

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122122\
 Data File : BF131767.D
 Acq On : 22 Dec 2022 02:40
 Operator : CG\JU
 Sample : N6161-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 05:54:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 03:12:37 2022
 Response via : Initial Calibration

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

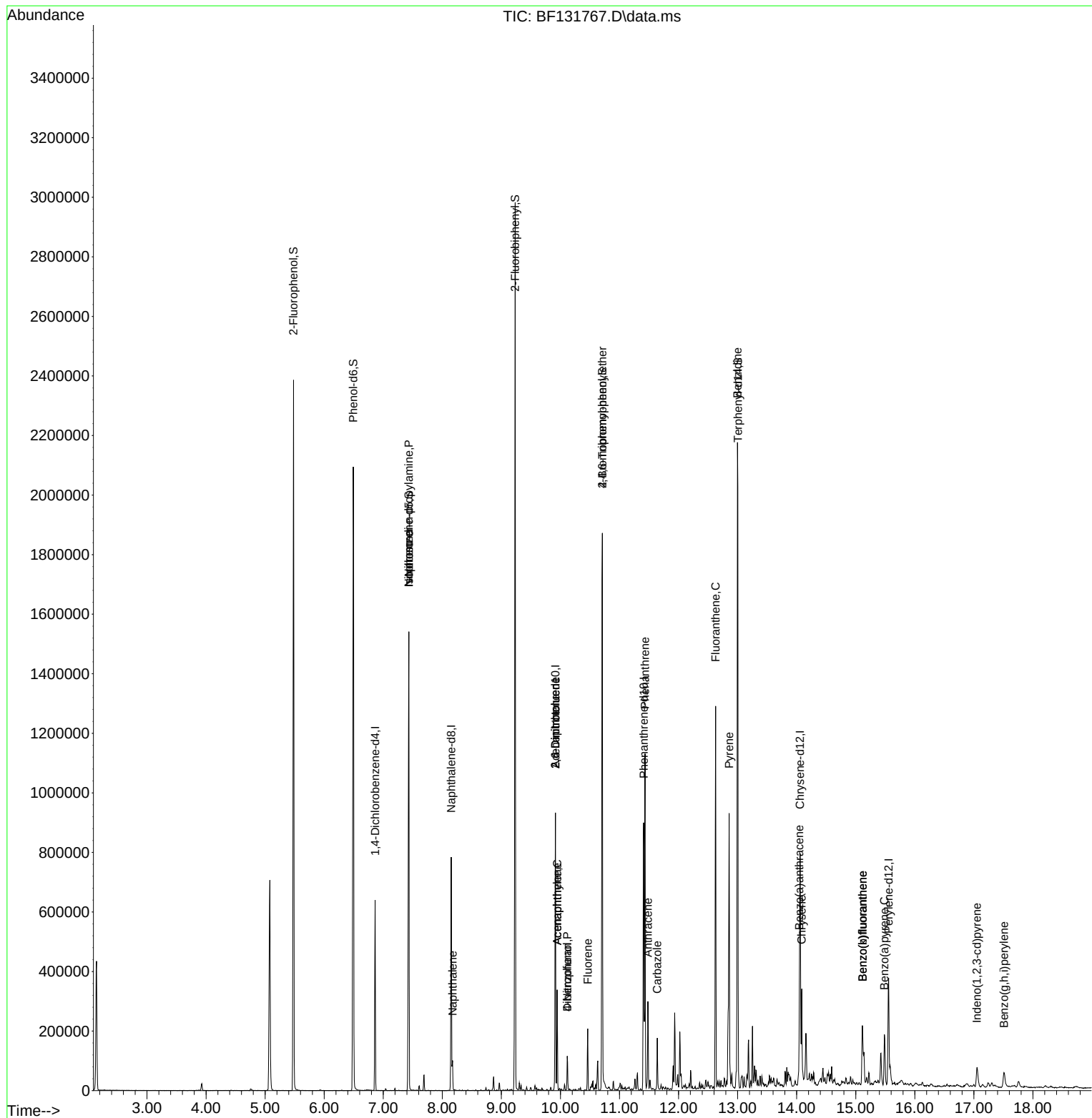
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	81567	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	291604	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	168488	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	326803	20.000	ng	0.00
76) Chrysene-d12	14.057	240	192283	20.000	ng	0.00
86) Perylene-d12	15.557	264	171467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	579051	119.541	ng	0.00
7) Phenol-d6	6.492	99	762899	117.012	ng	-0.01
23) Nitrobenzene-d5	7.434	82	528236	73.539	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	214599	116.366	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	812267	67.533	ng	0.00
79) Terphenyl-d14	13.004	244	795311	64.463	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	65	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	7.434	70	73020	15.529	ng	# 78
25) Isophorone	7.434	82	525549	43.083	ng	# 70
31) Naphthalene	8.175	128	38380	2.410	ng	98
49) Acenaphthylene	9.945	152	33141	2.129	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	22389	8.213	ng	# 19
52) Acenaphthene	9.945	154	60616	6.357	ng	99
55) Dibenzofuran	10.116	168	38604	2.640	ng	97
56) 4-Nitrophenol	10.116	139	15385	7.706	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	22389	6.112	ng	# 18
58) Fluorene	10.463	166	46684	3.949	ng	95
67) 4-Bromophenyl-phenylether	10.710	248	14542	3.768	ng	# 1
71) Phenanthrene	11.433	178	368631	20.686	ng	99
72) Anthracene	11.480	178	97043	5.562	ng	99
73) Carbazole	11.639	167	54169	3.588	ng	99
75) Fluoranthene	12.627	202	455490	22.951	ng	100
77) Benzidine	12.998	184	12100	3.432	ng	# 93
78) Pyrene	12.857	202	359070	20.539	ng	100
81) Benzo(a)anthracene	14.045	228	138442	9.997	ng	99
83) Chrysene	14.086	228	118112	9.036	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	44601	3.873	ng	98
88) Benzo(b)fluoranthene	15.115	252	160099	13.197	ng	98
89) Benzo(k)fluoranthene	15.115	252	160099	13.525	ng	# 99
90) Benzo(a)pyrene	15.486	252	83204	8.659	ng	99
92) Benzo(g,h,i)perylene	17.509	276	45925	4.882	ng	97

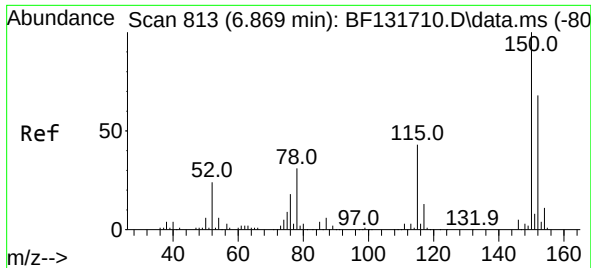
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122122\
Data File : BF131767.D
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Operator : CG\JU
Sample : N6161-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

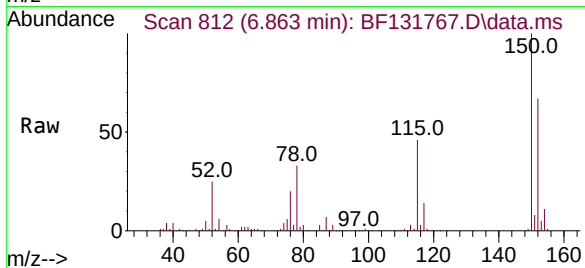
Quant Time: Dec 22 05:54:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 03:12:37 2022
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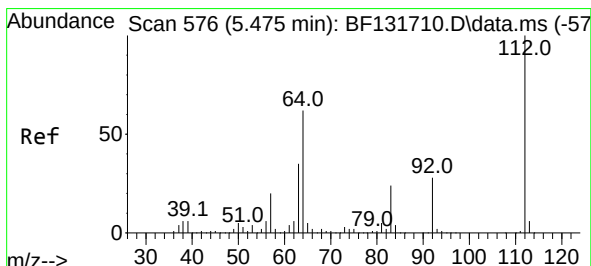
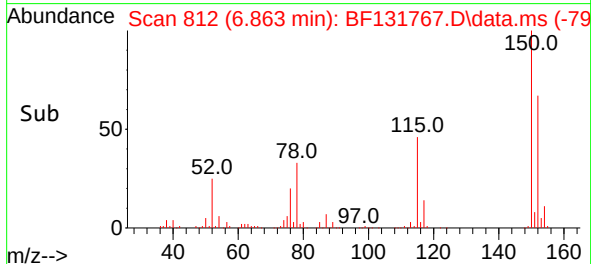
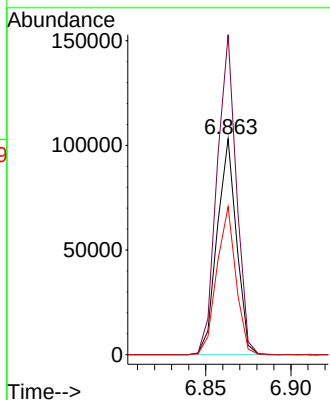


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Instrument :
BNA_F
ClientSampleId :

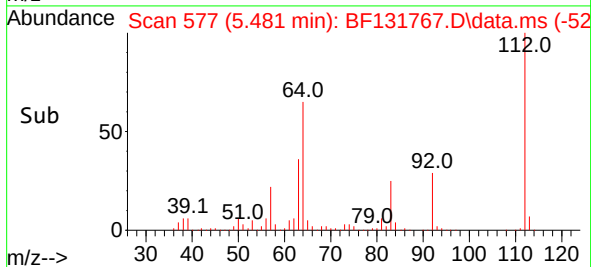
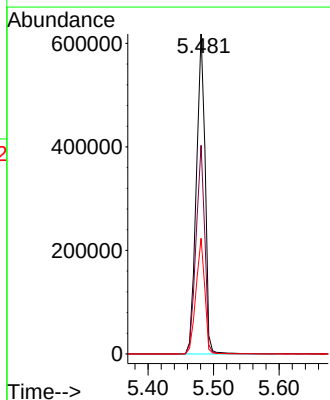
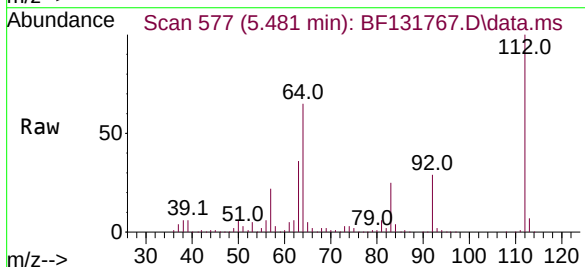


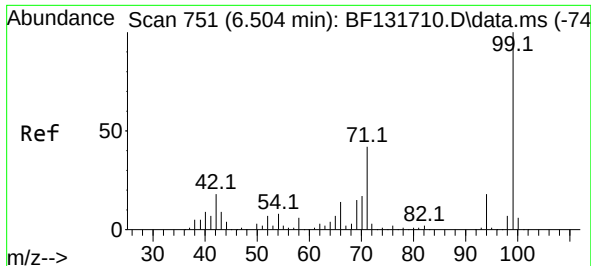
Tgt Ion:152 Resp: 81567
Ion Ratio Lower Upper
152 100
150 148.2 117.4 176.0
115 68.5 50.2 75.4



