

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140280.D
 Acq On : 07 Nov 2024 17:32
 Operator : RC/JU
 Sample : P4722-13 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3(0-6)

Quant Time: Nov 08 01:29:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

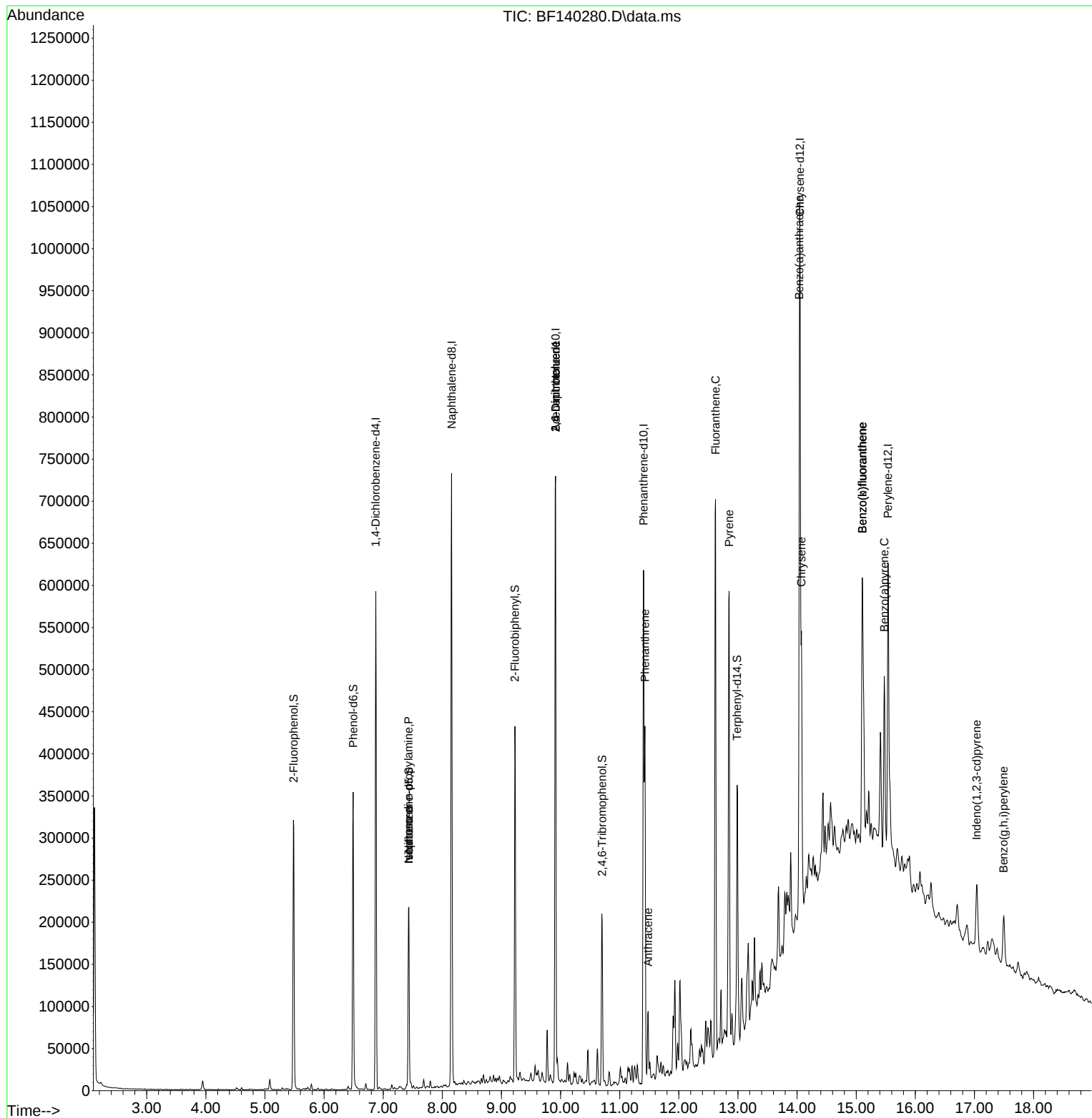
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	116141	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	437848	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	226170	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	319073	20.000	ng	0.00
76) Chrysene-d12	14.051	240	257317	20.000	ng	-0.01
86) Perylene-d12	15.539	264	207144	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	121092	17.279	ng	0.00
7) Phenol-d6	6.492	99	157081	17.426	ng	-0.01
23) Nitrobenzene-d5	7.434	82	97760	11.101	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	30744	13.752	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	186479	13.166	ng	-0.01
79) Terphenyl-d14	12.986	244	144934	9.227	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	14166	2.463	ng	# 79
25) Isophorone	7.434	82	95078	6.270	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	30510	9.319	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	30628	7.209	ng	# 19
71) Phenanthrene	11.427	178	217036	14.253	ng	99
72) Anthracene	11.480	178	47797	3.201	ng	99
75) Fluoranthene	12.621	202	385234	24.195	ng	99
78) Pyrene	12.851	202	317617	14.950	ng	99
81) Benzo(a)anthracene	14.039	228	230097	13.934	ng	93
83) Chrysene	14.074	228	176165	11.392	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	62975	5.179	ng	95
88) Benzo(b)fluoranthene	15.104	252	272138	21.719	ng	98
89) Benzo(k)fluoranthene	15.104	252	272138	23.670	ng	98
90) Benzo(a)pyrene	15.474	252	127688	12.360	ng	97
92) Benzo(g,h,i)perylene	17.492	276	55538	5.442	ng	95

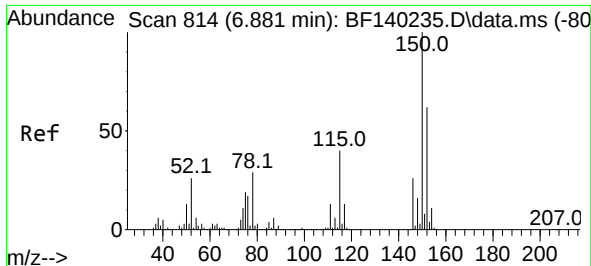
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

Quant Time: Nov 08 01:29:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

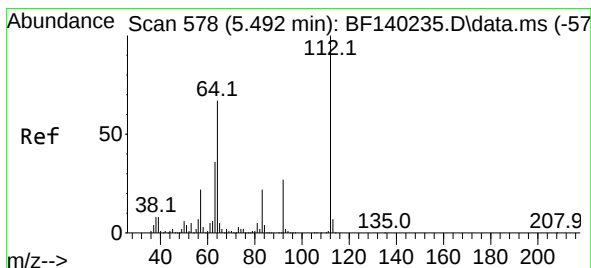
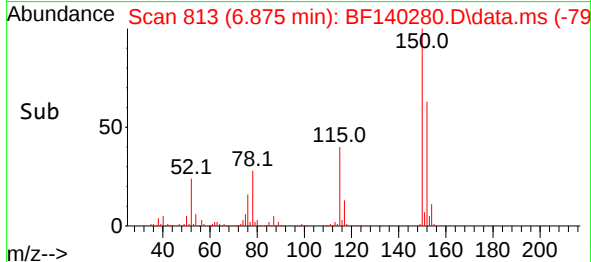
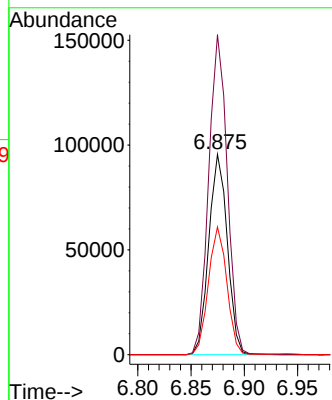
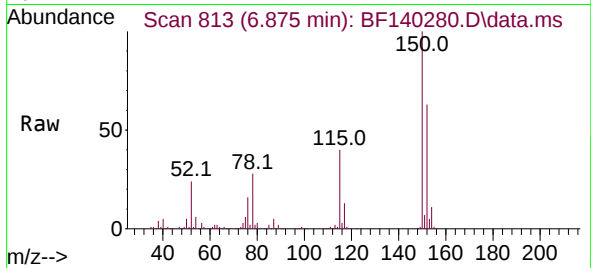




