

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139411.D
 Acq On : 17 Sep 2024 19:30
 Operator : RC/JU
 Sample : P3984-07 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

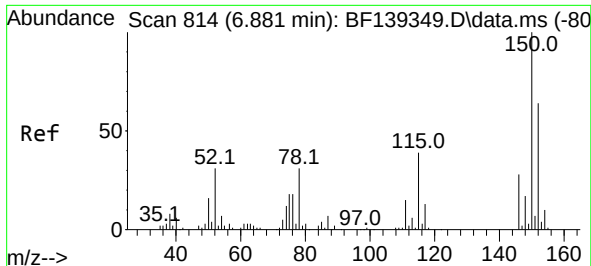
Instrument :
 BNA_F
 ClientSampleId :
 WC-C-COMP

Quant Time: Sep 18 00:48:10 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)

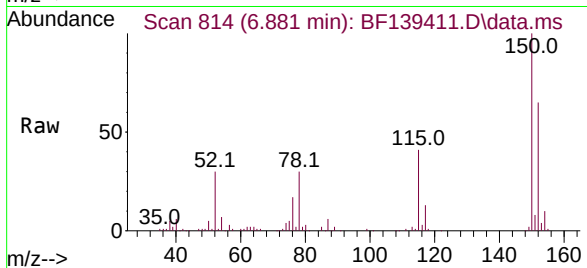
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	64239	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	208488	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	93687	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	164195	20.000	ng	0.00
76) Chrysene-d12	14.033	240	101207	20.000	ng	0.00
86) Perylene-d12	15.504	264	77017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	148801	37.788	ng	0.00
7) Phenol-d6	6.498	99	186855	36.152	ng	0.00
23) Nitrobenzene-d5	7.434	82	126469	28.517	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	34286	34.375	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	210310	31.484	ng	0.00
79) Terphenyl-d14	12.980	244	200423	32.505	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	18017	5.882	ng	# 78
25) Isophorone	7.434	82	126468	18.031	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	12982	9.530	ng	# 14
56) 4-Nitrophenol	10.116	139	3758	3.336	ng	# 1
57) 2,4-Dinitrotoluene	9.910	165	12982	7.059	ng	# 16
71) Phenanthrene	11.422	178	174400	22.015	ng	100
72) Anthracene	11.469	178	39446	5.093	ng	97
73) Carbazole	11.628	167	22678	3.059	ng	99
75) Fluoranthene	12.610	202	304856	36.036	ng	100
77) Benzidine	12.974	184	3360	2.317	ng	# 88
78) Pyrene	12.839	202	262226	30.176	ng	99
81) Benzo(a)anthracene	14.021	228	112783	16.823	ng	98
83) Chrysene	14.057	228	91772	14.880	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	9593	2.549	ng	98
88) Benzo(b)fluoranthene	15.074	252	131353	27.654	ng	98
89) Benzo(k)fluoranthene	15.074	252	131353	29.992	ng	# 98
90) Benzo(a)pyrene	15.439	252	62500	15.866	ng	97
91) Dibenzo(a,h)anthracene	16.980	278	10638	2.811	ng	# 91
92) Benzo(g,h,i)perylene	17.409	276	45875	12.243	ng	98

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

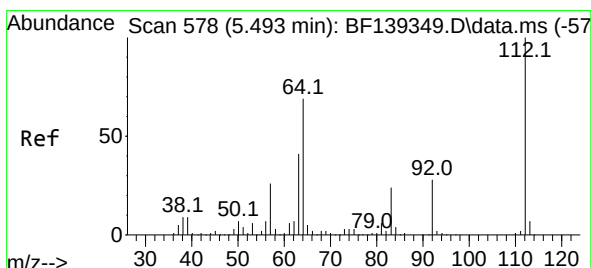
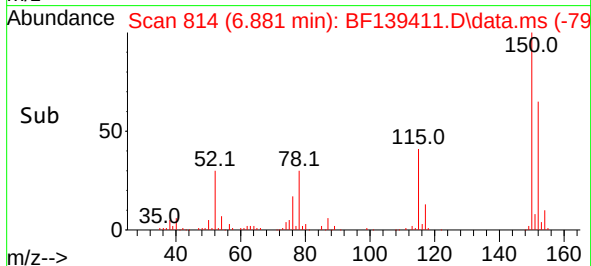
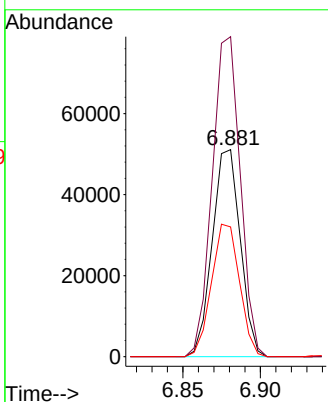


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Instrument :
BNA_F
ClientSampleId :
WC-C-COMP

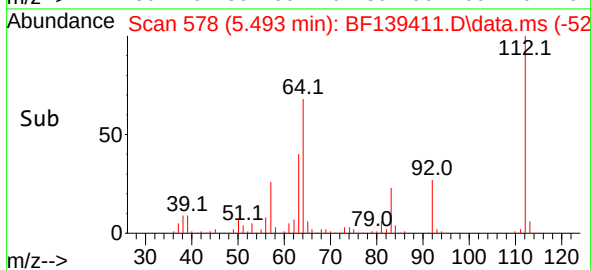
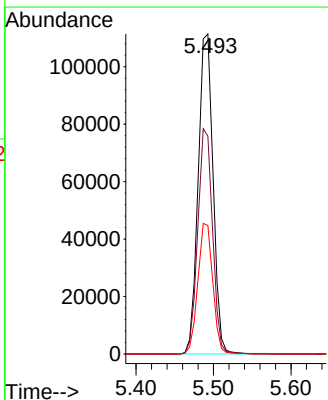
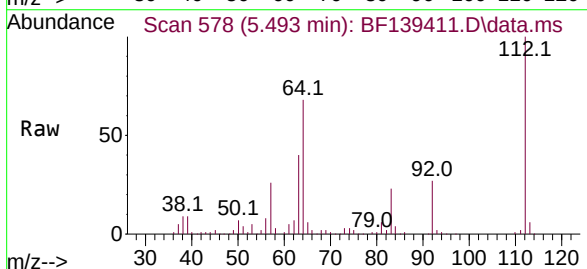


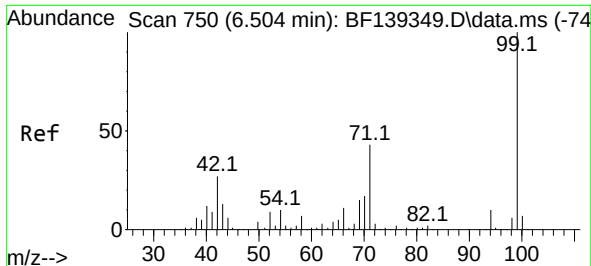
Tgt Ion:152 Resp: 64239
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 62.7 48.1 72.1



#5
2-Fluorophenol
Concen: 37.788 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion:112 Resp: 148801
Ion Ratio Lower Upper
112 100
64 68.0 54.8 82.2
63 40.1 33.0 49.4

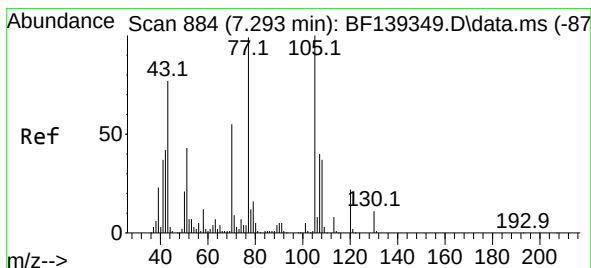
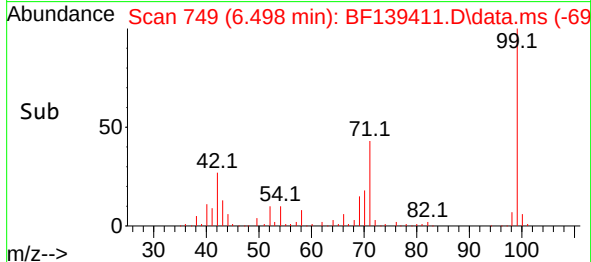
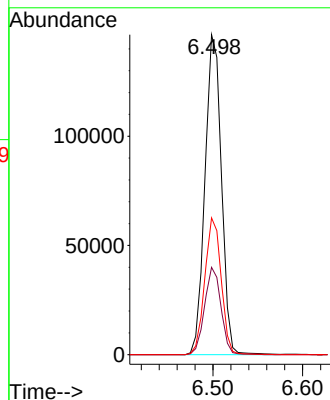
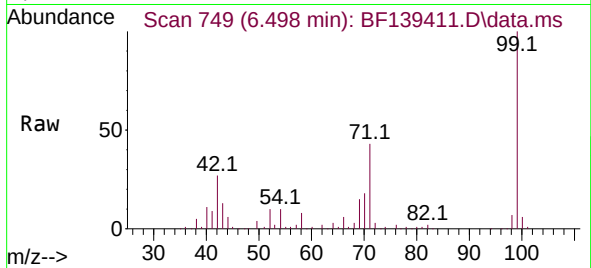