#5
2-Fluorophenol
Concen: 119.541 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Tgt Ion:112 Resp: 579051
Ion Ratio Lower Upper
112 100
64 65.2 49.5 74.3
63 36.2 28.2 42.2

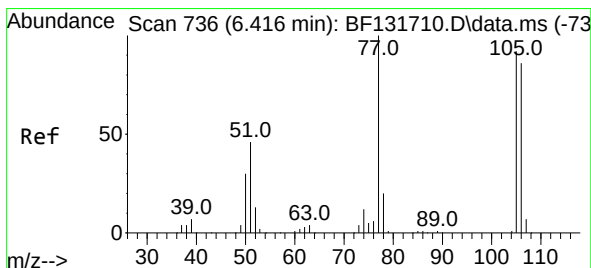
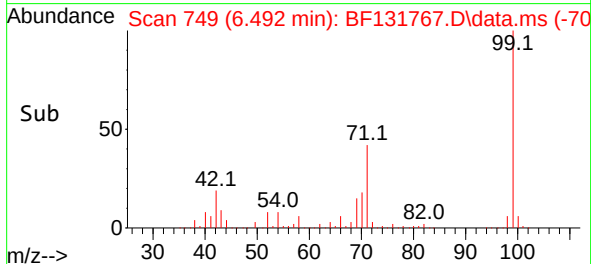
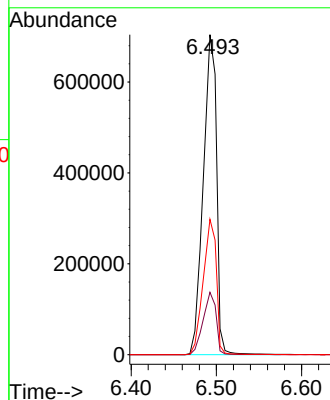
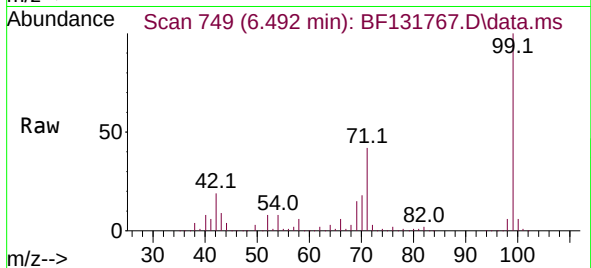




#7
Phenol-d6
Concen: 117.012 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

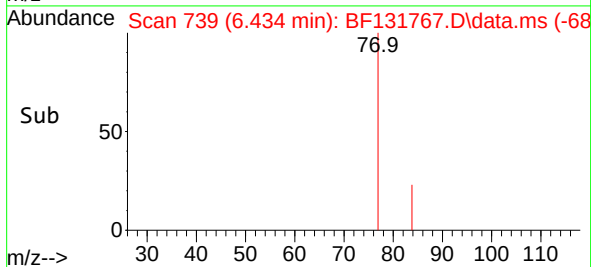
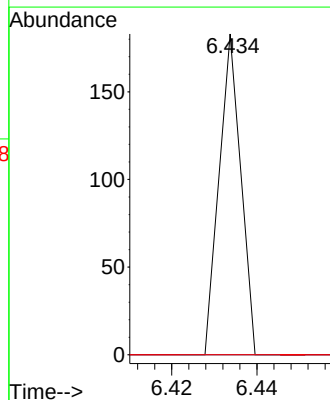
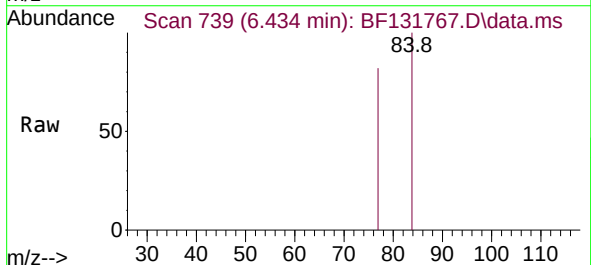
Instrument :
BNA_F
ClientSampleId :

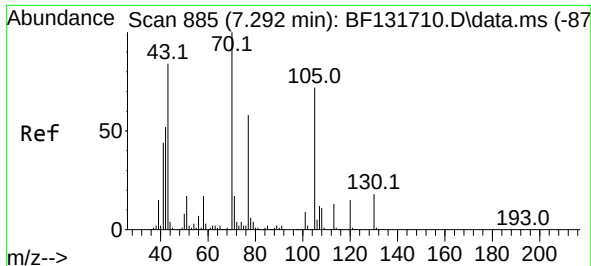
Tgt Ion: 99 Resp: 762899
Ion Ratio Lower Upper
99 100
42 19.5 14.8 22.2
71 42.3 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.434 min Scan# 739
Delta R.T. 0.018 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

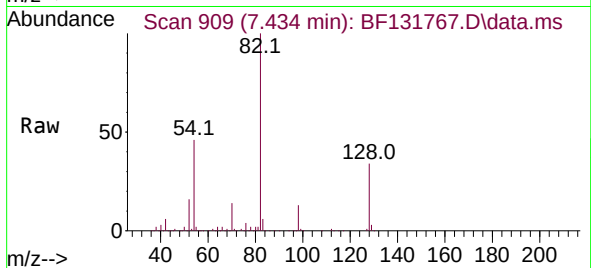
Tgt Ion: 77 Resp: 65
Ion Ratio Lower Upper
77 100
105 0.0 72.4 112.4#
106 0.0 66.5 106.5#



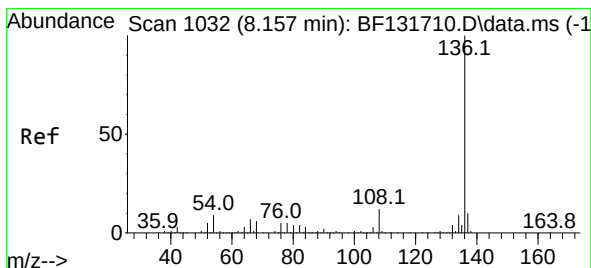
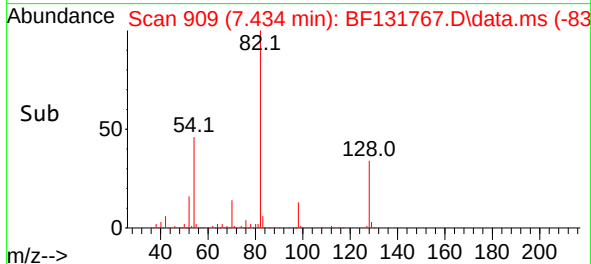
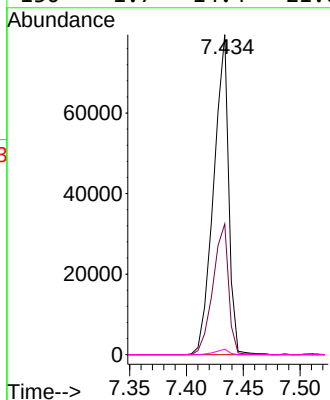


#19
n-Nitroso-di-n-propylamine
Concen: 15.529 ng
RT: 7.434 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Instrument :
BNA_F
ClientSampleId :

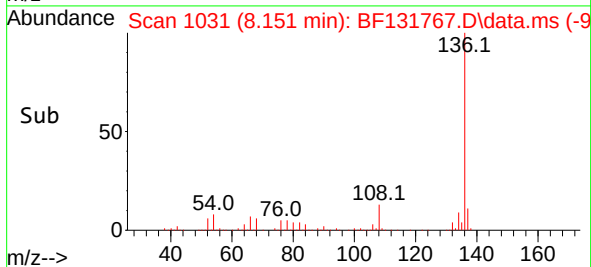
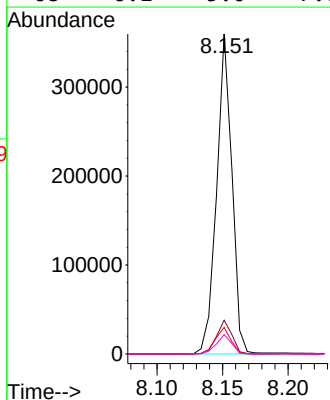
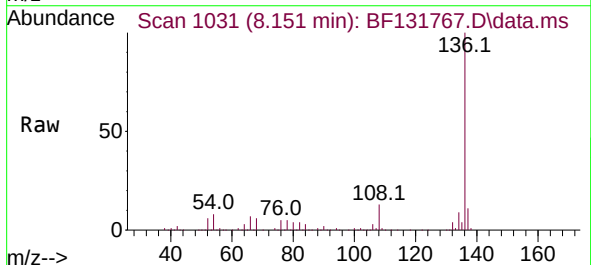


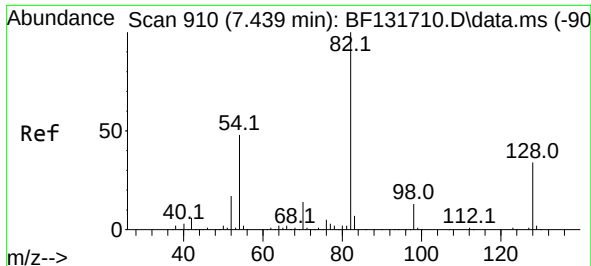
Tgt Ion: 70 Resp: 73020
Ion Ratio Lower Upper
70 100
42 40.8 41.5 62.3#
101 0.0 7.3 10.9#
130 1.7 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Tgt Ion: 136 Resp: 291604
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 8.3 7.2 10.8
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 73.539 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :

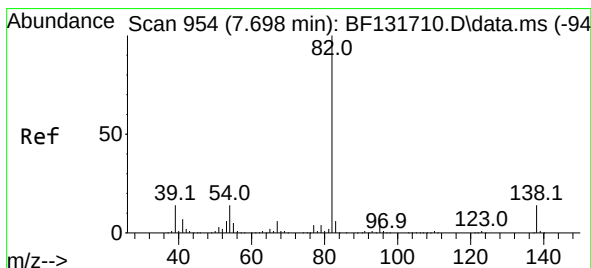
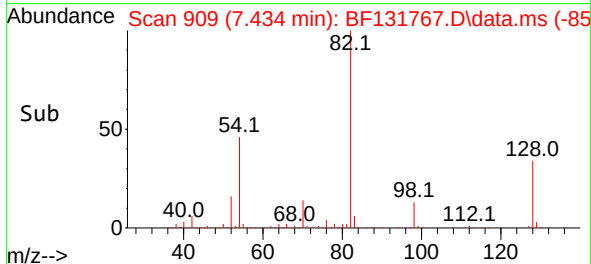
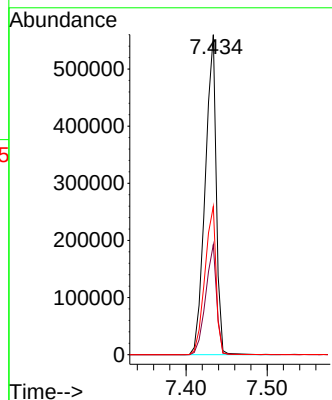
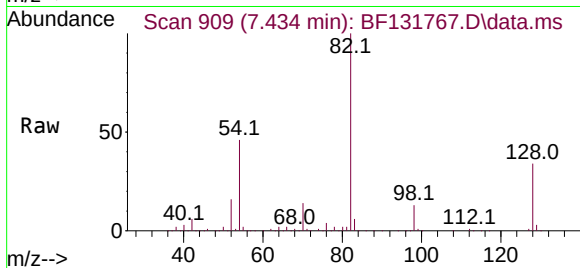
Tgt Ion: 82 Resp: 528236