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF140280.D
 Acq: 07 Nov 2024 17:32

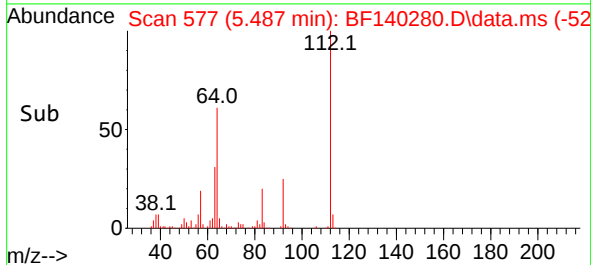
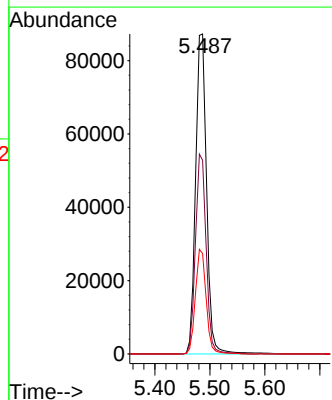
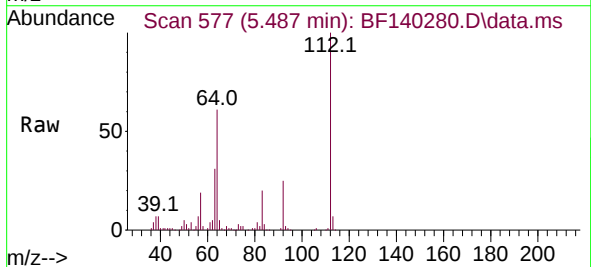
Instrument :
 BNA_F
 ClientSampleId :
 WC-3(0-6)

Tgt Ion:152 Resp: 116141
 Ion Ratio Lower Upper
 152 100
 150 159.7 129.4 194.2
 115 63.7 51.5 77.3



#5
 2-Fluorophenol
 Concen: 17.279 ng
 RT: 5.487 min Scan# 577
 Delta R.T. -0.006 min
 Lab File: BF140280.D
 Acq: 07 Nov 2024 17:32

Tgt Ion:112 Resp: 121092
 Ion Ratio Lower Upper
 112 100
 64 60.5 53.4 80.2
 63 31.4 28.9 43.3

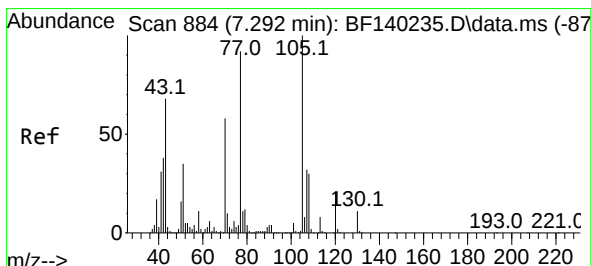
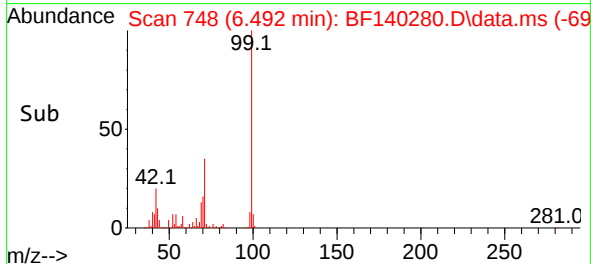
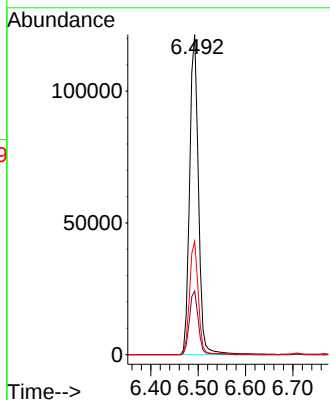
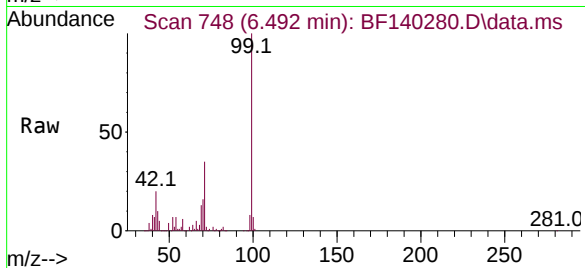




#7
Phenol-d6
Concen: 17.426 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

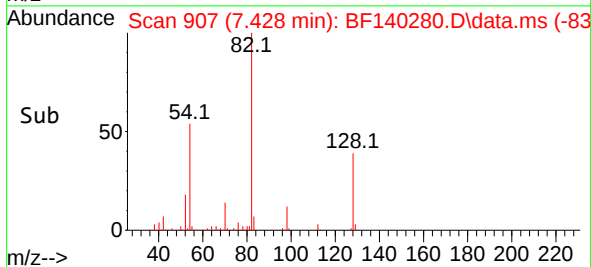
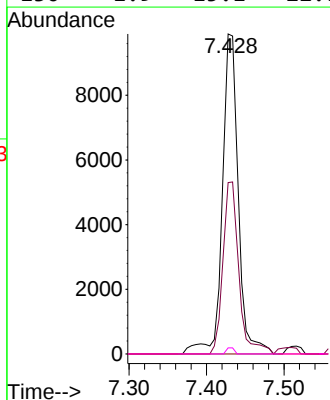
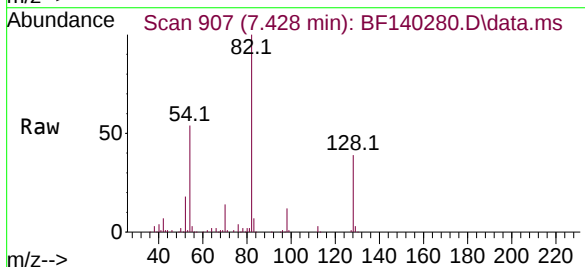
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

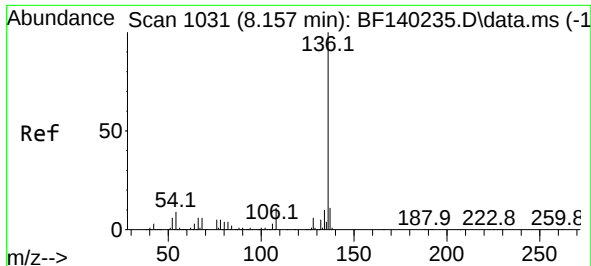
Tgt Ion: 99 Resp: 157081
Ion Ratio Lower Upper
99 100
42 19.9 18.2 27.2
71 35.4 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.463 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion: 70 Resp: 14166
Ion Ratio Lower Upper
70 100
42 53.6 52.8 79.2
101 0.0 7.4 11.2#
130 1.9 15.1 22.7#



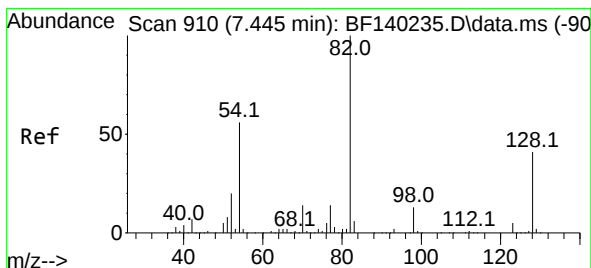
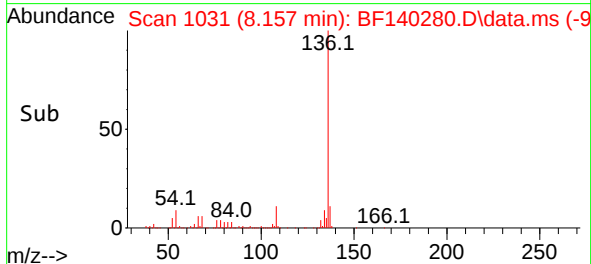
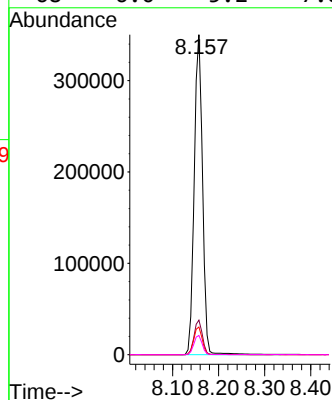
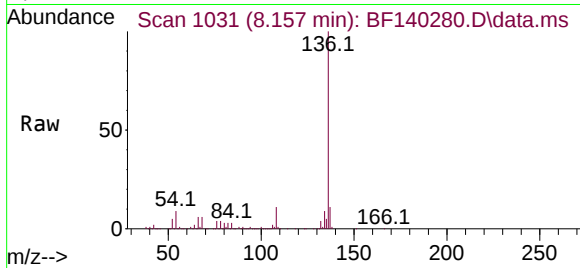


