4-Dinitrophenol
Concen: 5.054 ng
RT: 10.257 min Scan# 1182
Delta R.T. 0.218 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

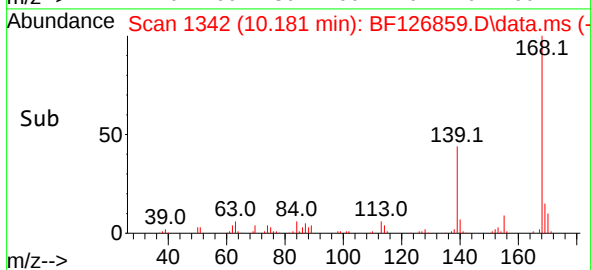
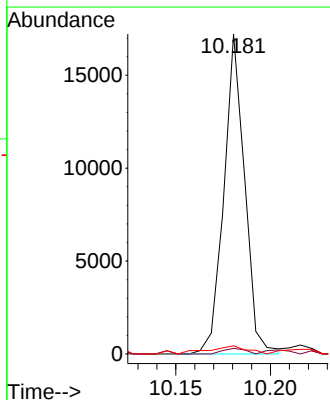
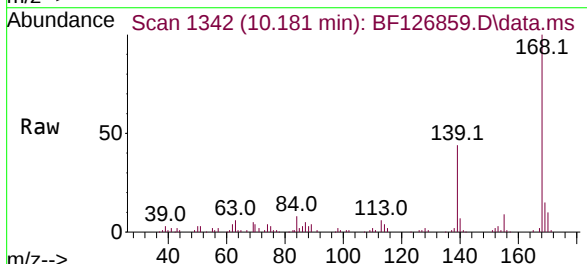
Instrument :
BNA_F
ClientSampleId :
COMP-2

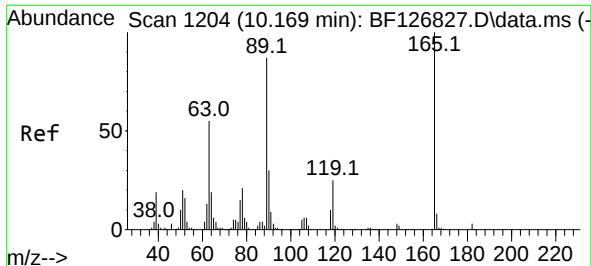
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 57.4 86.0#
154 0.0 53.6 80.4#



#56
4-Nitrophenol
Concen: 4.596 ng
RT: 10.181 min Scan# 1342
Delta R.T. 0.100 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:139 Resp: 13161
Ion Ratio Lower Upper
139 100
109 1.8 64.6 104.6#
65 2.5 101.0 141.0#

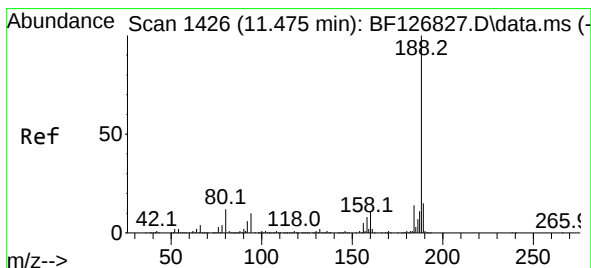
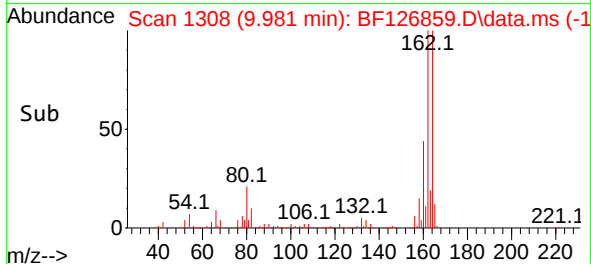
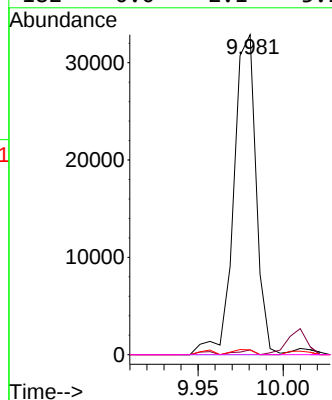
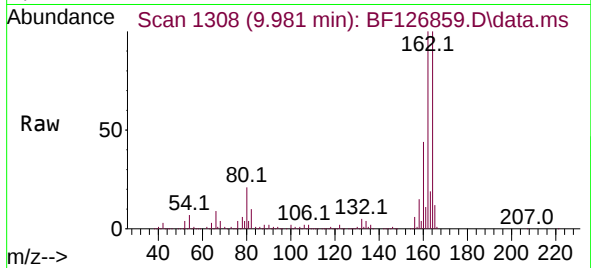




#57
2,4-Dinitrotoluene
Concen: 6.956 ng
RT: 9.981 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

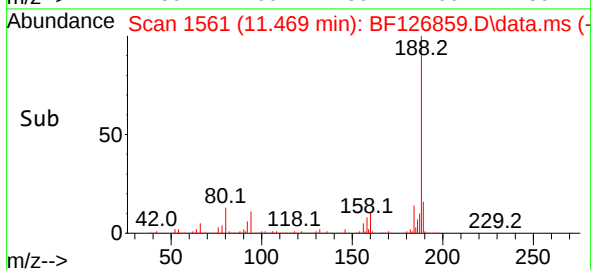
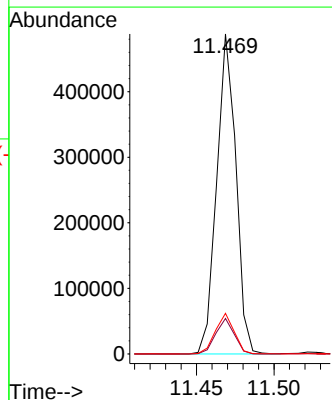
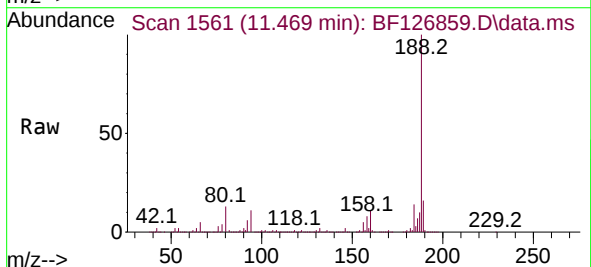
Instrument :
BNA_F
ClientSampleId :
COMP-2