Ion Ratio Lower Upper

82 100

128 34.4 27.3 40.9

54 46.3 38.2 57.2



#25

Isophorone

Concen: 43.083 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.265 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

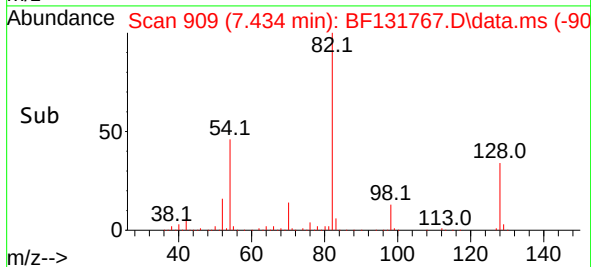
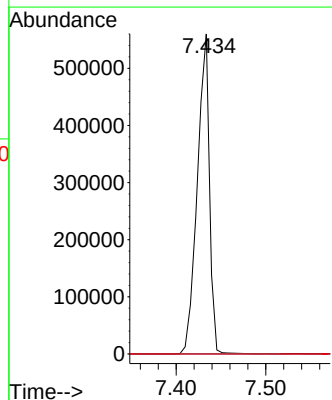
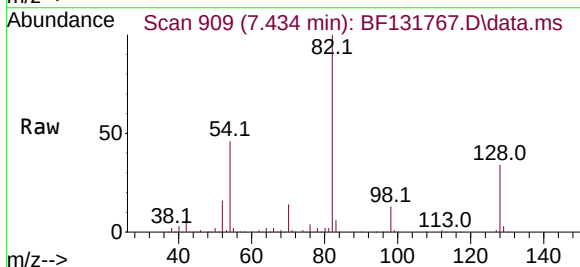
Tgt Ion: 82 Resp: 525549

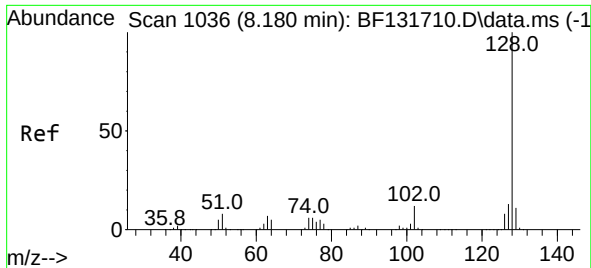
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.6 17.4#

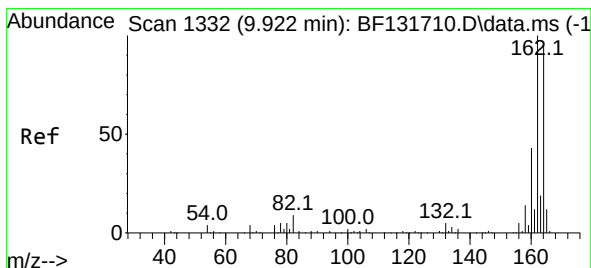
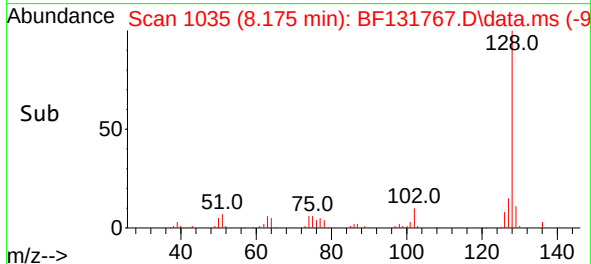
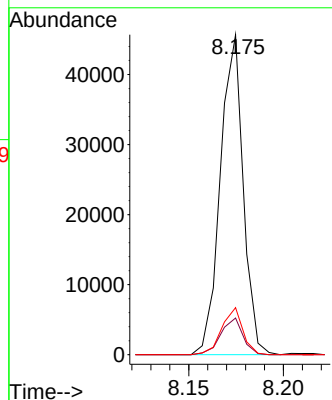
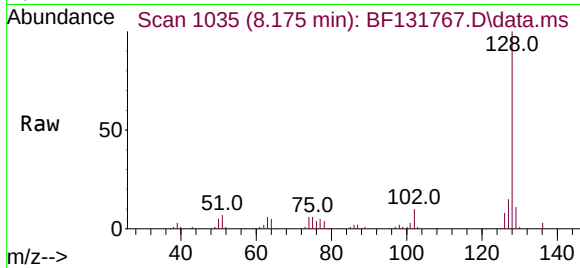




#31
Naphthalene
Concen: 2.410 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

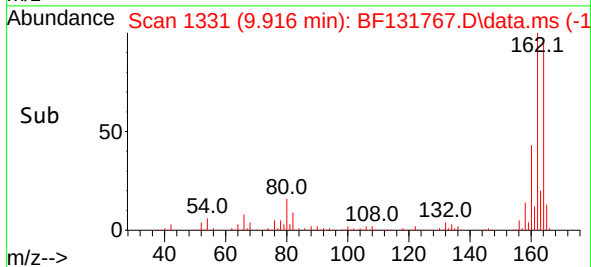
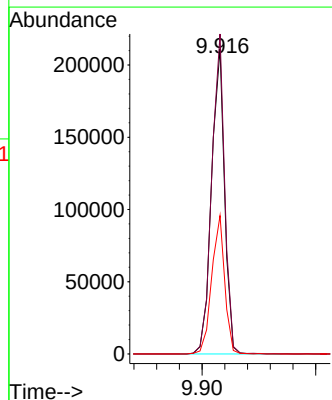
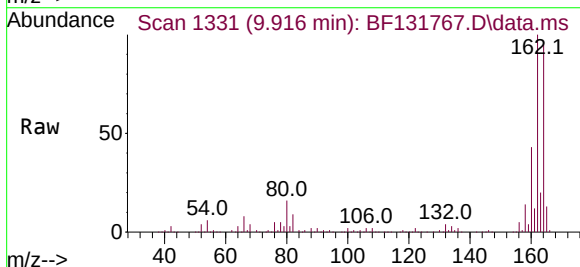
Instrument :
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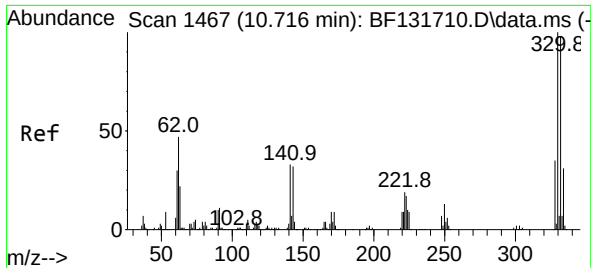
Tgt Ion:128 Resp: 38380
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 14.7 10.6 15.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Tgt Ion:164 Resp: 168488
Ion Ratio Lower Upper
164 100
162 104.8 83.7 125.5
160 45.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 116.366 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

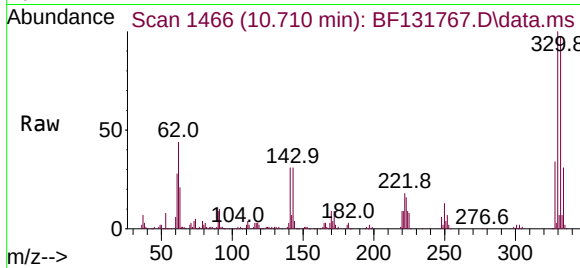
Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :



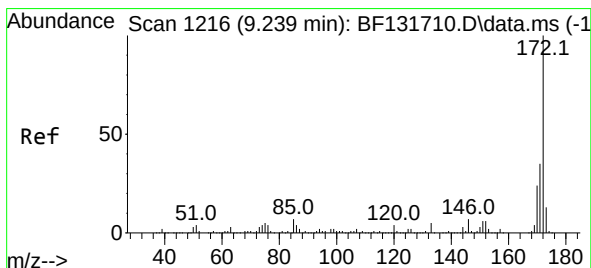
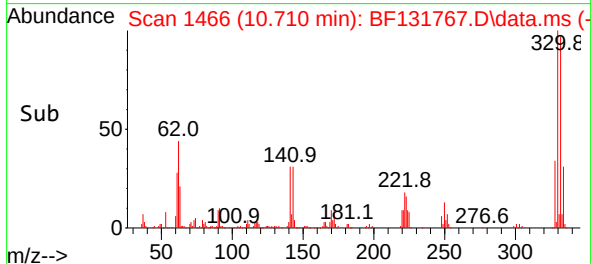
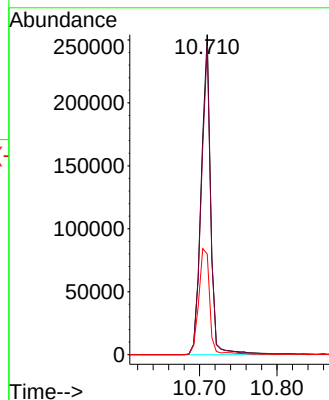
Tgt Ion:330 Resp: 214599

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

141 38.9 30.4 45.6



#45

2-Fluorobiphenyl

Concen: 67.533 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

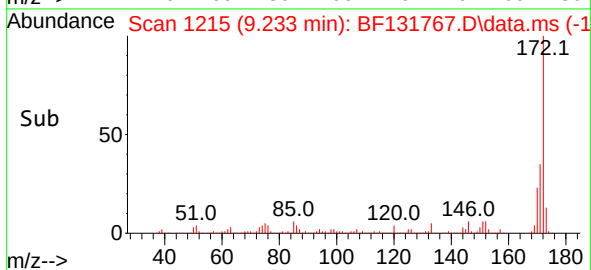
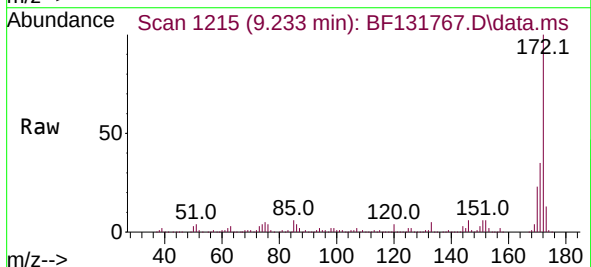
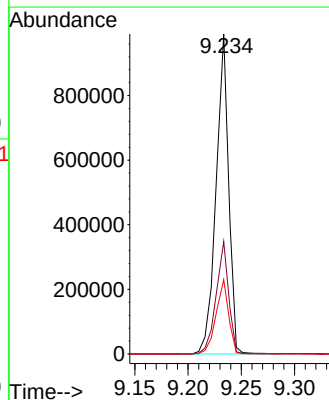
Tgt Ion:172 Resp: 812267

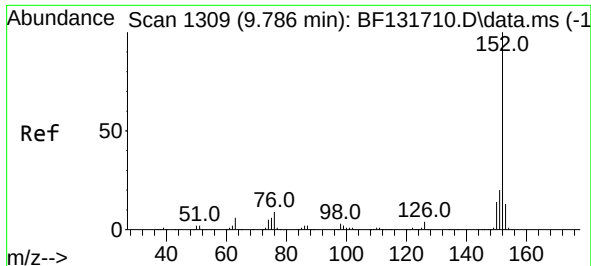
Ion Ratio Lower Upper

172 100

171 35.1 27.9 41.9

170 23.2 19.0 28.4





#49

Acenaphthylene

Concen: 2.129 ng

RT: 9.945 min Scan# 11

Delta R.T. 0.159 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :

