

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091924\
 Data File : BF139490.D
 Acq On : 20 Sep 2024 03:57
 Operator : RC/JU
 Sample : P3984-04DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B-COMPD

Quant Time: Sep 20 05:10:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

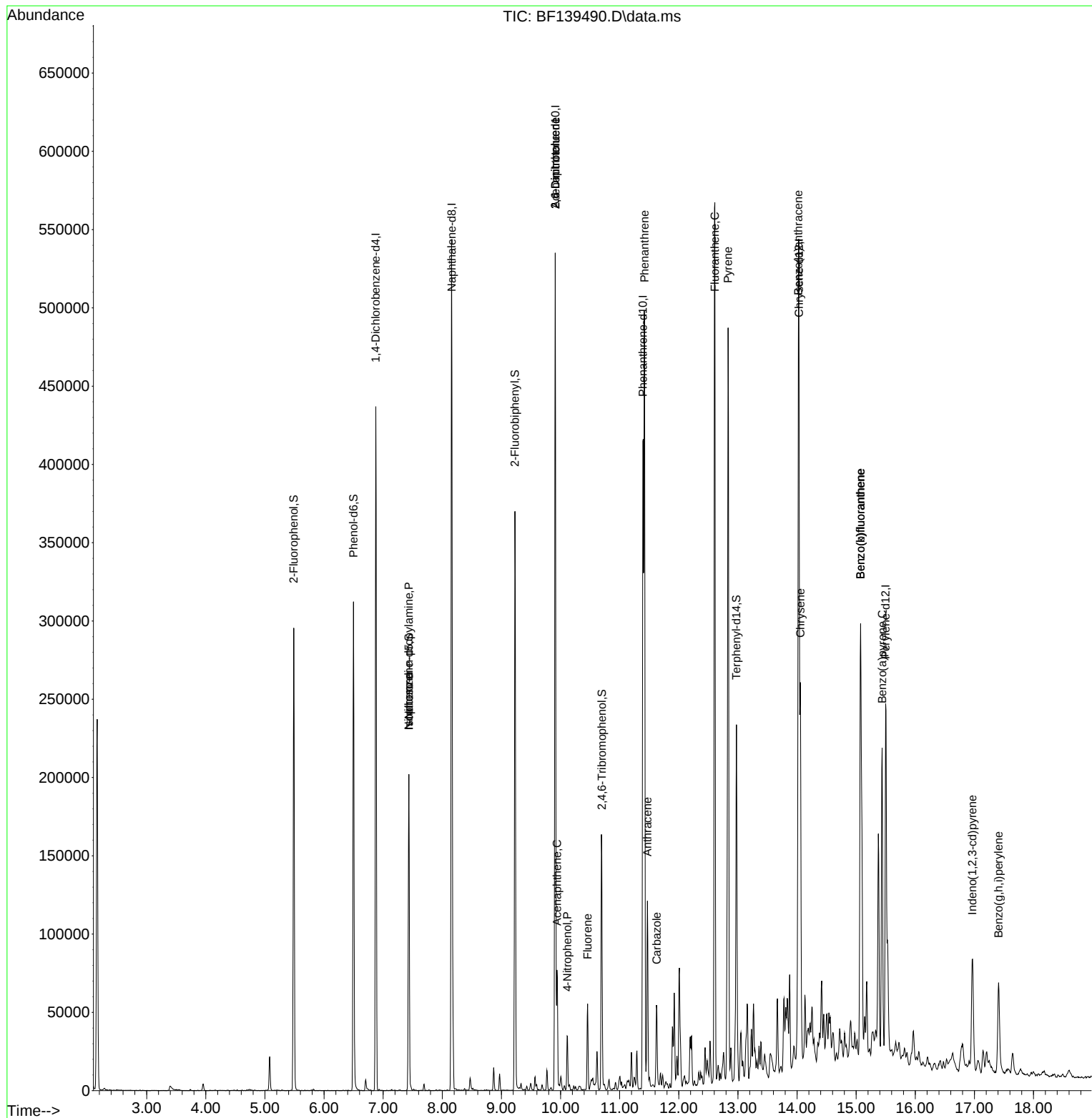
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85072	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	308185	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	154856	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	223216	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	133455	20.000	ng	0.00
86) Perylene-d12	15.498	264	127899	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	94092	18.043	ng	0.00
7) Phenol-d6	6.498	99	123495	18.042	ng	0.00
23) Nitrobenzene-d5	7.434	82	80113	12.221	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	22655	13.742	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	159609	14.456	ng	0.00
79) Terphenyl-d14	12.975	244	102373	12.591	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	10816	2.667	ng	# 77
25) Isophorone	7.434	82	80112	7.727	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	20274	9.004	ng	# 15
52) Acenaphthene	9.939	154	22910	2.448	ng	99
56) 4-Nitrophenol	10.116	139	7255	3.896	ng	# 1
57) 2,4-Dinitrotoluene	9.910	165	20274	6.669	ng	# 16
58) Fluorene	10.457	166	21844	2.053	ng	97
71) Phenanthrene	11.422	178	259312	24.079	ng	99
72) Anthracene	11.469	178	65828	6.252	ng	99
73) Carbazole	11.628	167	29332	2.911	ng	99
75) Fluoranthene	12.610	202	328953	28.603	ng	99
78) Pyrene	12.833	202	277534	24.220	ng	98
81) Benzo(a)anthracene	14.021	228	154346	17.460	ng	97
83) Chrysene	14.057	228	118772	14.604	ng	96
87) Indeno(1,2,3-cd)pyrene	16.962	276	54598	7.179	ng	96
88) Benzo(b)fluoranthene	15.074	252	235639	29.873	ng	# 98
89) Benzo(k)fluoranthene	15.074	252	235639	32.399	ng	# 98
90) Benzo(a)pyrene	15.439	252	116856	17.863	ng	98
92) Benzo(g,h,i)perylene	17.410	276	52839	8.492	ng	# 95

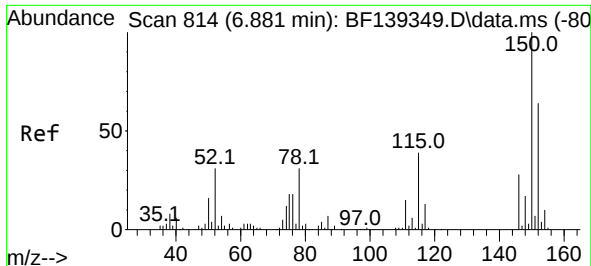
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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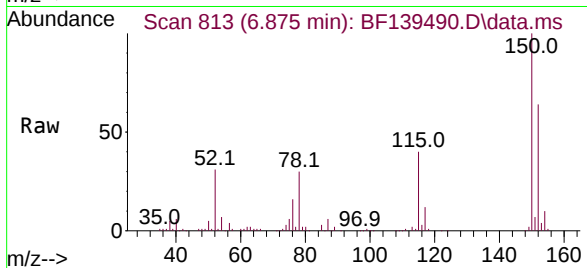
Quant Time: Sep 20 05:10:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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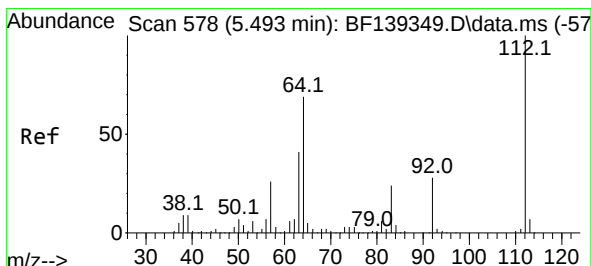
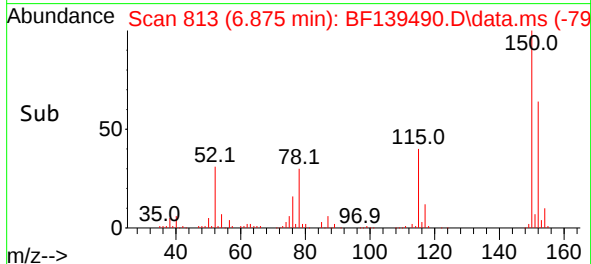
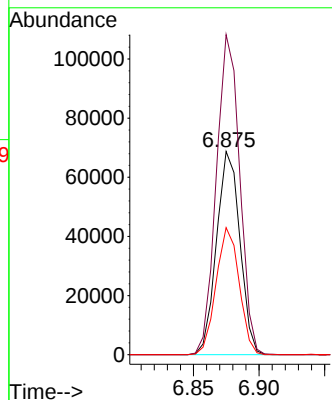


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL

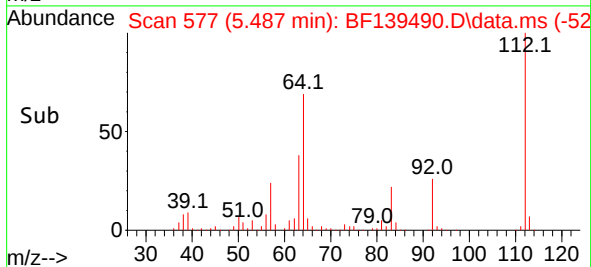
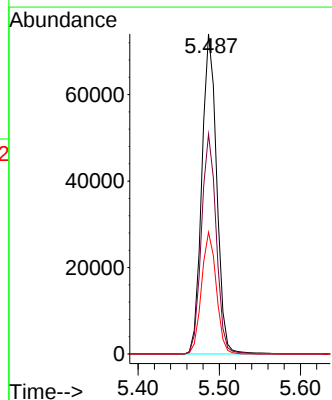
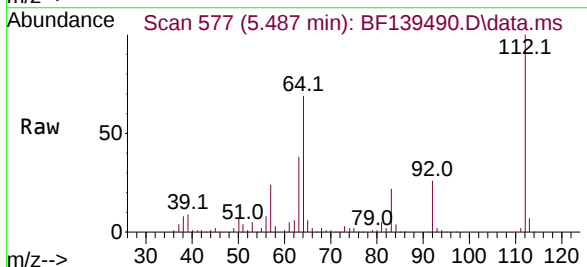


