

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140274.D
 Acq On : 07 Nov 2024 14:53
 Operator : RC/JU
 Sample : P4693-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-G5-WC

Quant Time: Nov 07 15:32:44 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)

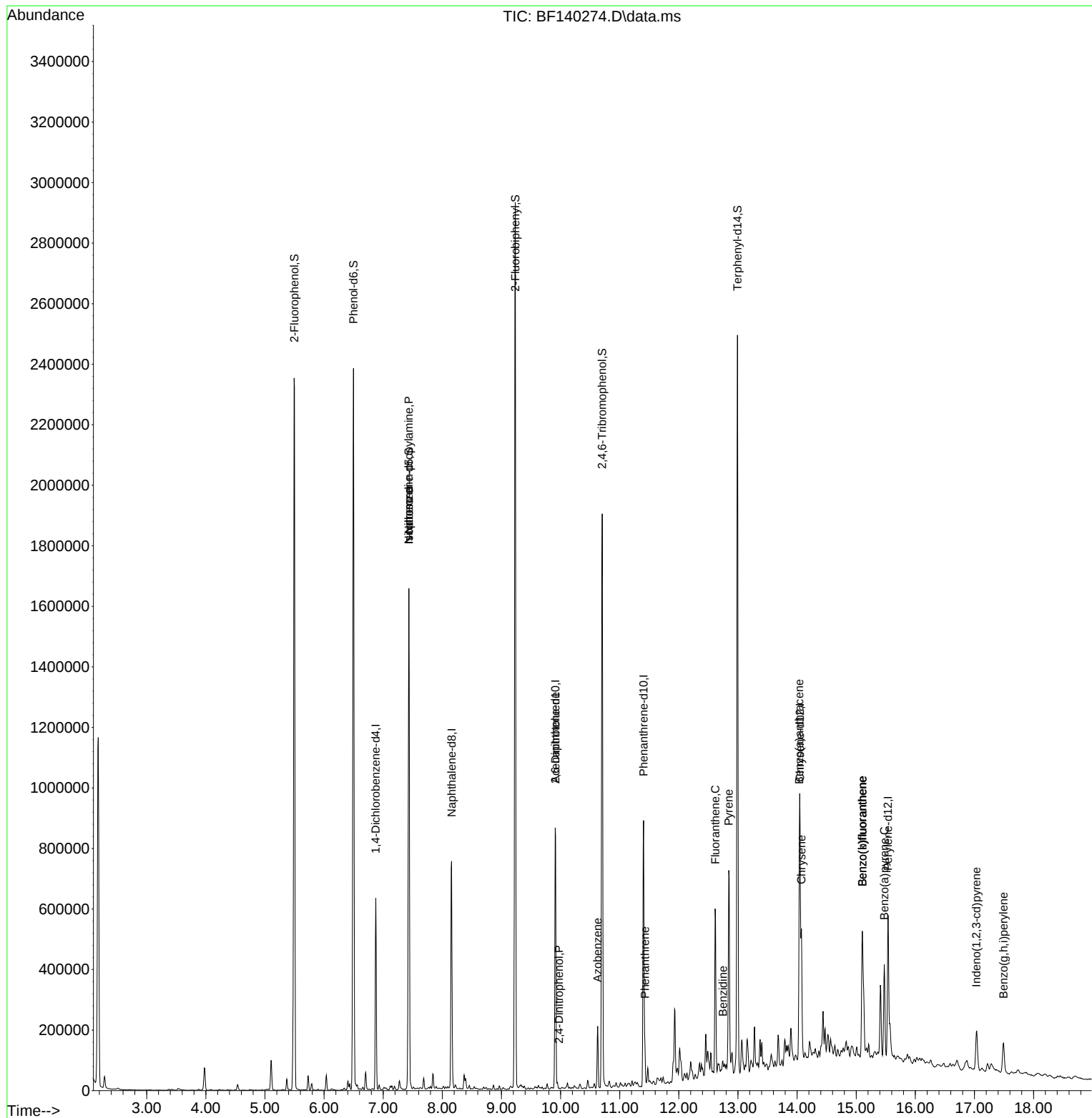
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	124198	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	471118	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	273664	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	466005	20.000	ng	0.00
76) Chrysene-d12	14.051	240	265996	20.000	ng	-0.01
86) Perylene-d12	15.539	264	281342	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	872100	116.367	ng	0.00
7) Phenol-d6	6.498	99	1120288	116.217	ng	0.00
23) Nitrobenzene-d5	7.434	82	744892	78.610	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	321089	118.701	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1320824	77.069	ng	0.00
79) Terphenyl-d14	12.992	244	1196540	73.689	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	102213	16.621	ng	# 76
25) Isophorone	7.434	82	732992	44.925	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	35470	8.953	ng	# 22
54) 2,4-Dinitrophenol	9.975	184	428	6.334	ng	92
63) Azobenzene	10.627	77	52133	3.003	ng	# 1
71) Phenanthrene	11.427	178	72113	3.243	ng	97
75) Fluoranthene	12.616	202	305049	13.118	ng	99
77) Benzidine	12.745	184	12997	2.499	ng	# 87
78) Pyrene	12.845	202	394576	17.966	ng	99
81) Benzo(a)anthracene	14.039	228	280783	16.448	ng	100
83) Chrysene	14.074	228	229158	14.335	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	101440	6.142	ng	95
88) Benzo(b)fluoranthene	15.104	252	373015	21.919	ng	99
89) Benzo(k)fluoranthene	15.104	252	373015	23.887	ng	99
90) Benzo(a)pyrene	15.474	252	196002	13.969	ng	98
92) Benzo(g,h,i)perylene	17.492	276	92908	6.703	ng	99

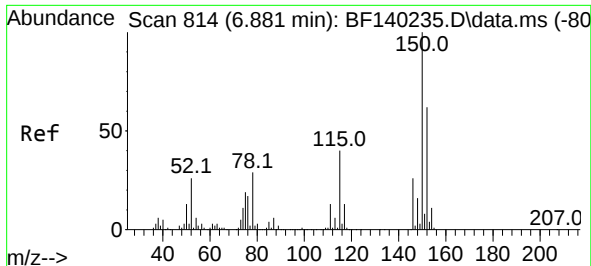
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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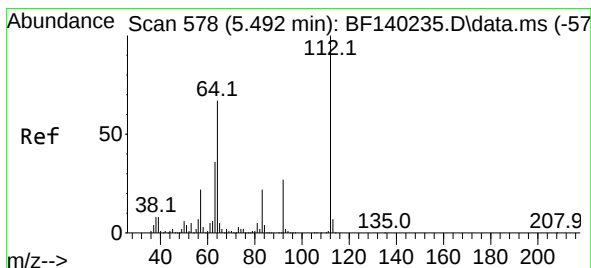
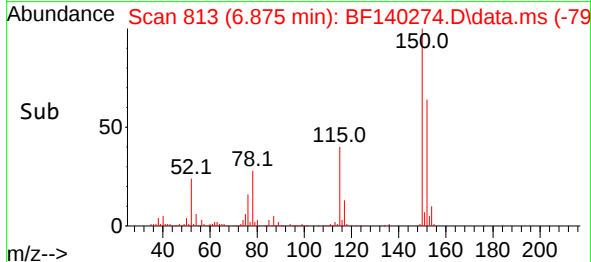
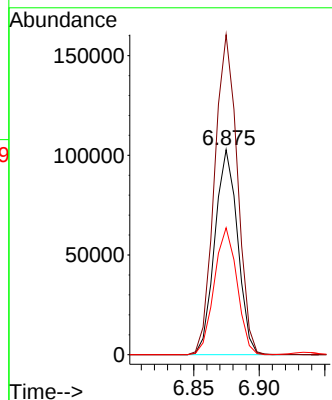
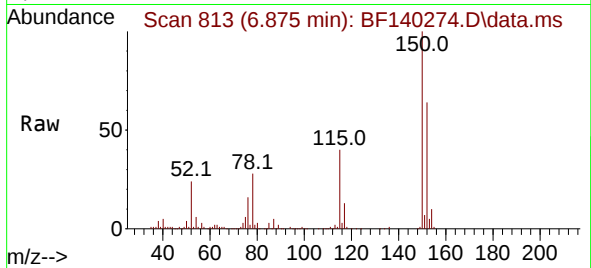




