

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127109.D
 Acq On : 28 Feb 2022 19:38
 Operator : CG\JU
 Sample : N1681-04 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-1-8FT

Quant Time: Mar 01 01:40:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

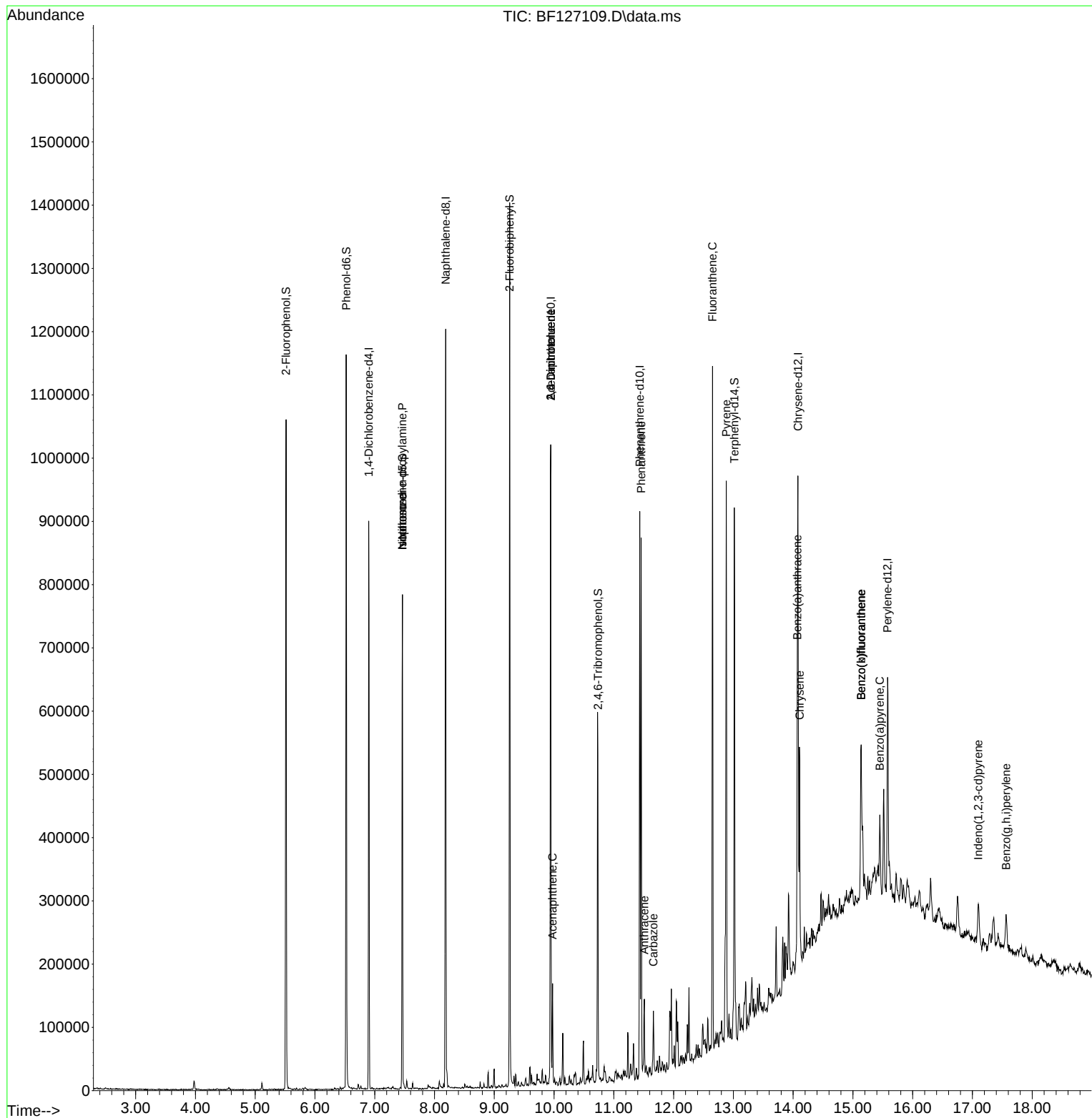
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	118898	20.000	ng	-0.01
21) Naphthalene-d8	8.187	136	453760	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	203688	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	277322	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	193062	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	136025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	241606	31.407	ng	-0.01
7) Phenol-d6	6.522	99	323572	31.172	ng	-0.02
23) Nitrobenzene-d5	7.463	82	224489	22.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	63451	27.056	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	348139	25.162	ng	-0.01
79) Terphenyl-d14	13.016	244	259770	19.780	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	30417	4.547	ng	# 78
25) Isophorone	7.463	82	224486	13.495	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	27080	9.142	ng	# 22
52) Acenaphthene	9.975	154	27609	2.184	ng	92
57) 2,4-Dinitrotoluene	9.945	165	27080	6.761	ng	# 15
71) Phenanthrene	11.457	178	257208	16.570	ng	100
72) Anthracene	11.510	178	42147	2.727	ng	97
73) Carbazole	11.663	167	29645	2.092	ng	97
75) Fluoranthene	12.651	202	369926	25.099	ng	95
78) Pyrene	12.880	202	326574	19.470	ng	99
81) Benzo(a)anthracene	14.069	228	146016	11.219	ng	98
83) Chrysene	14.110	228	132806	10.851	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	41794	4.686	ng	# 81
88) Benzo(b)fluoranthene	15.139	252	164284	17.982	ng	# 94
89) Benzo(k)fluoranthene	15.139	252	164284	18.644	ng	# 94
90) Benzo(a)pyrene	15.451	252	53309	7.470	ng	98
92) Benzo(g,h,i)perylene	17.562	276	43176	5.937	ng	# 89

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

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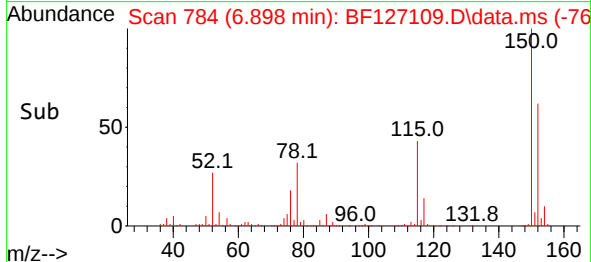
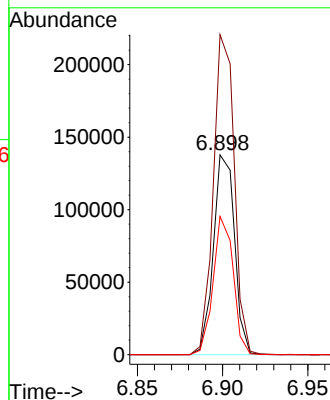
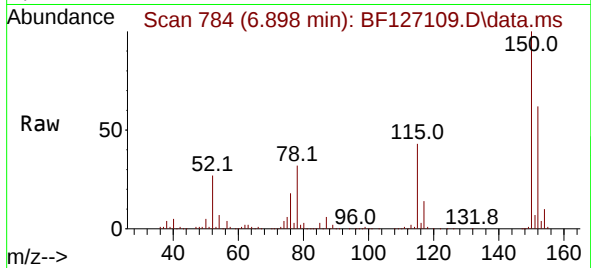




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

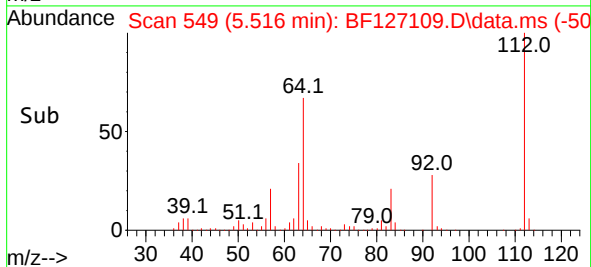
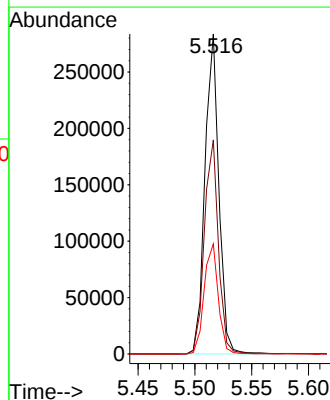
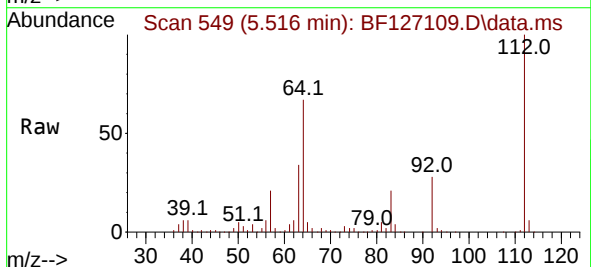
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT

Tgt Ion:152 Resp: 118898
Ion Ratio Lower Upper
152 100
150 160.1 128.1 192.1
115 69.2 56.7 85.1



#5
2-Fluorophenol
Concen: 31.407 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion:112 Resp: 241606
Ion Ratio Lower Upper
112 100
64 66.9 49.5 74.3
63 34.4 23.9 35.9

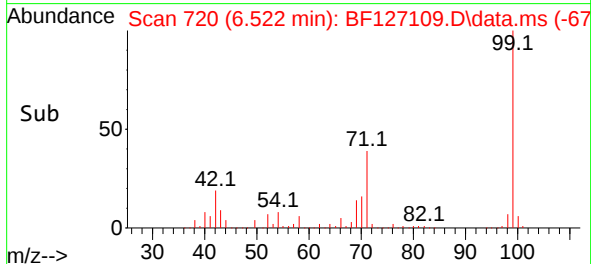
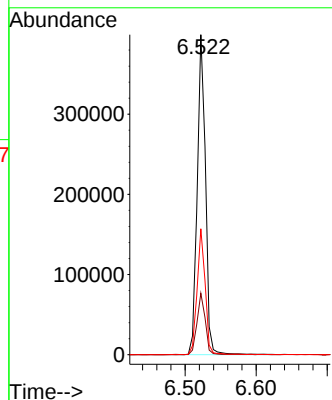
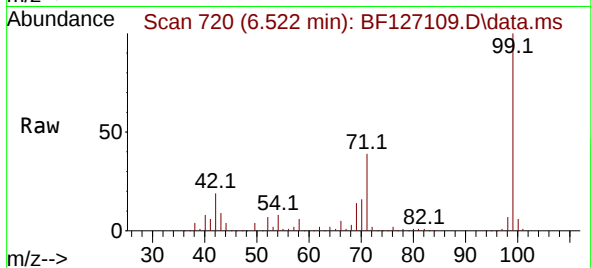




#7
Phenol-d6
Concen: 31.172 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

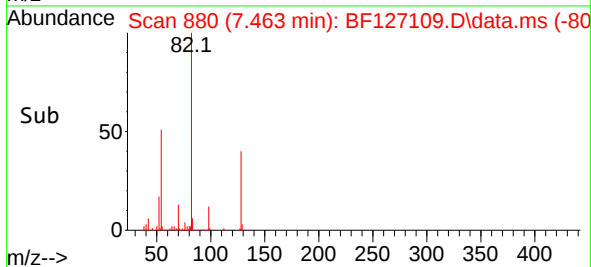
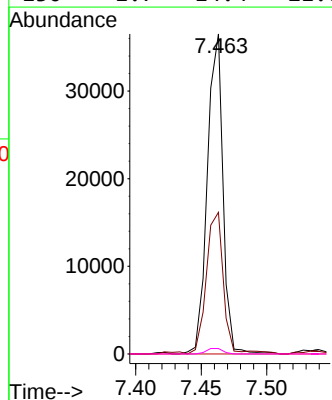
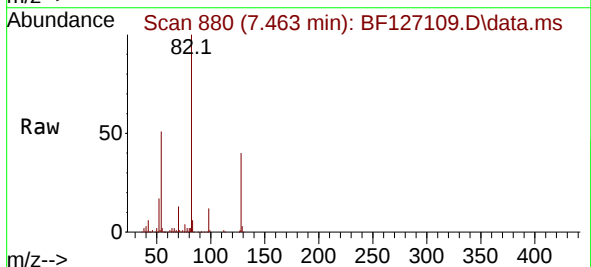
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT

Tgt Ion: 99 Resp: 323572
Ion Ratio Lower Upper
99 100
42 19.2 14.2 21.4
71 39.4 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 4.547 ng
RT: 7.463 min Scan# 880
Delta R.T. 0.141 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion: 70 Resp: 30417
Ion Ratio Lower Upper
70 100
42 44.2 45.8 68.8#
101 0.0 6.9 10.3#
130 1.7 14.4 21.6#

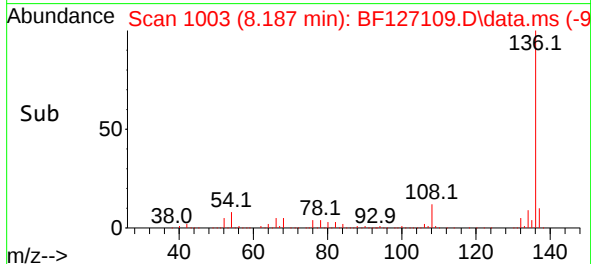
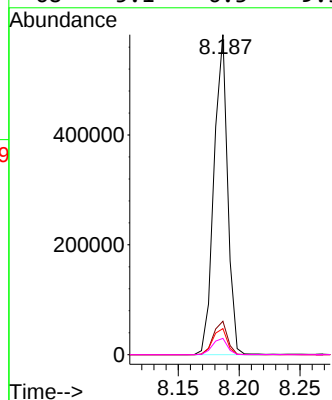
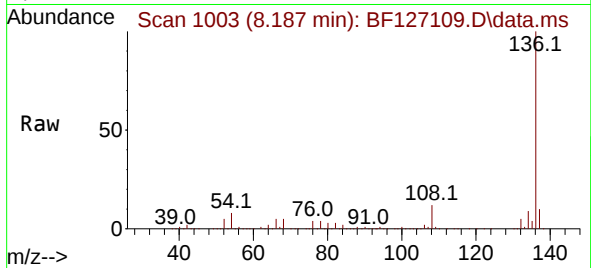




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

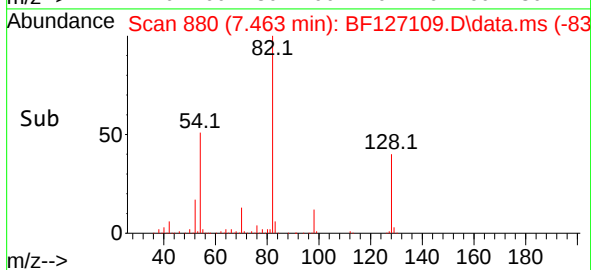
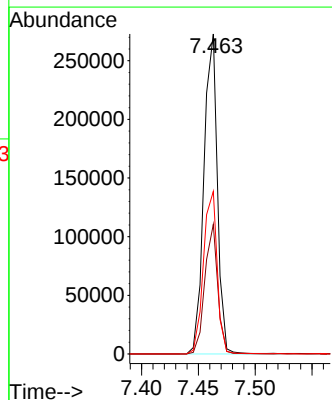
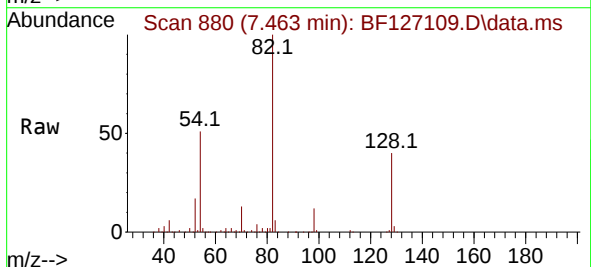
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT

Tgt Ion:136 Resp: 453760
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 8.2 7.8 11.6
68 5.1 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 22.331 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion: 82 Resp: 224489
Ion Ratio Lower Upper
82 100
128 40.5 32.7 49.1
54 50.8 41.7 62.5