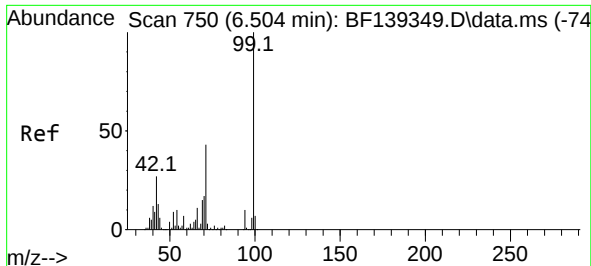
Tgt Ion:152 Resp: 85072
Ion Ratio Lower Upper
152 100
150 157.4 124.1 186.1
115 62.5 48.1 72.1



#5
2-Fluorophenol
Concen: 18.043 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

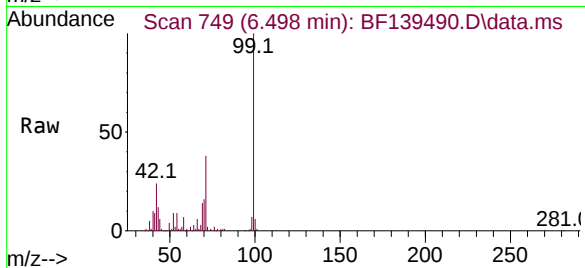
Tgt Ion:112 Resp: 94092
Ion Ratio Lower Upper
112 100
64 68.7 54.8 82.2
63 38.1 33.0 49.4



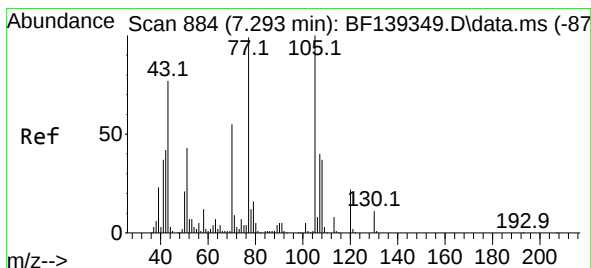
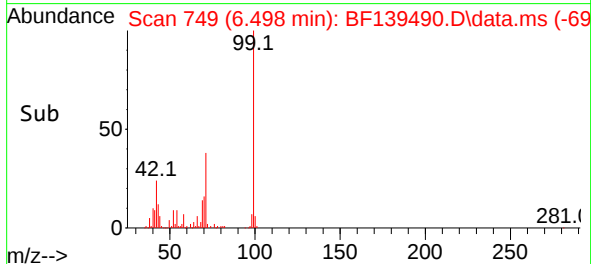
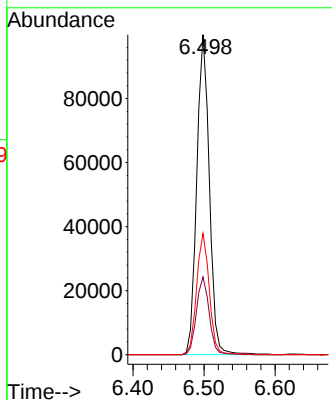


#7
Phenol-d6
Concen: 18.042 ng
RT: 6.498 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Instrument :
BNA_F
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WC-B-COMPDL

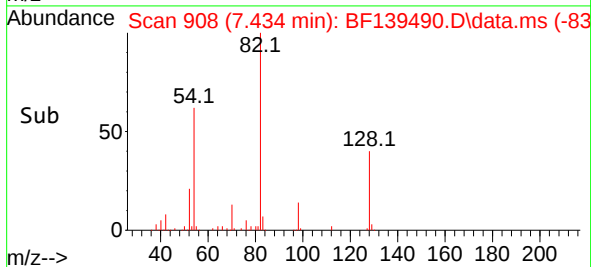
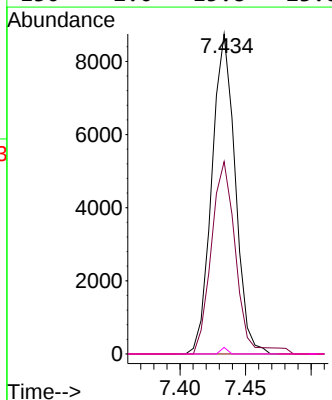
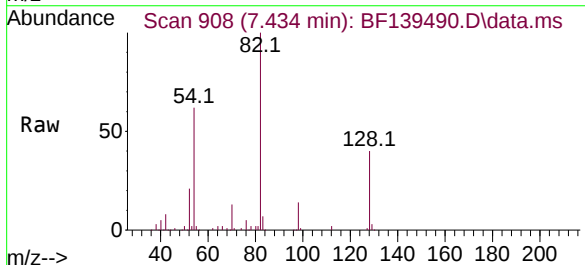


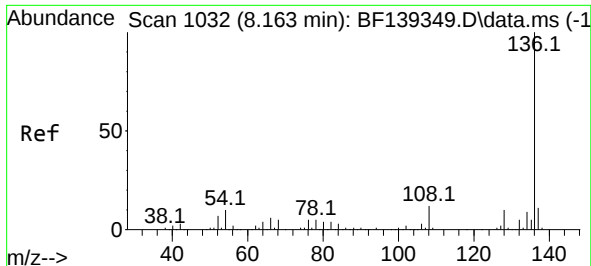
Tgt Ion: 99 Resp: 123495
Ion Ratio Lower Upper
99 100
42 24.3 21.9 32.9
71 37.8 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.667 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

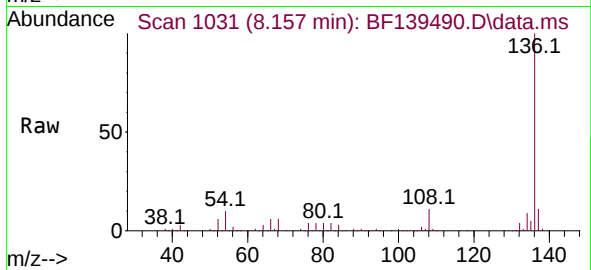
Tgt Ion: 70 Resp: 10816
Ion Ratio Lower Upper
70 100
42 60.1 61.2 91.8#
101 0.0 7.5 11.3#
130 2.0 15.8 23.8#



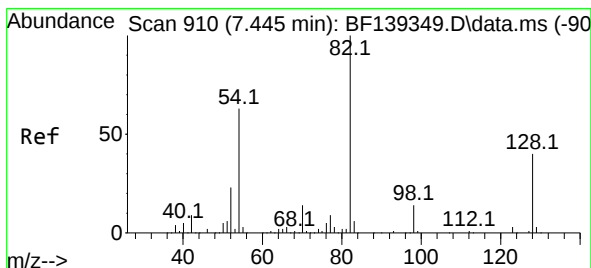
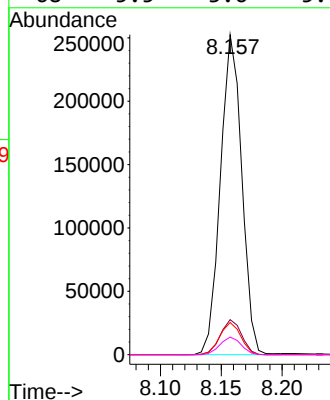
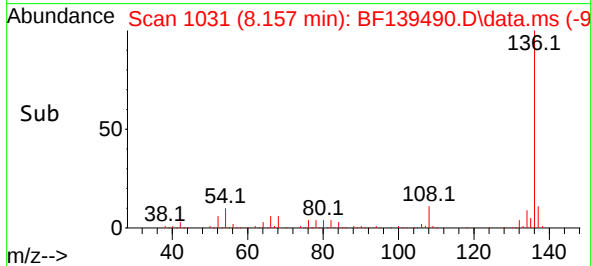


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL

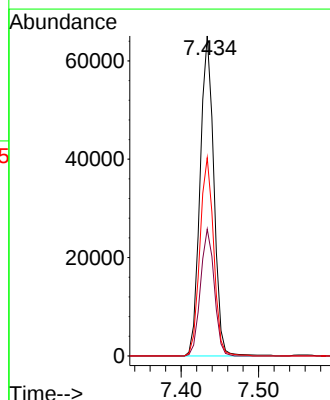
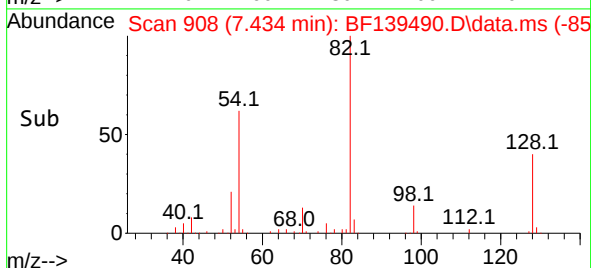
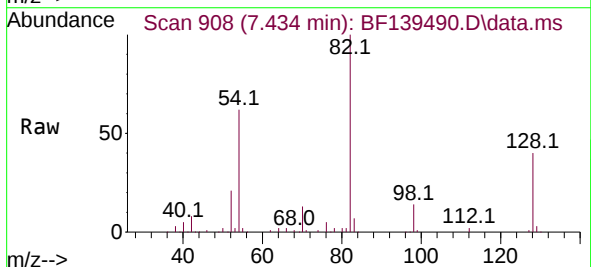


