

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140310.D
 Acq On : 08 Nov 2024 20:14
 Operator : RC/JU
 Sample : P4768-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6-2

Quant Time: Nov 08 21:49:02 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)

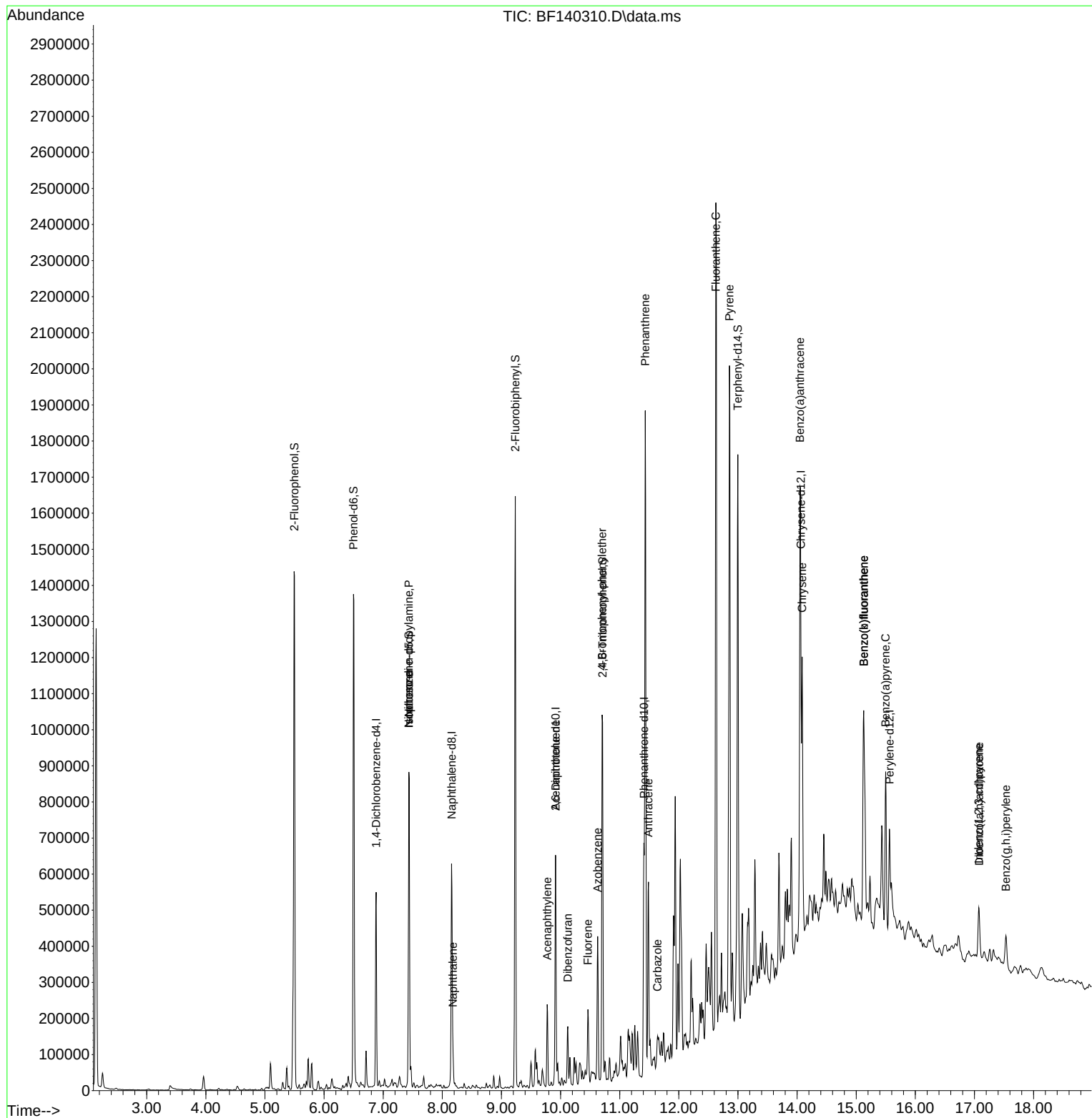
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	108852	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	376967	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	191196	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	335212	20.000	ng	0.00
76) Chrysene-d12	14.063	240	198806	20.000	ng	0.00
86) Perylene-d12	15.562	264	180647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	519160	79.039	ng	0.00
7) Phenol-d6	6.498	99	635694	75.243	ng	0.00
23) Nitrobenzene-d5	7.434	82	390584	51.514	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	152063	80.462	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	704288	58.820	ng	0.00
79) Terphenyl-d14	12.998	244	751380	61.912	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	55637	10.323	ng	# 76
25) Isophorone	7.434	82	386043	29.570	ng	# 67
31) Naphthalene	8.181	128	44670	2.295	ng	98
49) Acenaphthylene	9.775	152	127679	8.670	ng	98
51) 2,6-Dinitrotoluene	9.916	165	26809	9.686	ng	# 22
55) Dibenzofuran	10.122	168	60042	4.111	ng	# 94
58) Fluorene	10.463	166	77301	6.649	ng	# 97
63) Azobenzene	10.627	77	74332	6.128	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	9835	2.725	ng	# 1
71) Phenanthrene	11.433	178	978879	61.190	ng	99
72) Anthracene	11.486	178	304265	19.396	ng	98
73) Carbazole	11.639	167	42982	2.999	ng	98
75) Fluoranthene	12.627	202	1346105	80.472	ng	100
78) Pyrene	12.857	202	1086016	66.160	ng	98
81) Benzo(a)anthracene	14.051	228	582142	45.628	ng	95
83) Chrysene	14.086	228	411914	34.476	ng	96
87) Indeno(1,2,3-cd)pyrene	17.074	276	120151	11.331	ng	95
88) Benzo(b)fluoranthene	15.127	252	526356	48.170	ng	97
89) Benzo(k)fluoranthene	15.127	252	526356	52.496	ng	97
90) Benzo(a)pyrene	15.498	252	277704	30.825	ng	96
91) Dibenzo(a,h)anthracene	17.080	278	36020	4.129	ng	# 79
92) Benzo(g,h,i)perylene	17.533	276	95333	10.712	ng	97

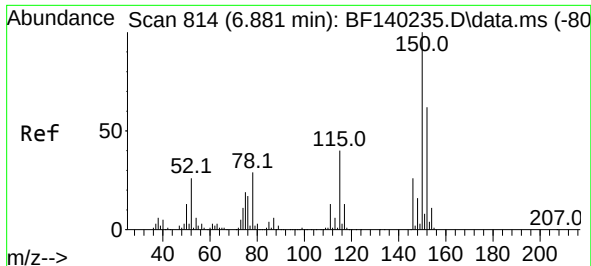
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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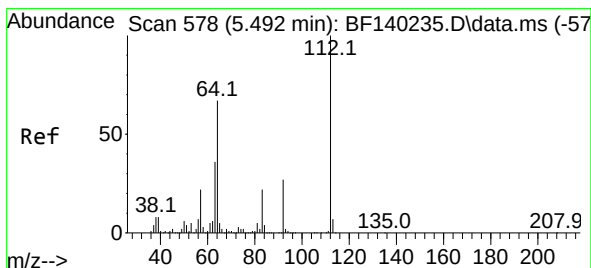
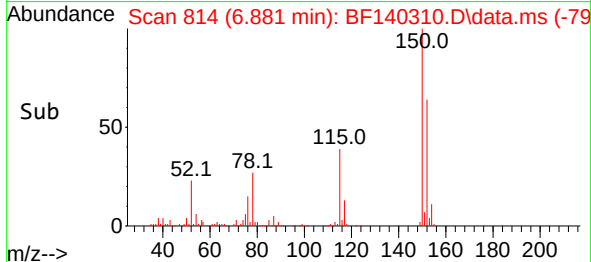
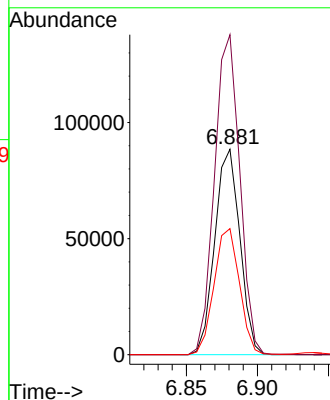
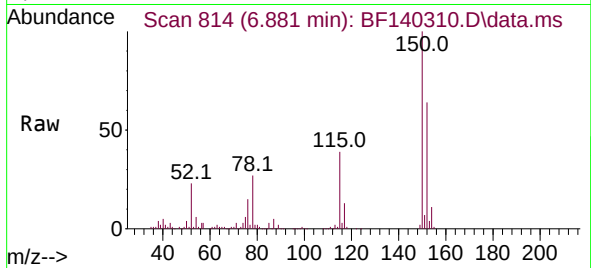




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

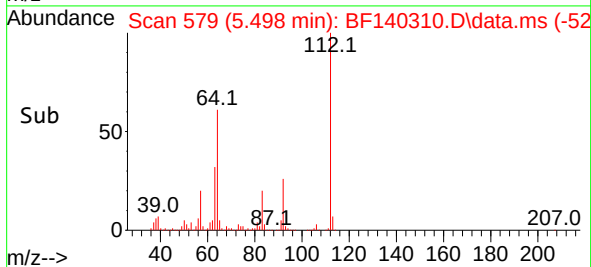
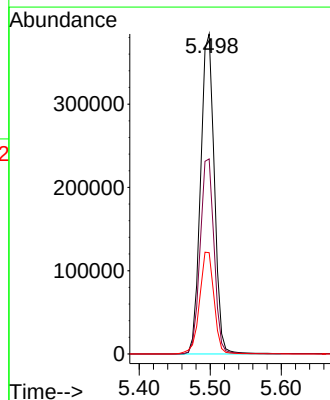
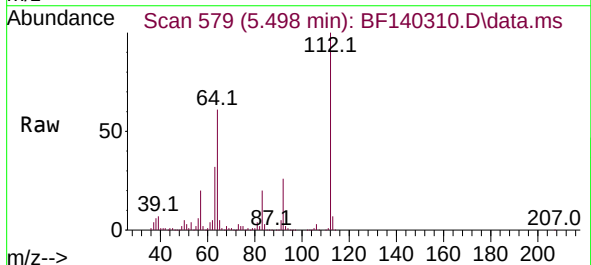
Instrument :
BNA_F
ClientSampleId :
B-6-2

