

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139193.D
 Acq On : 27 Aug 2024 18:23
 Operator : RC/JU
 Sample : P3739-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Aug 28 00:48:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 02:51:47 2024
 Response via : Initial Calibration

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

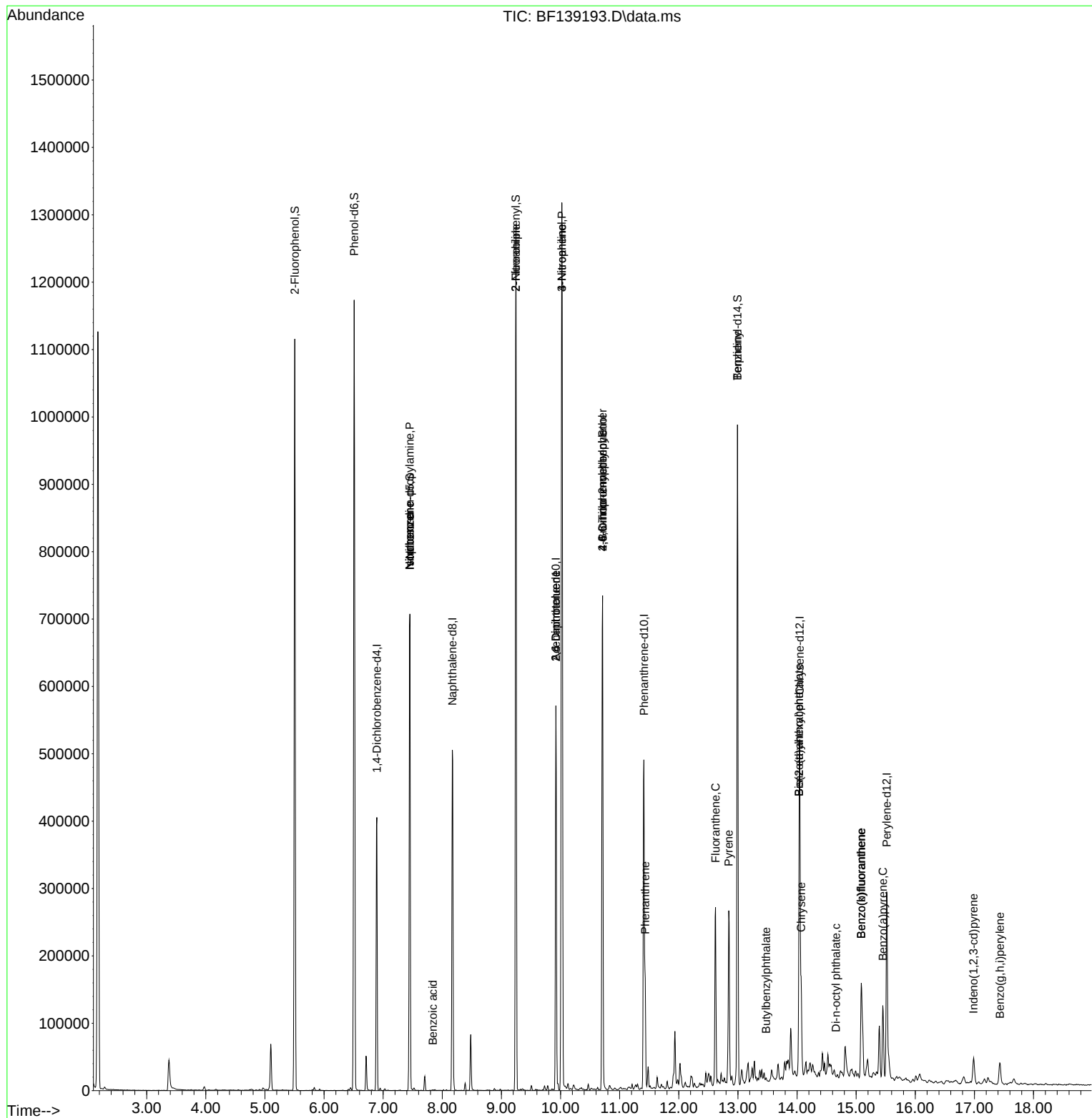
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	79119	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	295611	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	159548	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	250371	20.000	ng	0.00
76) Chrysene-d12	14.045	240	183130	20.000	ng	0.00
86) Perylene-d12	15.516	264	159035	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	370786	78.749	ng	0.00
7) Phenol-d6	6.510	99	511227	79.114	ng	-0.01
23) Nitrobenzene-d5	7.451	82	313721	58.794	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	110616	80.951	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	522632	50.883	ng	0.00
79) Terphenyl-d14	12.992	244	452421	38.548	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.451	70	42458	10.986	ng	# 78
24) Nitrobenzene	7.451	77	1007	3.406	ng	# 39
25) Isophorone	7.451	82	313271	29.688	ng	# 68
32) Benzoic acid	7.840	122	306	9.610	ng	# 83
48) 2-Nitroaniline	9.245	65	894	6.069	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	20708	14.557	ng	# 15
53) 3-Nitroaniline	10.022	138	12620	10.131	ng	# 1
56) 4-Nitrophenol	10.022	139	1500	5.993	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	20708	13.183	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.710	198	133	7.015	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	8272	3.109	ng	# 1
71) Phenanthrene	11.433	178	82834	6.547	ng	98
75) Fluoranthene	12.622	202	147481	12.012	ng	99
77) Benzidine	12.992	184	6277	2.031	ng	# 93
78) Pyrene	12.845	202	146448	8.513	ng	99
80) Butylbenzylphthalate	13.474	149	250	4.541	ng	# 19
81) Benzo(a)anthracene	14.033	228	88261	7.274	ng	96
83) Chrysene	14.069	228	72429	6.617	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	499	3.284	ng	# 81
85) Di-n-octyl phthalate	14.657	149	904	9.043	ng	# 72
87) Indeno(1,2,3-cd)pyrene	16.986	276	30542	2.809	ng	96
88) Benzo(b)fluoranthene	15.086	252	121545	13.065	ng	99
89) Benzo(k)fluoranthene	15.086	252	121545	14.451	ng	98
90) Benzo(a)pyrene	15.451	252	63115	7.993	ng	97
92) Benzo(g,h,i)perylene	17.433	276	29225	3.170	ng	97

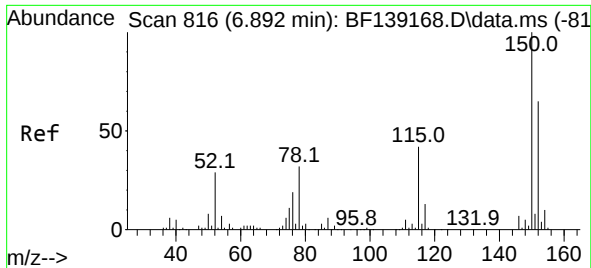
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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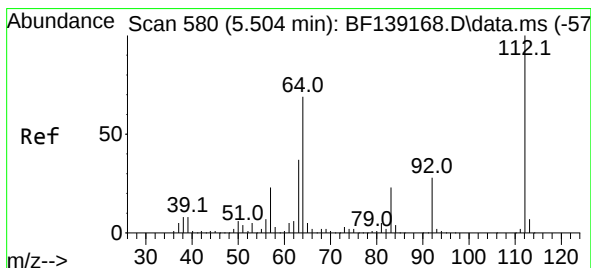
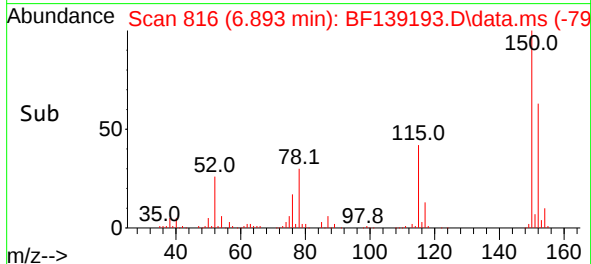
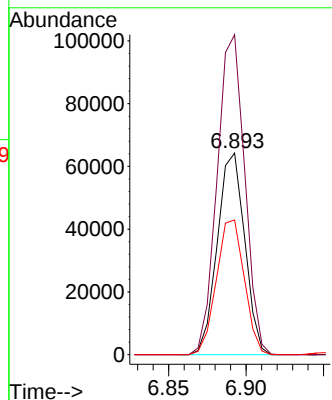
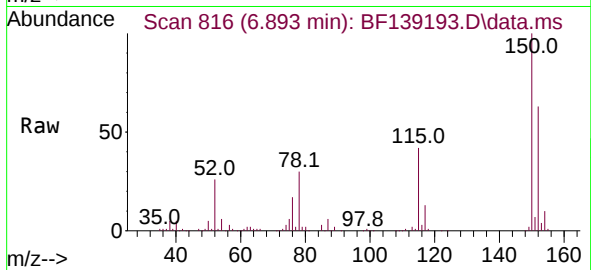




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

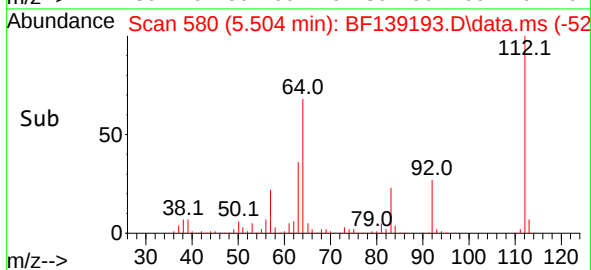
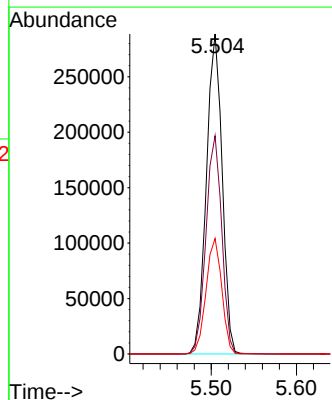
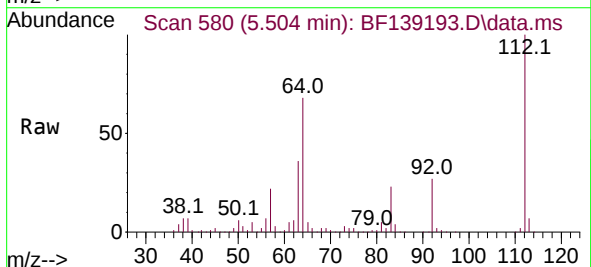
Instrument :
BNA_F
ClientSampleId :
WC-1

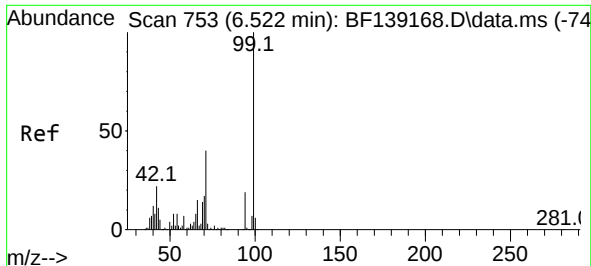
Tgt Ion:152 Resp: 79119
Ion Ratio Lower Upper
152 100
150 158.7 123.7 185.5
115 66.8 51.8 77.8



