

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133647.D
 Acq On : 08 Jun 2023 18:13
 Operator : CG\JU
 Sample : 03029-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: Jun 09 04:39:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.84
21) Naphthalene-d8	0.000	136	0	0.000	ng	-8.12
39) Acenaphthene-d10	9.992	164	54	20.000	ng	# 0.11
64) Phenanthrene-d10	11.521	188	72	20.000	ng	# 0.15
76) Chrysene-d12	14.180	240	575	20.000	ng	# 0.16
86) Perylene-d12	15.662	264	557	20.000	ng	# 0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	371363	0.000	ng	0.00
7) Phenol-d6	6.463	99	420763	0.000	ng	0.00
23) Nitrobenzene-d5	7.398	82	255759	0.000	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	95891	178143.111	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	439892	125730.807	ng	0.00
79) Terphenyl-d14	12.957	244	410572	12695.489	ng	0.00
Target Compounds						
						Qvalue
46) 1,1'-Biphenyl	9.298	154	274	62.454	ng	# 42
47) 2-Chloronaphthalene	9.404	162	171	53.780	ng	# 38
48) 2-Nitroaniline	9.551	65	72	68.656	ng	# 6
49) Acenaphthylene	9.910	152	621	114.448	ng	# 1
50) Dimethylphthalate	9.774	163	56	14.755	ng	# 77
51) 2,6-Dinitrotoluene	9.863	165	108	141.866	ng	# 16
52) Acenaphthene	9.910	154	940	285.986	ng	# 85
53) 3-Nitroaniline	10.163	138	59	64.078	ng	# 1
55) Dibenzofuran	10.080	168	1199	245.190	ng	# 90
56) 4-Nitrophenol	10.116	139	58	89.322	ng	# 1
57) 2,4-Dinitrotoluene	10.198	165	189	194.907	ng	# 14
58) Fluorene	10.427	166	1562	435.978	ng	92
60) Diethylphthalate	10.427	149	154	39.087	ng	# 60
61) 4-Chlorophenyl-phenyle...	10.610	204	55	31.971	ng	# 49
62) 4-Nitroaniline	10.586	138	73	78.085	ng	# 19
63) Azobenzene	10.592	77	33421	8474.212	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.669	198	210	592.499	ng	# 1
66) n-Nitrosodiphenylamine	10.663	169	3504	1499.040	ng	# 48
71) Phenanthrene	11.439	178	4979	1365.329	ng	94
72) Anthracene	11.439	178	4979	1326.605	ng	94
73) Carbazole	11.780	167	311	87.620	ng	# 1
74) Di-n-butylphthalate	12.074	149	254	60.518	ng	# 32
75) Fluoranthene	12.810	202	49336	12247.945	ng	97
77) Benzidine	12.874	184	670	39.840	ng	# 1
78) Pyrene	12.810	202	49336	1008.298	ng	98
80) Butylbenzylphthalate	13.563	149	857	44.268	ng	# 64
81) Benzo(a)anthracene	14.004	228	16408	428.356	ng	94
82) 3,3'-Dichlorobenzidine	14.133	252	472	39.418	ng	# 53
83) Chrysene	14.004	228	16408	424.319	ng	97
84) Bis(2-ethylhexyl)phtha...	14.168	149	339	14.009	ng	# 50
85) Di-n-octyl phthalate	14.786	149	860	21.334	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.133	276	315	8.878	ng	# 1
88) Benzo(b)fluoranthene	15.162	252	2409	66.418	ng	# 1
89) Benzo(k)fluoranthene	15.357	252	11443	323.558	ng	# 56
90) Benzo(a)pyrene	15.662	252	578	17.513	ng	# 1
91) Dibenzo(a,h)anthracene	17.192	278	1374	47.764	ng	# 1

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ALS Vial : 17 Sample Multiplier: 1

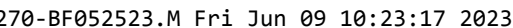
Instrument :
BNA_F
ClientSampleId :
TP-7

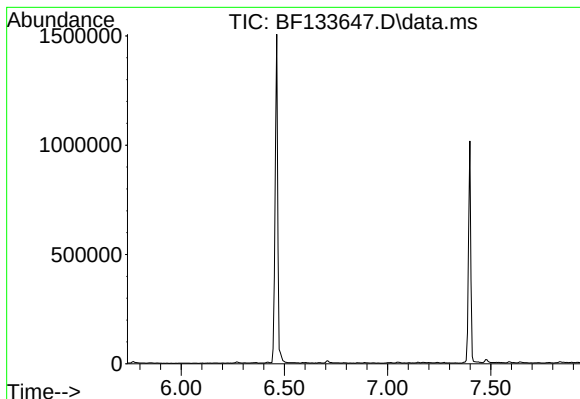
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 11:43:32 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Benzo(g,h,i)perylene	17.627	276	869	29.959	ng	# 21

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

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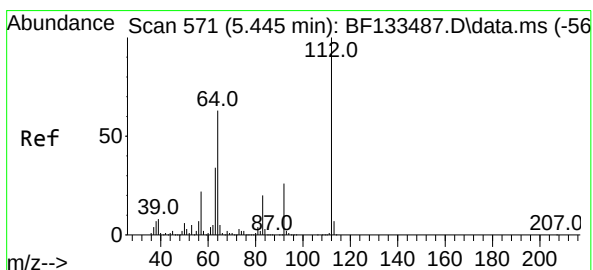
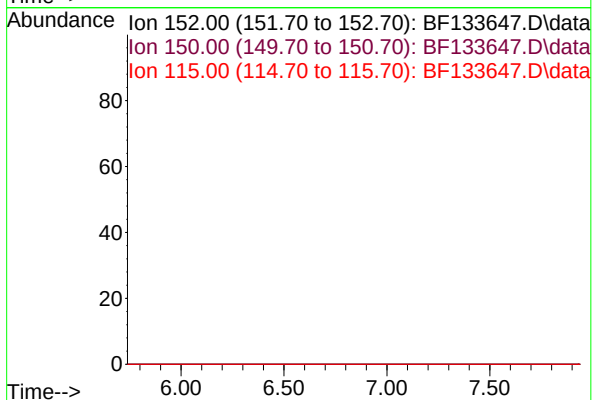




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.84 min
 Lab File: BF133647.D
 Acq: 08 Jun 2023 18:13

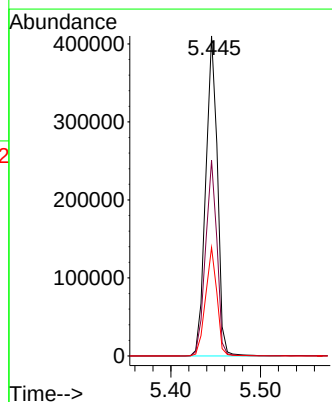
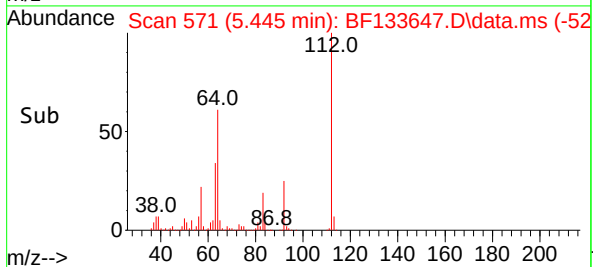
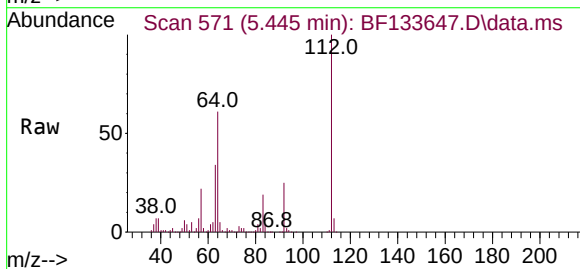
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

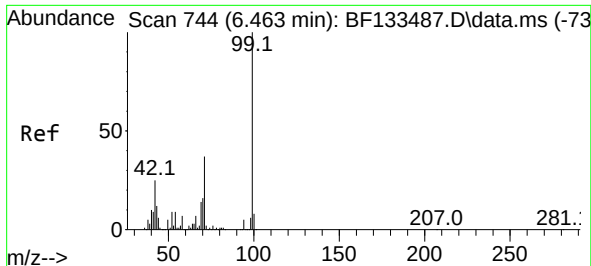
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 156.1
 115 60.1



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.445 min Scan# 571
 Delta R.T. -0.000 min
 Lab File: BF133647.D
 Acq: 08 Jun 2023 18:13

Tgt Ion: 112 Resp: 371363
 Ion Ratio Lower Upper
 112 100
 64 61.1 50.1 75.1
 63 33.9 27.5 41.3

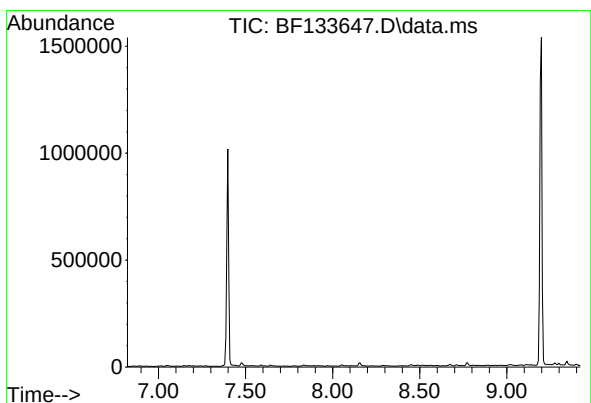
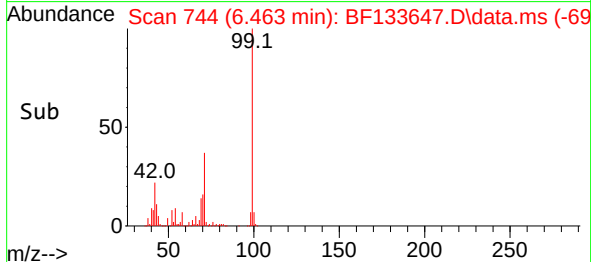
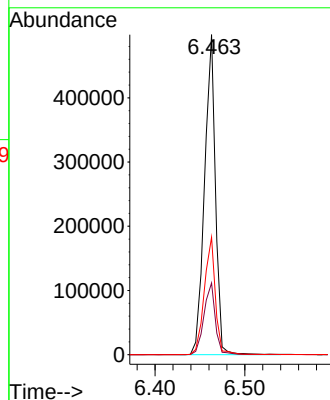
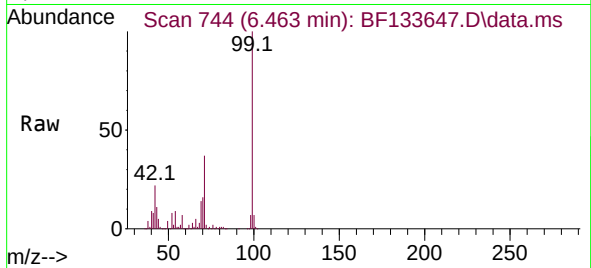




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

Instrument :
BNA_F
ClientSampleId :
TP-7

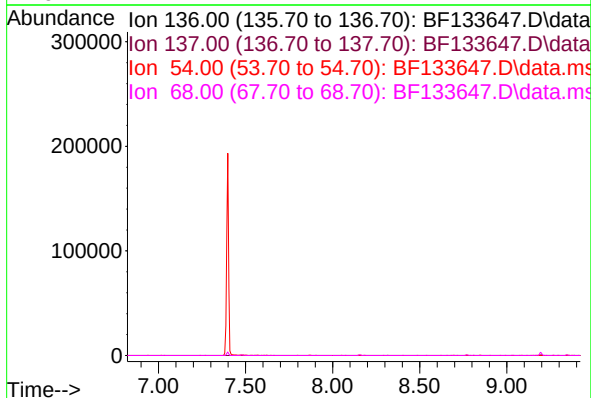
Tgt Ion: 99 Resp: 420763
Ion Ratio Lower Upper
99 100
42 22.4 19.7 29.5
71 36.7 29.8 44.8

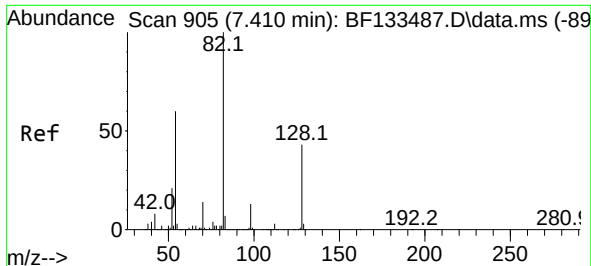


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.12 min

Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

Tgt Ion: 136
Sig Exp Ratio
136 100
137 10.3
54 8.3
68 5.8





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

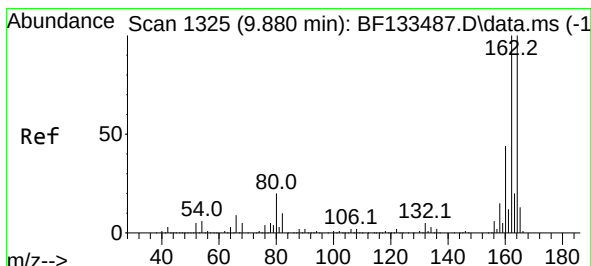
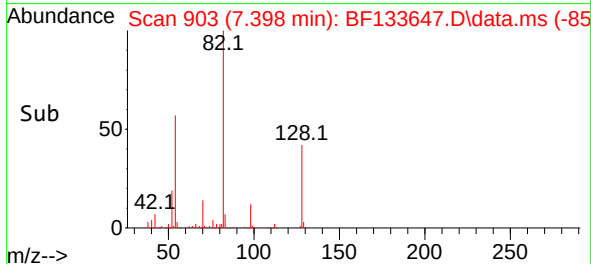
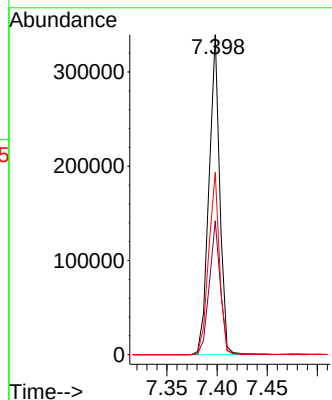
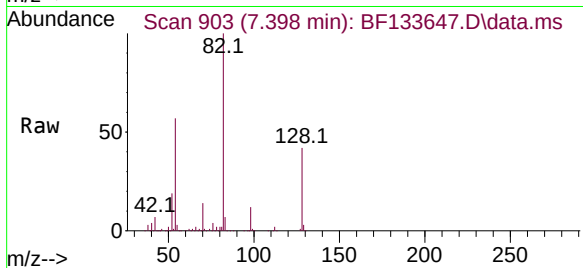
Tgt Ion: 82 Resp: 255759