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

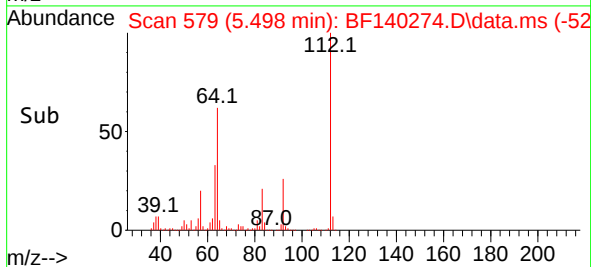
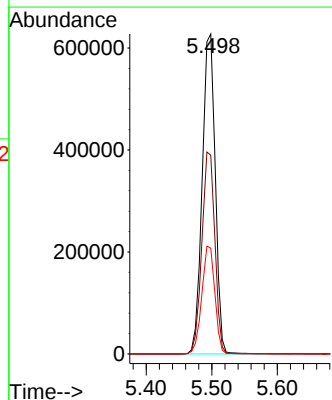
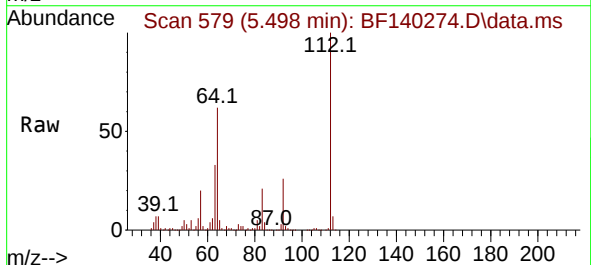
Instrument :
BNA_F
ClientSampleId :
BP-G5-WC

Tgt Ion:152 Resp: 124198
Ion Ratio Lower Upper
152 100
150 156.2 129.4 194.2
115 61.9 51.5 77.3



#5
2-Fluorophenol
Concen: 116.367 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion:112 Resp: 872100
Ion Ratio Lower Upper
112 100
64 62.1 53.4 80.2
63 33.0 28.9 43.3

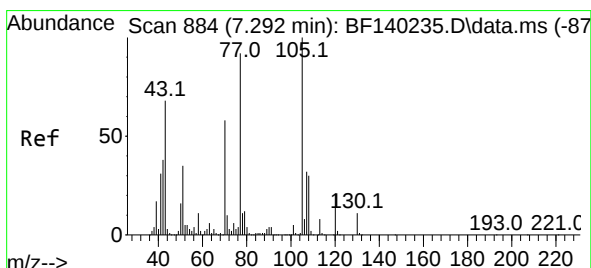
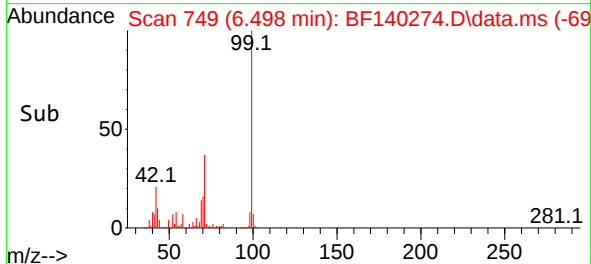
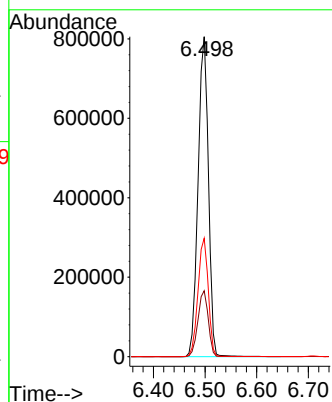
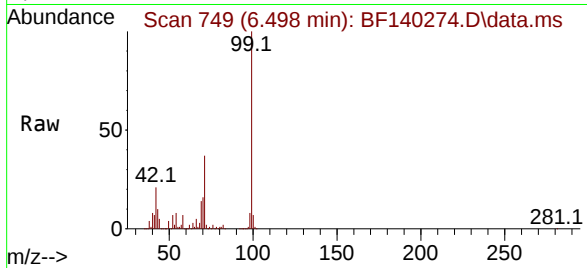




#7
Phenol-d6
Concen: 116.217 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

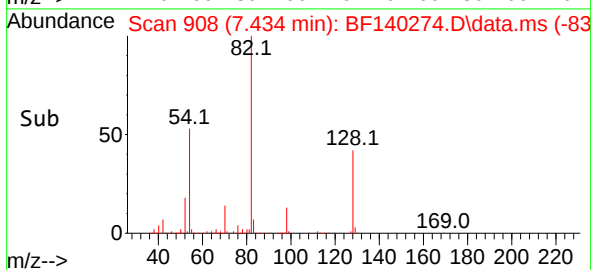
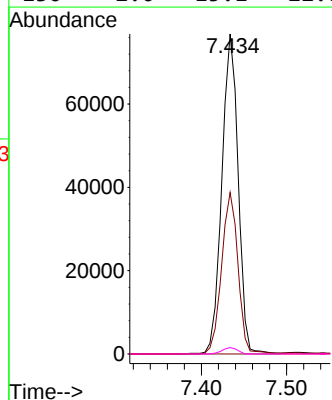
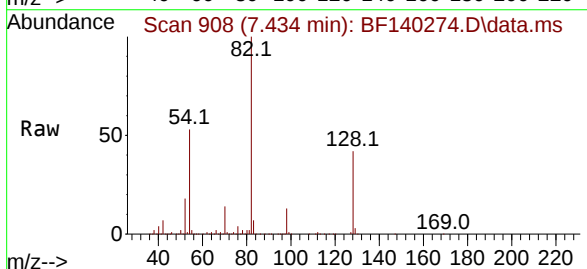
Instrument :
BNA_F
ClientSampleId :
BP-G5-WC

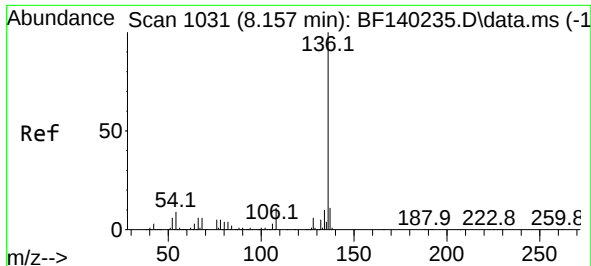
Tgt Ion: 99 Resp: 1120288
Ion Ratio Lower Upper
99 100
42 20.6 18.2 27.2
71 37.0 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.621 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion: 70 Resp: 102213
Ion Ratio Lower Upper
70 100
42 50.5 52.8 79.2#
101 0.0 7.4 11.2#
130 2.0 15.1 22.7#



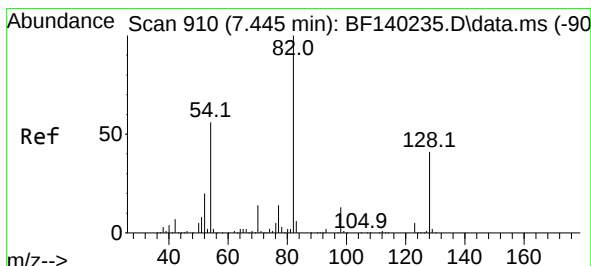
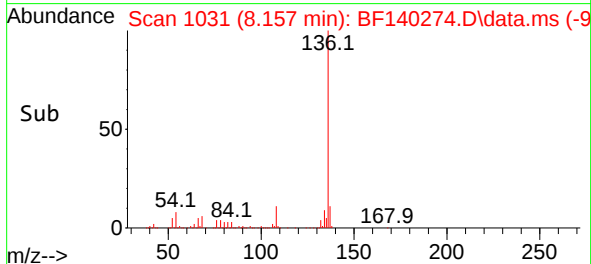
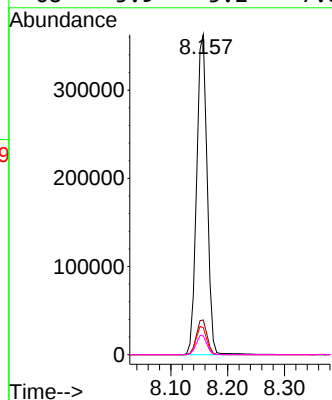
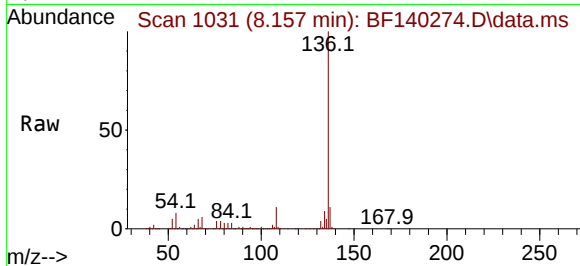


