

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140377.D
 Acq On : 14 Nov 2024 21:54
 Operator : RC/JU
 Sample : P4722-08DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2(0-6)DL

Quant Time: Nov 15 00:30:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

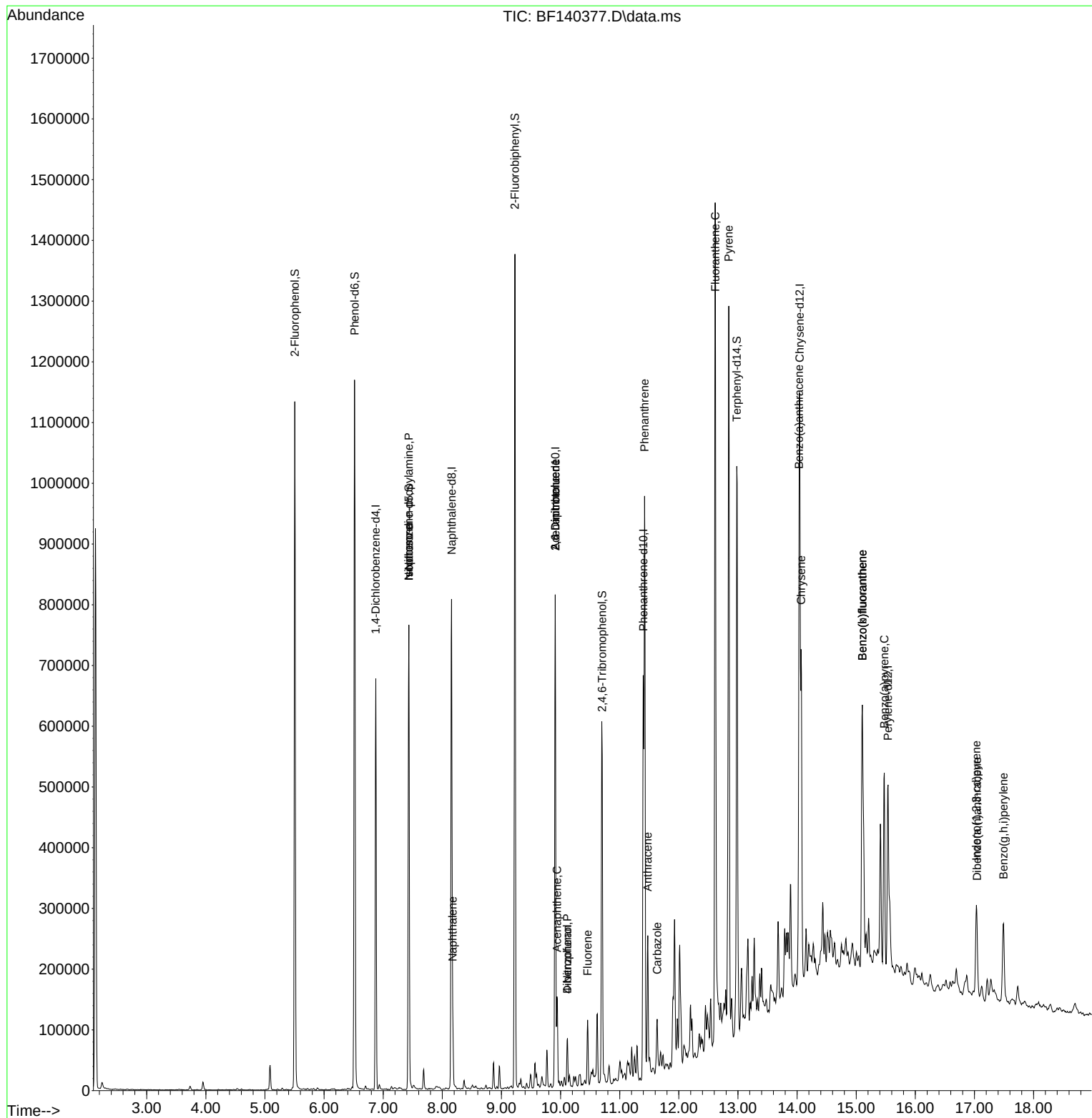
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	137496	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	500452	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	231647	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	343646	20.000	ng	0.00
76) Chrysene-d12	14.045	240	249695	20.000	ng	0.00
86) Perylene-d12	15.539	264	178555	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	411590	51.110	ng	0.01
7) Phenol-d6	6.516	99	532252	48.783	ng	0.01
23) Nitrobenzene-d5	7.434	82	342877	35.697	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	89556	38.877	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	584873	40.588	ng	0.00
79) Terphenyl-d14	12.980	244	450848	31.341	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	45034	6.834	ng	# 78
25) Isophorone	7.434	82	336782	19.784	ng	# 66
31) Naphthalene	8.175	128	56490	2.225	ng	99
51) 2,6-Dinitrotoluene	9.910	165	32123	9.332	ng	# 23
52) Acenaphthene	9.939	154	45039	3.433	ng	97
55) Dibenzofuran	10.116	168	37557	2.022	ng	96
56) 4-Nitrophenol	10.116	139	14317	5.430	ng	# 7
57) 2,4-Dinitrotoluene	9.910	165	32124	7.091	ng	# 20
58) Fluorene	10.457	166	39750	2.709	ng	99
71) Phenanthrene	11.422	178	494923	30.659	ng	99
72) Anthracene	11.475	178	126783	8.014	ng	98
73) Carbazole	11.633	167	45373	2.904	ng	98
75) Fluoranthene	12.616	202	739589	40.836	ng	100
78) Pyrene	12.845	202	694308	32.508	ng	99
81) Benzo(a)anthracene	14.033	228	347397	21.169	ng	98
83) Chrysene	14.068	228	296320	19.790	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	119520	10.836	ng	95
88) Benzo(b)fluoranthene	15.104	252	385254	32.983	ng	98
89) Benzo(k)fluoranthene	15.104	252	385254	40.375	ng	97
90) Benzo(a)pyrene	15.474	252	196874	21.705	ng	98
91) Dibenzo(a,h)anthracene	17.045	278	28476	3.123	ng	# 85
92) Benzo(g,h,i)perylene	17.492	276	120148	12.890	ng	100

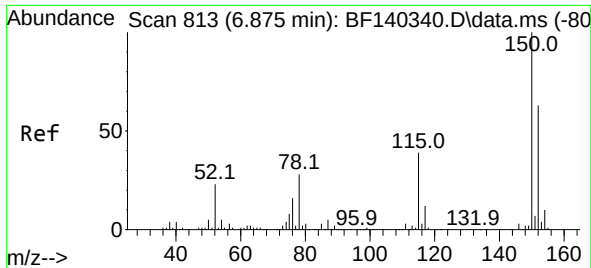
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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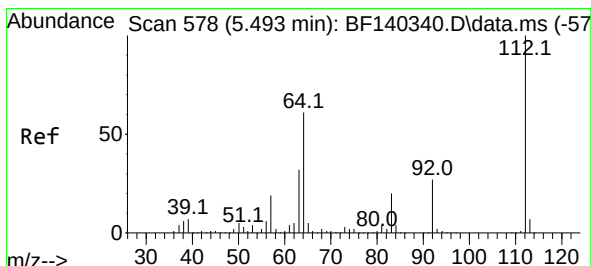
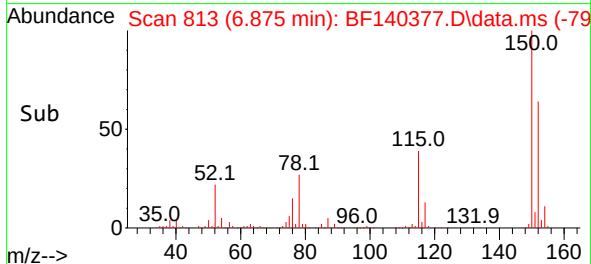
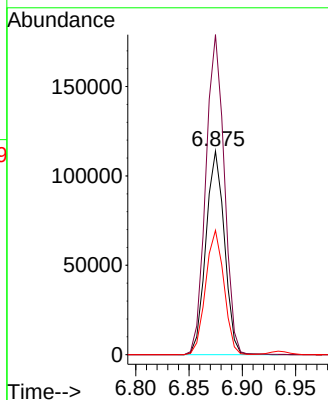
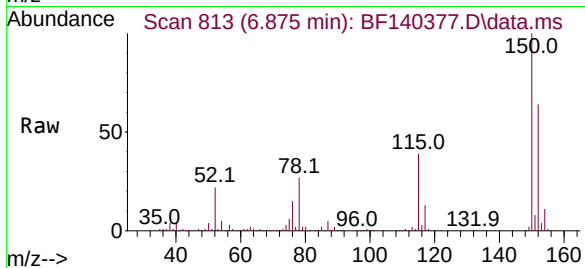




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

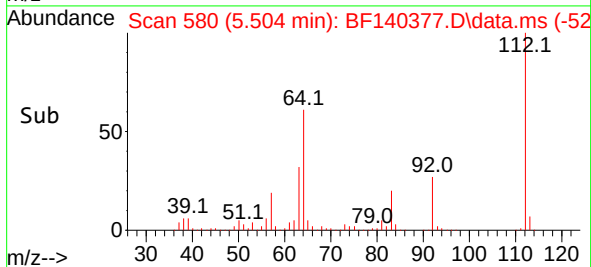
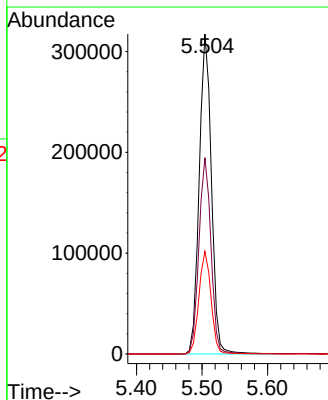
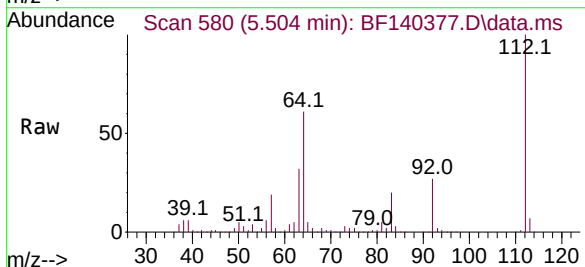
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