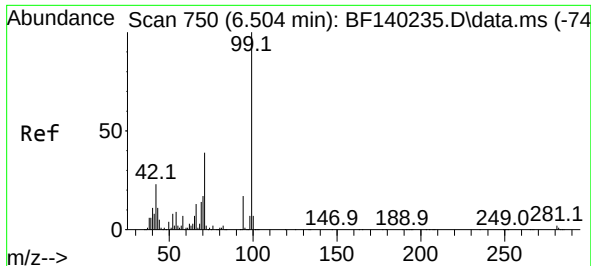
Tgt Ion:152 Resp: 108852
Ion Ratio Lower Upper
152 100
150 155.8 129.4 194.2
115 61.3 51.5 77.3



#5
2-Fluorophenol
Concen: 79.039 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:112 Resp: 519160
Ion Ratio Lower Upper
112 100
64 61.0 53.4 80.2
63 31.7 28.9 43.3

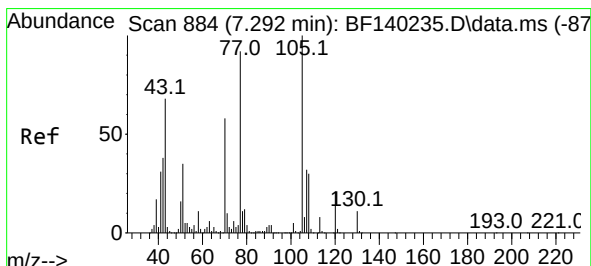
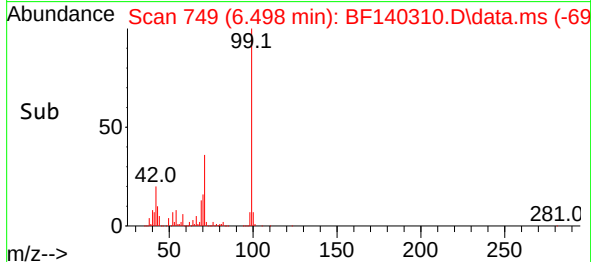
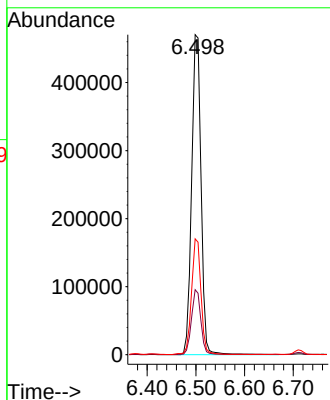
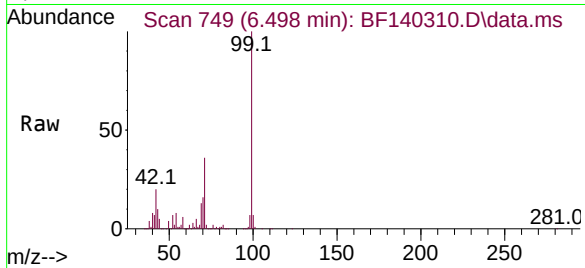




#7
Phenol-d6
Concen: 75.243 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

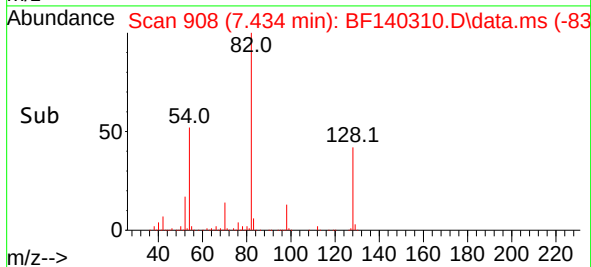
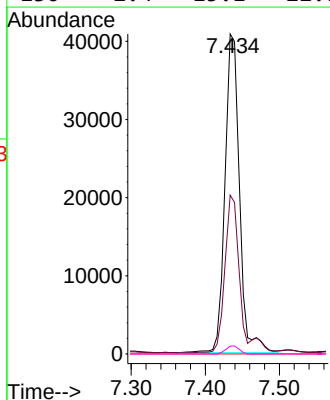
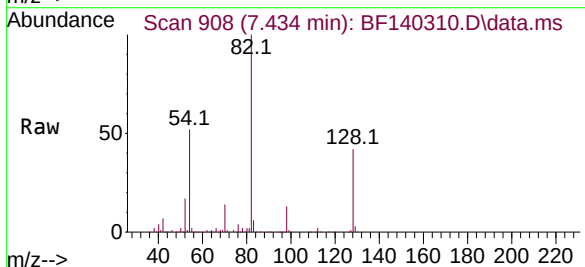
Instrument :
BNA_F
ClientSampleId :
B-6-2

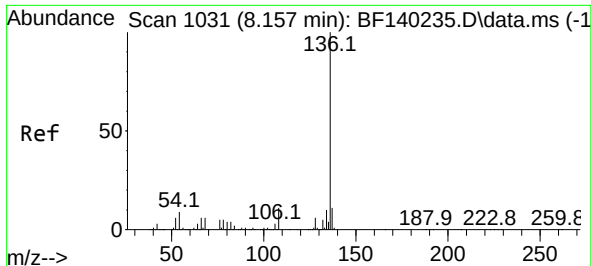
Tgt Ion: 99 Resp: 635694
Ion Ratio Lower Upper
99 100
42 20.3 18.2 27.2
71 36.2 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.323 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion: 70 Resp: 55637
Ion Ratio Lower Upper
70 100
42 49.7 52.8 79.2#
101 0.0 7.4 11.2#
130 2.4 15.1 22.7#



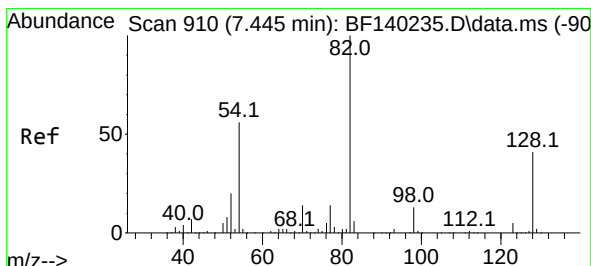
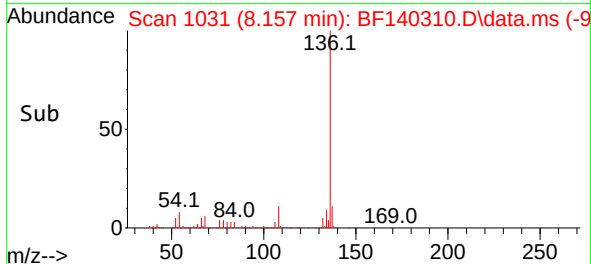
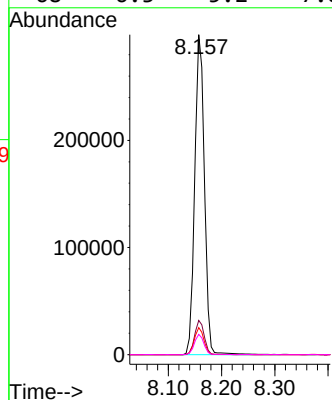
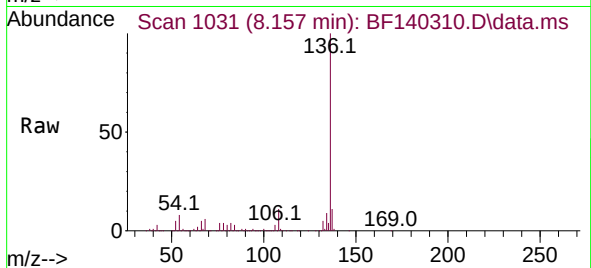


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Instrument :
BNA_F
ClientSampleId :
B-6-2

Tgt Ion:136 Resp: 376967

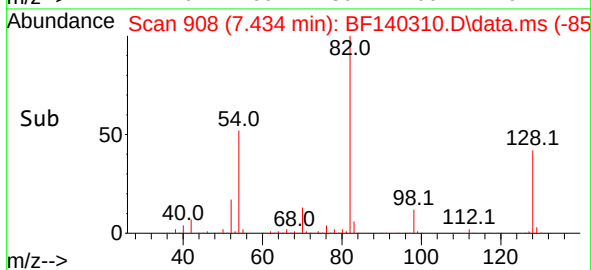
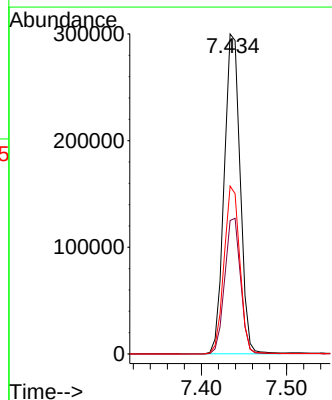
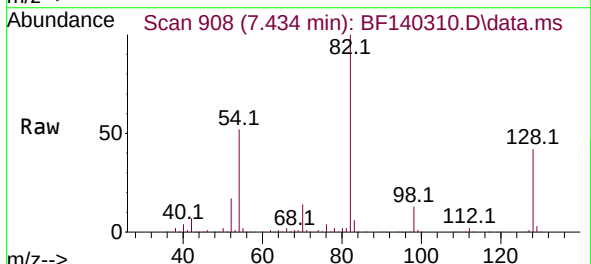
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	8.4	7.7	11.5
68	6.3	5.2	7.8

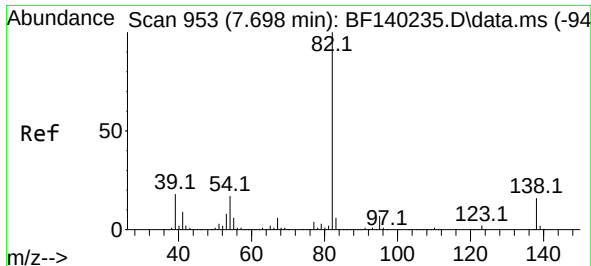


#23
Nitrobenzene-d5
Concen: 51.514 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion: 82 Resp: 390584