Ion Ratio Lower Upper

82 100

128 41.9 34.2 51.4

54 56.9 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1344

Delta R.T. 0.112 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

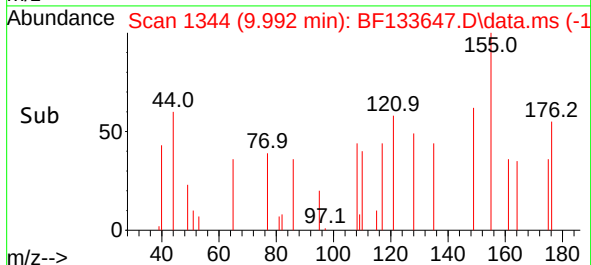
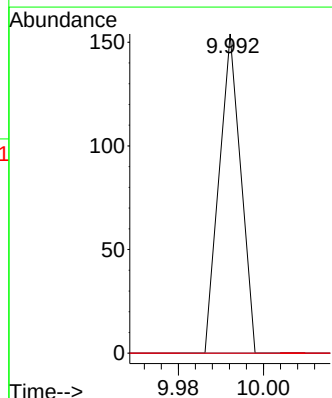
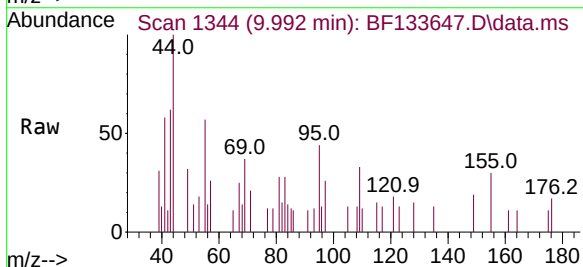
Tgt Ion: 164 Resp: 54

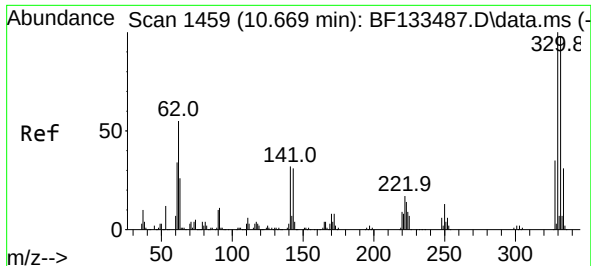
Ion Ratio Lower Upper

164 100

162 0.0 79.7 119.5#

160 0.0 35.4 53.0#





#42

2,4,6-Tribromophenol

Concen: 178143.111 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.000 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

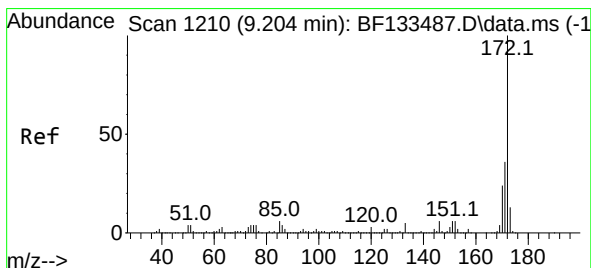
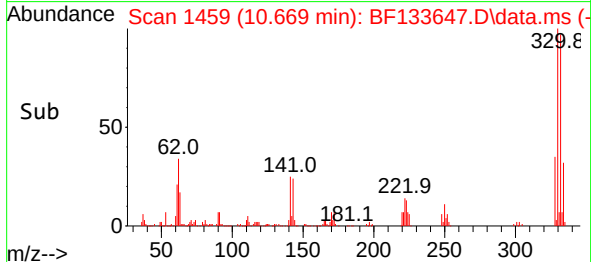
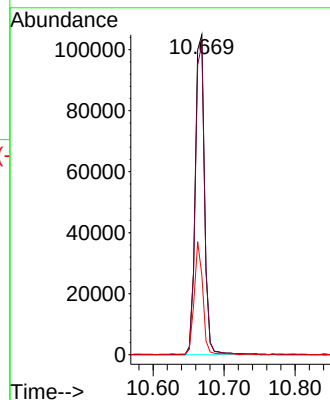
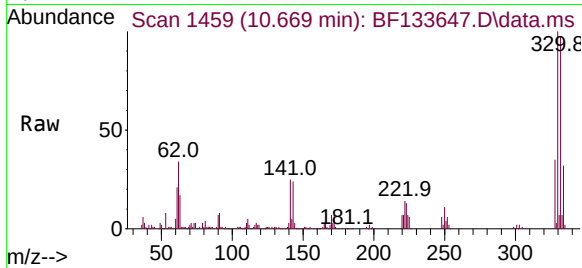
Tgt Ion:330 Resp: 95891

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

141 32.7 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 125730.807 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

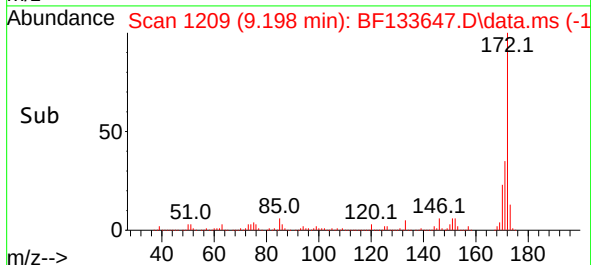
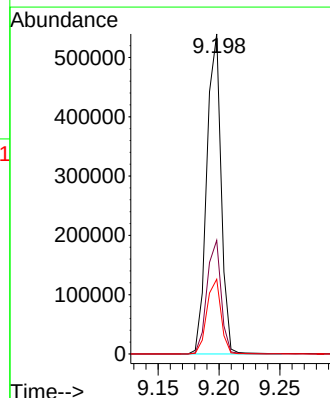
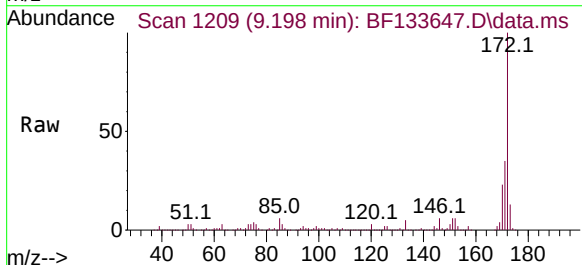
Tgt Ion:172 Resp: 439892

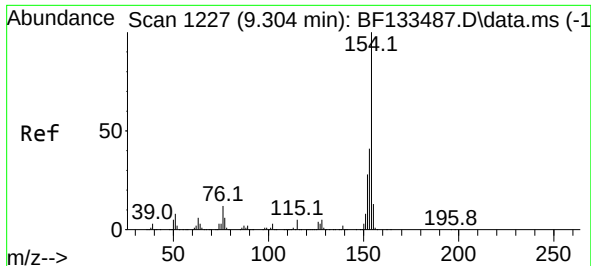
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.3 19.3 28.9





#46

1,1'-Biphenyl

Concen: 62.454 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

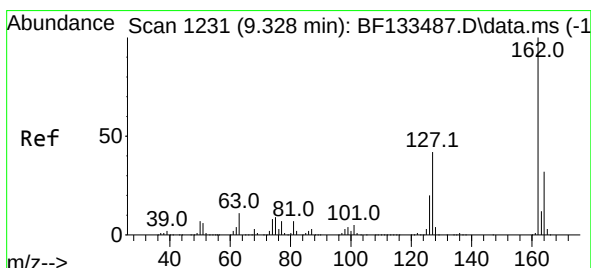
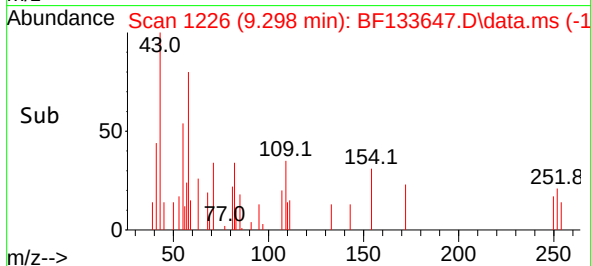
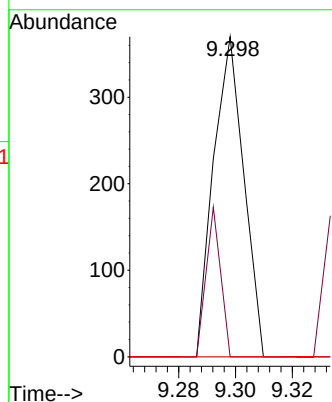
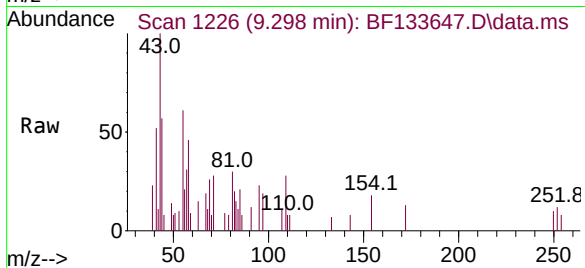
Instrument :

BNA_F

ClientSampleId :

TP-7

Tgt Ion:154	Resp:	274
Ion	Ratio	Lower Upper
154	100	
153	0.0	21.0 61.0#
76	0.0	0.0 32.5



#47

2-Chloronaphthalene

Concen: 53.780 ng

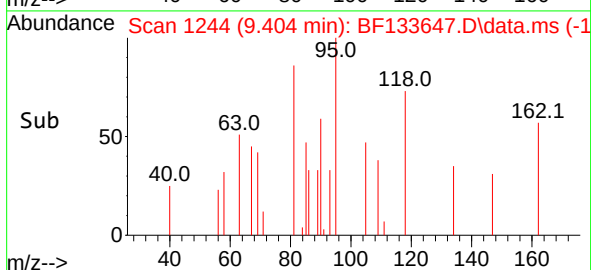
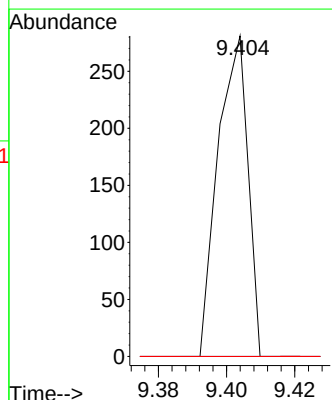
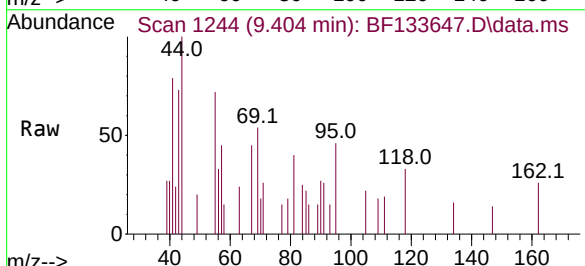
RT: 9.404 min Scan# 1244

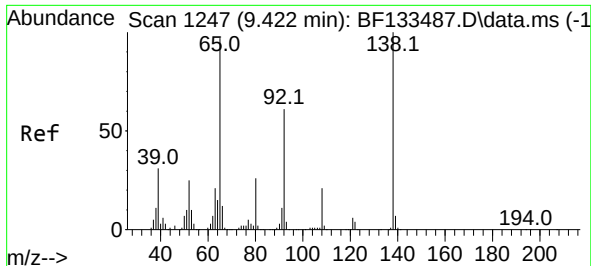
Delta R.T. 0.076 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Tgt Ion:162	Resp:	171
Ion	Ratio	Lower Upper
162	100	
127	0.0	33.2 49.8#
164	0.0	26.0 39.0#





#48

2-Nitroaniline

Concen: 68.656 ng

RT: 9.551 min Scan# 11

Delta R.T. 0.129 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

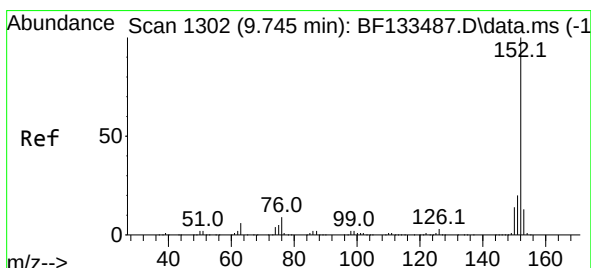
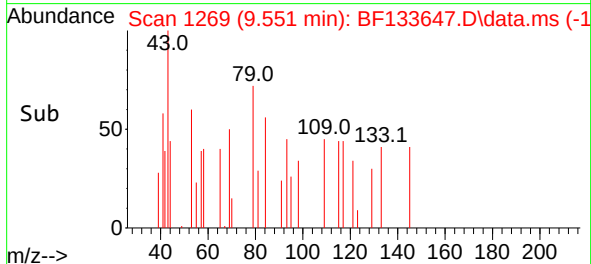
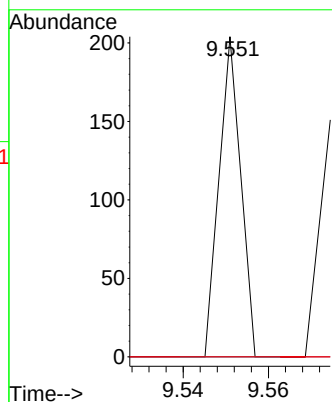
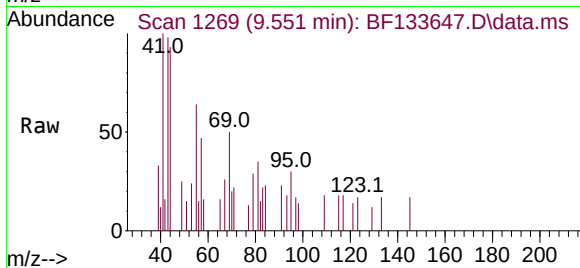
Tgt Ion: 65 Resp: 72

Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#



#49

Acenaphthylene

Concen: 114.448 ng

RT: 9.910 min Scan# 1330

Delta R.T. 0.171 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

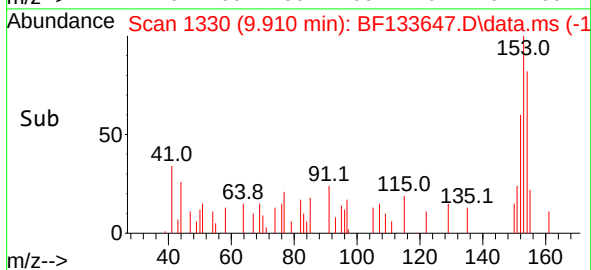
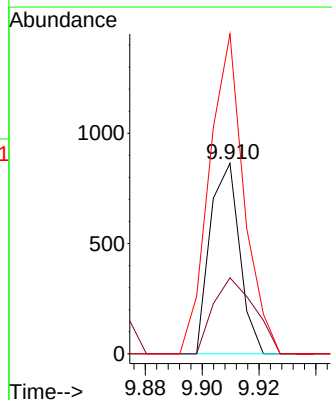
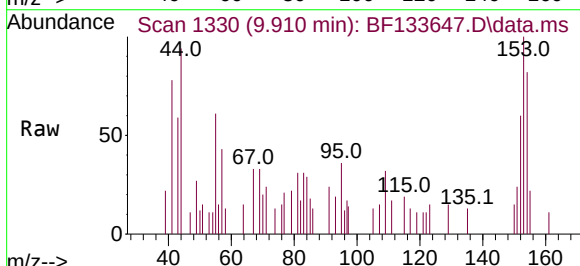
Tgt Ion: 152 Resp: 621

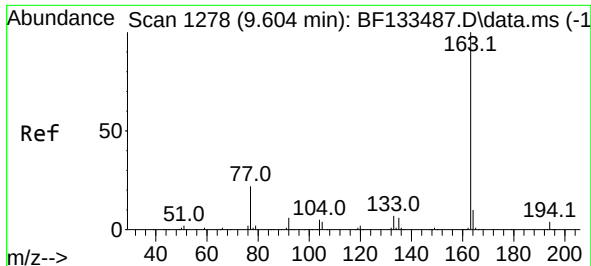
Ion Ratio Lower Upper

152 100

151 40.0 16.0 24.0#

153 168.0 10.4 15.6#

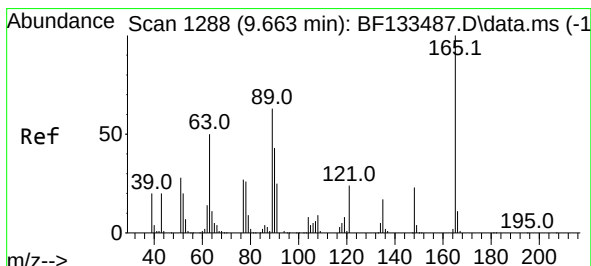
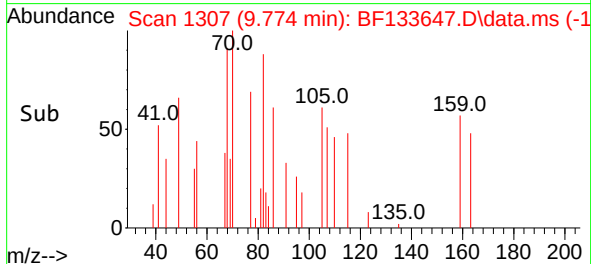
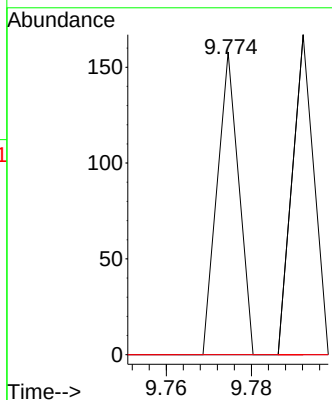
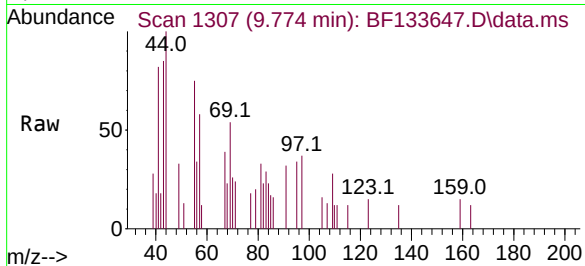




#50
Dimethylphthalate
Concen: 14.755 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.171 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

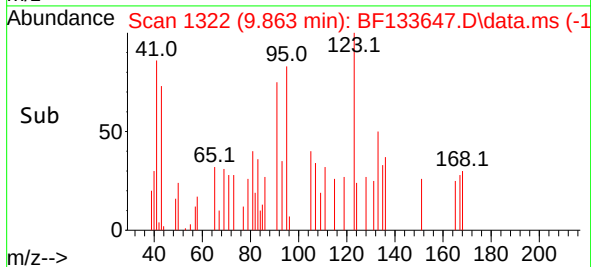
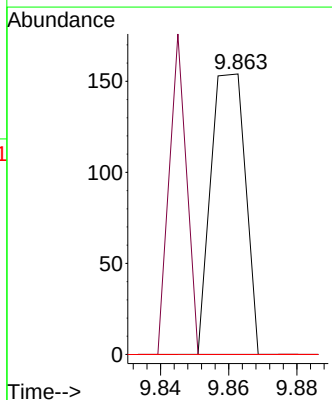
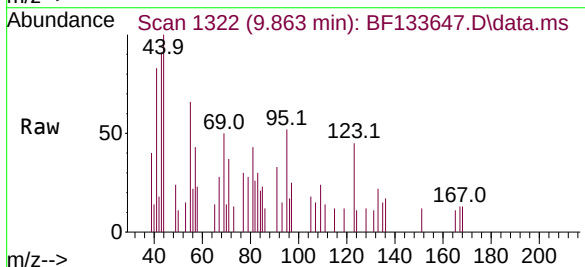
Instrument :
BNA_F
ClientSampleId :
TP-7

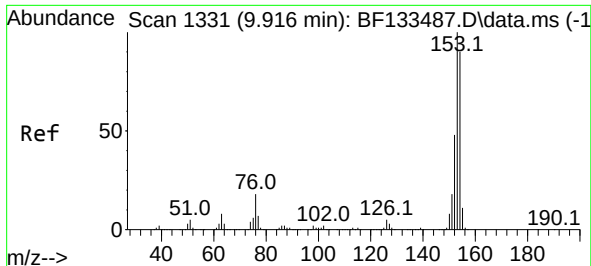
Tgt Ion:163 Resp: 56
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 0.0 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 141.866 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.200 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

Tgt Ion:165 Resp: 108
Ion Ratio Lower Upper
165 100
63 0.0 57.0 85.4#
89 0.0 50.8 76.2#

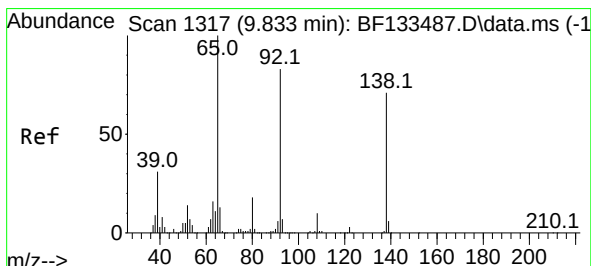
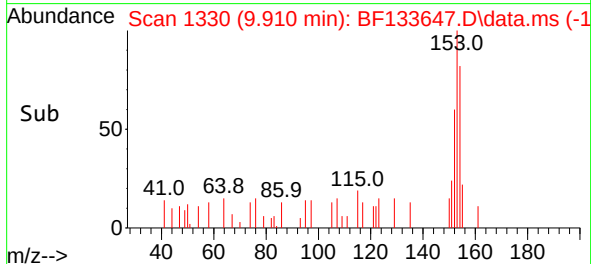
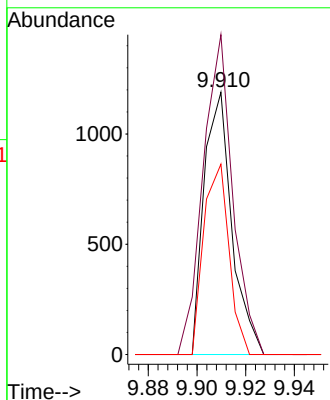
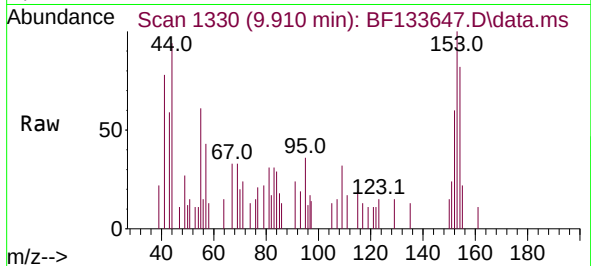




#52
Acenaphthene
Concen: 285.986 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

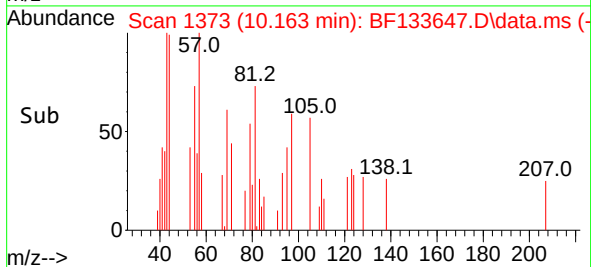
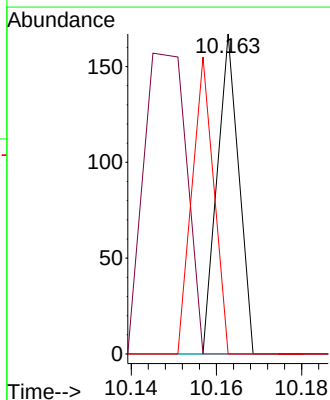
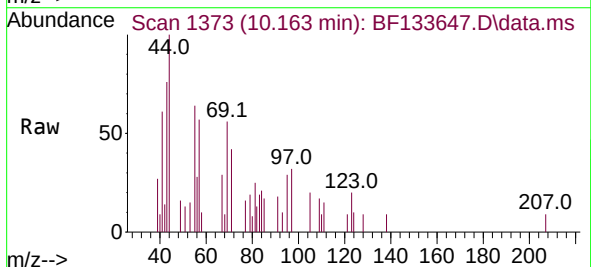
Instrument :
BNA_F
ClientSampleId :
TP-7

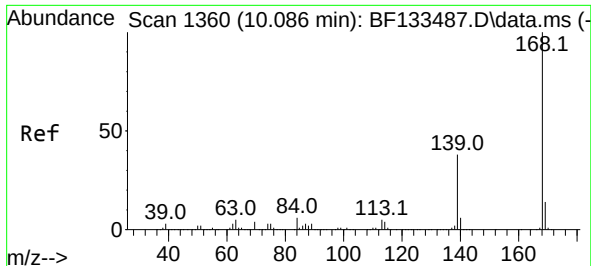
Tgt Ion:154 Resp: 940
Ion Ratio Lower Upper
154 100
153 122.0 89.2 133.8
152 72.6 43.1 64.7#



#53
3-Nitroaniline
Concen: 64.078 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.329 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

Tgt Ion:138 Resp: 59
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#

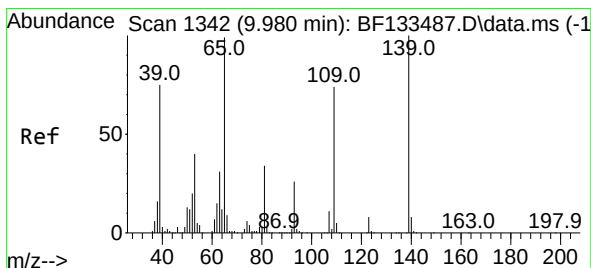
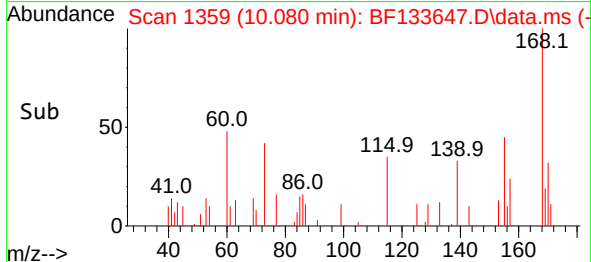
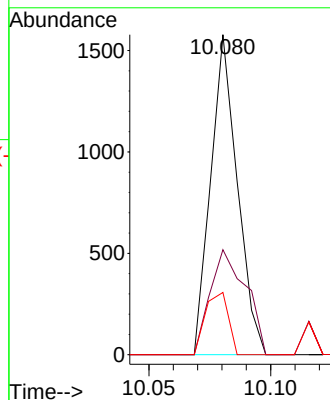
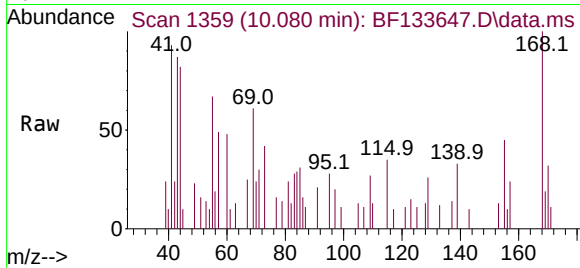




#55
Dibenzofuran
Concen: 245.190 ng
RT: 10.080 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

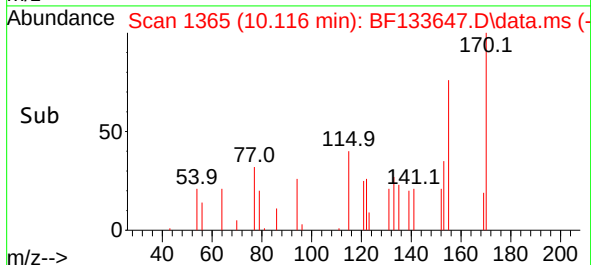
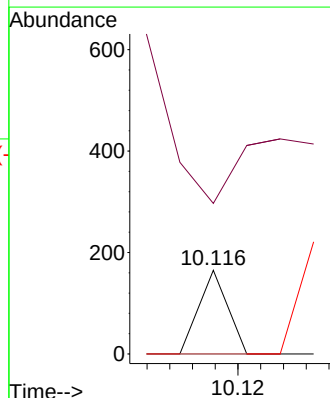
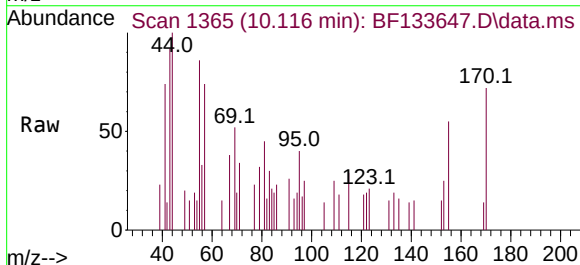
Instrument :
BNA_F
ClientSampleId :
TP-7