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Instrument :
BNA_F
ClientSampleId :
BP-G5-WC

Tgt Ion:136 Resp: 471118

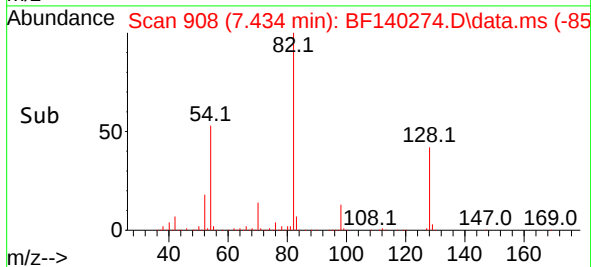
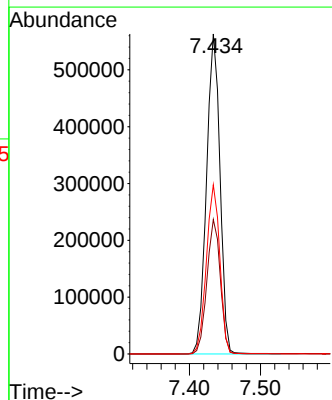
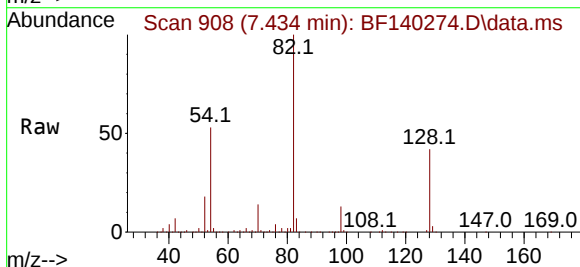
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	8.5	7.7	11.5
68	5.9	5.2	7.8

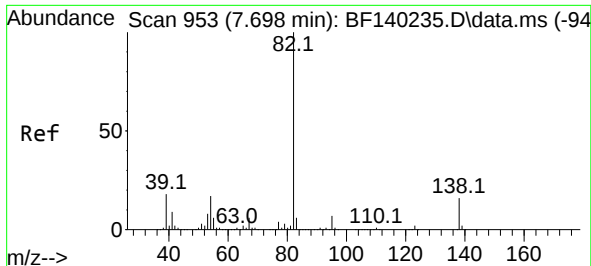


#23
Nitrobenzene-d5
Concen: 78.610 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion: 82 Resp: 744892

Ion	Ratio	Lower	Upper
82	100		
128	42.0	32.8	49.2
54	52.8	44.3	66.5

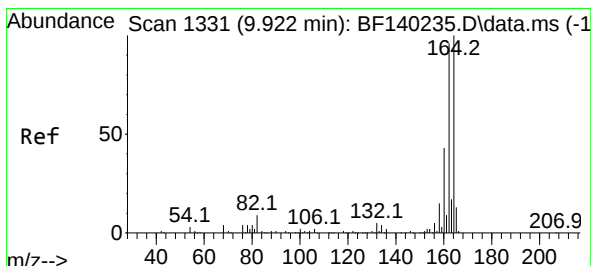
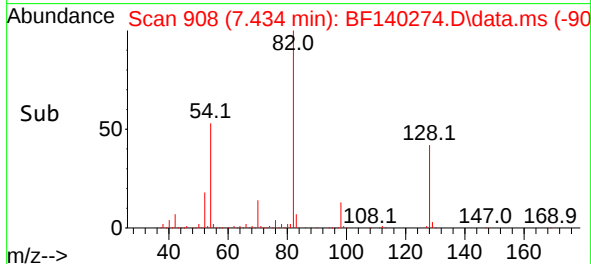
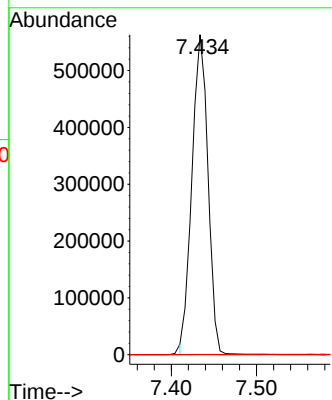
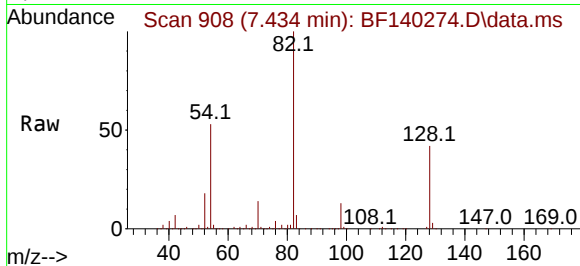




#25
Isophorone
Concen: 44.925 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

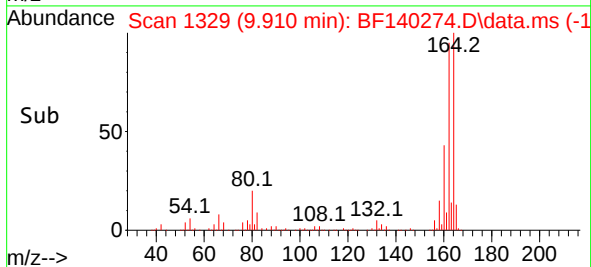
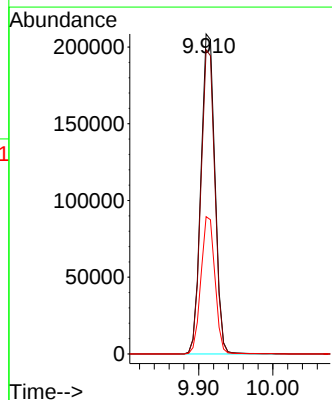
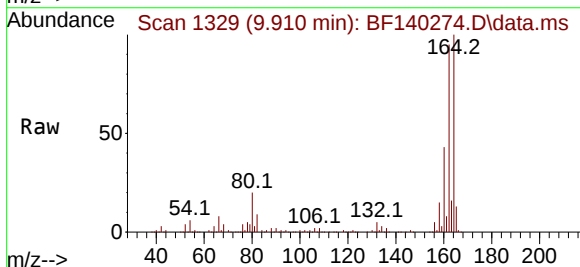
Instrument :
BNA_F
ClientSampleId :
BP-G5-WC

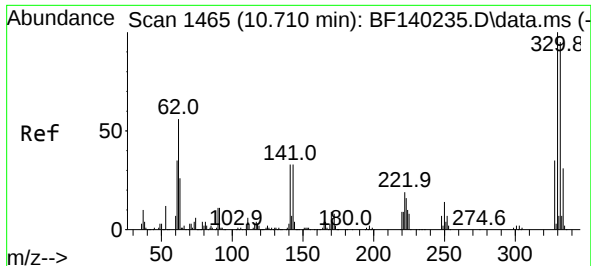
Tgt Ion: 82 Resp: 732992
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion: 164 Resp: 273664
Ion Ratio Lower Upper
164 100
162 95.1 77.0 115.4
160 42.9 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 118.701 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140274.D

Acq: 07 Nov 2024 14:53

Instrument :

BNA_F

ClientSampleId :

BP-G5-WC

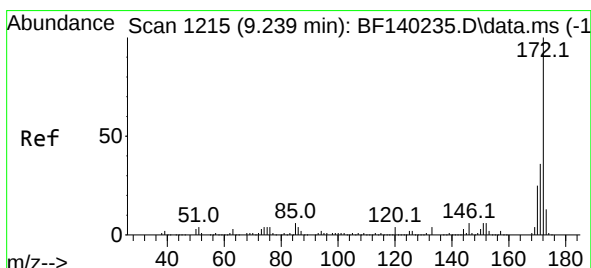
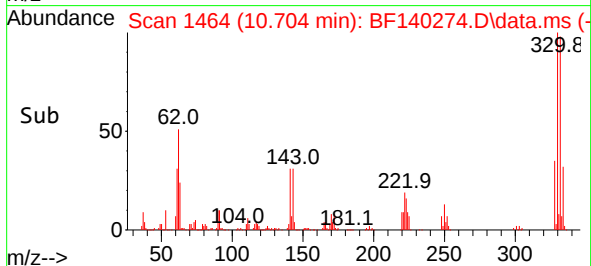
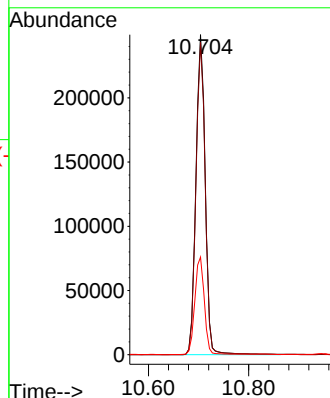
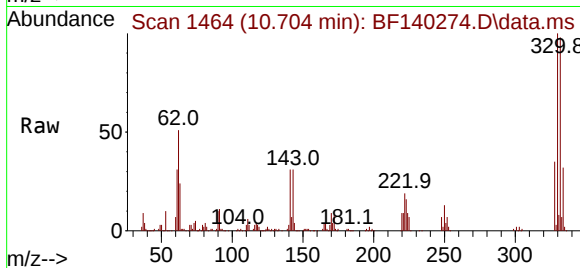
Tgt Ion:330 Resp: 321089