#7
Phenol-d6
Concen: 36.152 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

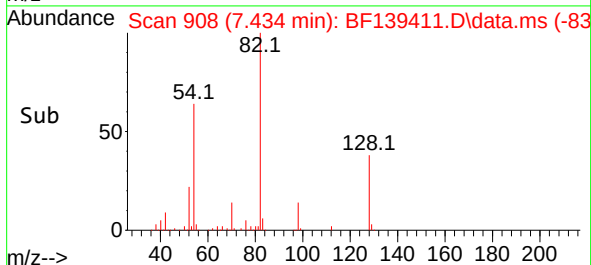
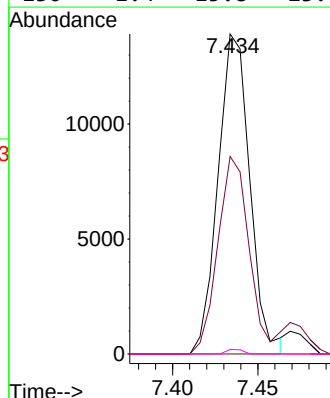
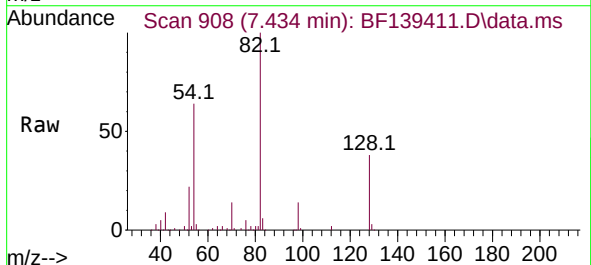
Instrument :
BNA_F
ClientSampleId :
WC-C-COMP

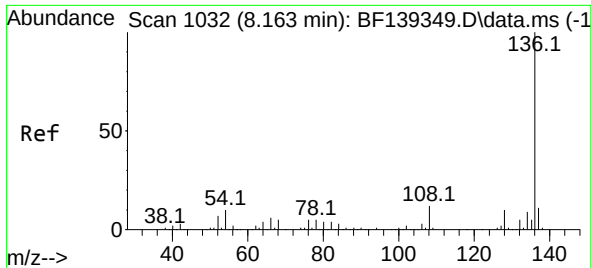
Tgt Ion: 99 Resp: 186855
Ion Ratio Lower Upper
99 100
42 27.3 21.9 32.9
71 42.7 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.882 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion: 70 Resp: 18017
Ion Ratio Lower Upper
70 100
42 61.7 61.2 91.8
101 0.0 7.5 11.3#
130 1.4 15.8 23.8#



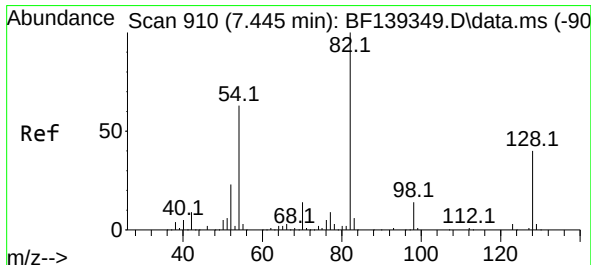
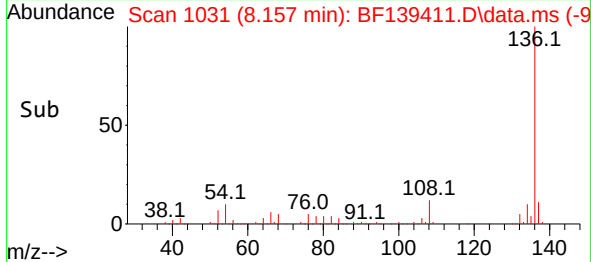
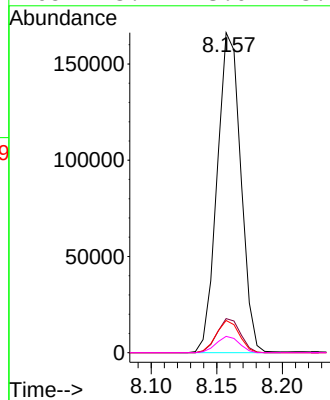
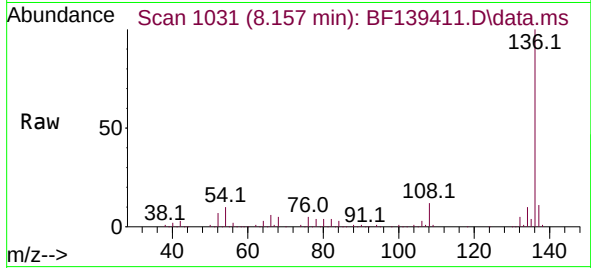


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Instrument :
BNA_F
ClientSampleId :
WC-C-COMP

Tgt Ion:136 Resp: 208488

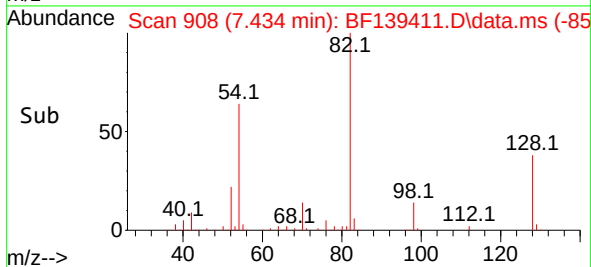
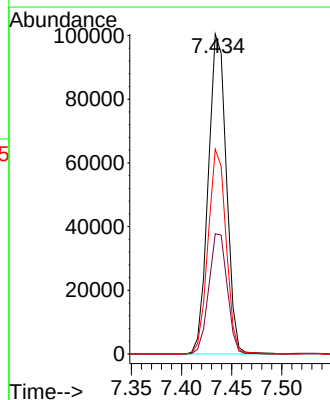
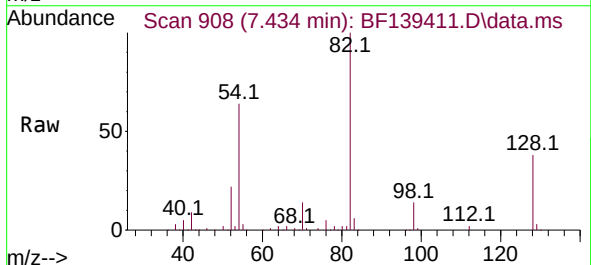
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	10.1	7.8	11.8
68	5.1	3.6	5.4

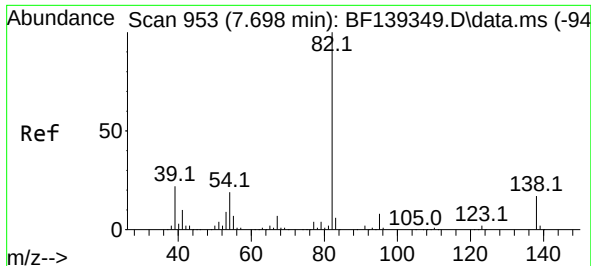


#23
Nitrobenzene-d5
Concen: 28.517 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion: 82 Resp: 126469

Ion	Ratio	Lower	Upper
82	100		
128	37.6	31.8	47.6
54	64.0	50.6	75.8

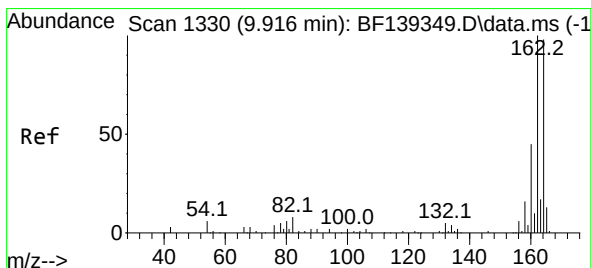
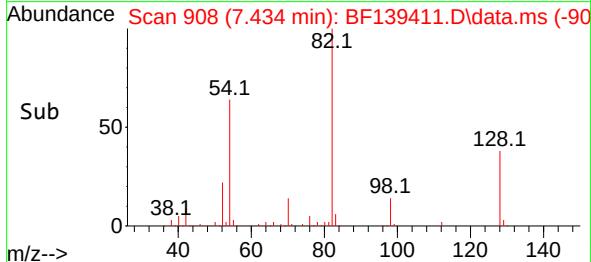
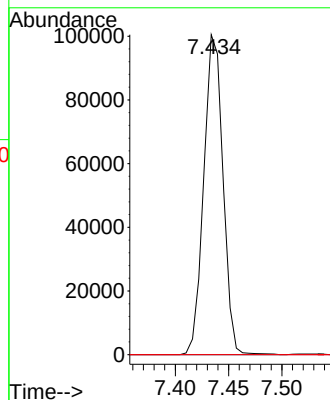
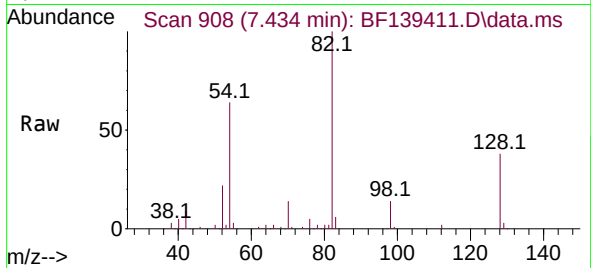