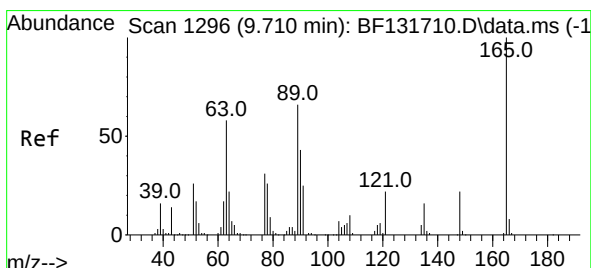
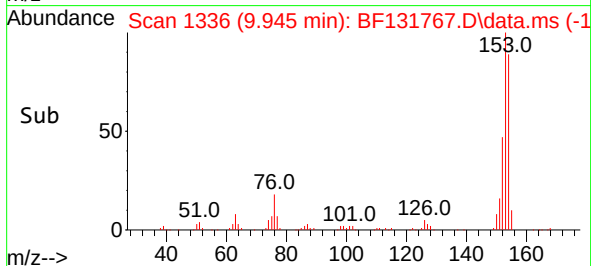
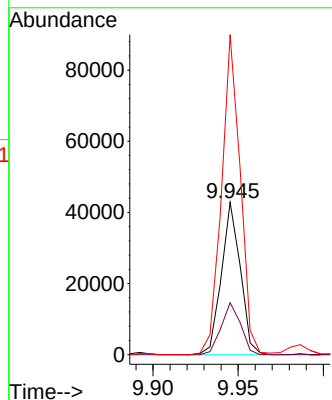
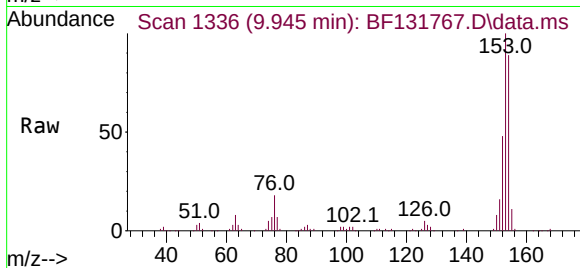
Tgt Ion:152 Resp: 33141

Ion Ratio Lower Upper

152 100

151 34.2 15.8 23.8#

153 210.2 10.6 15.8#



#51

2,6-Dinitrotoluene

Concen: 8.213 ng

RT: 9.916 min Scan# 1331

Delta R.T. 0.206 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

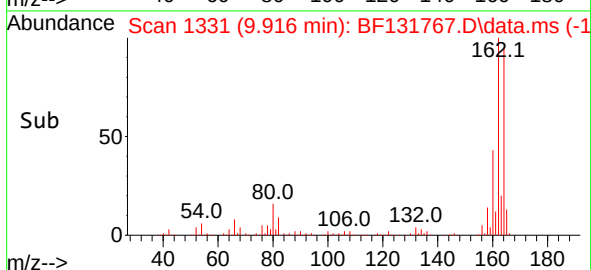
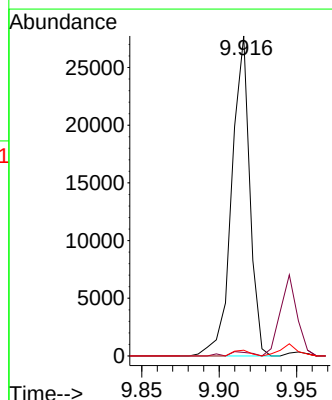
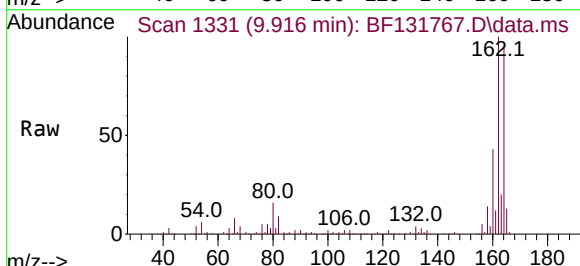
Tgt Ion:165 Resp: 22389

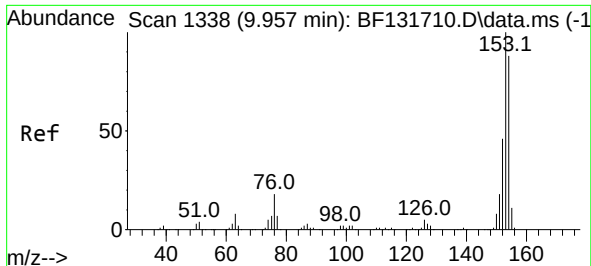
Ion Ratio Lower Upper

165 100

63 1.1 51.8 77.8#

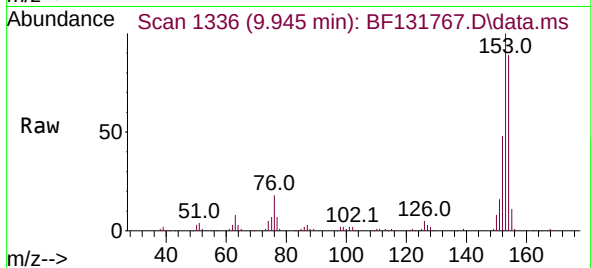
89 1.8 53.2 79.8#



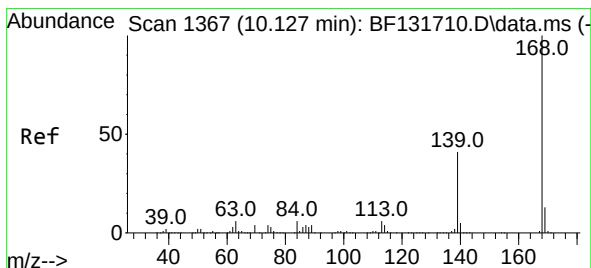
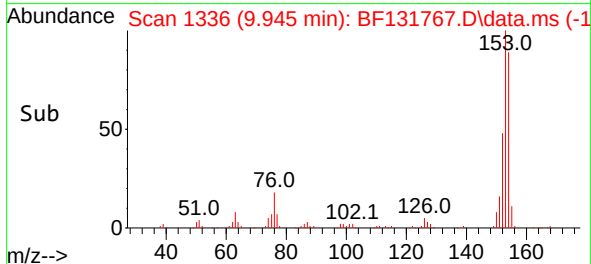
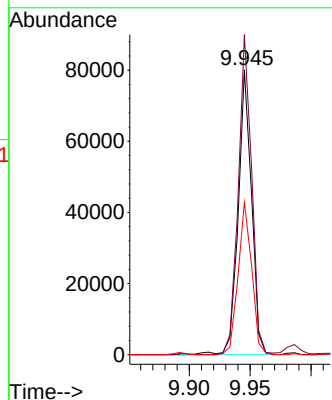


#52
Acenaphthene
Concen: 6.357 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Instrument :
BNA_F
ClientSampleId :

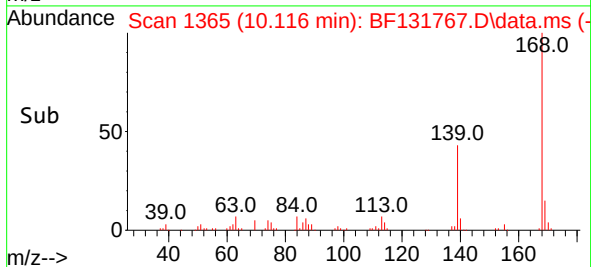
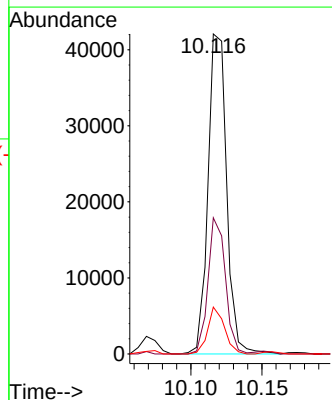
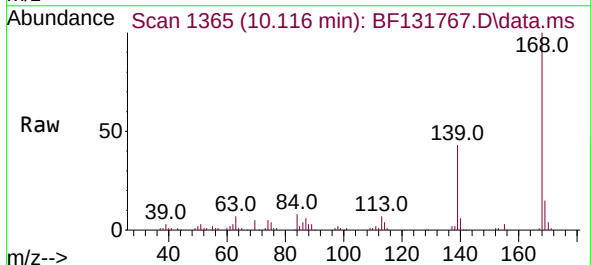


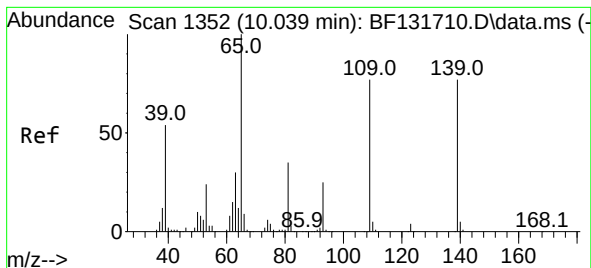
Tgt Ion:154 Resp: 60616
Ion Ratio Lower Upper
154 100
153 112.4 90.4 135.6
152 53.5 42.0 63.0



#55
Dibenzofuran
Concen: 2.640 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.012 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Tgt Ion:168 Resp: 38604
Ion Ratio Lower Upper
168 100
139 42.5 32.7 49.1
169 14.6 10.6 16.0

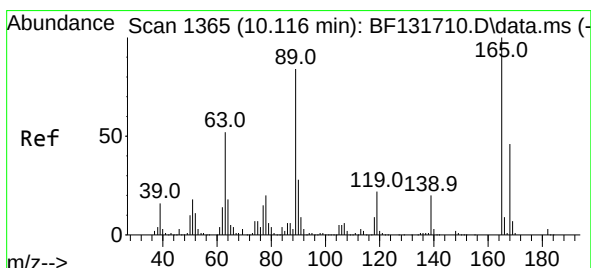
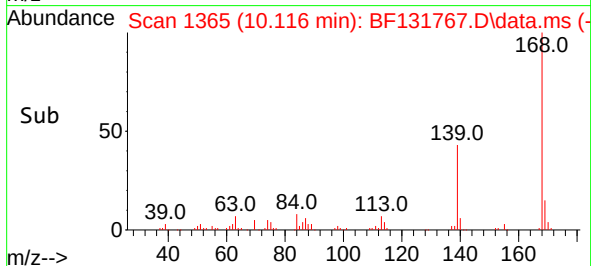
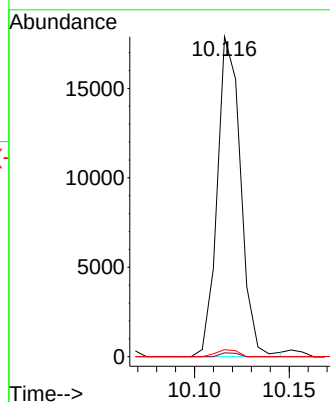
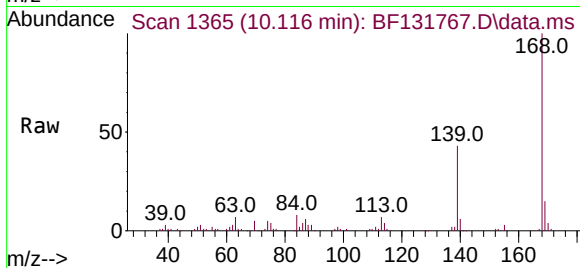