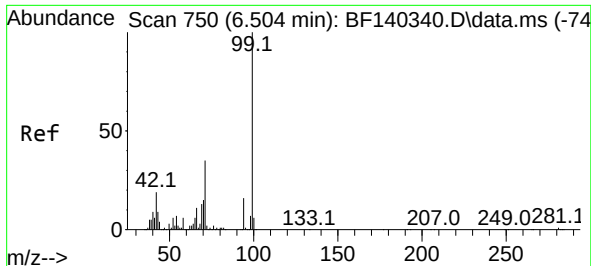
Tgt Ion:152 Resp: 137496
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.0
115 61.1 47.4 71.2



#5
2-Fluorophenol
Concen: 51.110 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion:112 Resp: 411590
Ion Ratio Lower Upper
112 100
64 61.4 49.2 73.8
63 32.0 25.6 38.4

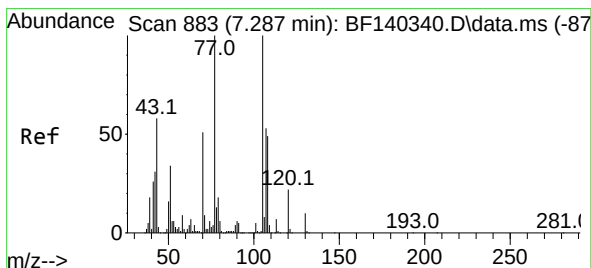
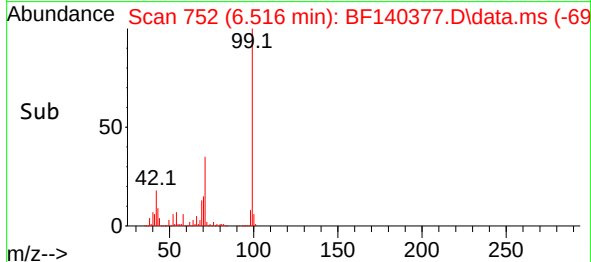
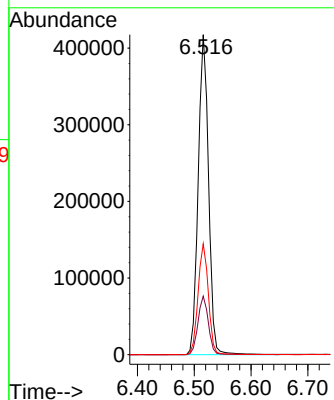
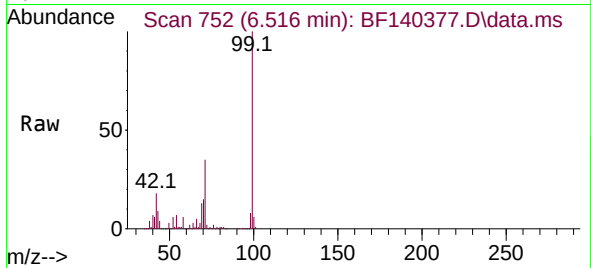




#7
Phenol-d6
Concen: 48.783 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

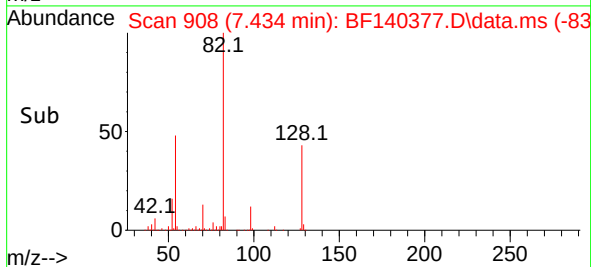
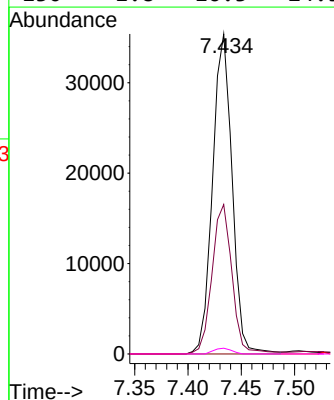
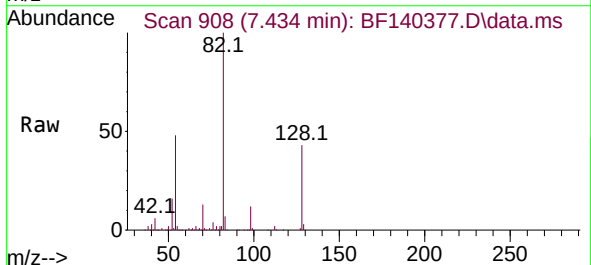
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

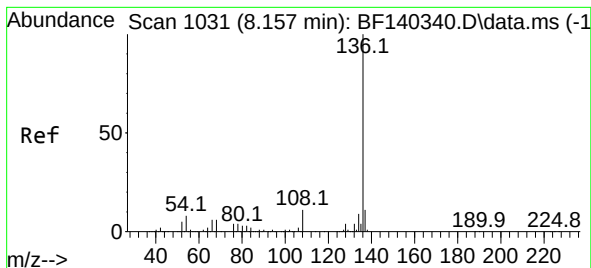
Tgt Ion: 99 Resp: 532252
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 34.7 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 6.834 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion: 70 Resp: 45034
Ion Ratio Lower Upper
70 100
42 46.7 46.8 70.2#
101 0.0 7.5 11.3#
130 1.8 16.3 24.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

Tgt Ion:136 Resp: 500452

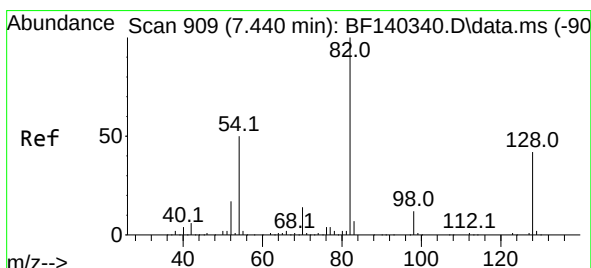
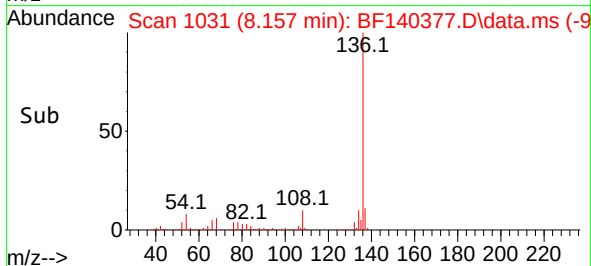
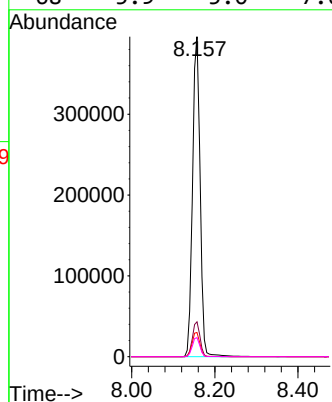
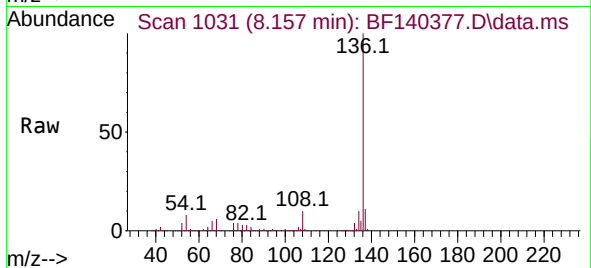
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.5 6.5 9.7

68 5.9 5.0 7.6



#23

Nitrobenzene-d5

Concen: 35.697 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

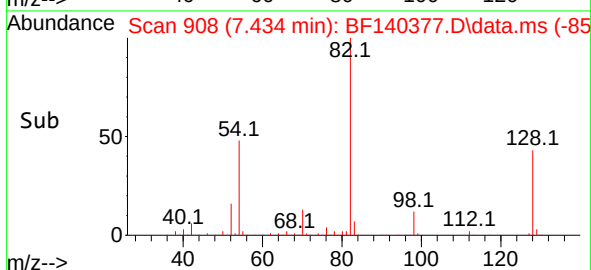
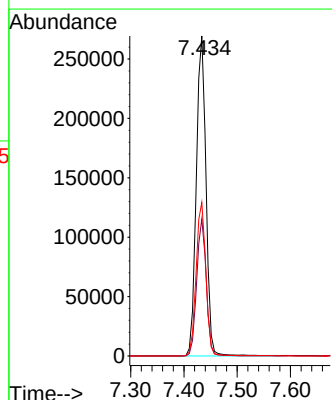
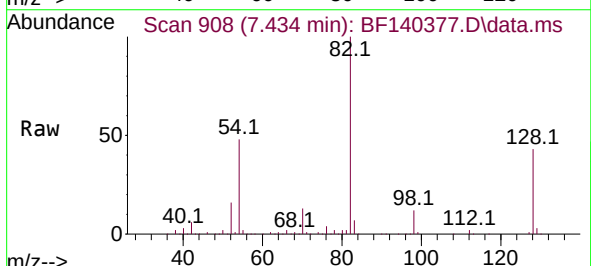
Tgt Ion: 82 Resp: 342877