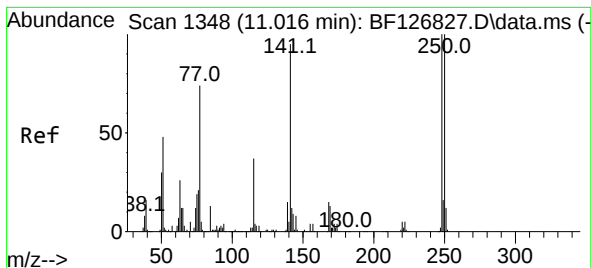
Tgt Ion:165 Resp: 30062
Ion Ratio Lower Upper
165 100
63 1.5 43.9 65.9#
89 1.5 69.8 104.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:188 Resp: 420736
Ion Ratio Lower Upper
188 100
94 11.1 8.1 12.1
80 12.7 9.5 14.3

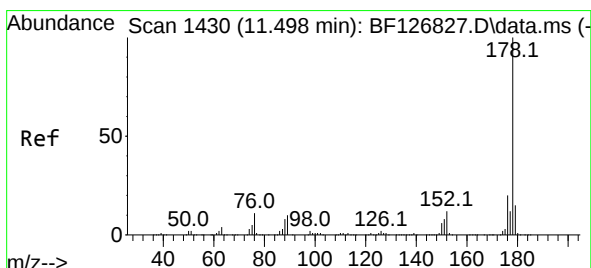
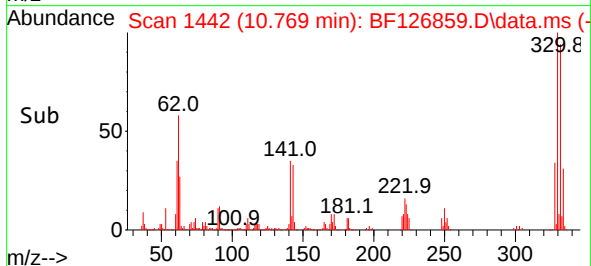
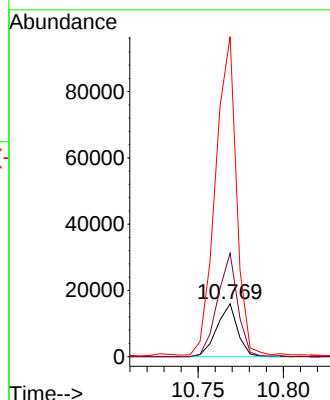
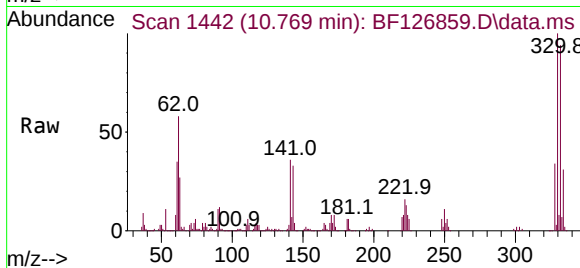




#67
4-Bromophenyl-phenylether
Concen: 2.946 ng
RT: 10.769 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

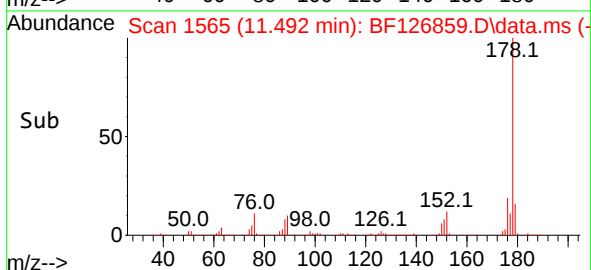
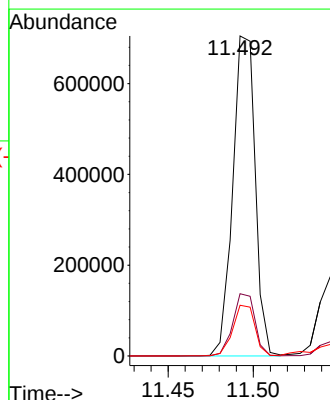
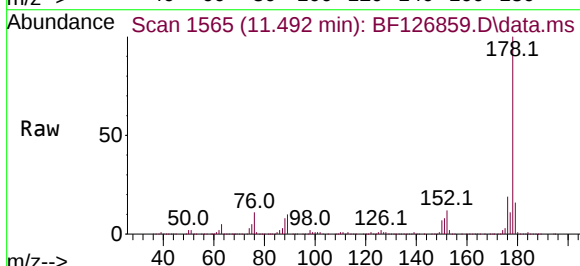
Instrument :
BNA_F
ClientSampleId :
COMP-2