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

Tgt Ion:136 Resp: 437848

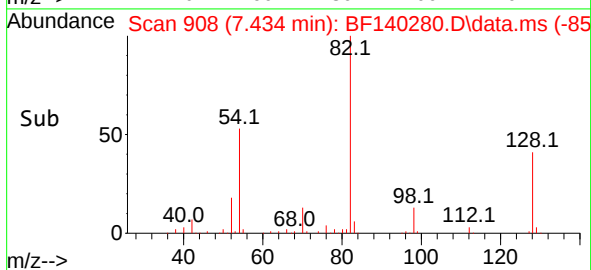
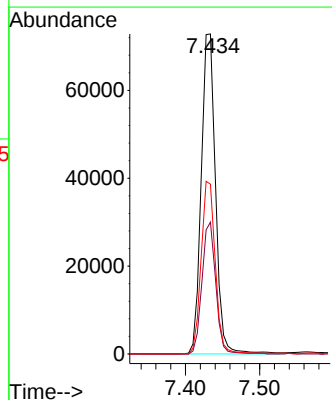
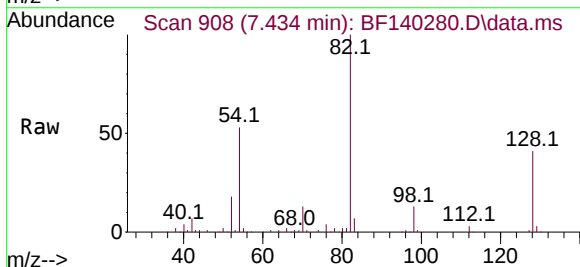
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	8.7	7.7	11.5
68	6.0	5.2	7.8

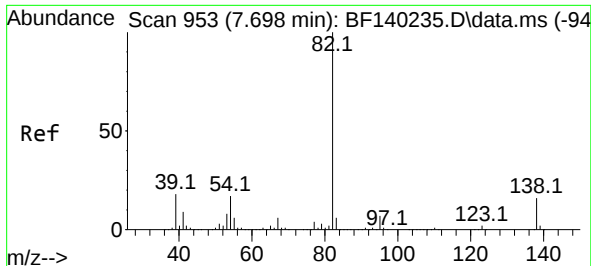


#23
Nitrobenzene-d5
Concen: 11.101 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion: 82 Resp: 97760

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.8	49.2
54	53.1	44.3	66.5

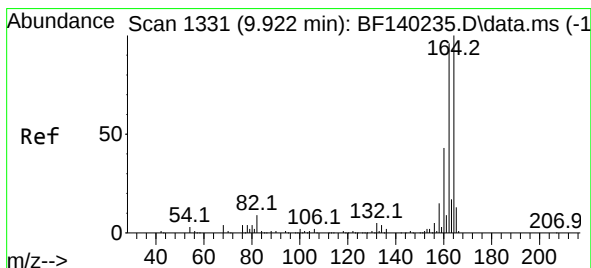
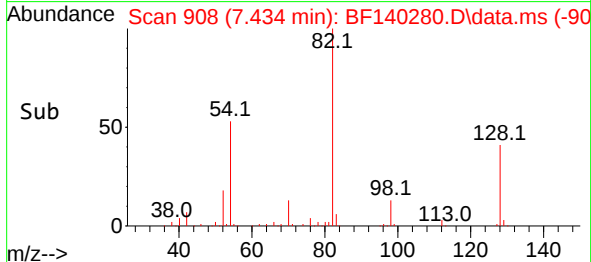
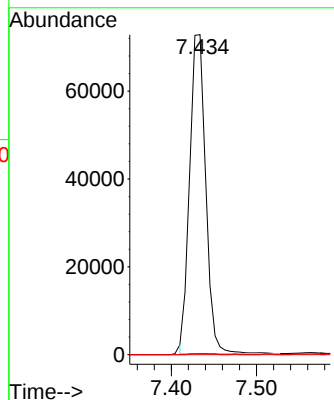
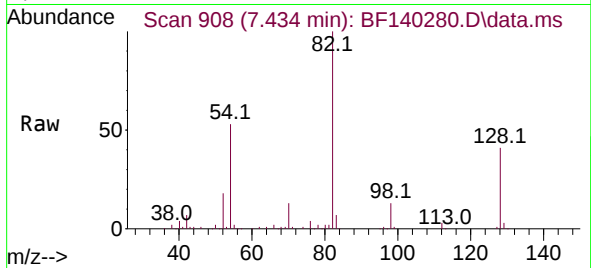




#25
Isophorone
Concen: 6.270 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

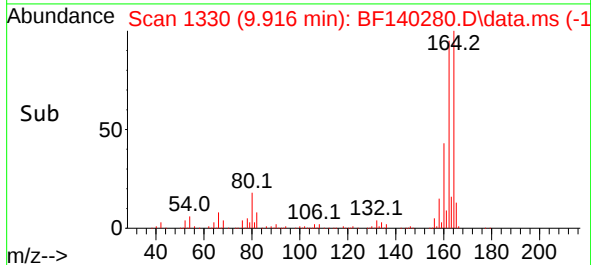
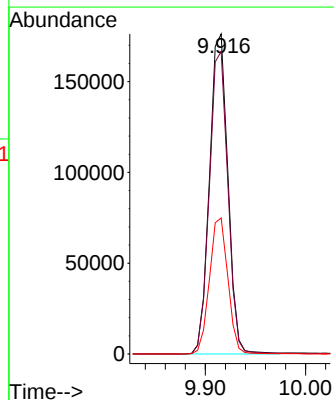
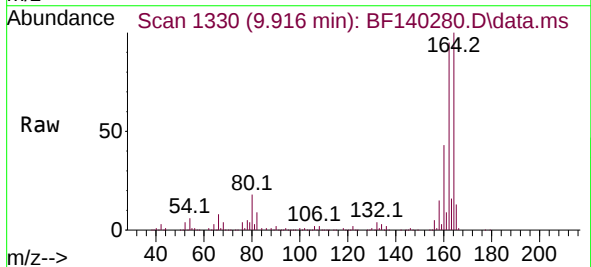
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

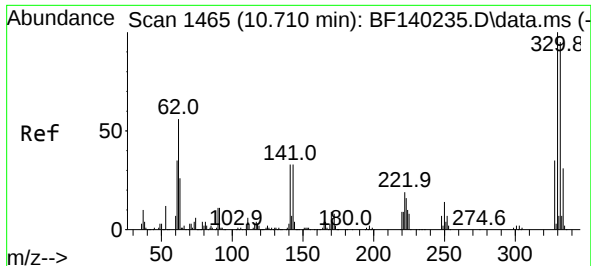
Tgt Ion: 82 Resp: 95078
Ion Ratio Lower Upper
82 100
95 0.3 6.0 9.0#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion:164 Resp: 226170
Ion Ratio Lower Upper
164 100
162 94.6 77.0 115.4
160 42.5 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 13.752 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