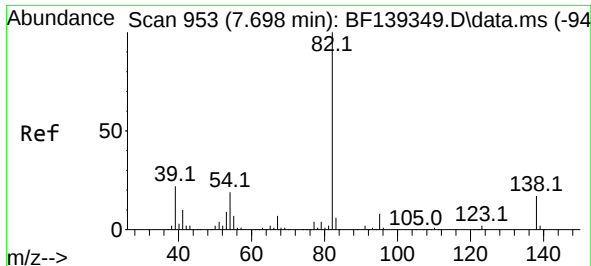
Tgt Ion:136 Resp: 308185
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.1 7.8 11.8
68 5.5 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 12.221 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Tgt Ion: 82 Resp: 80113
Ion Ratio Lower Upper
82 100
128 39.6 31.8 47.6
54 61.9 50.6 75.8

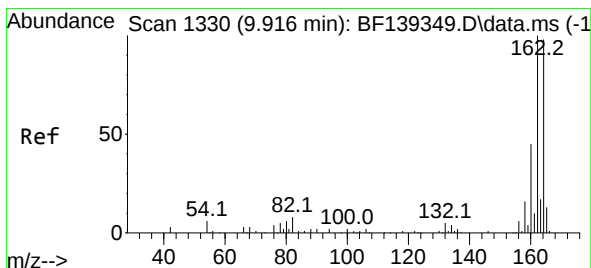
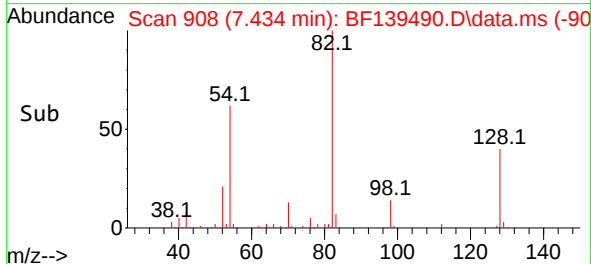
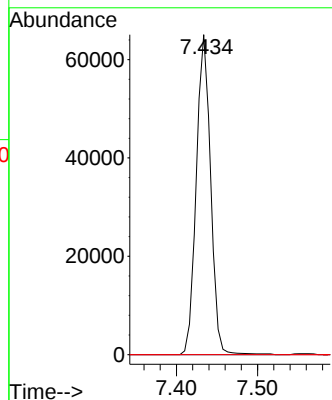
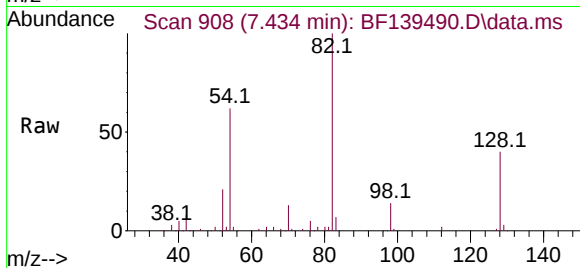




#25
Isophorone
Concen: 7.727 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

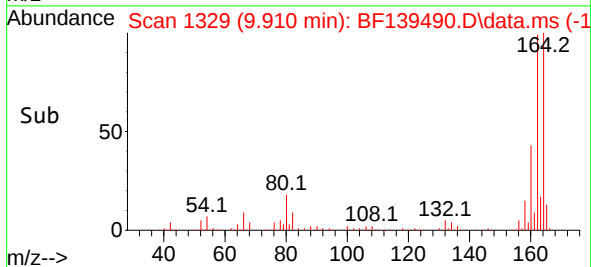
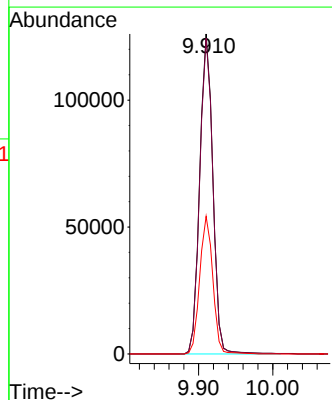
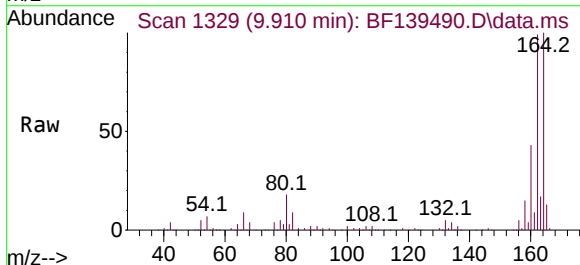
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL

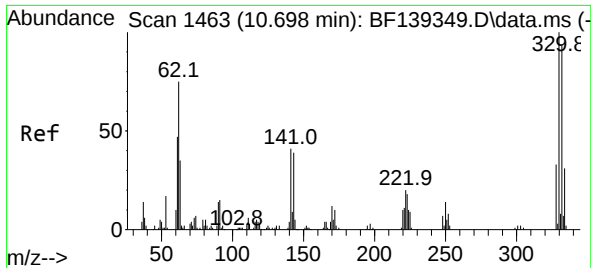
Tgt Ion: 82 Resp: 80112
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Tgt Ion:164 Resp: 154856
Ion Ratio Lower Upper
164 100
162 98.7 81.3 121.9
160 43.0 36.4 54.6

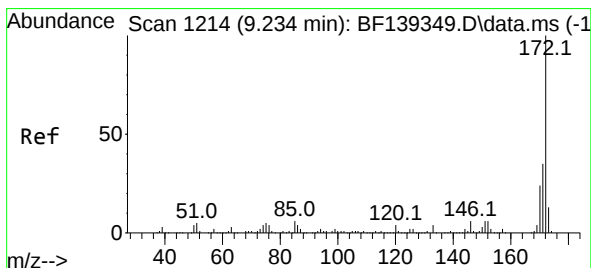
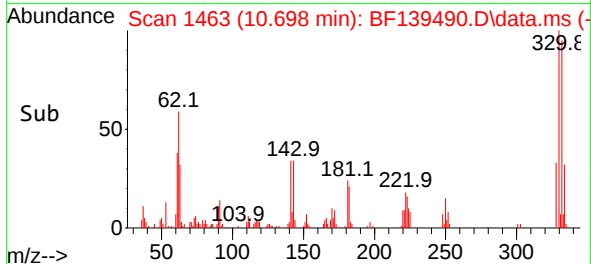
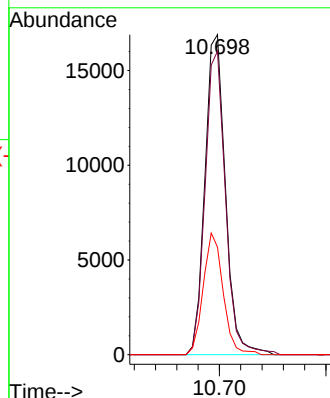
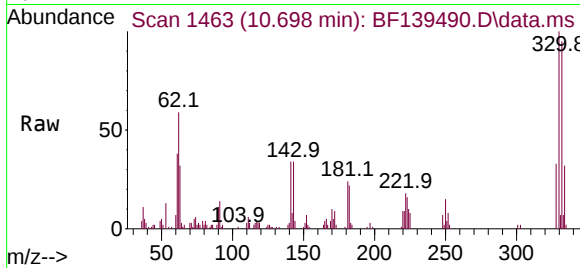




#42
2,4,6-Tribromophenol
Concen: 13.742 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

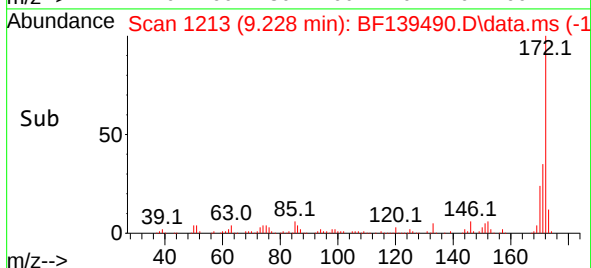
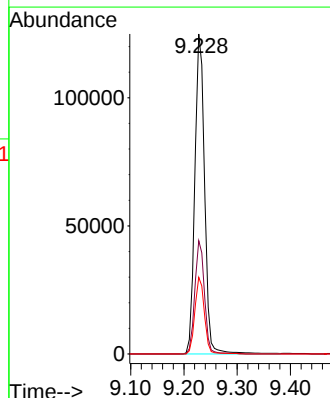
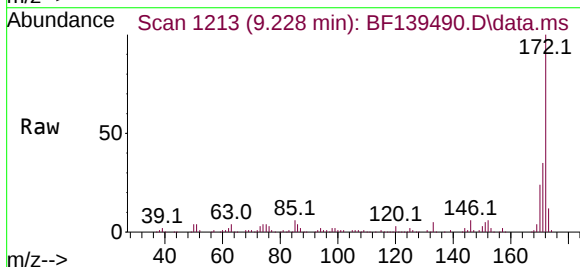
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL

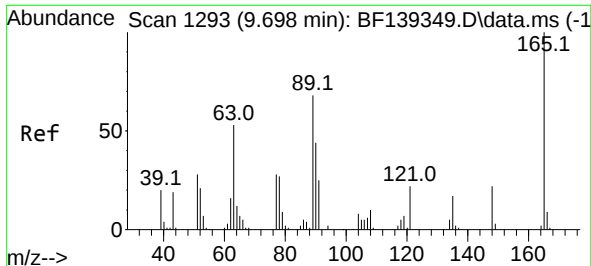
Tgt Ion:	330	Resp:	22655
Ion Ratio	Lower	Upper	
330	100		
332	94.2	75.2	112.8
141	36.9	31.2	46.8



#45
2-Fluorobiphenyl
Concen: 14.456 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Tgt Ion:	172	Resp:	159609
Ion Ratio	Lower	Upper	
172	100		
171	35.4	28.3	42.5
170	24.0	19.0	28.6





#51

2,6-Dinitrotoluene

Concen: 9.004 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF139490.D

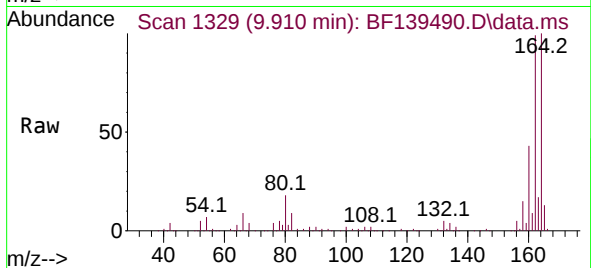
Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPD



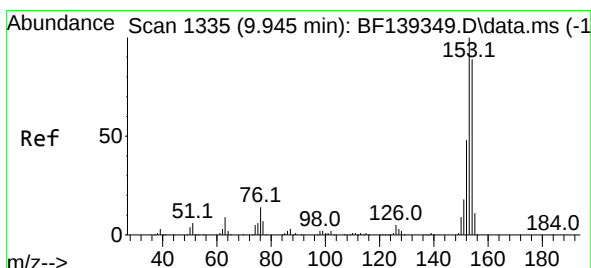
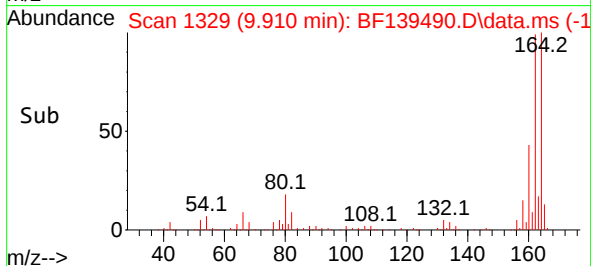
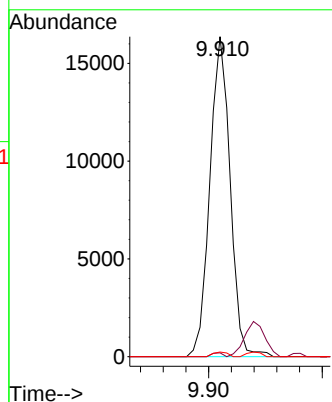
Tgt Ion:165 Resp: 20274

Ion Ratio Lower Upper

165 100

63 1.2 60.9 91.3#

89 1.5 54.7 82.1#



#52

Acenaphthene

Concen: 2.448 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

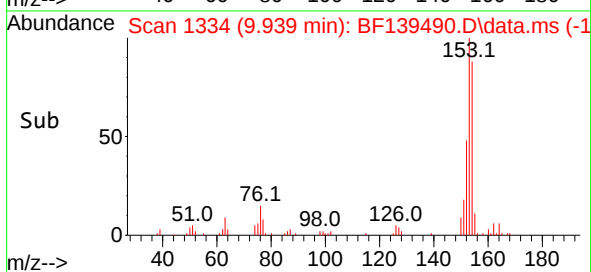
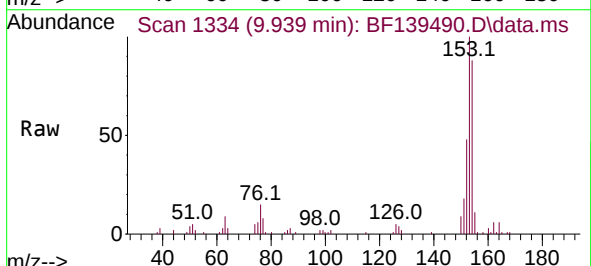
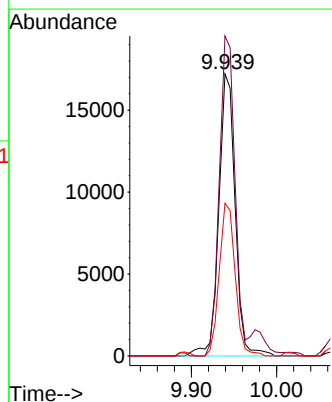
Tgt Ion:154 Resp: 22910

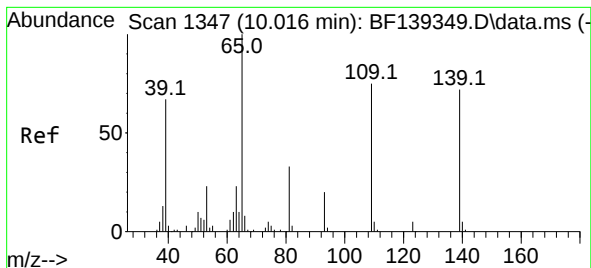
Ion Ratio Lower Upper

154 100

153 113.4 89.5 134.3

152 54.1 42.6 64.0

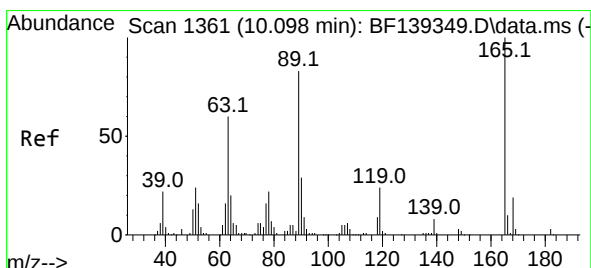
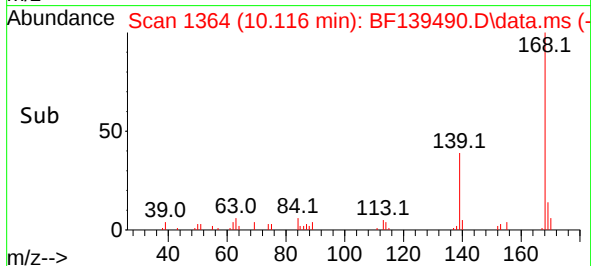
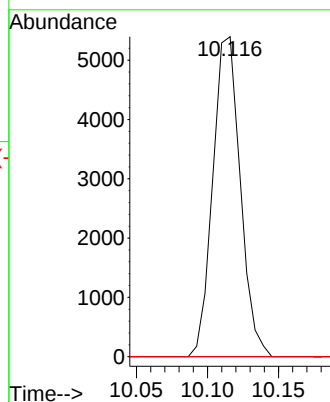
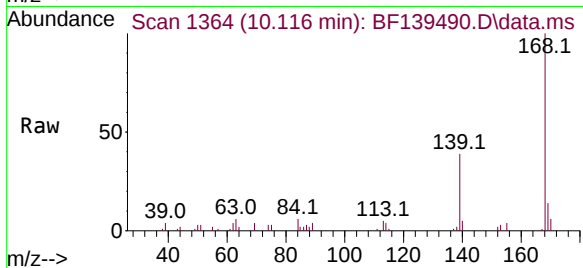




#56
4-Nitrophenol
Concen: 3.896 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.100 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

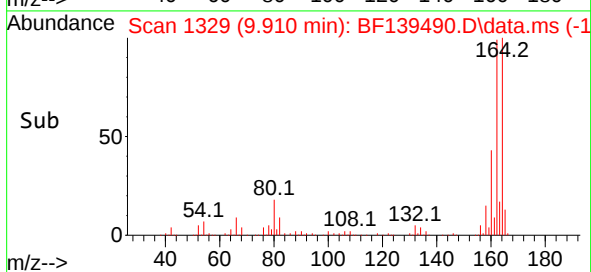
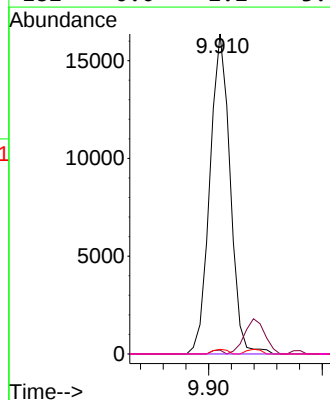
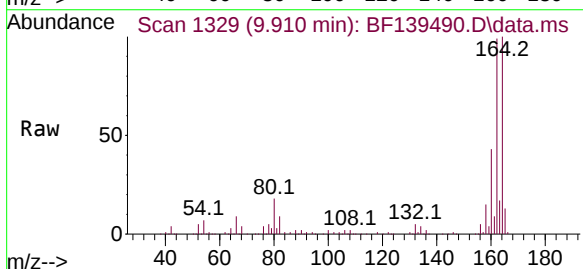
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL

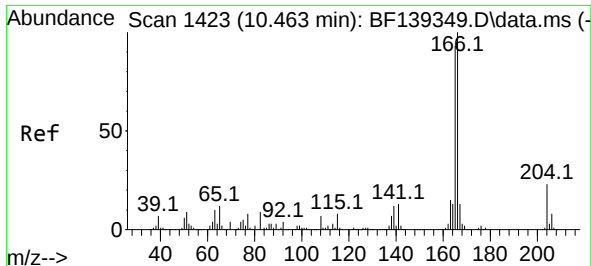
Tgt Ion:139 Resp: 7255
Ion Ratio Lower Upper
139 100
109 0.0 84.1 124.1#
65 0.0 120.0 160.0#



#57
2,4-Dinitrotoluene
Concen: 6.669 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Tgt Ion:165 Resp: 20274
Ion Ratio Lower Upper
165 100
63 1.2 47.8 71.6#
89 1.5 66.7 100.1#
182 0.0 2.2 3.4#

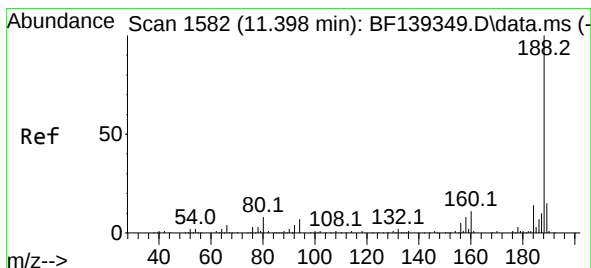
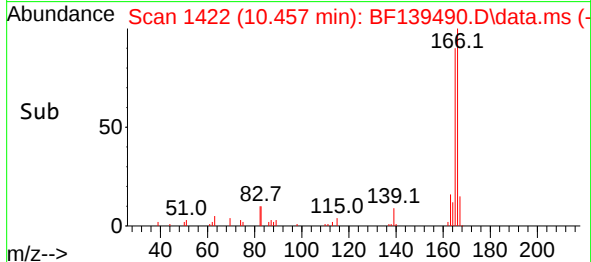
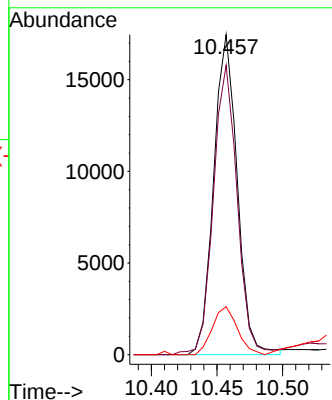
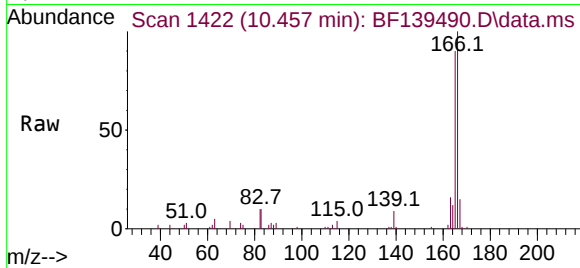




#58
Fluorene
Concen: 2.053 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

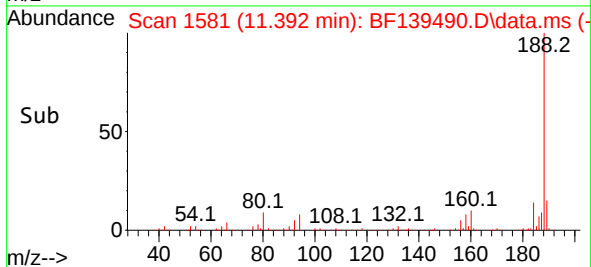
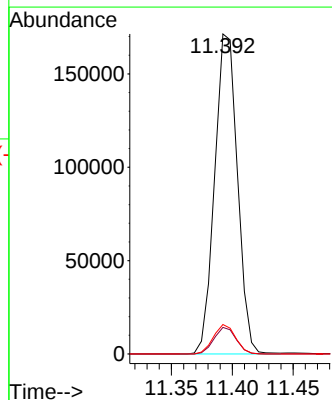
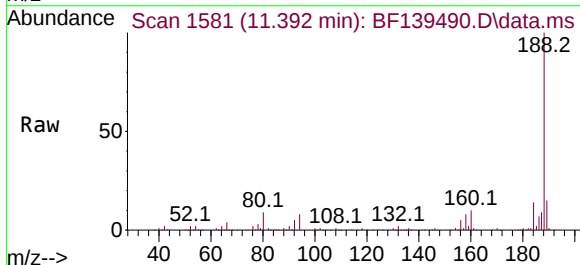
Instrument :
BNA_F
ClientSampleId :
WC-B-COMPDL

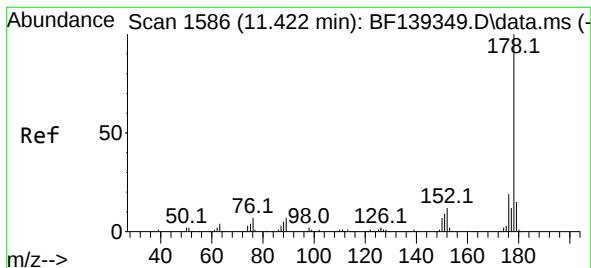
Tgt Ion:166 Resp: 21844
Ion Ratio Lower Upper
166 100
165 90.4 74.5 111.7
167 15.0 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139490.D
Acq: 20 Sep 2024 03:57

Tgt Ion:188 Resp: 223216
Ion Ratio Lower Upper
188 100
94 8.3 5.5 8.3#
80 9.2 6.6 9.8





#71

Phenanthrene

Concen: 24.079 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPDL

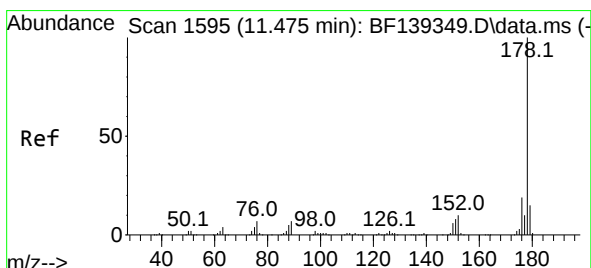
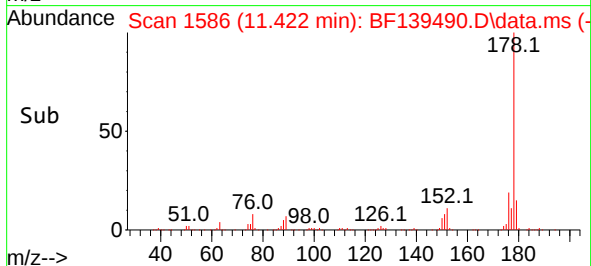
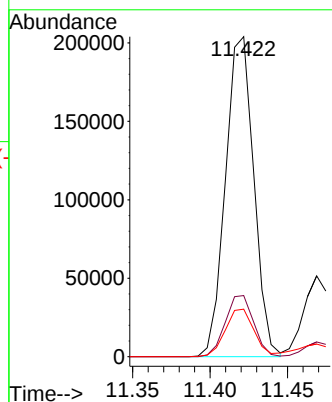
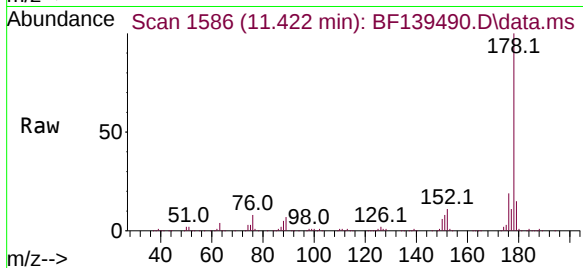
Tgt Ion:178 Resp: 259312

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 14.8 12.2 18.4



#72

Anthracene

Concen: 6.252 ng

RT: 11.469 min Scan# 1594

Delta R.T. -0.006 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

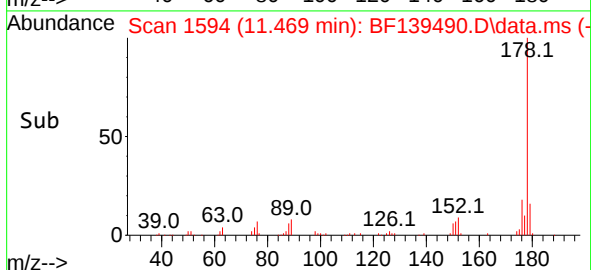
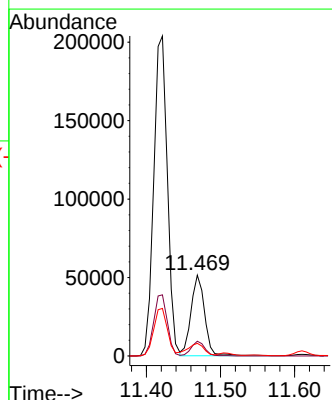
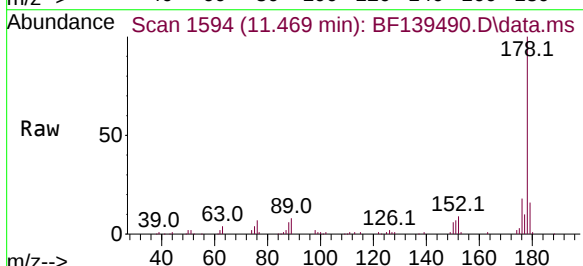
Tgt Ion:178 Resp: 65828