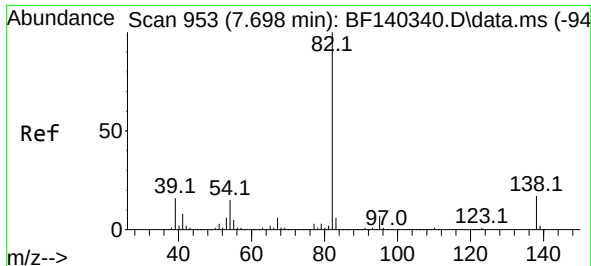
Ion Ratio Lower Upper

82 100

128 42.8 33.3 49.9

54 48.0 39.8 59.8

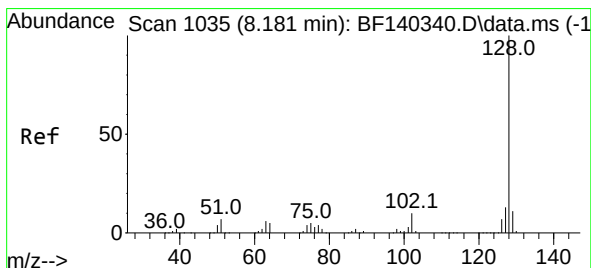
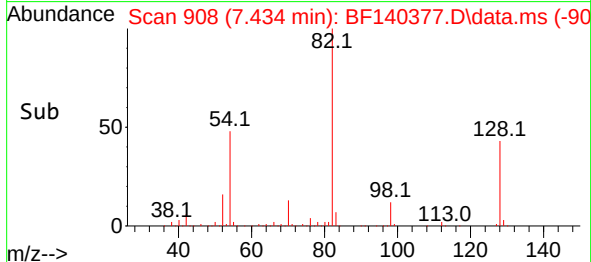
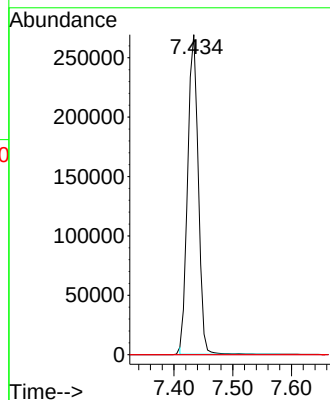
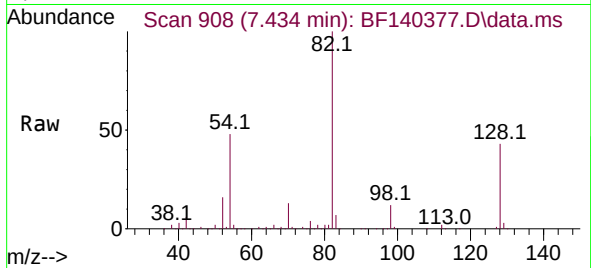




#25
Isophorone
Concen: 19.784 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

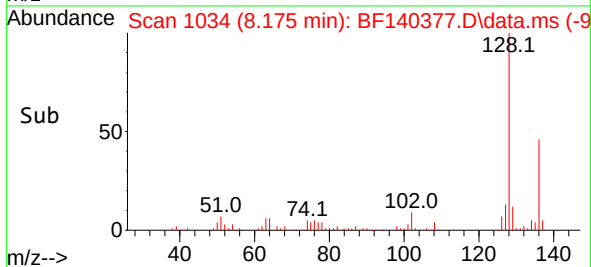
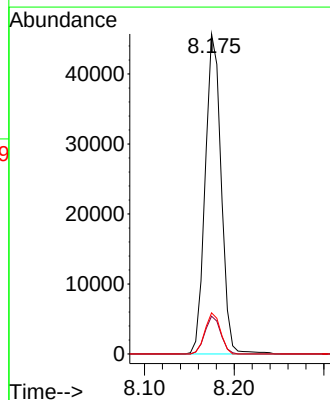
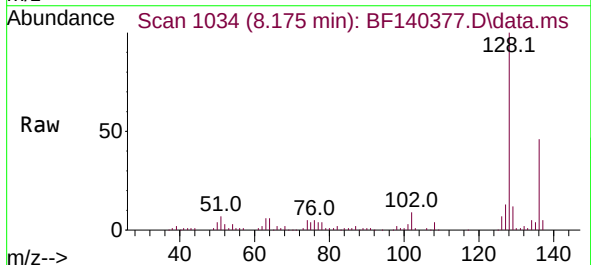
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

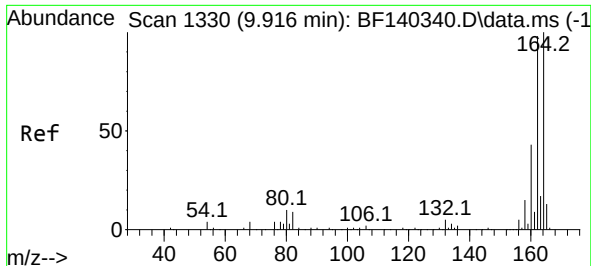
Tgt Ion: 82 Resp: 336782
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



#31
Naphthalene
Concen: 2.225 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion: 128 Resp: 56490
Ion Ratio Lower Upper
128 100
129 11.8 8.9 13.3
127 12.9 10.6 15.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

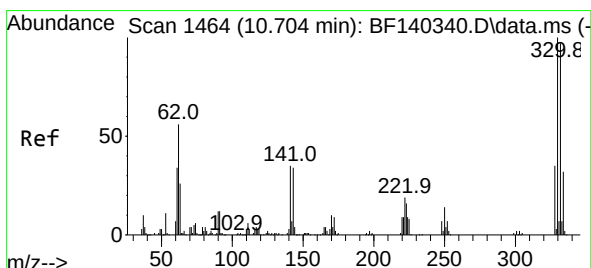
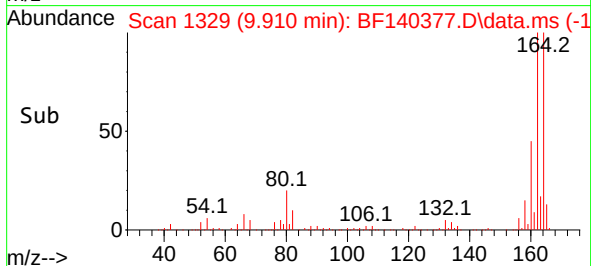
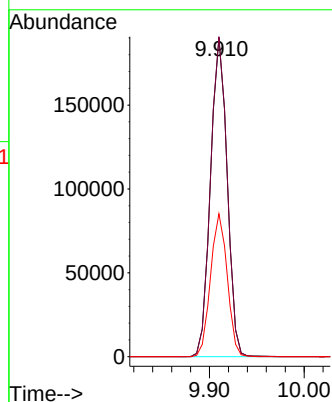
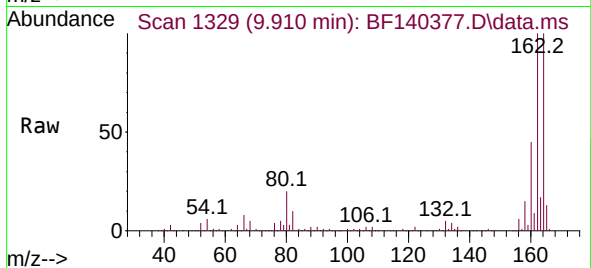
Tgt Ion:164 Resp: 231647

Ion Ratio Lower Upper

164 100

162 100.5 79.8 119.8

160 44.8 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 38.877 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

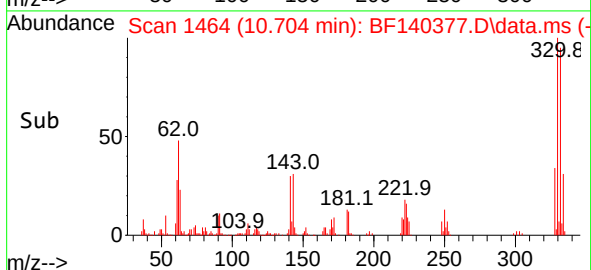
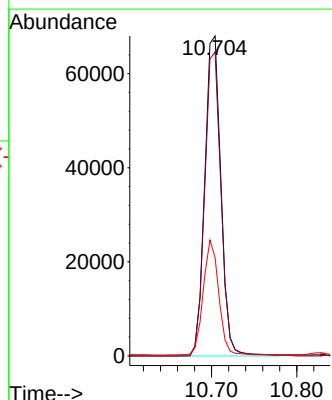
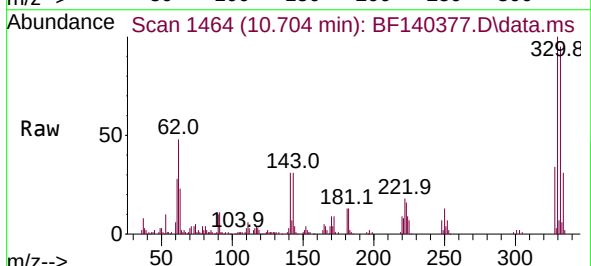
Tgt Ion:330 Resp: 89556

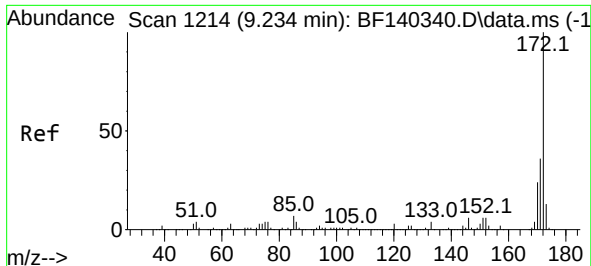
Ion Ratio Lower Upper

330 100

332 95.7 75.9 113.9

141 34.2 26.9 40.3





#45

2-Fluorobiphenyl

Concen: 40.588 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

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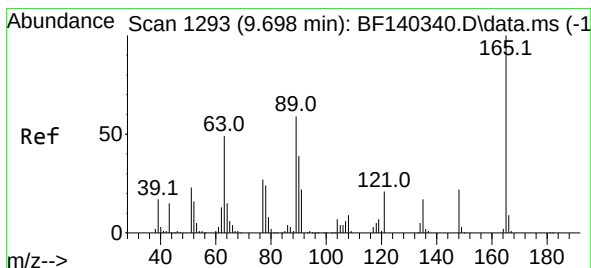
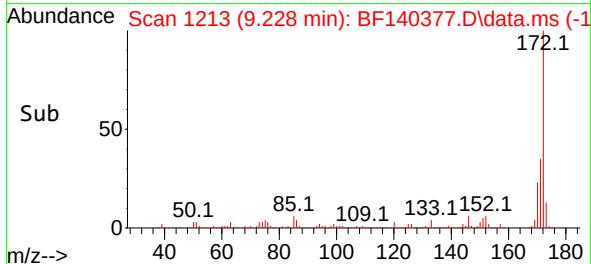
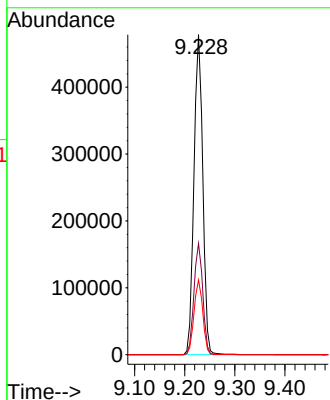
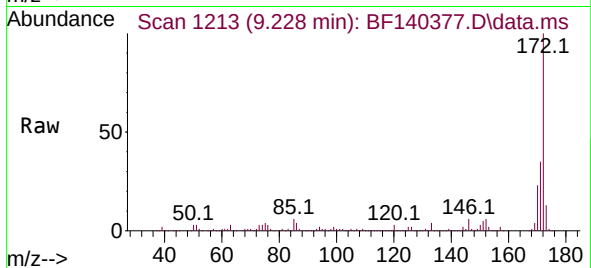
Tgt Ion:172 Resp: 584873