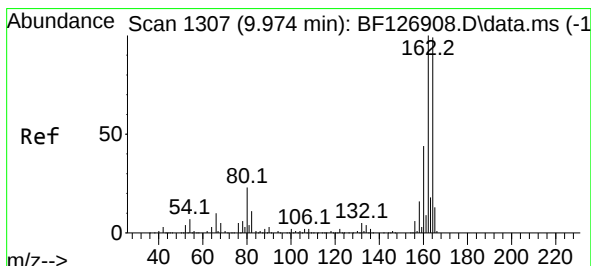
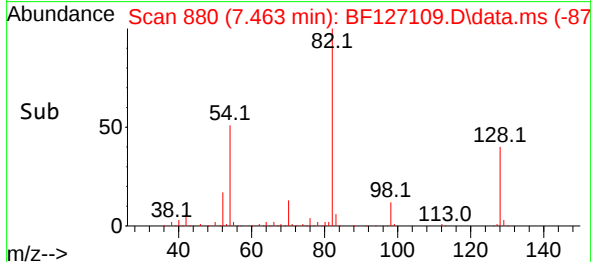
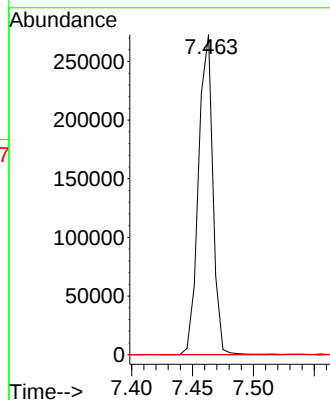
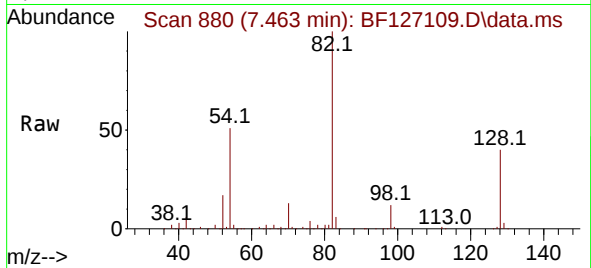




#25
Isophorone
Concen: 13.495 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

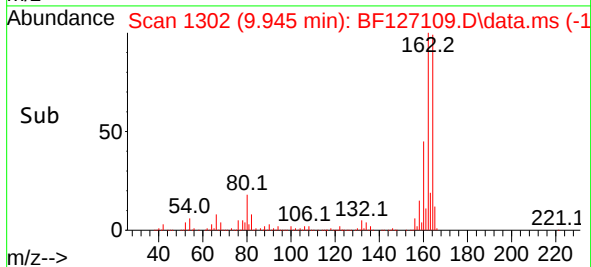
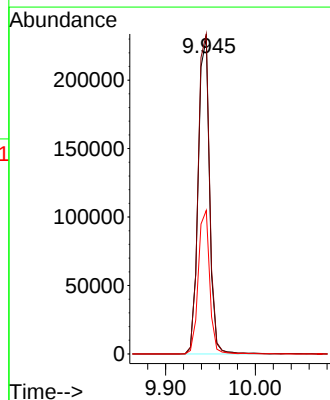
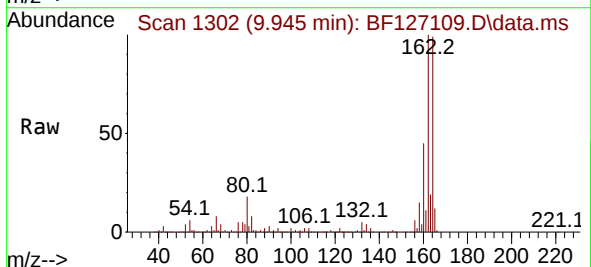
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT

Tgt Ion: 82 Resp: 224486
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: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion:164 Resp: 203688
Ion Ratio Lower Upper
164 100
162 101.4 81.4 122.0
160 45.5 36.6 54.8

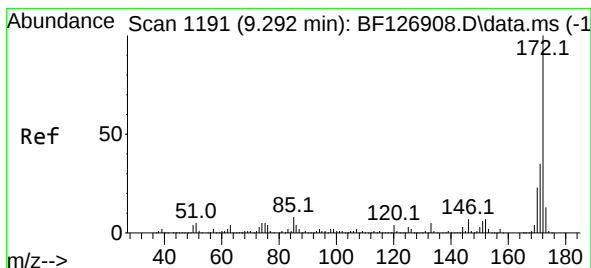
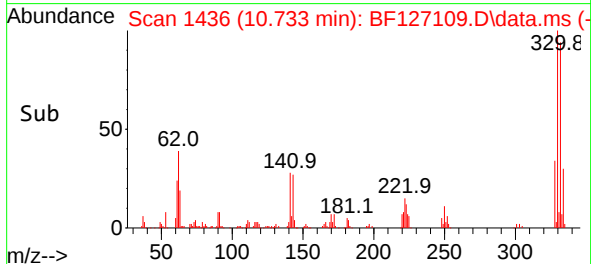
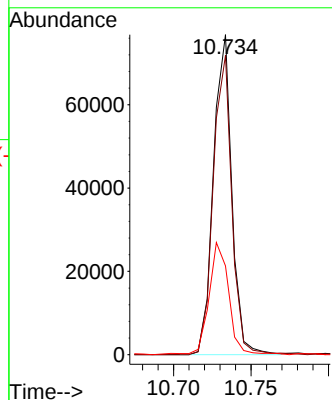
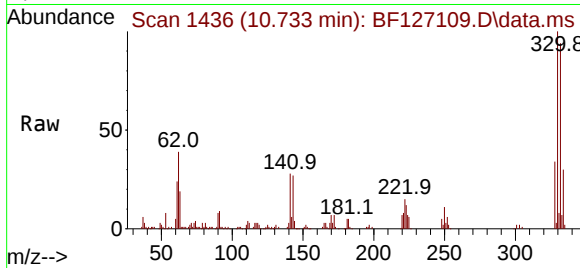




#42
2,4,6-Tribromophenol
Concen: 27.056 ng
RT: 10.733 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

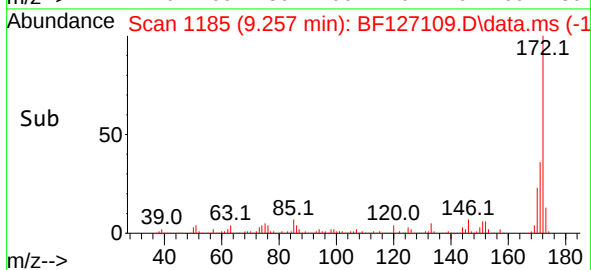
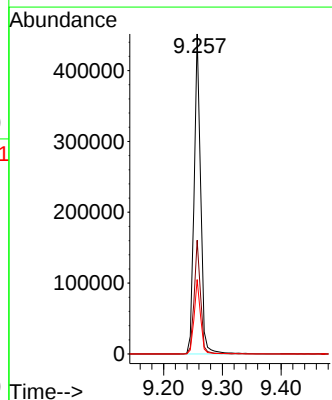
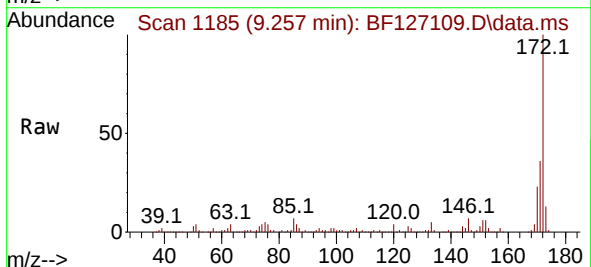
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT

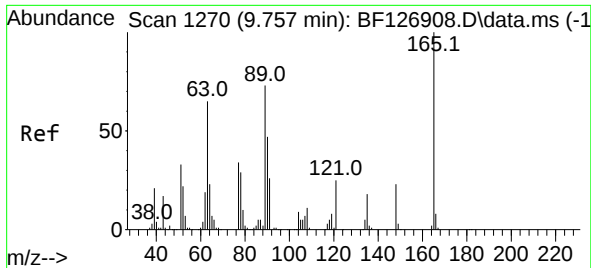
Tgt Ion: 330 Resp: 63451
Ion Ratio Lower Upper
330 100
332 94.4 76.0 114.0
141 37.7 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 25.162 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion: 172 Resp: 348139
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.3 19.0 28.6