Ion Ratio Lower Upper

330 100

332 97.5 76.4 114.6

141 30.9 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 77.069 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140274.D

Acq: 07 Nov 2024 14:53

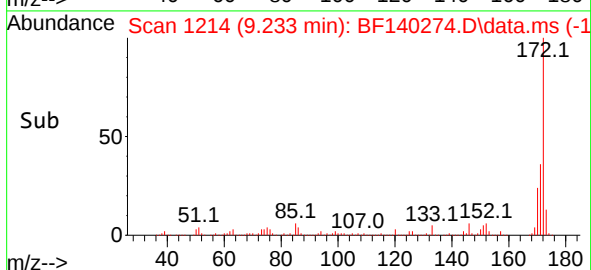
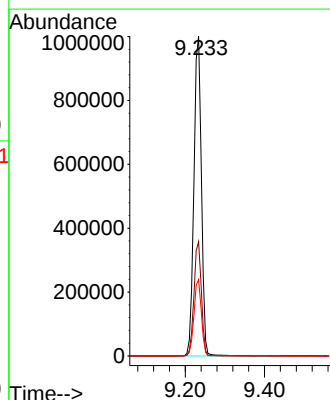
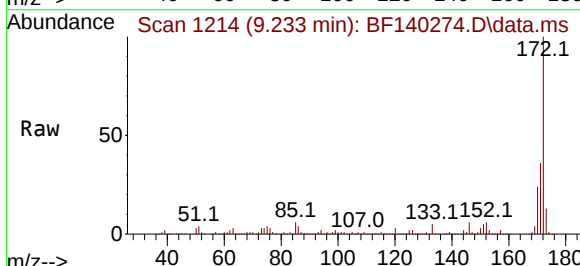
Tgt Ion:172 Resp: 1320824

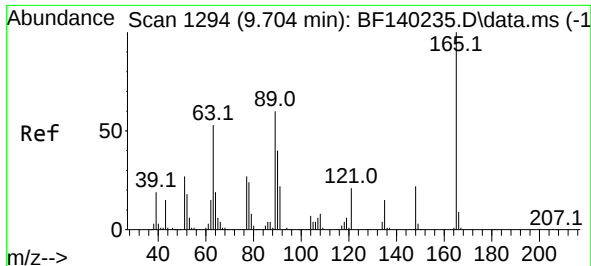
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.9 19.6 29.4

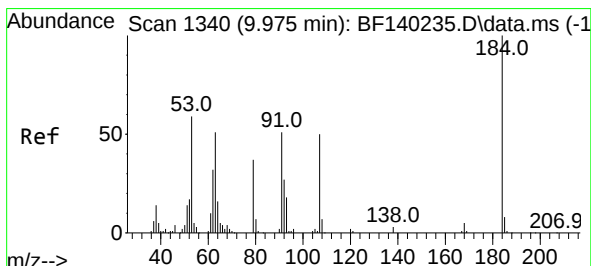
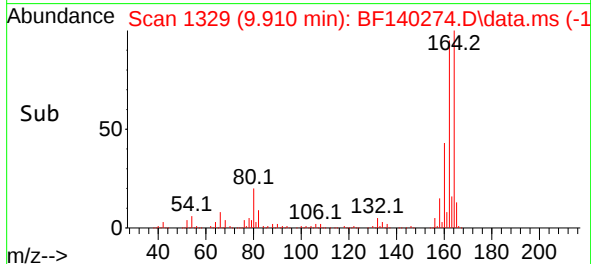
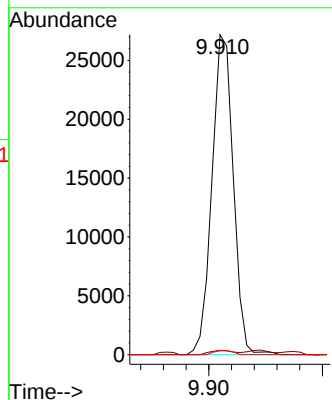
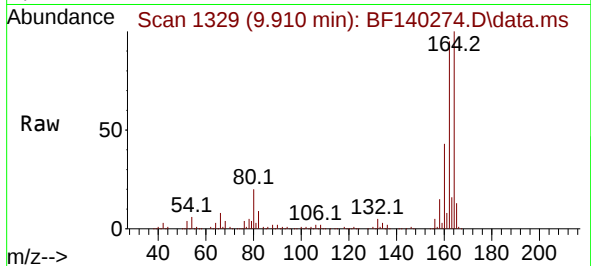




#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

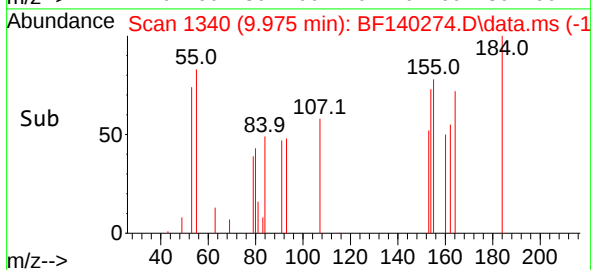
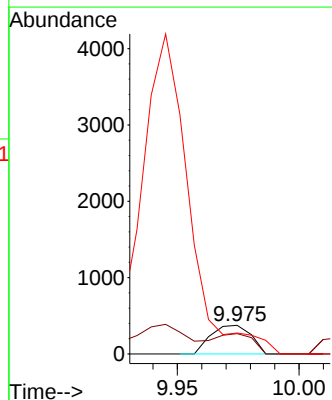
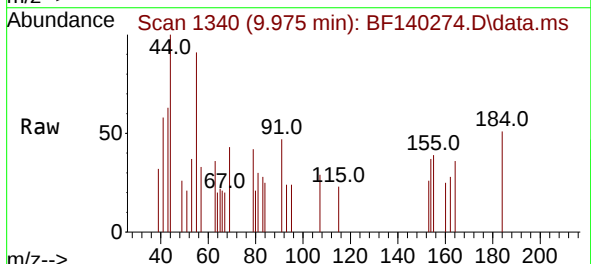
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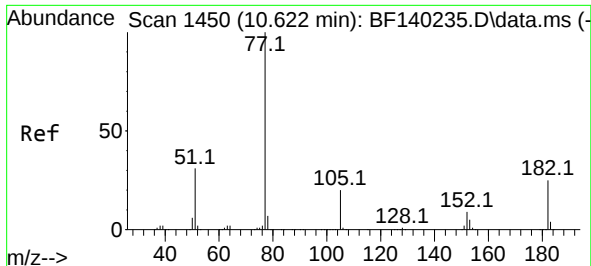
Tgt Ion:165 Resp: 35470
Ion Ratio Lower Upper
165 100
63 1.3 48.8 73.2#
89 1.2 48.1 72.1#



#54
2,4-Dinitrophenol
Concen: 6.334 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion:184 Resp: 428
Ion Ratio Lower Upper
184 100
63 71.1 60.1 90.1
154 73.3 66.3 99.5