#56
4-Nitrophenol
Concen: 7.706 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.077 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

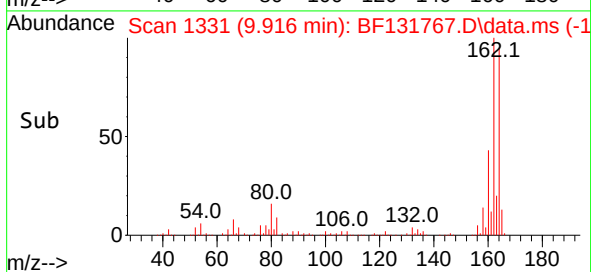
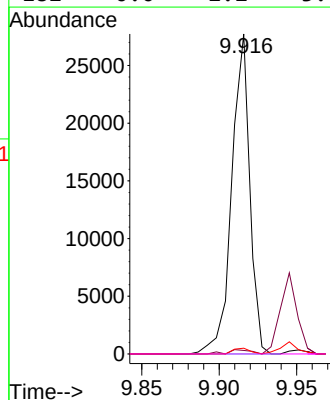
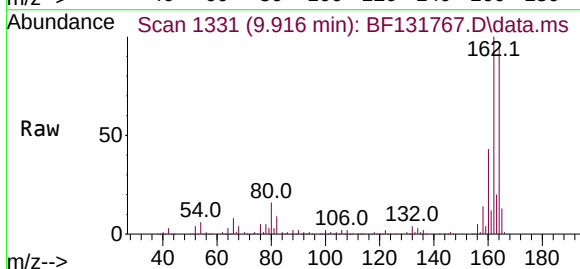
Instrument :
BNA_F
ClientSampleId :

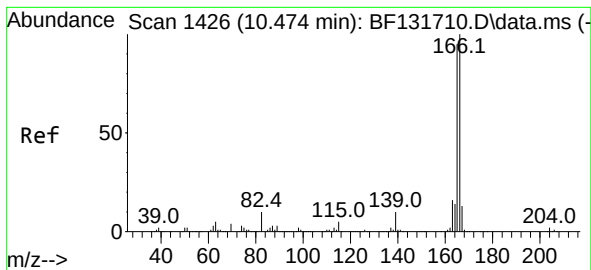
Tgt Ion:139 Resp: 15385
Ion Ratio Lower Upper
139 100
109 1.2 79.9 119.9#
65 2.2 110.2 150.2#



#57
2,4-Dinitrotoluene
Concen: 6.112 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Tgt Ion:165 Resp: 22389
Ion Ratio Lower Upper
165 100
63 1.1 41.5 62.3#
89 1.8 67.0 100.4#
182 0.0 2.2 3.4#





#58

Fluorene

Concen: 3.949 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.012 min

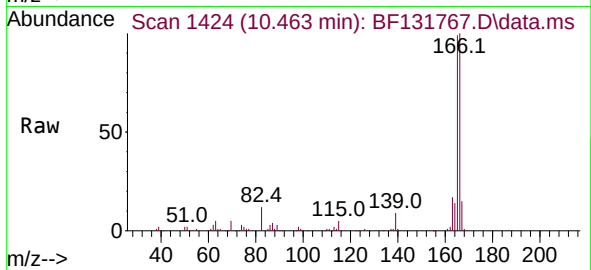
Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :



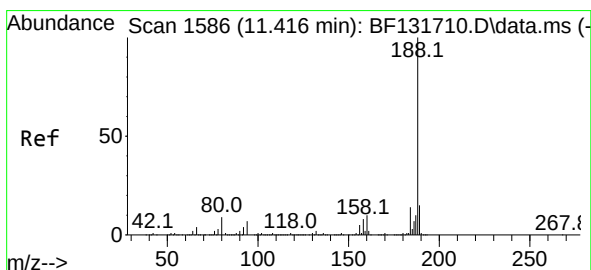
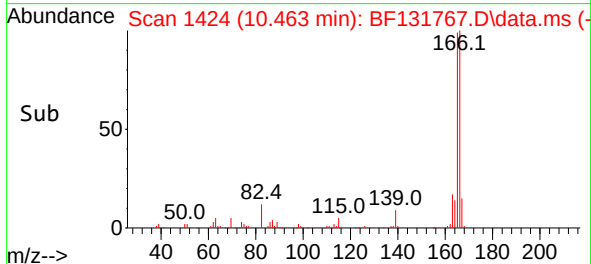
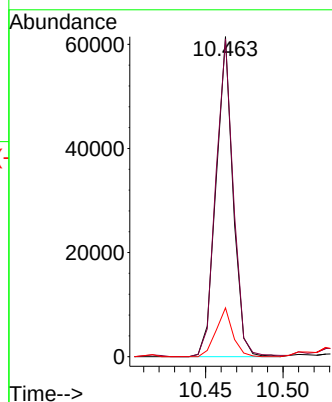
Tgt Ion:166 Resp: 46684

Ion Ratio Lower Upper

166 100

165 99.3 75.8 113.8

167 15.3 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

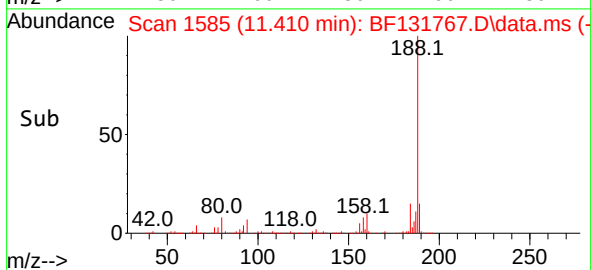
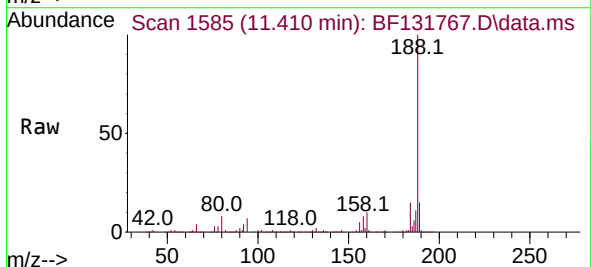
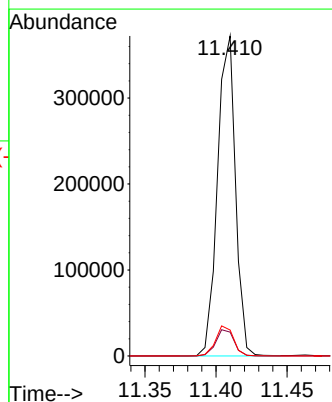
Tgt Ion:188 Resp: 326803

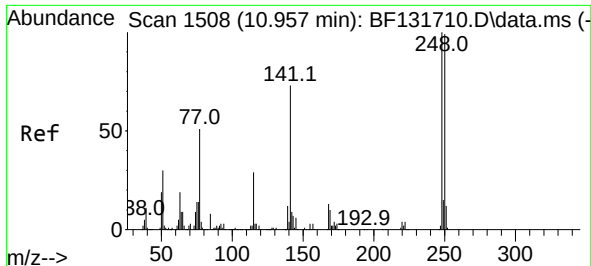
Ion Ratio Lower Upper

188 100

94 7.4 5.9 8.9

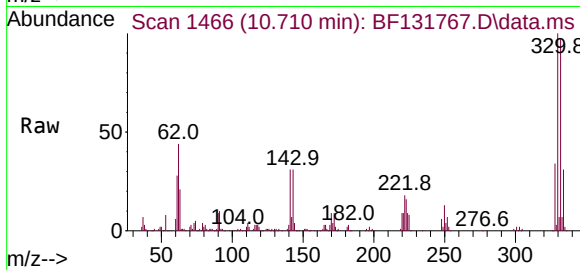
80 8.1 7.0 10.6



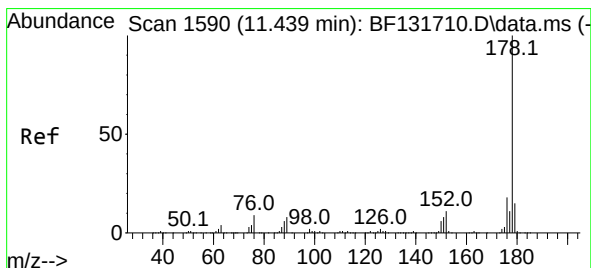
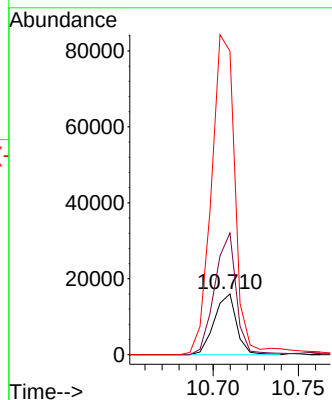
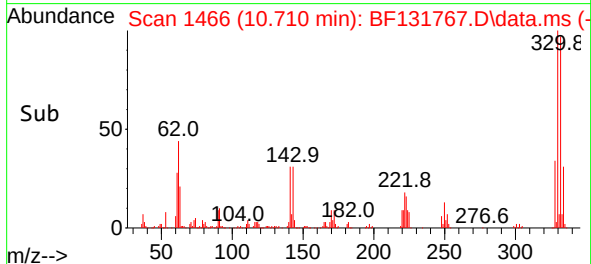


#67
4-Bromophenyl-phenylether
Concen: 3.768 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.247 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

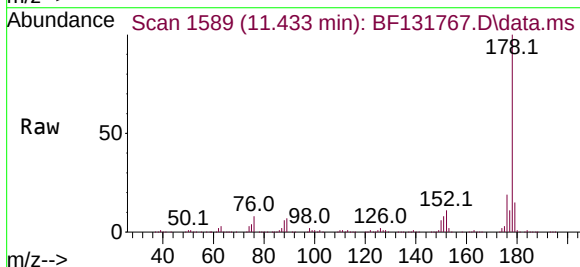
Instrument :
BNA_F
ClientSampleId :



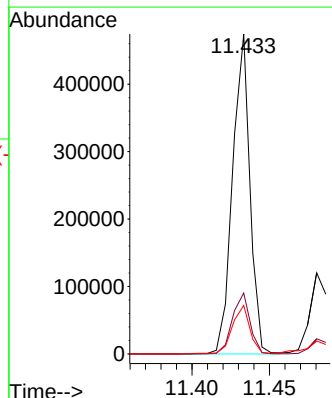
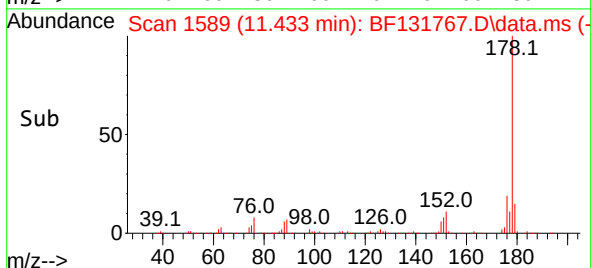
Tgt Ion:248 Resp: 14542
Ion Ratio Lower Upper
248 100
250 200.1 79.4 119.0#
141 498.9 58.1 87.1#