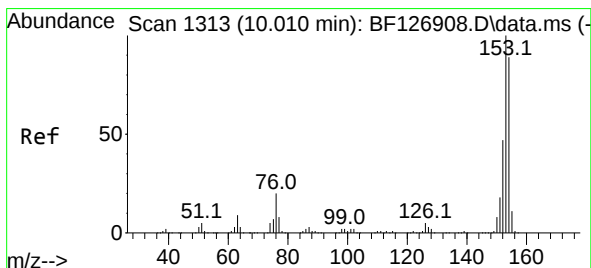
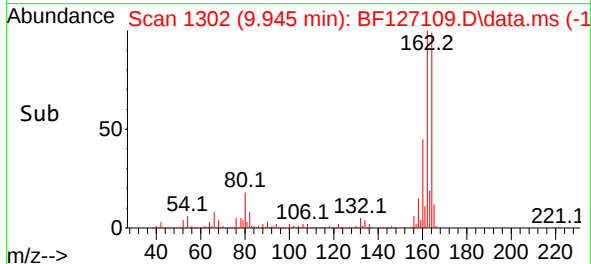
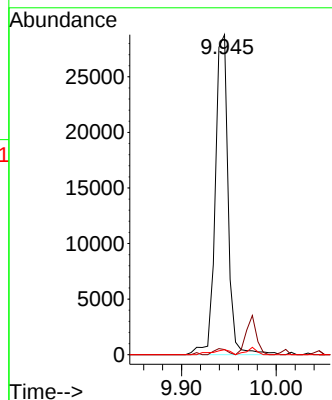
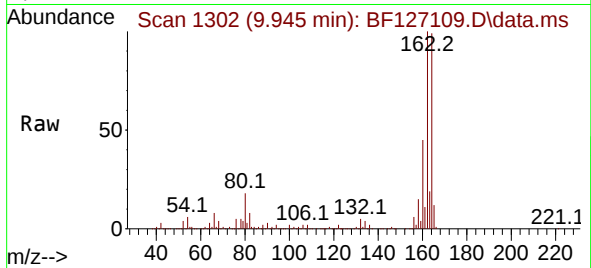




#51
2,6-Dinitrotoluene
Concen: 9.142 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

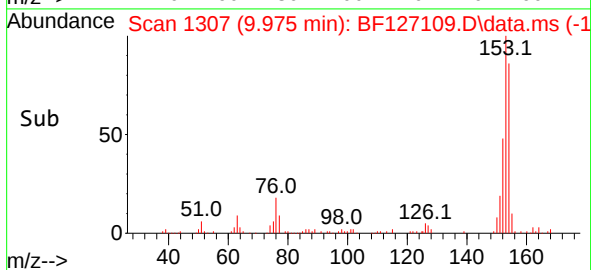
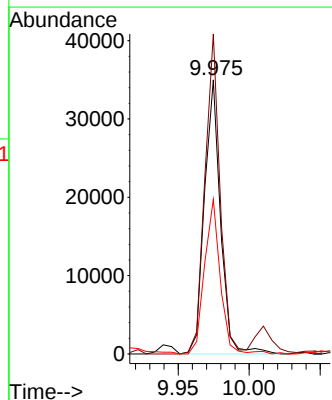
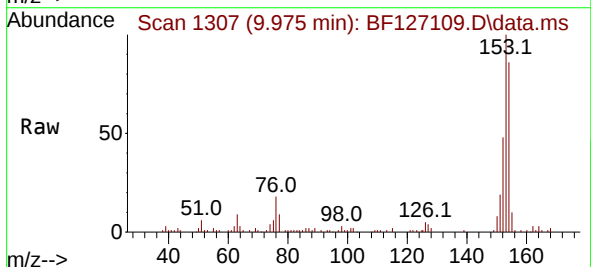
Instrument :
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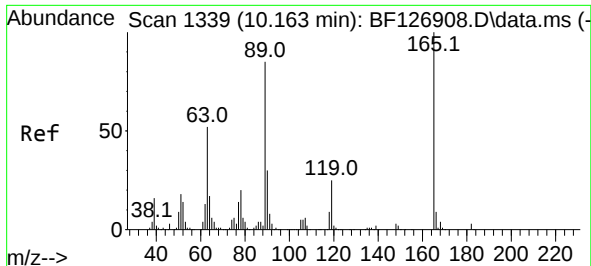
Tgt Ion:165 Resp: 27080
Ion Ratio Lower Upper
165 100
63 1.6 48.4 72.6#
89 1.5 50.5 75.7#



#52
Acenaphthene
Concen: 2.184 ng
RT: 9.975 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion:154 Resp: 27609
Ion Ratio Lower Upper
154 100
153 116.8 87.8 131.6
152 56.4 39.4 59.2

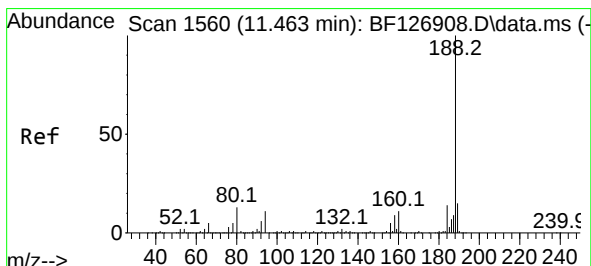
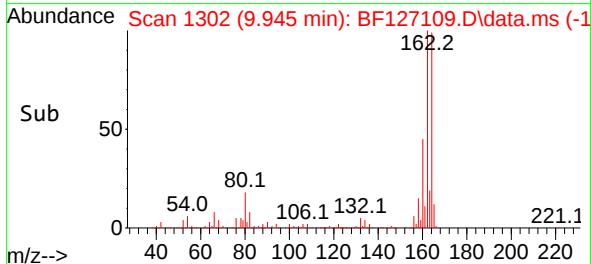
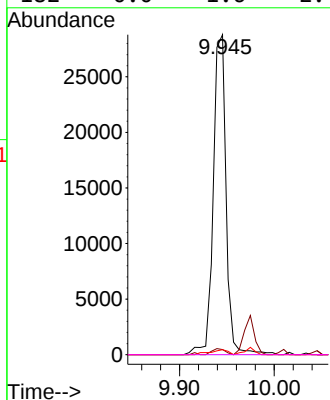
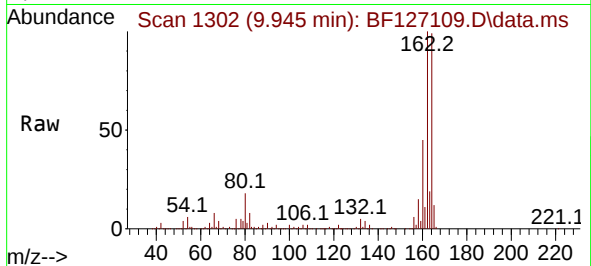




#57
2,4-Dinitrotoluene
Concen: 6.761 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

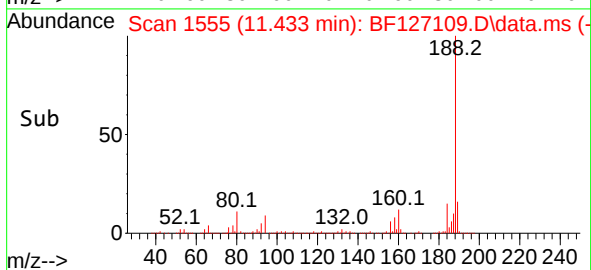
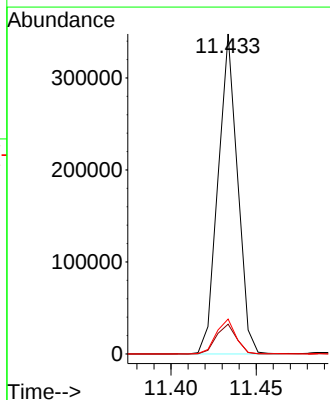
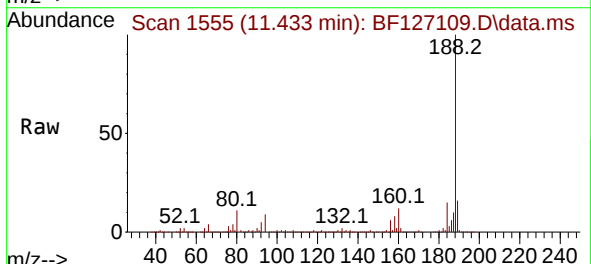
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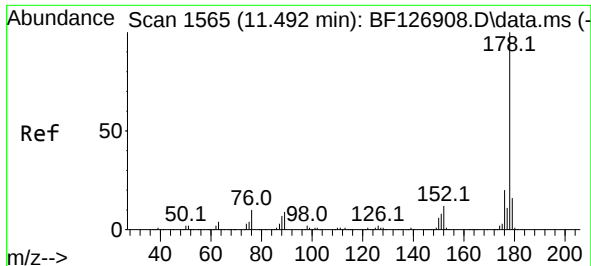
Tgt Ion:165 Resp: 27080
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 1.5 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion:188 Resp: 277322
Ion Ratio Lower Upper
188 100
94 9.3 10.1 15.1#
80 10.9 11.8 17.6#