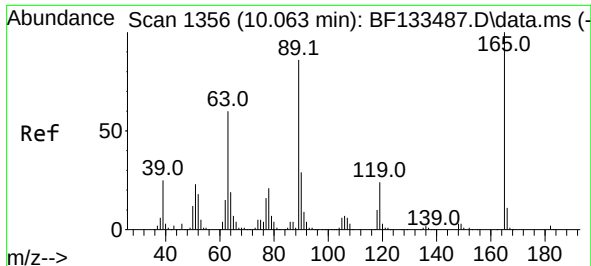
Tgt Ion:168 Resp: 1199
Ion Ratio Lower Upper
168 100
139 32.8 30.6 46.0
169 19.5 10.9 16.3#



#56
4-Nitrophenol
Concen: 89.322 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.129 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 180.0 54.5 94.5#
65 0.0 79.5 119.5#

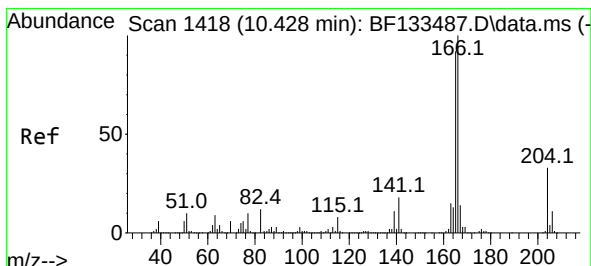
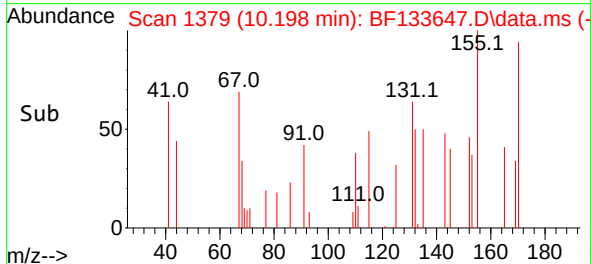
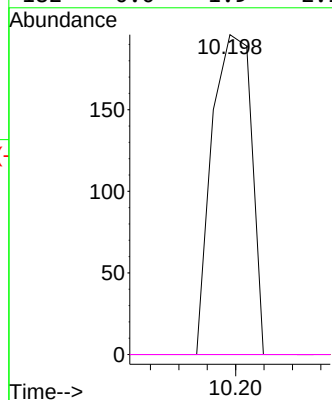
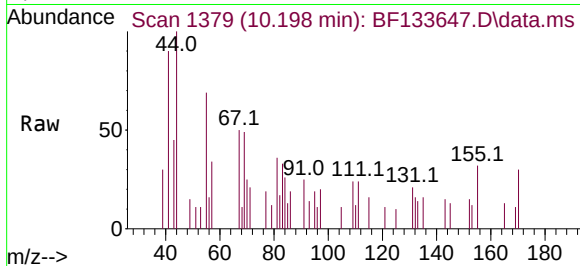




#57
2,4-Dinitrotoluene
Concen: 194.907 ng
RT: 10.198 min Scan# 11
Delta R.T. 0.129 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

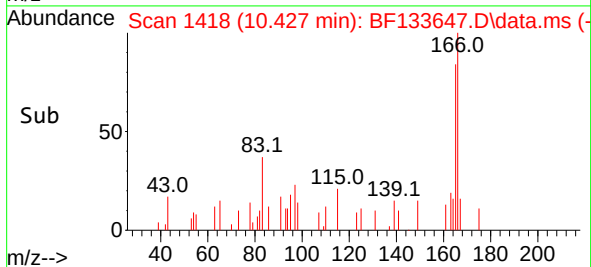
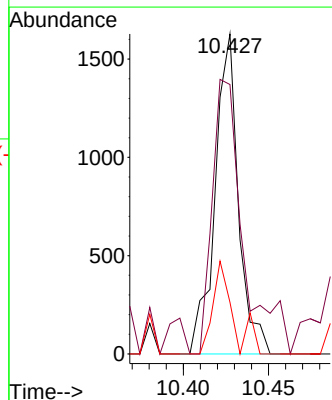
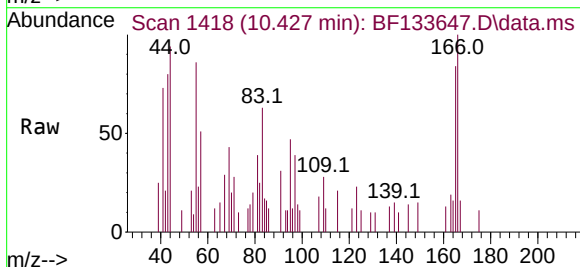
Instrument :
BNA_F
ClientSampleId :
TP-7

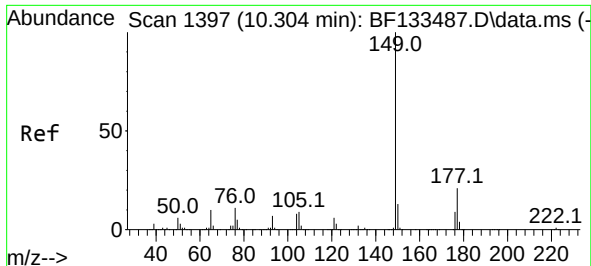
Tgt Ion:165 Resp: 189
Ion Ratio Lower Upper
165 100
63 0.0 48.1 72.1#
89 0.0 68.4 102.6#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 435.978 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

Tgt Ion:166 Resp: 1562
Ion Ratio Lower Upper
166 100
165 84.2 73.4 110.0
167 16.2 10.9 16.3

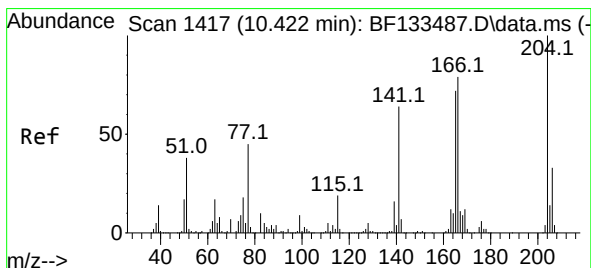
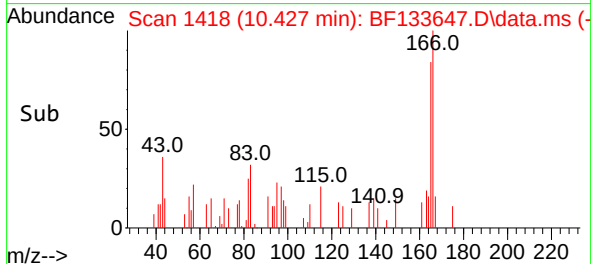
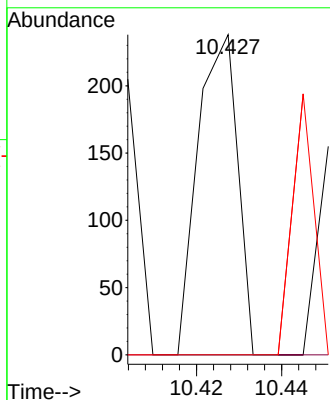
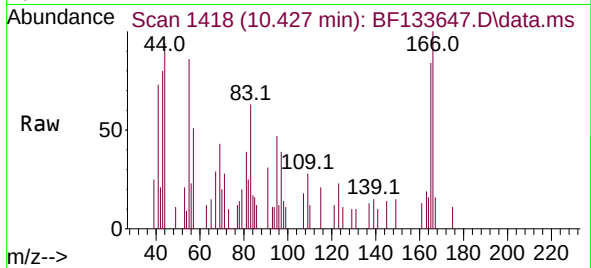




#60
Diethylphthalate
Concen: 39.087 ng
RT: 10.427 min Scan# 1449
Delta R.T. 0.123 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

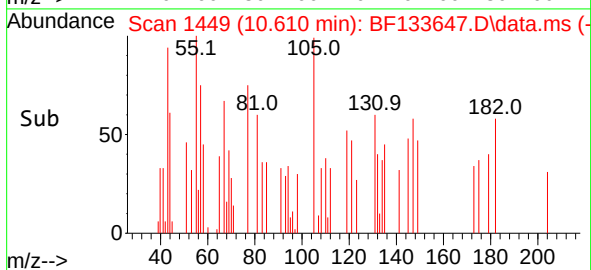
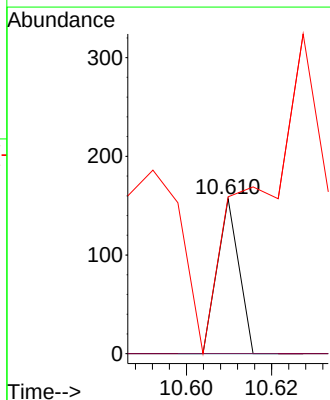
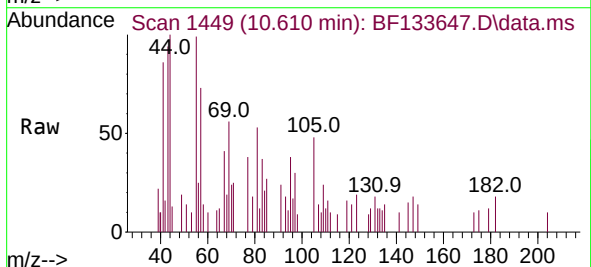
Instrument :
BNA_F
ClientSampleId :
TP-7

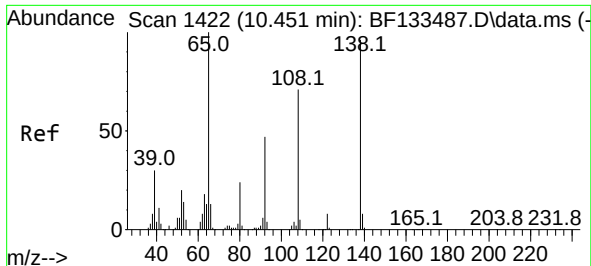
Tgt Ion:149 Resp: 154
Ion Ratio Lower Upper
149 100
177 0.0 17.1 25.7#
150 0.0 10.2 15.2#



#61
4-Chlorophenyl-phenylether
Concen: 31.971 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.188 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

Tgt Ion:204 Resp: 55
Ion Ratio Lower Upper
204 100
206 0.0 26.2 39.2#
141 101.3 51.4 77.2#

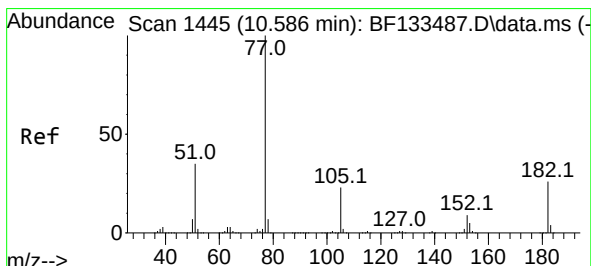
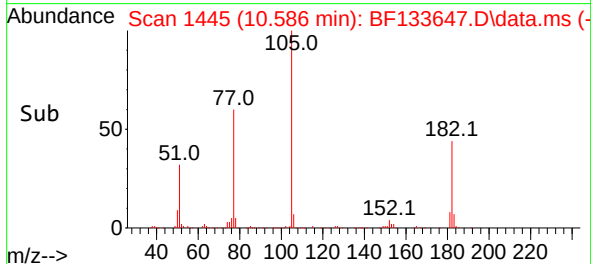
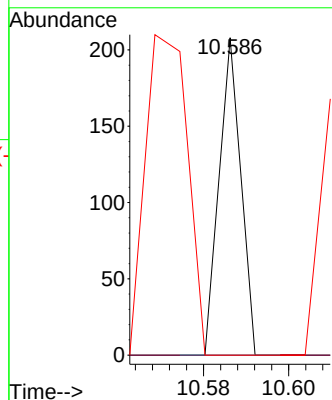
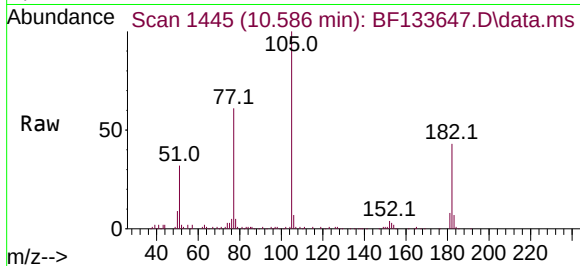




#62
4-Nitroaniline
Concen: 78.085 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.135 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

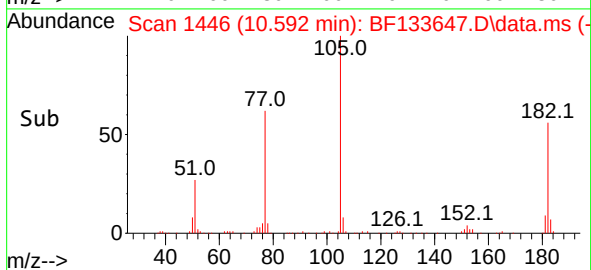
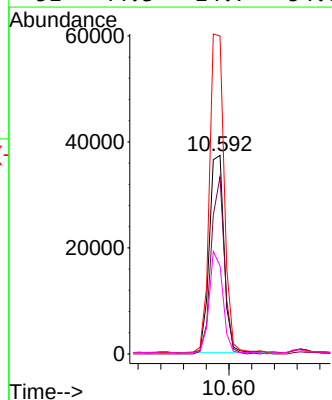
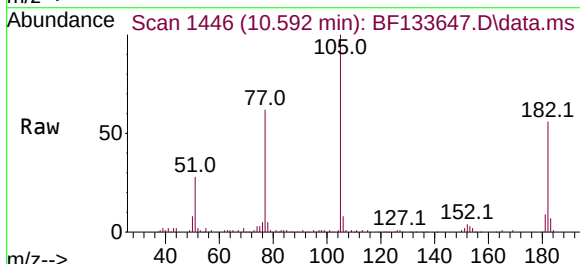
Instrument :
BNA_F
ClientSampleId :
TP-7