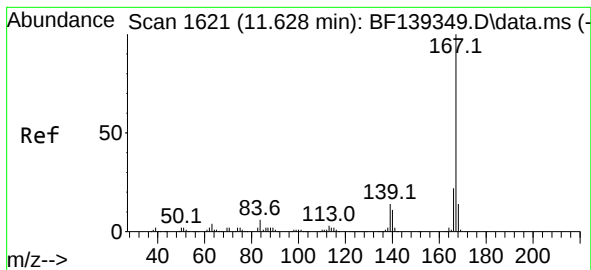
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 15.7 12.0 18.0





#73

Carbazole

Concen: 2.911 ng

RT: 11.628 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPDL

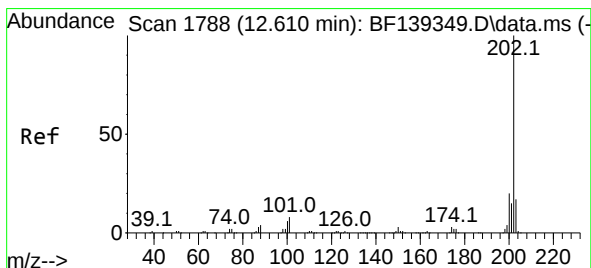
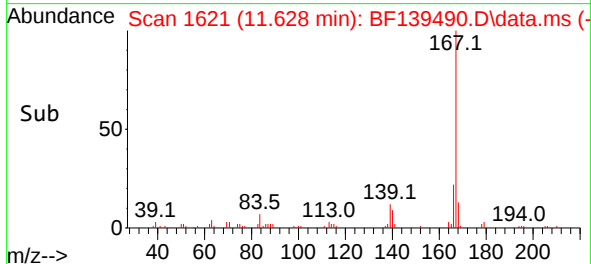
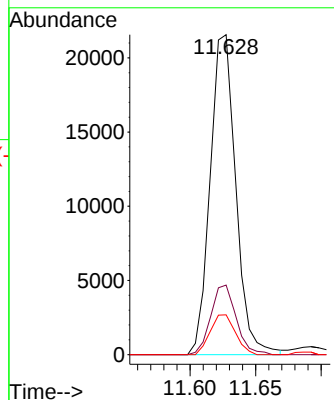
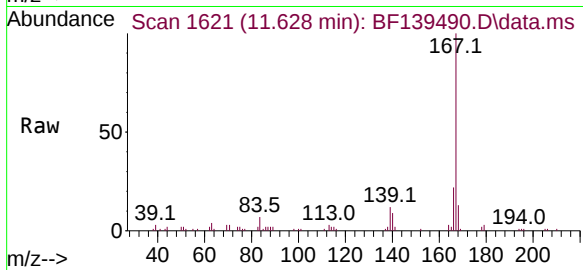
Tgt Ion:167 Resp: 29332

Ion Ratio Lower Upper

167 100

166 21.8 17.5 26.3

139 12.4 10.9 16.3



#75

Fluoranthene

Concen: 28.603 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

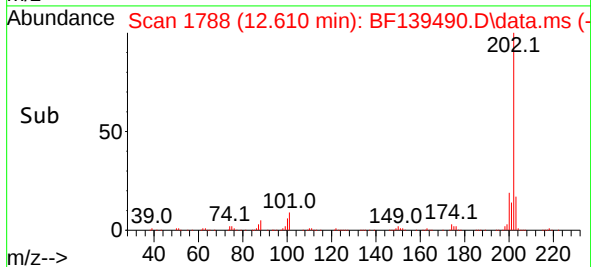
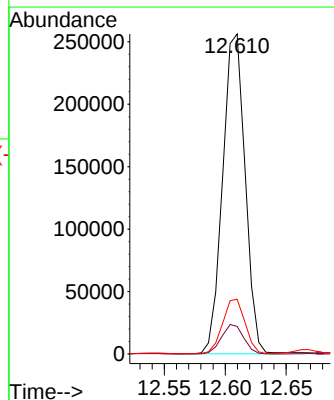
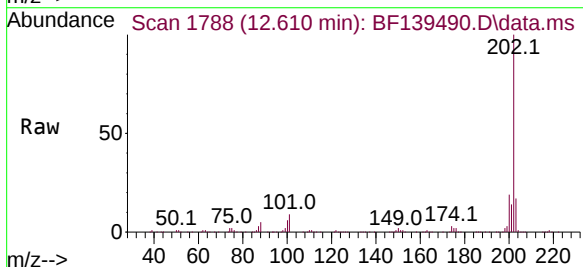
Tgt Ion:202 Resp: 328953

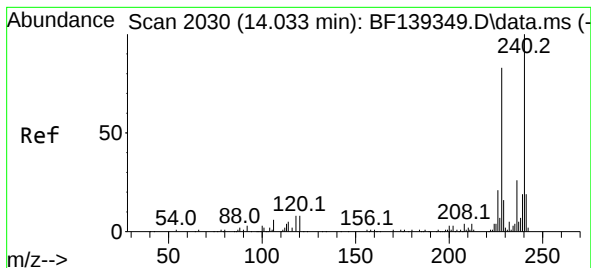
Ion Ratio Lower Upper

202 100

101 8.6 0.0 27.7

203 17.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPDL

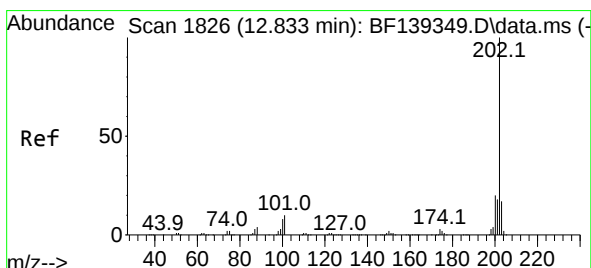
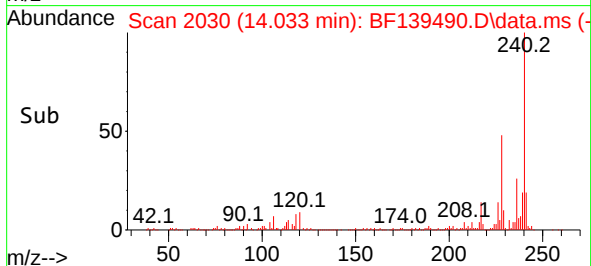
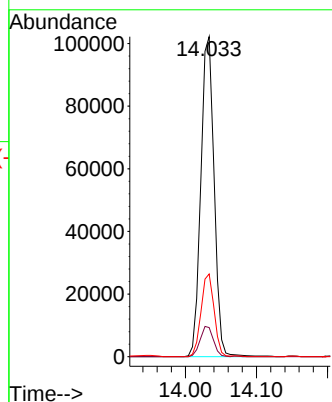
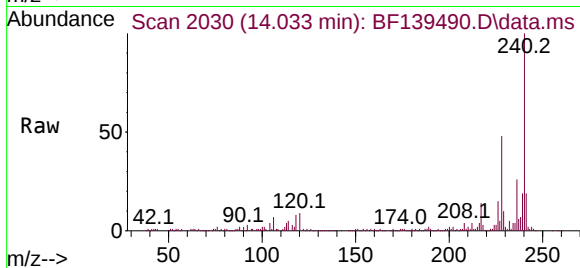
Tgt Ion:240 Resp: 133455

Ion Ratio Lower Upper

240 100

120 9.1 6.2 9.2

236 25.9 20.9 31.3



#78

Pyrene

Concen: 24.220 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

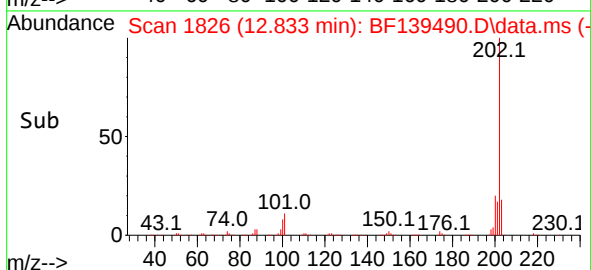
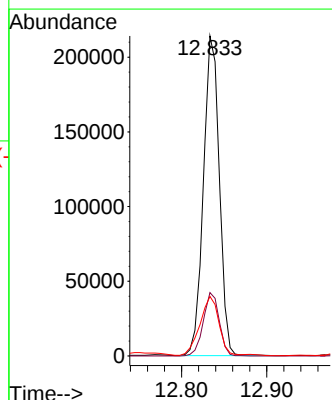
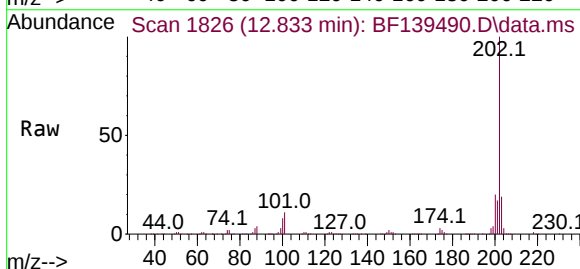
Tgt Ion:202 Resp: 277534

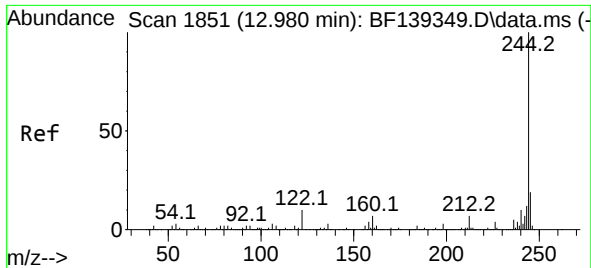
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 18.6 13.9 20.9