#25
Isophorone
Concen: 18.031 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

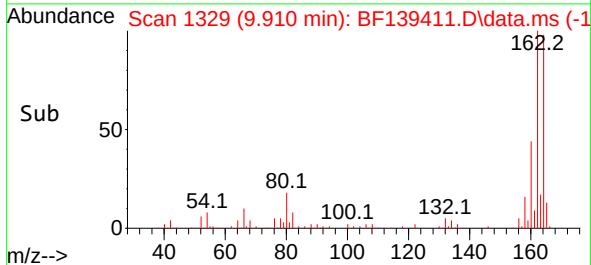
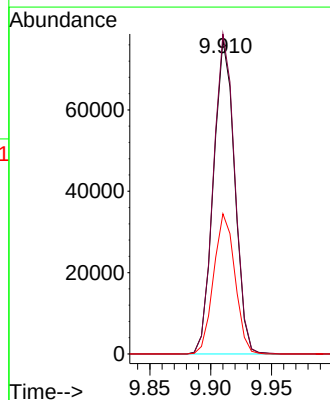
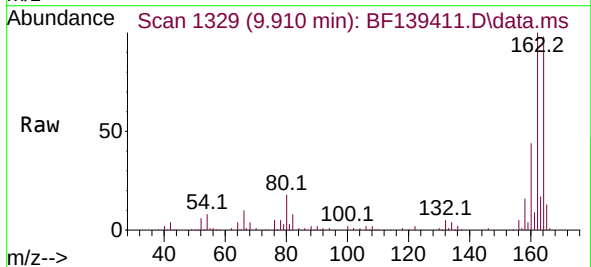
Instrument :
BNA_F
ClientSampleId :
WC-C-COMP

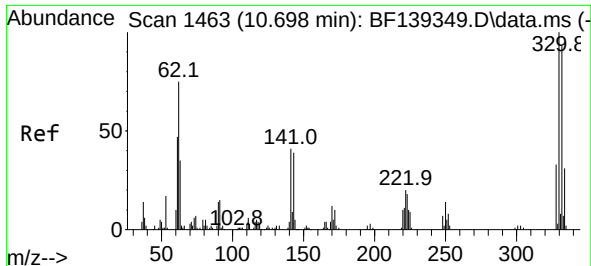
Tgt Ion: 82 Resp: 126468
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion:164 Resp: 93687
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 44.6 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 34.375 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139411.D

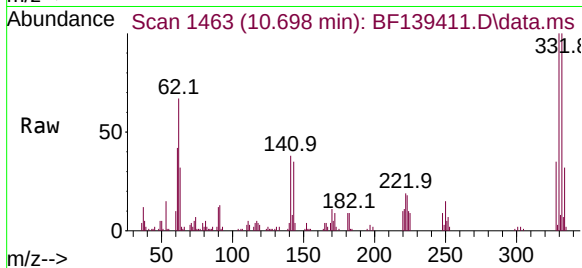
Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP



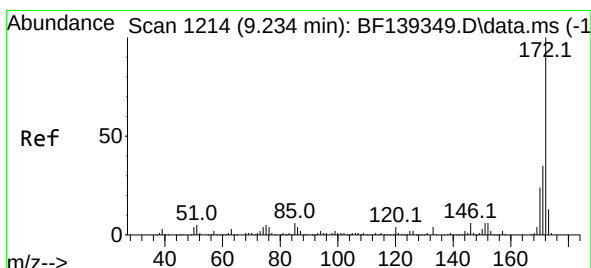
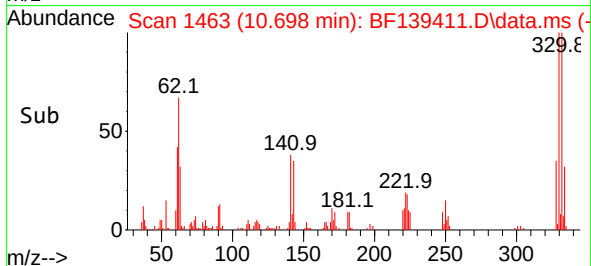
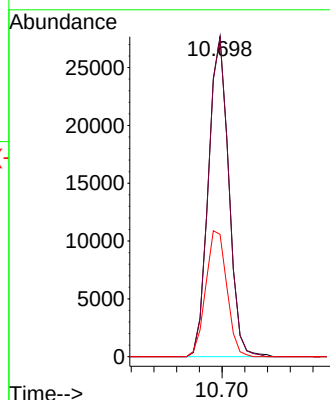
Tgt Ion:330 Resp: 34286

Ion Ratio Lower Upper

330 100

332 99.6 75.2 112.8

141 40.8 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 31.484 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

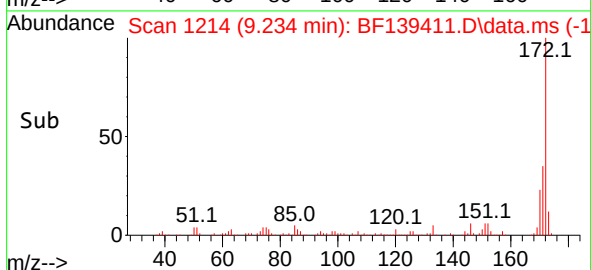
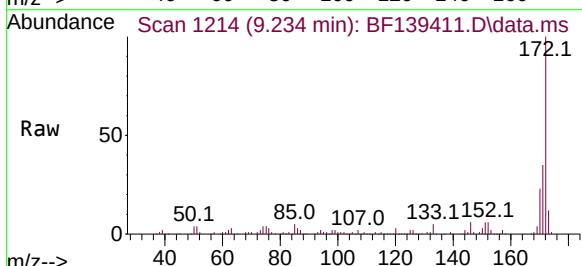
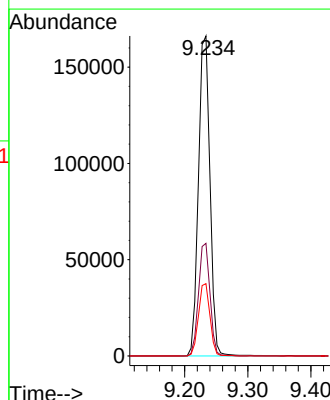
Tgt Ion:172 Resp: 210310

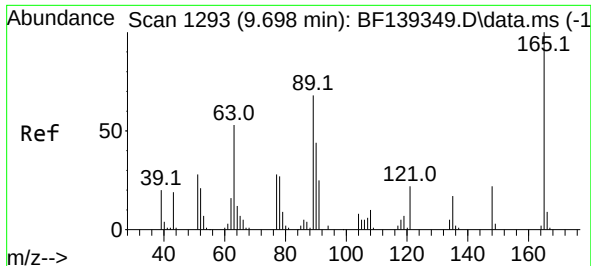
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 22.6 19.0 28.6

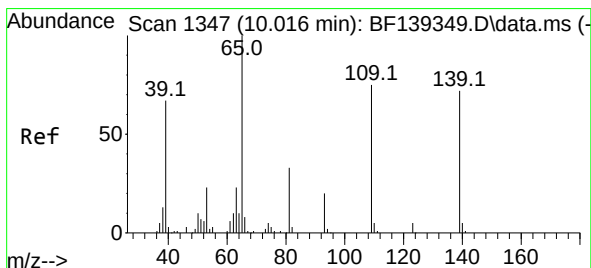
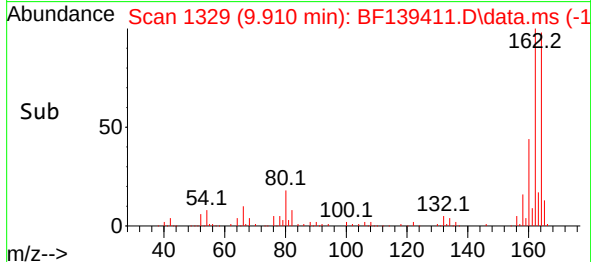
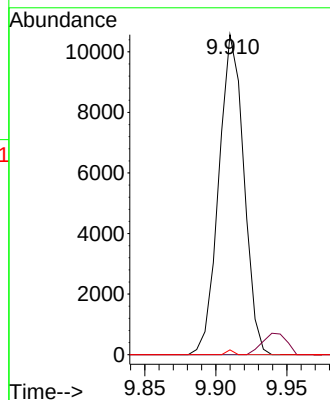
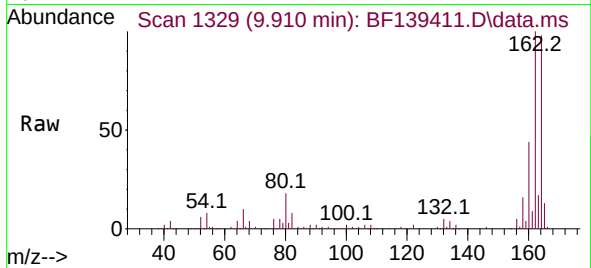