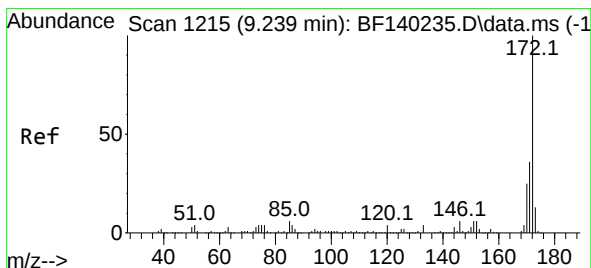
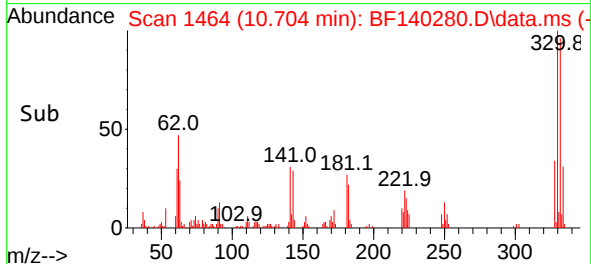
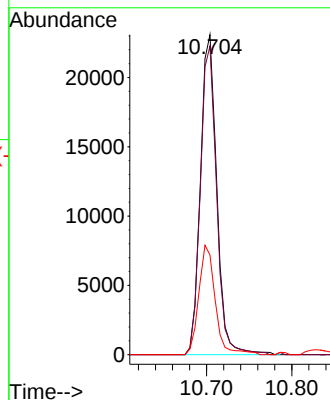
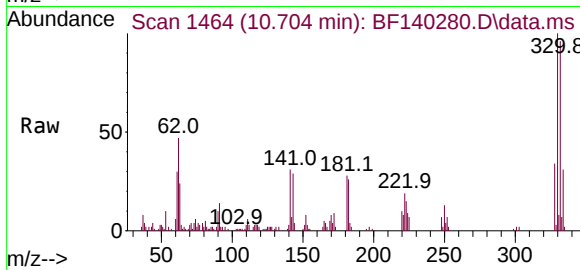
Tgt Ion:330 Resp: 30744

Ion Ratio Lower Upper

330 100

332 95.9 76.4 114.6

141 34.5 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 13.166 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

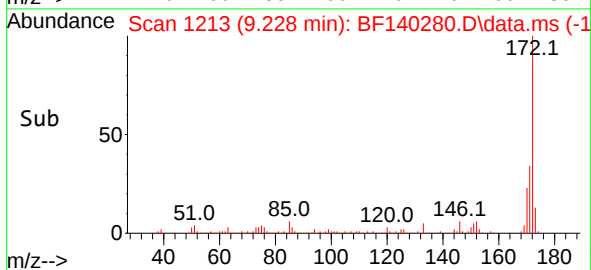
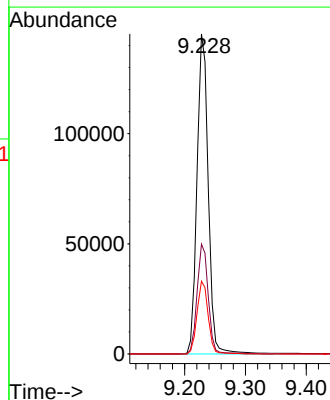
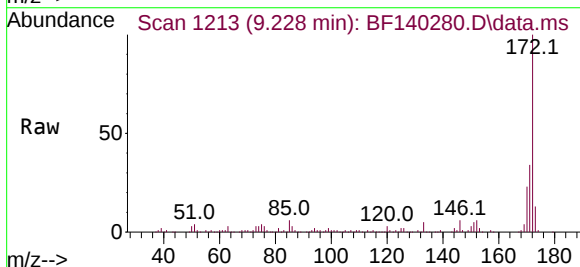
Tgt Ion:172 Resp: 186479

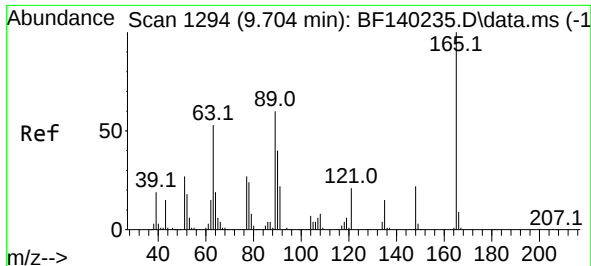
Ion Ratio Lower Upper

172 100

171 34.4 28.8 43.2

170 22.8 19.6 29.4

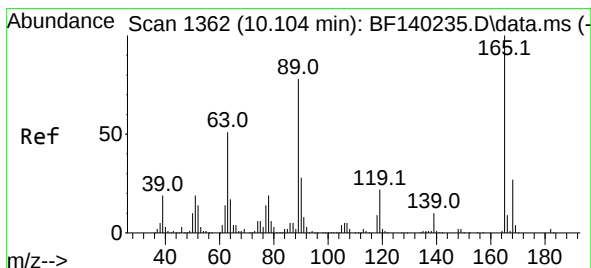
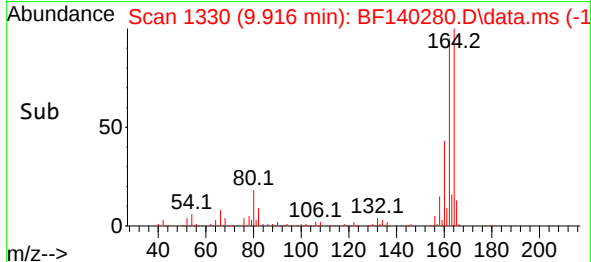
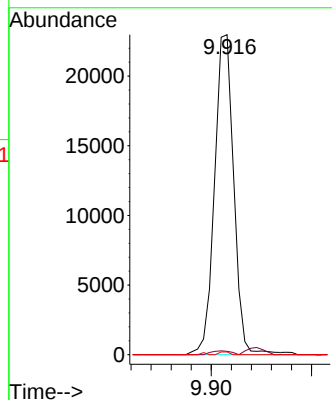
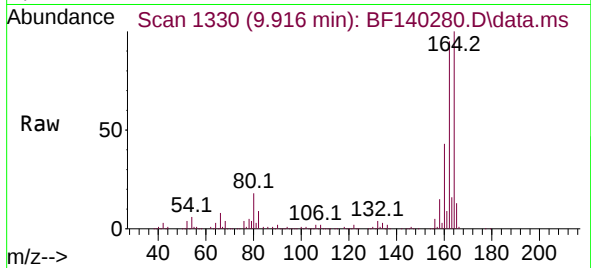




#51
2,6-Dinitrotoluene
Concen: 9.319 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

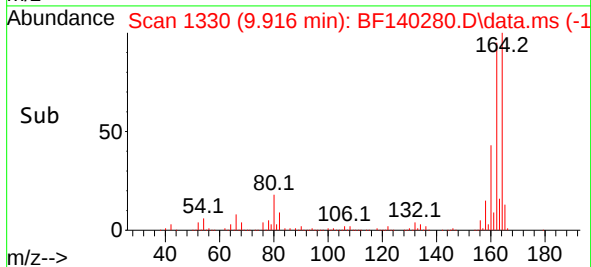
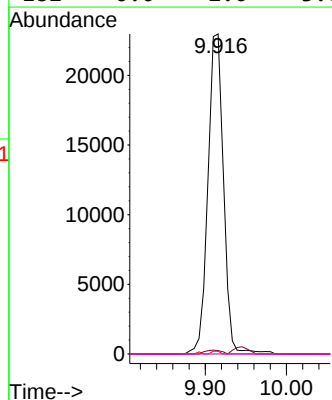
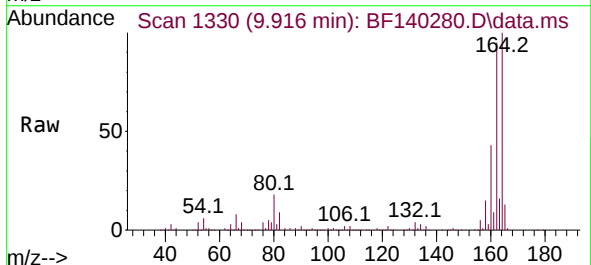
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