#5
2-Fluorophenol
Concen: 78.749 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:112 Resp: 370786
Ion Ratio Lower Upper
112 100
64 68.2 55.5 83.3
63 36.1 29.8 44.6

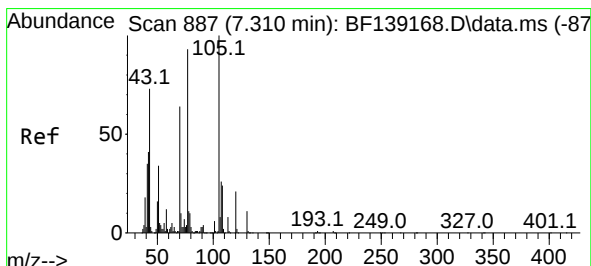
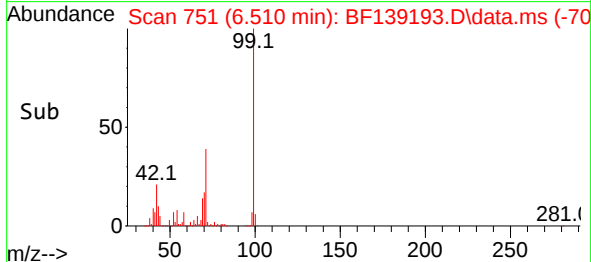
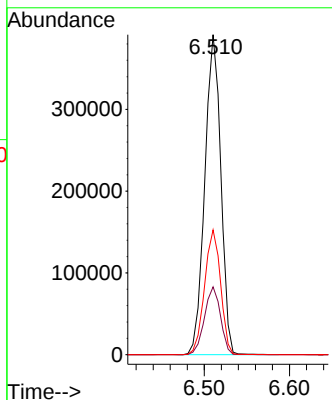
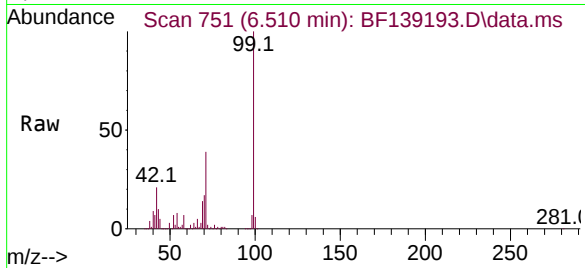




#7
Phenol-d6
Concen: 79.114 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

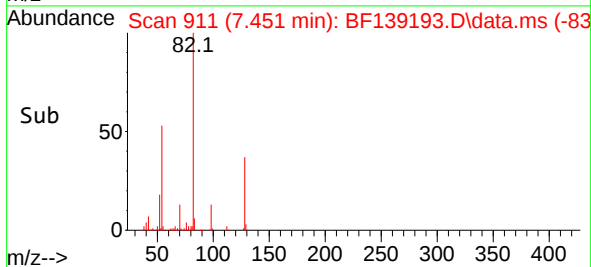
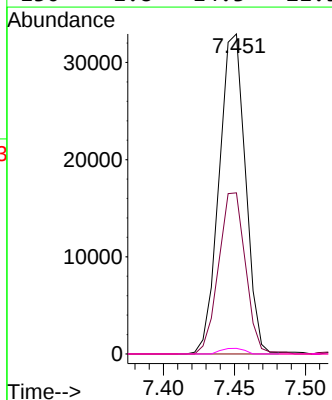
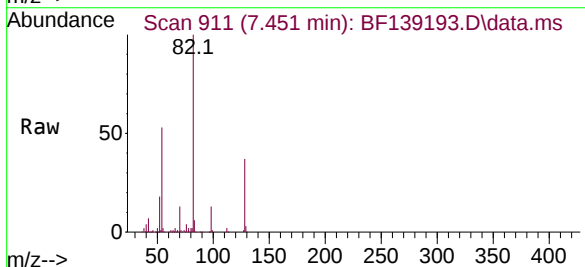
Instrument :
BNA_F
ClientSampleId :
WC-1

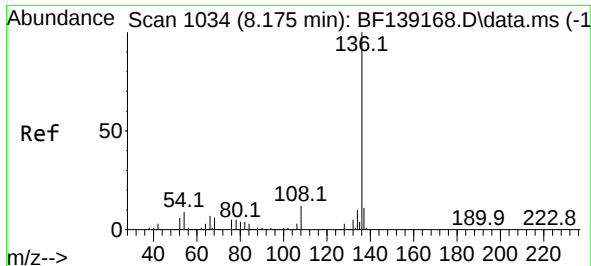
Tgt Ion: 99 Resp: 511227
Ion Ratio Lower Upper
99 100
42 21.2 17.9 26.9
71 39.0 31.7 47.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.986 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion: 70 Resp: 42458
Ion Ratio Lower Upper
70 100
42 50.4 50.8 76.2#
101 0.0 7.4 11.0#
130 1.8 14.3 21.5#

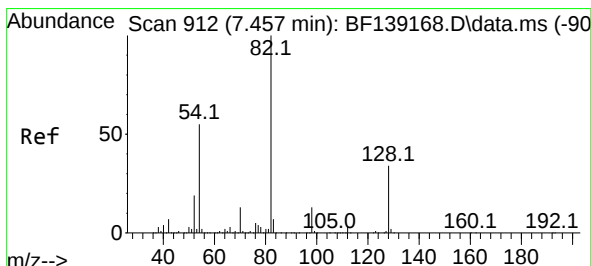
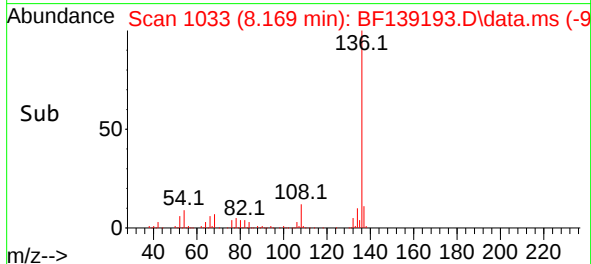
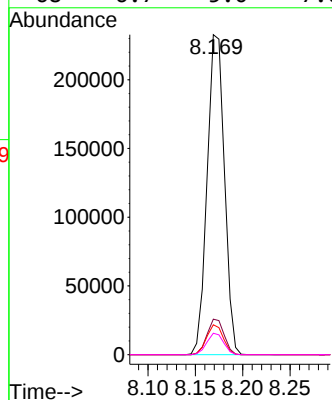
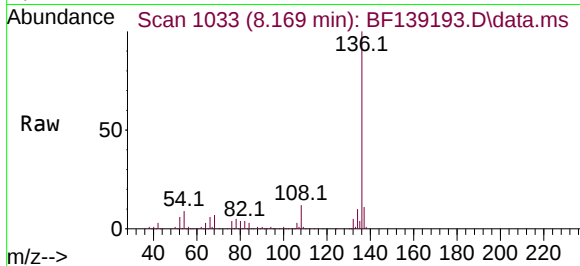




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

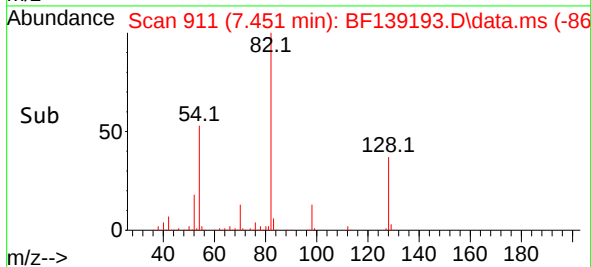
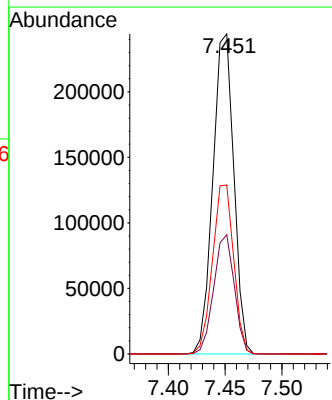
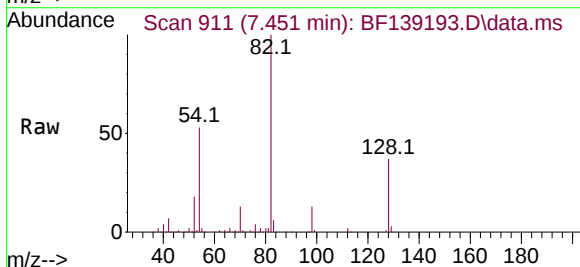
Instrument :
BNA_F
ClientSampleId :
WC-1

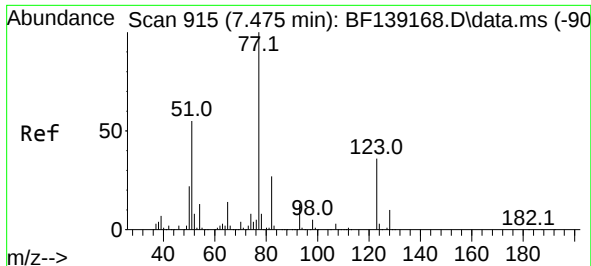
Tgt Ion:	136	Resp:	295611
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.4	7.6	11.4
68	6.7	5.0	7.6



#23
Nitrobenzene-d5
Concen: 58.794 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:	82	Resp:	313721
Ion	Ratio	Lower	Upper
82	100		
128	37.3	27.1	40.7
54	52.8	44.2	66.4

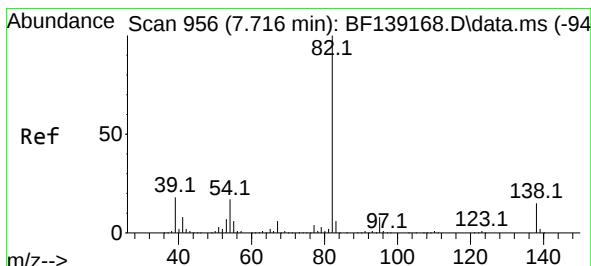
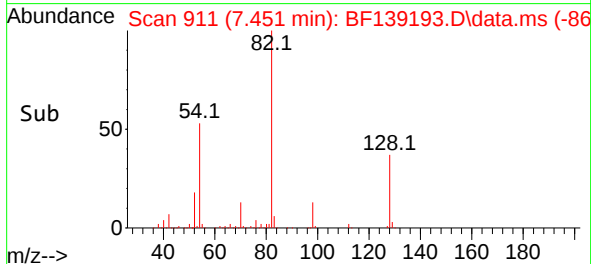
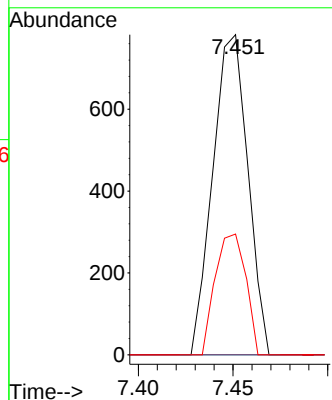
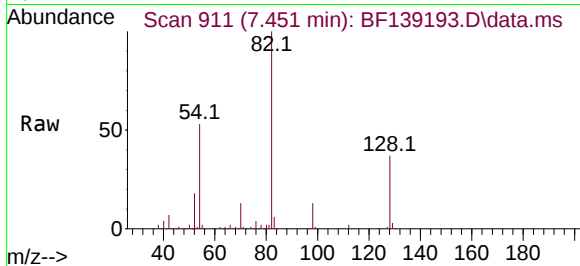