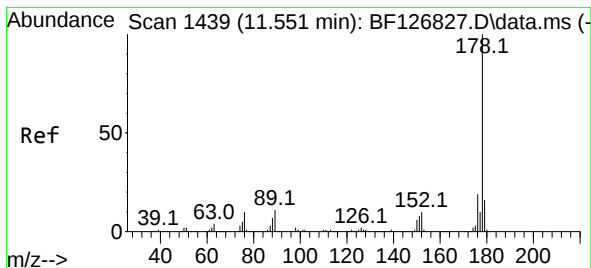
Tgt Ion:248 Resp: 13470
Ion Ratio Lower Upper
248 100
250 195.6 80.0 120.0#
141 604.5 75.6 113.4#



#71
Phenanthrene
Concen: 27.712 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:178 Resp: 646049
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.9 12.1 18.1





#72

Anthracene

Concen: 5.842 ng

RT: 11.545 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

Instrument :

BNA_F

ClientSampleId :

COMP-2

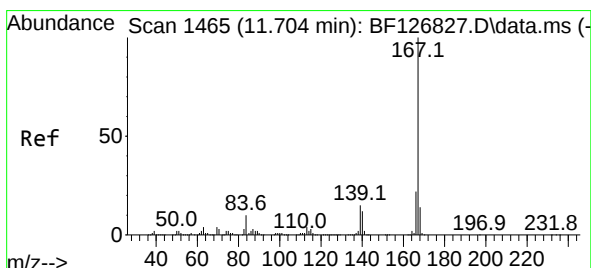
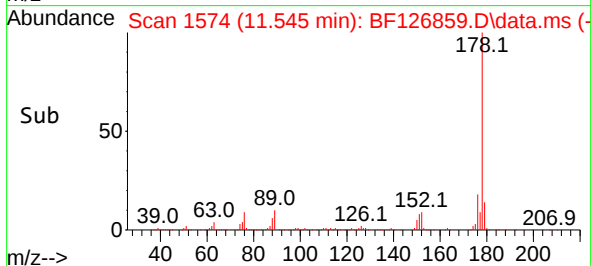
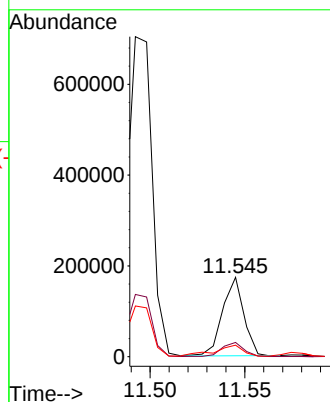
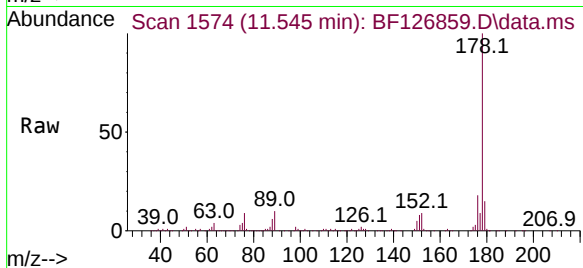
Tgt Ion:178 Resp: 136082

Ion Ratio Lower Upper

178 100

176 17.9 14.9 22.3

179 14.5 12.5 18.7



#73

Carbazole

Concen: 3.533 ng

RT: 11.698 min Scan# 1600

Delta R.T. -0.006 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

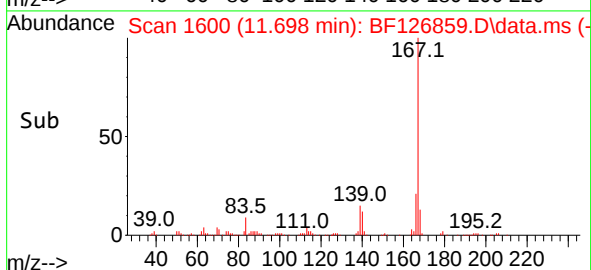
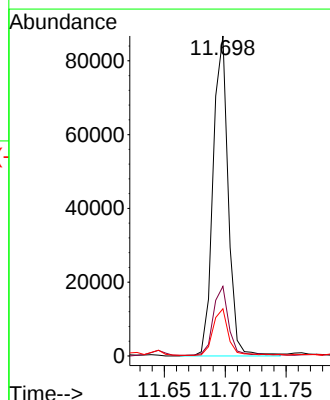
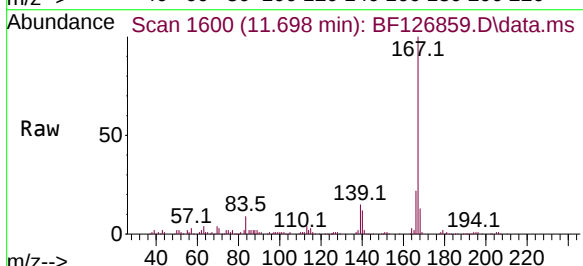
Tgt Ion:167 Resp: 74917

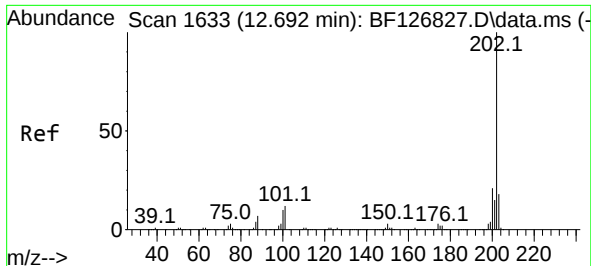
Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