#51
2,6-Dinitrotoluene
Concen: 9.530 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

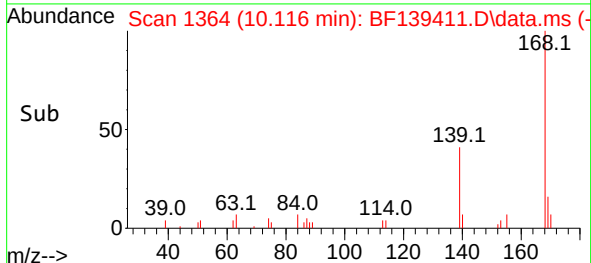
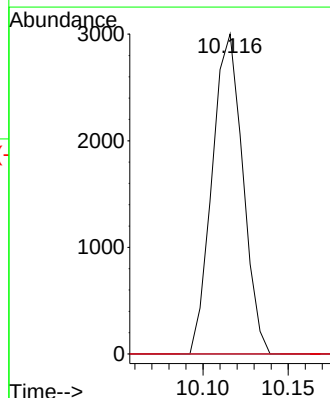
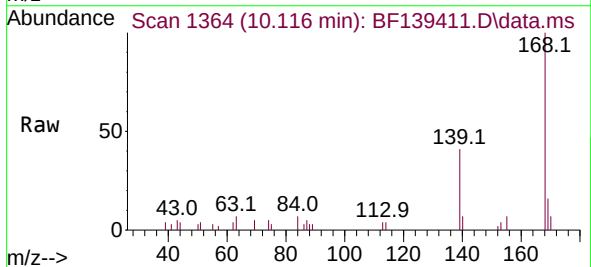
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BNA_F
ClientSampleId :
WC-C-COMP

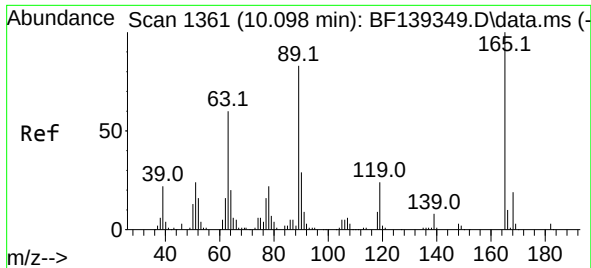
Tgt Ion:165 Resp: 12982
Ion Ratio Lower Upper
165 100
63 0.0 60.9 91.3#
89 1.5 54.7 82.1#



#56
4-Nitrophenol
Concen: 3.336 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.100 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion:139 Resp: 3758
Ion Ratio Lower Upper
139 100
109 0.0 84.1 124.1#
65 0.0 120.0 160.0#

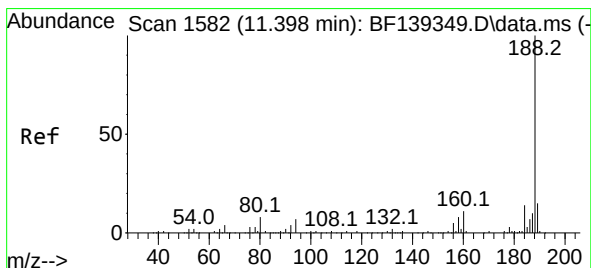
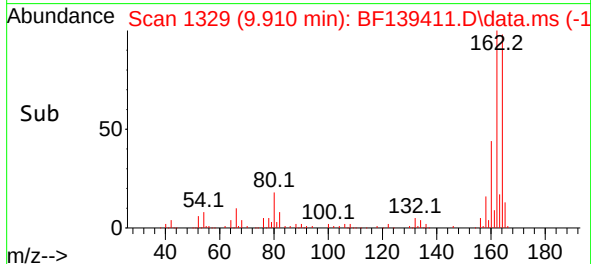
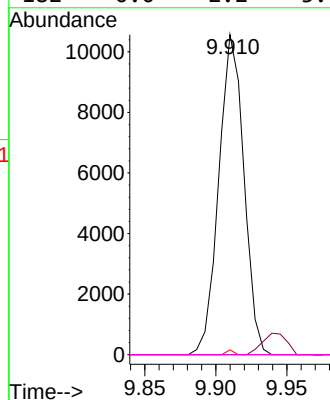
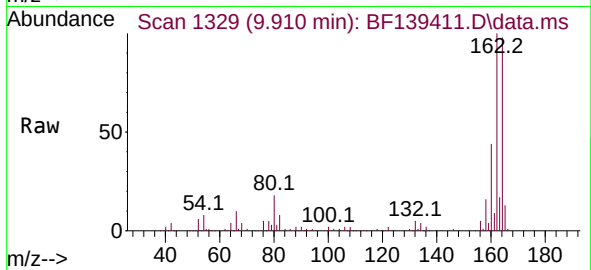




#57
2,4-Dinitrotoluene
Concen: 7.059 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

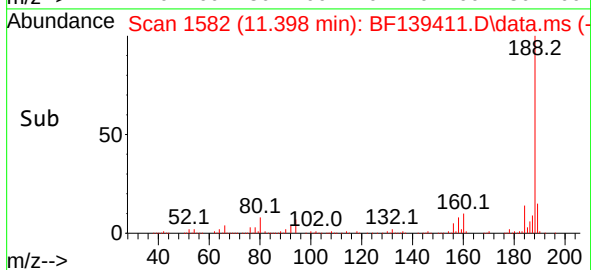
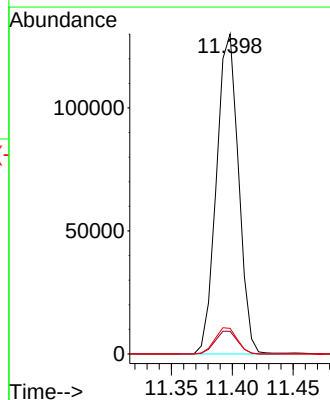
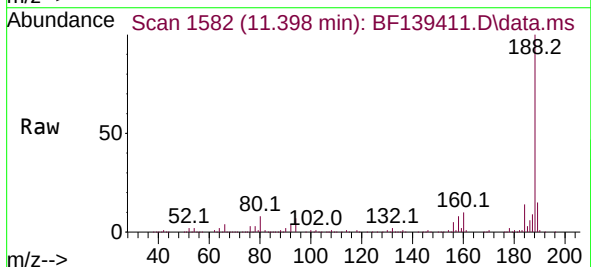
Instrument :
BNA_F
ClientSampleId :
WC-C-COMP

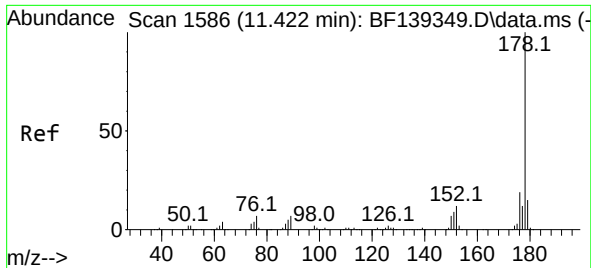
Tgt Ion:165 Resp: 12982
Ion Ratio Lower Upper
165 100
63 0.0 47.8 71.6#
89 1.5 66.7 100.1#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion:188 Resp: 164195
Ion Ratio Lower Upper
188 100
94 7.1 5.5 8.3
80 8.0 6.6 9.8

