

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140292.D
 Acq On : 08 Nov 2024 12:21
 Operator : RC/JU
 Sample : P4694-05RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-04RE

Quant Time: Nov 08 12:48:10 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)

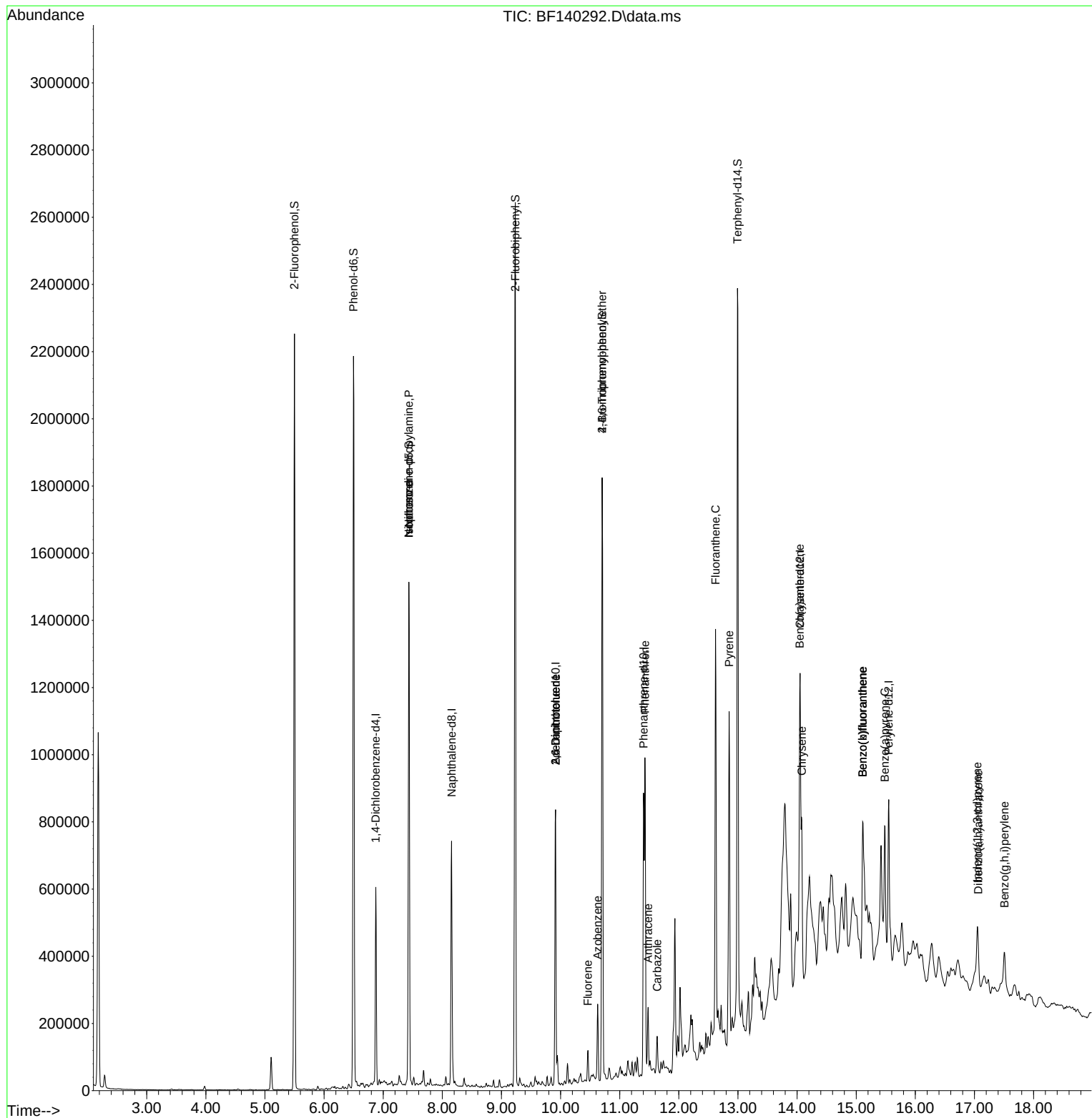
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	117884	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	441931	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	259086	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	451797	20.000	ng	0.00
76) Chrysene-d12	14.051	240	246243	20.000	ng	-0.01
86) Perylene-d12	15.551	264	291932	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	818323	115.040	ng	0.00
7) Phenol-d6	6.498	99	1031692	112.758	ng	0.00
23) Nitrobenzene-d5	7.434	82	679842	76.484	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	311159	121.502	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1211548	74.670	ng	0.00
79) Terphenyl-d14	12.992	244	1096121	72.919	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	92073	15.774	ng	# 76
25) Isophorone	7.434	82	671752	43.891	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	34398	9.171	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	34393	7.066	ng	# 20
58) Fluorene	10.463	166	35836	2.275	ng	99
63) Azobenzene	10.627	77	51811	3.152	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	19989	4.109	ng	# 1
71) Phenanthrene	11.427	178	498873	23.137	ng	98
72) Anthracene	11.480	178	109328	5.171	ng	99
73) Carbazole	11.633	167	54042	2.797	ng	99
75) Fluoranthene	12.621	202	674416	29.914	ng	99
78) Pyrene	12.851	202	572165	28.142	ng	98
81) Benzo(a)anthracene	14.045	228	280515	17.751	ng	99
83) Chrysene	14.080	228	220223	14.881	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	121937	7.116	ng	97
88) Benzo(b)fluoranthene	15.110	252	408684	23.144	ng	98
89) Benzo(k)fluoranthene	15.110	252	408684	25.222	ng	98
90) Benzo(a)pyrene	15.486	252	224974	15.453	ng	97
91) Dibenzo(a,h)anthracene	17.062	278	32276	2.289	ng	# 85
92) Benzo(g,h,i)perylene	17.509	276	107054	7.444	ng	99