#24
Nitrobenzene
Concen: 3.406 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.024 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

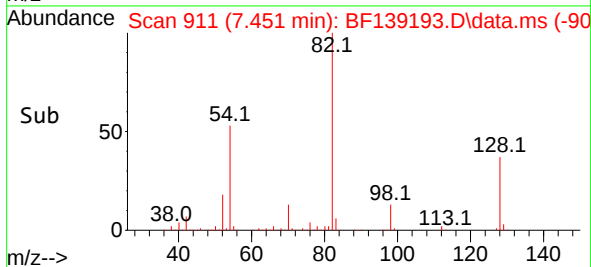
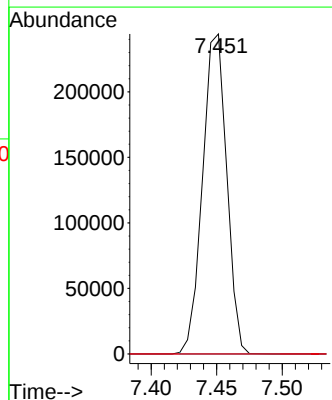
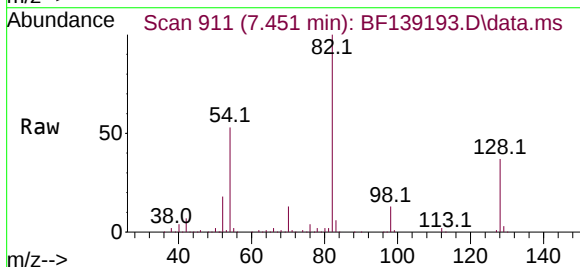
Instrument :
BNA_F
ClientSampleId :
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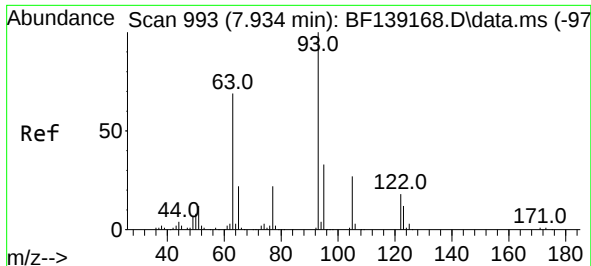
Tgt Ion: 77 Resp: 1007
Ion Ratio Lower Upper
77 100
123 0.0 28.7 43.1#
65 37.7 10.9 16.3#



#25
Isophorone
Concen: 29.688 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion: 82 Resp: 313271
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 12.2 18.4#

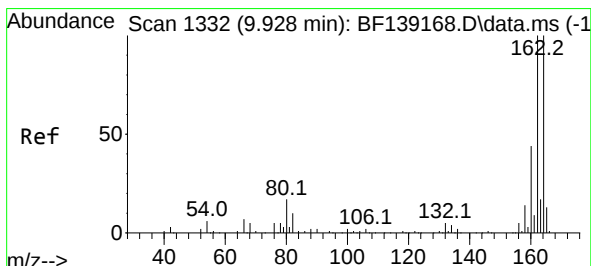
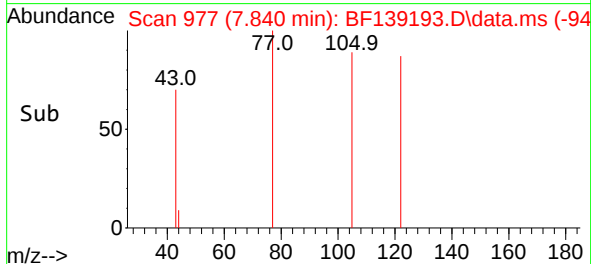
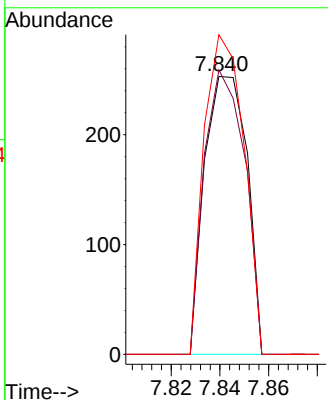
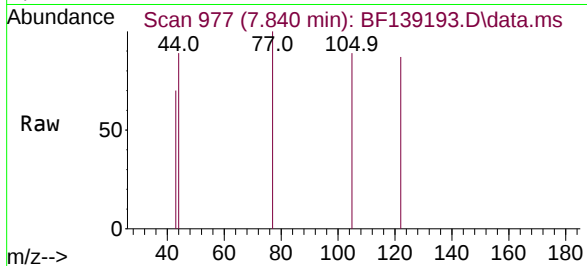




#32
Benzoic acid
Concen: 9.610 ng
RT: 7.840 min Scan# 91
Delta R.T. -0.094 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

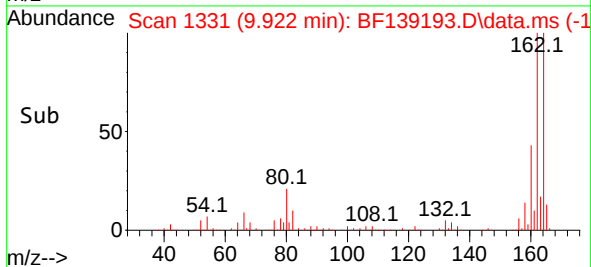
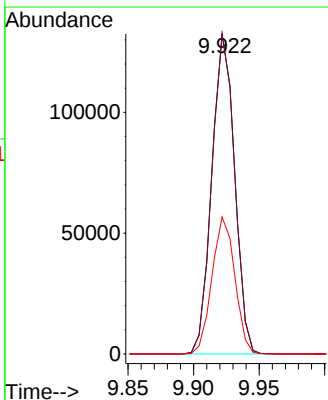
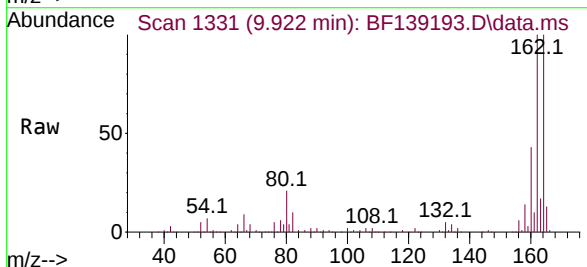
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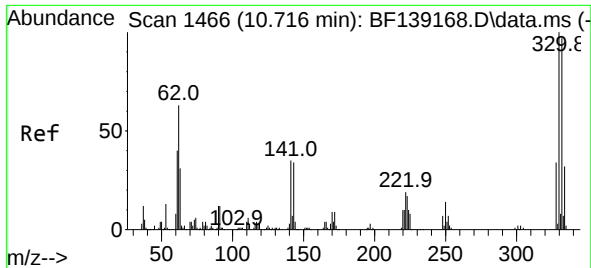
Tgt Ion:122 Resp: 306
Ion Ratio Lower Upper
122 100
105 102.4 118.9 158.9#
77 115.0 96.4 136.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:164 Resp: 159548
Ion Ratio Lower Upper
164 100
162 99.9 80.0 120.0
160 42.8 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 80.951 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

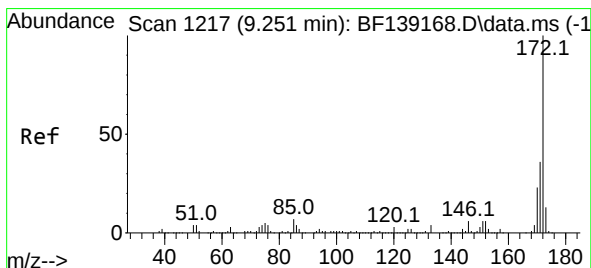
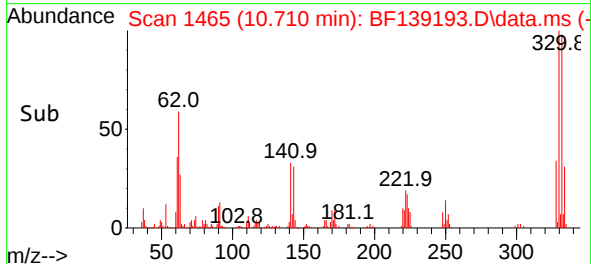
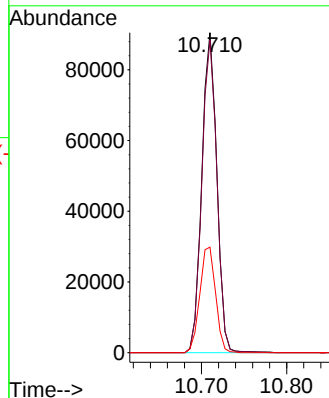
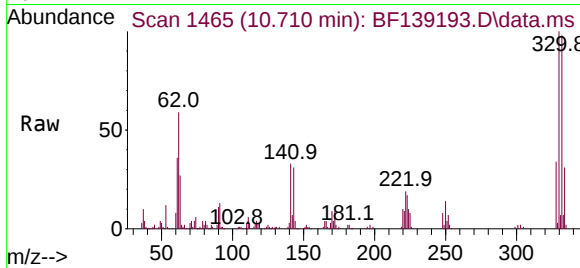
Tgt Ion:330 Resp: 110616

Ion Ratio Lower Upper

330 100

332 97.9 77.3 115.9

141 34.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 50.883 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

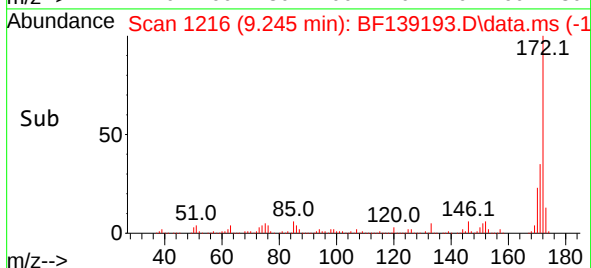
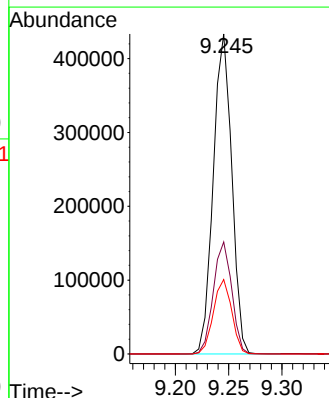
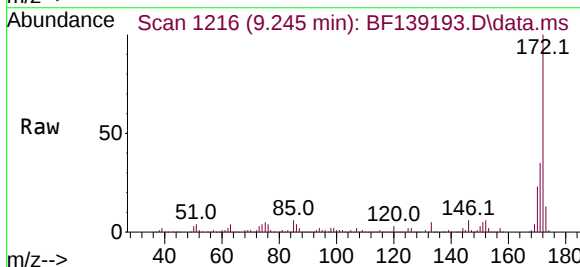
Tgt Ion:172 Resp: 522632