Ion Ratio Lower Upper

172 100

171 34.8 28.5 42.7

170 23.3 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.332 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

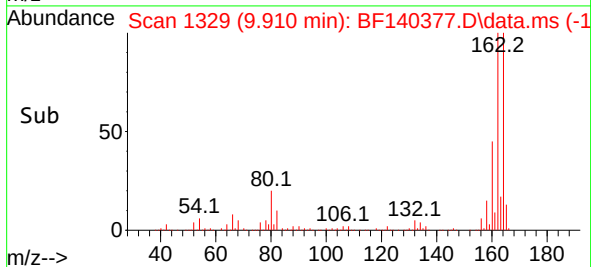
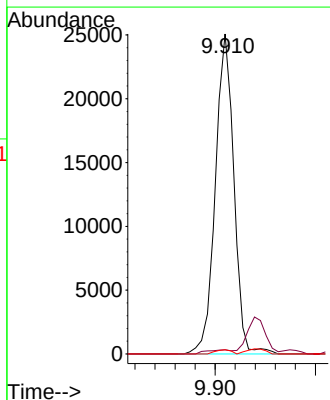
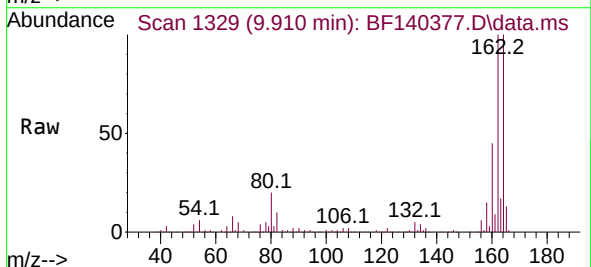
Tgt Ion:165 Resp: 32123

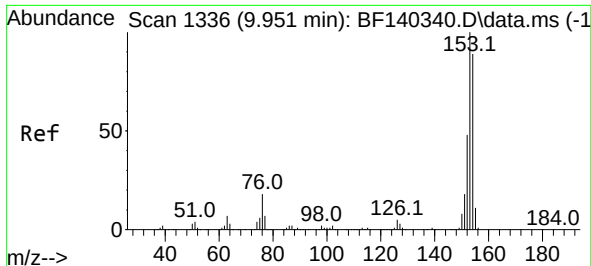
Ion Ratio Lower Upper

165 100

63 1.3 47.6 71.4#

89 1.3 48.1 72.1#

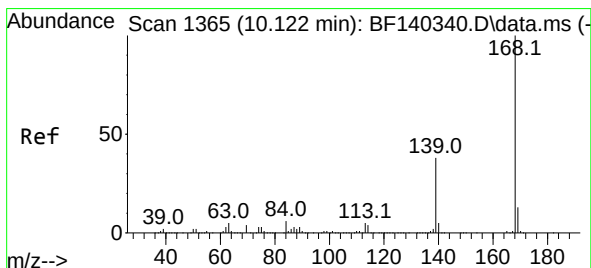
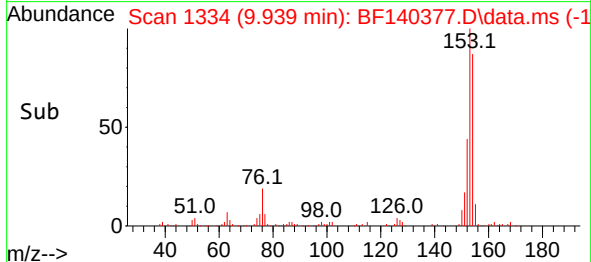
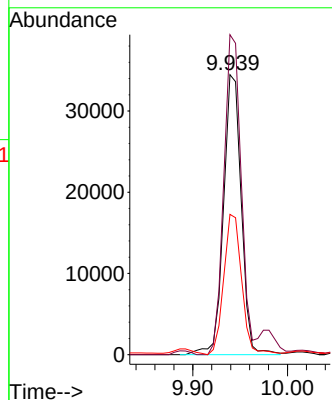
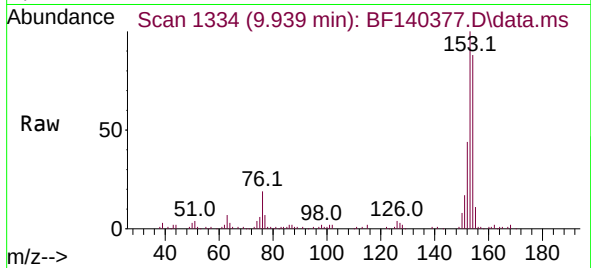




#52
Acenaphthene
Concen: 3.433 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

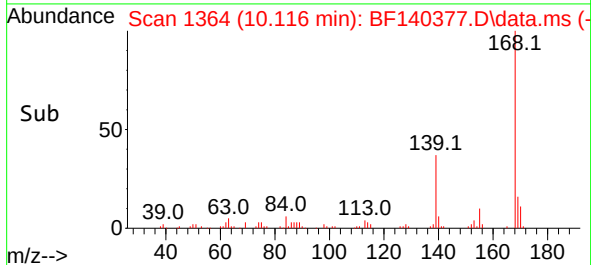
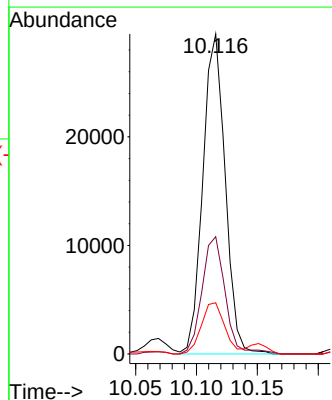
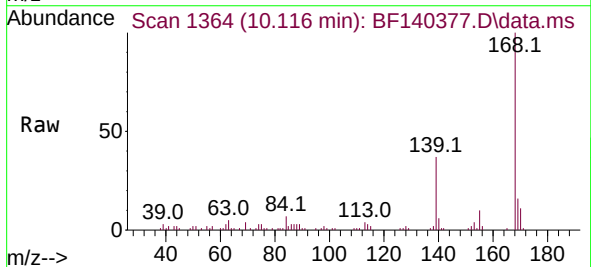
Instrument :
BNA_F
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WC-2(0-6)DL

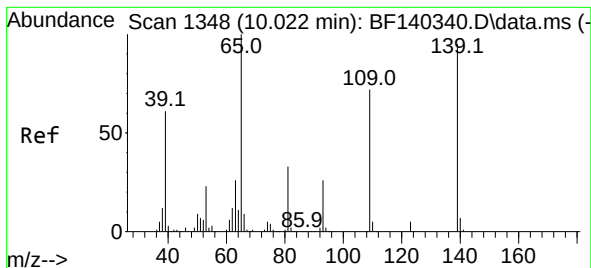
Tgt Ion:154 Resp: 45039
Ion Ratio Lower Upper
154 100
153 114.3 89.8 134.8
152 50.1 42.6 64.0



#55
Dibenzofuran
Concen: 2.022 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion:168 Resp: 37557
Ion Ratio Lower Upper
168 100
139 36.6 30.8 46.2
169 16.0 10.8 16.2

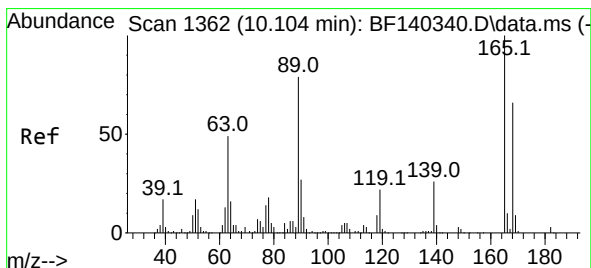
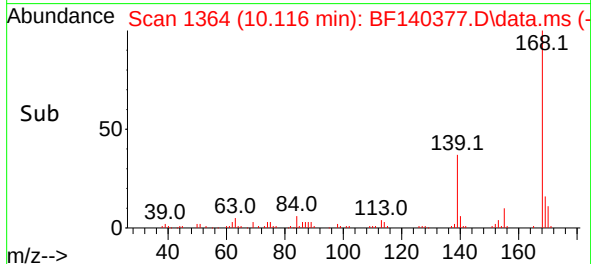
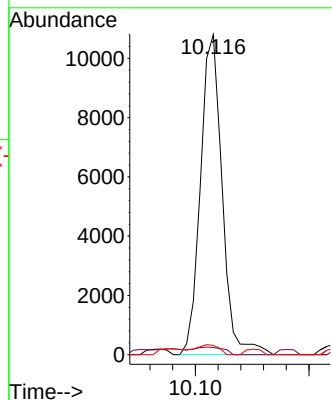
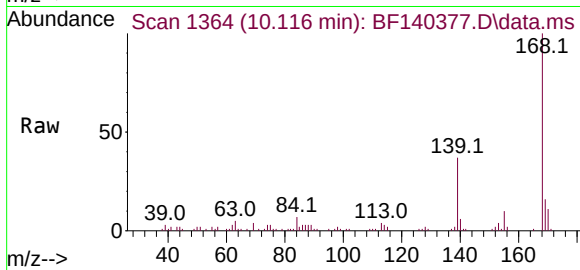