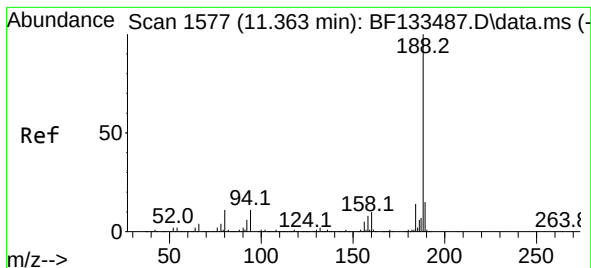
Tgt Ion:138 Resp: 73
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#63
Azobenzene
Concen: 8474.212 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.012 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

Tgt Ion: 77 Resp: 33421
Ion Ratio Lower Upper
77 100
182 89.3 5.6 45.6#
105 160.1 2.6 42.6#
51 44.3 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.521 min Scan# 1

Delta R.T. 0.153 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

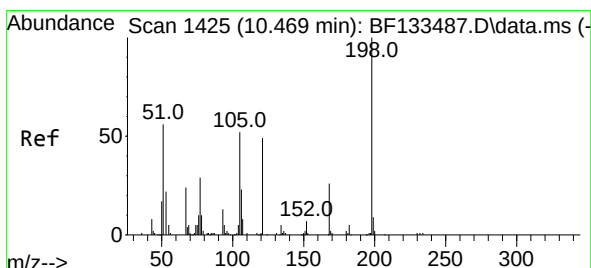
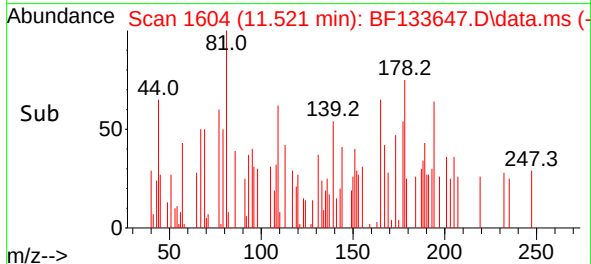
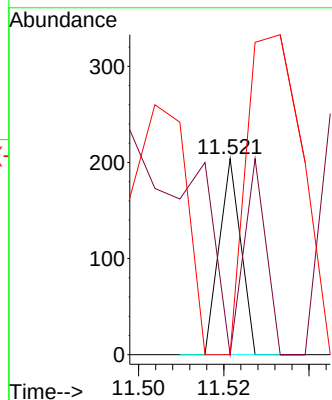
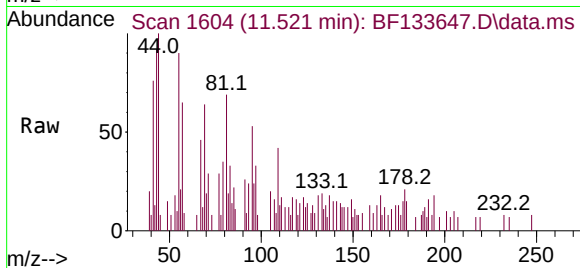
Tgt Ion:188 Resp: 72

Ion Ratio Lower Upper

188 100

94 0.0 8.6 12.8#

80 0.0 9.2 13.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 592.499 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.188 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

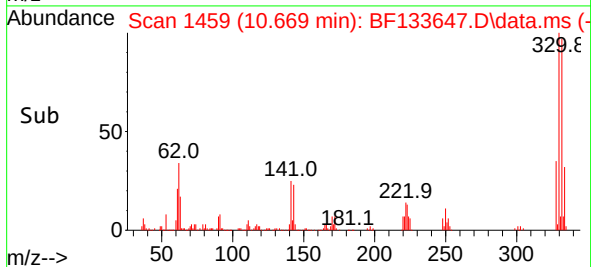
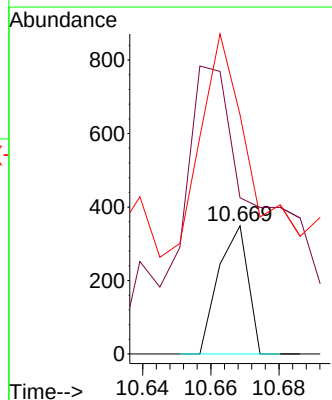
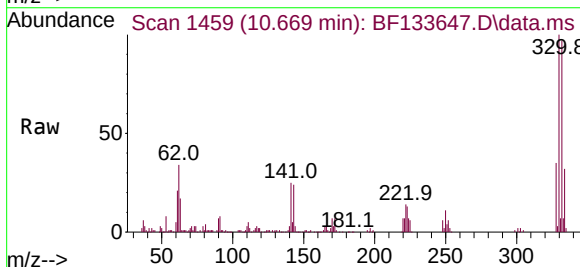
Tgt Ion:198 Resp: 210

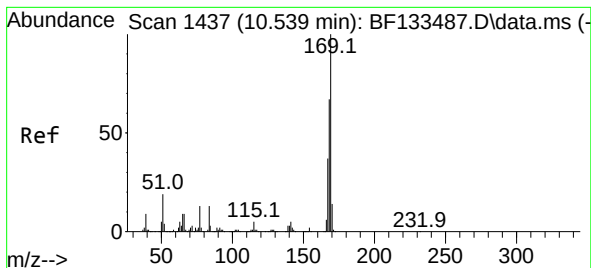
Ion Ratio Lower Upper

198 100

51 121.8 53.6 93.6#

105 186.5 35.9 75.9#





#66

n-Nitrosodiphenylamine

Concen: 1499.040 ng

RT: 10.663 min Scan# 1437

Delta R.T. 0.123 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

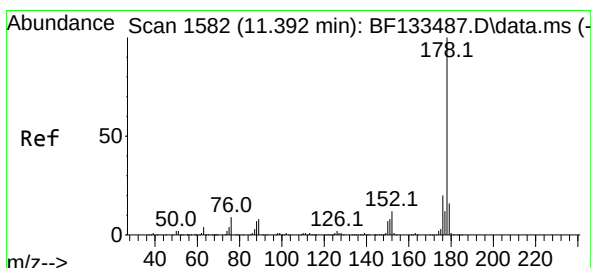
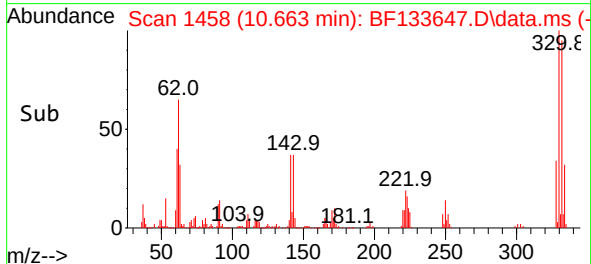
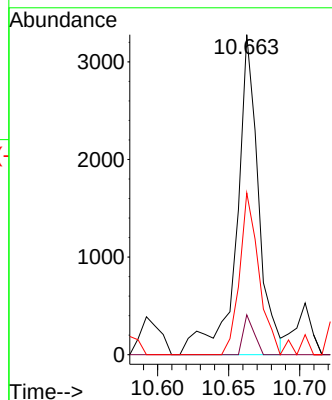
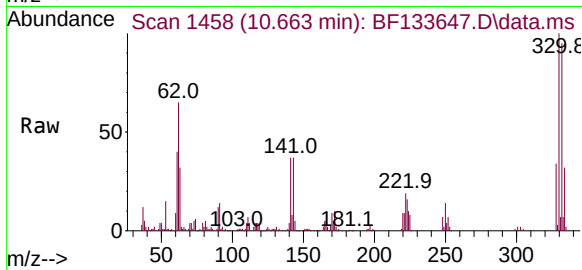
Tgt Ion:169 Resp: 3504

Ion Ratio Lower Upper

169 100

168 12.5 53.7 80.5#

167 50.6 29.6 44.4#



#71

Phenanthrene

Concen: 1365.329 ng

RT: 11.439 min Scan# 1590

Delta R.T. 0.047 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

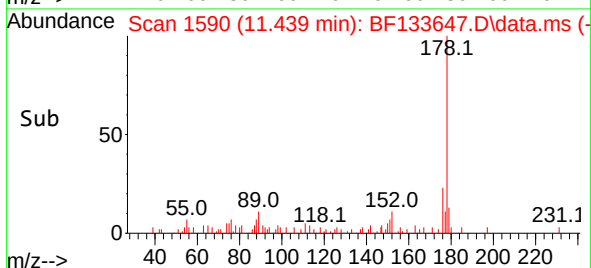
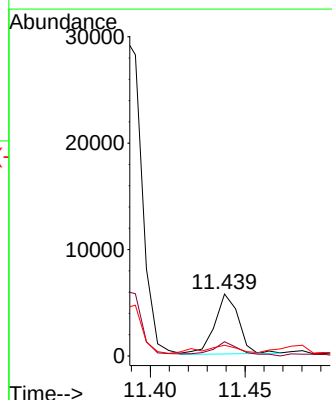
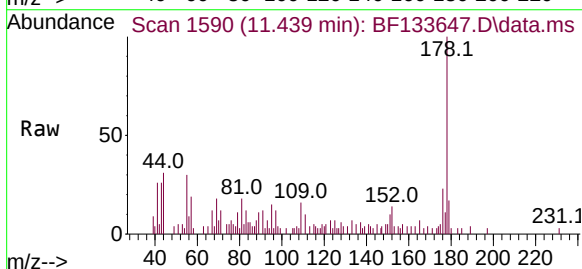
Tgt Ion:178 Resp: 4979

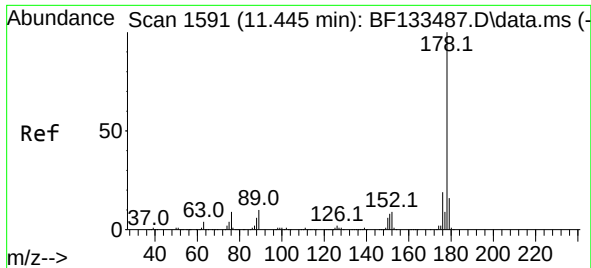
Ion Ratio Lower Upper

178 100

176 22.9 15.6 23.4

179 17.3 12.4 18.6

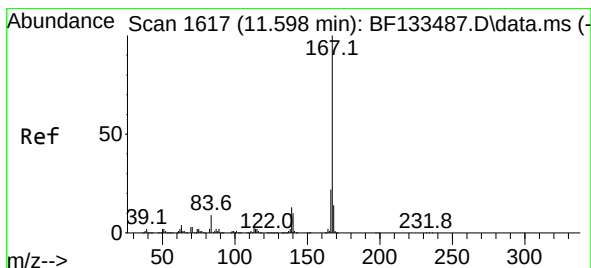
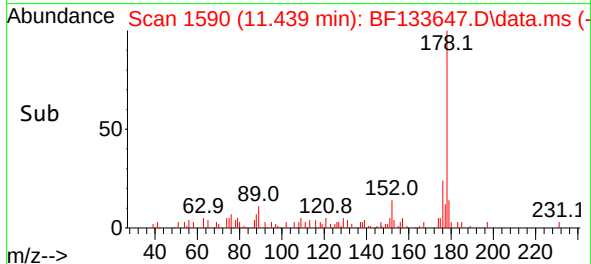
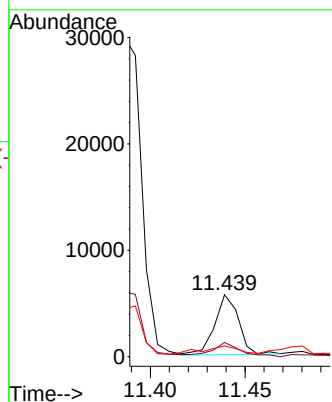
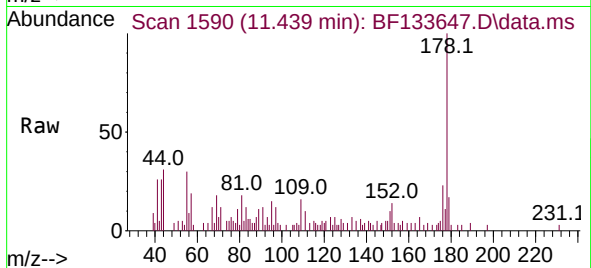




#72
 Anthracene
 Concen: 1326.605 ng
 RT: 11.439 min Scan# 1591
 Delta R.T. -0.006 min
 Lab File: BF133647.D
 Acq: 08 Jun 2023 18:13

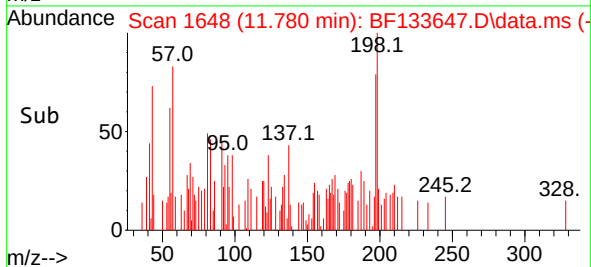
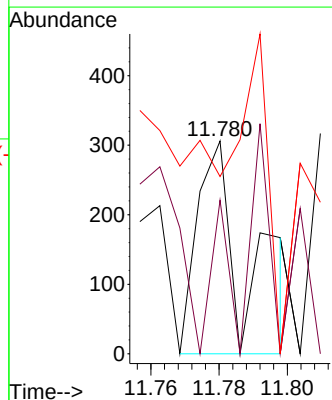
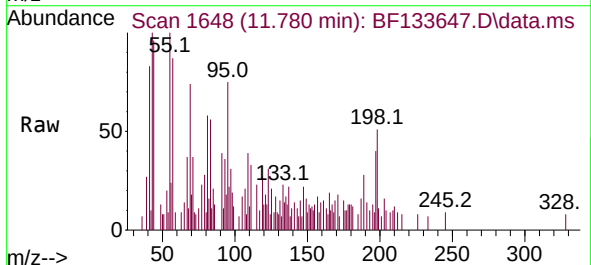
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

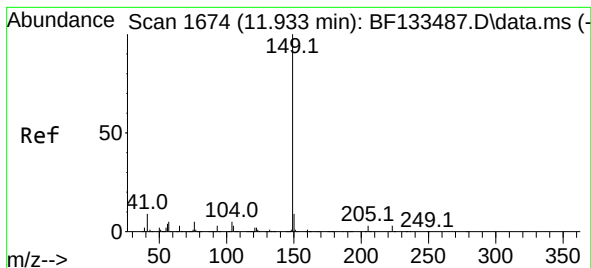
Tgt Ion:178 Resp: 4979
 Ion Ratio Lower Upper
 178 100
 176 22.9 15.3 22.9
 179 17.3 12.6 18.8