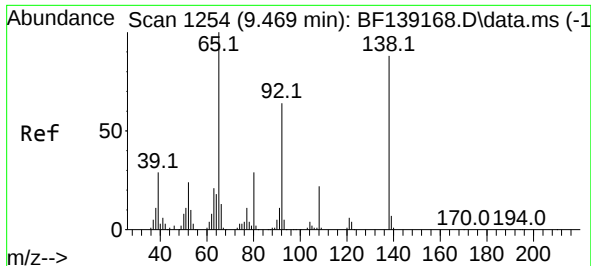
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.3 18.8 28.2





#48

2-Nitroaniline

Concen: 6.069 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.224 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

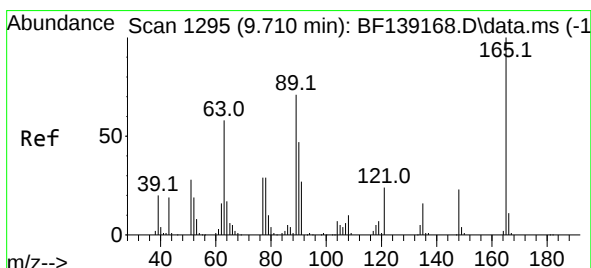
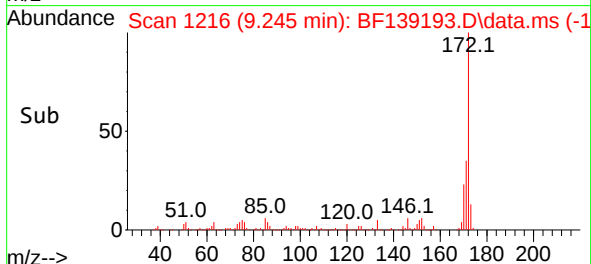
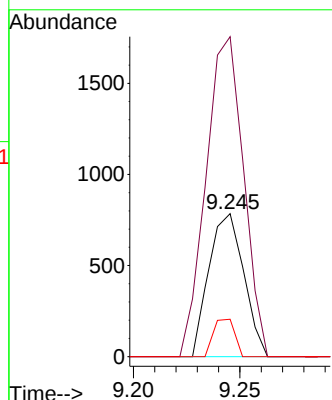
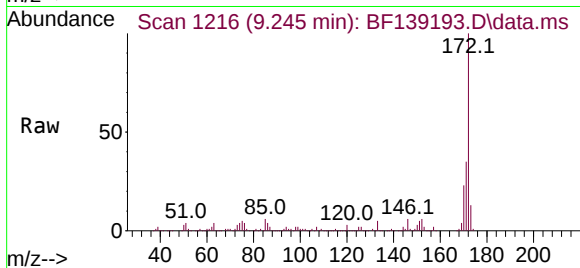
Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:	65	Resp:	894
Ion	Ratio	Lower	Upper
65	100		
92	223.7	51.2	76.8#
138	26.1	70.0	105.0#



#51

2,6-Dinitrotoluene

Concen: 14.557 ng

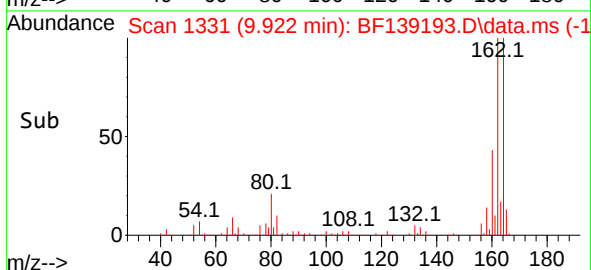
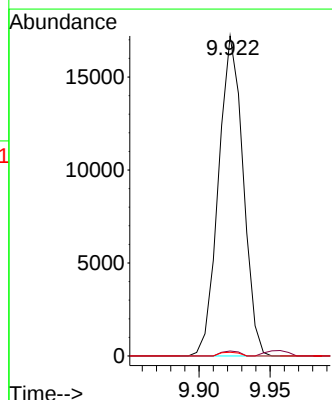
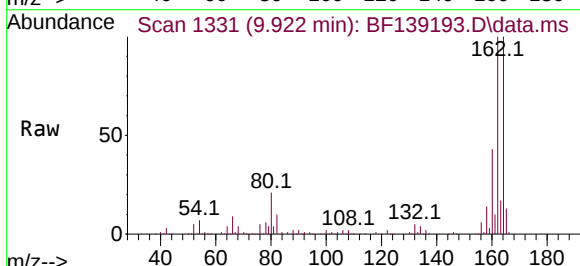
RT: 9.922 min Scan# 1331

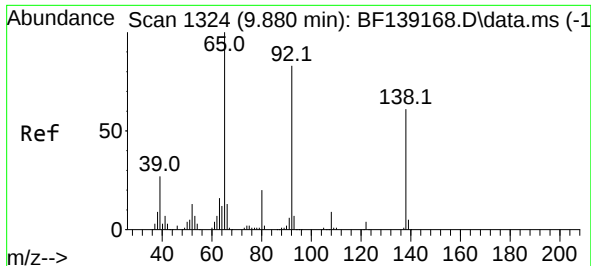
Delta R.T. 0.212 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Tgt Ion:	165	Resp:	20708
Ion	Ratio	Lower	Upper
165	100		
63	1.5	60.1	90.1#
89	1.2	57.0	85.6#

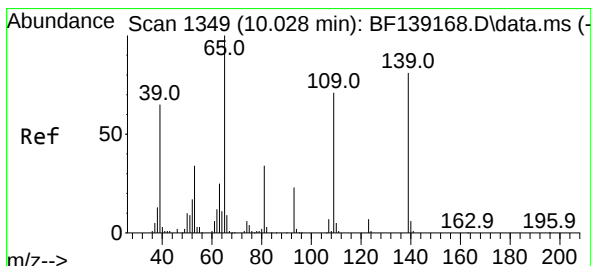
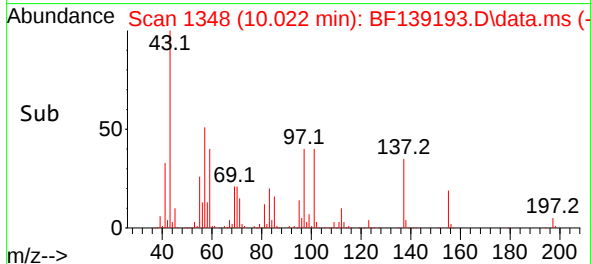
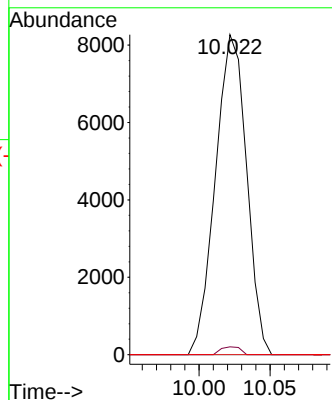
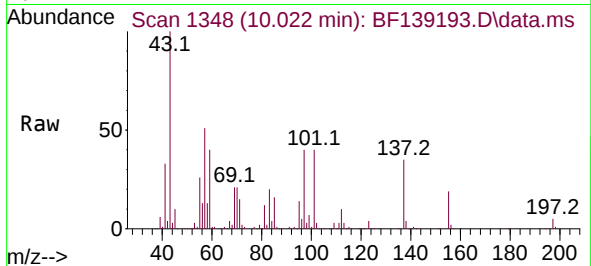




#53
3-Nitroaniline
Concen: 10.131 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.142 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

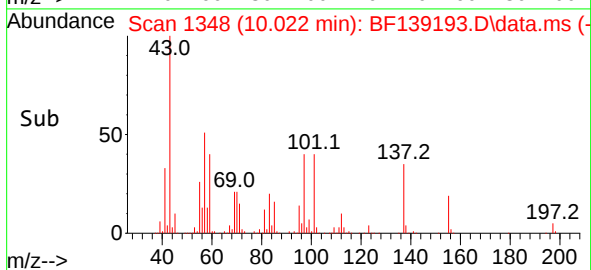
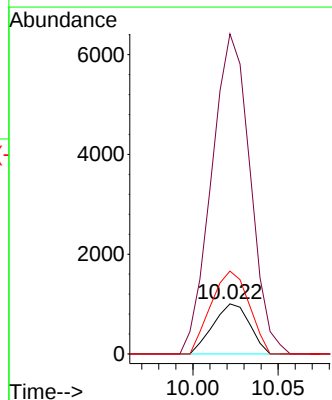
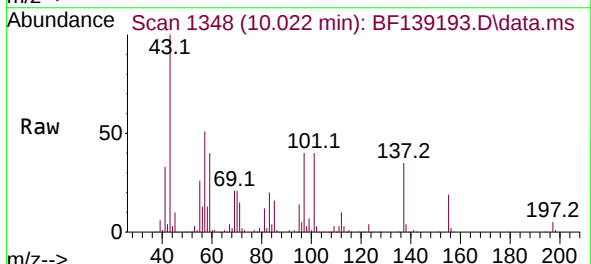
Instrument :
BNA_F
ClientSampleId :
WC-1

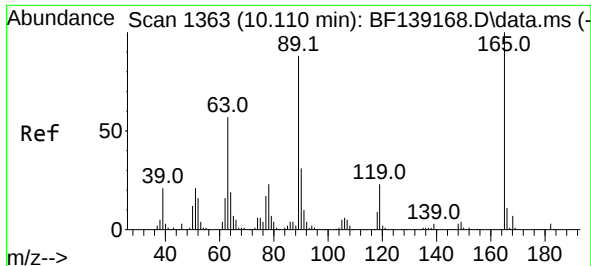
Tgt Ion:138 Resp: 12620
Ion Ratio Lower Upper
138 100
108 2.4 11.8 17.6#
92 0.0 108.2 162.2#



#56
4-Nitrophenol
Concen: 5.993 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:139 Resp: 1500
Ion Ratio Lower Upper
139 100
109 639.6 68.2 108.2#
65 165.7 104.7 144.7#

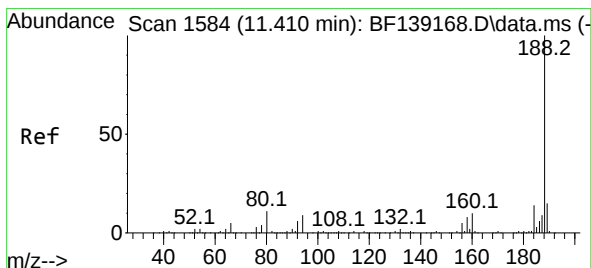
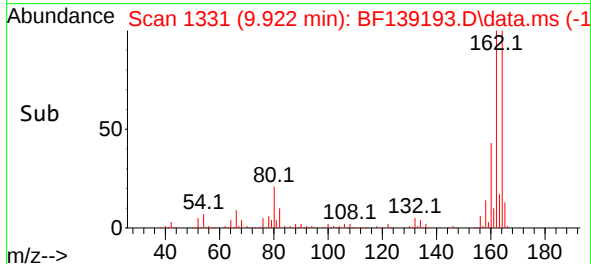
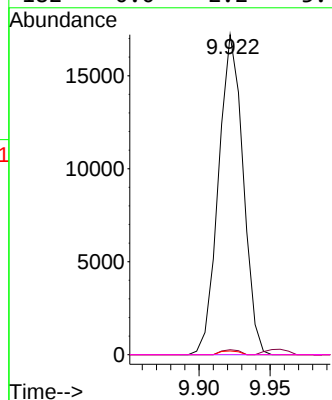
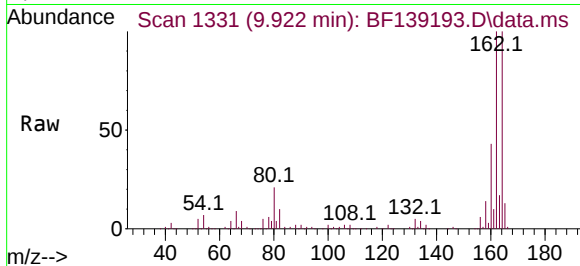