139 14.8 12.2 18.4

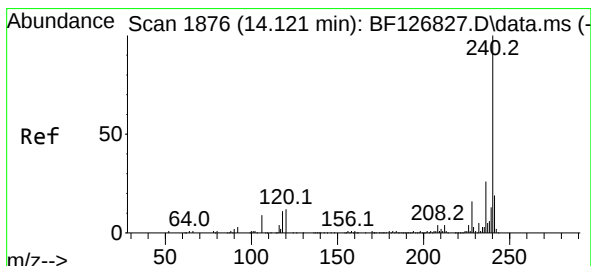
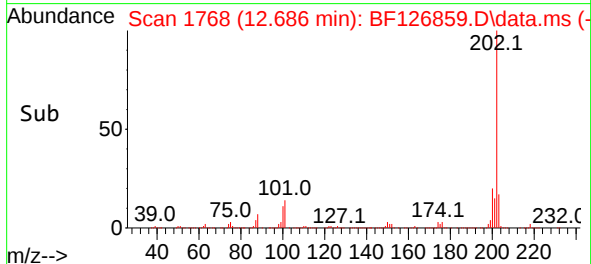
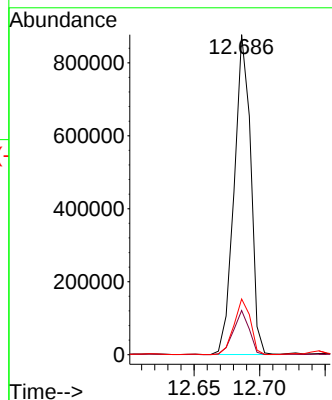
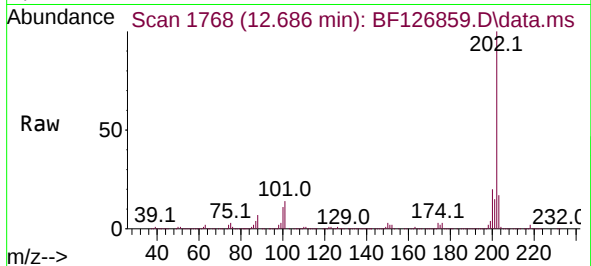




#75
Fluoranthene
Concen: 35.206 ng
RT: 12.686 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

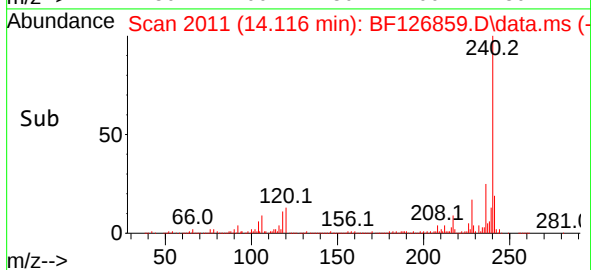
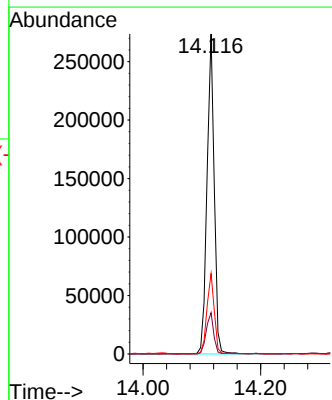
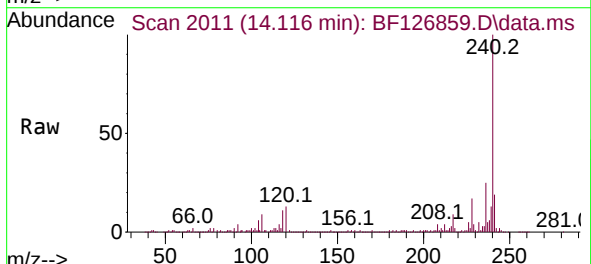
Instrument :
BNA_F
ClientSampleId :
COMP-2

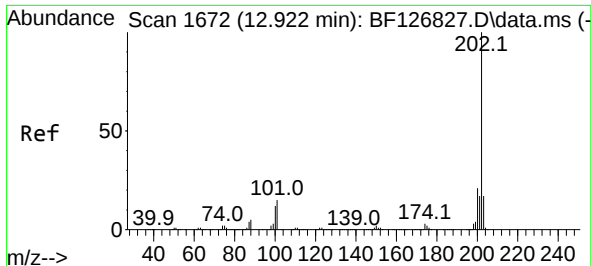
Tgt Ion:202 Resp: 767703
Ion Ratio Lower Upper
202 100
101 13.8 0.0 32.5
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:240 Resp: 232980
Ion Ratio Lower Upper
240 100
120 12.9 9.8 14.6
236 25.1 20.5 30.7

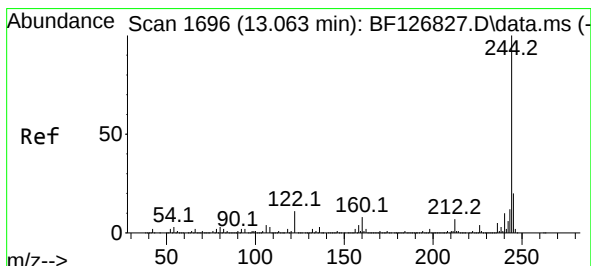
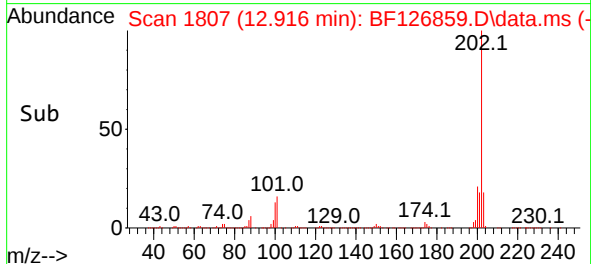
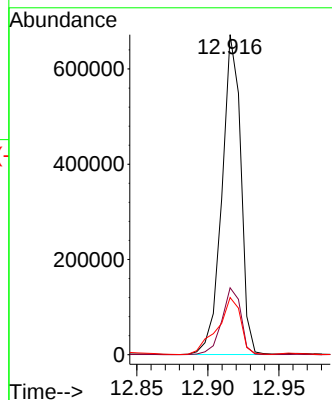
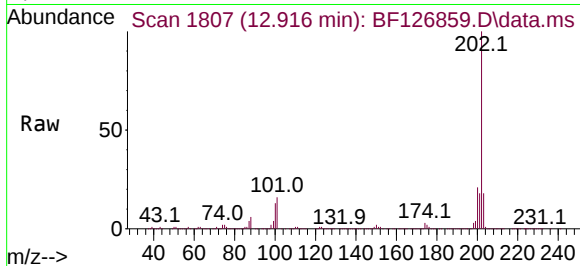