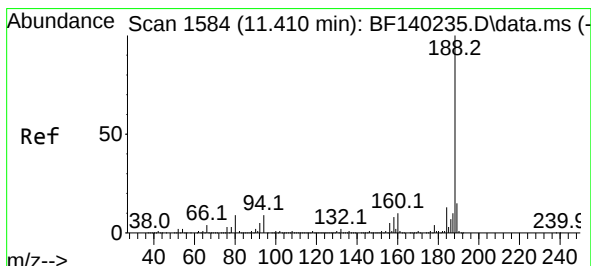
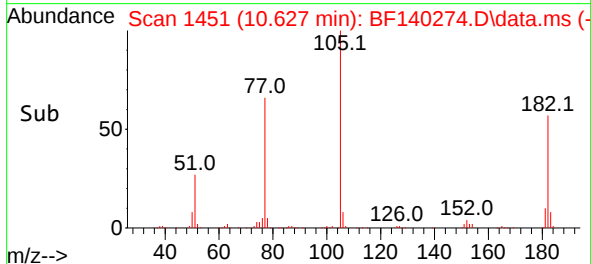
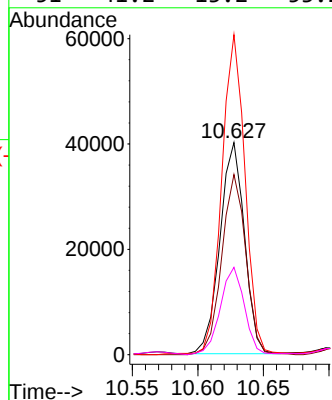
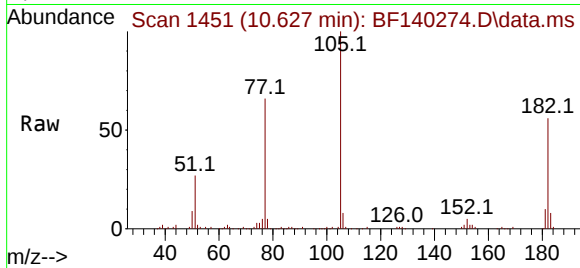




#63
Azobenzene
Concen: 3.003 ng
RT: 10.627 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

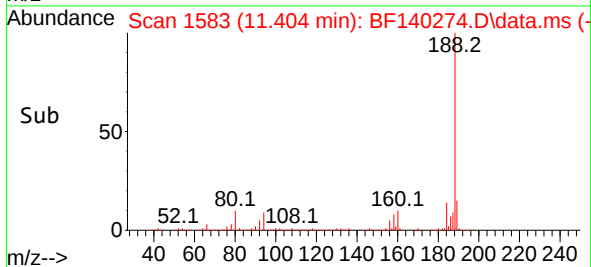
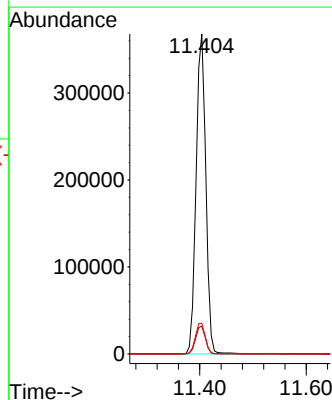
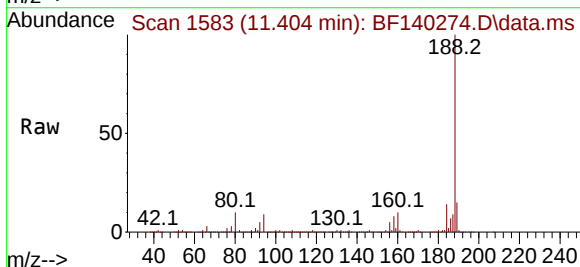
Instrument :
BNA_F
ClientSampleId :
BP-G5-WC

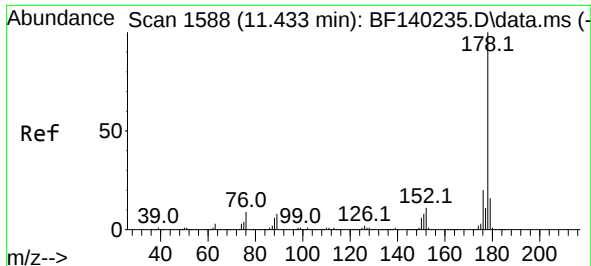
Tgt Ion: 77 Resp: 52133
Ion Ratio Lower Upper
77 100
182 84.9 4.7 44.7#
105 150.8 0.0 40.0#
51 41.2 13.2 53.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion: 188 Resp: 466005
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 9.6 7.5 11.3

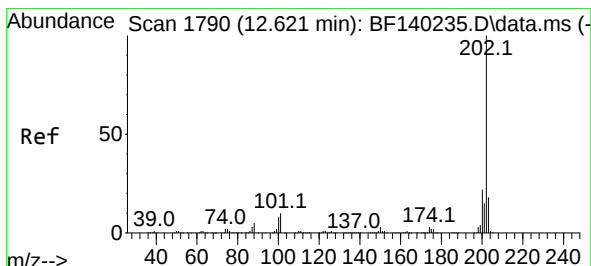
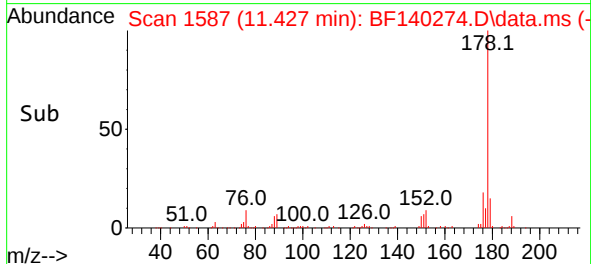
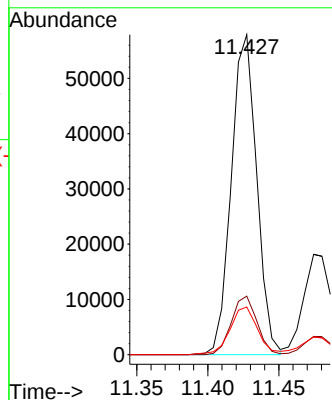
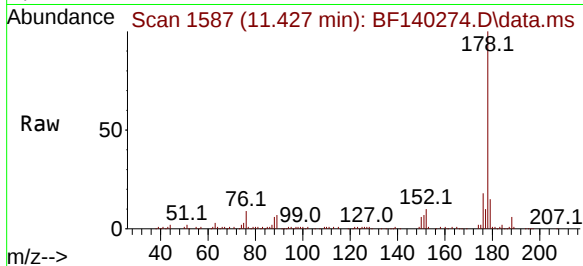




#71
Phenanthrene
Concen: 3.243 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

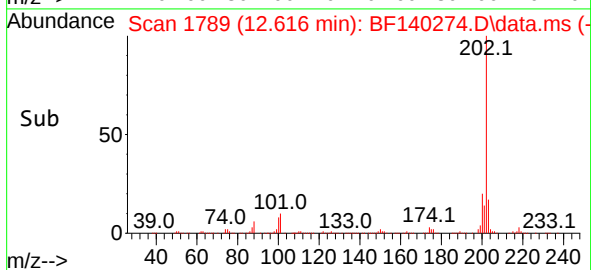
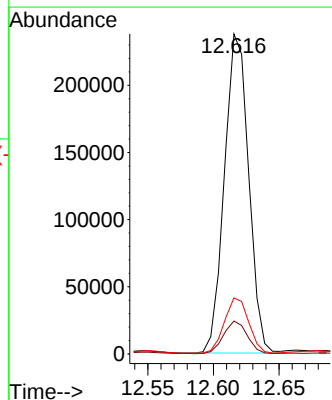
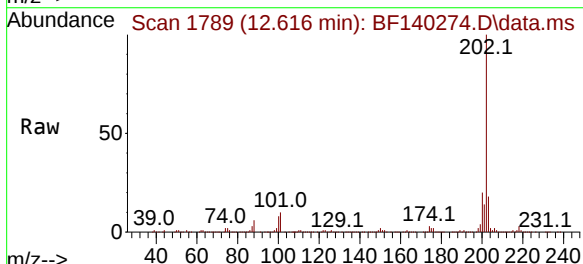
Instrument :
BNA_F
ClientSampleId :
BP-G5-WC

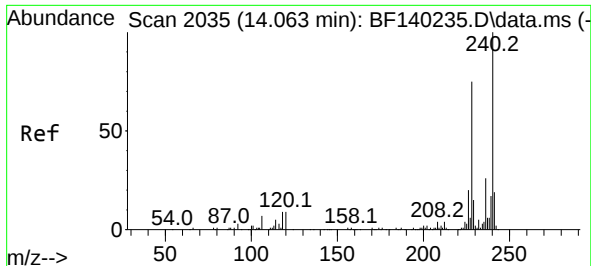
Tgt Ion:178 Resp: 72113
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.9 12.6 18.8



#75
Fluoranthene
Concen: 13.118 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion:202 Resp: 305049
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.4
203 17.5 0.0 38.0