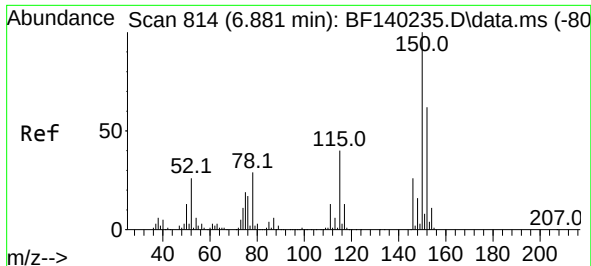
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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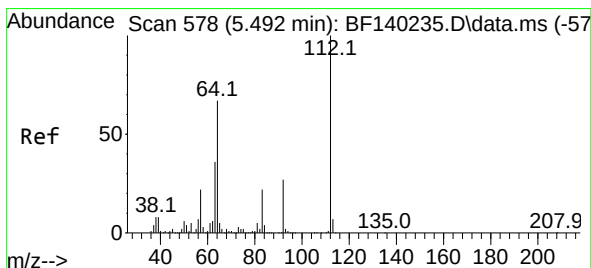
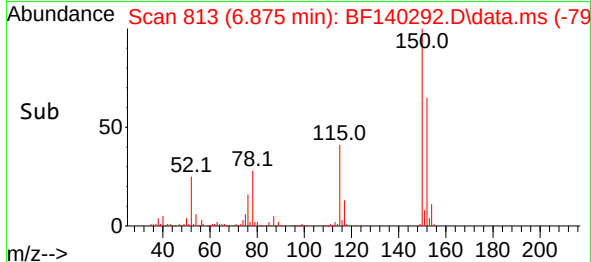
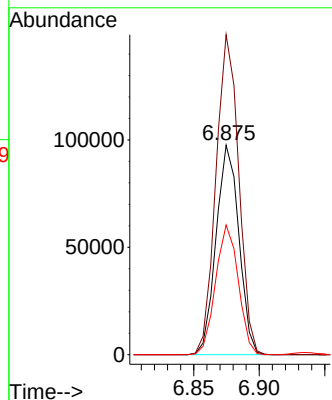
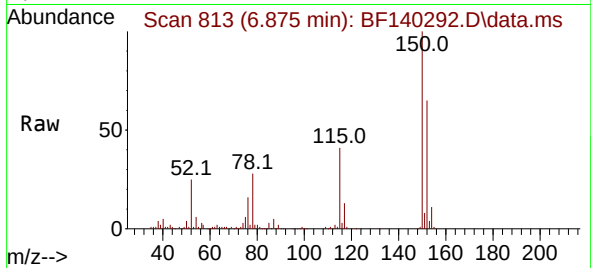




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

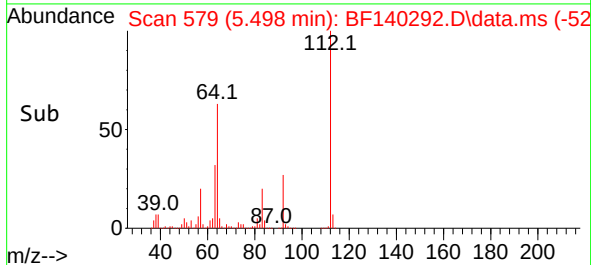
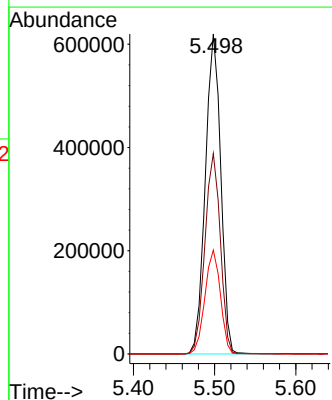
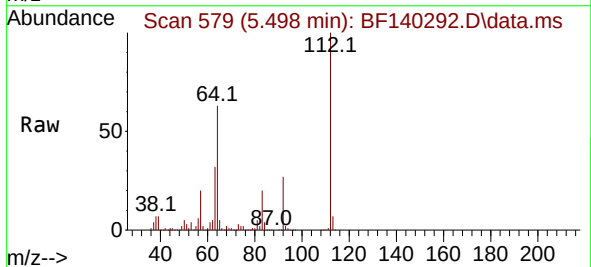
Instrument :
BNA_F
ClientSampleId :
Z-04RE

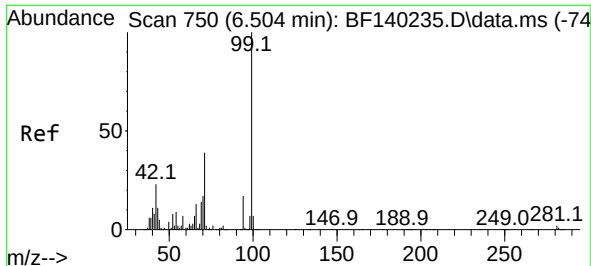
Tgt Ion:152 Resp: 117884
Ion Ratio Lower Upper
152 100
150 152.8 129.4 194.2
115 61.9 51.5 77.3



#5
2-Fluorophenol
Concen: 115.040 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion:112 Resp: 818323
Ion Ratio Lower Upper
112 100
64 62.6 53.4 80.2
63 32.4 28.9 43.3

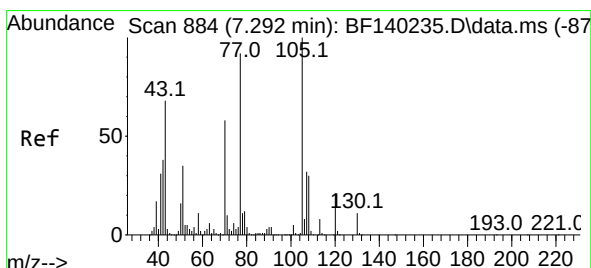
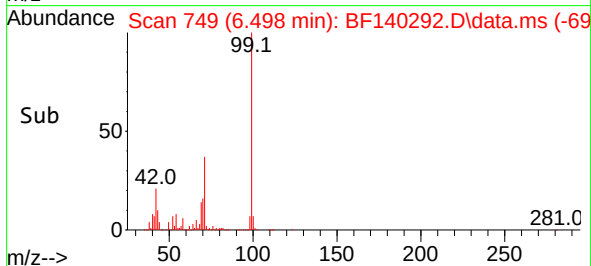
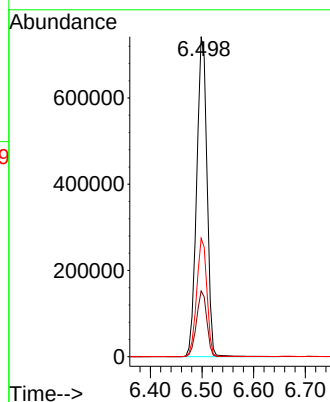
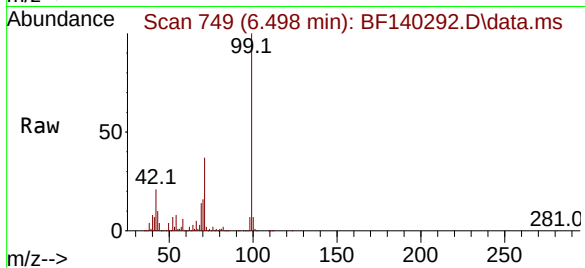