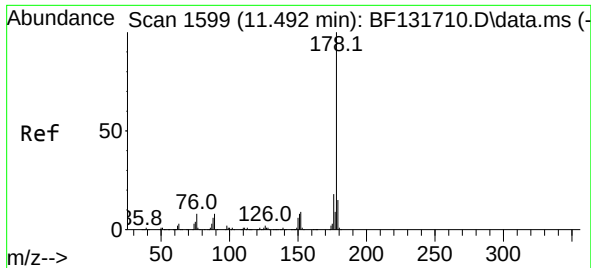


#71
Phenanthrene
Concen: 20.686 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



Tgt Ion:178 Resp: 368631
Ion Ratio Lower Upper
178 100
176 19.1 14.8 22.2
179 15.1 12.2 18.4

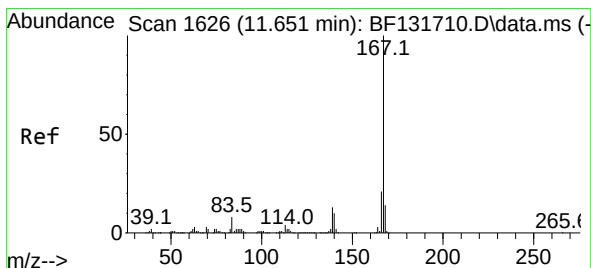
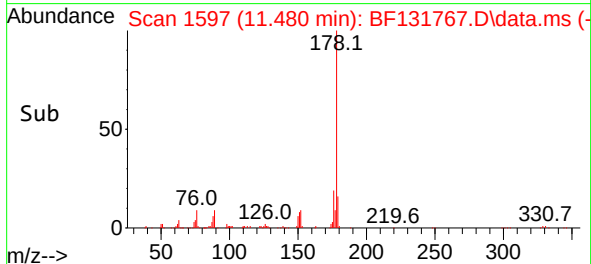
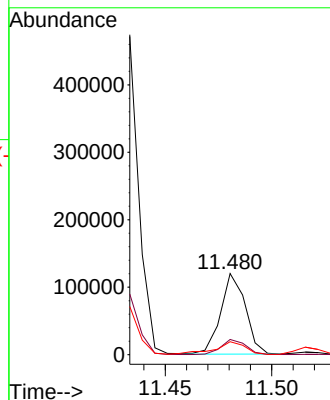
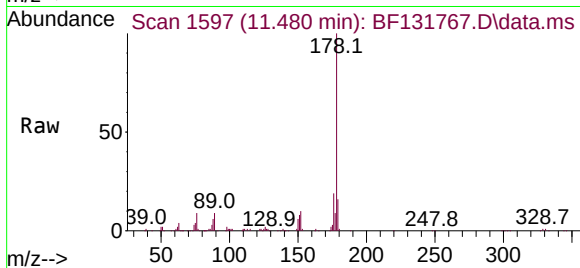




#72
 Anthracene
 Concen: 5.562 ng
 RT: 11.480 min Scan# 1149
 Delta R.T. -0.012 min
 Lab File: BF131767.D
 Acq: 22 Dec 2022 02:40

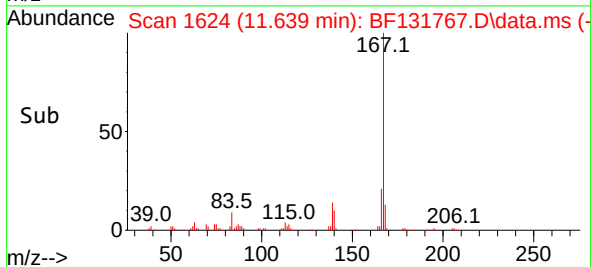
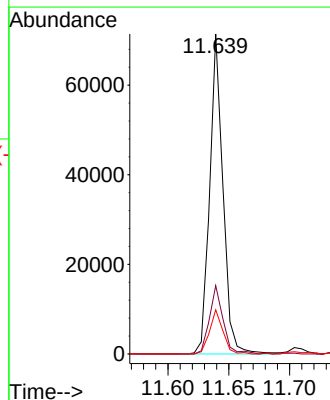
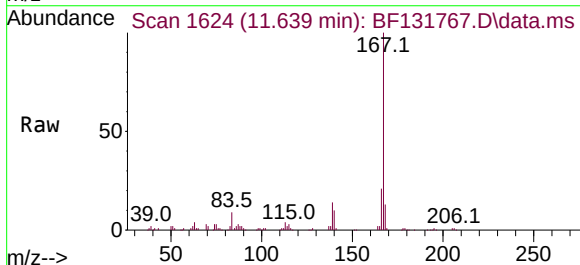
Instrument :
 BNA_F
 ClientSampleId :

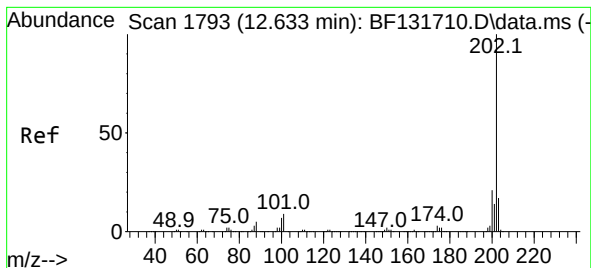
Tgt Ion:178 Resp: 97043
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 21.8
 179 16.1 12.2 18.4



#73
 Carbazole
 Concen: 3.588 ng
 RT: 11.639 min Scan# 1624
 Delta R.T. -0.012 min
 Lab File: BF131767.D
 Acq: 22 Dec 2022 02:40

Tgt Ion:167 Resp: 54169
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 13.8 10.5 15.7





#75

Fluoranthene

Concen: 22.951 ng

RT: 12.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :

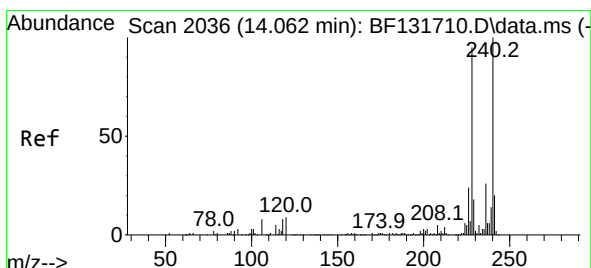
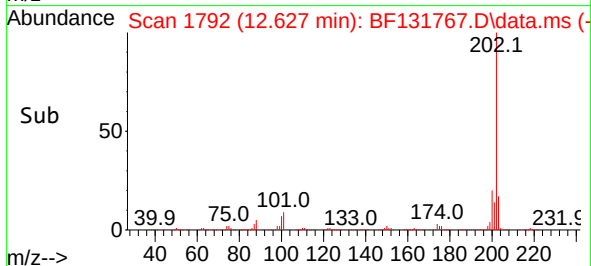
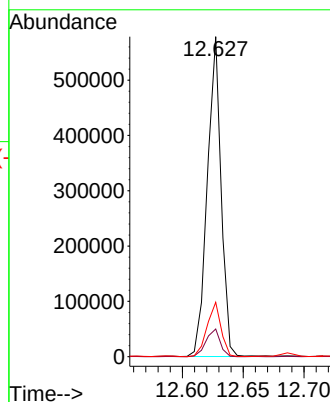
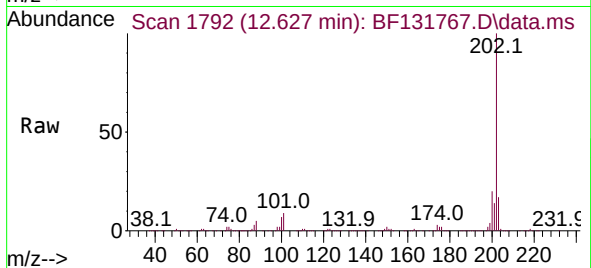
Tgt Ion:202 Resp: 455490

Ion Ratio Lower Upper

202 100

101 8.6 0.0 28.8

203 17.0 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

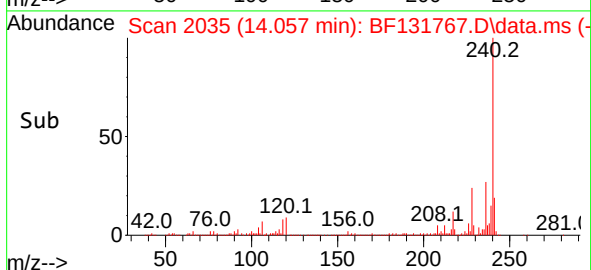
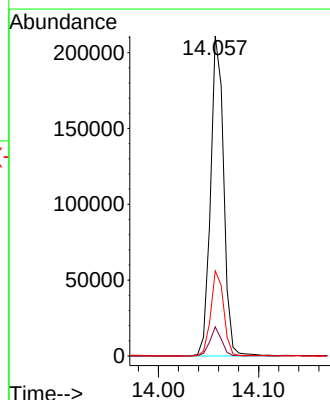
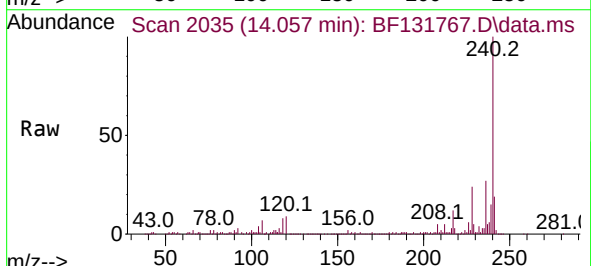
Tgt Ion:240 Resp: 192283

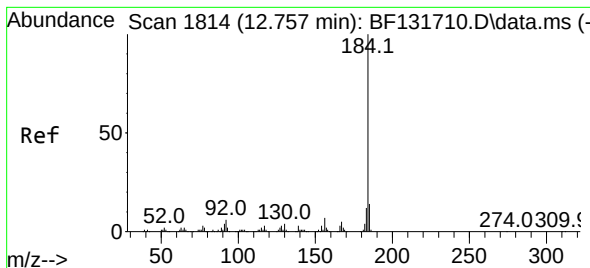
Ion Ratio Lower Upper

240 100

120 9.1 7.6 11.4

236 26.6 21.2 31.8





#77

Benzidine

Concen: 3.432 ng

RT: 12.998 min Scan# 1855

Delta R.T. 0.241 min

Lab File: BF131767.D

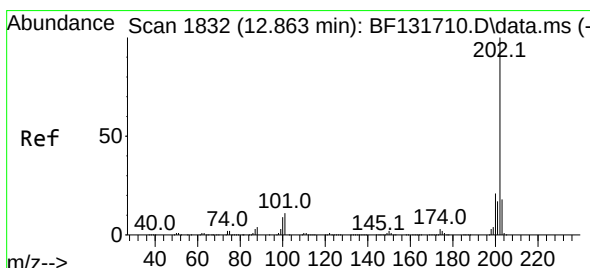
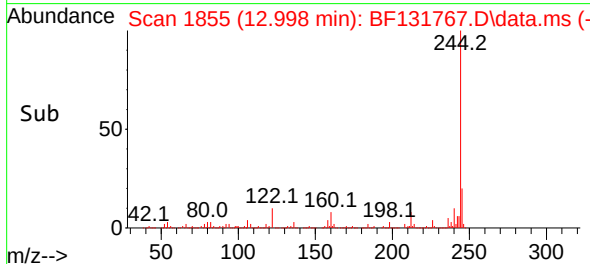
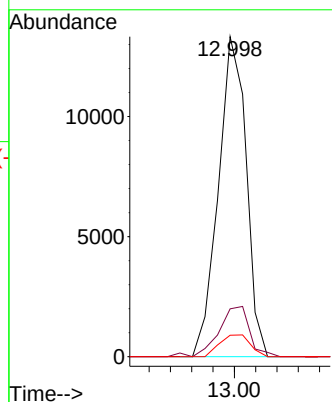
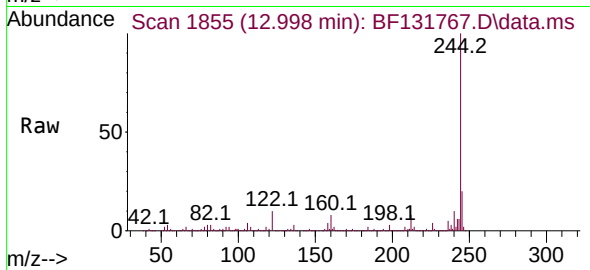
Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:184	Resp:	12100
Ion Ratio	Lower	Upper
184	100	
185	15.0	11.3 16.9
183	6.7	9.3 13.9#