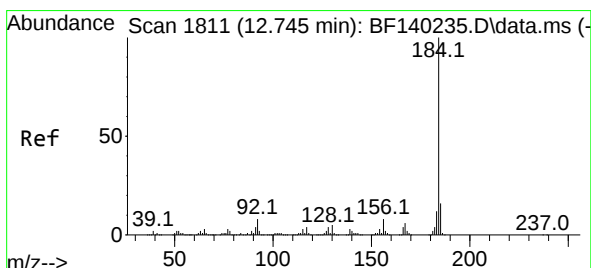
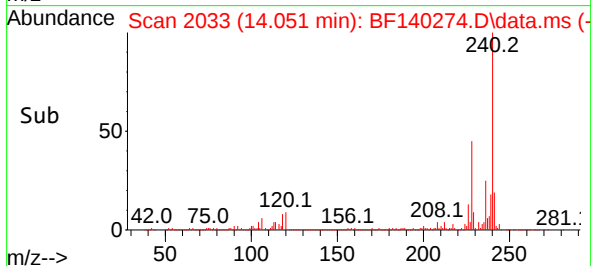
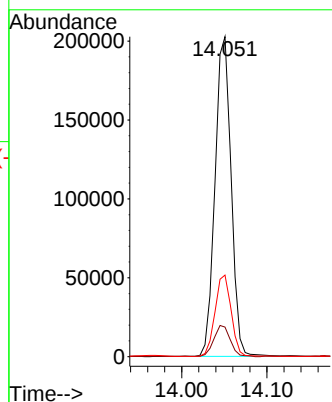
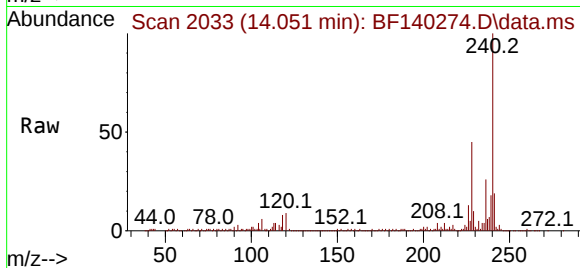




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

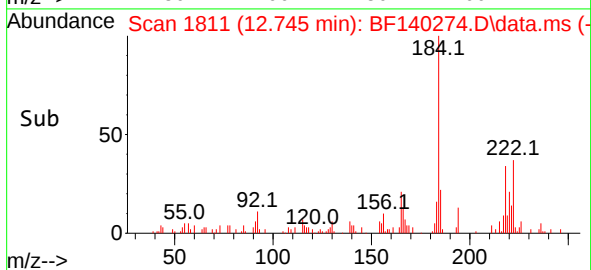
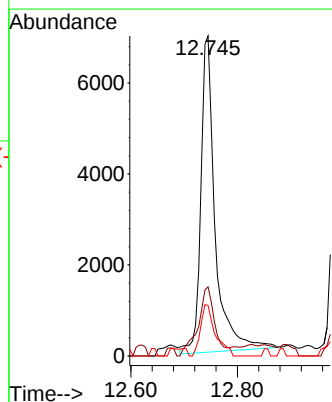
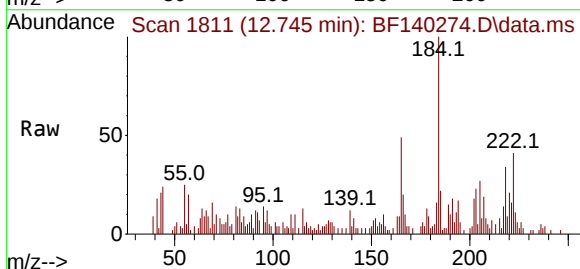
Instrument :
BNA_F
ClientSampleId :
BP-G5-WC

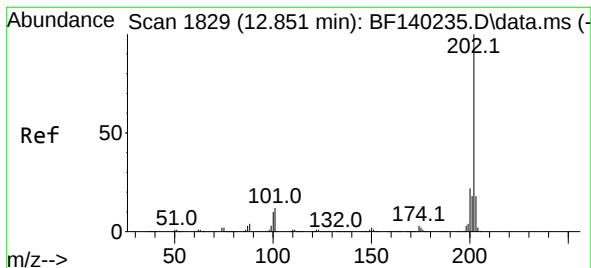
Tgt Ion:240 Resp: 265996
Ion Ratio Lower Upper
240 100
120 9.2 7.5 11.3
236 25.5 20.9 31.3



#77
Benzidine
Concen: 2.499 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion:184 Resp: 12997
Ion Ratio Lower Upper
184 100
185 21.6 12.5 18.7#
183 15.8 9.3 13.9#





#78

Pyrene

Concen: 17.966 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140274.D

Acq: 07 Nov 2024 14:53

Instrument :

BNA_F

ClientSampleId :

BP-G5-WC

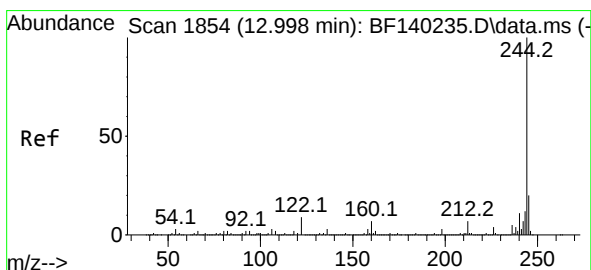
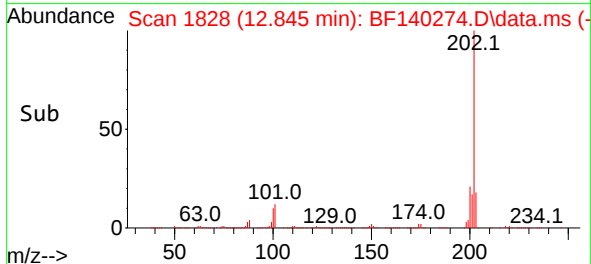
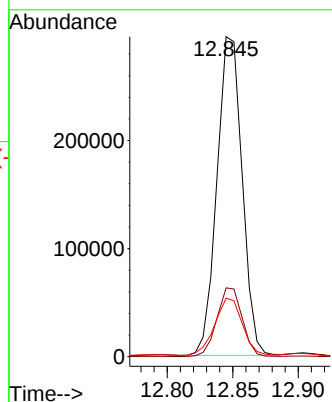
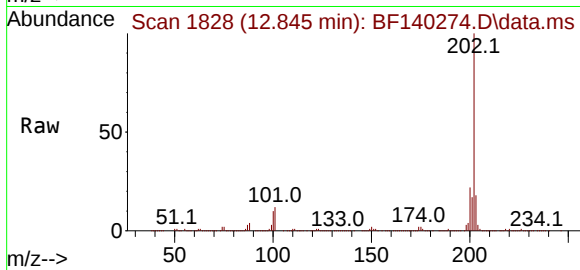
Tgt Ion:202 Resp: 394576

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

203 18.3 14.4 21.6



#79

Terphenyl-d14

Concen: 73.689 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140274.D

Acq: 07 Nov 2024 14:53

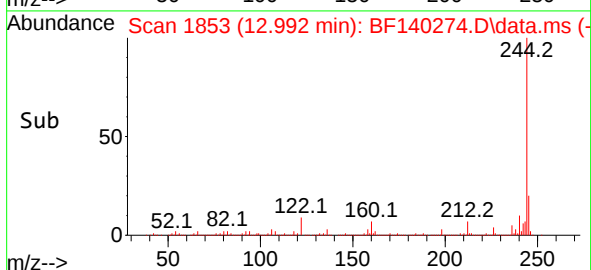
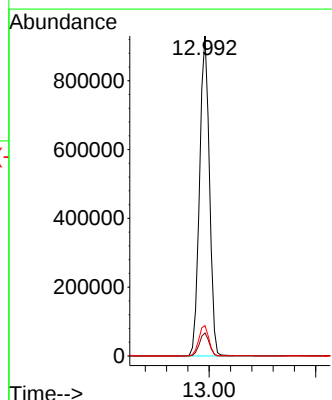
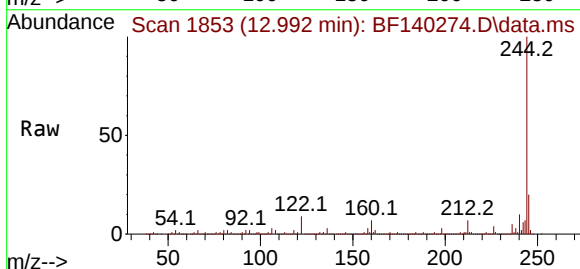
Tgt Ion:244 Resp: 1196540