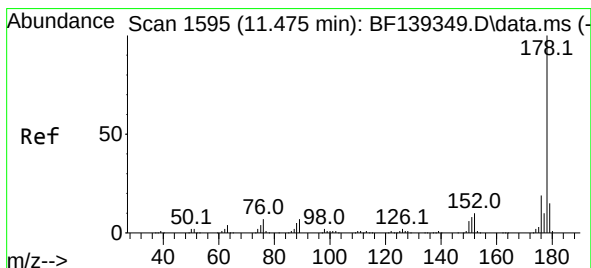
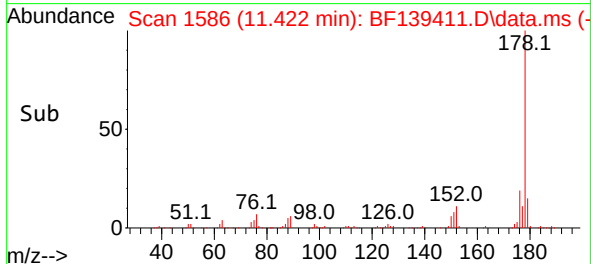
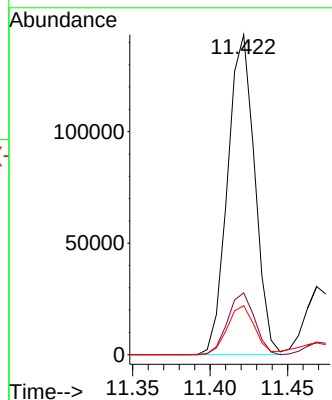
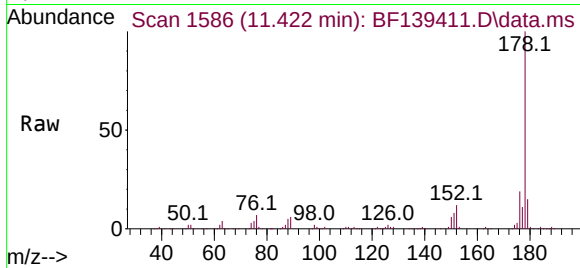




#71
Phenanthrene
Concen: 22.015 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

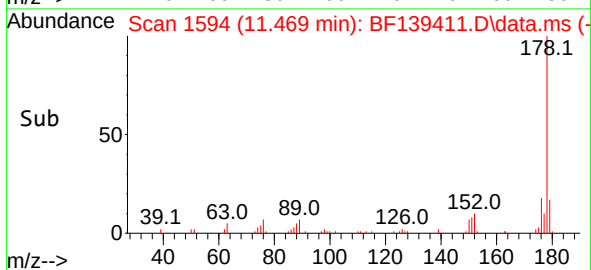
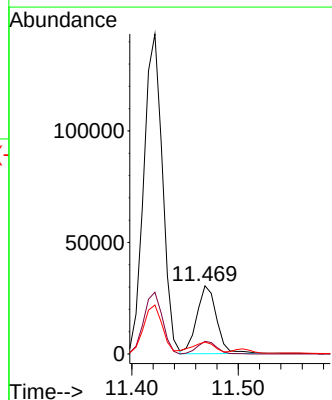
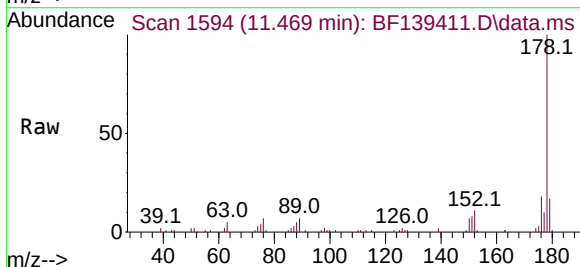
Instrument :
BNA_F
ClientSampleId :
WC-C-COMP

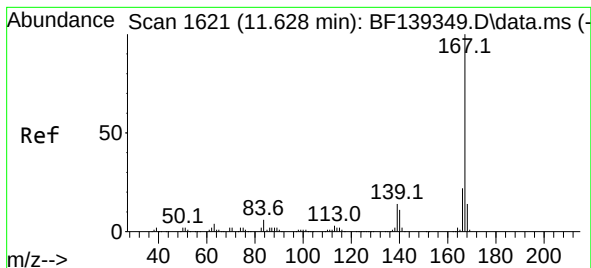
Tgt Ion:178 Resp: 174400
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.3 12.2 18.4



#72
Anthracene
Concen: 5.093 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion:178 Resp: 39446
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 17.4 12.0 18.0





#73

Carbazole

Concen: 3.059 ng

RT: 11.628 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

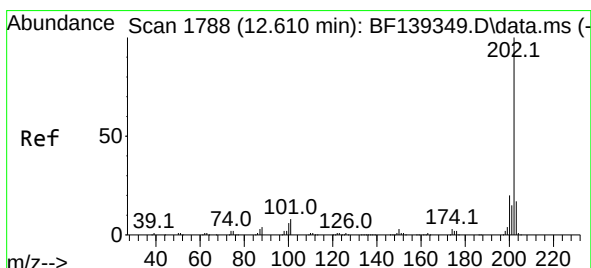
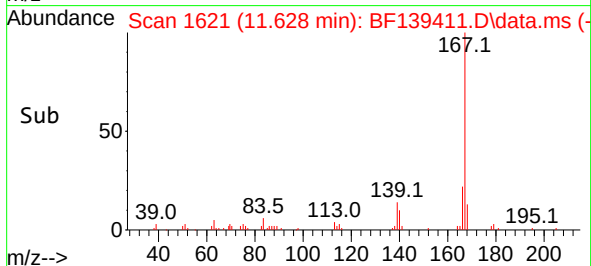
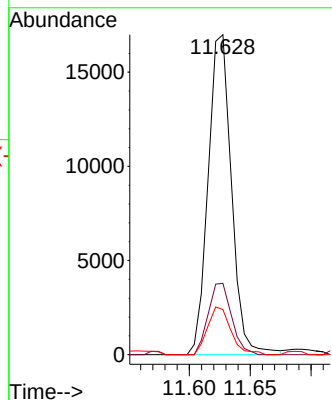
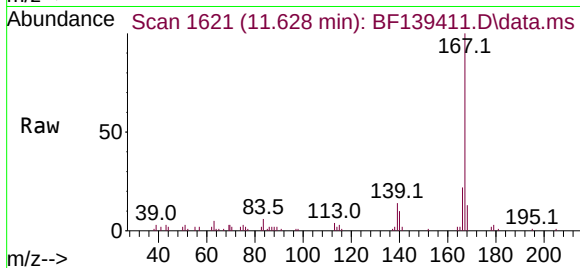
Tgt Ion:167 Resp: 22678

Ion Ratio Lower Upper

167 100

166 22.3 17.5 26.3

139 14.1 10.9 16.3



#75

Fluoranthene

Concen: 36.036 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

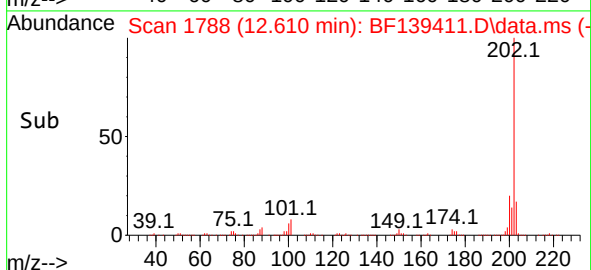
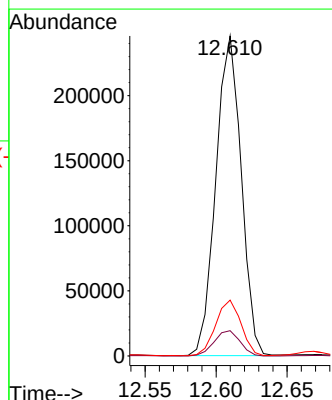
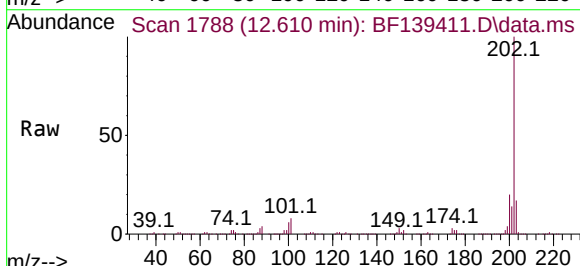
Tgt Ion:202 Resp: 304856

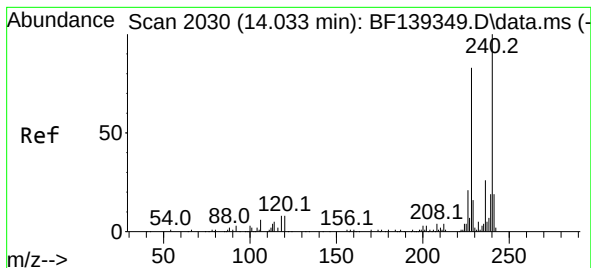
Ion Ratio Lower Upper

202 100

101 7.9 0.0 27.7

203 17.5 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: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