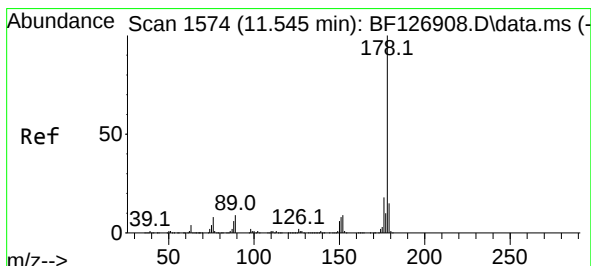
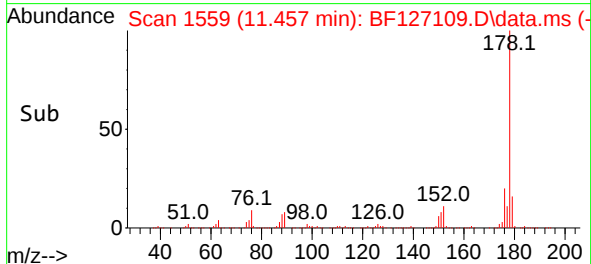
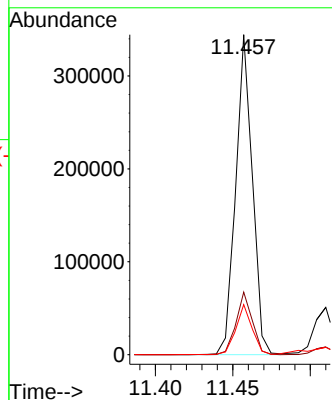
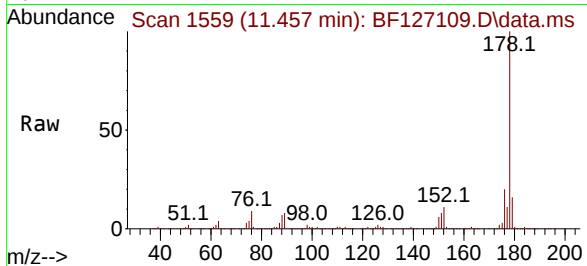




#71
Phenanthrene
Concen: 16.570 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

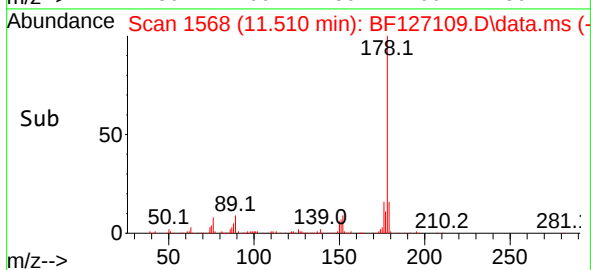
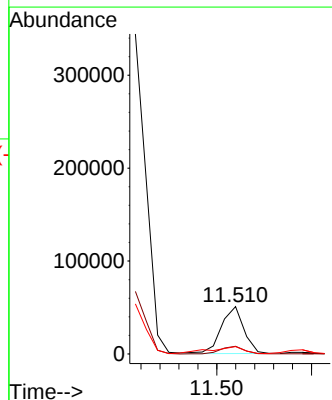
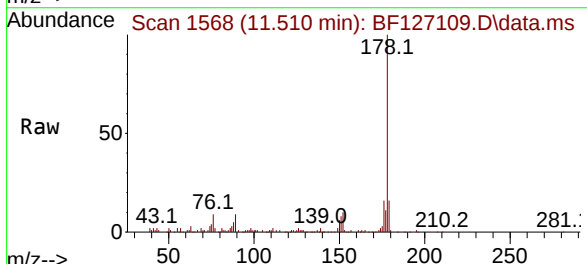
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT

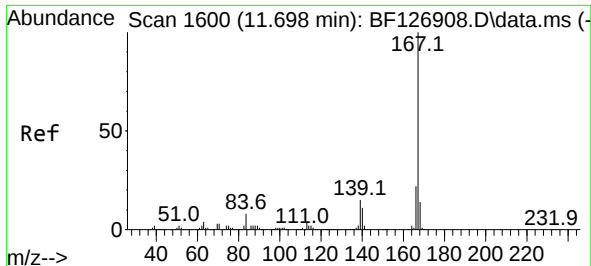
Tgt Ion:178 Resp: 257208
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.7 12.3 18.5



#72
Anthracene
Concen: 2.727 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion:178 Resp: 42147
Ion Ratio Lower Upper
178 100
176 16.2 15.0 22.6
179 15.5 12.5 18.7

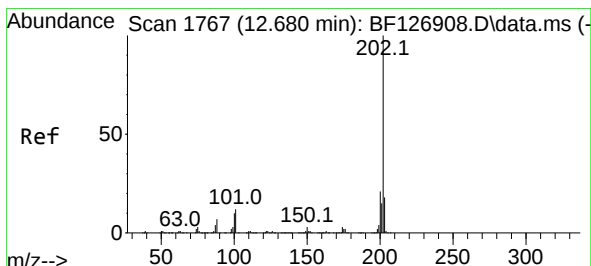
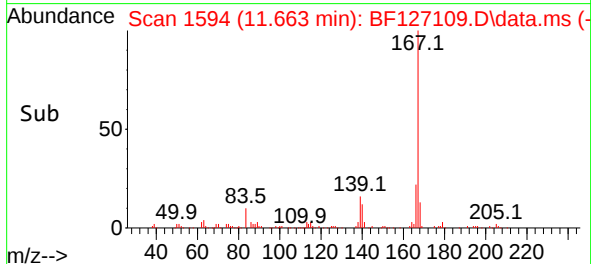
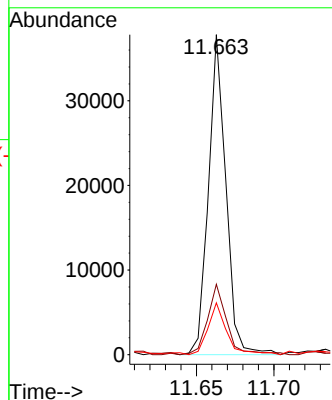
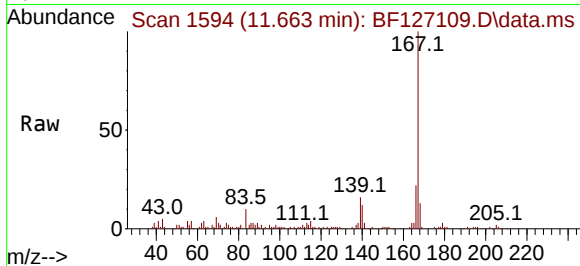




#73
 Carbazole
 Concen: 2.092 ng
 RT: 11.663 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF127109.D
 Acq: 28 Feb 2022 19:38

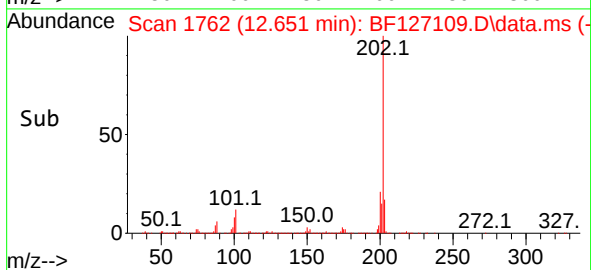
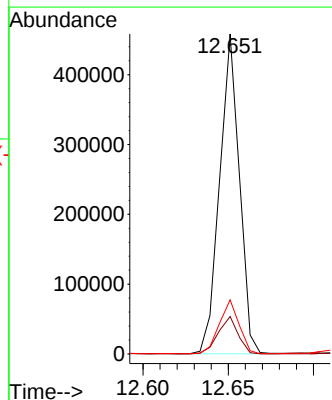
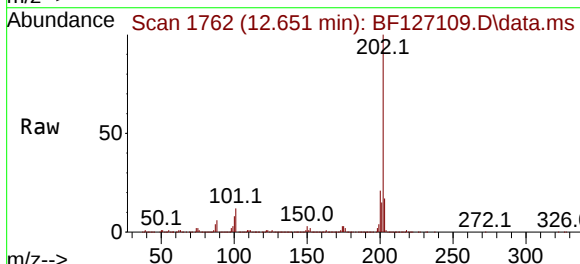
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-1-8FT