#56
4-Nitrophenol
Concen: 5.430 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

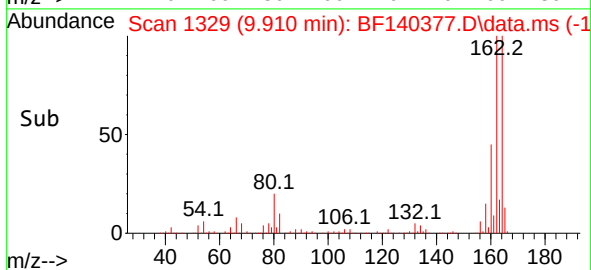
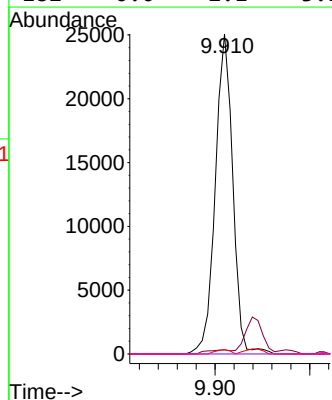
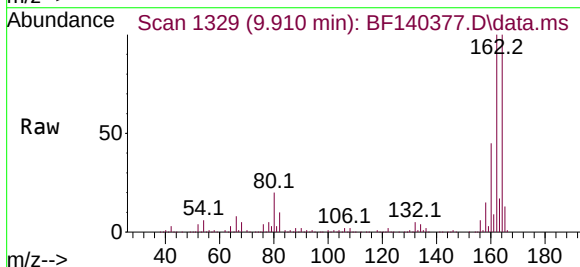
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

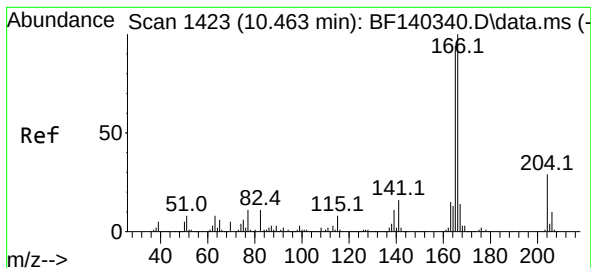
Tgt Ion:139 Resp: 14317
Ion Ratio Lower Upper
139 100
109 2.2 54.5 94.5#
65 2.9 84.4 124.4#



#57
2,4-Dinitrotoluene
Concen: 7.091 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion:165 Resp: 32124
Ion Ratio Lower Upper
165 100
63 1.3 39.4 59.0#
89 1.3 62.4 93.6#
182 0.0 2.1 3.1#





#58

Fluorene

Concen: 2.709 ng

RT: 10.457 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

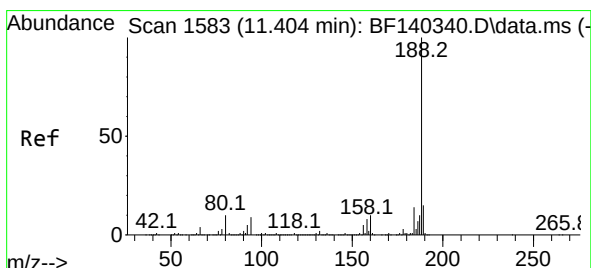
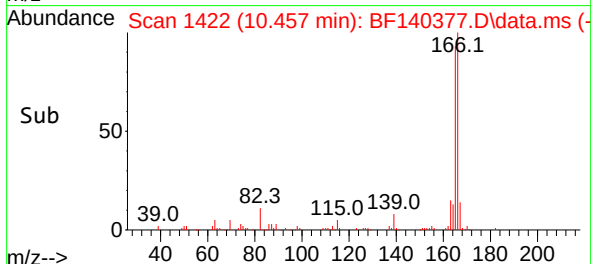
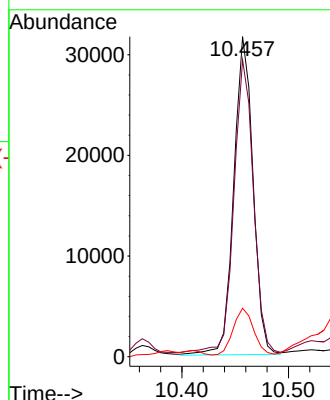
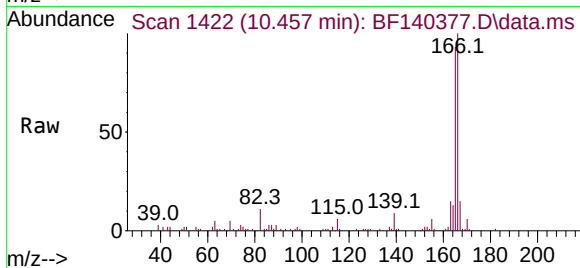
Tgt Ion:166 Resp: 39750

Ion Ratio Lower Upper

166 100

165 92.7 73.9 110.9

167 15.2 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

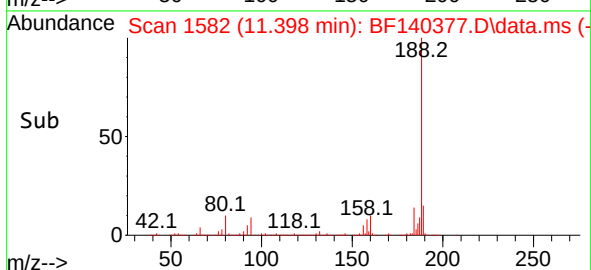
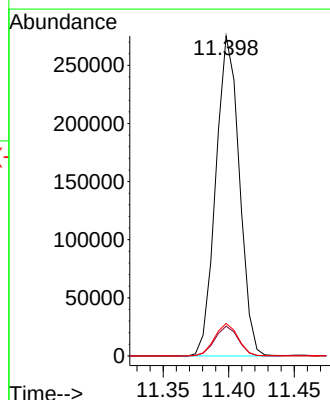
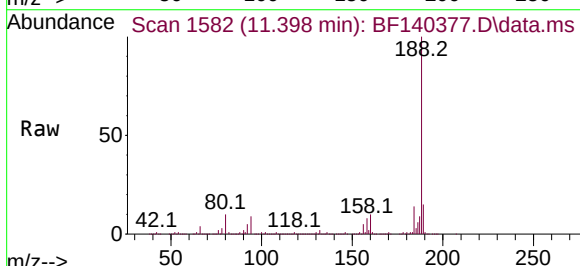
Tgt Ion:188 Resp: 343646

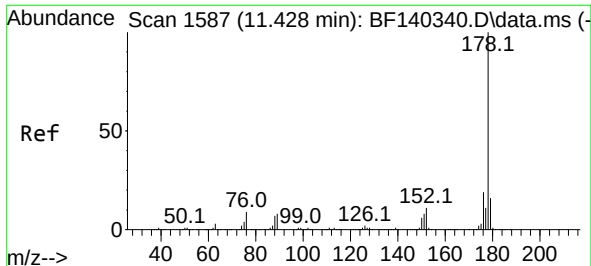
Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 10.1 8.0 12.0

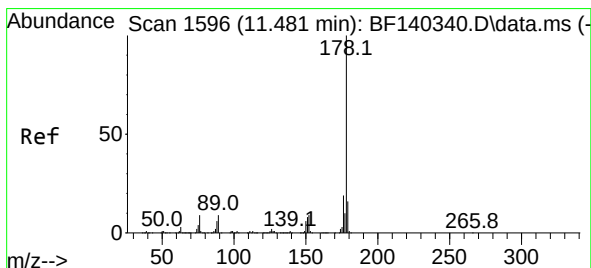
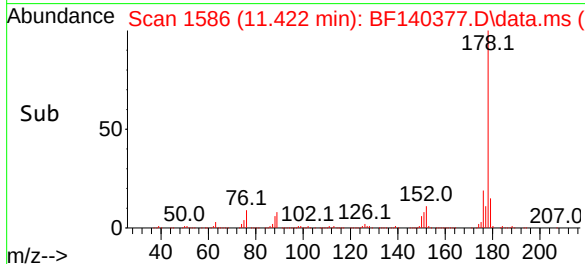
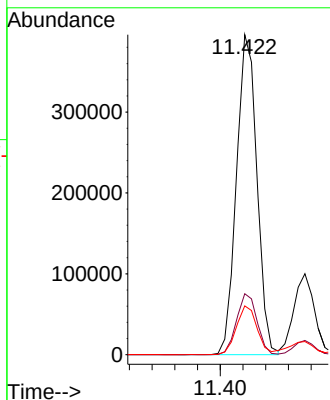
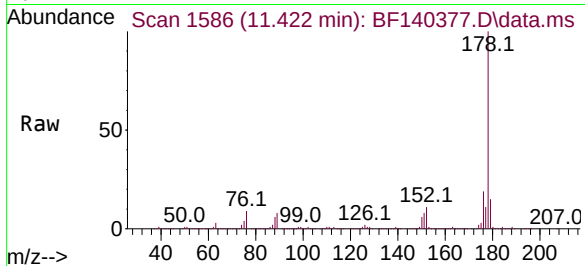




#71
Phenanthrene
Concen: 30.659 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

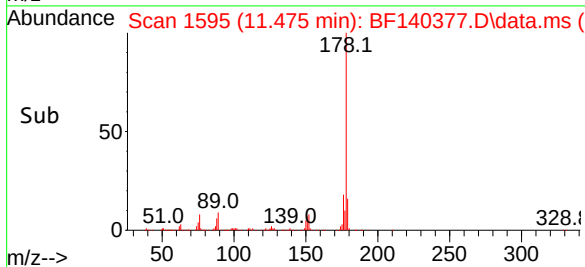
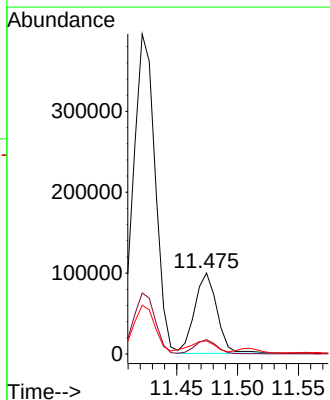
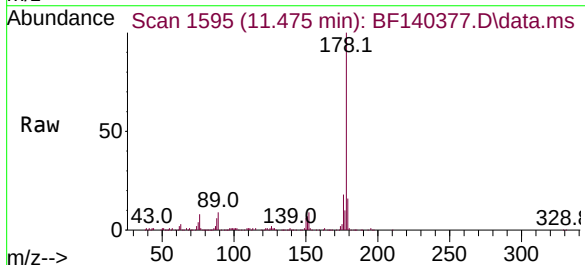
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