#57
2,4-Dinitrotoluene
Concen: 13.183 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

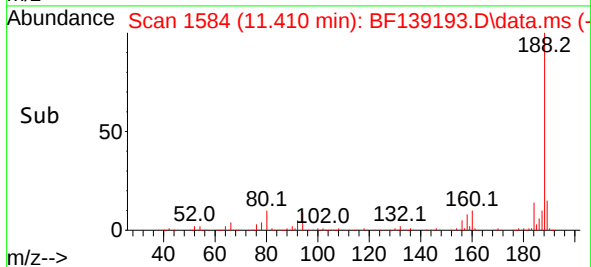
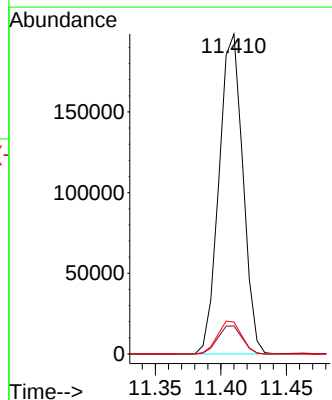
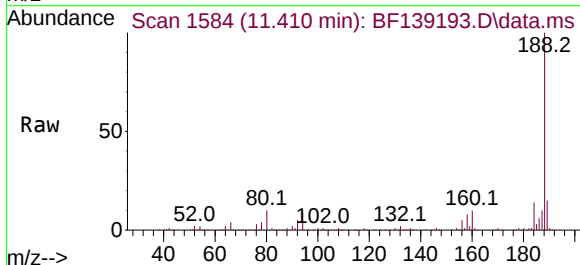
Instrument :
BNA_F
ClientSampleId :
WC-1

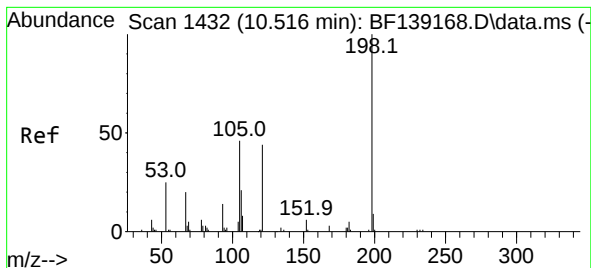
Tgt Ion:165 Resp: 20708
Ion Ratio Lower Upper
165 100
63 1.5 46.2 69.2#
89 1.2 70.2 105.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:188 Resp: 250371
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 10.0 8.9 13.3

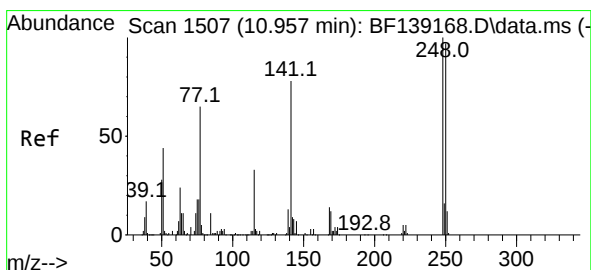
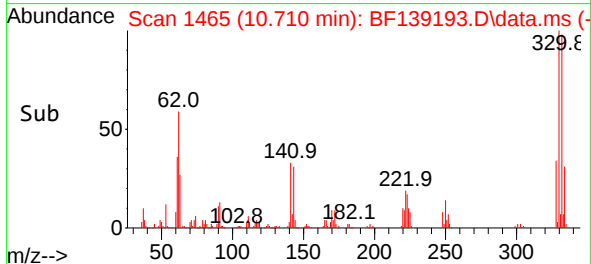
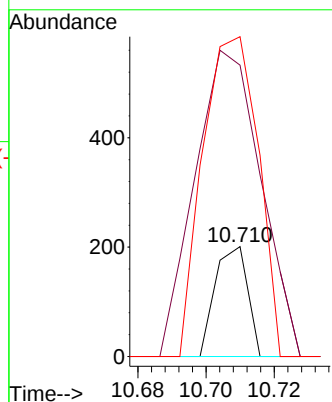
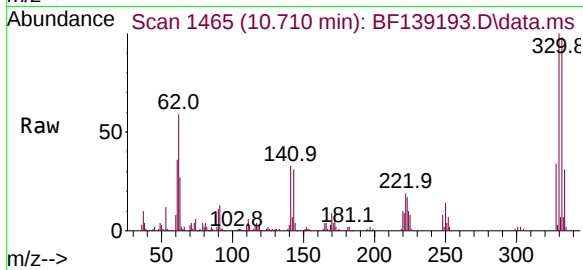




#65
4,6-Dinitro-2-methylphenol
Concen: 7.015 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.194 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

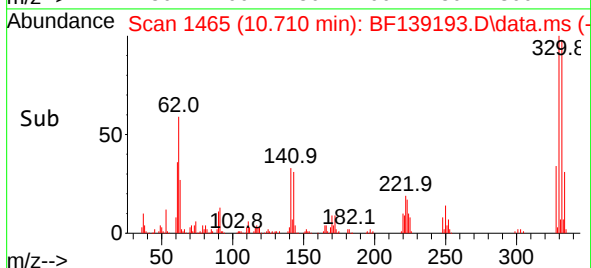
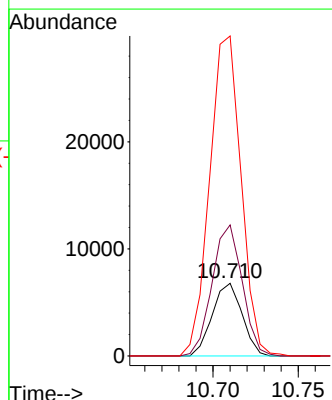
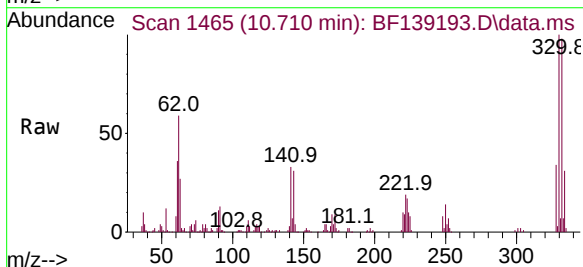
Instrument :
BNA_F
ClientSampleId :
WC-1

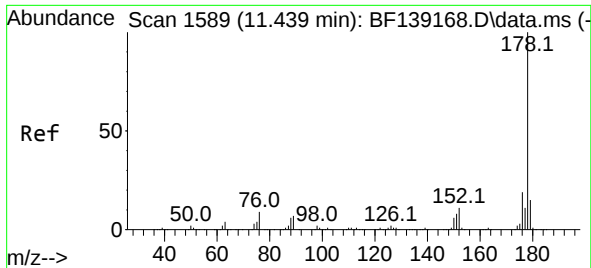
Tgt Ion:198 Resp: 133
Ion Ratio Lower Upper
198 100
51 265.2 39.2 79.2#
105 291.0 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 3.109 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:248 Resp: 8272
Ion Ratio Lower Upper
248 100
250 180.2 78.0 117.0#
141 440.2 62.6 94.0#

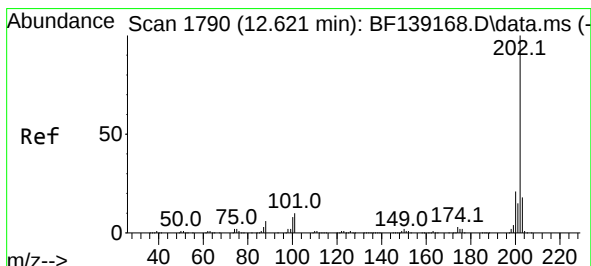
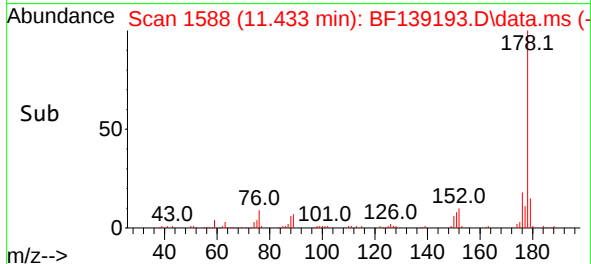
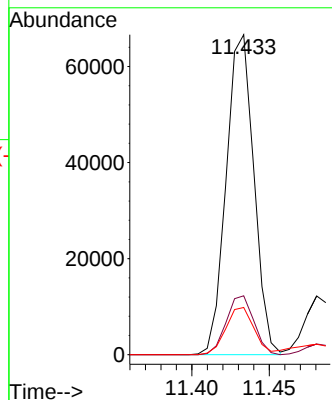
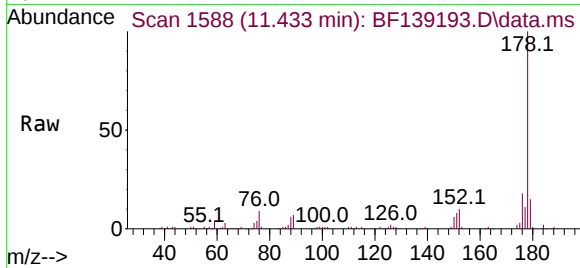




#71
Phenanthrene
Concen: 6.547 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

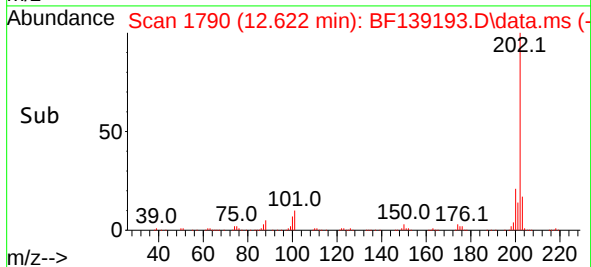
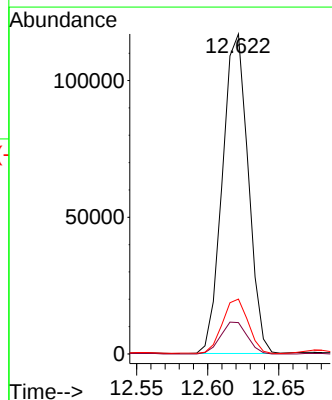
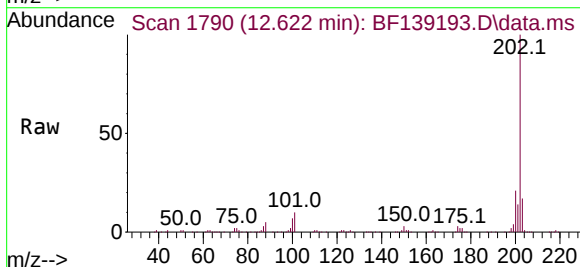
Instrument :
BNA_F
ClientSampleId :
WC-1