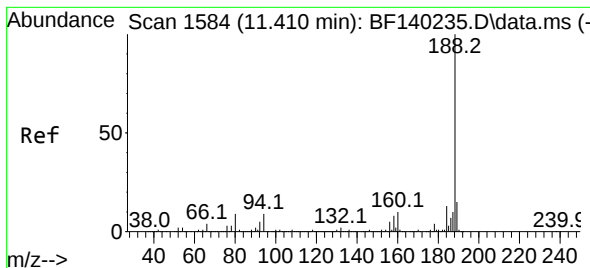
Tgt Ion:165 Resp: 30510
Ion Ratio Lower Upper
165 100
63 1.0 48.8 73.2#
89 0.9 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 7.209 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion:165 Resp: 30628
Ion Ratio Lower Upper
165 100
63 1.0 41.3 61.9#
89 0.9 62.6 94.0#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

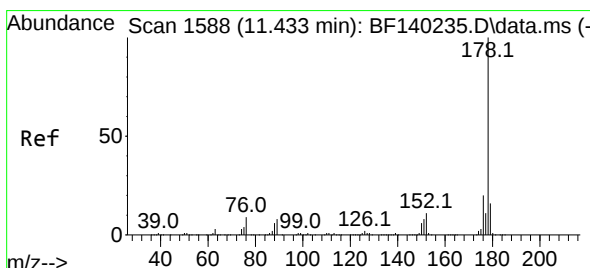
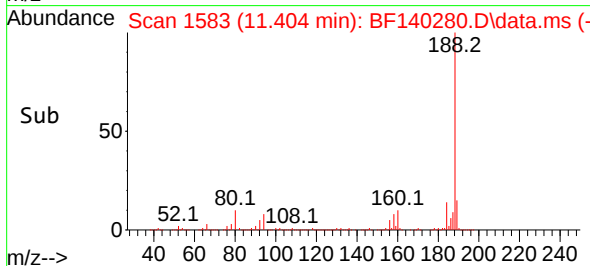
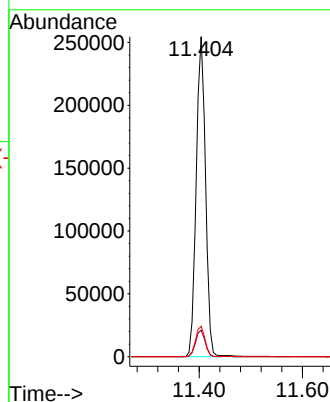
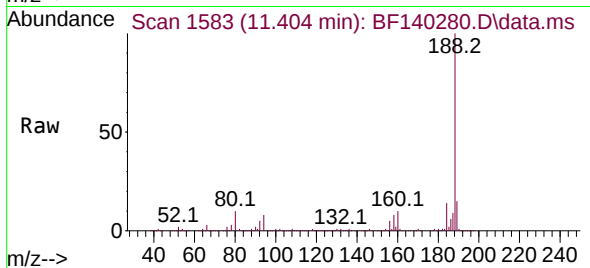
Tgt Ion:188 Resp: 319073

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

80 9.5 7.5 11.3



#71

Phenanthrene

Concen: 14.253 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

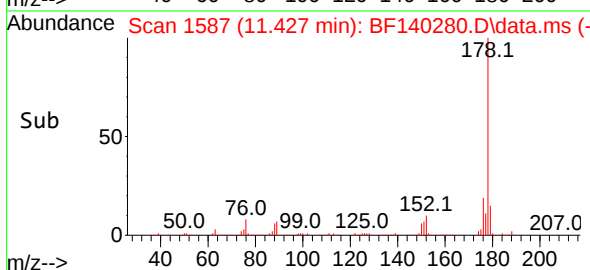
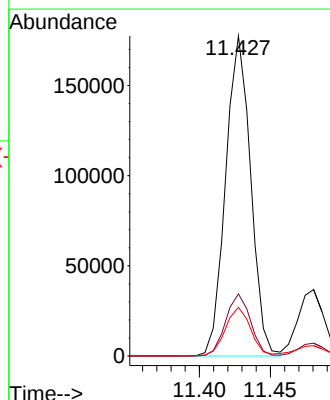
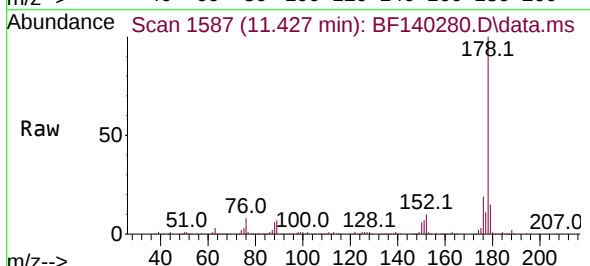
Tgt Ion:178 Resp: 217036

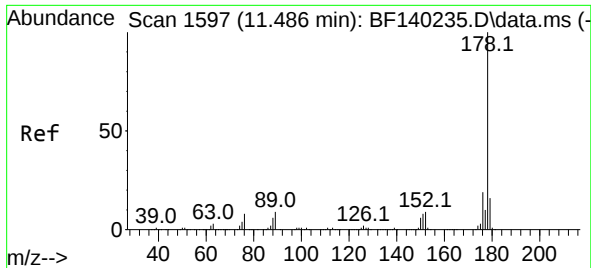
Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

179 15.2 12.6 18.8

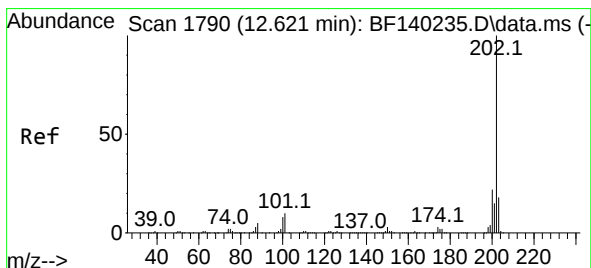
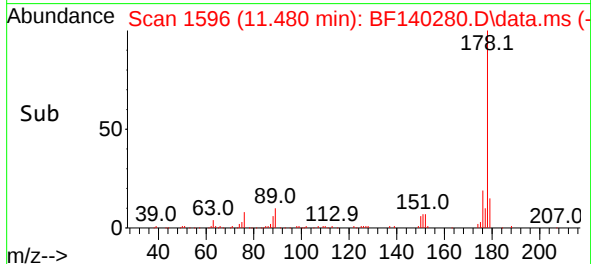
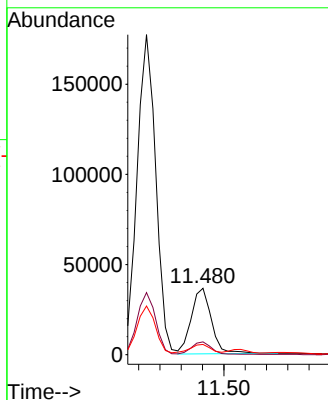
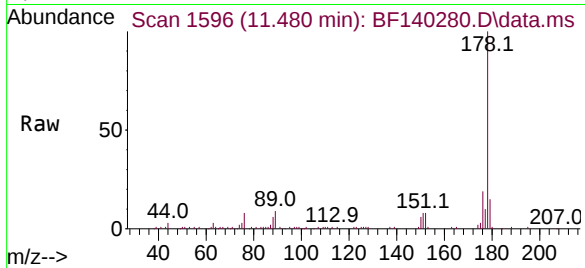




#72
 Anthracene
 Concen: 3.201 ng
 RT: 11.480 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140280.D
 Acq: 07 Nov 2024 17:32

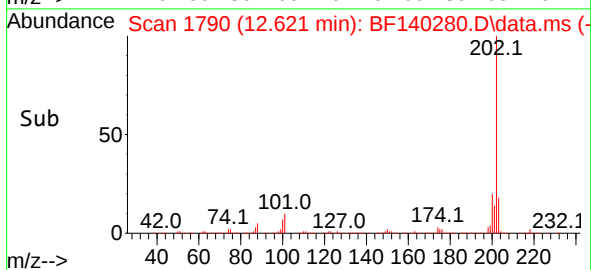
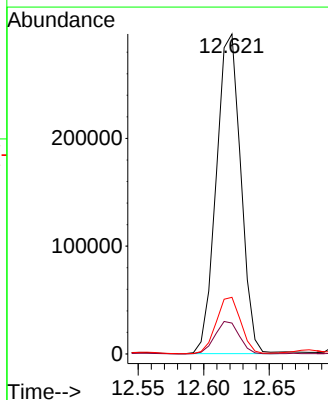
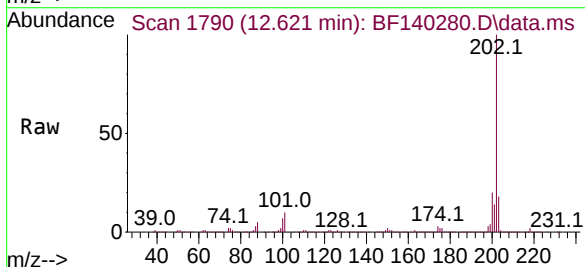
Instrument :
 BNA_F
 ClientSampleId :
 WC-3(0-6)