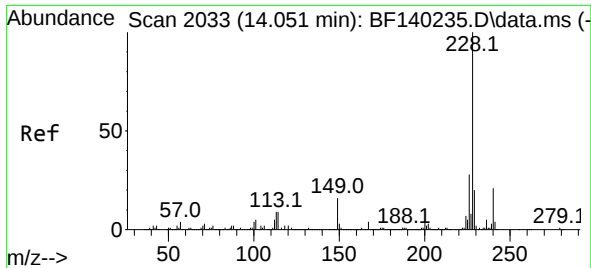
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.5 7.6 11.4

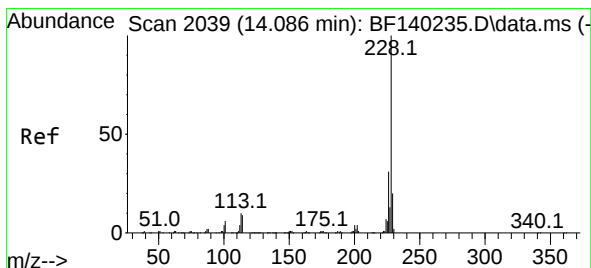
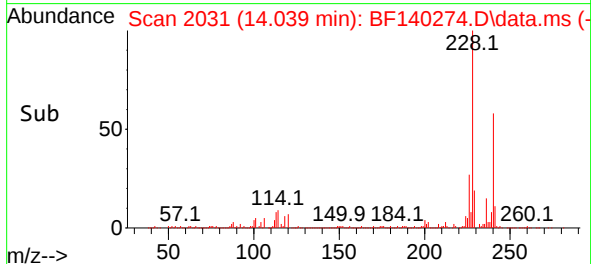
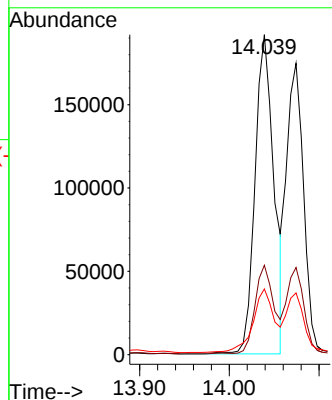
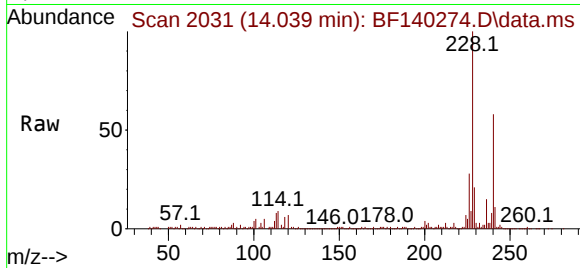




#81
Benzo(a)anthracene
Concen: 16.448 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

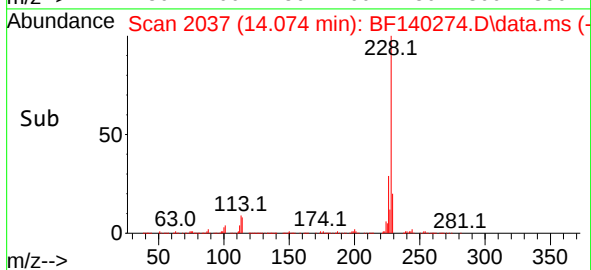
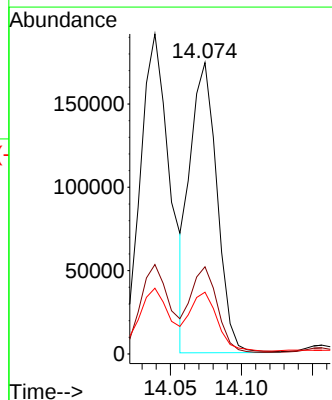
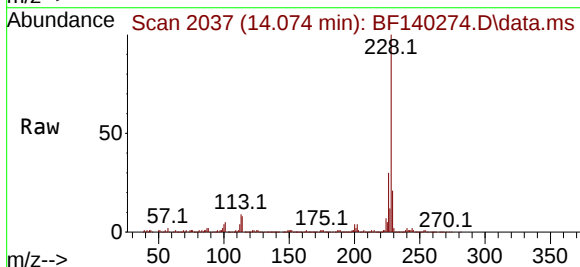
Instrument :
BNA_F
ClientSampleId :
BP-G5-WC

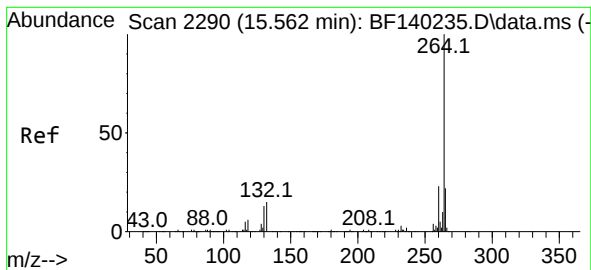
Tgt Ion:228 Resp: 280783
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 20.5 16.1 24.1



#83
Chrysene
Concen: 14.335 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion:228 Resp: 229158
Ion Ratio Lower Upper
228 100
226 29.9 24.6 36.8
229 21.2 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF140274.D

Acq: 07 Nov 2024 14:53

Instrument :

BNA_F

ClientSampleId :

BP-G5-WC

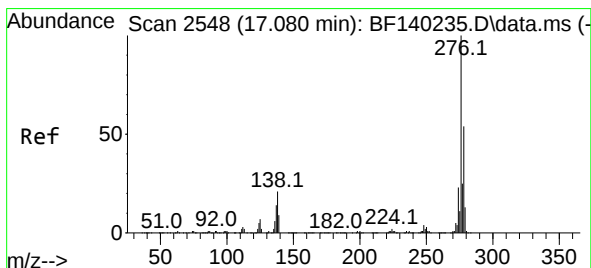
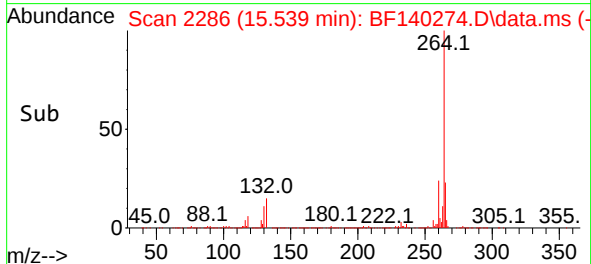
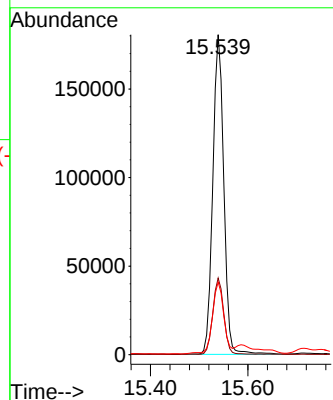
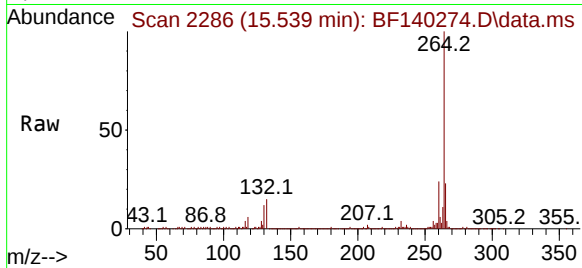
Tgt Ion:264 Resp: 281342

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.7 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.142 ng

RT: 17.033 min Scan# 2540

Delta R.T. -0.047 min

Lab File: BF140274.D

Acq: 07 Nov 2024 14:53

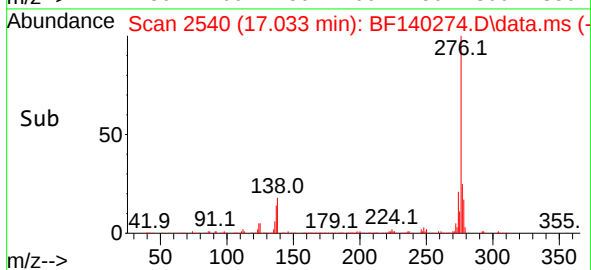
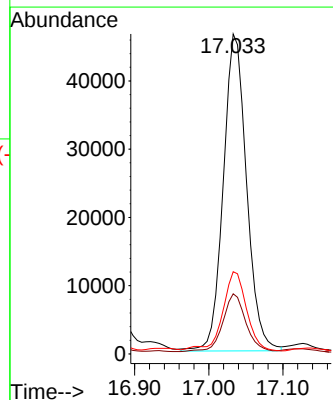
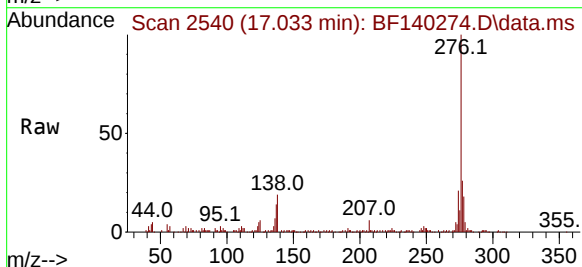
Tgt Ion:276 Resp: 101440