#73
 Carbazole
 Concen: 87.620 ng
 RT: 11.780 min Scan# 1648
 Delta R.T. 0.182 min
 Lab File: BF133647.D
 Acq: 08 Jun 2023 18:13

Tgt Ion:167 Resp: 311
 Ion Ratio Lower Upper
 167 100
 166 72.2 17.3 25.9#
 139 83.3 10.7 16.1#





#74

Di-n-butylphthalate

Concen: 60.518 ng

RT: 12.074 min Scan# 1

Delta R.T. 0.141 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

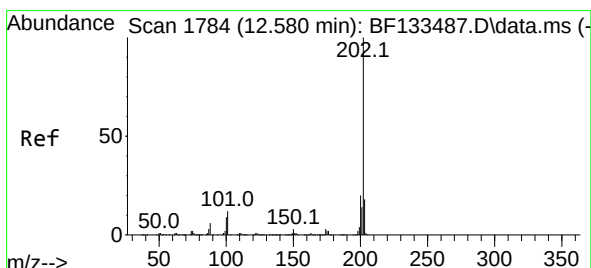
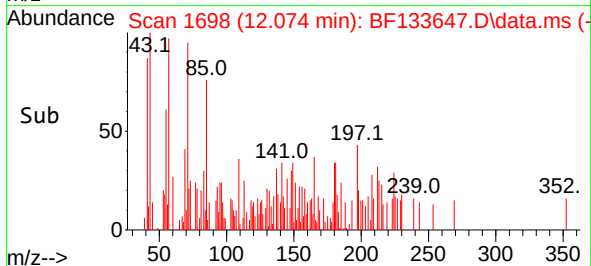
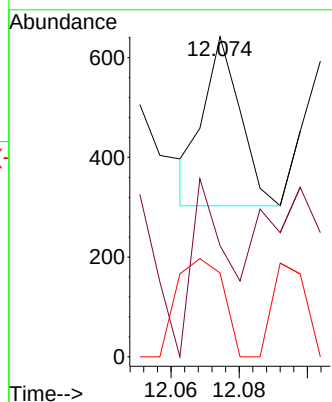
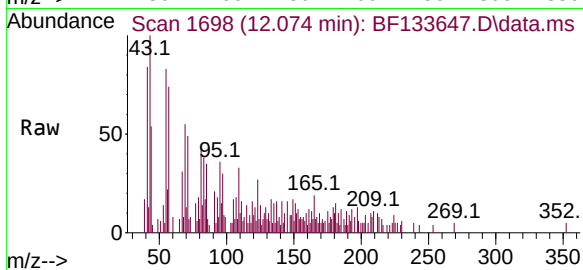
Tgt Ion:149 Resp: 254

Ion Ratio Lower Upper

149 100

150 34.7 7.4 11.2#

104 26.2 3.9 5.9#



#75

Fluoranthene

Concen: 12247.945 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.223 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

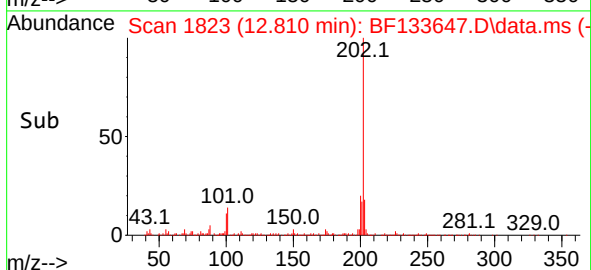
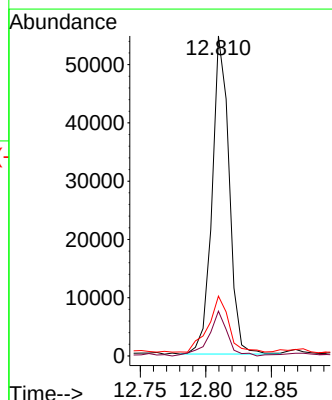
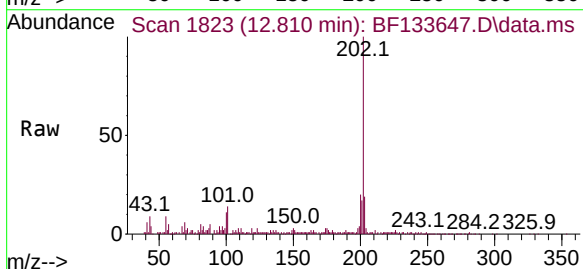
Tgt Ion:202 Resp: 49336

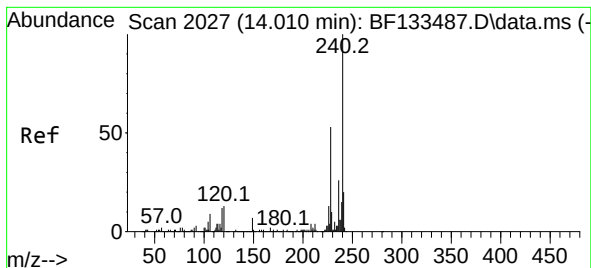
Ion Ratio Lower Upper

202 100

101 14.0 0.0 32.2

203 18.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.180 min Scan# 2027

Delta R.T. 0.165 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

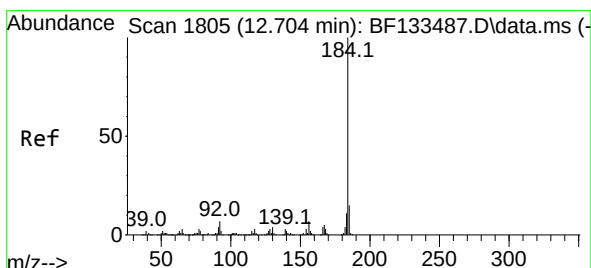
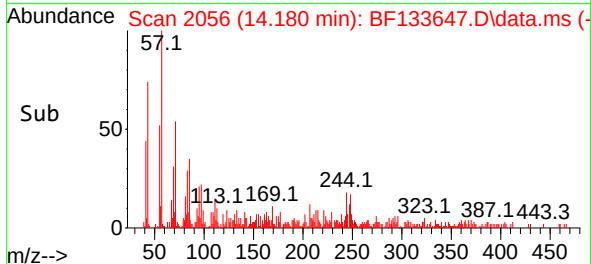
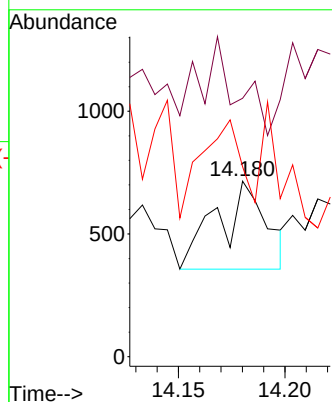
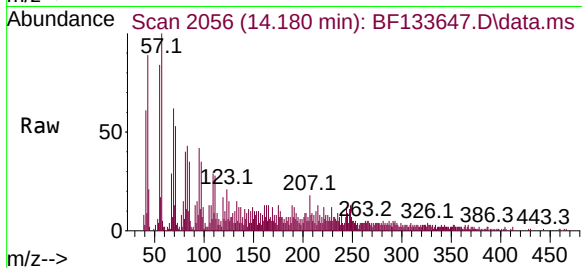
Instrument :

BNA_F

ClientSampleId :

TP-7

Tgt Ion:240	Resp:	575
Ion Ratio	Lower	Upper
240	100	
120	147.3	10.3 15.5#
236	108.3	20.5 30.7#



#77

Benzydine

Concen: 39.840 ng

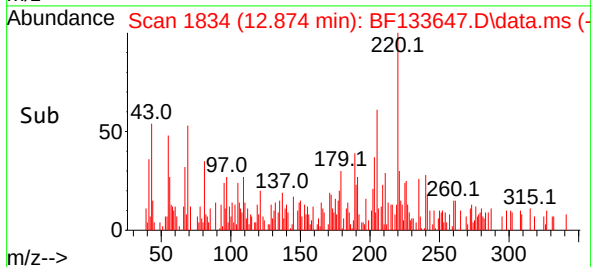
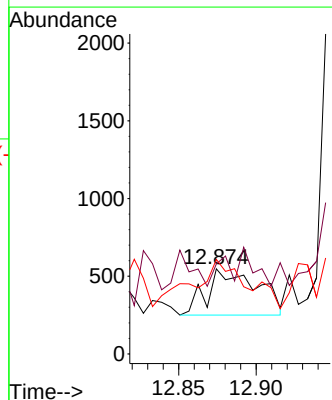
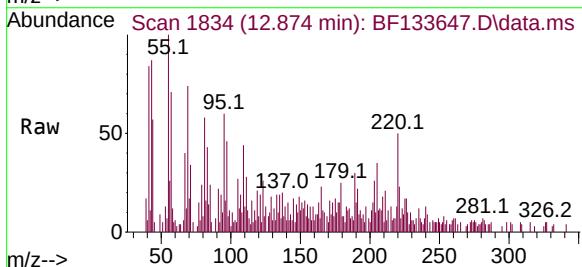
RT: 12.874 min Scan# 1834

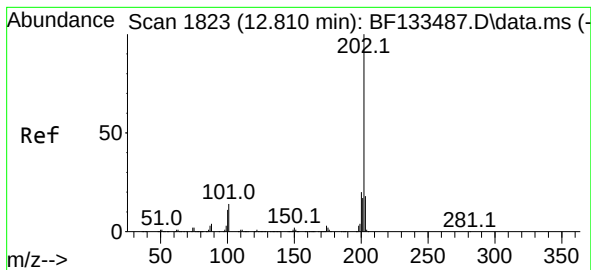
Delta R.T. 0.171 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Tgt Ion:184	Resp:	670
Ion Ratio	Lower	Upper
184	100	
185	105.7	12.2 18.2#
183	110.9	8.7 13.1#





#78

Pyrene

Concen: 1008.298 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

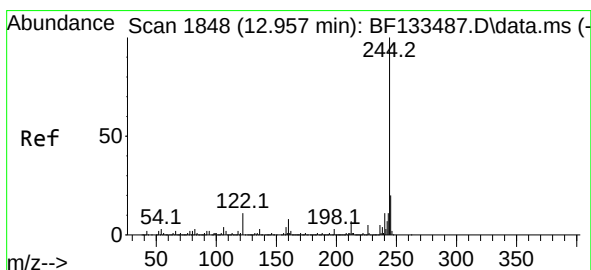
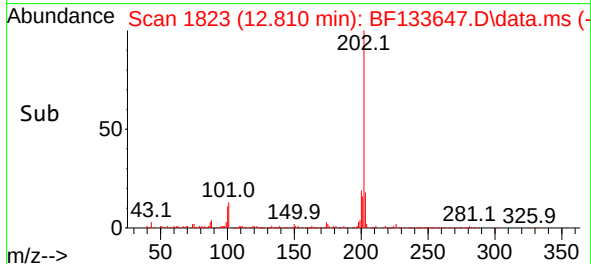
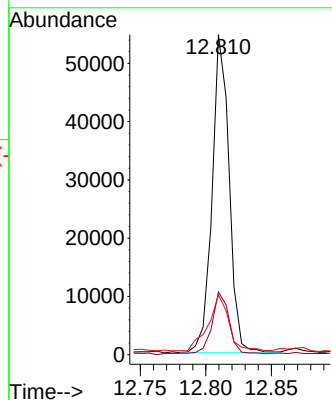
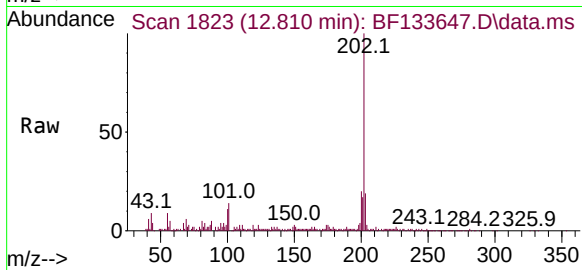
Tgt Ion:202 Resp: 49336

Ion Ratio Lower Upper

202 100

200 19.6 16.3 24.5

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 12695.489 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.000 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

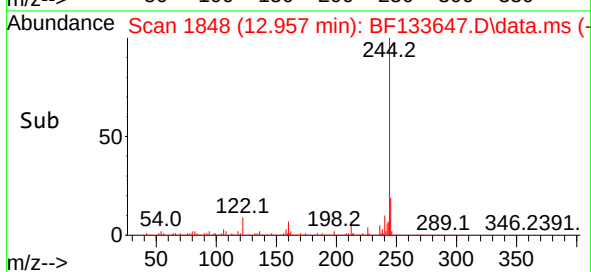
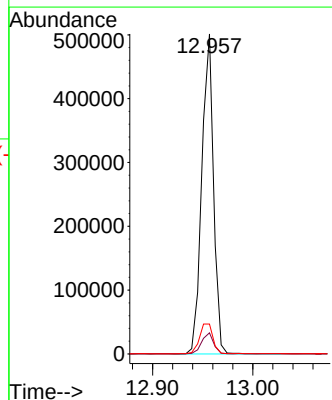
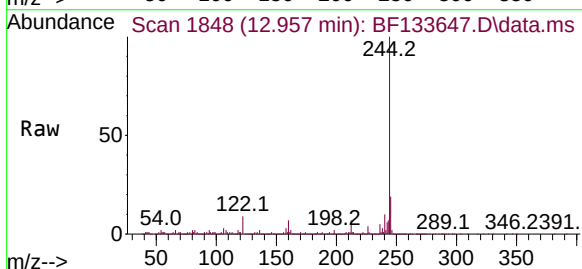
Tgt Ion:244 Resp: 410572

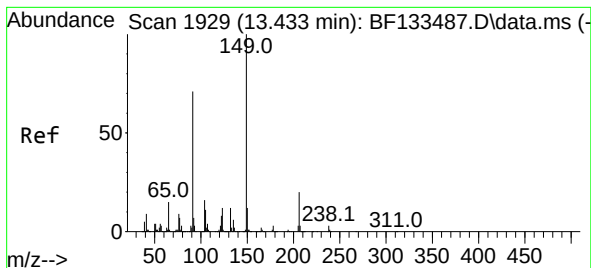
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 9.4 8.5 12.7