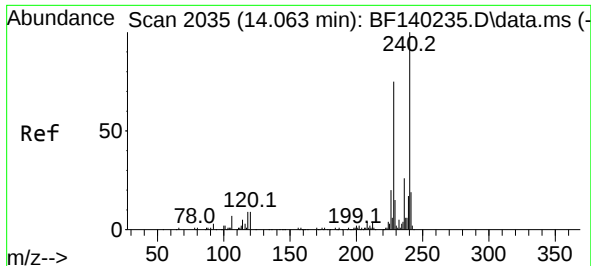
Tgt Ion:178 Resp: 47797
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.4 12.7 19.1



#75
 Fluoranthene
 Concen: 24.195 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF140280.D
 Acq: 07 Nov 2024 17:32

Tgt Ion:202 Resp: 385234
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.4
 203 17.7 0.0 38.0

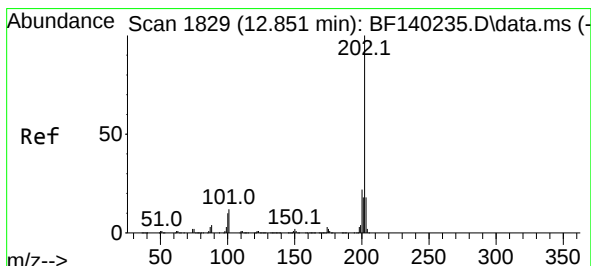
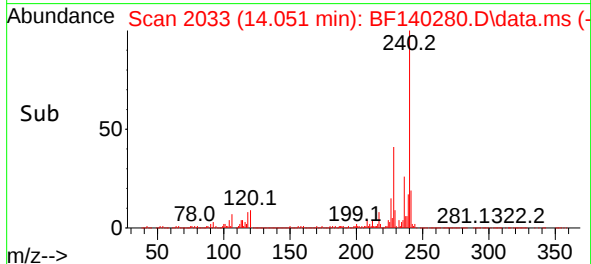
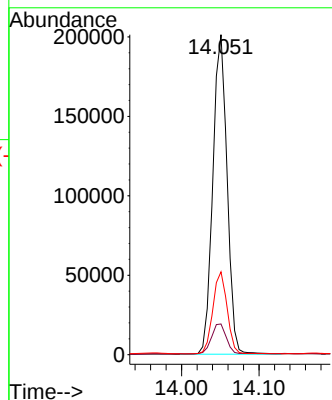
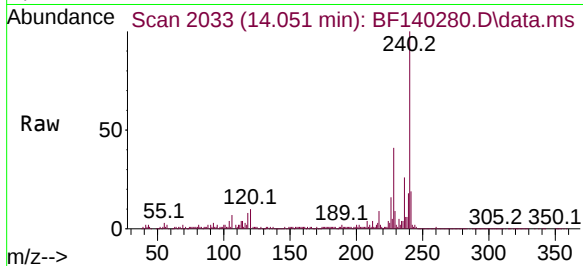




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

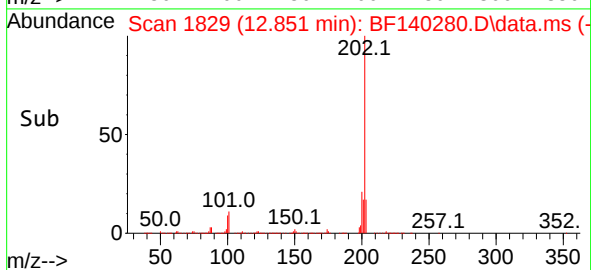
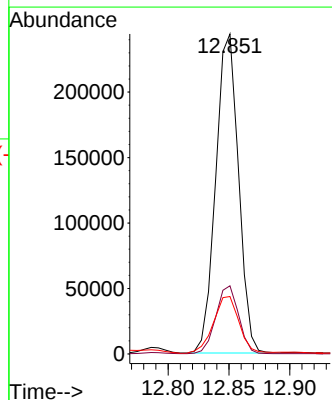
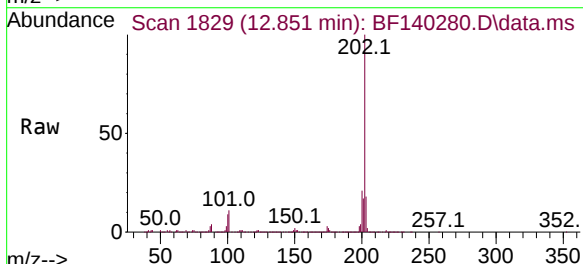
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

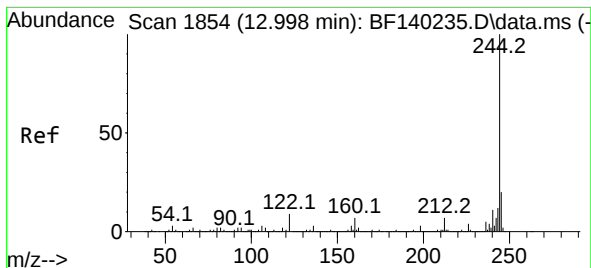
Tgt Ion:240 Resp: 257317
Ion Ratio Lower Upper
240 100
120 9.6 7.5 11.3
236 25.9 20.9 31.3



#78
Pyrene
Concen: 14.950 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion:202 Resp: 317617
Ion Ratio Lower Upper
202 100
200 21.3 17.5 26.3
203 18.0 14.4 21.6





#79

Terphenyl-d14

Concen: 9.227 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

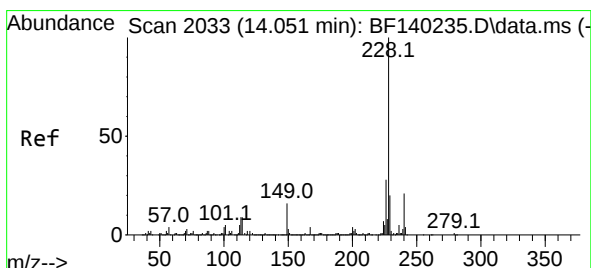
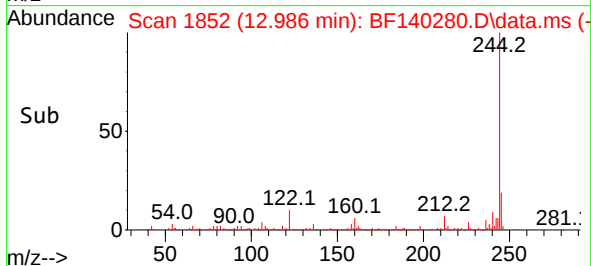
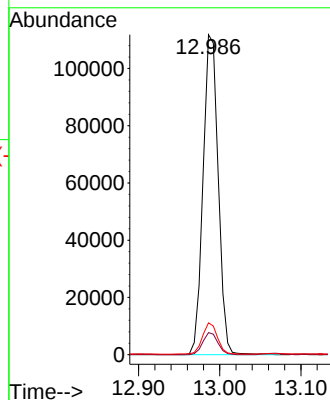
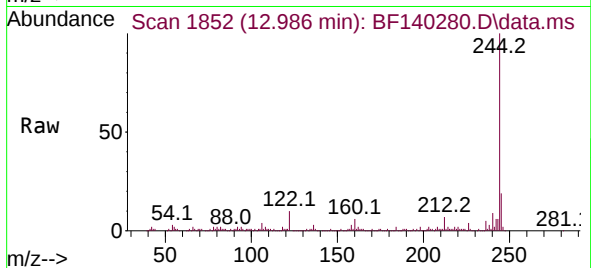
Tgt Ion:244 Resp: 144934