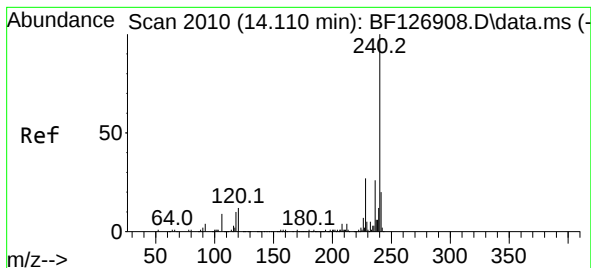
Tgt Ion:167	Resp:	29645
Ion Ratio	Lower	Upper
167	100	
166	22.0	16.9 25.3
139	16.2	11.3 16.9



#75
 Fluoranthene
 Concen: 25.099 ng
 RT: 12.651 min Scan# 1762
 Delta R.T. -0.006 min
 Lab File: BF127109.D
 Acq: 28 Feb 2022 19:38

Tgt Ion:202	Resp:	369926
Ion Ratio	Lower	Upper
202	100	
101	11.7	0.0 35.7
203	16.9	0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

Instrument :

BNA_F

ClientSampleId :

TP-2-1-8FT

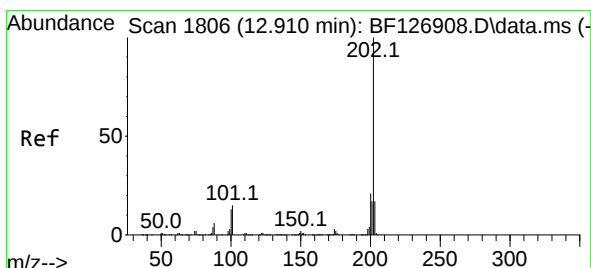
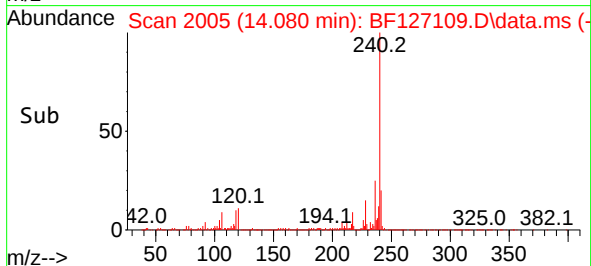
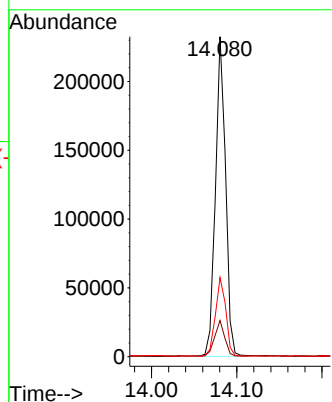
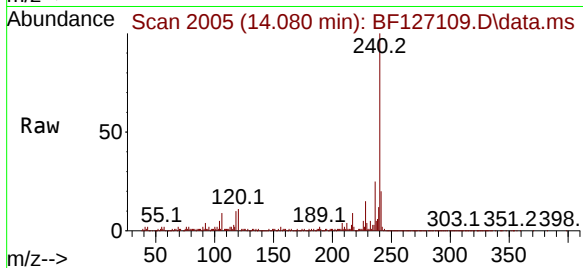
Tgt Ion:240 Resp: 193062

Ion Ratio Lower Upper

240 100

120 11.3 14.4 21.6#

236 24.7 20.5 30.7



#78

Pyrene

Concen: 19.470 ng

RT: 12.880 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

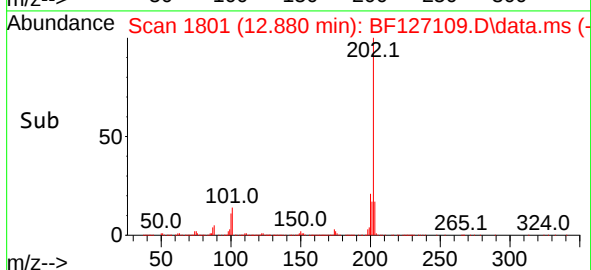
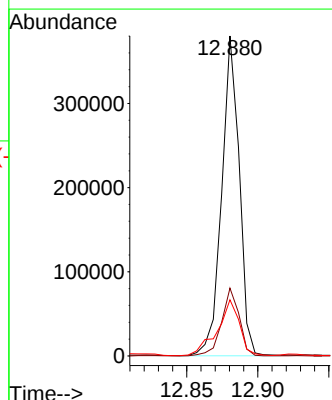
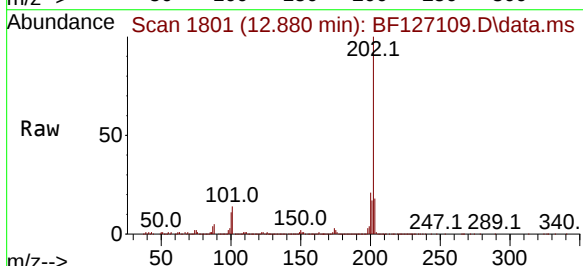
Tgt Ion:202 Resp: 326574

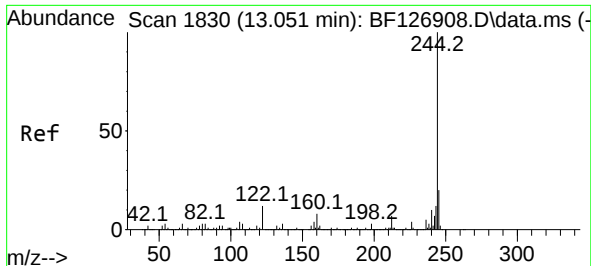
Ion Ratio Lower Upper

202 100

200 21.2 16.6 24.8

203 17.5 13.8 20.8

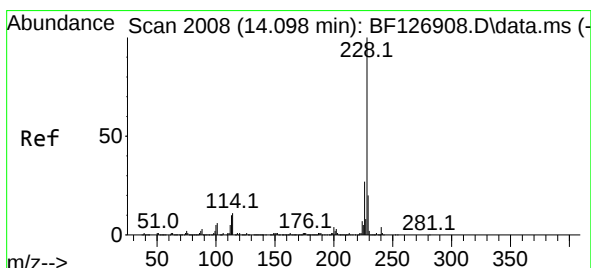
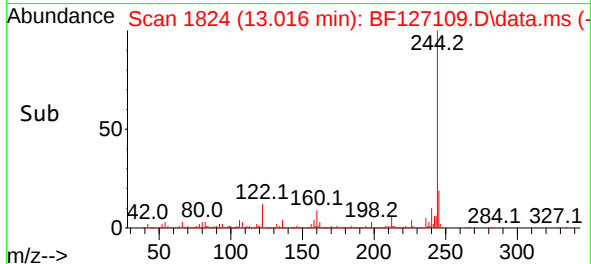
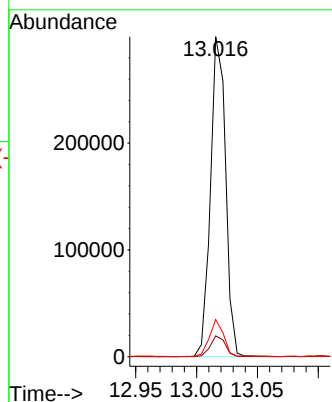
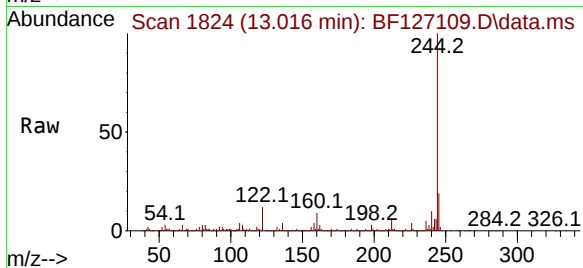




#79
 Terphenyl-d14
 Concen: 19.780 ng
 RT: 13.016 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF127109.D
 Acq: 28 Feb 2022 19:38