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.8	49.2
54	52.5	44.3	66.5

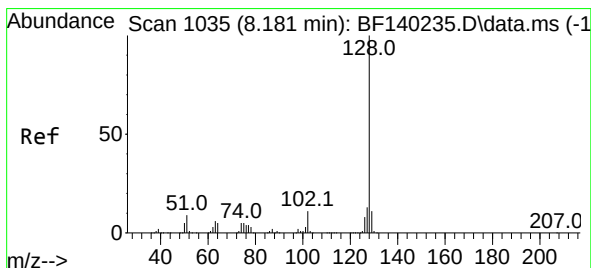
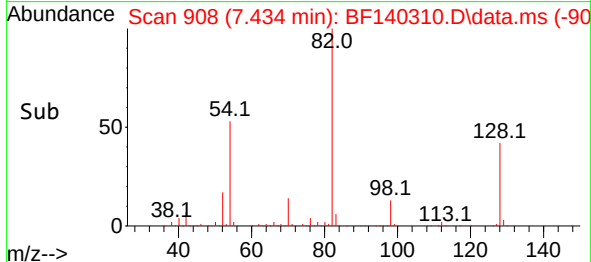
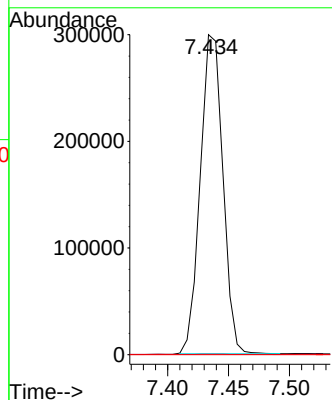
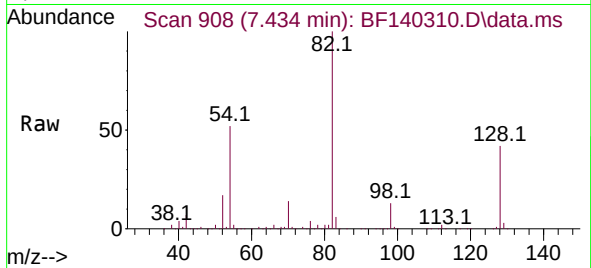




#25
Isophorone
Concen: 29.570 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

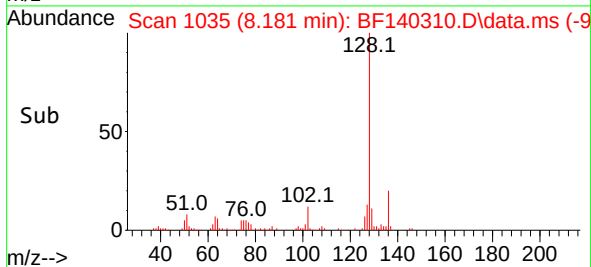
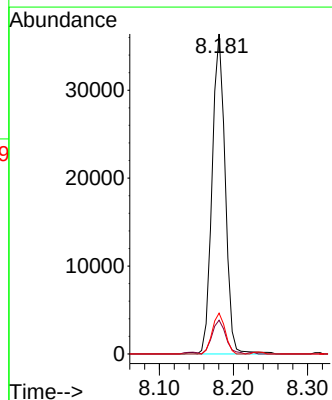
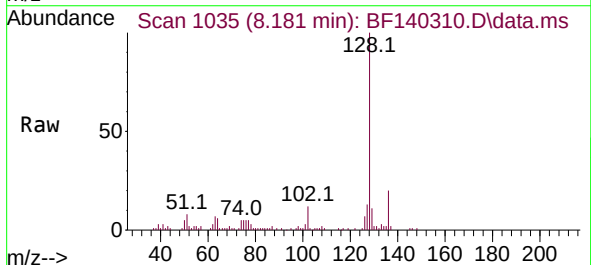
Instrument :
BNA_F
ClientSampleId :
B-6-2

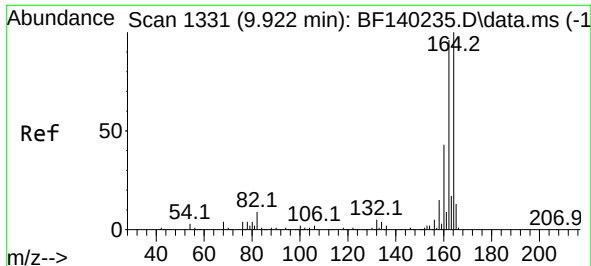
Tgt Ion: 82 Resp: 386043
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 12.9 19.3#



#31
Naphthalene
Concen: 2.295 ng
RT: 8.181 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion: 128 Resp: 44670
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 12.8 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

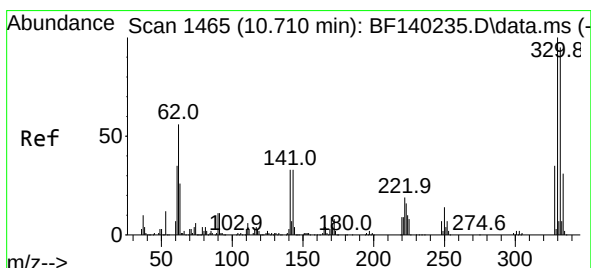
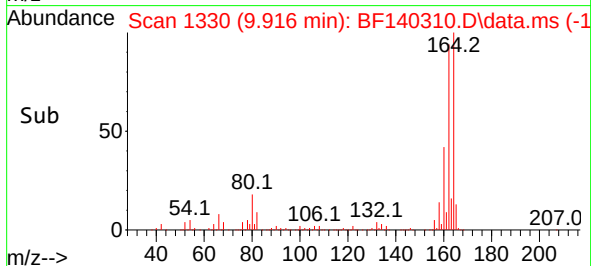
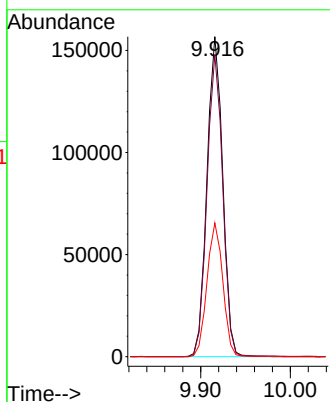
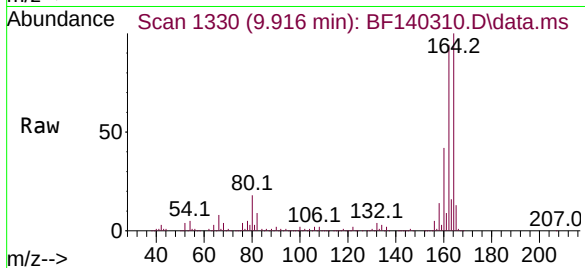
Tgt Ion:164 Resp: 191196

Ion Ratio Lower Upper

164 100

162 94.4 77.0 115.4

160 41.8 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 80.462 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

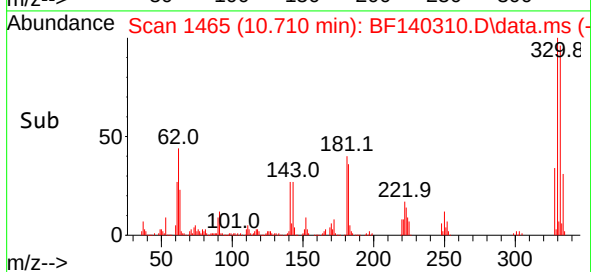
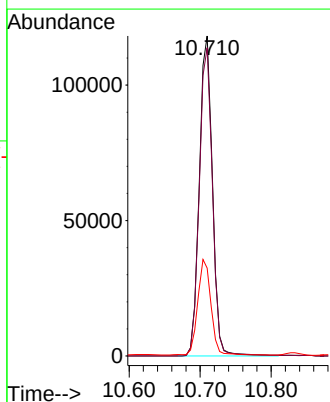
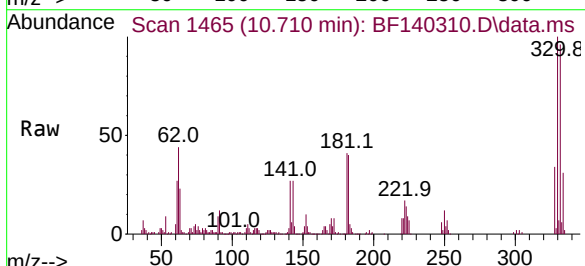
Tgt Ion:330 Resp: 152063

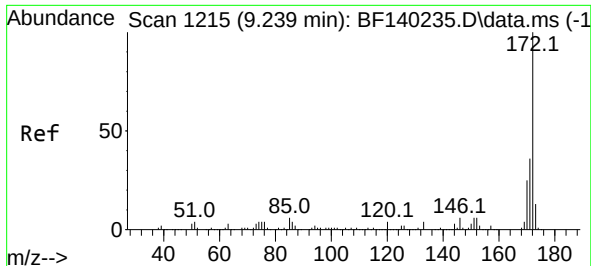
Ion Ratio Lower Upper

330 100

332 97.0 76.4 114.6

141 30.1 27.0 40.4

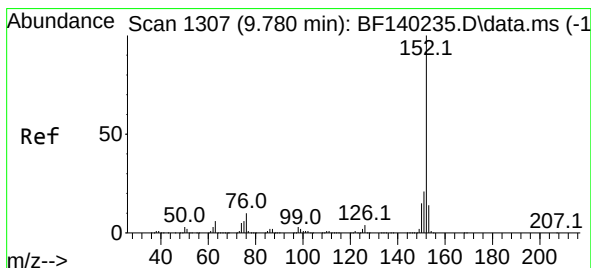
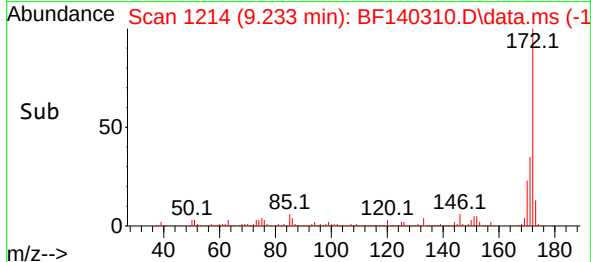
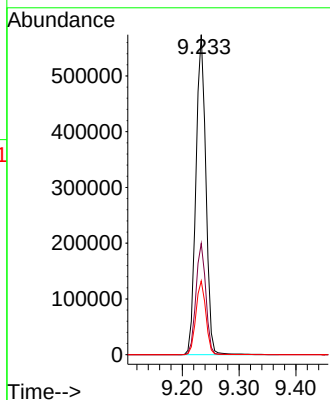
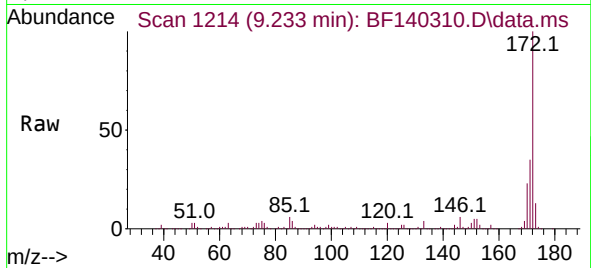