#78
Pyrene
Concen: 29.270 ng
RT: 12.916 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

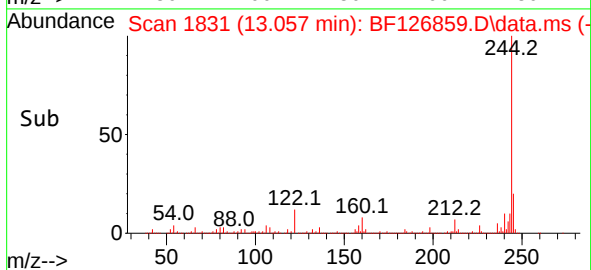
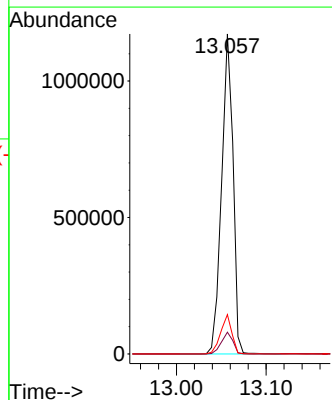
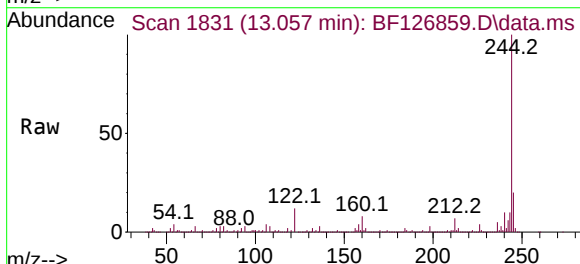
Instrument :
BNA_F
ClientSampleId :
COMP-2

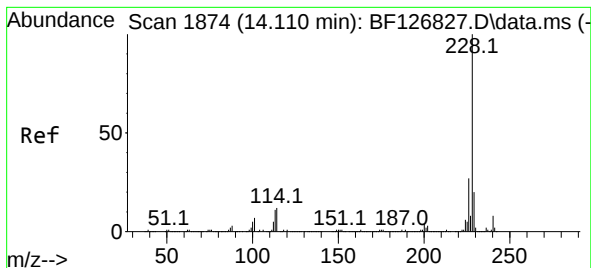
Tgt Ion:202 Resp: 618935
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 17.9 13.9 20.9



#79
Terphenyl-d14
Concen: 63.693 ng
RT: 13.057 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:244 Resp: 1035116
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 12.3 9.0 13.6





#81

Benzo(a)anthracene

Concen: 17.285 ng

RT: 14.104 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

Instrument :

BNA_F

ClientSampleId :

COMP-2

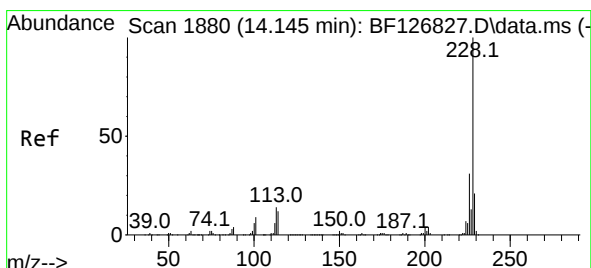
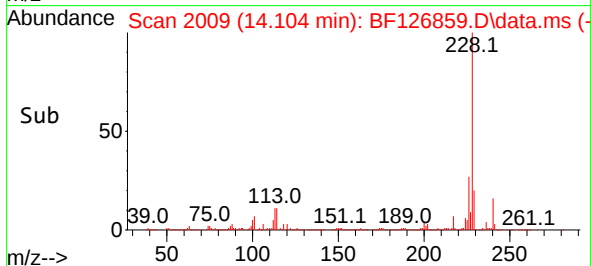
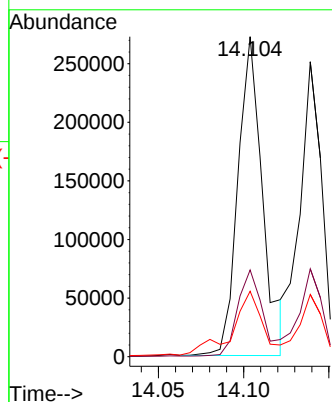
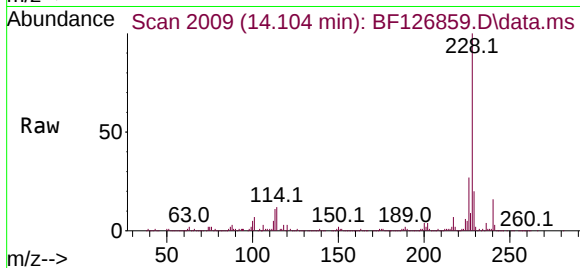
Tgt Ion:228 Resp: 272817