#7
Phenol-d6
Concen: 112.758 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

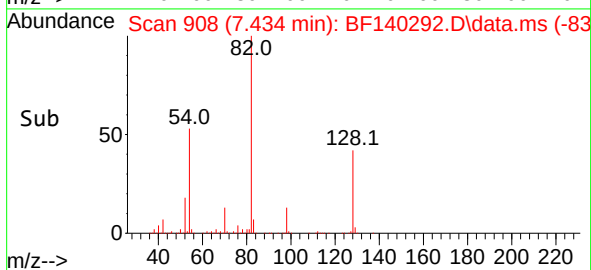
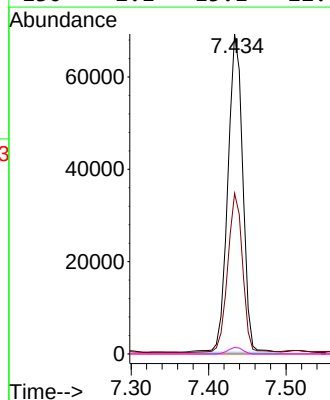
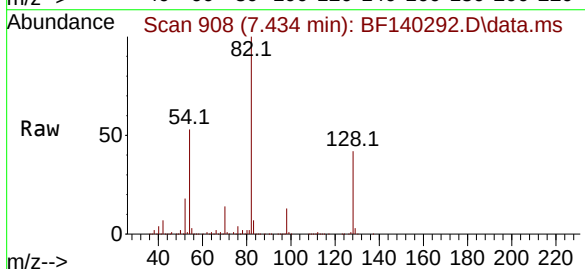
Instrument :
BNA_F
ClientSampleId :
Z-04RE

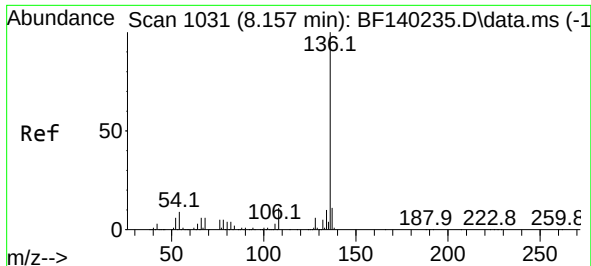
Tgt Ion: 99 Resp: 1031692
Ion Ratio Lower Upper
99 100
42 20.5 18.2 27.2
71 37.0 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.774 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion: 70 Resp: 92073
Ion Ratio Lower Upper
70 100
42 50.2 52.8 79.2#
101 0.0 7.4 11.2#
130 2.1 15.1 22.7#



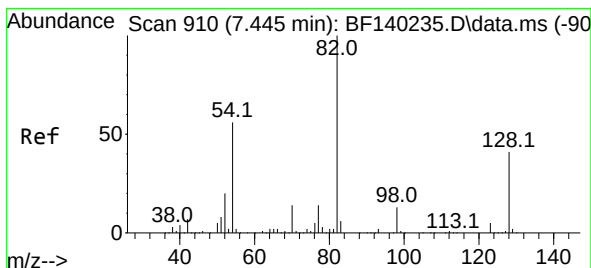
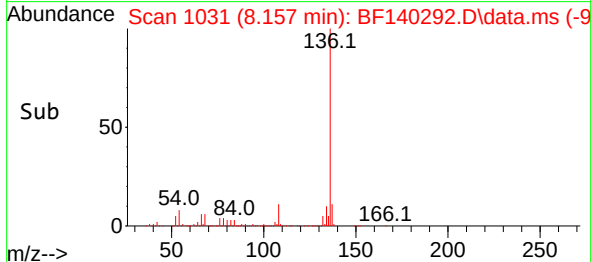
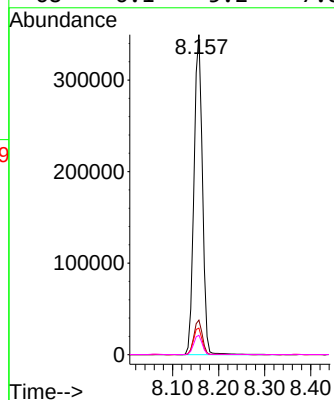
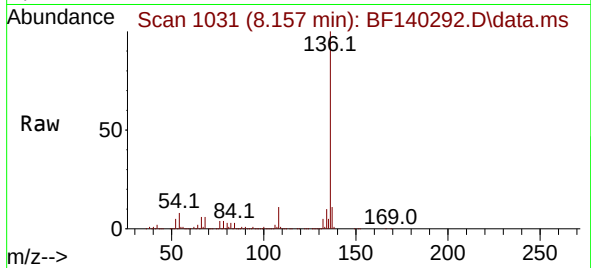


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Instrument :
BNA_F
ClientSampleId :
Z-04RE

Tgt Ion:136 Resp: 441931

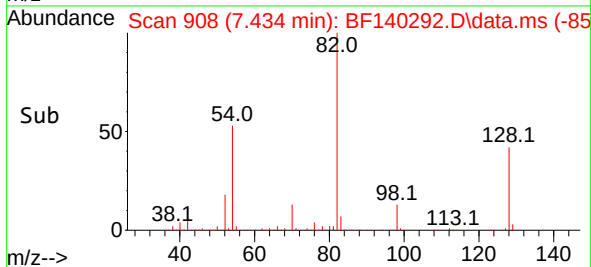
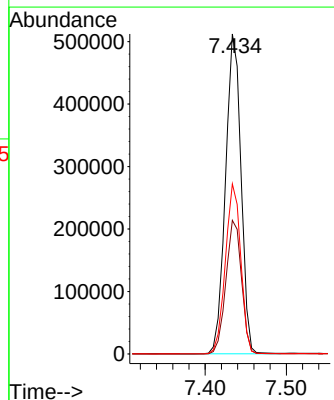
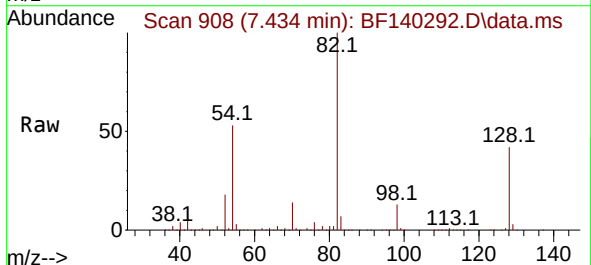
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	8.3	7.7	11.5
68	6.1	5.2	7.8