#45
2-Fluorobiphenyl
Concen: 58.820 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

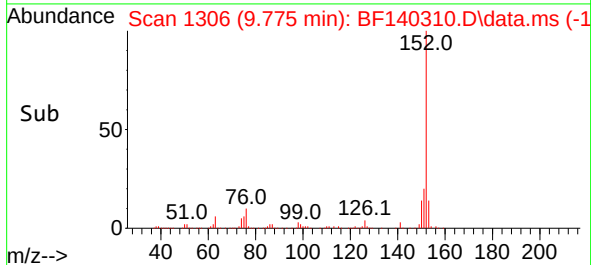
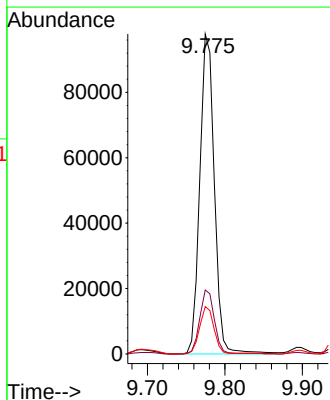
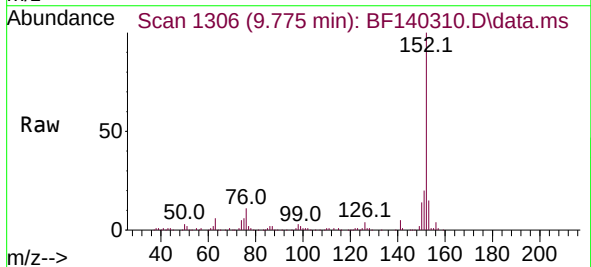
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B-6-2

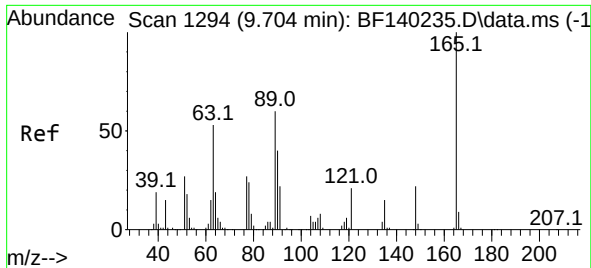
Tgt Ion:172 Resp: 704288
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.1 19.6 29.4



#49
Acenaphthylene
Concen: 8.670 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:152 Resp: 127679
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 14.8 11.1 16.7

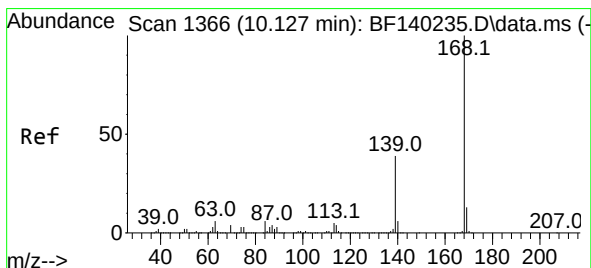
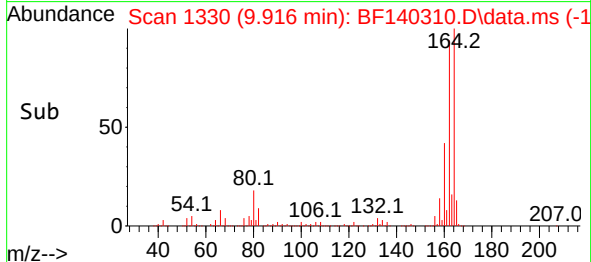
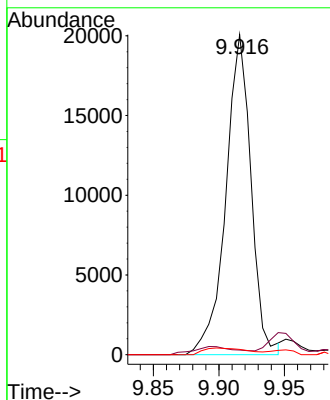
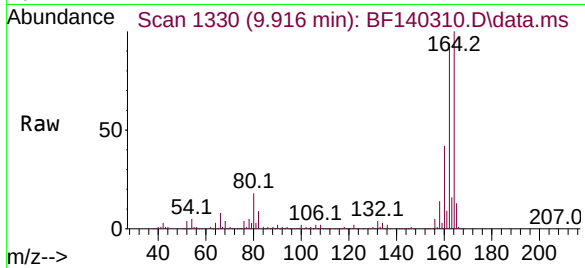




#51
2,6-Dinitrotoluene
Concen: 9.686 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

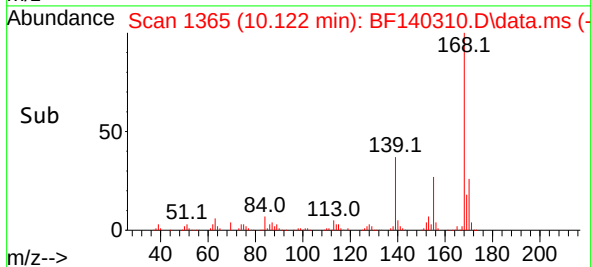
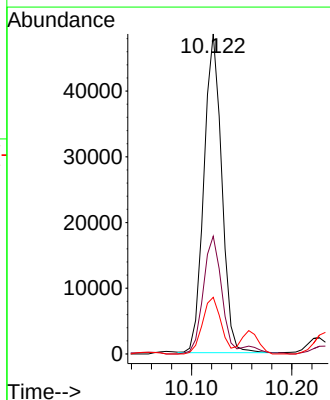
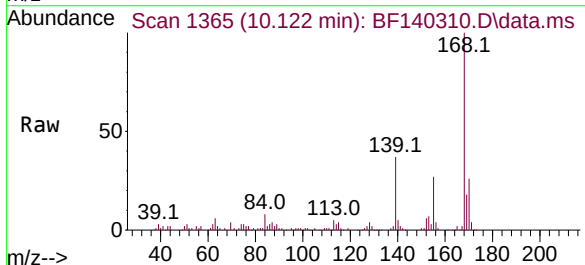
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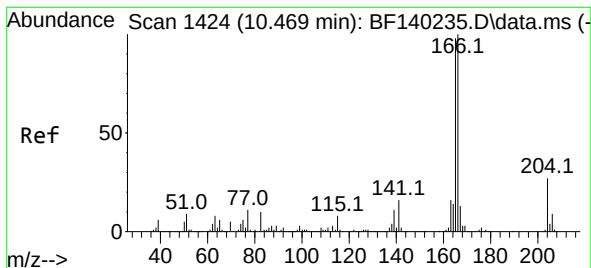
Tgt Ion:165 Resp: 26809
Ion Ratio Lower Upper
165 100
63 1.4 48.8 73.2#
89 1.7 48.1 72.1#



#55
Dibenzofuran
Concen: 4.111 ng
RT: 10.122 min Scan# 1365
Delta R.T. -0.005 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:168 Resp: 60042
Ion Ratio Lower Upper
168 100
139 36.8 31.5 47.3
169 17.7 10.6 15.8#





#58

Fluorene

Concen: 6.649 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

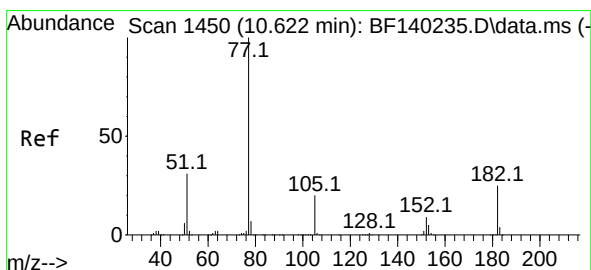
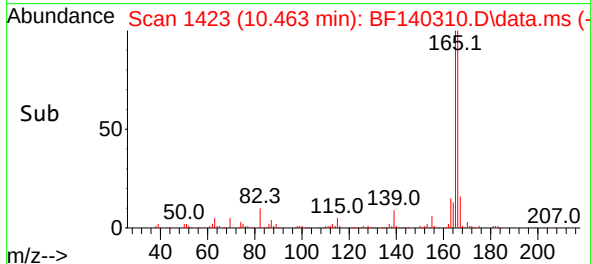
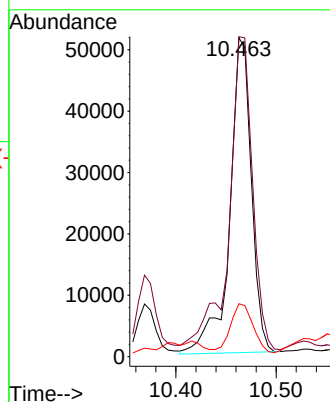
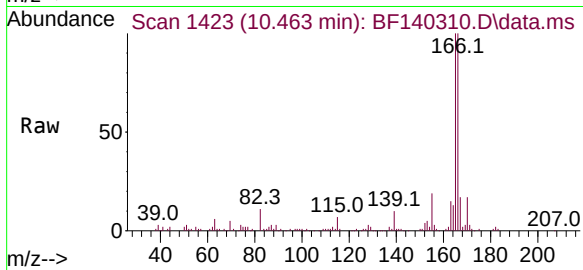
Tgt Ion:166 Resp: 77301

Ion Ratio Lower Upper

166 100

165 100.4 78.7 118.1

167 16.6 10.8 16.2#



#63

Azobenzene

Concen: 6.128 ng

RT: 10.627 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Tgt Ion: 77 Resp: 74332