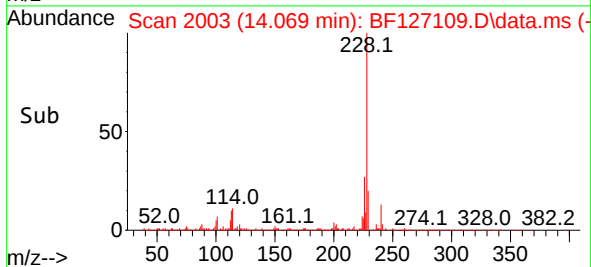
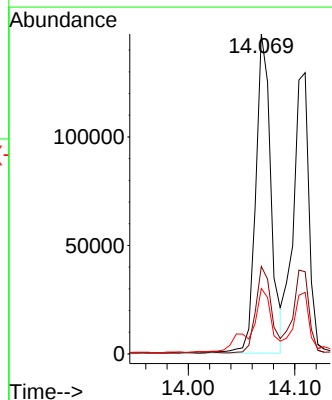
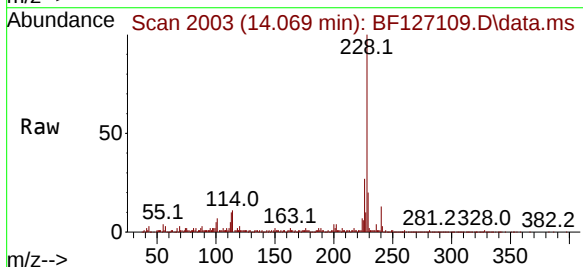
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-1-8FT

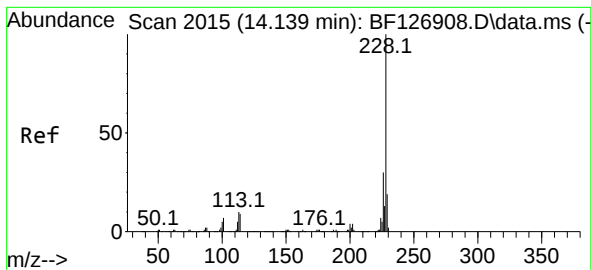
Tgt Ion:244 Resp: 259770
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 11.6 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 11.219 ng
 RT: 14.069 min Scan# 2003
 Delta R.T. -0.012 min
 Lab File: BF127109.D
 Acq: 28 Feb 2022 19:38

Tgt Ion:228 Resp: 146016
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.4 32.0
 229 20.5 15.4 23.2





#83

Chrysene

Concen: 10.851 ng

RT: 14.110 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

Instrument :

BNA_F

ClientSampleId :

TP-2-1-8FT

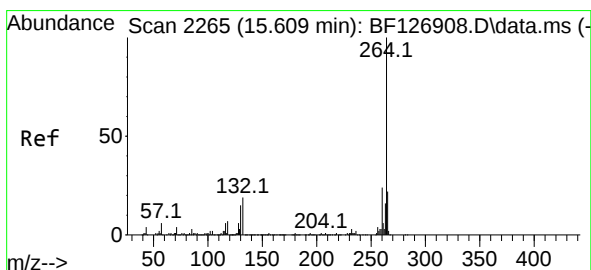
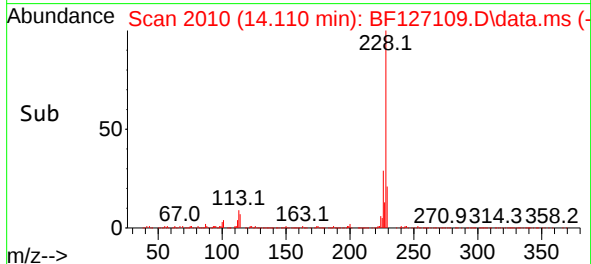
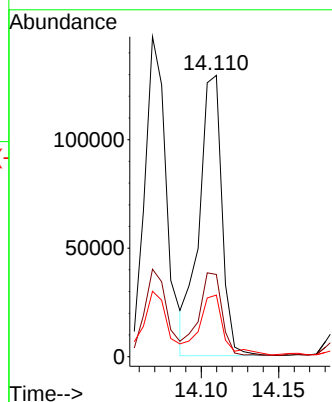
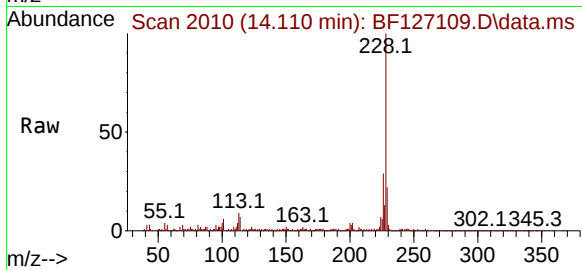
Tgt Ion:228 Resp: 132806

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

229 21.9 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2260

Delta R.T. -0.006 min

Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

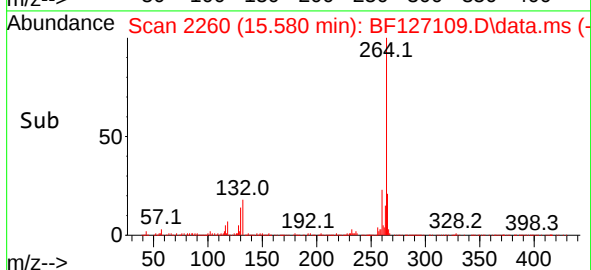
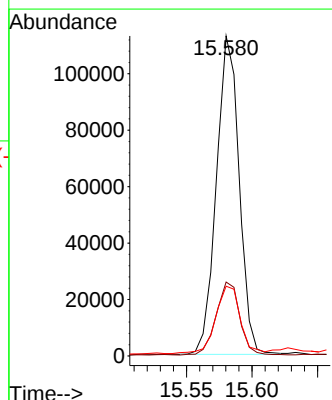
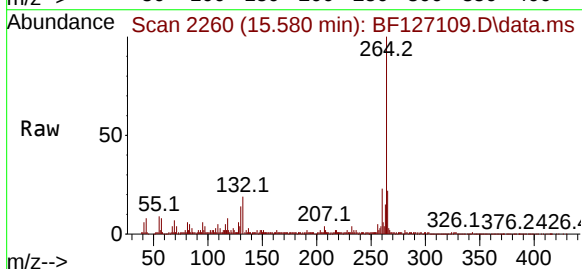
Tgt Ion:264 Resp: 136025

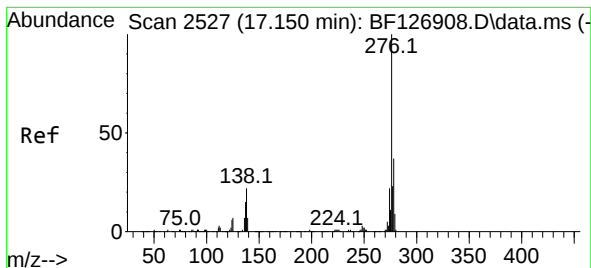
Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.686 ng

RT: 17.098 min Scan# 2185

Delta R.T. -0.017 min

Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

Instrument :

BNA_F

ClientSampleId :

TP-2-1-8FT

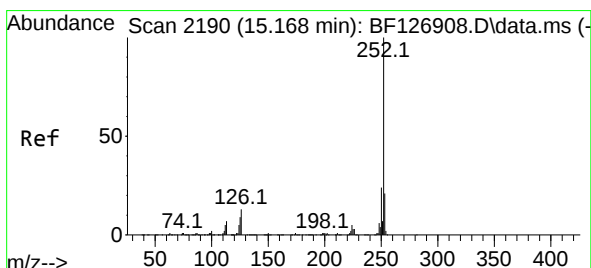
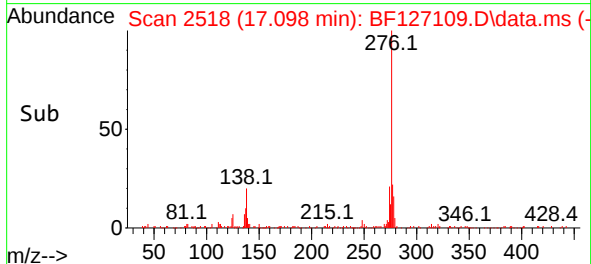
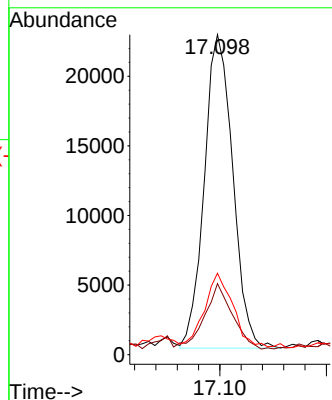
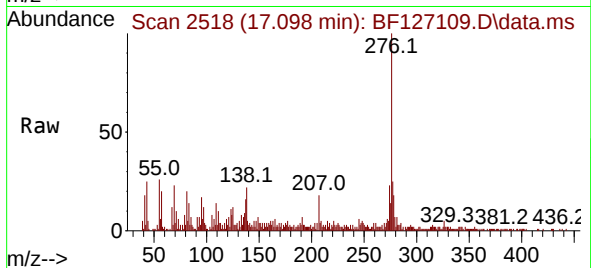
Tgt Ion:276 Resp: 41794