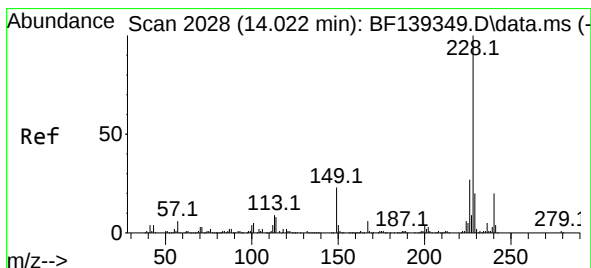
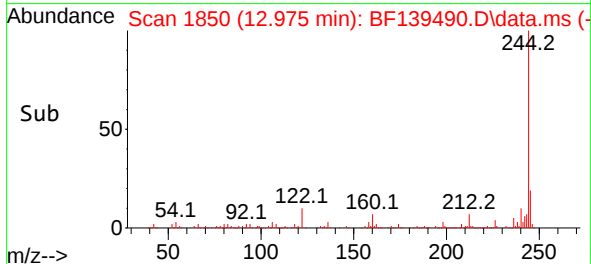
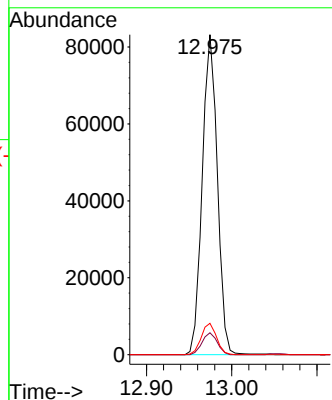
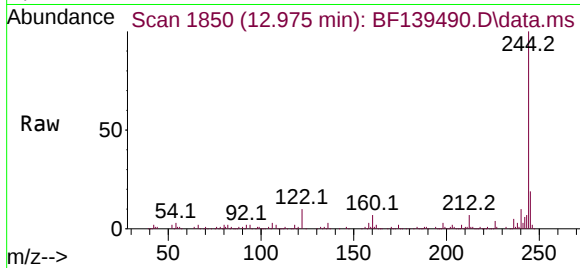




#79
 Terphenyl-d14
 Concen: 12.591 ng
 RT: 12.975 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF139490.D
 Acq: 20 Sep 2024 03:57

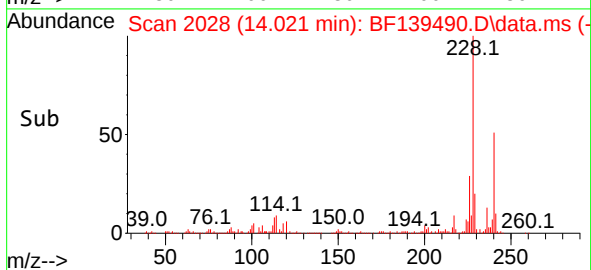
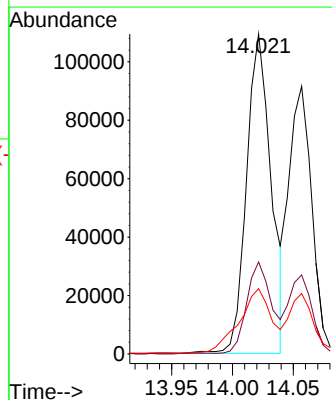
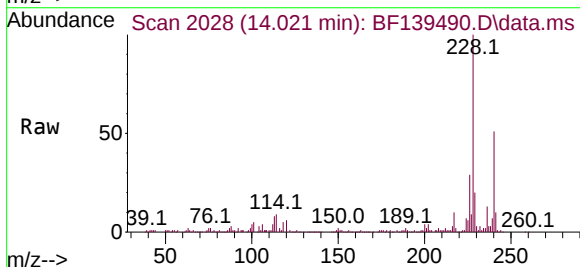
Instrument :
 BNA_F
 ClientSampleId :
 WC-B-COMPDL

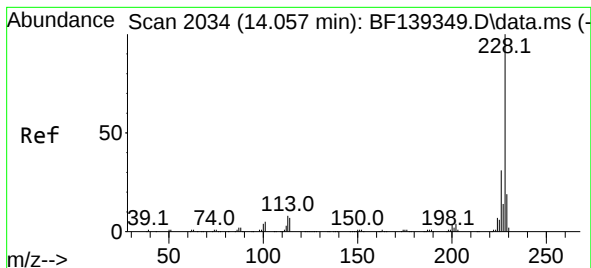
Tgt Ion:244 Resp: 102373
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.8 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 17.460 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BF139490.D
 Acq: 20 Sep 2024 03:57

Tgt Ion:228 Resp: 154346
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.6 32.4
 229 20.4 15.7 23.5





#83

Chrysene

Concen: 14.604 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPDL

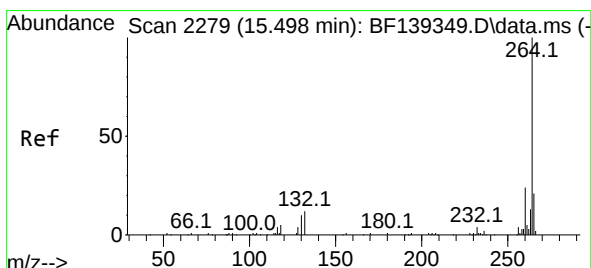
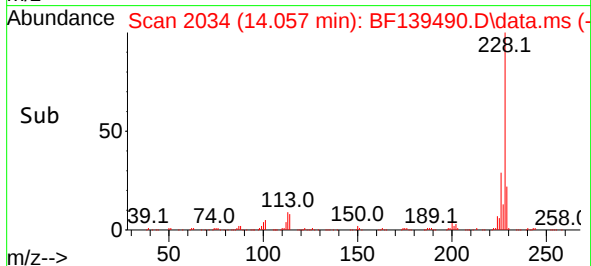
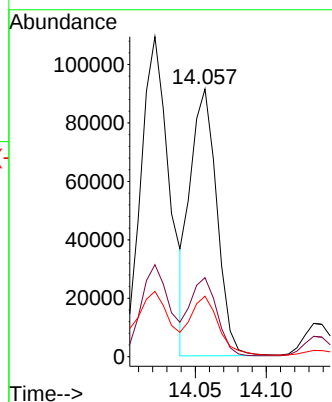
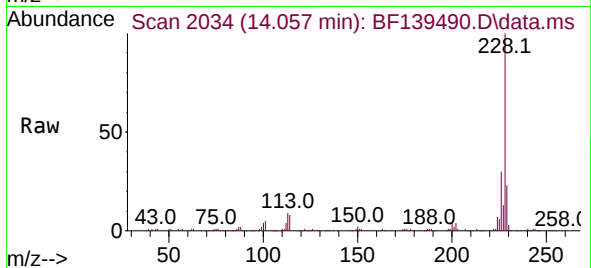
Tgt Ion:228 Resp: 118772

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

229 22.6 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.000 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

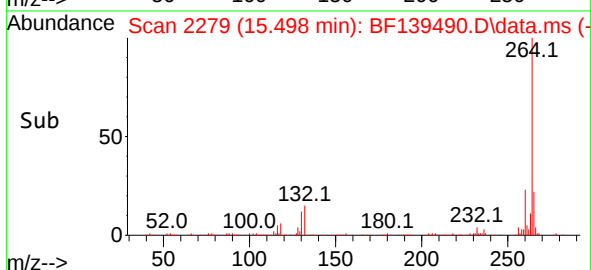
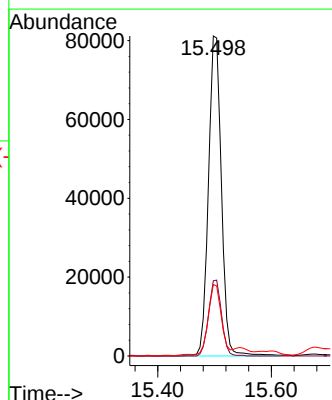
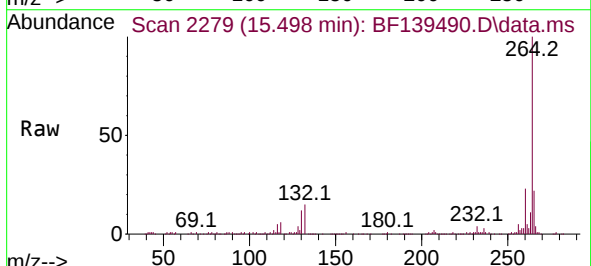
Tgt Ion:264 Resp: 127899

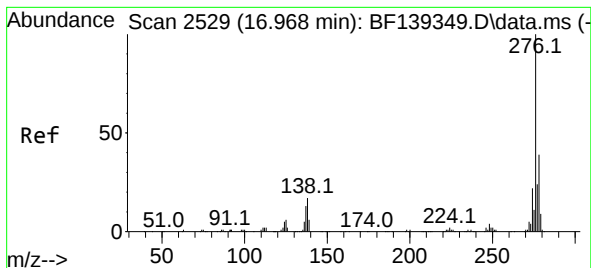
Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 22.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.179 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPDL

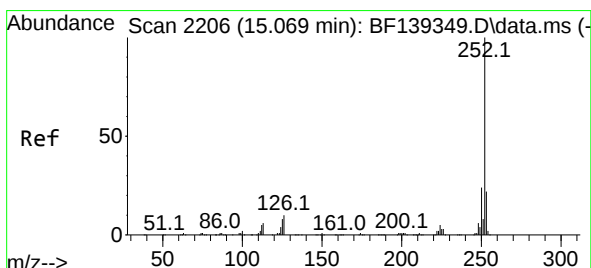
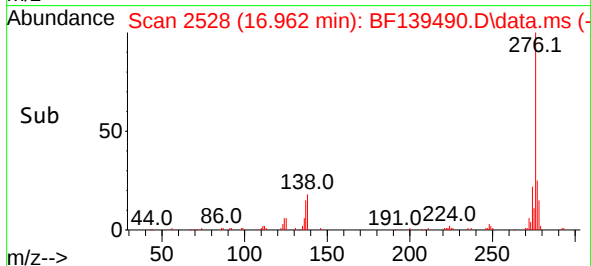
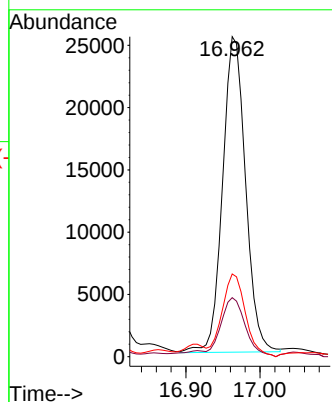
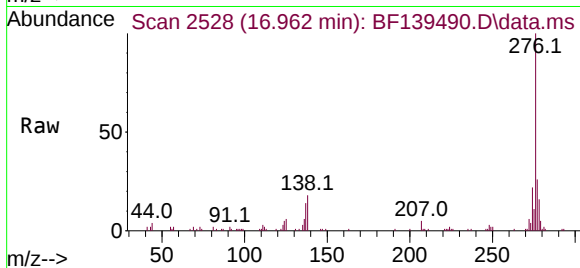
Tgt Ion:276 Resp: 54598

Ion Ratio Lower Upper

276 100

138 21.7 15.4 23.2

277 26.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 29.873 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

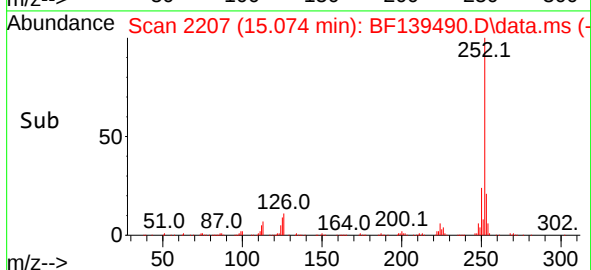
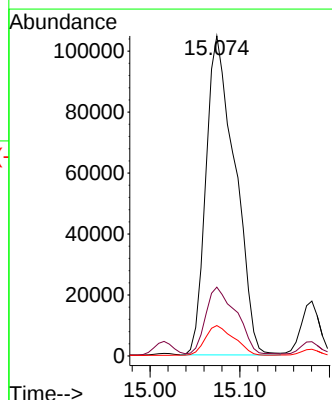
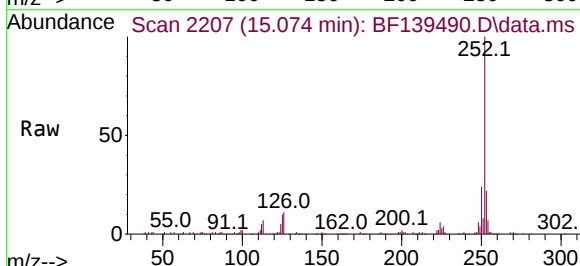
Tgt Ion:252 Resp: 235639

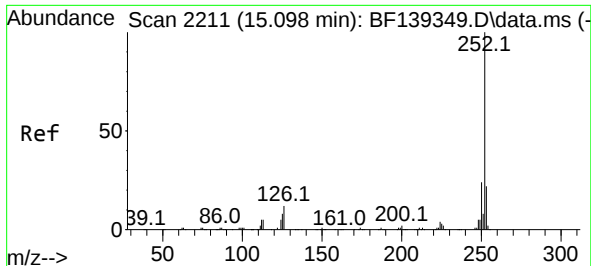
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 9.5 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 32.399 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

Instrument :

BNA_F

ClientSampleId :

WC-B-COMPDL

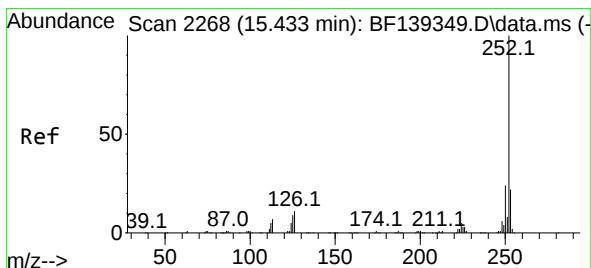
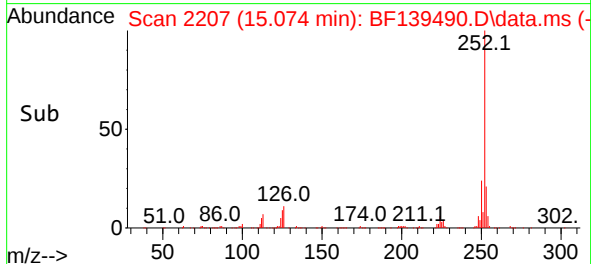
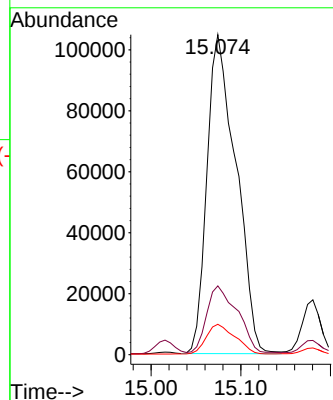
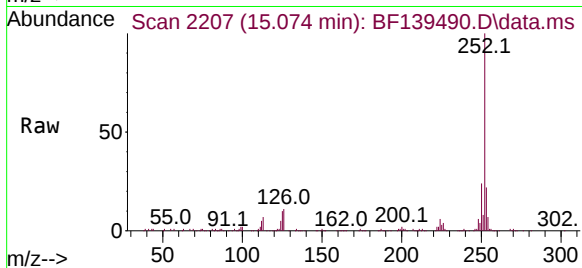
Tgt Ion:252 Resp: 235639

Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 9.5 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 17.863 ng

RT: 15.439 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF139490.D

Acq: 20 Sep 2024 03:57

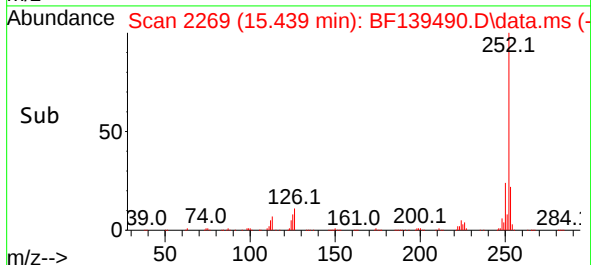
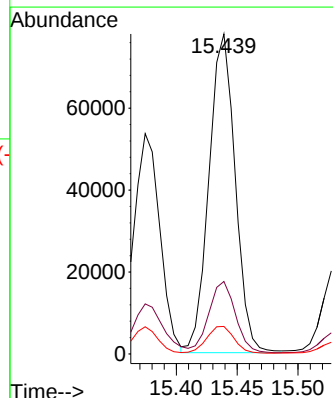
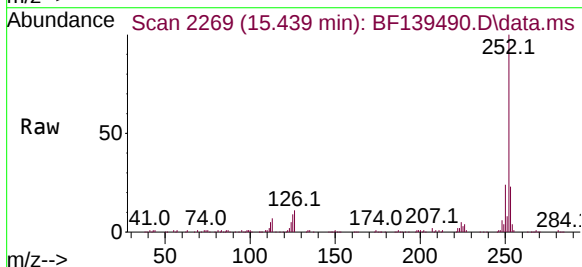
Tgt Ion:252 Resp: 116856

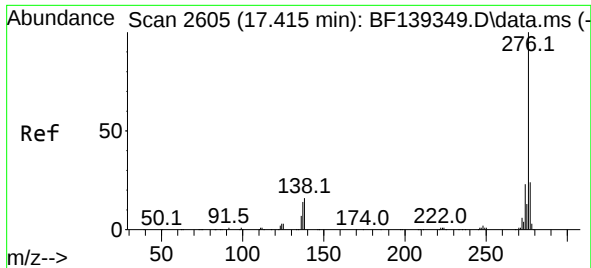
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

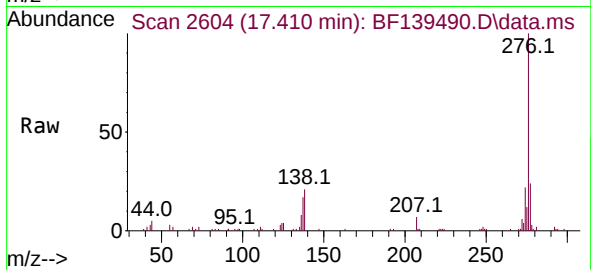
125 8.6 6.8 10.2





#92
 Benzo(g,h,i)perylene
 Concen: 8.492 ng
 RT: 17.410 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF139490.D
 Acq: 20 Sep 2024 03:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-B-COMPDL



Tgt Ion:276 Resp: 52839
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.9 28.3
 138 21.1 13.0 19.6#