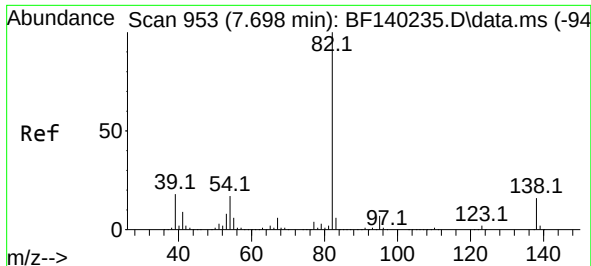


#23
Nitrobenzene-d5
Concen: 76.484 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion: 82 Resp: 679842

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.8	49.2
54	53.2	44.3	66.5

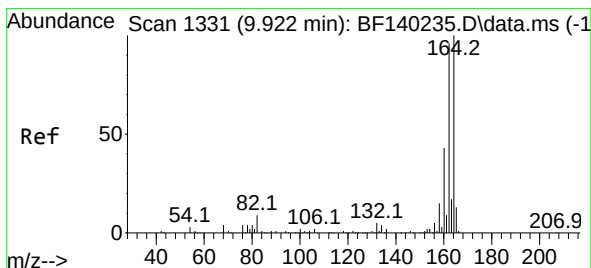
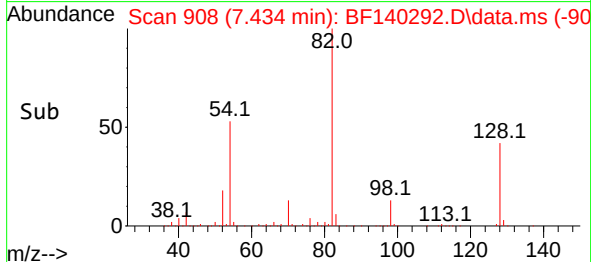
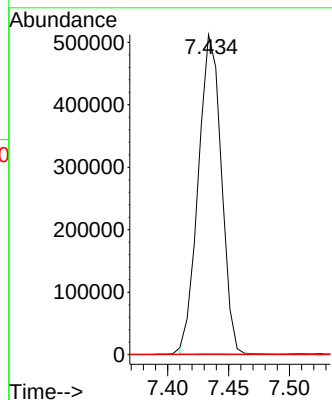
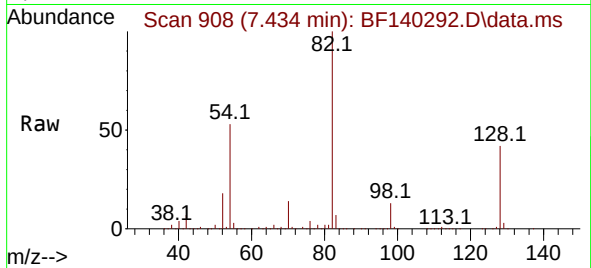




#25
Isophorone
Concen: 43.891 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

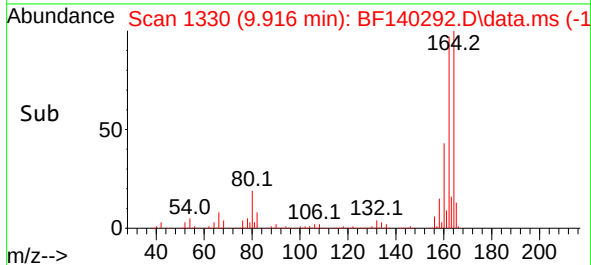
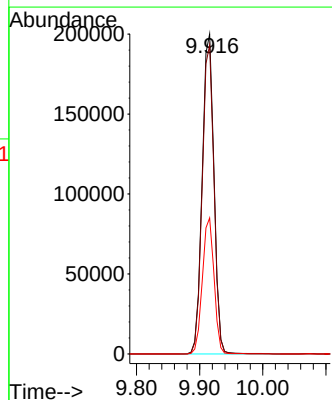
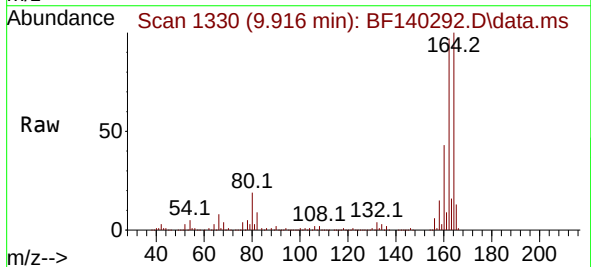
Instrument :
BNA_F
ClientSampleId :
Z-04RE

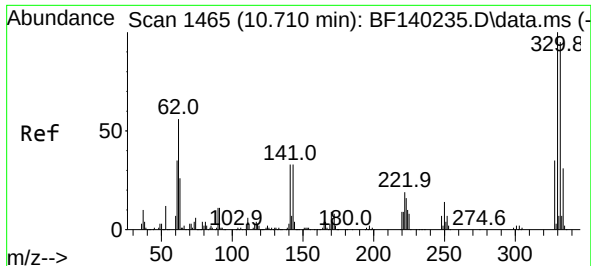
Tgt Ion: 82 Resp: 671752
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion:164 Resp: 259086
Ion Ratio Lower Upper
164 100
162 96.5 77.0 115.4
160 42.5 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 121.502 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

Instrument :

BNA_F

ClientSampleId :