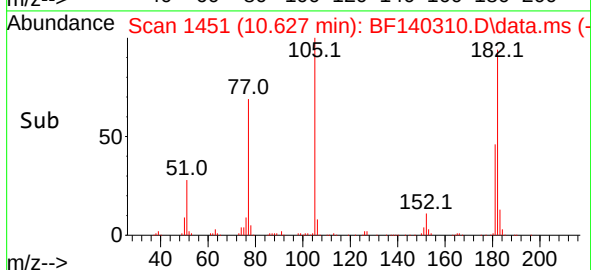
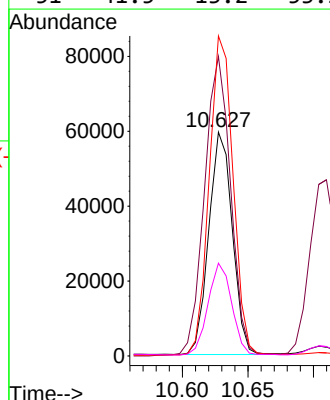
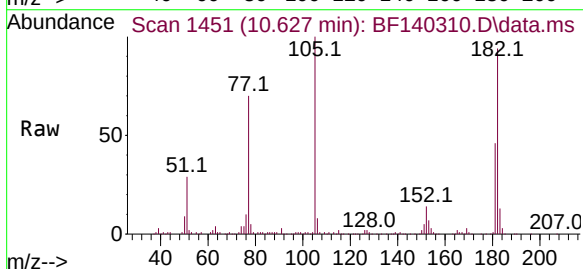
Ion Ratio Lower Upper

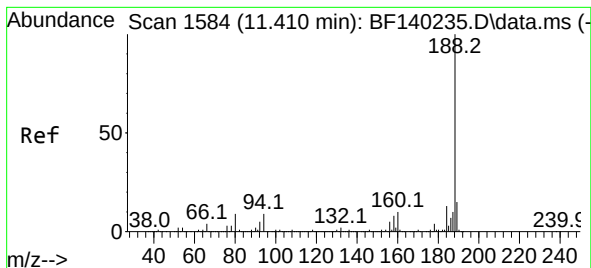
77 100

182 133.8 4.7 44.7#

105 143.0 0.0 40.0#

51 41.5 13.2 53.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

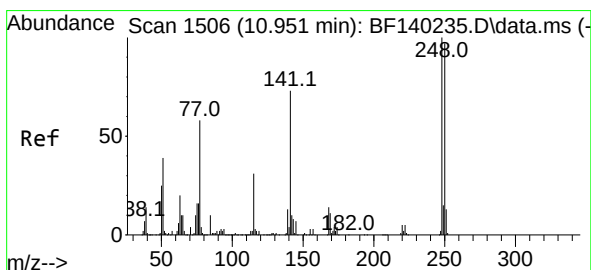
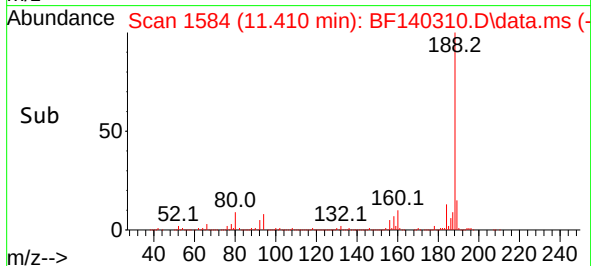
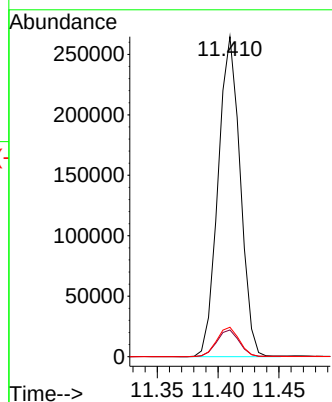
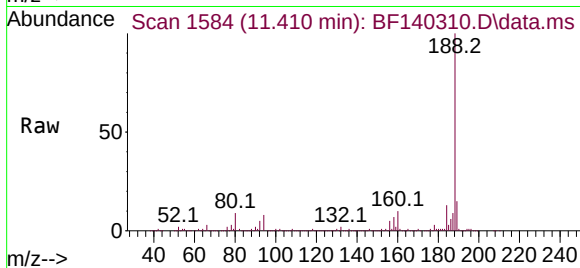
Tgt Ion:188 Resp: 335212

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

80 9.2 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.725 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.247 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

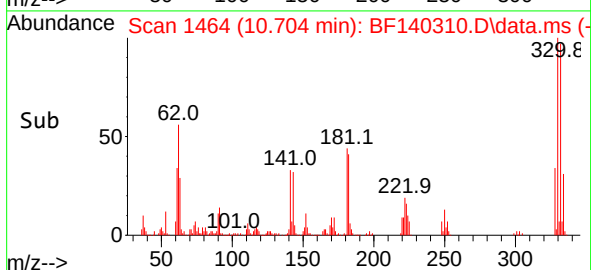
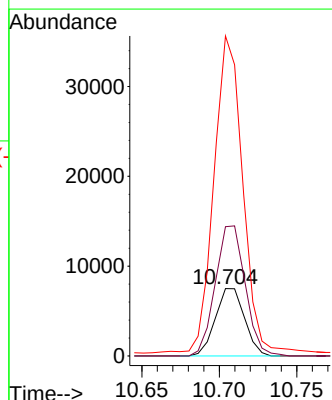
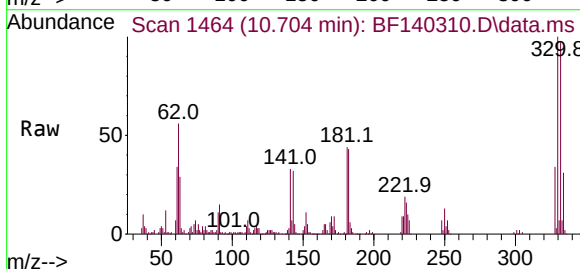
Tgt Ion:248 Resp: 9835

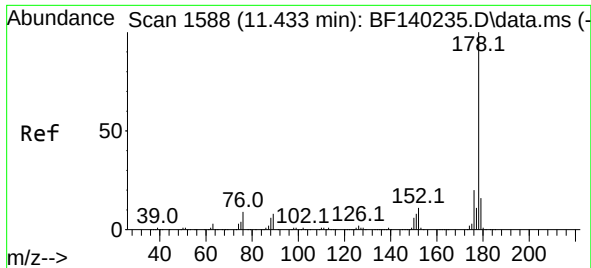
Ion Ratio Lower Upper

248 100

250 191.6 77.9 116.9#

141 474.6 58.6 88.0#

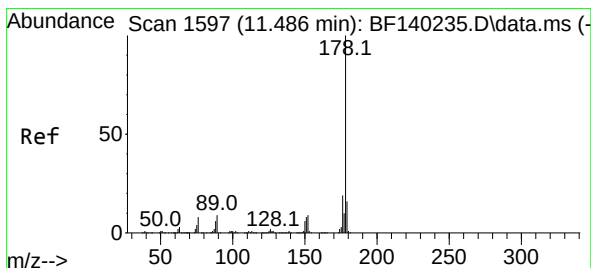
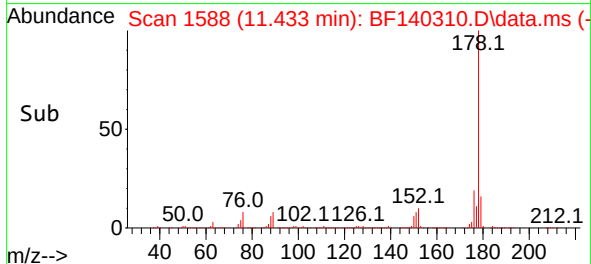
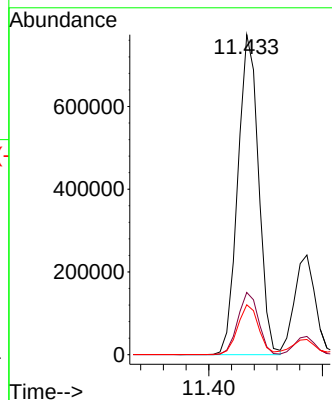
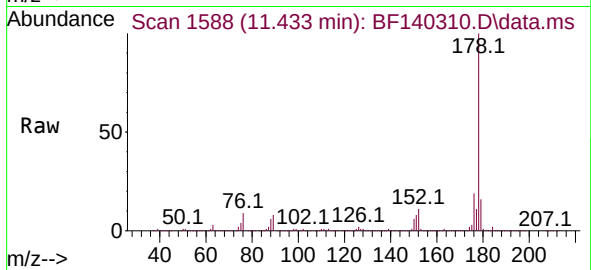




#71
Phenanthrene
Concen: 61.190 ng
RT: 11.433 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

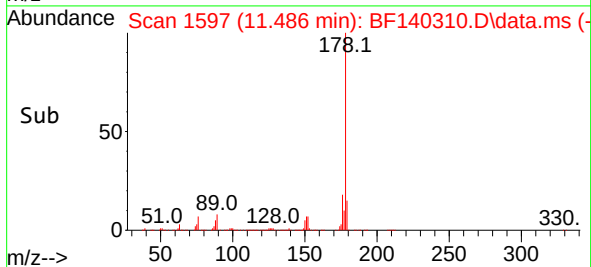
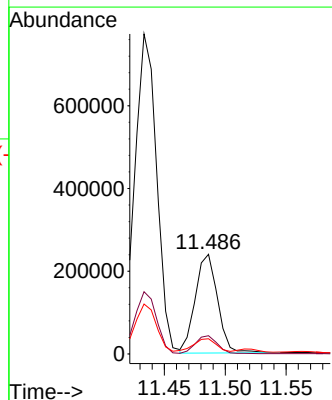
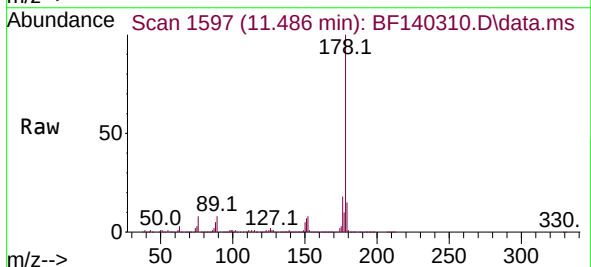
Instrument :
BNA_F
ClientSampleId :
B-6-2