#80

Butylbenzylphthalate

Concen: 44.268 ng

RT: 13.563 min Scan# 1929

Delta R.T. 0.129 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

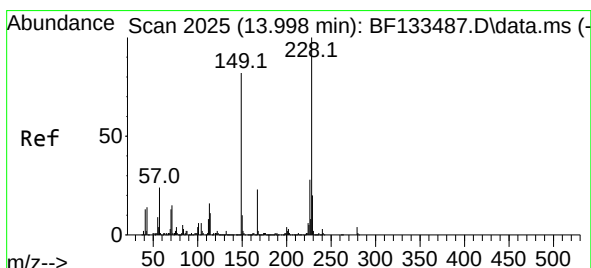
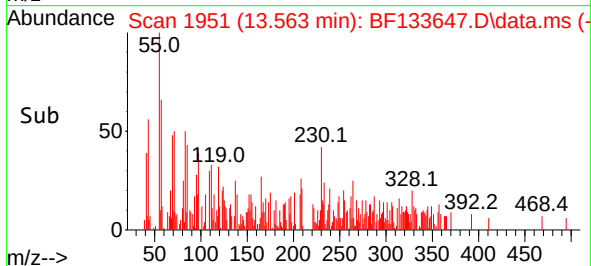
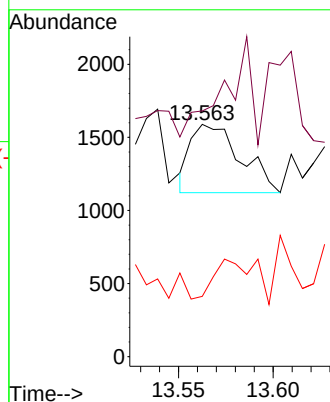
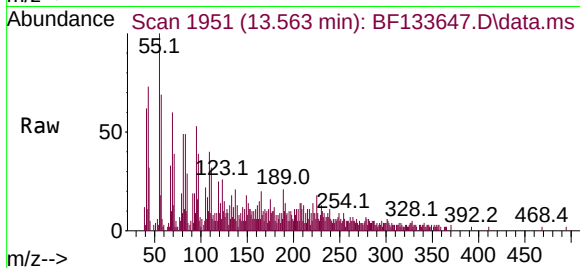
Tgt Ion:149 Resp: 857

Ion Ratio Lower Upper

149 100

91 105.8 56.9 85.3#

206 25.9 15.7 23.5#



#81

Benzo(a)anthracene

Concen: 428.356 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

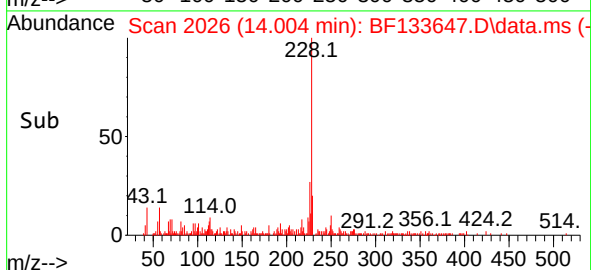
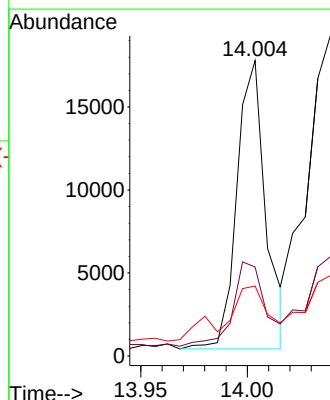
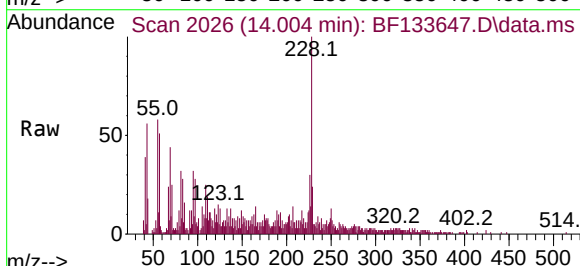
Tgt Ion:228 Resp: 16408

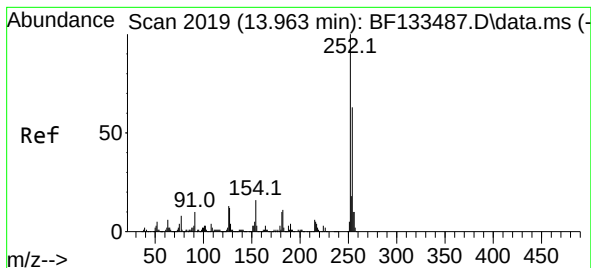
Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

229 23.7 16.1 24.1





#82

3,3'-Dichlorobenzidine

Concen: 39.418 ng

RT: 14.133 min Scan# 2019

Delta R.T. 0.165 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

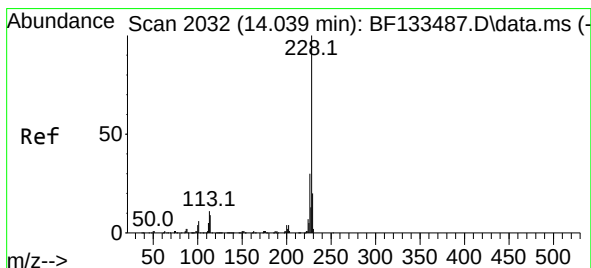
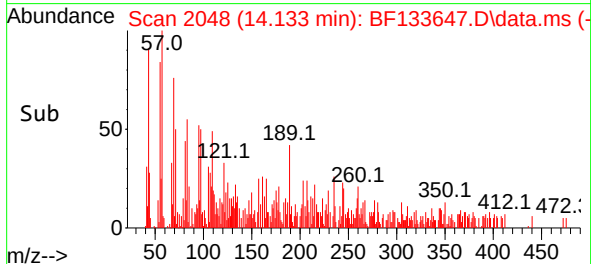
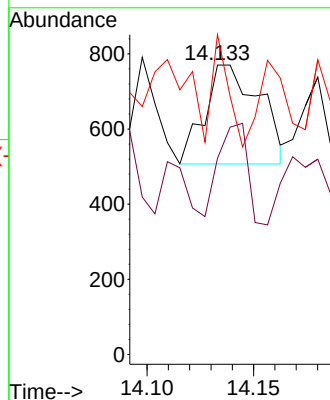
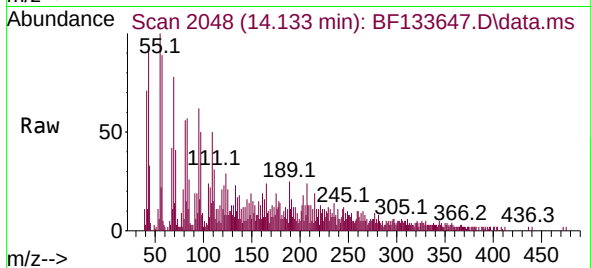
Instrument :

BNA_F

ClientSampleId :

TP-7

Tgt Ion:252	Resp:	472
Ion Ratio	Lower	Upper
252	100	
254	67.8	50.3 75.5
126	110.5	10.5 15.7#



#83

Chrysene

Concen: 424.319 ng

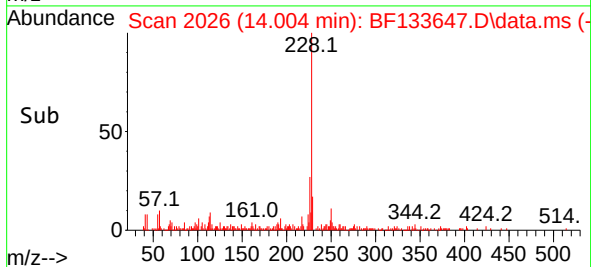
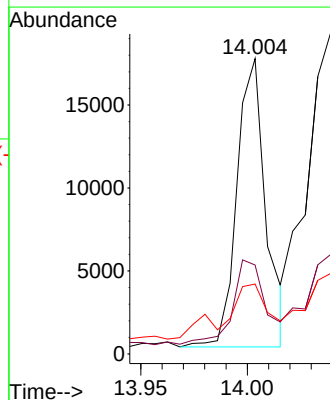
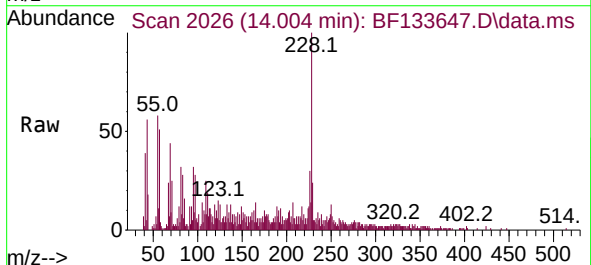
RT: 14.004 min Scan# 2026

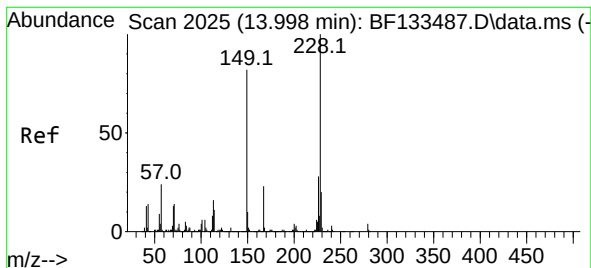
Delta R.T. -0.041 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Tgt Ion:228	Resp:	16408
Ion Ratio	Lower	Upper
228	100	
226	30.1	24.1 36.1
229	23.7	15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.009 ng

RT: 14.168 min Scan# 2054

Delta R.T. 0.176 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

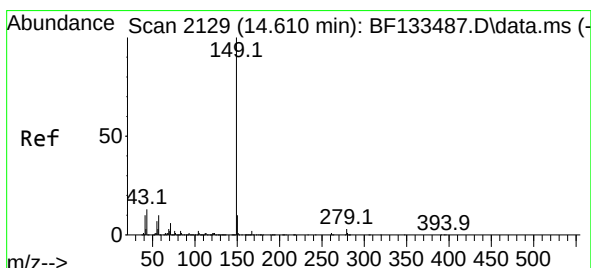
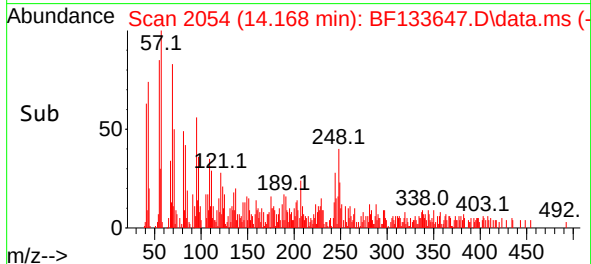
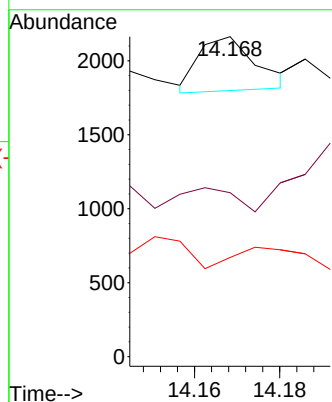
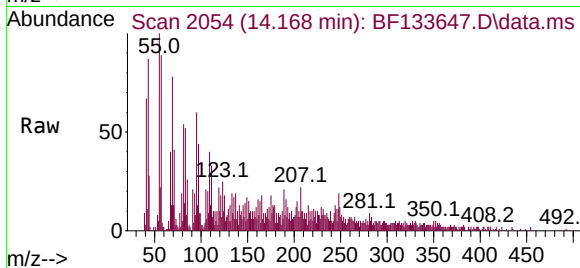
Tgt Ion:149 Resp: 339

Ion Ratio Lower Upper

149 100

167 51.2 22.0 33.0#

279 31.0 3.6 5.4#



#85

Di-n-octyl phthalate

Concen: 21.334 ng

RT: 14.786 min Scan# 2159

Delta R.T. 0.176 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

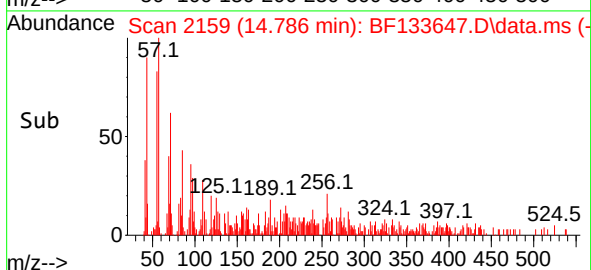
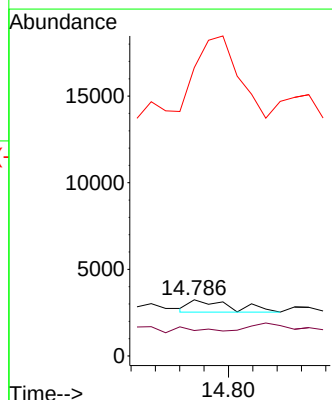
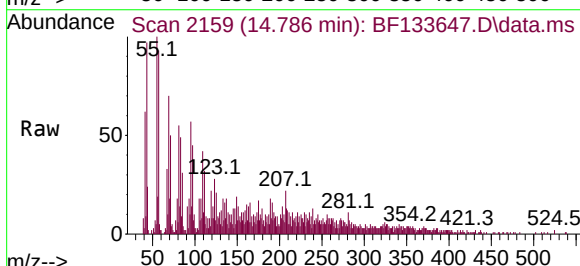
Tgt Ion:149 Resp: 860

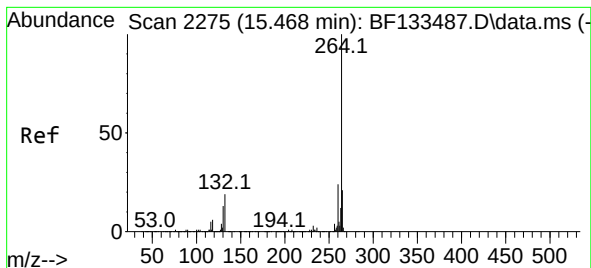
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 733.6 10.0 15.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.662 min Scan# 21