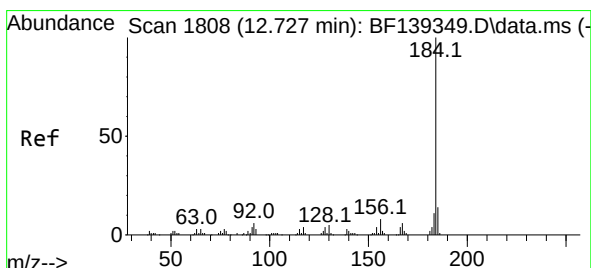
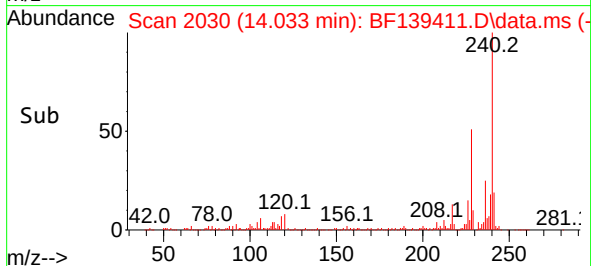
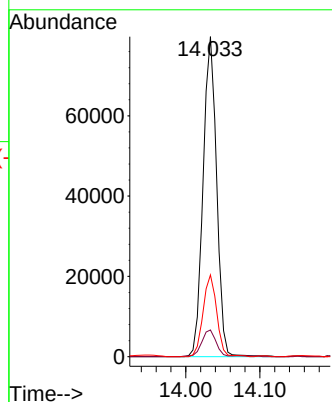
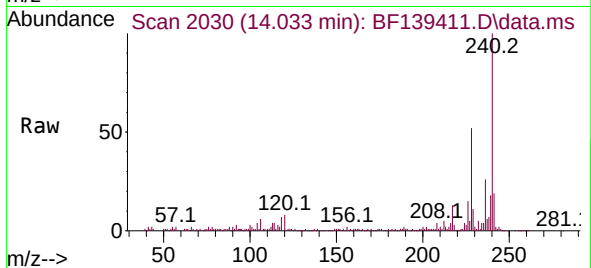
Tgt Ion:240 Resp: 101207

Ion Ratio Lower Upper

240 100

120 8.4 6.2 9.2

236 25.6 20.9 31.3



#77

Benzidine

Concen: 2.317 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

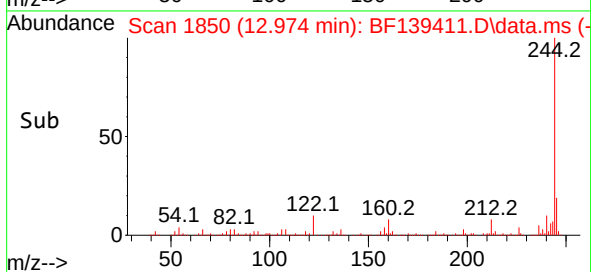
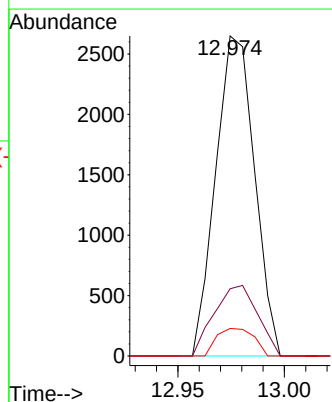
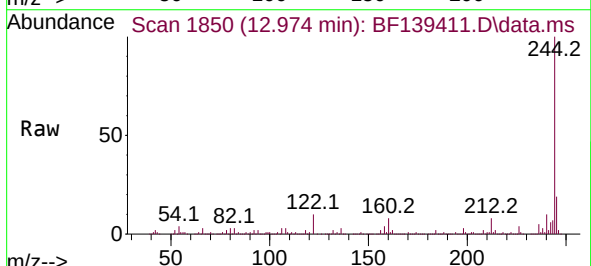
Tgt Ion:184 Resp: 3360

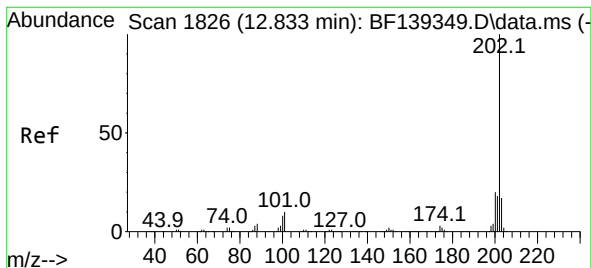
Ion Ratio Lower Upper

184 100

185 21.0 11.5 17.3#

183 8.6 8.9 13.3#





#78

Pyrene

Concen: 30.176 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

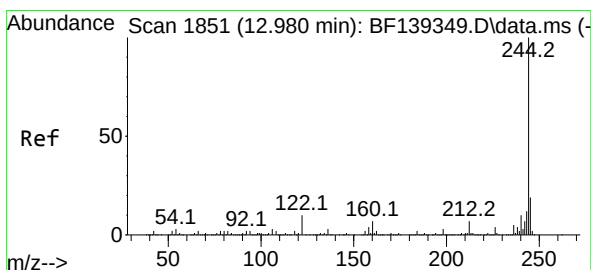
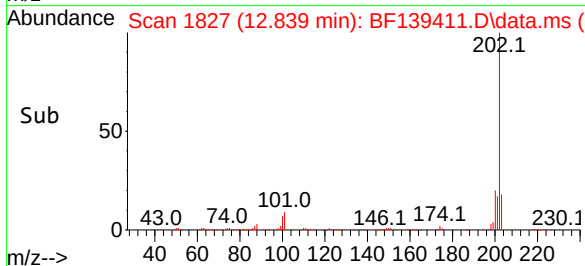
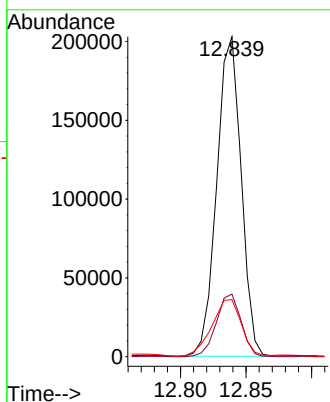
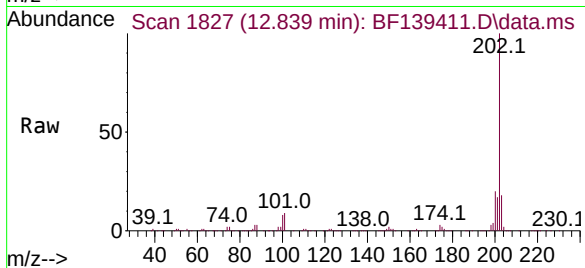
Tgt Ion:202 Resp: 262226

Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 17.9 13.9 20.9



#79

Terphenyl-d14

Concen: 32.505 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

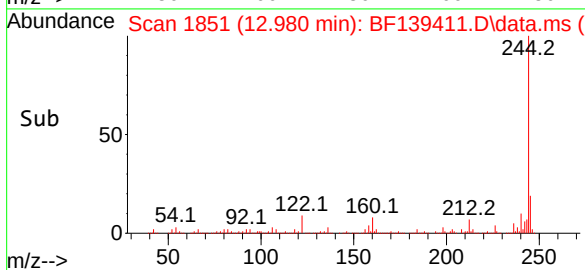
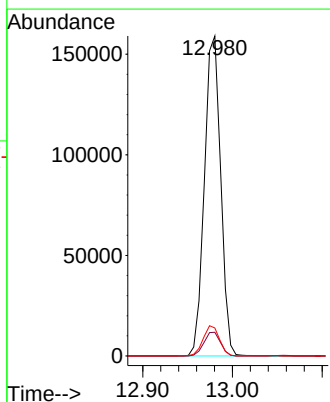
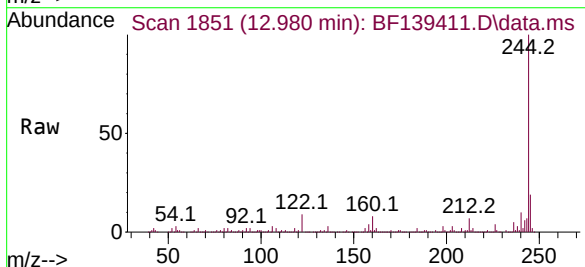
Tgt Ion:244 Resp: 200423

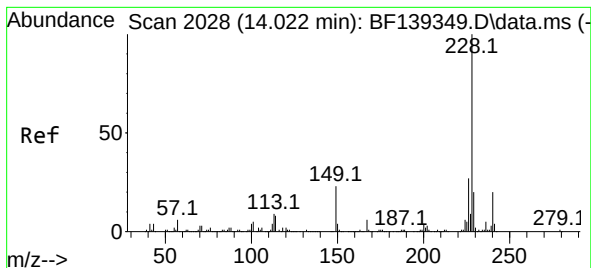
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 8.8 7.6 11.4