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.2

229 20.5 16.0 24.0



#83

Chrysene

Concen: 15.271 ng

RT: 14.139 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

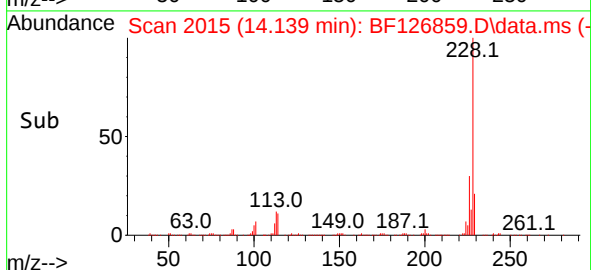
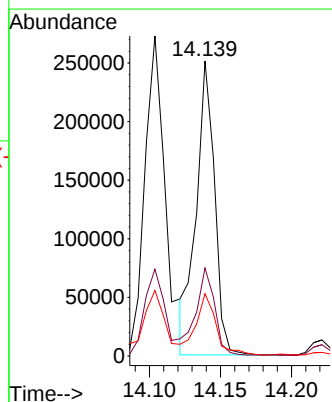
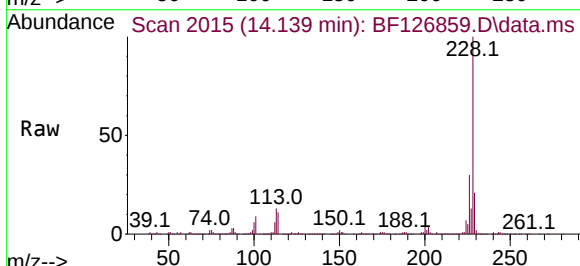
Tgt Ion:228 Resp: 226327

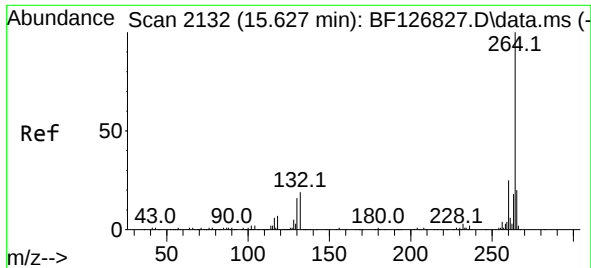
Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

229 21.1 16.4 24.6

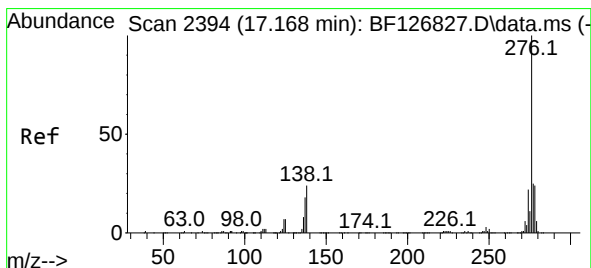
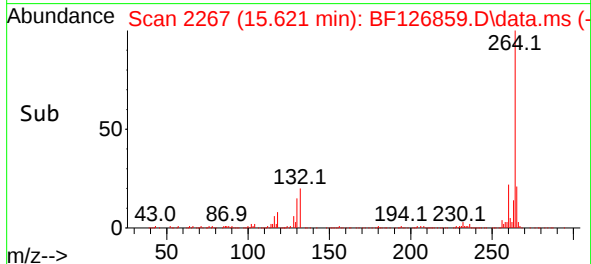
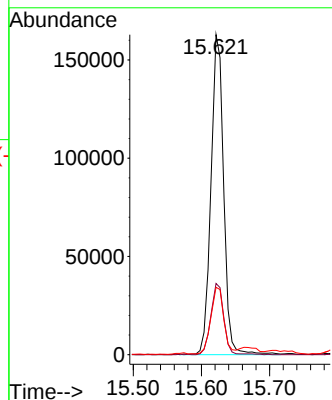
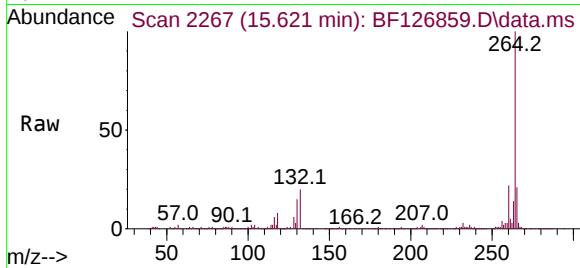




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 2132
 Delta R.T. -0.006 min
 Lab File: BF126859.D
 Acq: 11 Feb 2022 16:04

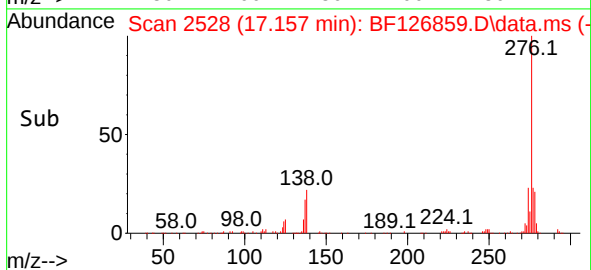
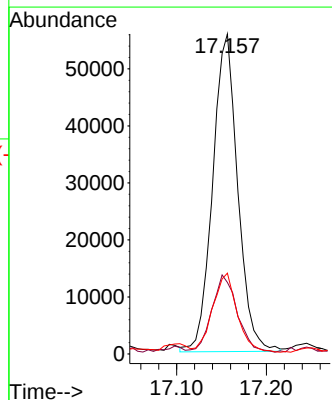
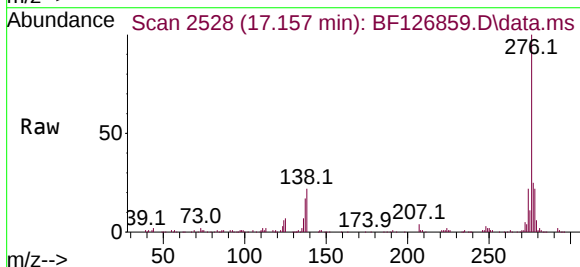
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