Delta R.T. 0.182 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

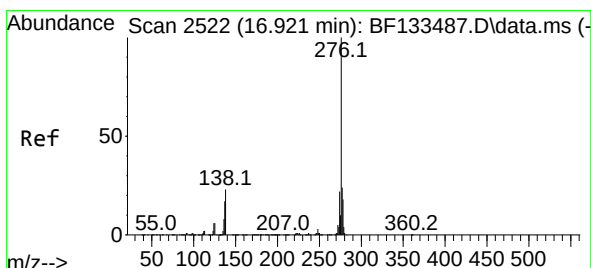
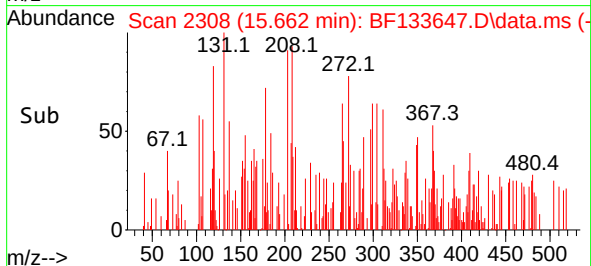
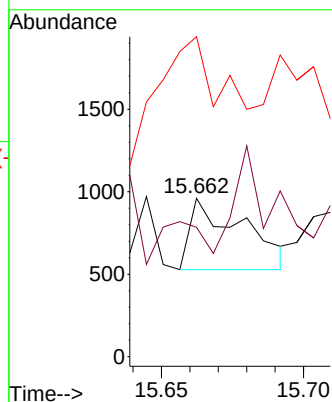
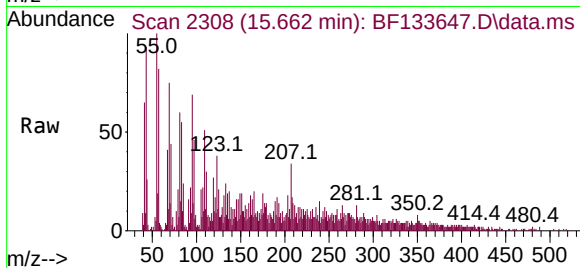
Tgt Ion:264 Resp: 557

Ion Ratio Lower Upper

264 100

260 81.8 19.0 28.4#

265 202.1 16.8 25.2#



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.878 ng

RT: 17.133 min Scan# 2558

Delta R.T. 0.188 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

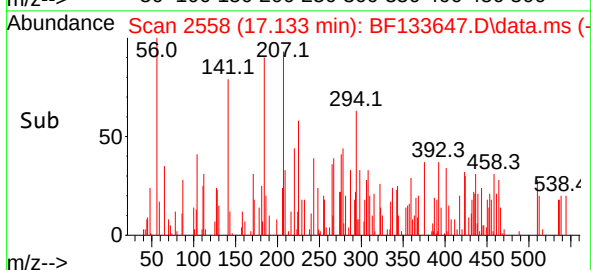
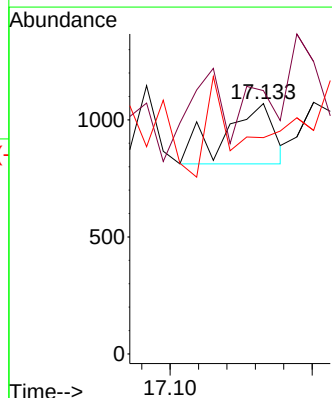
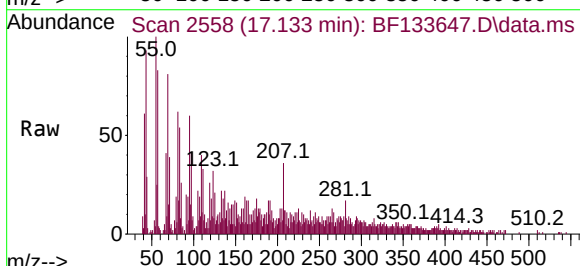
Tgt Ion:276 Resp: 315

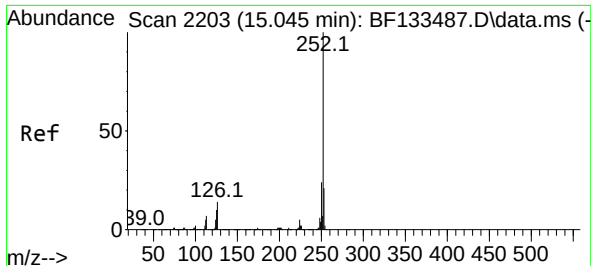
Ion Ratio Lower Upper

276 100

138 113.0 21.4 32.2#

277 99.0 20.0 30.0#

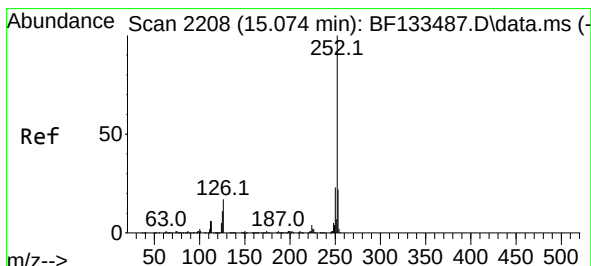
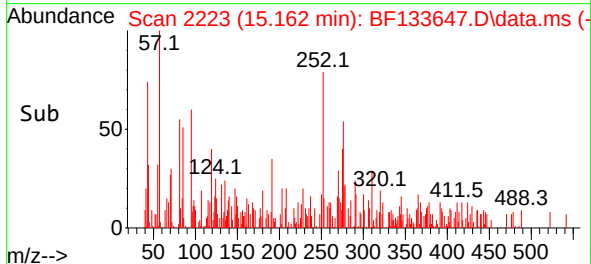
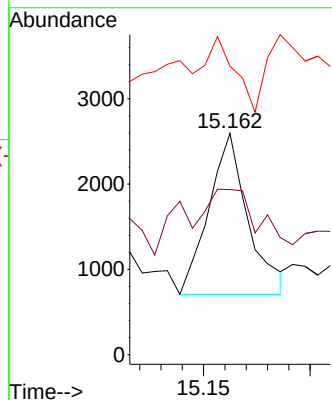
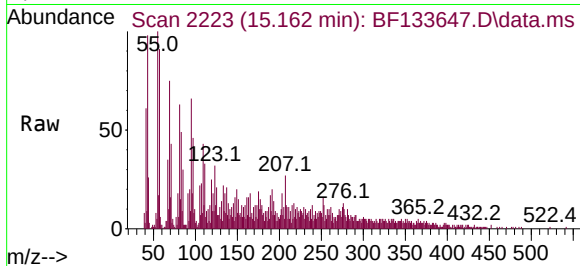




#88
Benzo(b)fluoranthene
Concen: 66.418 ng
RT: 15.162 min Scan# 2111
Delta R.T. 0.112 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

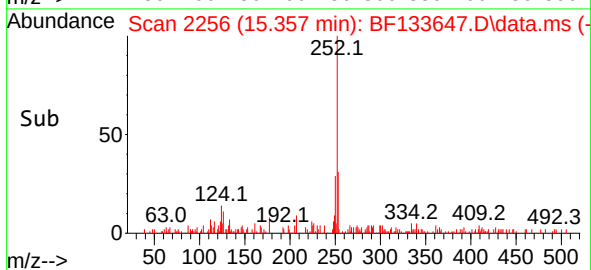
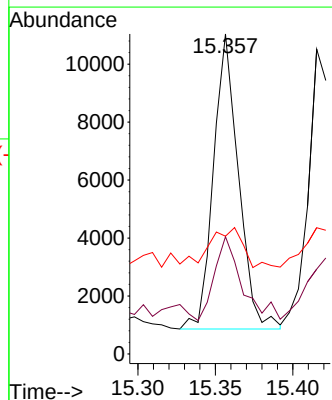
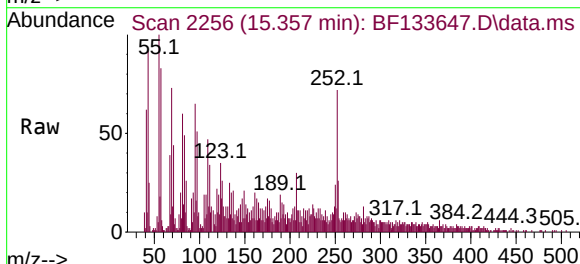
Instrument :
BNA_F
ClientSampleId :
TP-7

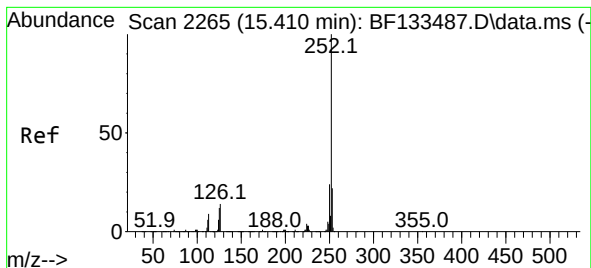
Tgt Ion:252 Resp: 2409
Ion Ratio Lower Upper
252 100
253 74.6 17.2 25.8#
125 130.3 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 323.558 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.271 min
Lab File: BF133647.D
Acq: 08 Jun 2023 18:13

Tgt Ion:252 Resp: 11443
Ion Ratio Lower Upper
252 100
253 36.7 17.4 26.2#
125 36.8 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 17.513 ng

RT: 15.662 min Scan# 21

Delta R.T. 0.247 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7

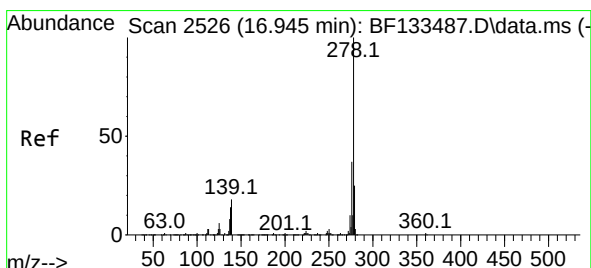
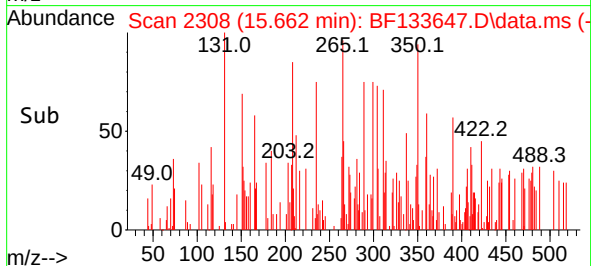
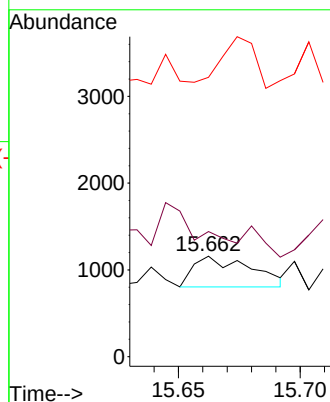
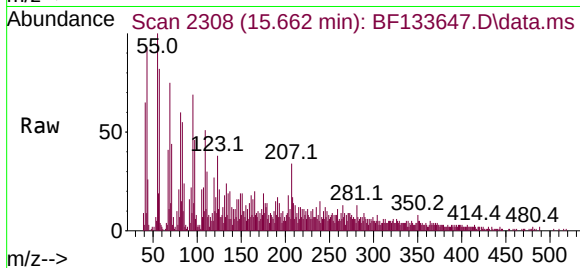
Tgt Ion:252 Resp: 578

Ion Ratio Lower Upper

252 100

253 124.5 17.4 26.0#

125 278.1 9.4 14.0#



#91

Dibenzo(a,h)anthracene

Concen: 47.764 ng

RT: 17.192 min Scan# 2568

Delta R.T. 0.223 min

Lab File: BF133647.D

Acq: 08 Jun 2023 18:13

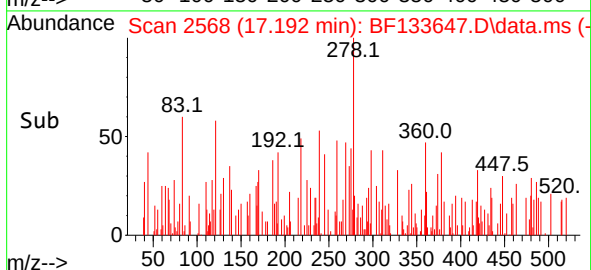
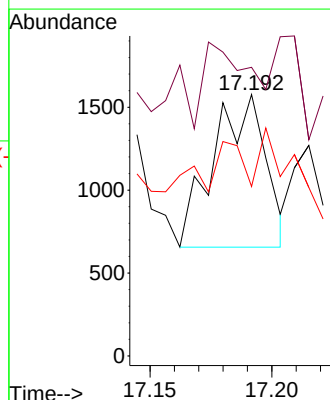
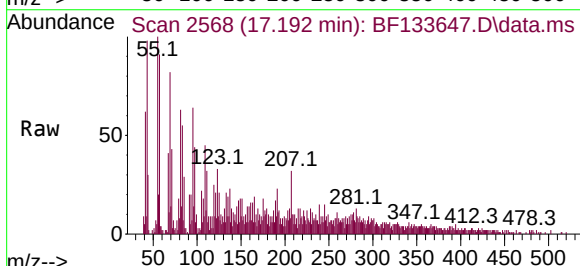
Tgt Ion:278 Resp: 1374

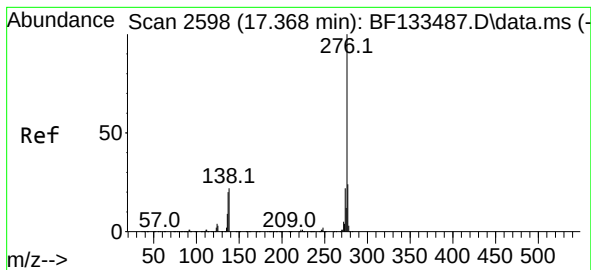
Ion Ratio Lower Upper

278 100

139 110.4 14.1 21.1#

279 64.8 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 29.959 ng

RT: 17.627 min Scan# 20

Delta R.T. 0.235 min

Lab File: BF133647.D

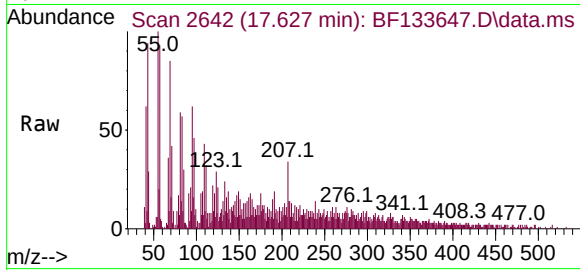
Acq: 08 Jun 2023 18:13

Instrument :

BNA_F

ClientSampleId :

TP-7



Tgt Ion:276 Resp: 869

Ion Ratio Lower Upper

276 100

277 74.1 18.8 28.2#

138 47.4 17.8 26.6#