#81

Benzo(a)anthracene

Concen: 16.823 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

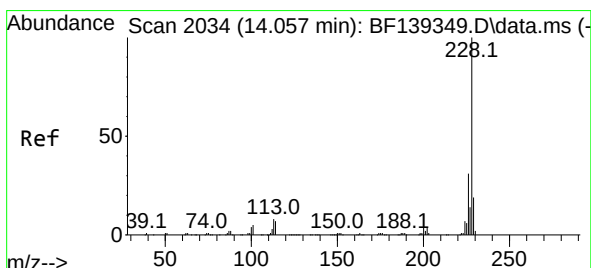
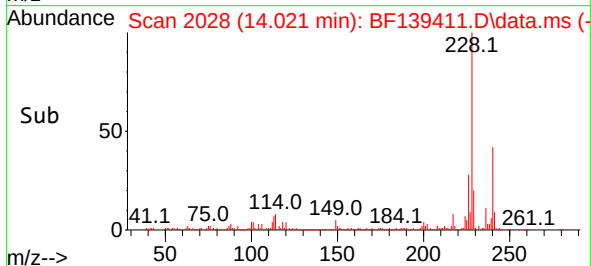
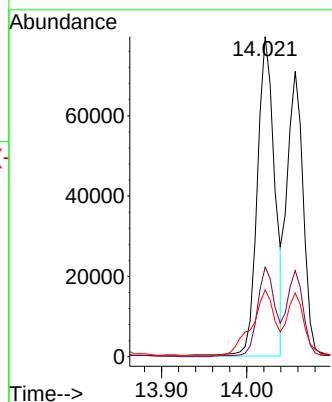
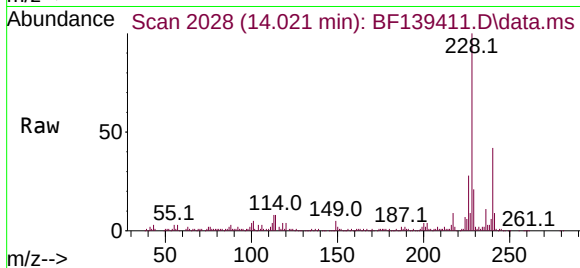
Tgt Ion:228 Resp: 112783

Ion Ratio Lower Upper

228 100

226 28.0 21.6 32.4

229 20.9 15.7 23.5



#83

Chrysene

Concen: 14.880 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

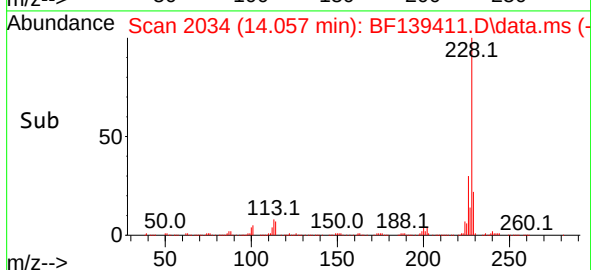
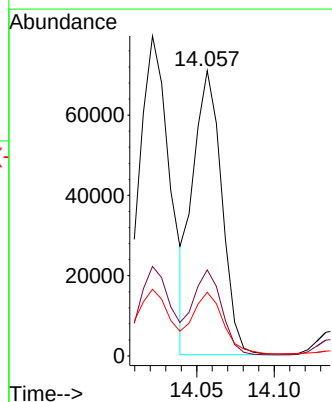
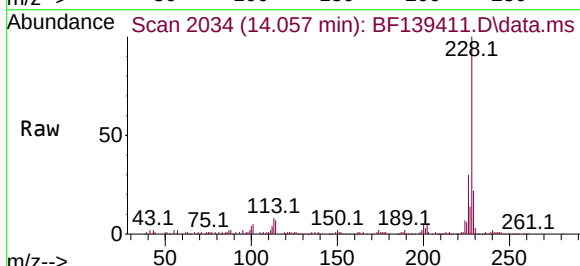
Tgt Ion:228 Resp: 91772

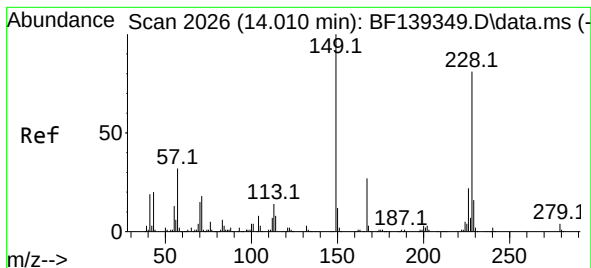
Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 22.3 15.4 23.0

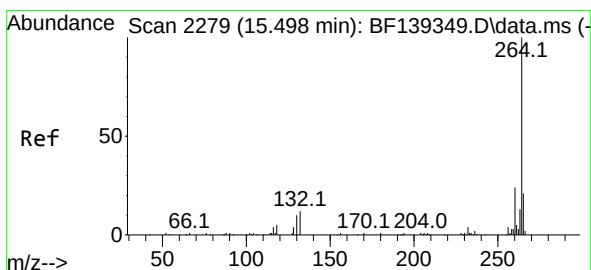
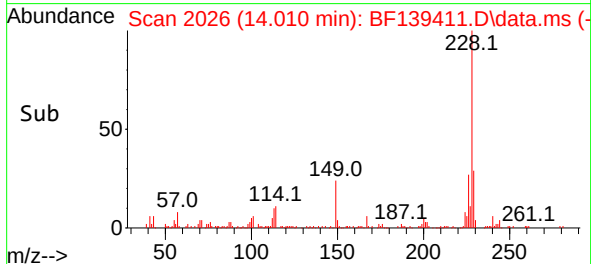
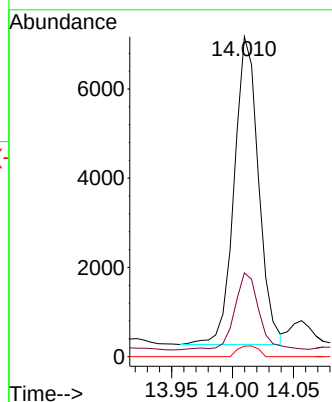
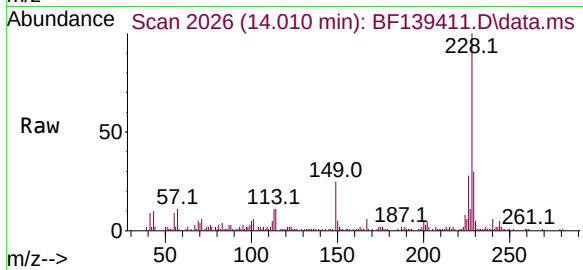




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.549 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

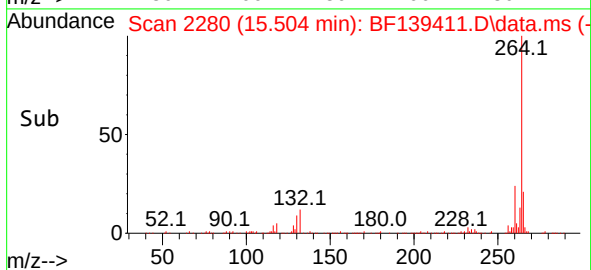
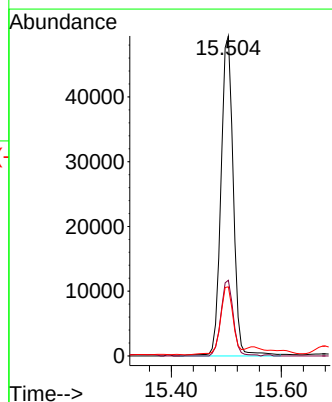
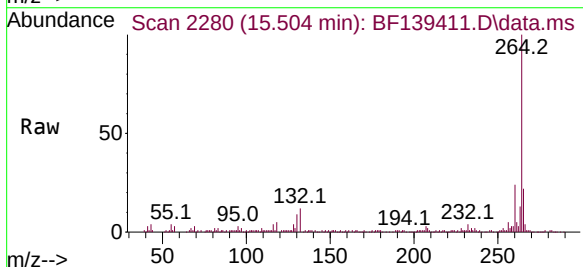
Instrument :
BNA_F
ClientSampleId :
WC-C-COMP

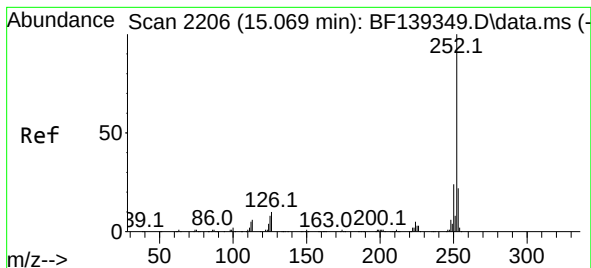
Tgt Ion:	149	Resp:	9593
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.6	32.4
279	3.3	3.3	4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF139411.D
Acq: 17 Sep 2024 19:30

Tgt Ion:	264	Resp:	77017
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	21.6	16.6	25.0