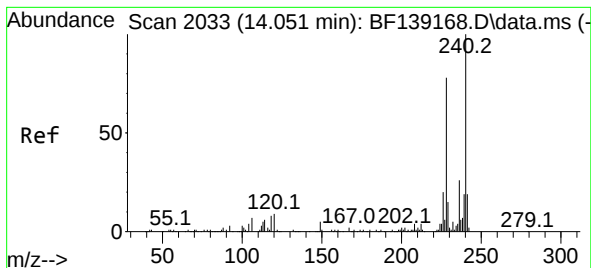
Tgt Ion:178 Resp: 82834
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 14.7 12.2 18.4



#75
Fluoranthene
Concen: 12.012 ng
RT: 12.622 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF139193.D
Acq: 27 Aug 2024 18:23

Tgt Ion:202 Resp: 147481
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.1
203 17.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

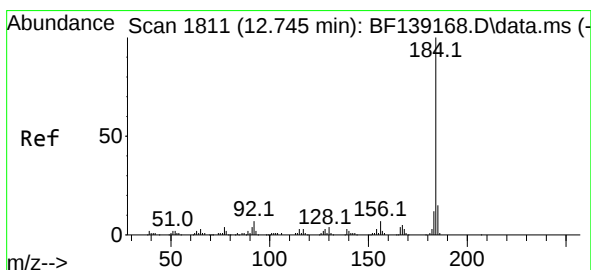
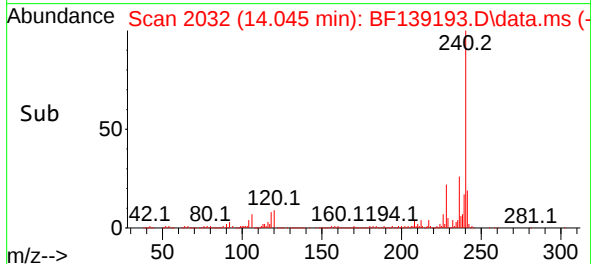
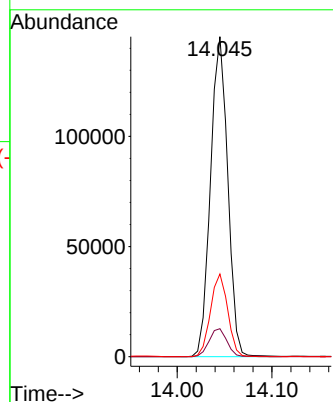
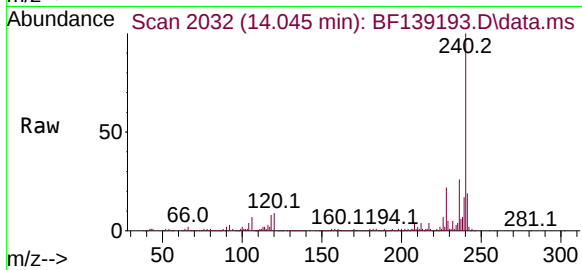
Tgt Ion:240 Resp: 183130

Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

236 25.8 20.9 31.3



#77

Benzidine

Concen: 2.031 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

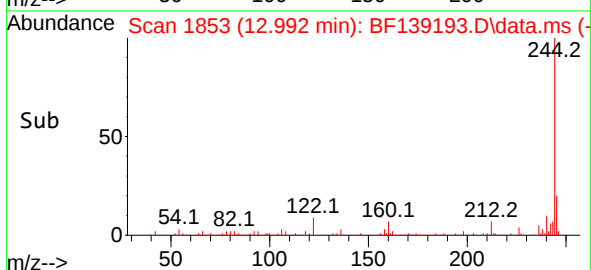
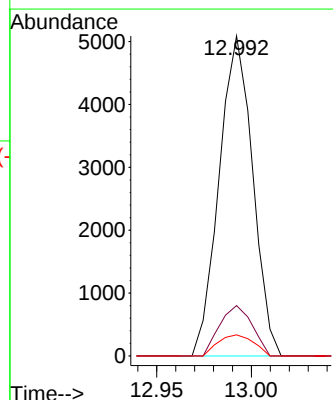
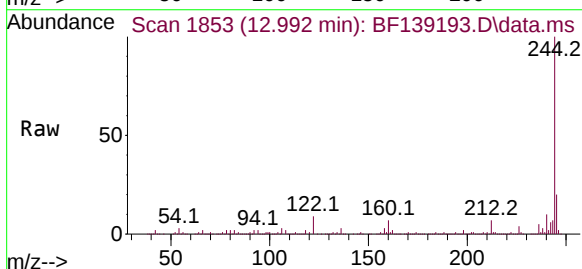
Tgt Ion:184 Resp: 6277

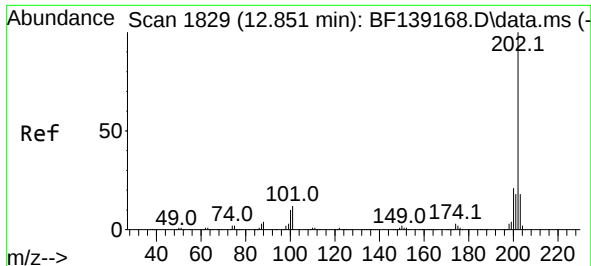
Ion Ratio Lower Upper

184 100

185 15.7 12.1 18.1

183 6.6 9.4 14.0#

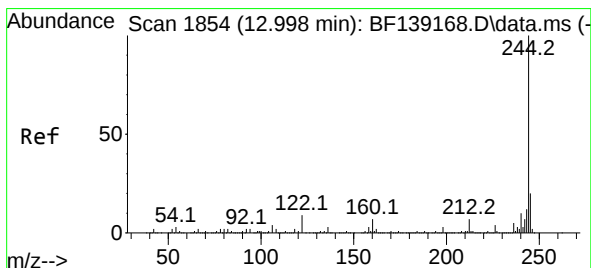
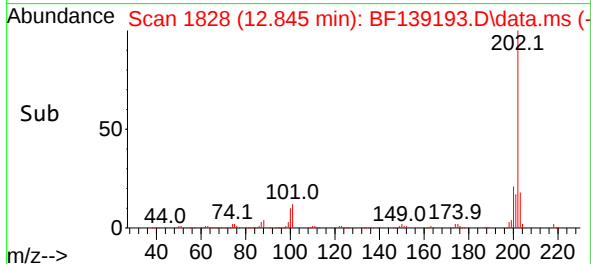
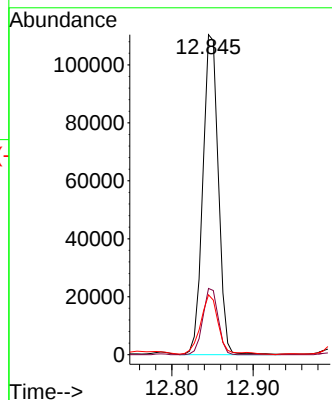
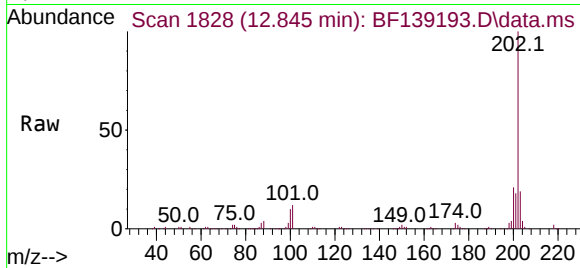




#78
 Pyrene
 Concen: 8.513 ng
 RT: 12.845 min Scan# 1828
 Delta R.T. -0.006 min
 Lab File: BF139193.D
 Acq: 27 Aug 2024 18:23

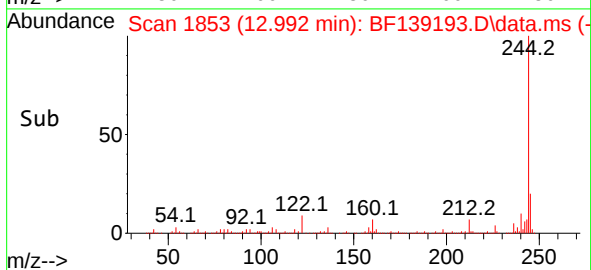
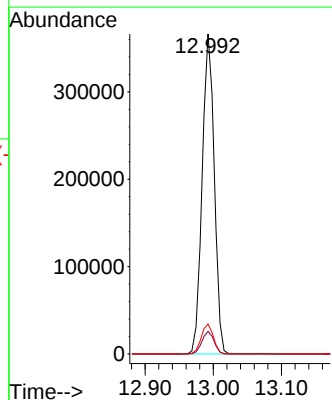
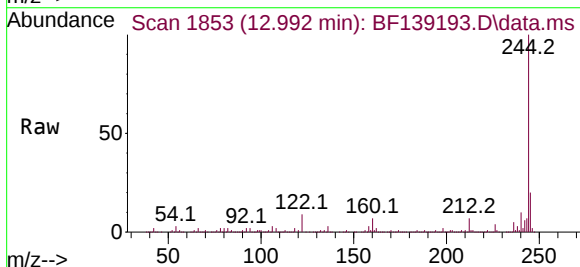
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

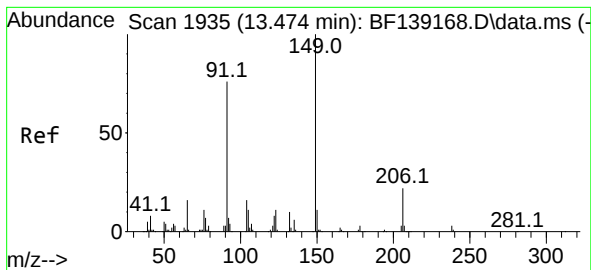
Tgt Ion:202 Resp: 146448
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.7 25.1
 203 18.7 14.1 21.1



#79
 Terphenyl-d14
 Concen: 38.548 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF139193.D
 Acq: 27 Aug 2024 18:23

Tgt Ion:244 Resp: 452421
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.4 7.6 11.4