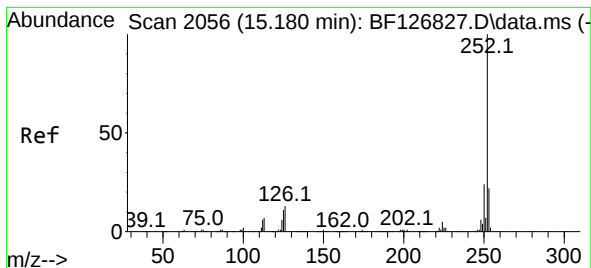
Tgt Ion:264 Resp: 211456
 Ion Ratio Lower Upper
 264 100
 260 22.3 19.6 29.4
 265 21.0 15.9 23.9



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.176 ng
 RT: 17.157 min Scan# 2528
 Delta R.T. -0.012 min
 Lab File: BF126859.D
 Acq: 11 Feb 2022 16:04

Tgt Ion:276 Resp: 108187
 Ion Ratio Lower Upper
 276 100
 138 24.6 22.6 33.8
 277 24.4 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 24.074 ng

RT: 15.174 min Scan# 2191

Delta R.T. -0.006 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

Instrument :

BNA_F

ClientSampleId :

COMP-2

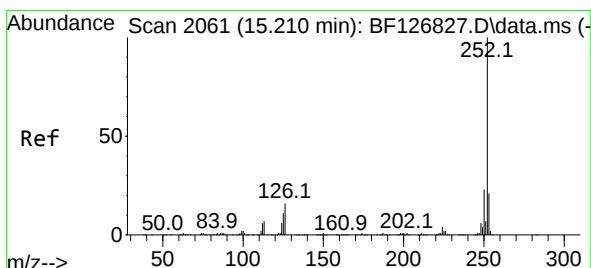
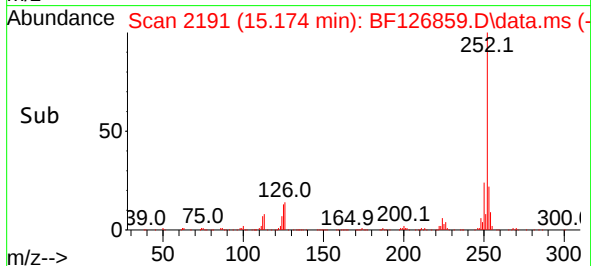
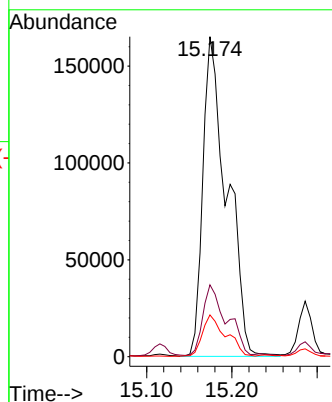
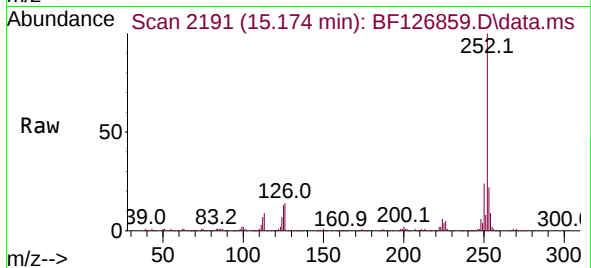
Tgt Ion:252 Resp: 325179

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 13.0 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 23.317 ng

RT: 15.174 min Scan# 2191

Delta R.T. -0.035 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

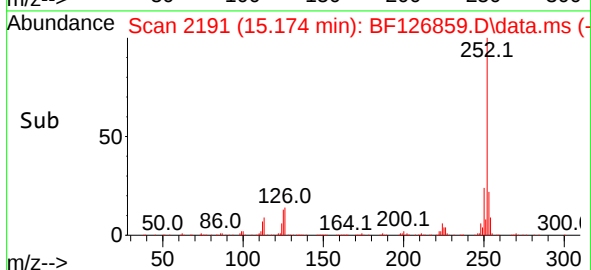
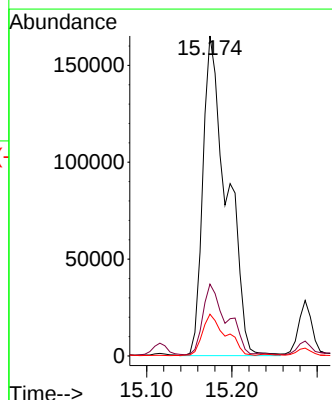
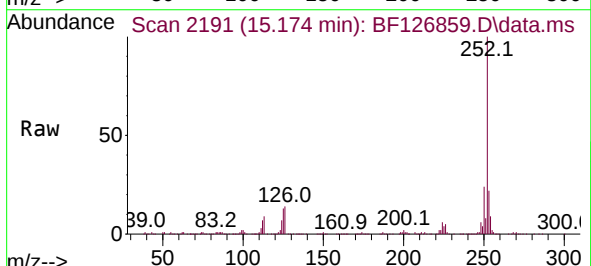
Tgt Ion:252 Resp: 325179

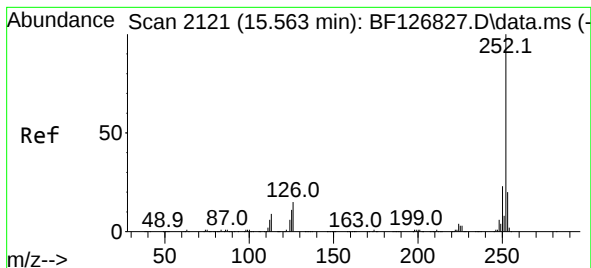
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 13.0 8.8 13.2