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.9 7.6 11.4



#81

Benzo(a)anthracene

Concen: 13.934 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

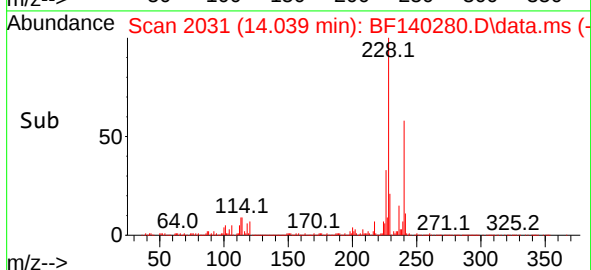
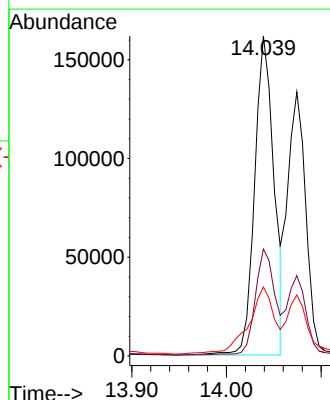
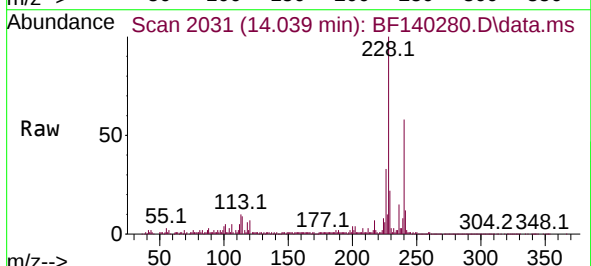
Tgt Ion:228 Resp: 230097

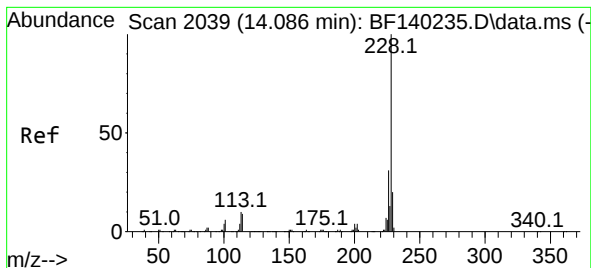
Ion Ratio Lower Upper

228 100

226 33.4 22.3 33.5

229 21.5 16.1 24.1





#83

Chrysene

Concen: 11.392 ng

RT: 14.074 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

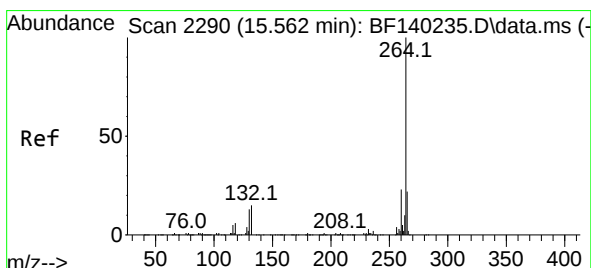
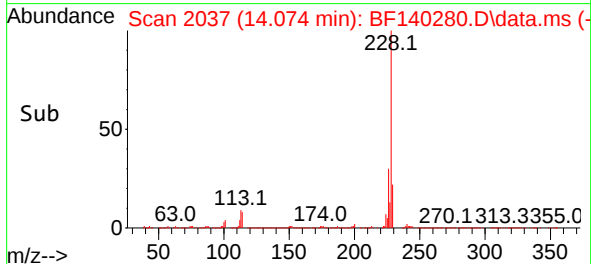
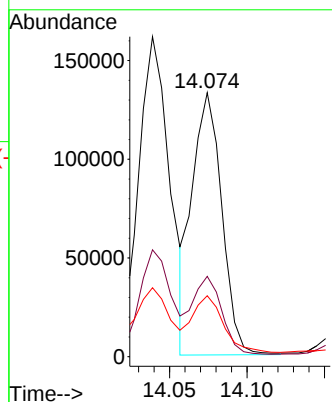
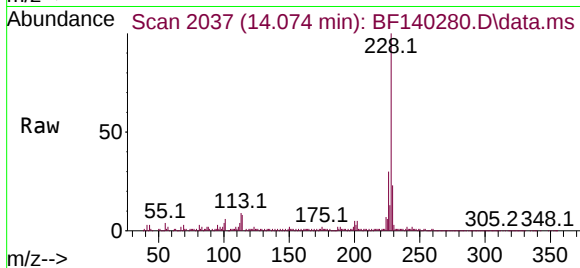
Tgt Ion:228 Resp: 176165

Ion Ratio Lower Upper

228 100

226 30.4 24.6 36.8

229 23.1 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.024 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

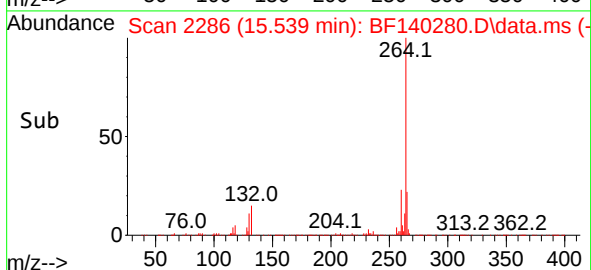
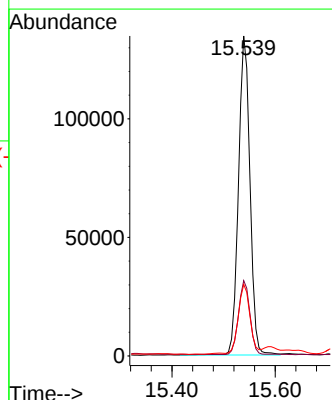
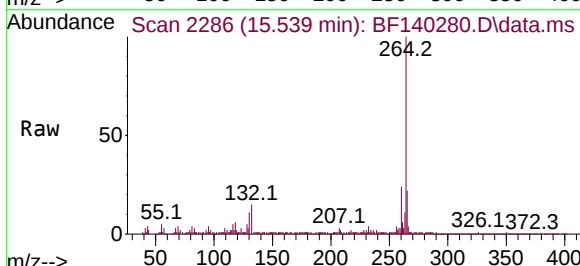
Tgt Ion:264 Resp: 207144

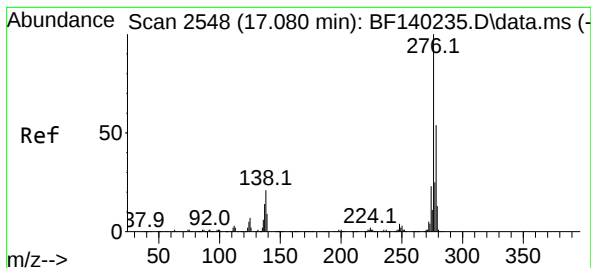
Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.179 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

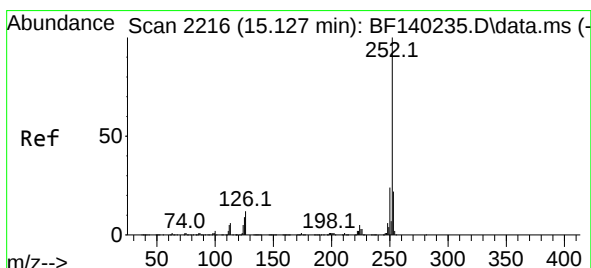
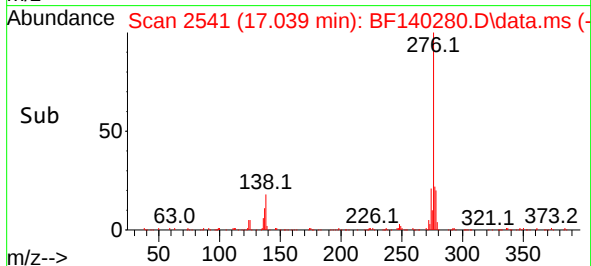
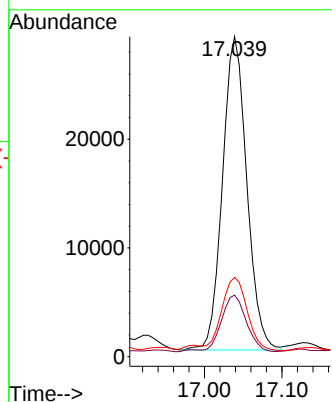
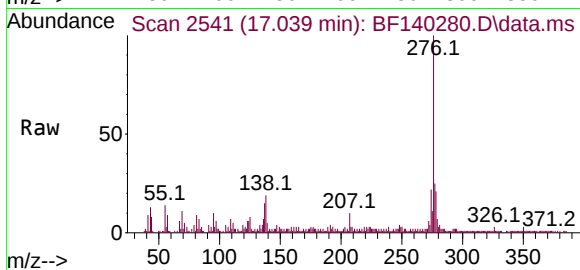
Tgt Ion:276 Resp: 62975