#80

Butylbenzylphthalate

Concen: 4.541 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

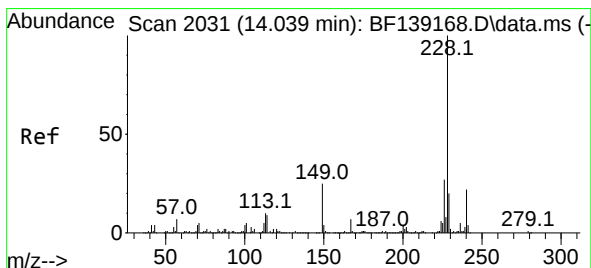
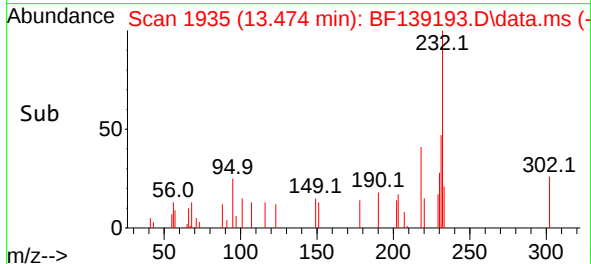
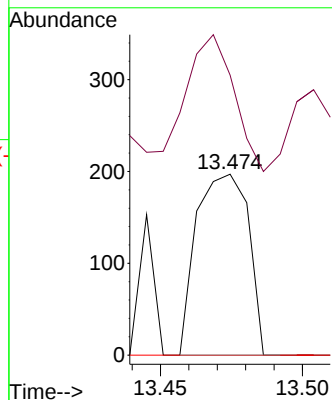
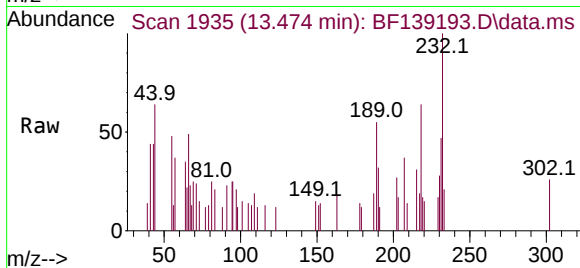
Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:	149	Resp:	250
Ion	Ratio	Lower	Upper
149	100		
91	154.8	60.9	91.3#
206	0.0	17.7	26.5#



#81

Benzo(a)anthracene

Concen: 7.274 ng

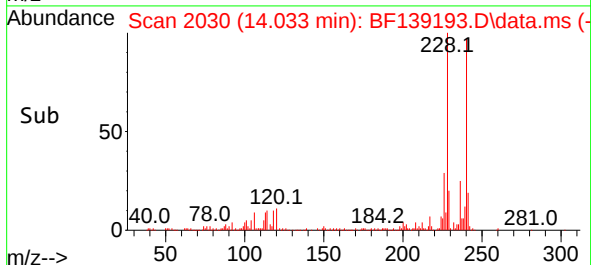
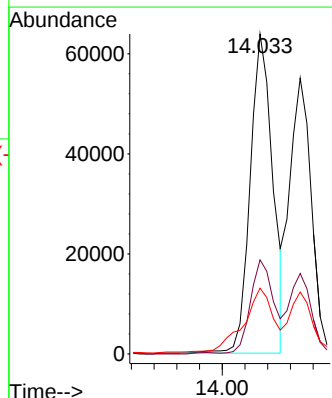
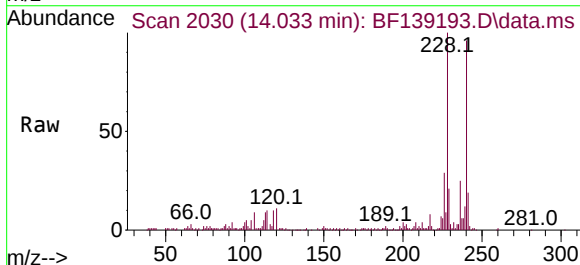
RT: 14.033 min Scan# 2030

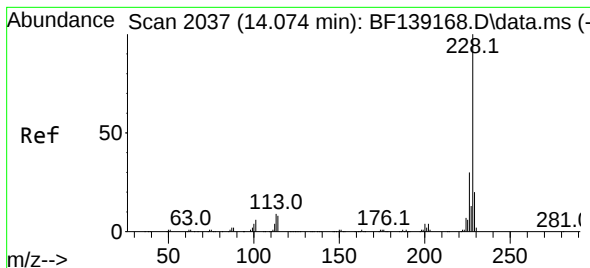
Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Tgt Ion:	228	Resp:	88261
Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.4	32.2
229	20.5	15.7	23.5





#83

Chrysene

Concen: 6.617 ng

RT: 14.069 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

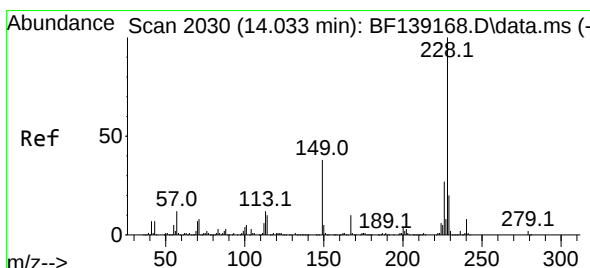
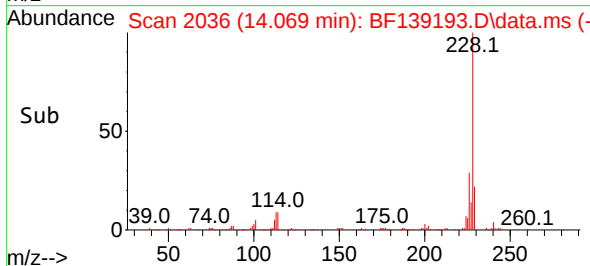
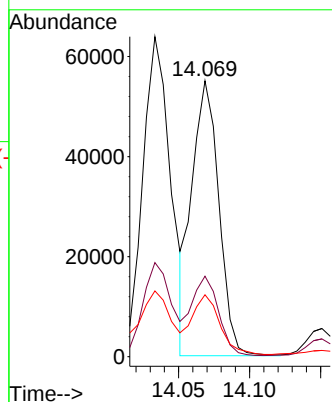
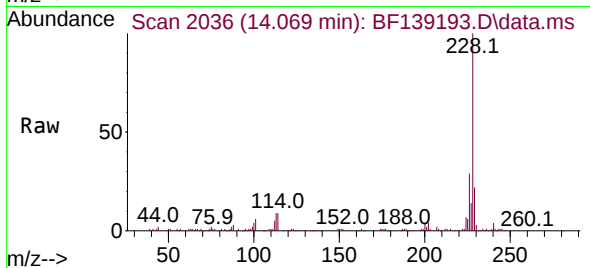
Tgt Ion:228 Resp: 72429

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.6

229 22.5 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.284 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

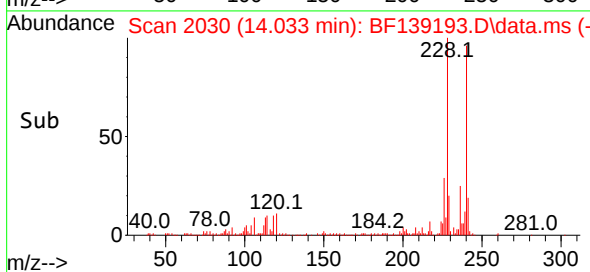
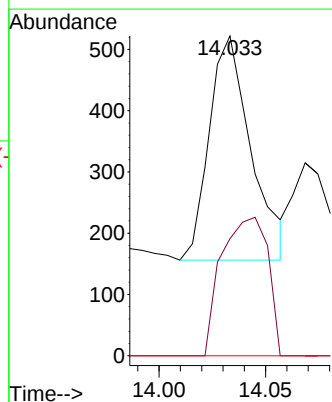
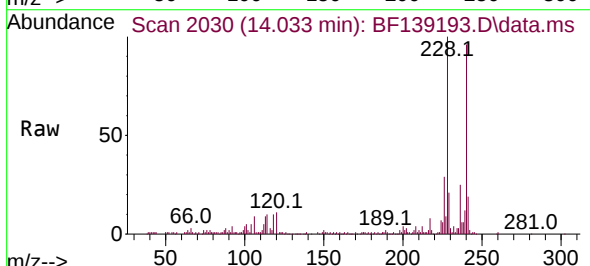
Tgt Ion:149 Resp: 499

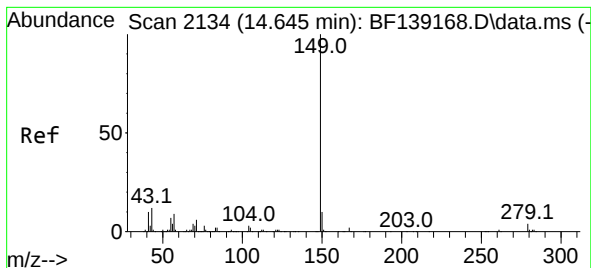
Ion Ratio Lower Upper

149 100

167 36.6 21.3 31.9#

279 0.0 3.4 5.0#





#85

Di-n-octyl phthalate

Concen: 9.043 ng

RT: 14.657 min Scan# 2136

Delta R.T. 0.012 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

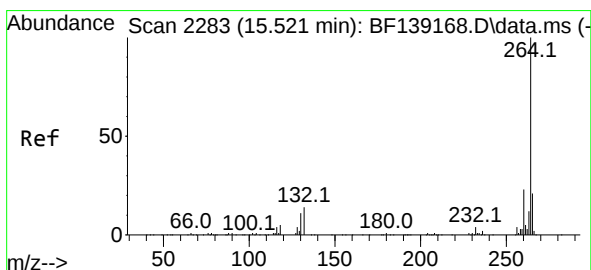
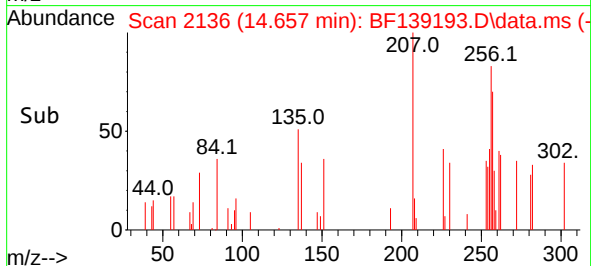
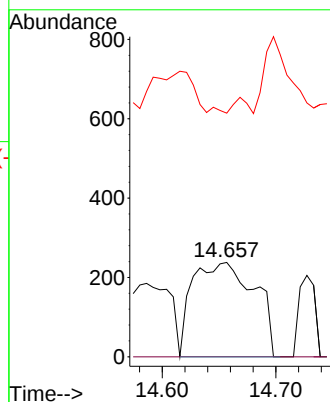
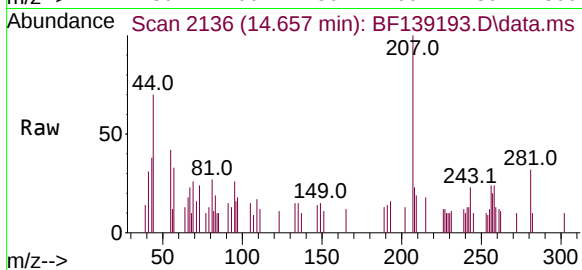
Tgt Ion:149 Resp: 904

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 9.9 14.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.516 min Scan# 2282