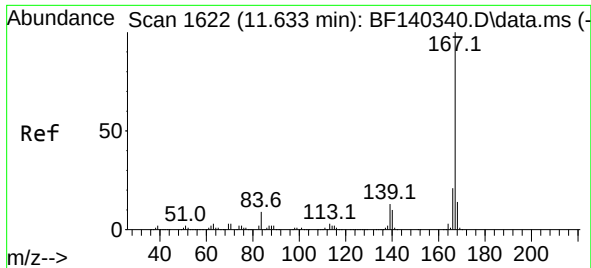
Tgt Ion:178 Resp: 494923
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.2 12.4 18.6



#72
Anthracene
Concen: 8.014 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion:178 Resp: 126783
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 16.2 12.6 18.8

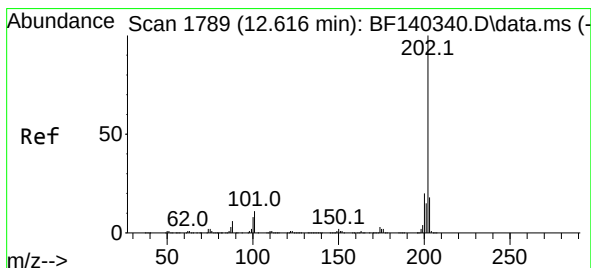
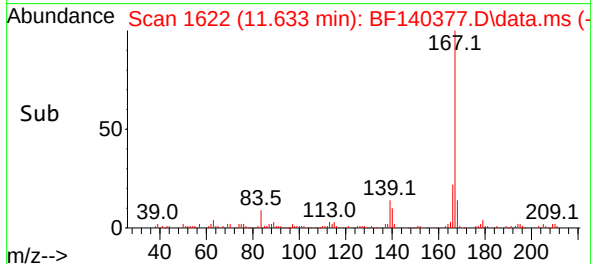
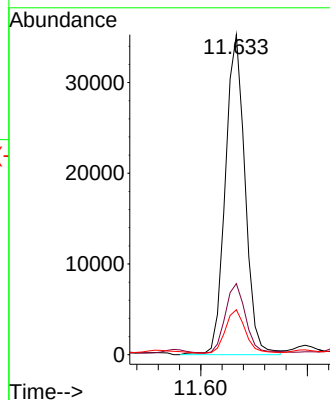
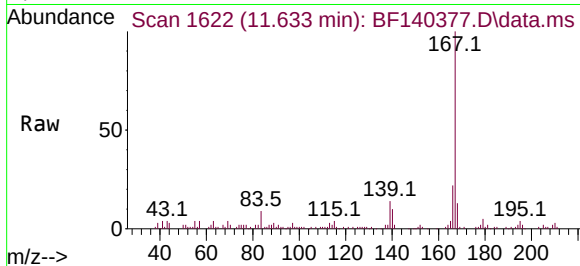




#73
Carbazole
Concen: 2.904 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.000 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

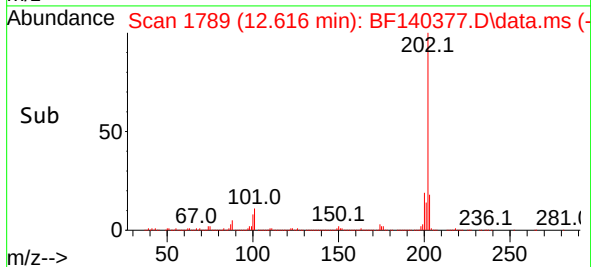
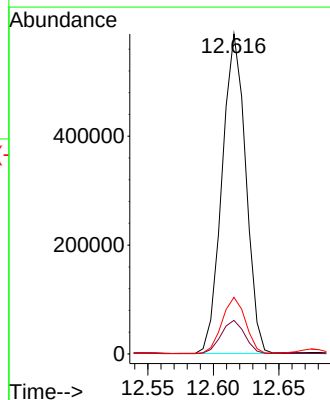
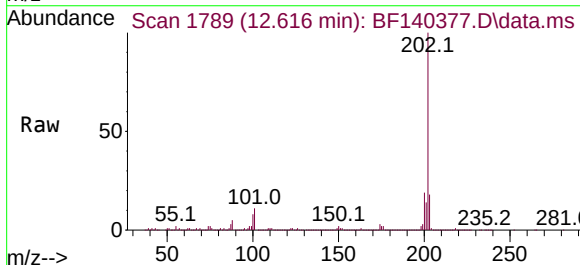
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

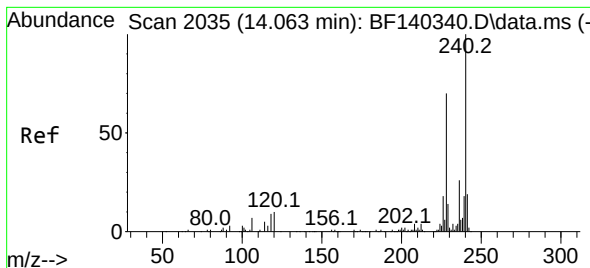
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.2	25.8
139	14.0	10.4	15.6



#75
Fluoranthene
Concen: 40.836 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.7
203	17.7	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

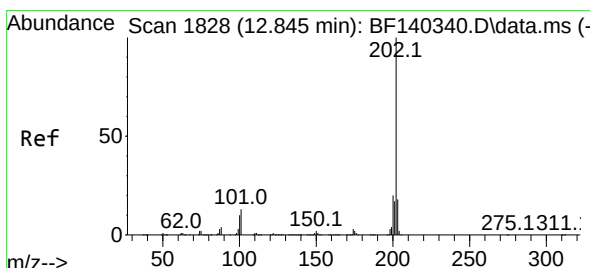
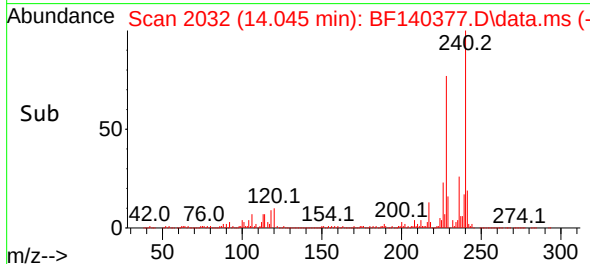
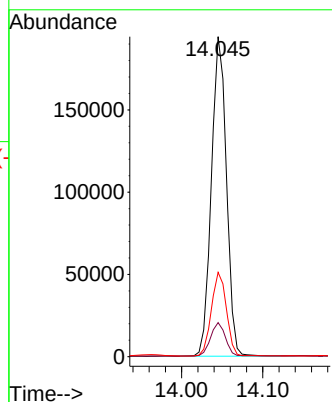
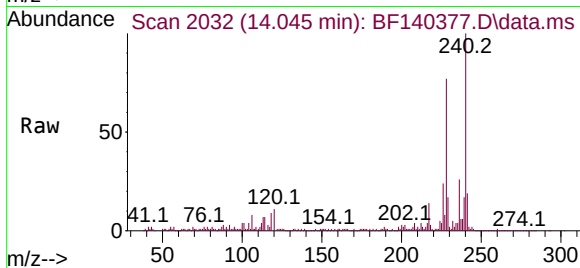
Tgt Ion:240 Resp: 249695

Ion Ratio Lower Upper

240 100

120 10.6 8.8 13.2

236 26.4 20.9 31.3



#78

Pyrene

Concen: 32.508 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

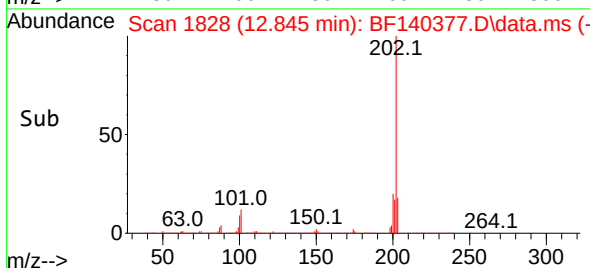
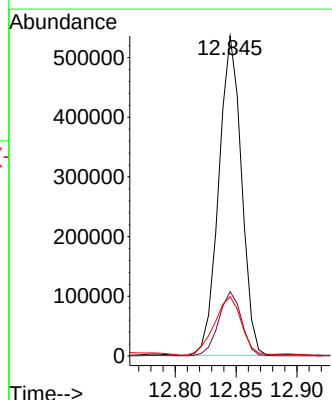
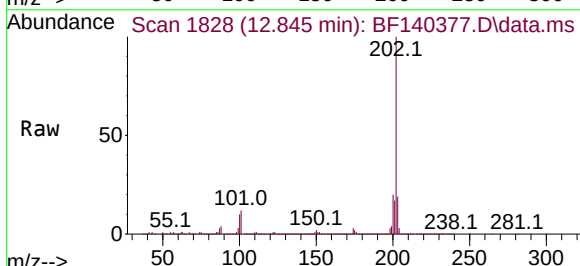
Tgt Ion:202 Resp: 694308

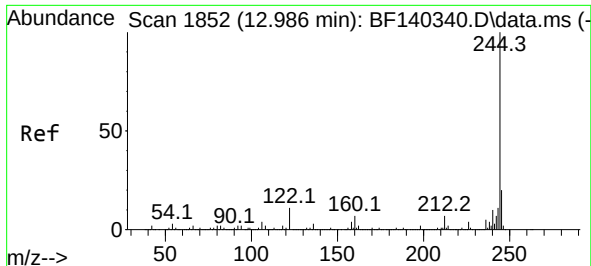
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 18.5 14.2 21.4