Ion Ratio Lower Upper

276 100

138 19.7 29.2 43.8#

277 22.6 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 17.982 ng

RT: 15.139 min Scan# 2185

Delta R.T. -0.006 min

Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

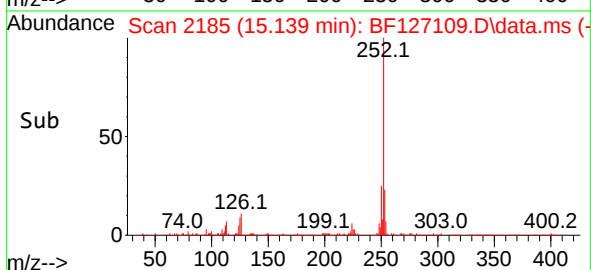
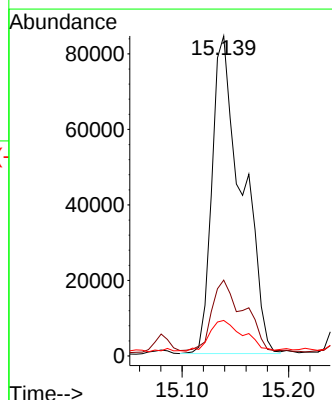
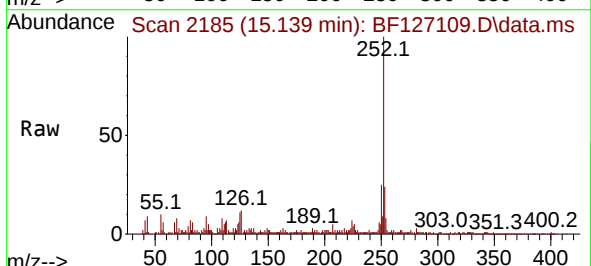
Tgt Ion:252 Resp: 164284

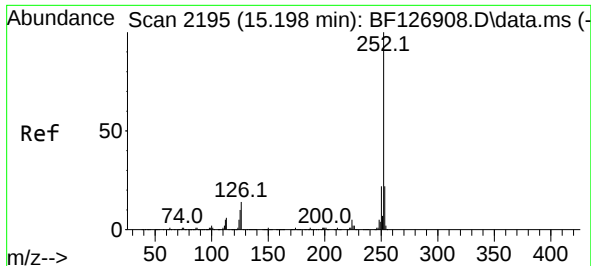
Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

125 11.1 12.4 18.6#

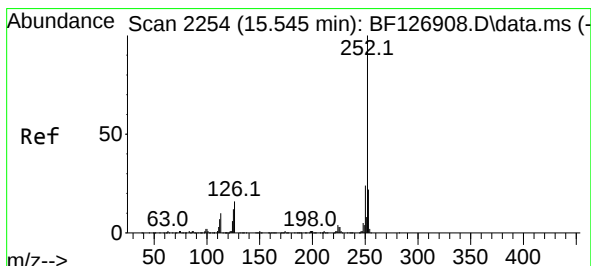
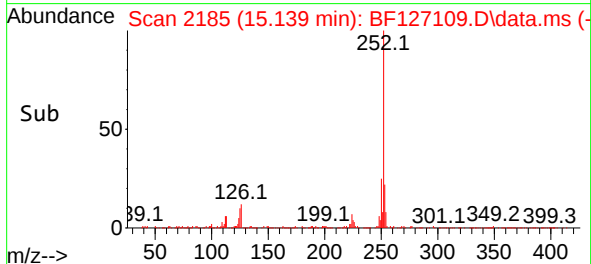
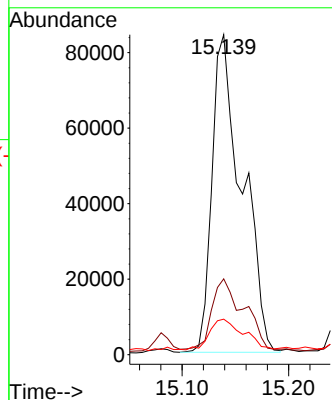
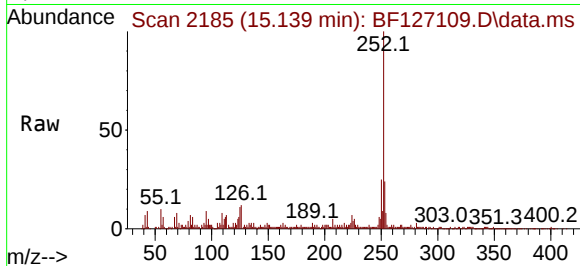




#89
Benzo(k)fluoranthene
Concen: 18.644 ng
RT: 15.139 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

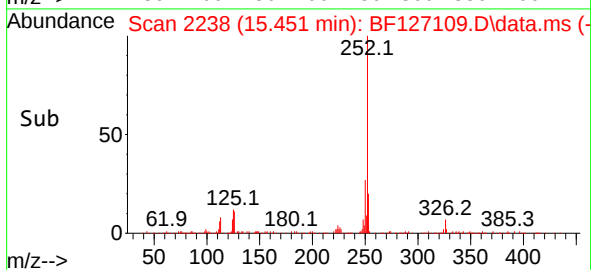
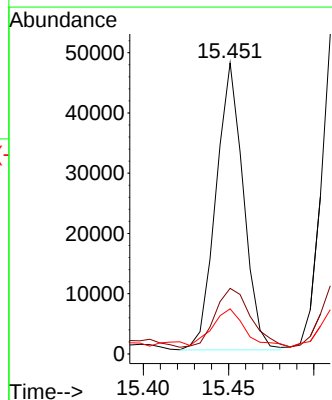
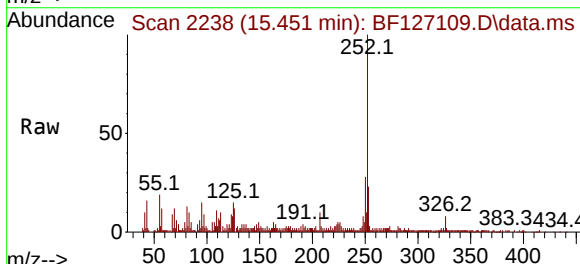
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT

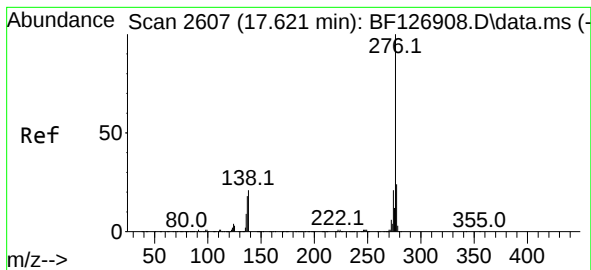
Tgt Ion:252 Resp: 164284
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.1 11.8 17.6#



#90
Benzo(a)pyrene
Concen: 7.470 ng
RT: 15.451 min Scan# 2238
Delta R.T. -0.070 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion:252 Resp: 53309
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 15.5 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 5.937 ng

RT: 17.562 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF127109.D

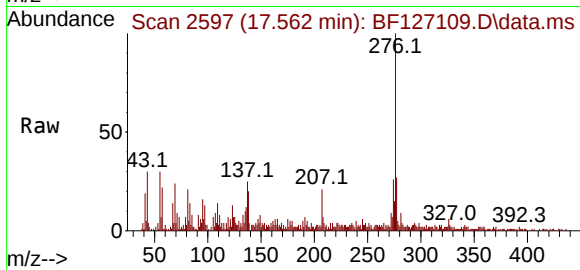
Acq: 28 Feb 2022 19:38

Instrument :

BNA_F

ClientSampleId :

TP-2-1-8FT



Tgt Ion:276 Resp: 43176

Ion Ratio Lower Upper

276 100

277 26.7 18.5 27.7

138 24.3 25.9 38.9#