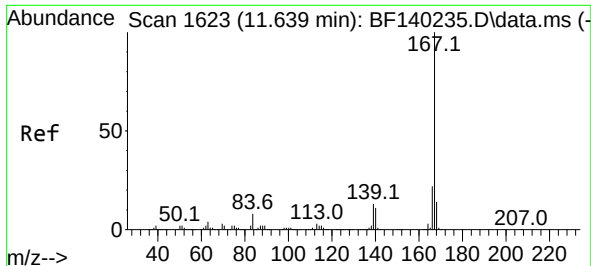
Tgt Ion:178 Resp: 978879
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.6 12.6 18.8



#72
Anthracene
Concen: 19.396 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:178 Resp: 304265
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.3 12.7 19.1

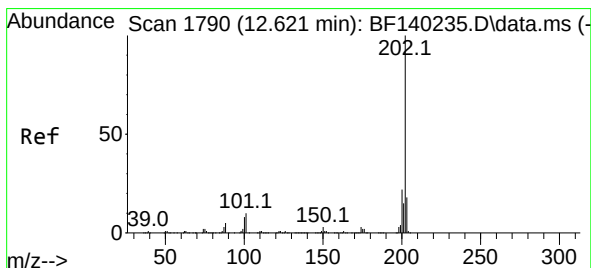
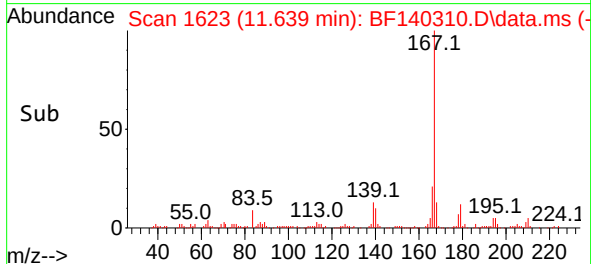
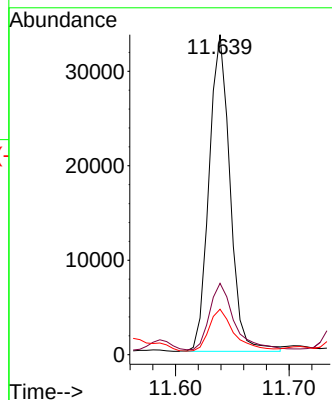
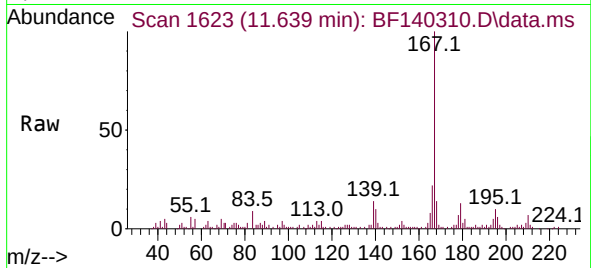




#73
 Carbazole
 Concen: 2.999 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. 0.000 min
 Lab File: BF140310.D
 Acq: 08 Nov 2024 20:14

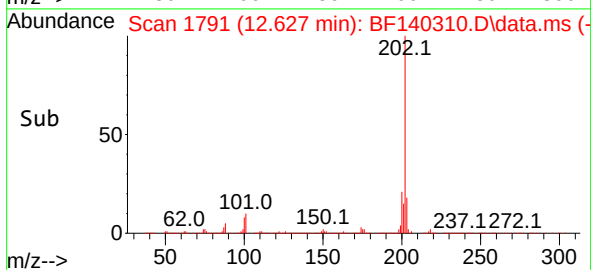
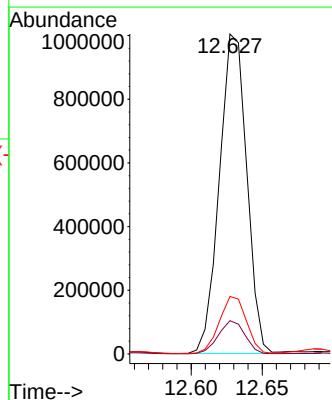
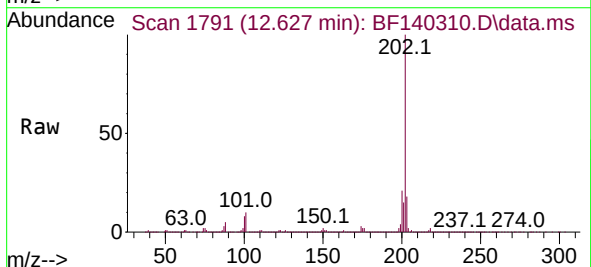
Instrument :
 BNA_F
 ClientSampleId :
 B-6-2

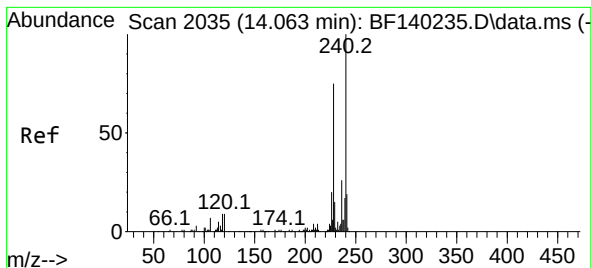
Tgt Ion:167 Resp: 42982
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.3 25.9
 139 14.2 10.7 16.1



#75
 Fluoranthene
 Concen: 80.472 ng
 RT: 12.627 min Scan# 1791
 Delta R.T. 0.006 min
 Lab File: BF140310.D
 Acq: 08 Nov 2024 20:14

Tgt Ion:202 Resp: 1346105
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.4
 203 18.0 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

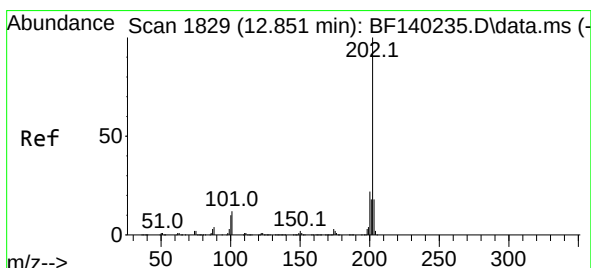
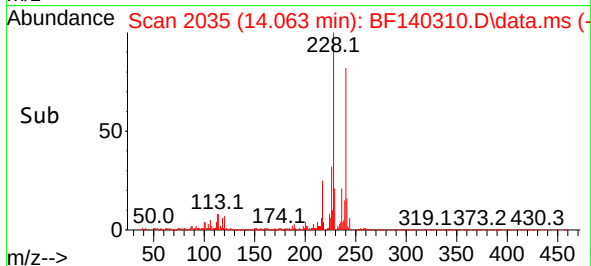
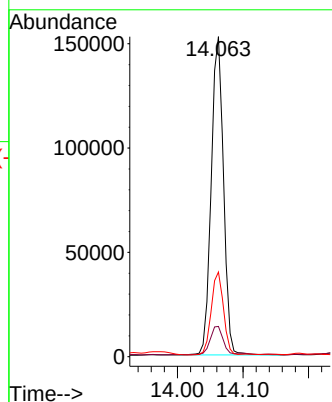
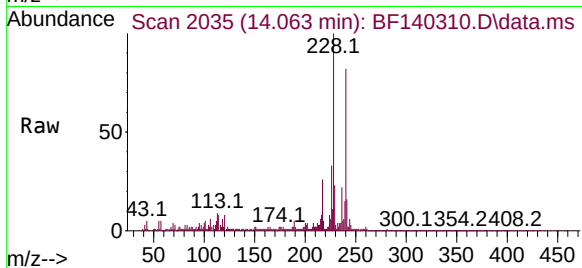
Tgt Ion:240 Resp: 198806

Ion Ratio Lower Upper

240 100

120 9.5 7.5 11.3

236 26.4 20.9 31.3



#78

Pyrene

Concen: 66.160 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

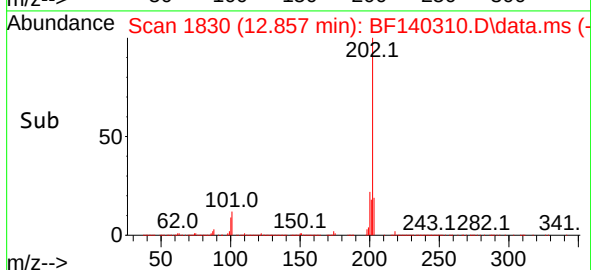
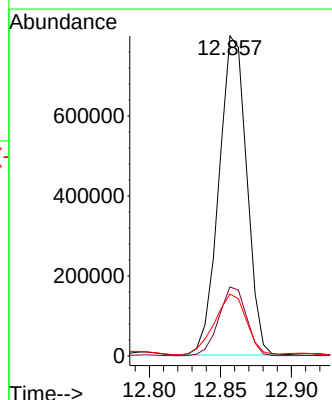
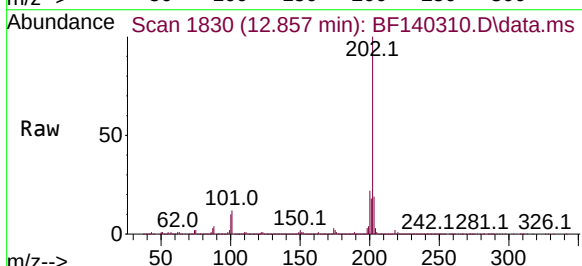
Tgt Ion:202 Resp: 1086016