#78

Pyrene

Concen: 20.539 ng

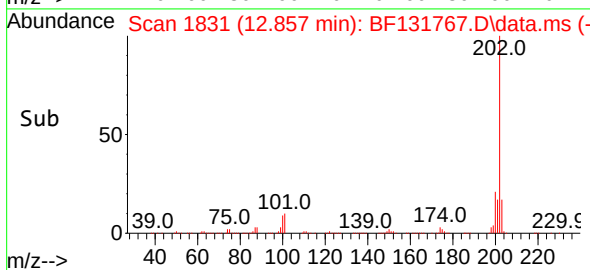
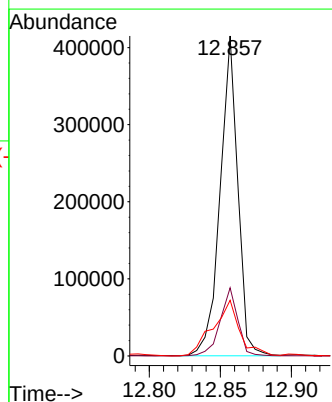
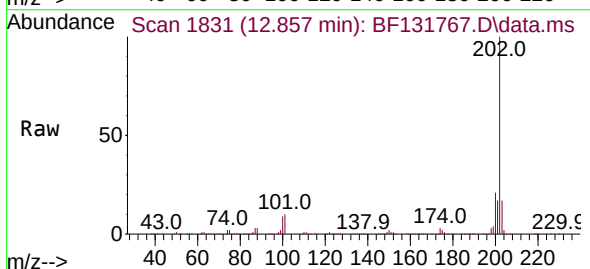
RT: 12.857 min Scan# 1831

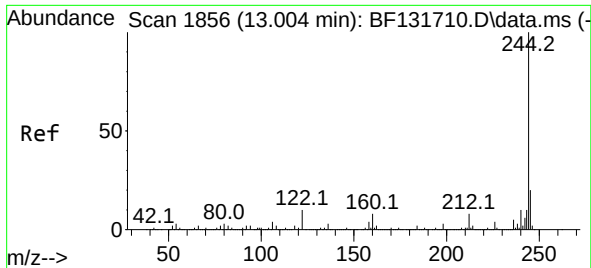
Delta R.T. -0.006 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

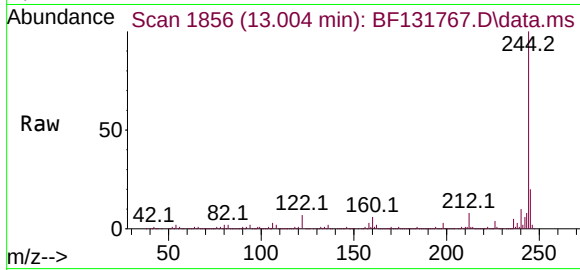
Tgt Ion:202	Resp:	359070
Ion Ratio	Lower	Upper
202	100	
200	21.3	17.1 25.7
203	17.4	14.1 21.1



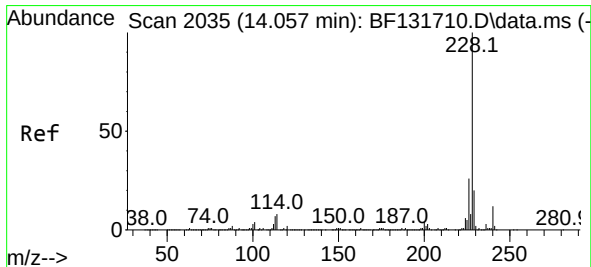
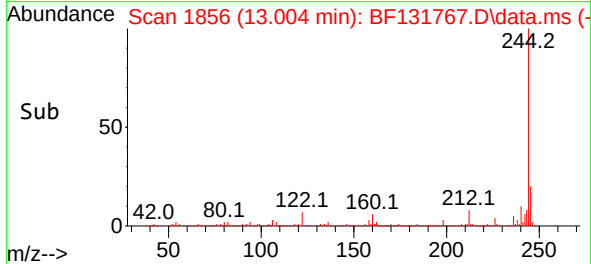
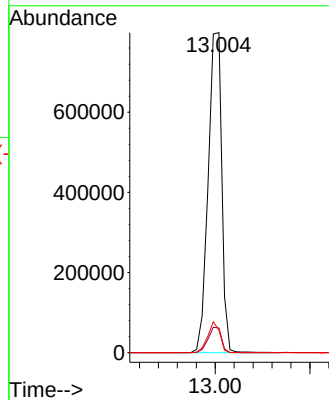


#79
 Terphenyl-d14
 Concen: 64.463 ng
 RT: 13.004 min Scan# 1856
 Delta R.T. 0.000 min
 Lab File: BF131767.D
 Acq: 22 Dec 2022 02:40

Instrument :
 BNA_F
 ClientSampleId :

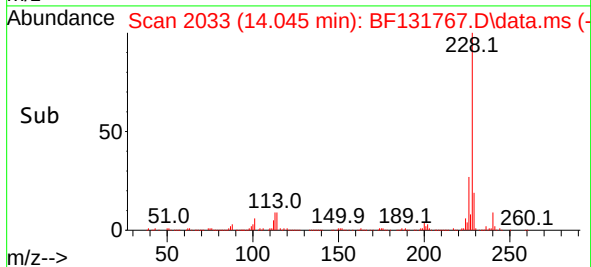
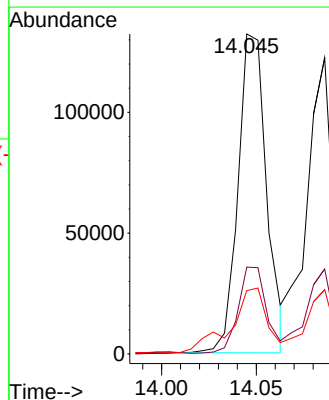
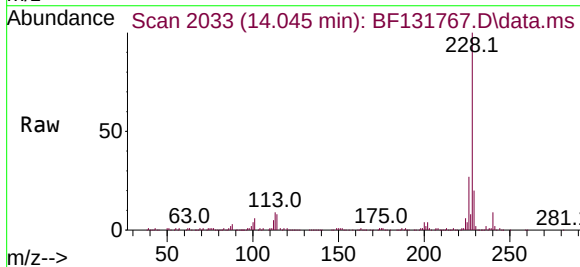


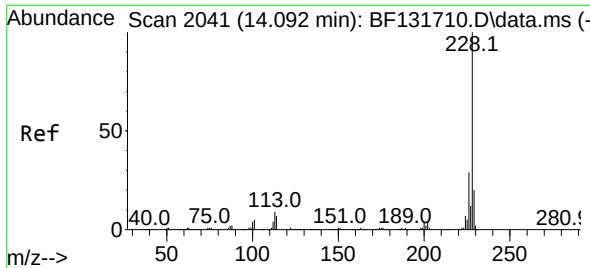
Tgt Ion:244 Resp: 795311
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 7.1 7.7 11.5#



#81
 Benzo(a)anthracene
 Concen: 9.997 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. -0.012 min
 Lab File: BF131767.D
 Acq: 22 Dec 2022 02:40

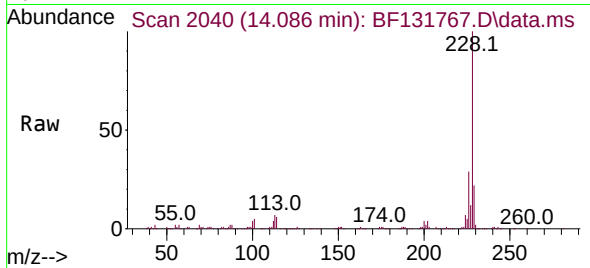
Tgt Ion:228 Resp: 138442
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.0 31.4
 229 19.8 15.8 23.8



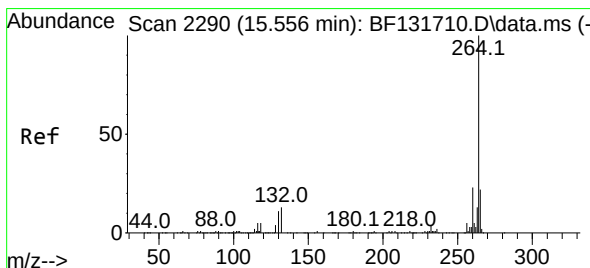
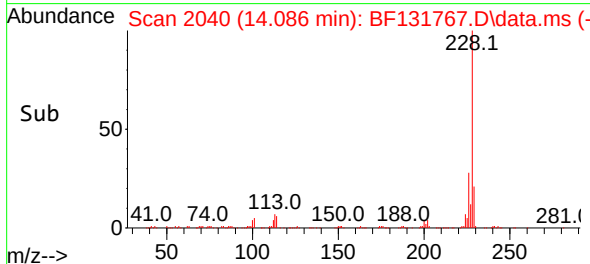
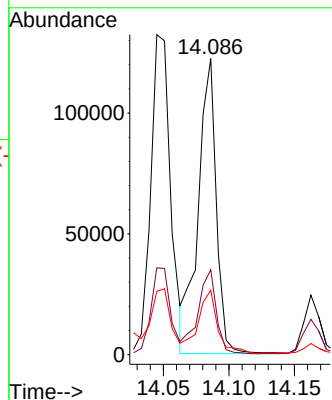


#83
Chrysene
Concen: 9.036 ng
RT: 14.086 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Instrument :
BNA_F
ClientSampleId :

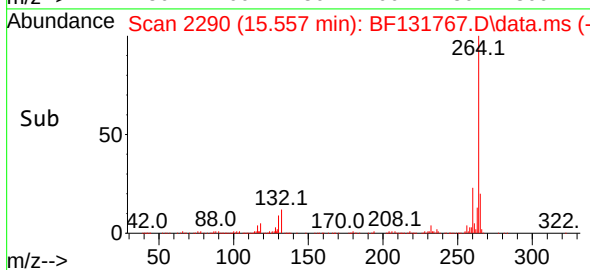
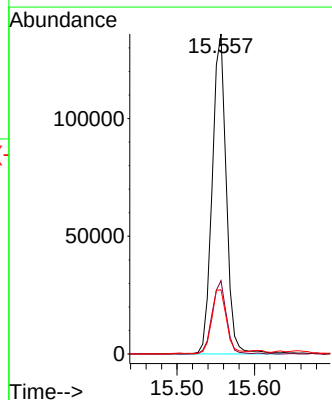
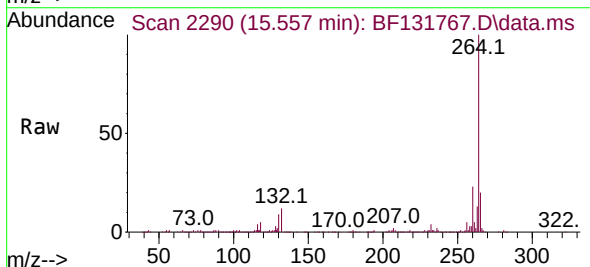