#90

Benzo(a)pyrene

Concen: 14.630 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

Instrument :

BNA_F

ClientSampleId :

COMP-2

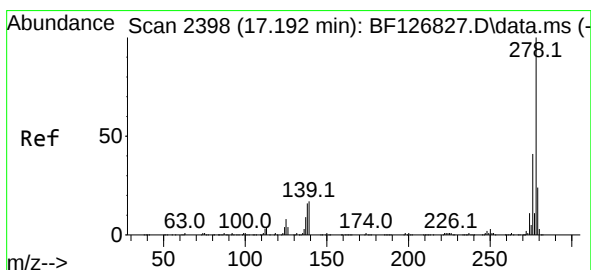
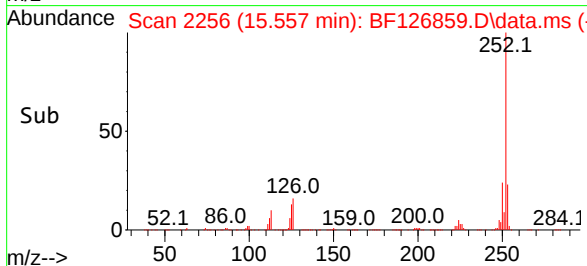
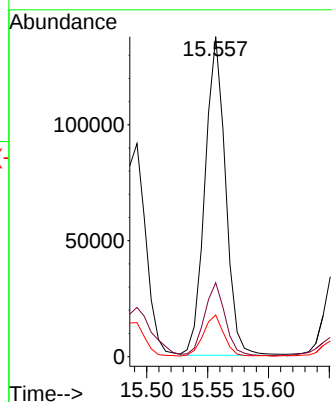
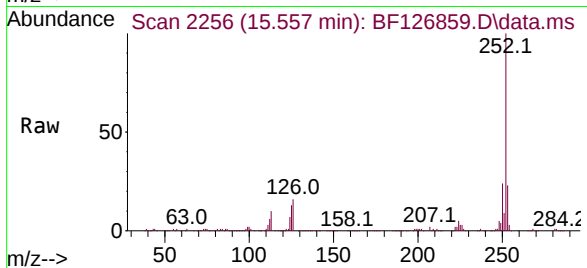
Tgt Ion:252 Resp: 161257

Ion Ratio Lower Upper

252 100

253 23.1 16.4 24.6

125 13.0 9.1 13.7



#91

Dibenzo(a,h)anthracene

Concen: 2.486 ng

RT: 17.162 min Scan# 2529

Delta R.T. -0.029 min

Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

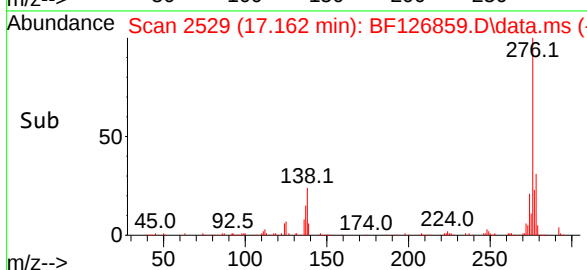
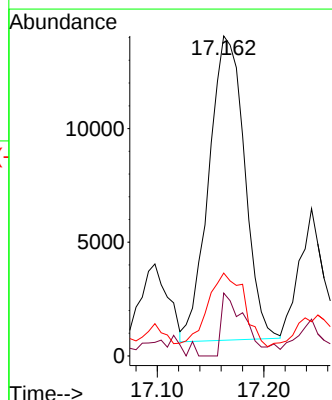
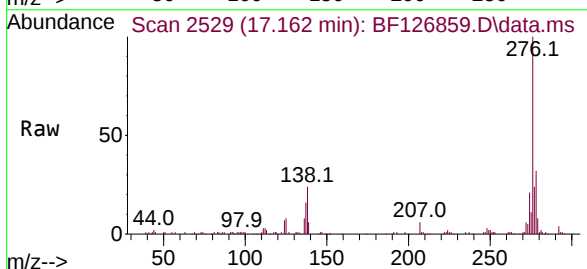
Tgt Ion:278 Resp: 31131

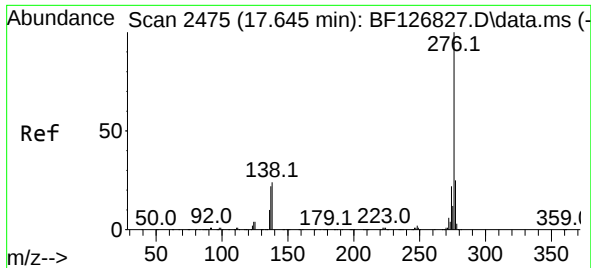
Ion Ratio Lower Upper

278 100

139 19.6 13.8 20.6

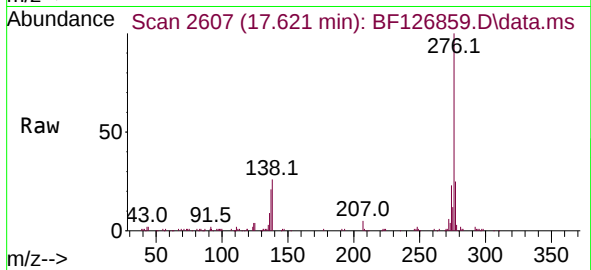
279 25.9 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.740 ng
 RT: 17.621 min Scan# 207
 Delta R.T. -0.024 min
 Lab File: BF126859.D
 Acq: 11 Feb 2022 16:04

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2



Tgt Ion:	276	Resp:	96412
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.8	29.8
138	26.2	19.6	29.4