Z-04RE

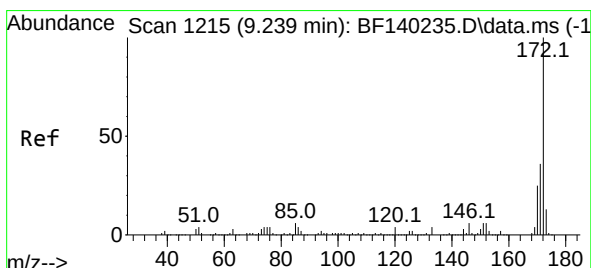
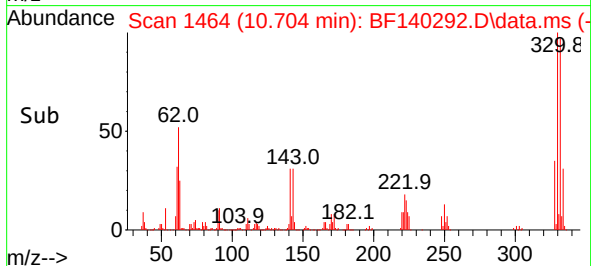
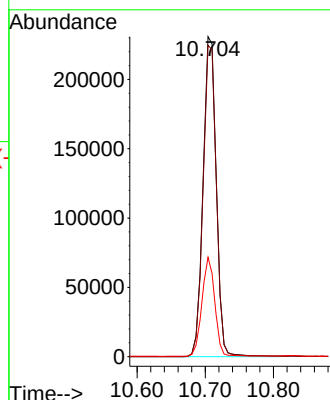
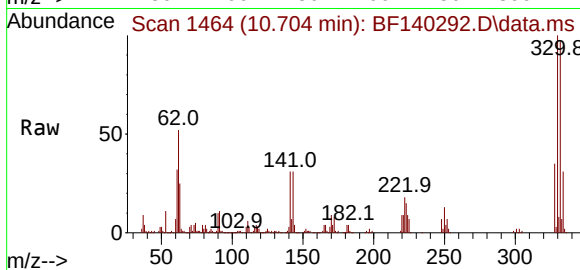
Tgt Ion:330 Resp: 311159

Ion Ratio Lower Upper

330 100

332 97.5 76.4 114.6

141 30.0 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 74.670 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

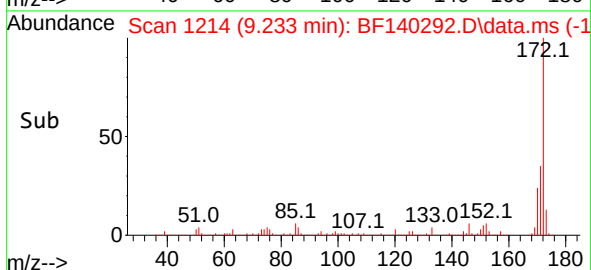
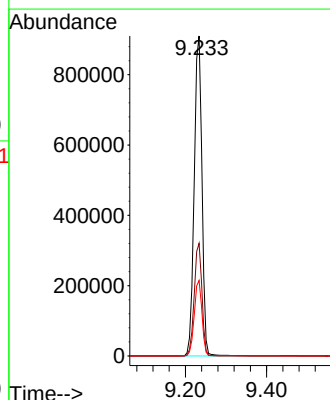
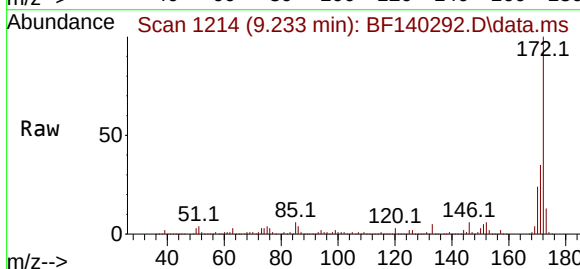
Tgt Ion:172 Resp: 1211548

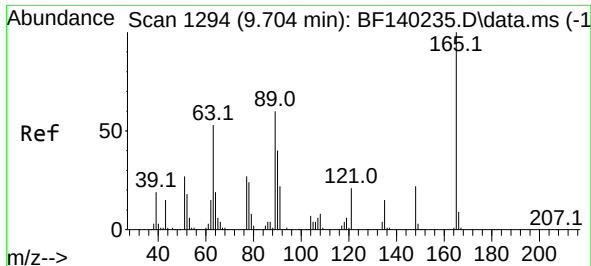
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.6 19.6 29.4

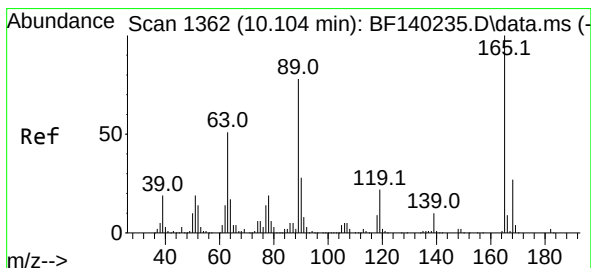
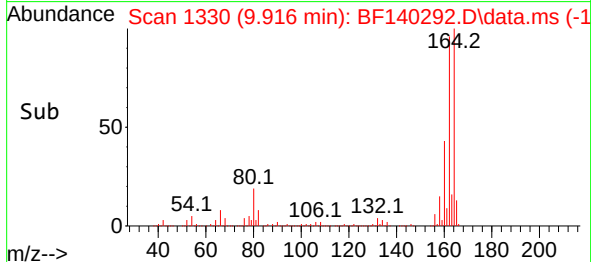
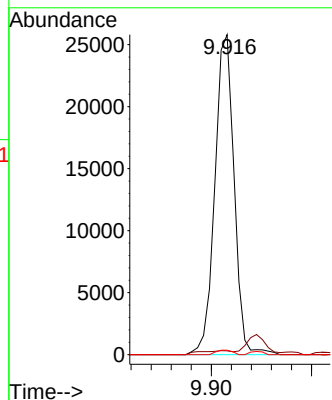
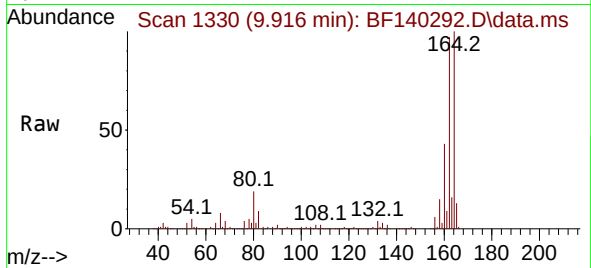




#51
2,6-Dinitrotoluene
Concen: 9.171 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