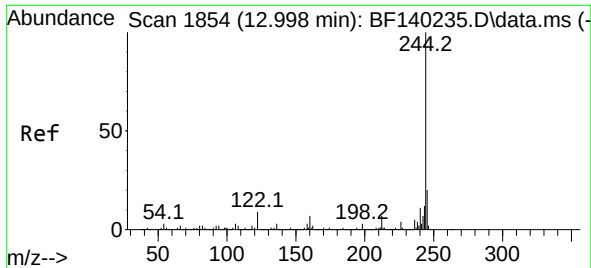
Ion Ratio Lower Upper

202 100

200 21.6 17.5 26.3

203 19.4 14.4 21.6

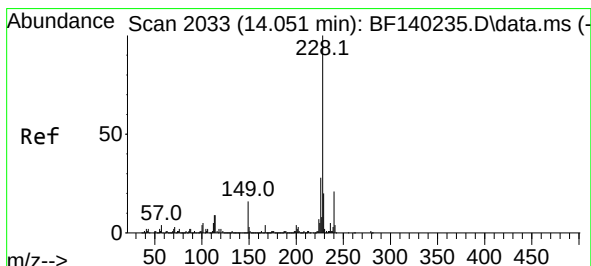
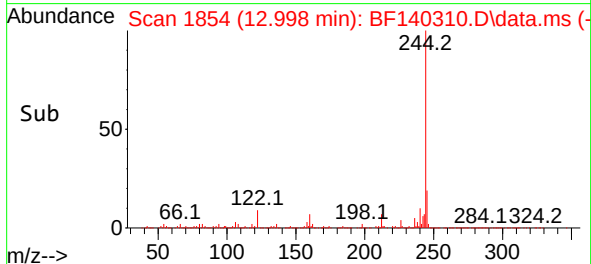
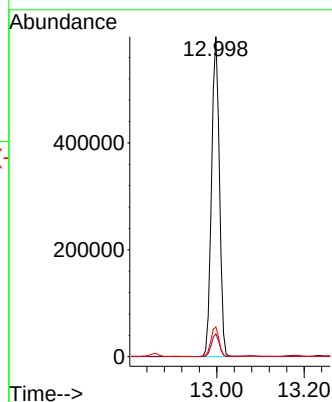
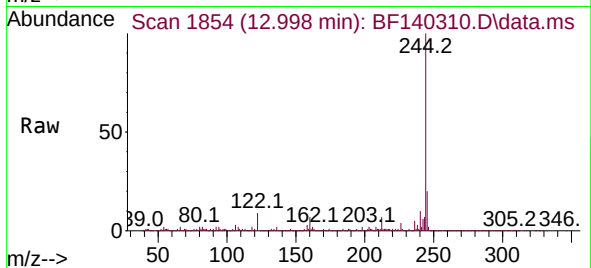




#79
 Terphenyl-d14
 Concen: 61.912 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF140310.D
 Acq: 08 Nov 2024 20:14

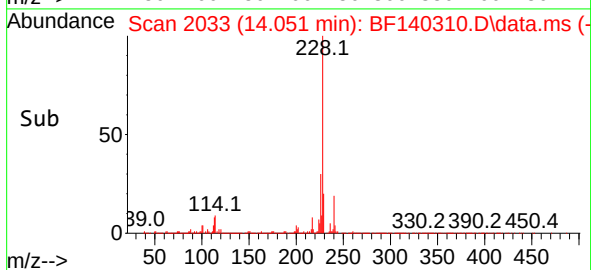
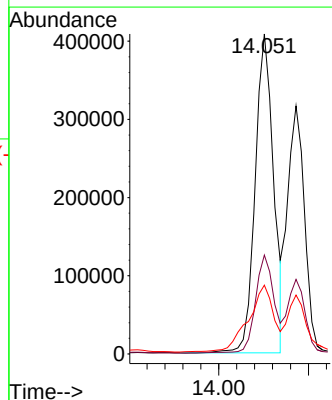
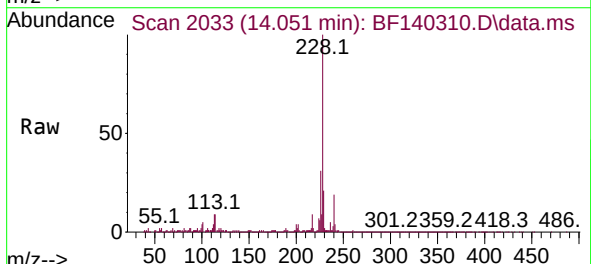
Instrument :
 BNA_F
 ClientSampleId :
 B-6-2

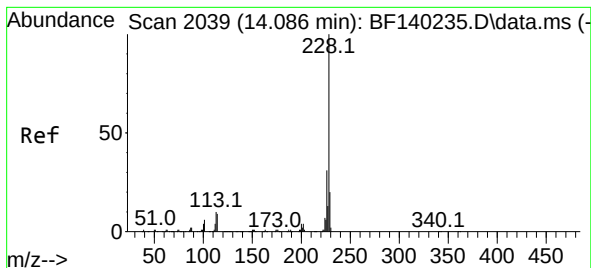
Tgt Ion:244 Resp: 751380
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.3 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 45.628 ng
 RT: 14.051 min Scan# 2033
 Delta R.T. 0.000 min
 Lab File: BF140310.D
 Acq: 08 Nov 2024 20:14

Tgt Ion:228 Resp: 582142
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.3 33.5
 229 21.5 16.1 24.1





#83

Chrysene

Concen: 34.476 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

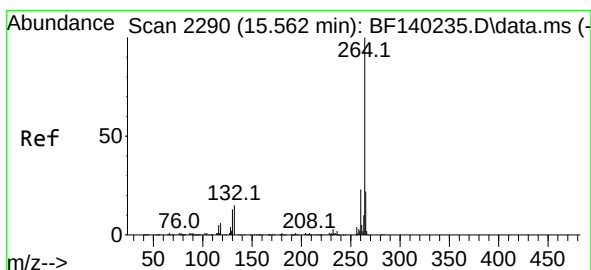
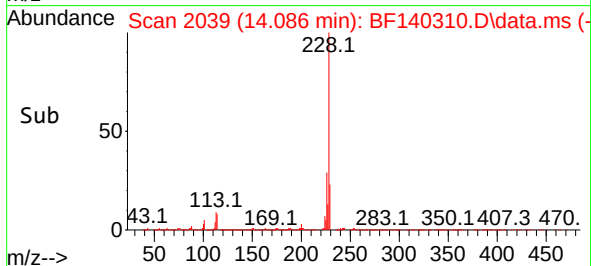
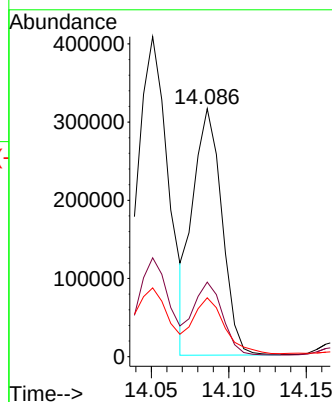
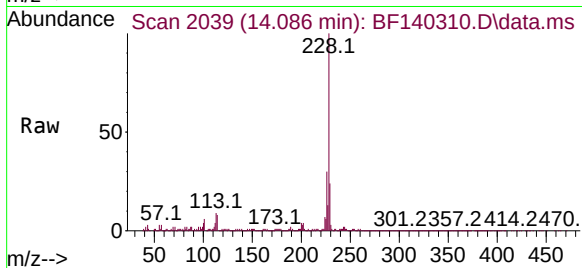
Tgt Ion:228 Resp: 411914

Ion Ratio Lower Upper

228 100

226 30.1 24.6 36.8

229 23.7 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2290

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

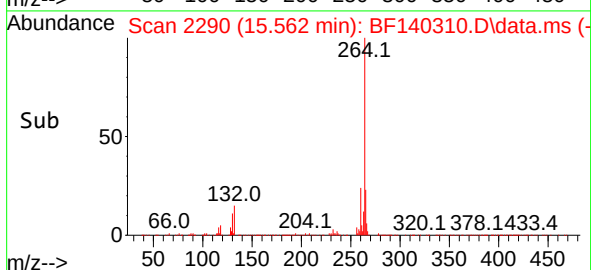
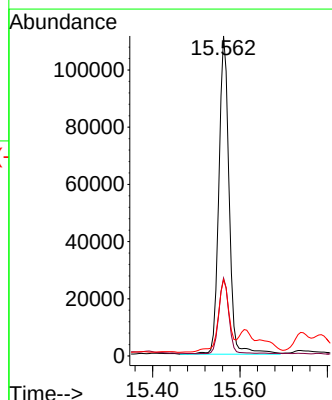
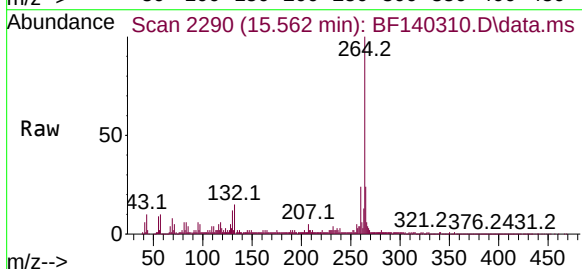
Tgt Ion:264 Resp: 180647

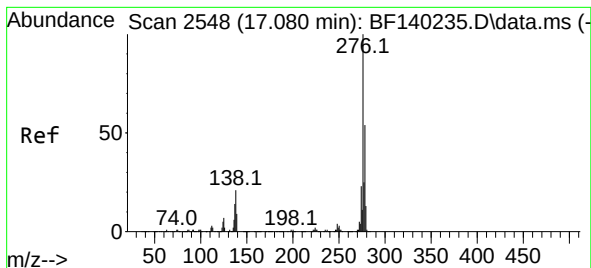
Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 23.9 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.331 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

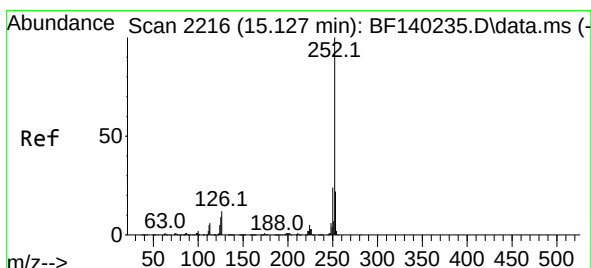
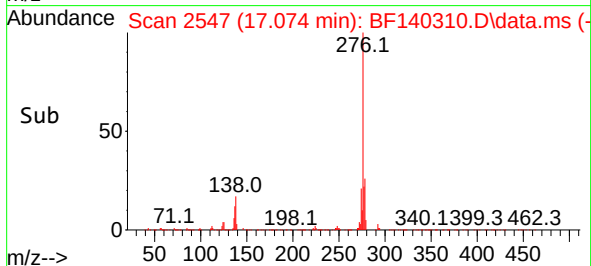
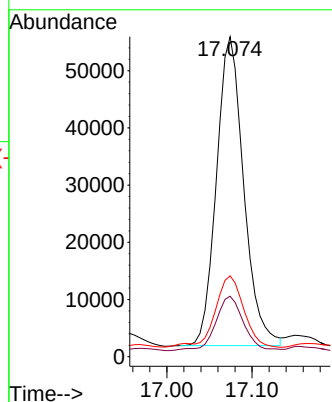
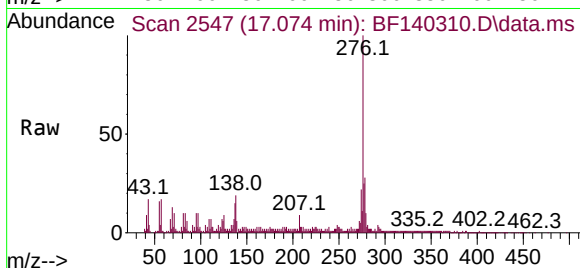
Tgt Ion:276 Resp: 120151