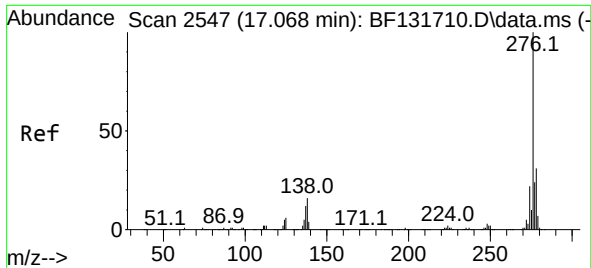
Tgt Ion:228 Resp: 118112
Ion Ratio Lower Upper
228 100
226 28.7 23.5 35.3
229 21.7 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.000 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

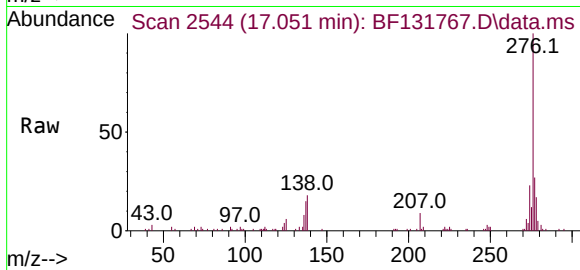
Tgt Ion:264 Resp: 171467
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 20.0 17.4 26.2



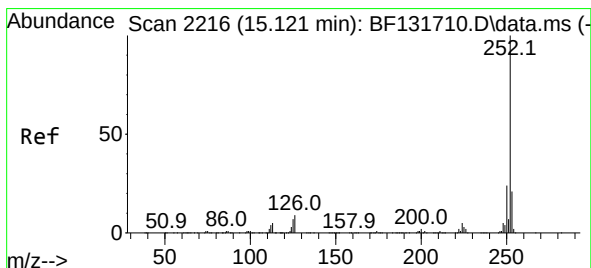
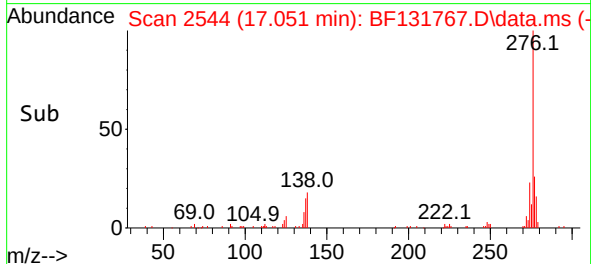
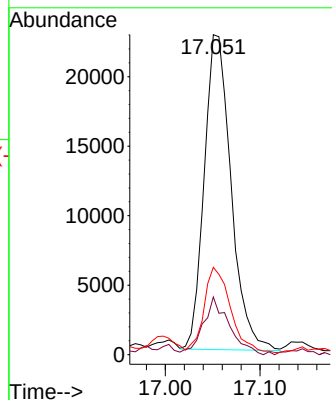


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.873 ng
RT: 17.051 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Instrument :
BNA_F
ClientSampleId :

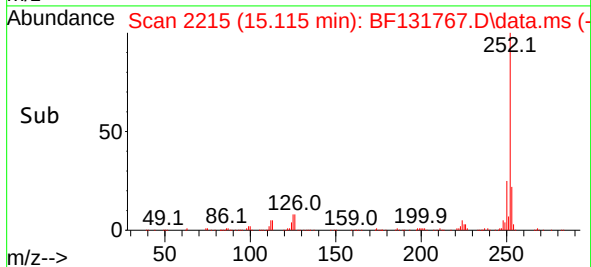
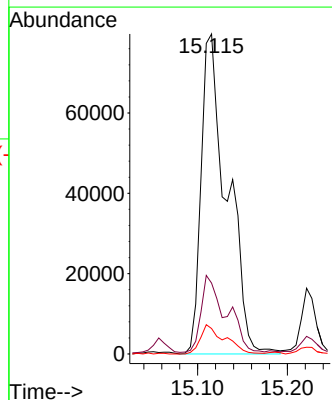
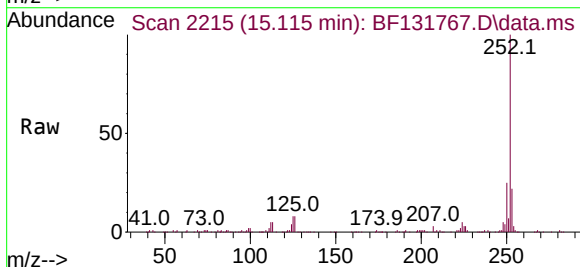


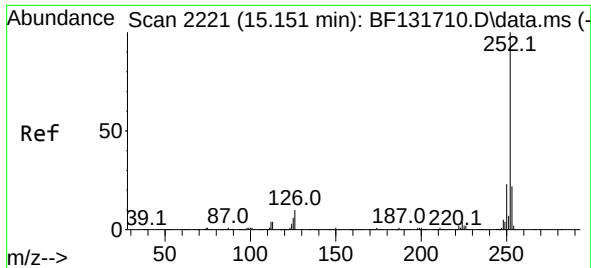
Tgt Ion:276 Resp: 44601
Ion Ratio Lower Upper
276 100
138 17.7 14.4 21.6
277 26.4 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 13.197 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

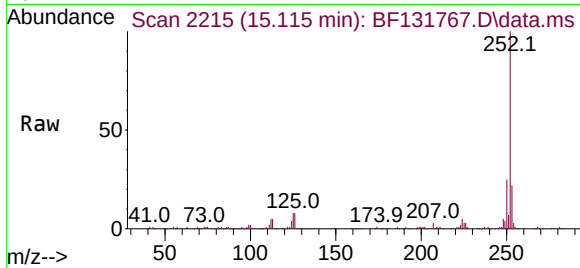
Tgt Ion:252 Resp: 160099
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 8.0 5.5 8.3



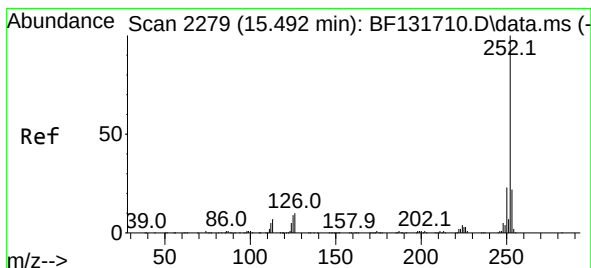
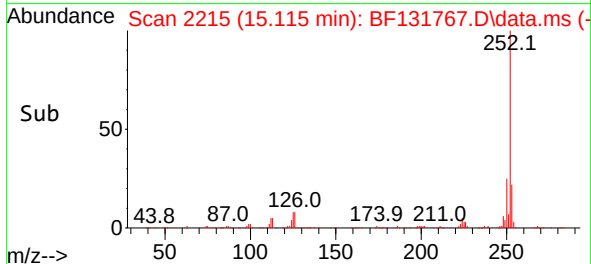
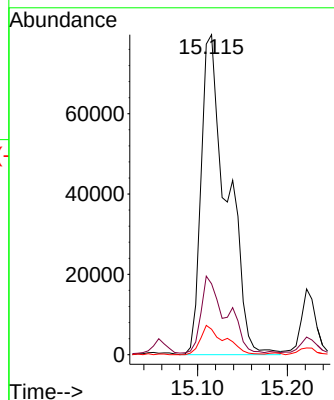


#89
Benzo(k)fluoranthene
Concen: 13.525 ng
RT: 15.115 min Scan# 211
Delta R.T. -0.035 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Instrument :
BNA_F
ClientSampleId :

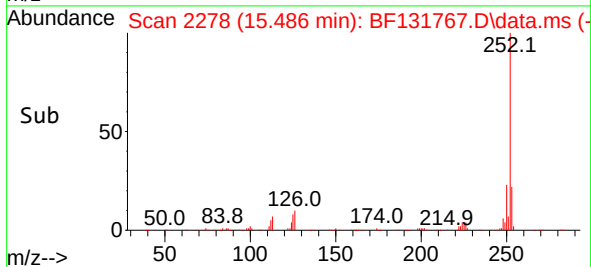
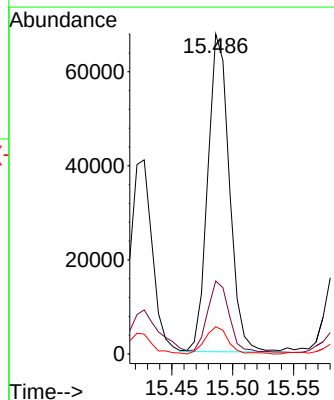
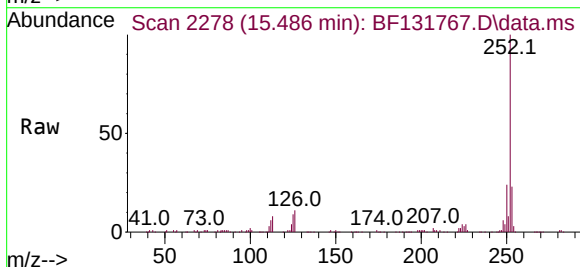


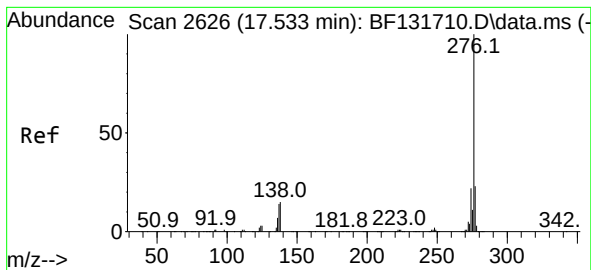
Tgt Ion:252 Resp: 160099
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 8.0 5.2 7.8#



#90
Benzo(a)pyrene
Concen: 8.659 ng
RT: 15.486 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Tgt Ion:252 Resp: 83204
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 8.5 7.0 10.4





#92

Benzo(g,h,i)perylene

Concen: 4.882 ng

RT: 17.509 min Scan# 20

Delta R.T. -0.023 min

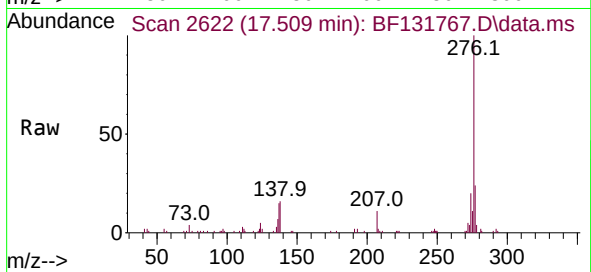
Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 45925

Ion Ratio Lower Upper

276 100

277 24.5 18.3 27.5

138 16.4 12.3 18.5