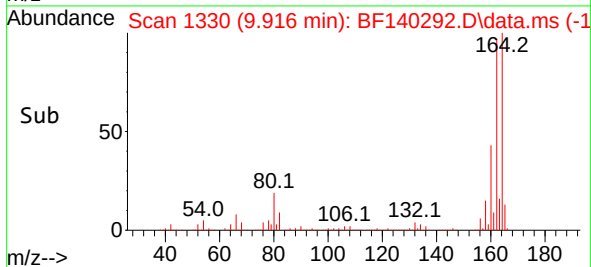
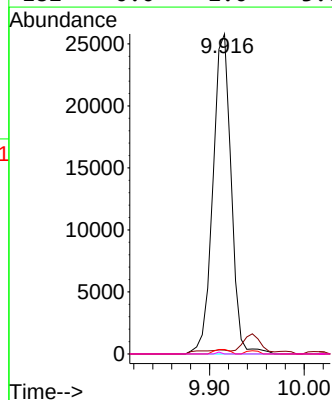
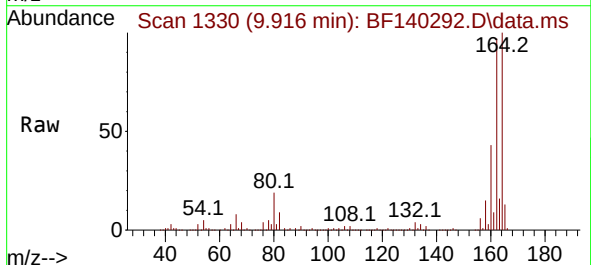
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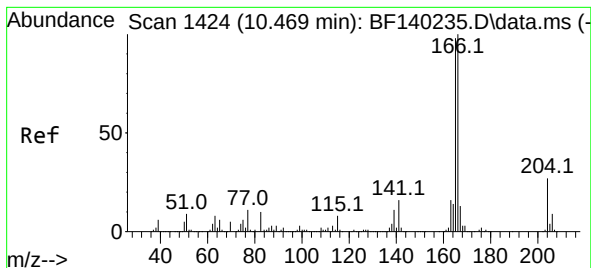
Tgt Ion:165 Resp: 34398
Ion Ratio Lower Upper
165 100
63 1.2 48.8 73.2#
89 1.4 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 7.066 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion:165 Resp: 34393
Ion Ratio Lower Upper
165 100
63 1.2 41.3 61.9#
89 1.4 62.6 94.0#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 2.275 ng

RT: 10.463 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

Instrument :

BNA_F

ClientSampleId :

Z-04RE

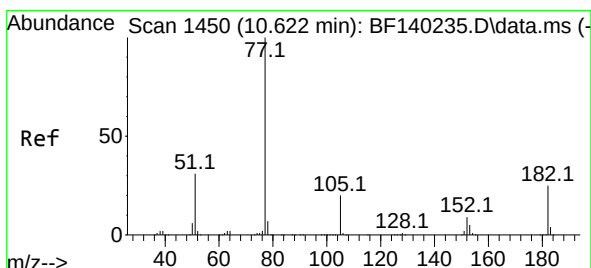
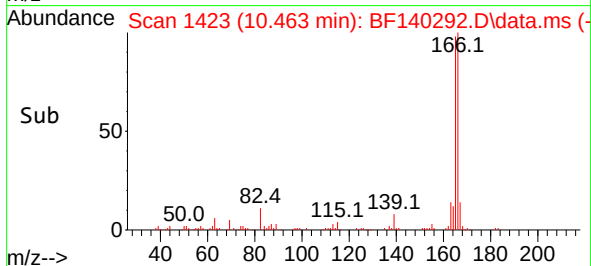
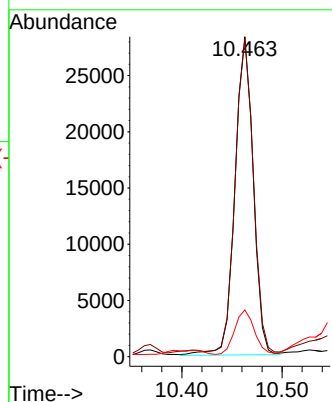
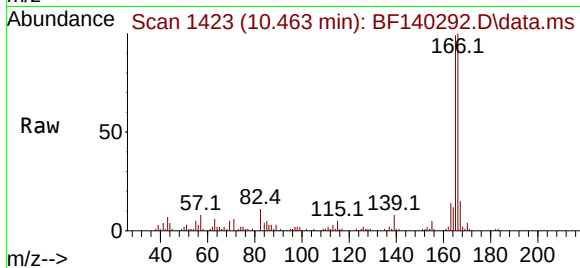
Tgt Ion:166 Resp: 35836

Ion Ratio Lower Upper

166 100

165 99.4 78.7 118.1

167 14.6 10.8 16.2



#63

Azobenzene

Concen: 3.152 ng

RT: 10.627 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

Tgt Ion: 77 Resp: 51811

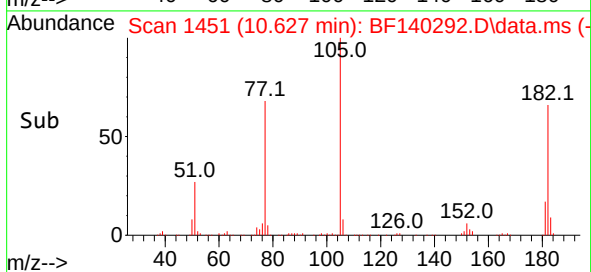
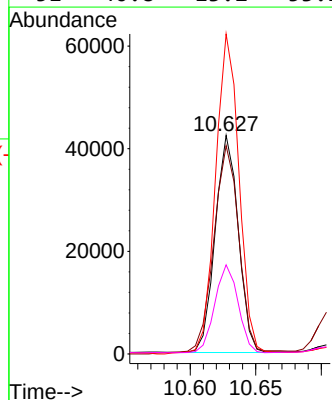
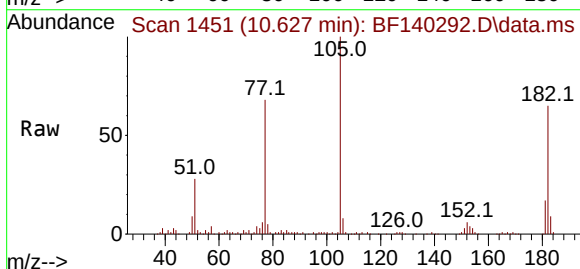
Ion Ratio Lower Upper