Delta R.T. -0.005 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

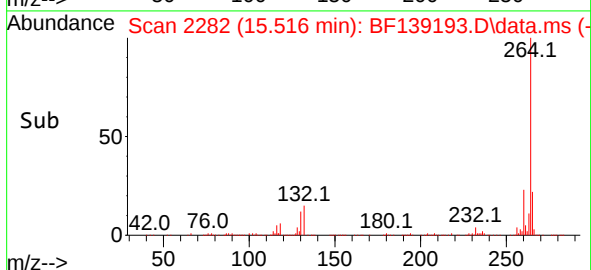
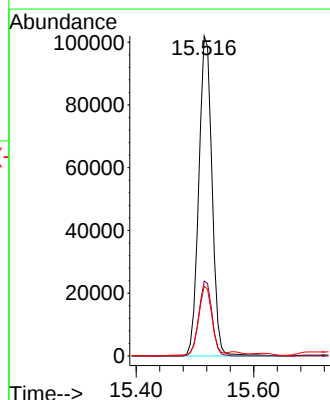
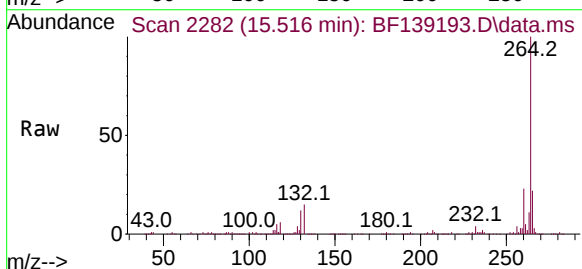
Tgt Ion:264 Resp: 159035

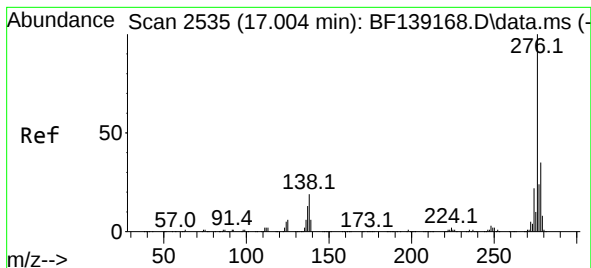
Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 21.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.809 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

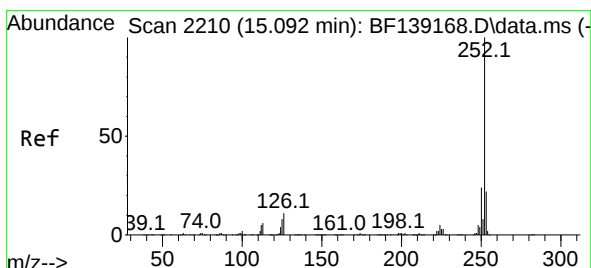
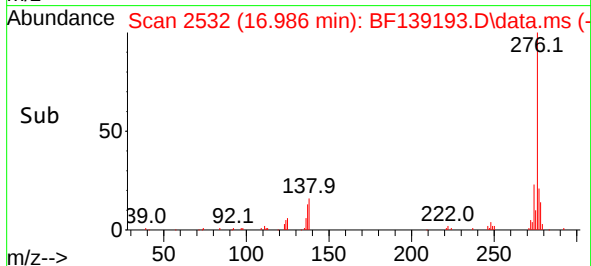
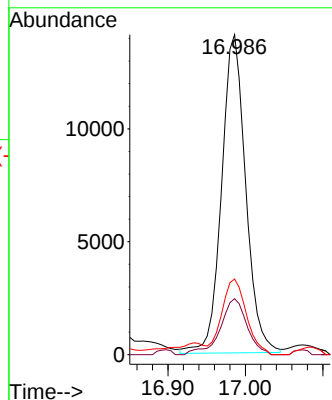
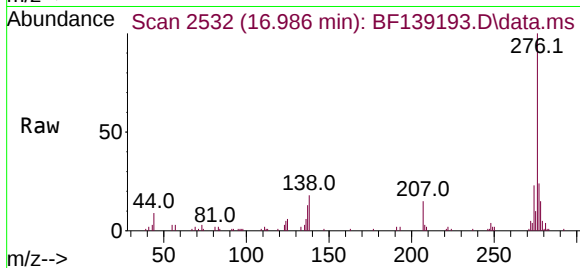
Tgt Ion:276 Resp: 30542

Ion Ratio Lower Upper

276 100

138 19.4 17.4 26.2

277 24.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 13.065 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

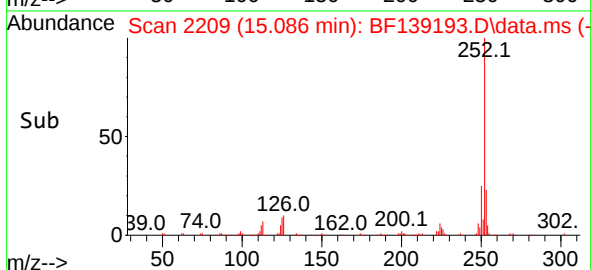
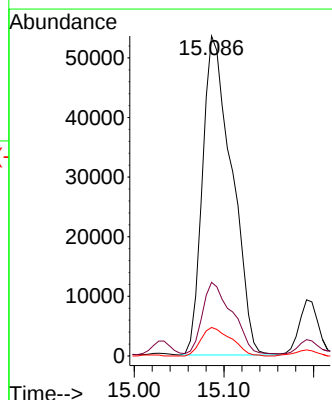
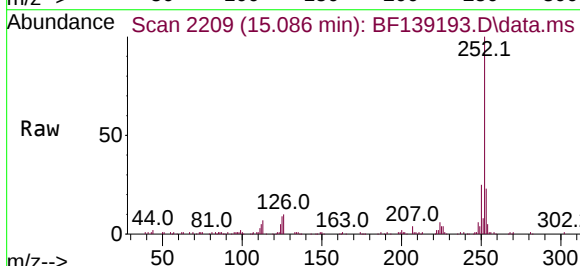
Tgt Ion:252 Resp: 121545

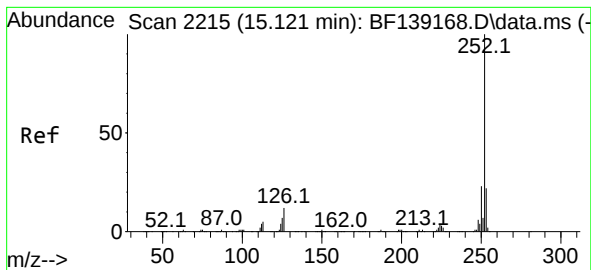
Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 8.9 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 14.451 ng

RT: 15.086 min Scan# 2215

Delta R.T. -0.035 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

Instrument :

BNA_F

ClientSampleId :

WC-1

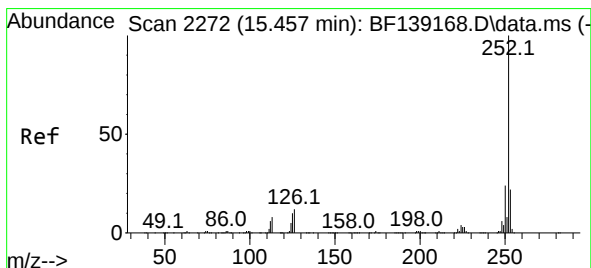
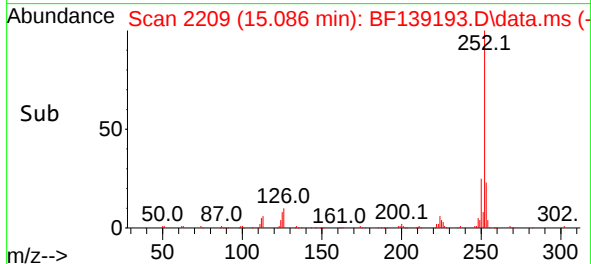
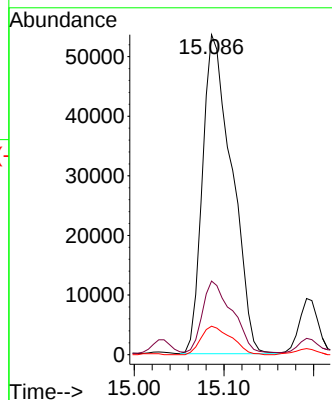
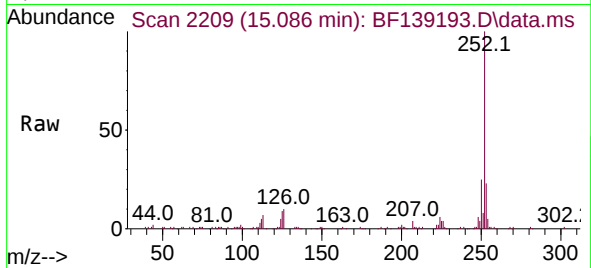
Tgt Ion:252 Resp: 121545

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 8.9 6.5 9.7



#90

Benzo(a)pyrene

Concen: 7.993 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.006 min

Lab File: BF139193.D

Acq: 27 Aug 2024 18:23

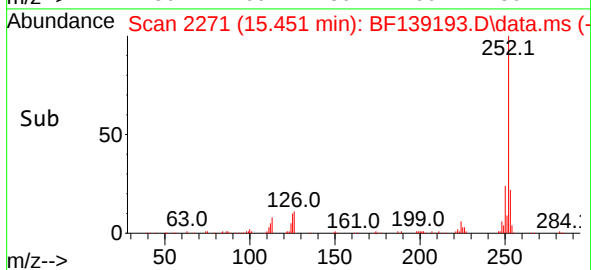
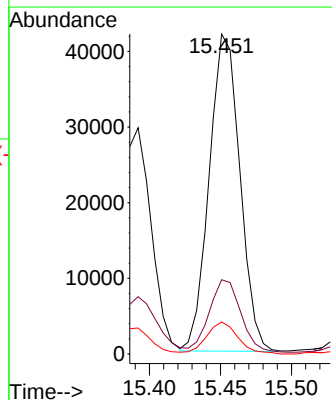
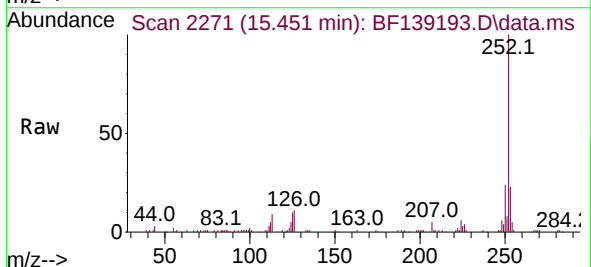
Tgt Ion:252 Resp: 63115

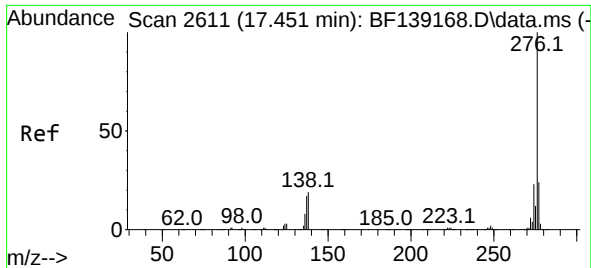
Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

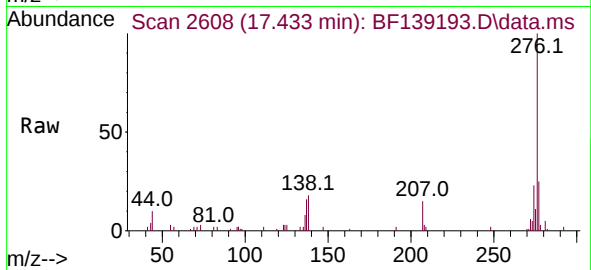
125 10.0 7.8 11.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.170 ng
 RT: 17.433 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF139193.D
 Acq: 27 Aug 2024 18:23

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:	276	Resp:	29225
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.0	28.6
138	17.9	15.0	22.6