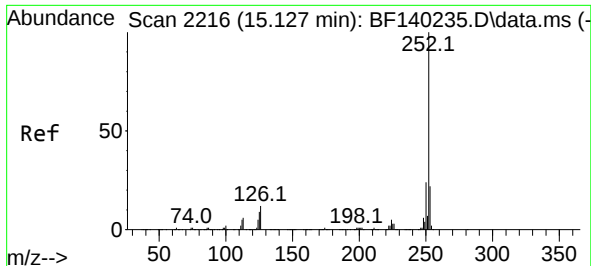
Ion Ratio Lower Upper

276 100

138 17.8 17.6 26.4

277 25.8 20.2 30.2

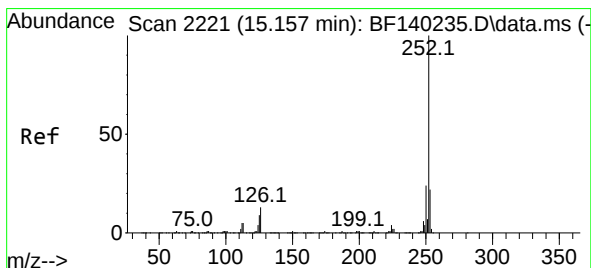
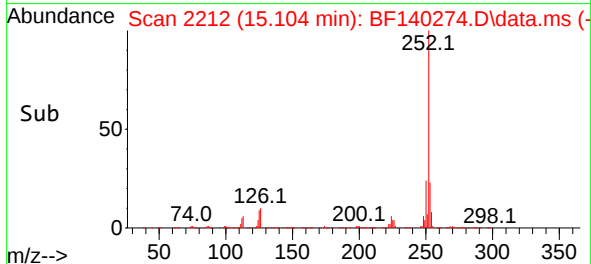
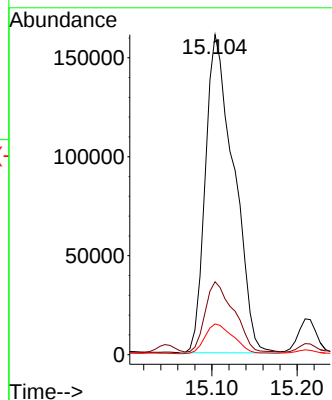
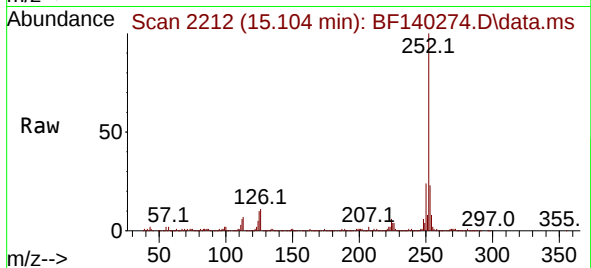




#88
Benzo(b)fluoranthene
Concen: 21.919 ng
RT: 15.104 min Scan# 2112
Delta R.T. -0.024 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

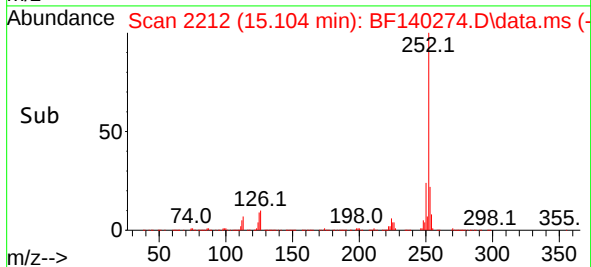
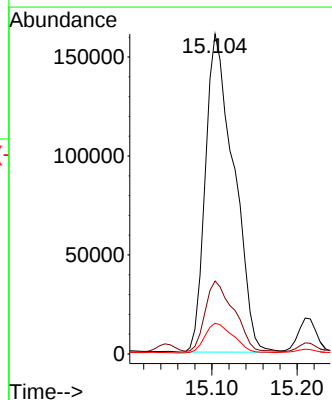
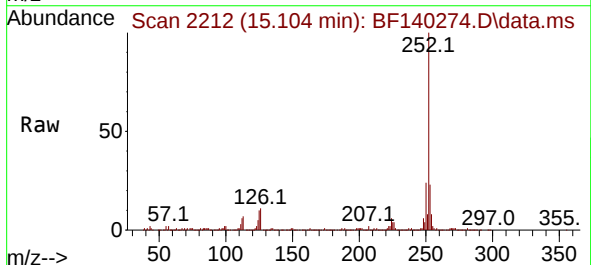
Instrument :
BNA_F
ClientSampleId :
BP-G5-WC

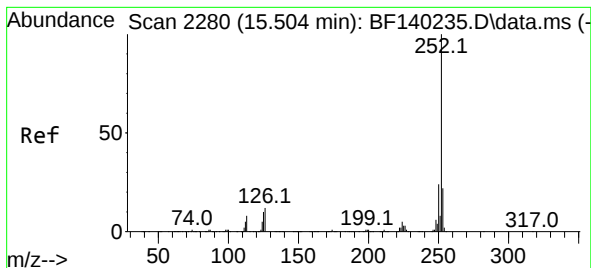
Tgt Ion:252 Resp: 373015
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 9.6 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 23.887 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.053 min
Lab File: BF140274.D
Acq: 07 Nov 2024 14:53

Tgt Ion:252 Resp: 373015
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 9.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 13.969 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140274.D

Acq: 07 Nov 2024 14:53

Instrument :

BNA_F

ClientSampleId :

BP-G5-WC

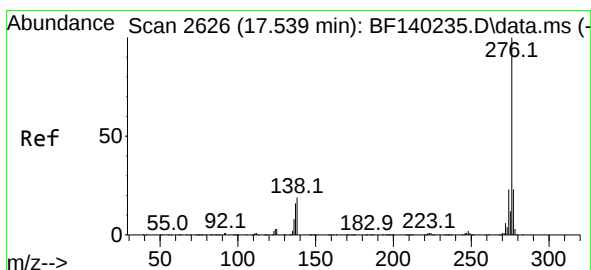
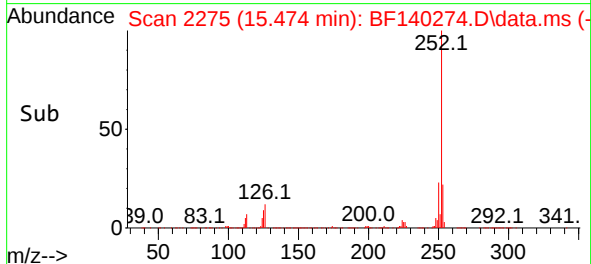
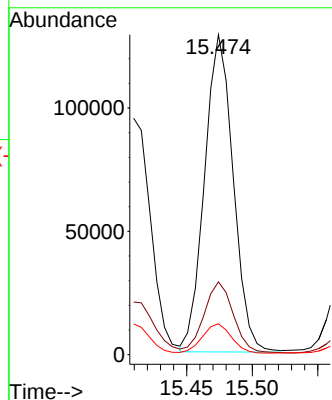
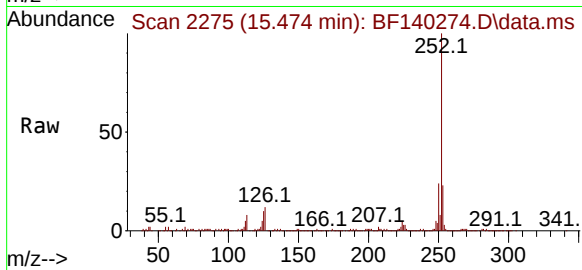
Tgt Ion:252 Resp: 196002

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 9.7 7.6 11.4



#92

Benzo(g,h,i)perylene

Concen: 6.703 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.047 min

Lab File: BF140274.D

Acq: 07 Nov 2024 14:53

Tgt Ion:276 Resp: 92908

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 18.4 15.3 22.9