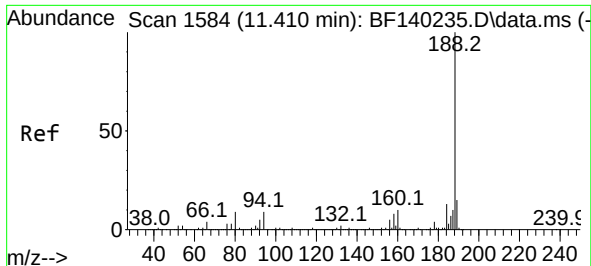
77 100

182 95.3 4.7 44.7#

105 146.4 0.0 40.0#

51 40.8 13.2 53.2

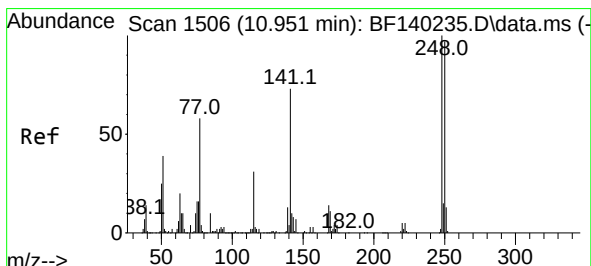
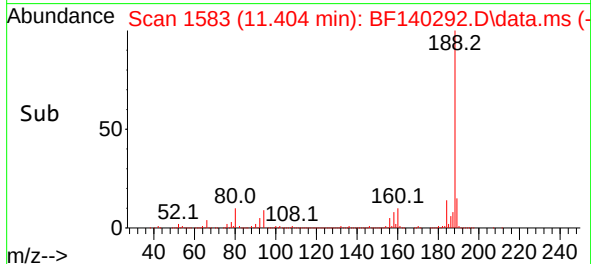
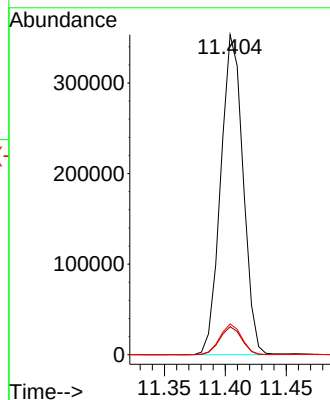
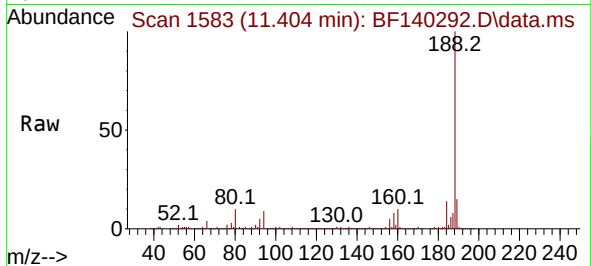




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

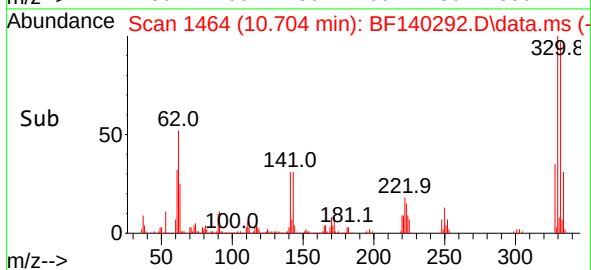
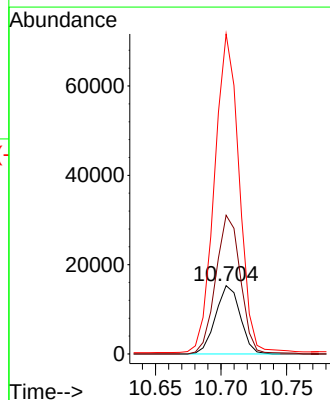
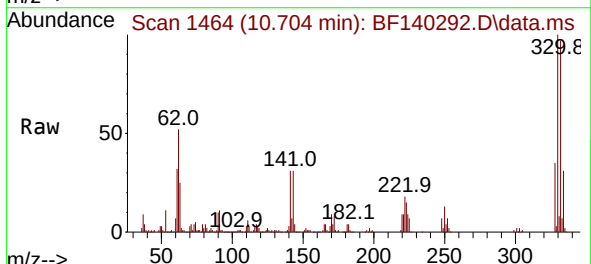
Instrument :
BNA_F
ClientSampleId :
Z-04RE

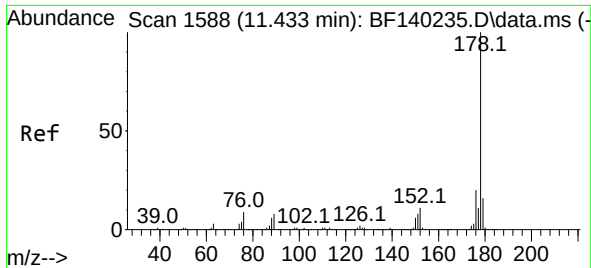
Tgt Ion:188 Resp: 451797
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 9.6 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 4.109 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion:248 Resp: 19989
Ion Ratio Lower Upper
248 100
250 202.8 77.9 116.9#
141 468.0 58.6 88.0#

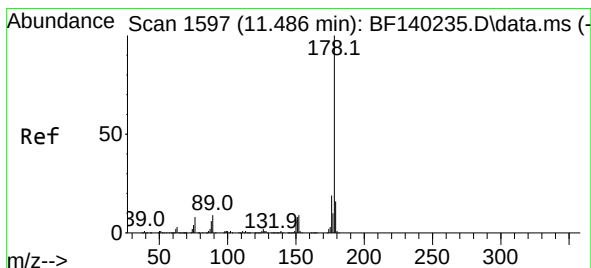
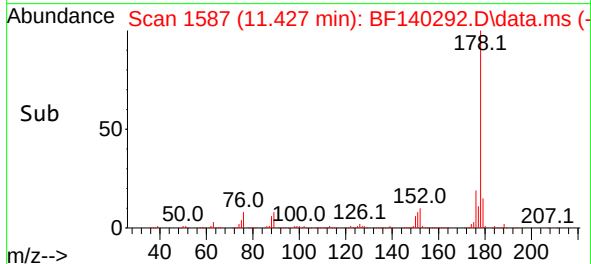
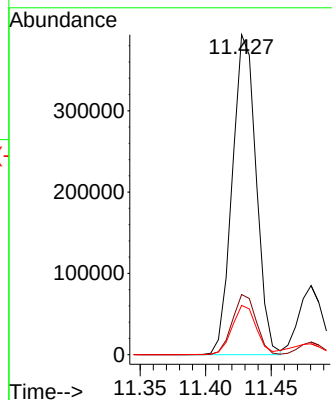
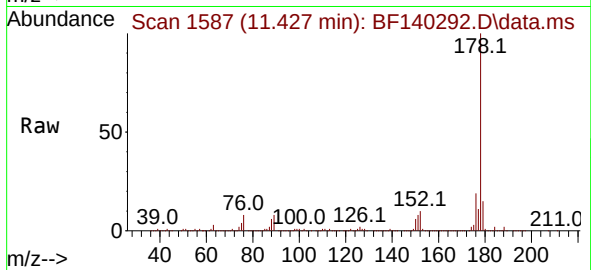