#88

Benzo(b)fluoranthene

Concen: 27.654 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

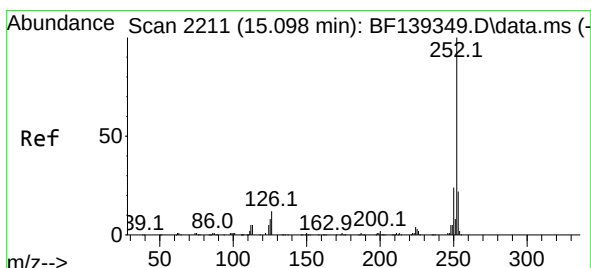
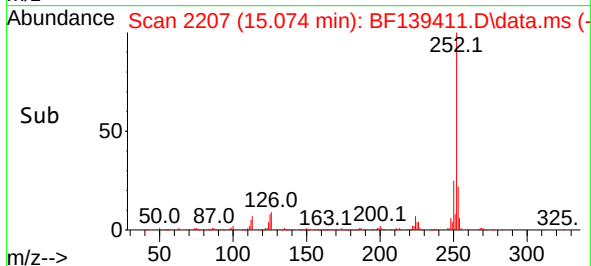
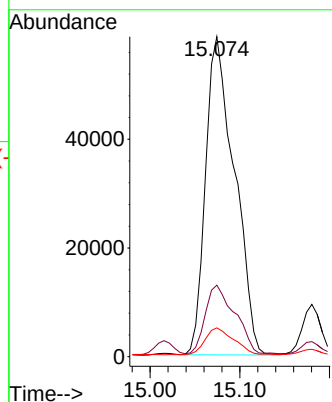
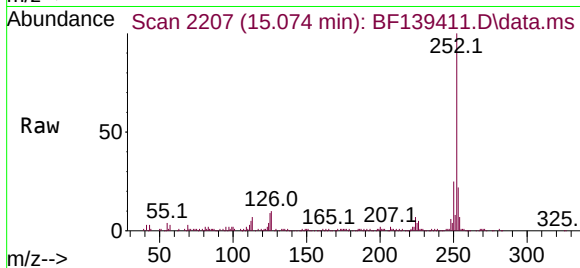
Tgt Ion:252 Resp: 131353

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 9.0 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 29.992 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.024 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

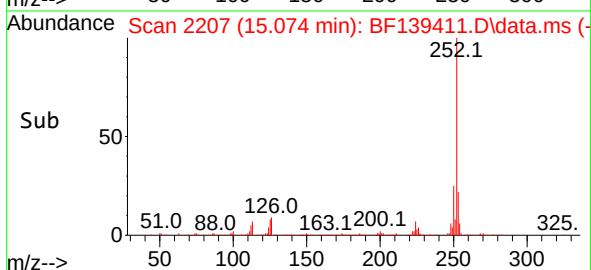
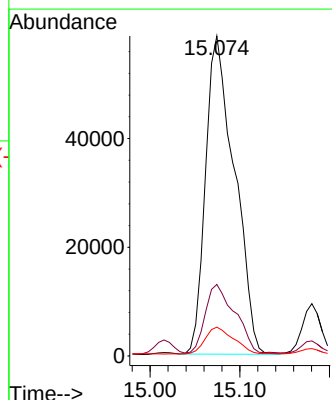
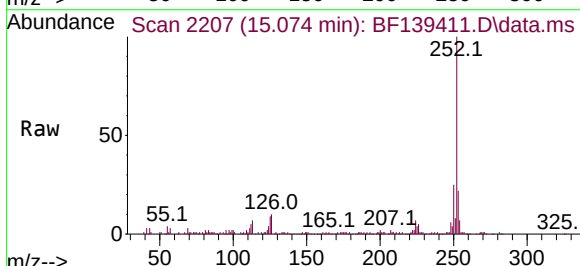
Tgt Ion:252 Resp: 131353

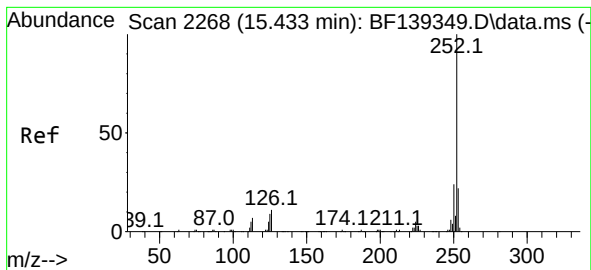
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 9.0 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 15.866 ng

RT: 15.439 min Scan# 2268

Delta R.T. 0.006 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

Instrument :

BNA_F

ClientSampleId :

WC-C-COMP

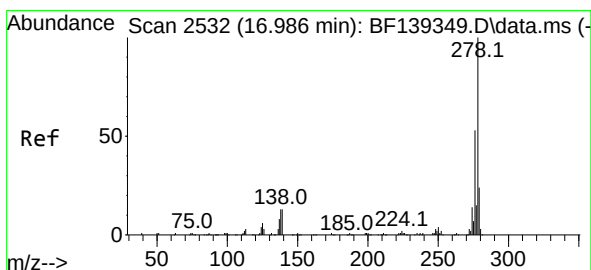
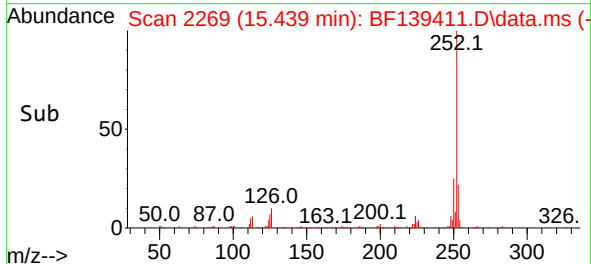
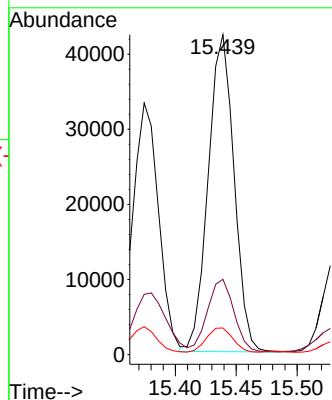
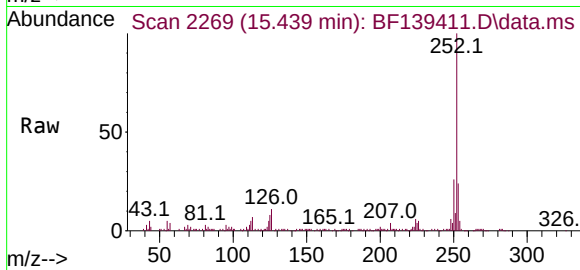
Tgt Ion:252 Resp: 62500

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 8.4 6.8 10.2



#91

Dibenzo(a,h)anthracene

Concen: 2.811 ng

RT: 16.980 min Scan# 2531

Delta R.T. -0.006 min

Lab File: BF139411.D

Acq: 17 Sep 2024 19:30

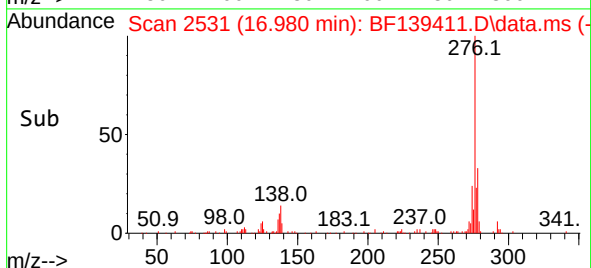
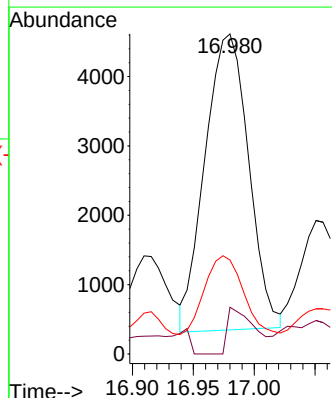
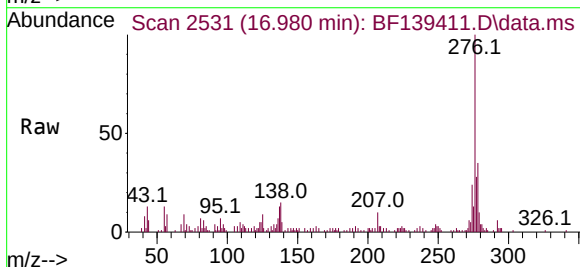
Tgt Ion:278 Resp: 10638

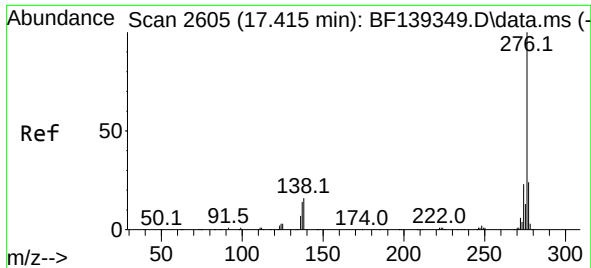
Ion Ratio Lower Upper

278 100

139 14.6 10.2 15.2

279 29.3 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 12.243 ng
 RT: 17.409 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF139411.D
 Acq: 17 Sep 2024 19:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-C-COMP

Tgt Ion:	276	Resp:	45875
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.9	28.3
138	17.2	13.0	19.6