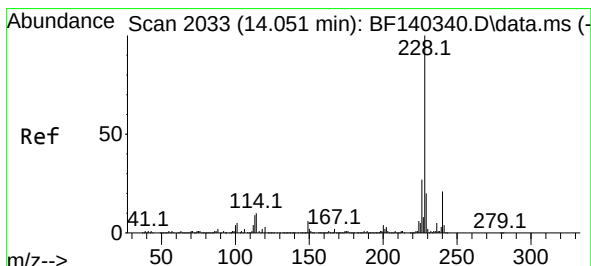
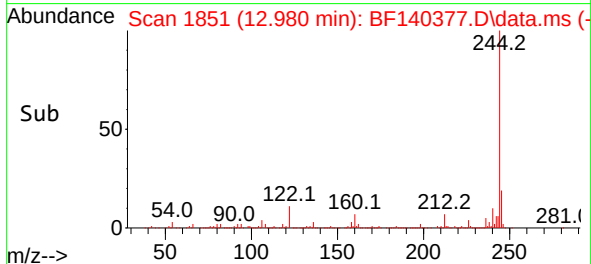
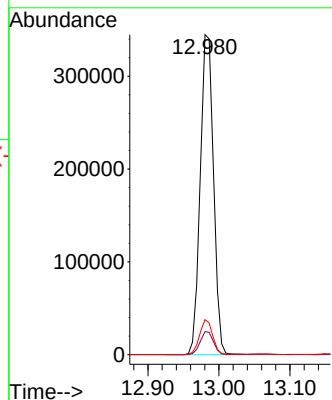
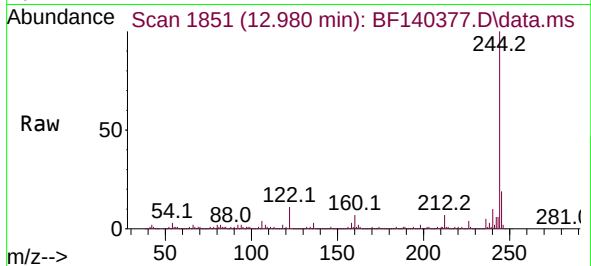




#79
 Terphenyl-d14
 Concen: 31.341 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF140377.D
 Acq: 14 Nov 2024 21:54

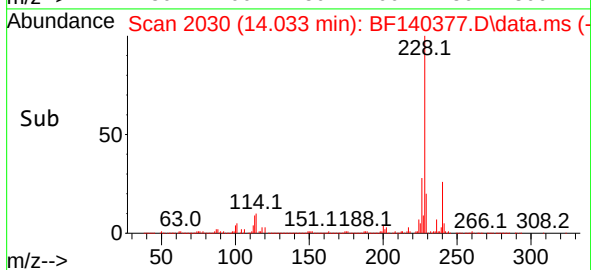
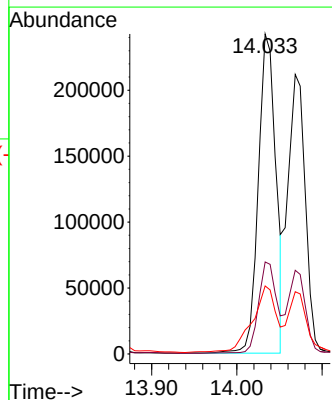
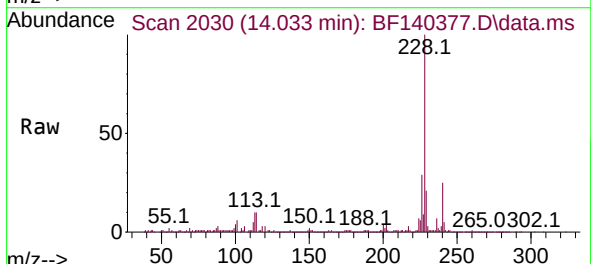
Instrument :
 BNA_F
 ClientSampleId :
 WC-2(0-6)DL

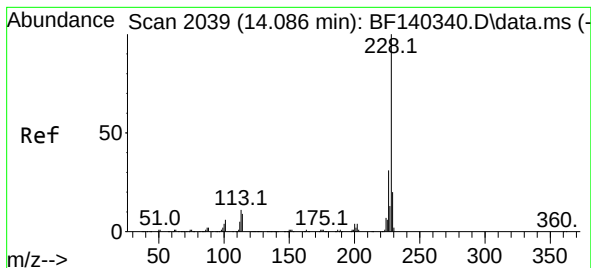
Tgt Ion:244 Resp: 450848
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.0 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 21.169 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140377.D
 Acq: 14 Nov 2024 21:54

Tgt Ion:228 Resp: 347397
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.2 33.4
 229 21.2 15.8 23.6





#83

Chrysene

Concen: 19.790 ng

RT: 14.068 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

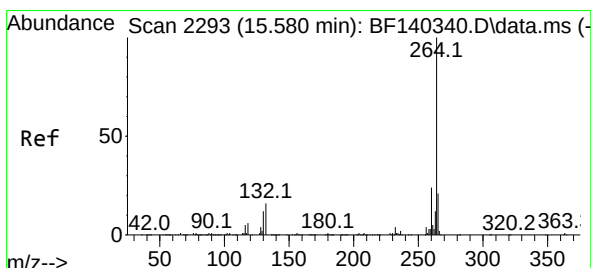
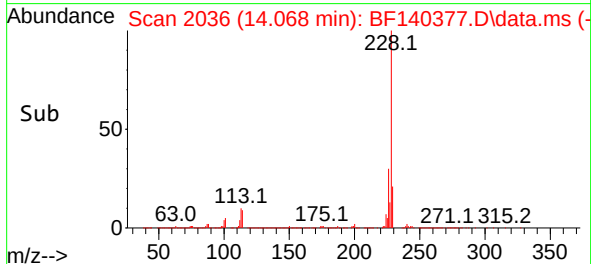
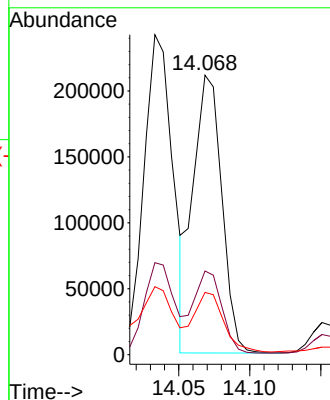
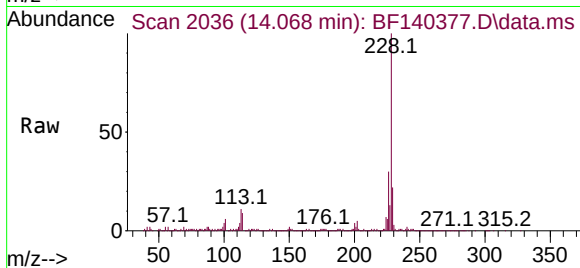
Tgt Ion:228 Resp: 296320

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 22.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.018 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

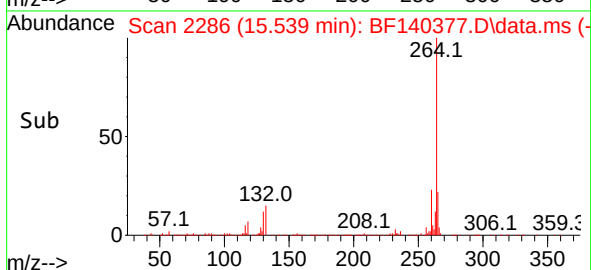
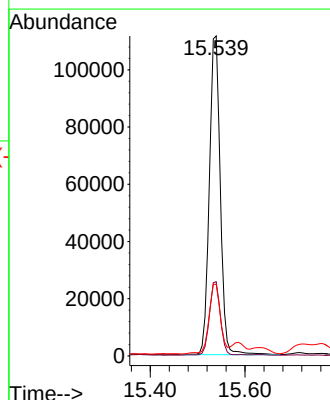
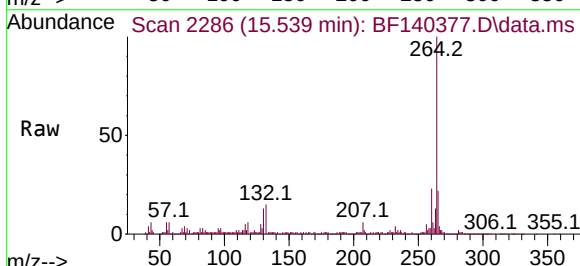
Tgt Ion:264 Resp: 178555

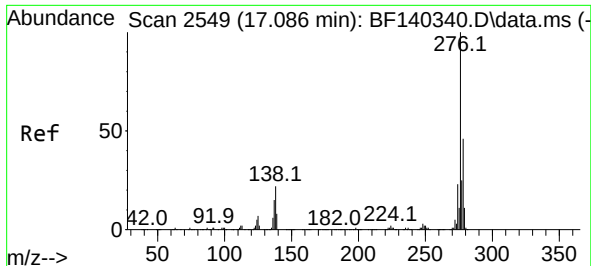
Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.4 17.1 25.7