Ion Ratio Lower Upper

276 100

138 17.9 17.6 26.4

277 24.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 48.170 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

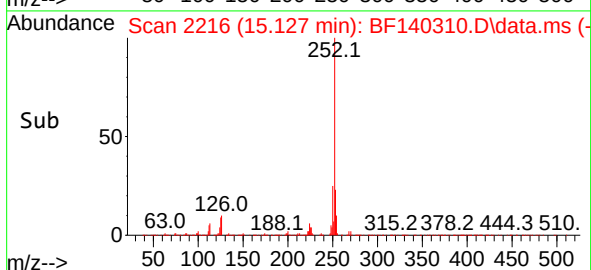
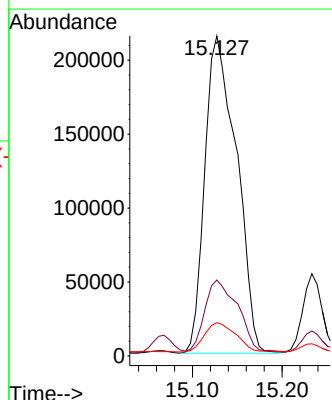
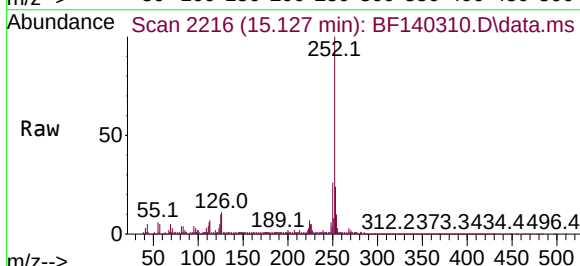
Tgt Ion:252 Resp: 526356

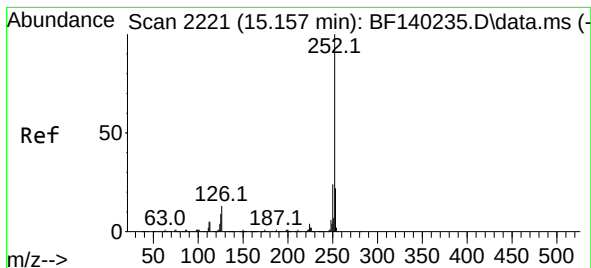
Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

125 10.4 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 52.496 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

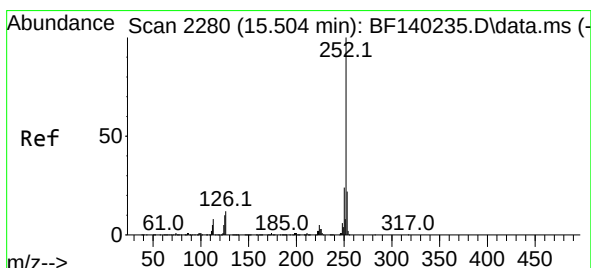
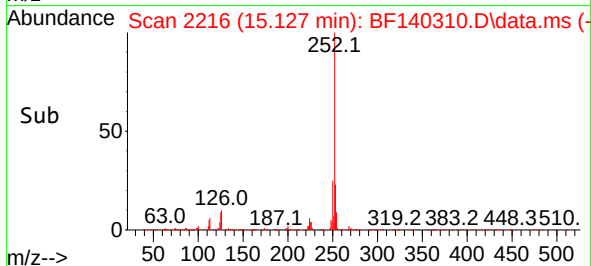
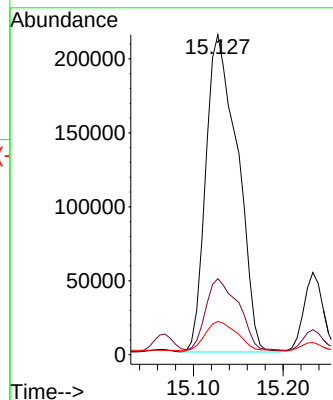
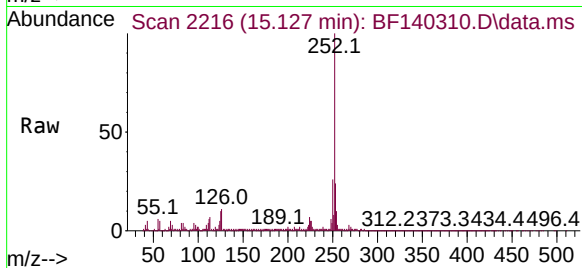
Tgt Ion:252 Resp: 526356

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 10.4 7.2 10.8



#90

Benzo(a)pyrene

Concen: 30.825 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

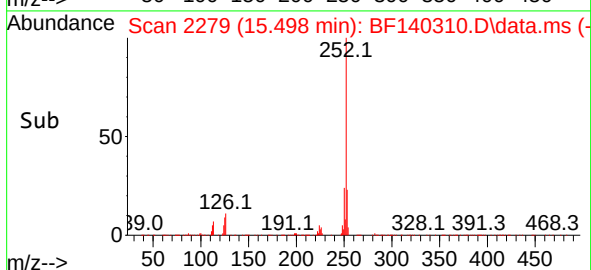
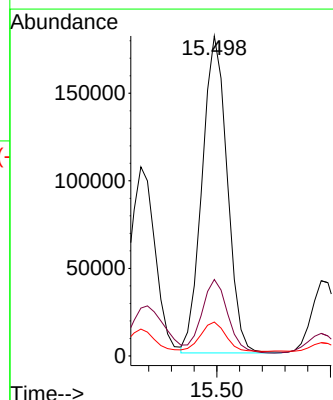
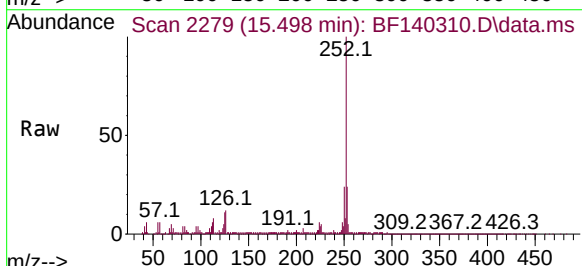
Tgt Ion:252 Resp: 277704

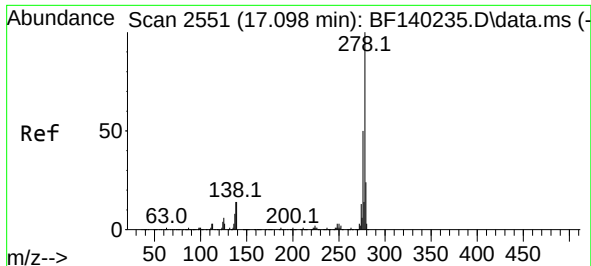
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

125 10.6 7.6 11.4

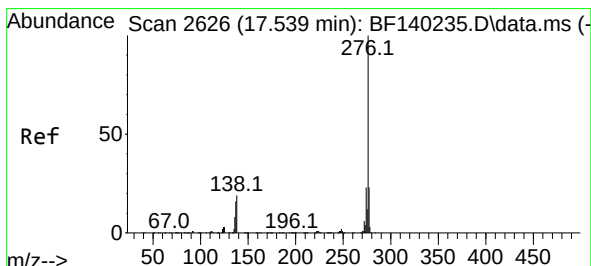
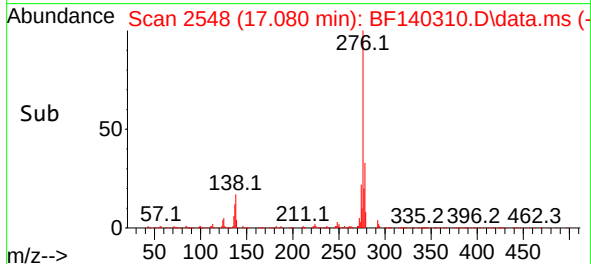
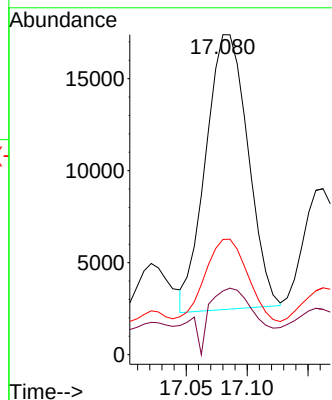
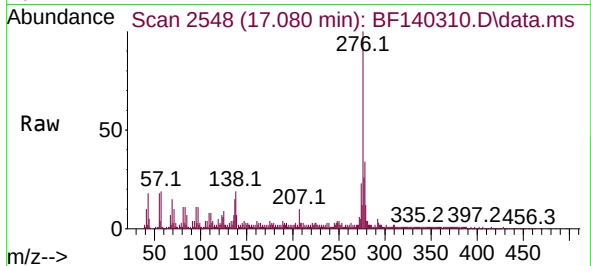




#91
Dibenzo(a,h)anthracene
Concen: 4.129 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Instrument :
BNA_F
ClientSampleId :
B-6-2

Tgt Ion:278 Resp: 36020
Ion Ratio Lower Upper
278 100
139 19.9 11.1 16.7#
279 36.0 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 10.712 ng
RT: 17.533 min Scan# 2625
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:276 Resp: 95333
Ion Ratio Lower Upper
276 100
277 26.2 18.8 28.2
138 19.0 15.3 22.9