Ion Ratio Lower Upper

276 100

138 18.1 17.6 26.4

277 24.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 21.719 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.024 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

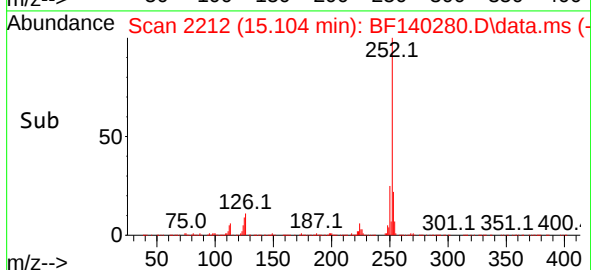
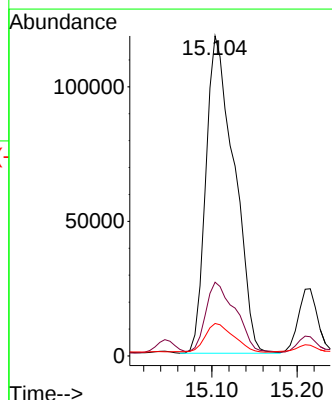
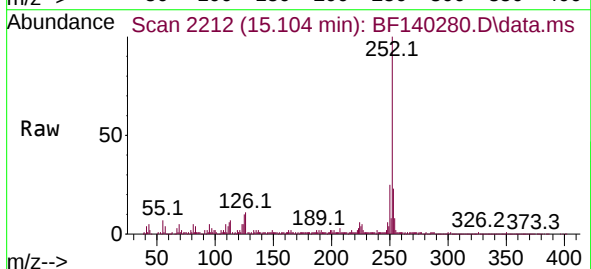
Tgt Ion:252 Resp: 272138

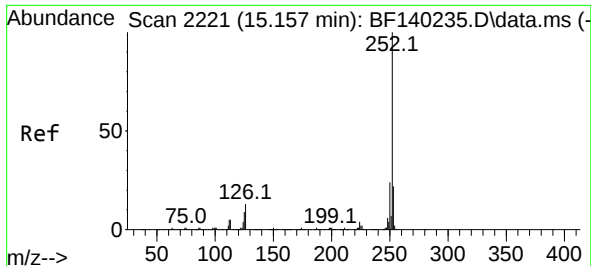
Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 10.2 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 23.670 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

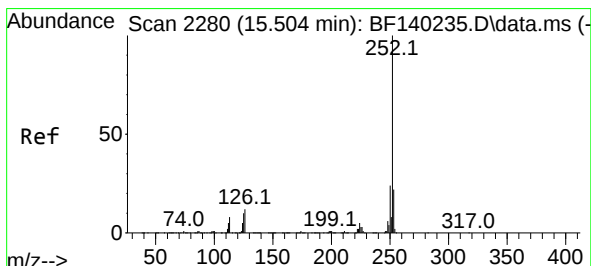
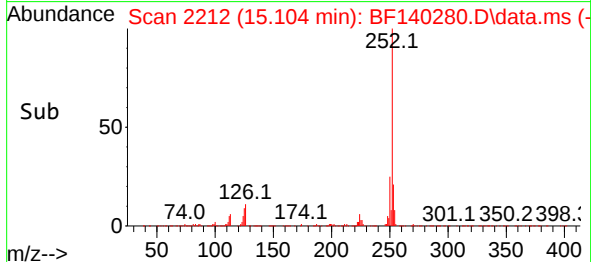
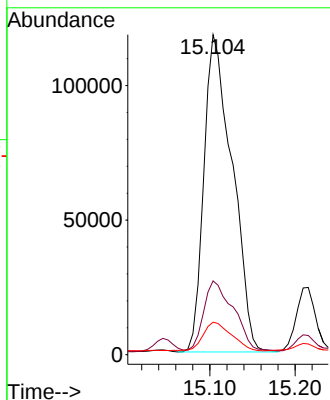
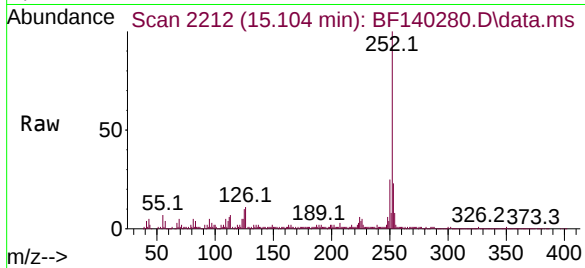
Tgt Ion:252 Resp: 272138

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 10.2 7.2 10.8



#90

Benzo(a)pyrene

Concen: 12.360 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.029 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

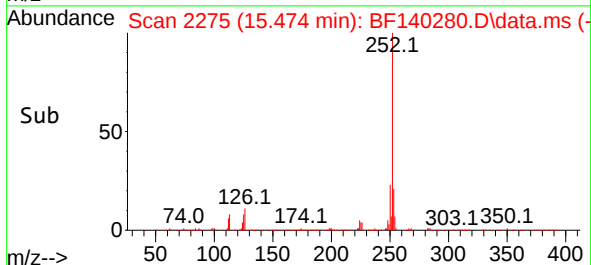
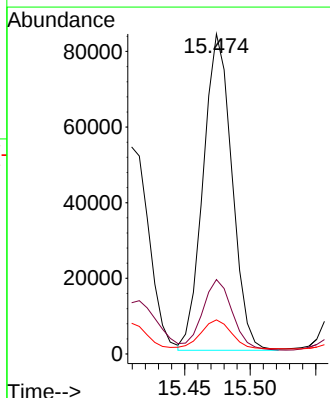
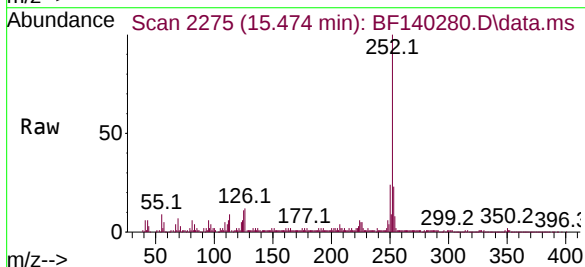
Tgt Ion:252 Resp: 127688

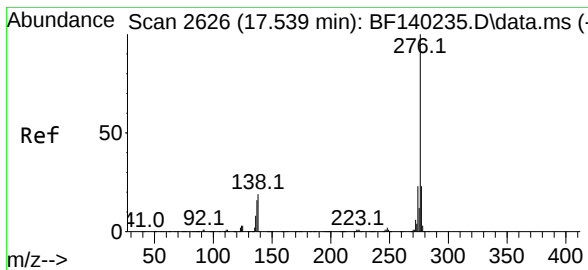
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 10.7 7.6 11.4





#92
 Benzo(g,h,i)perylene
 Concen: 5.442 ng
 RT: 17.492 min Scan# 20
 Delta R.T. -0.047 min
 Lab File: BF140280.D
 Acq: 07 Nov 2024 17:32

Instrument :
 BNA_F
 ClientSampleId :
 WC-3(0-6)

Tgt Ion:	276	Resp:	55538
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.8	28.2
138	21.5	15.3	22.9