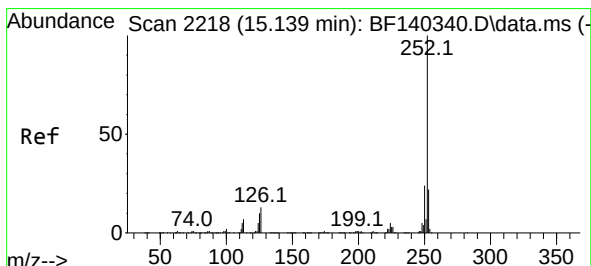
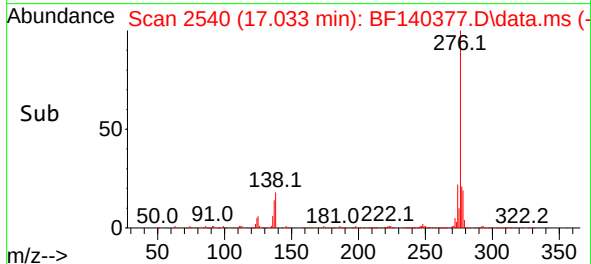
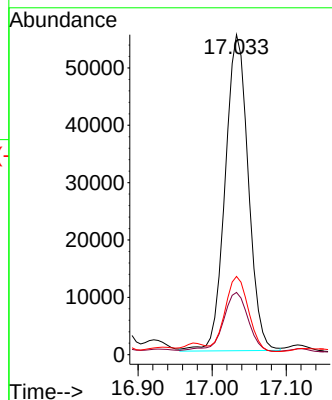
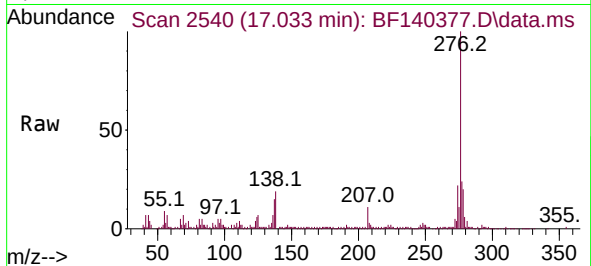




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.836 ng
RT: 17.033 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

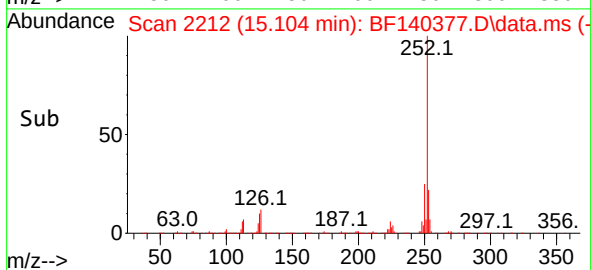
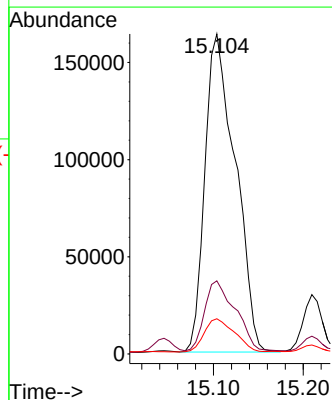
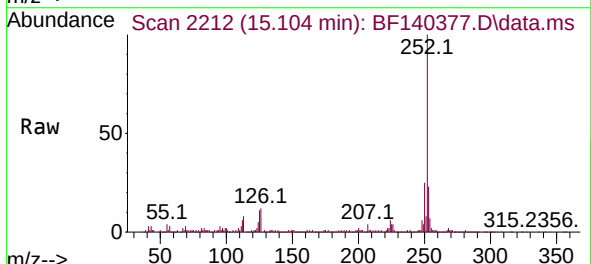
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

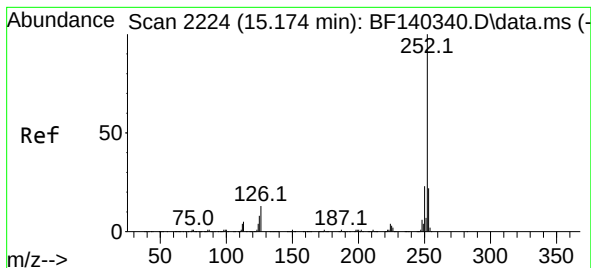
Tgt Ion:276 Resp: 119520
Ion Ratio Lower Upper
276 100
138 20.1 18.8 28.2
277 24.0 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 32.983 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion:252 Resp: 385254
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 40.375 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

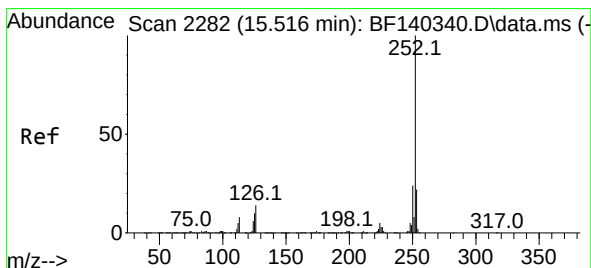
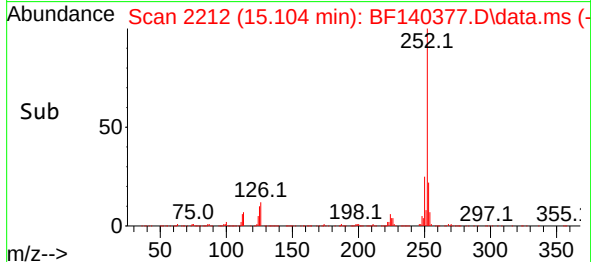
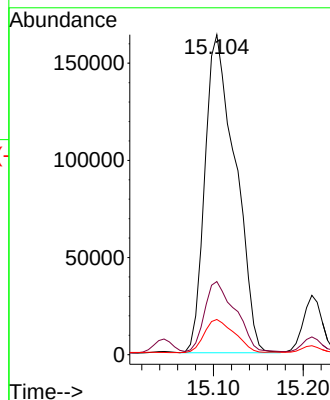
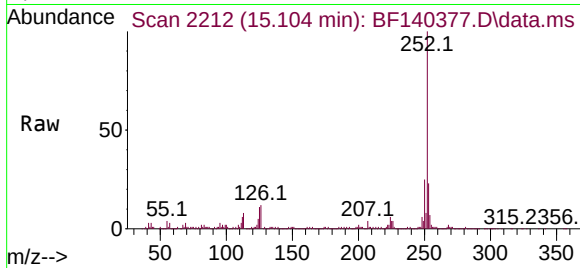
Tgt Ion:252 Resp: 385254

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 11.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 21.705 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.018 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

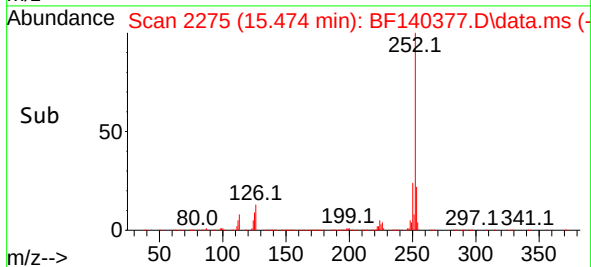
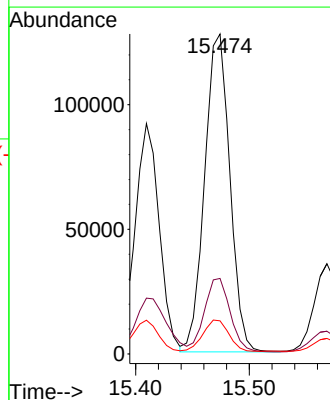
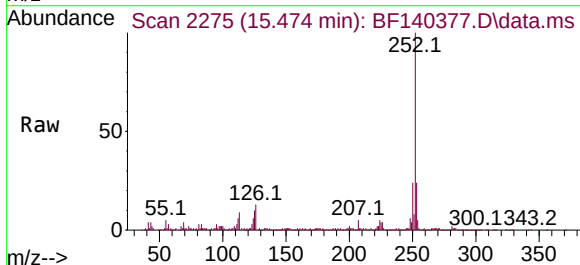
Tgt Ion:252 Resp: 196874

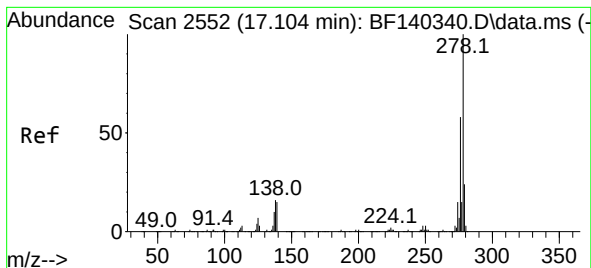
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 10.3 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 3.123 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

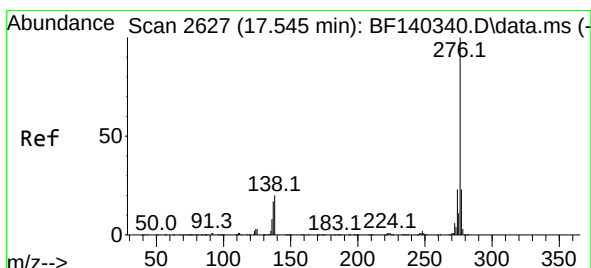
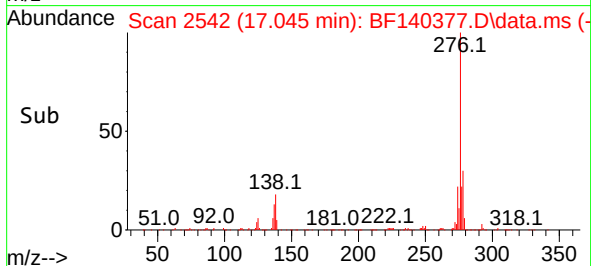
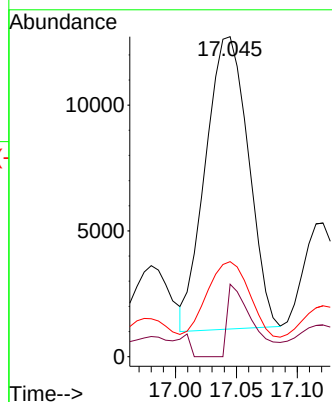
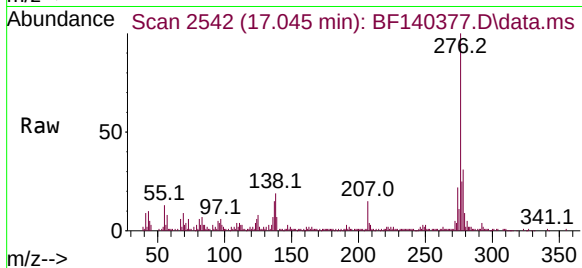
Tgt Ion:278 Resp: 28476

Ion Ratio Lower Upper

278 100

139 22.7 11.8 17.8#

279 29.7 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 12.890 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.024 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Tgt Ion:276 Resp: 120148

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 20.3 16.0 24.0