#71
Phenanthrene
Concen: 23.137 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

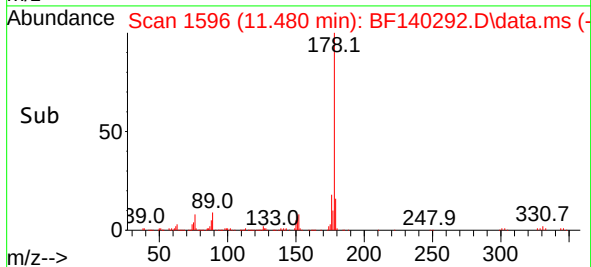
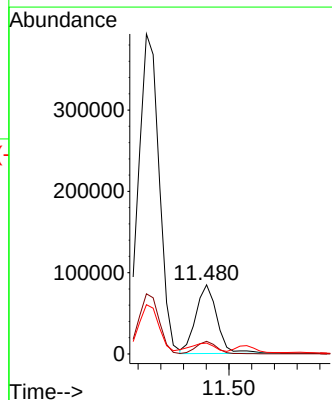
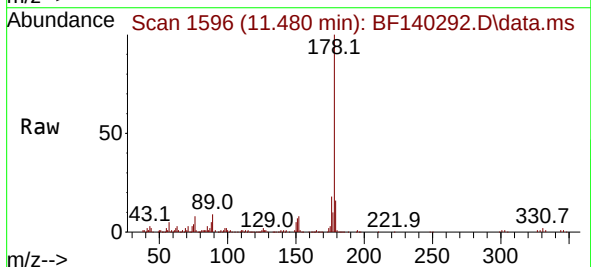
Instrument :
BNA_F
ClientSampleId :
Z-04RE

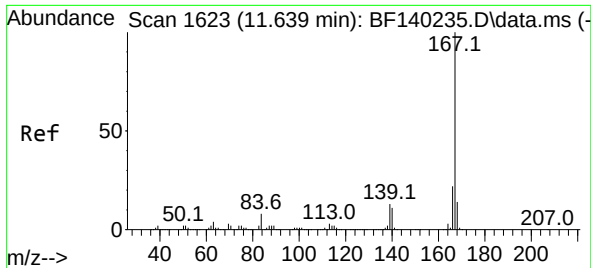
Tgt Ion:178 Resp: 498873
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.4 12.6 18.8



#72
Anthracene
Concen: 5.171 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion:178 Resp: 109328
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.7 12.7 19.1

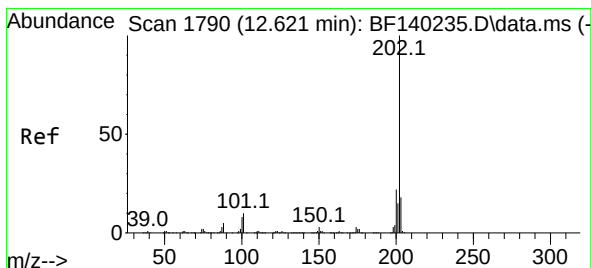
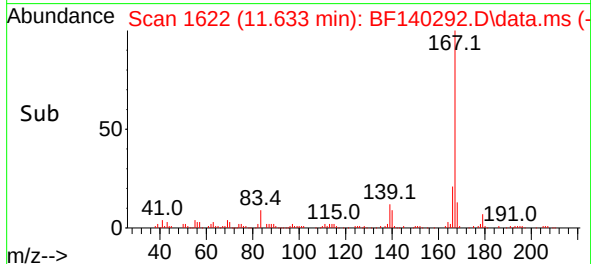
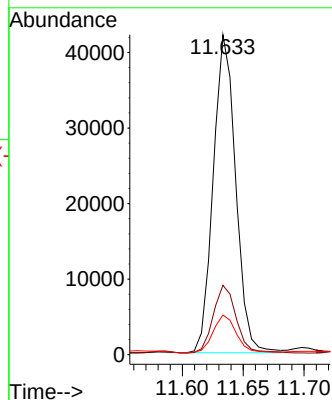
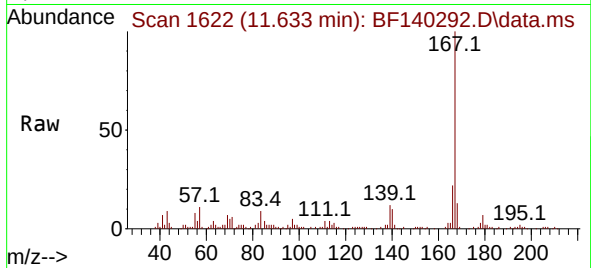




#73
 Carbazole
 Concen: 2.797 ng
 RT: 11.633 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

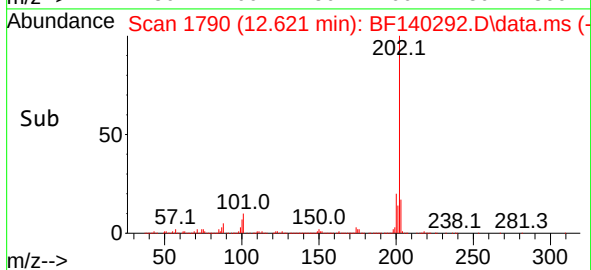
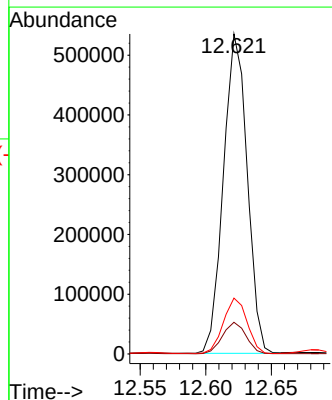
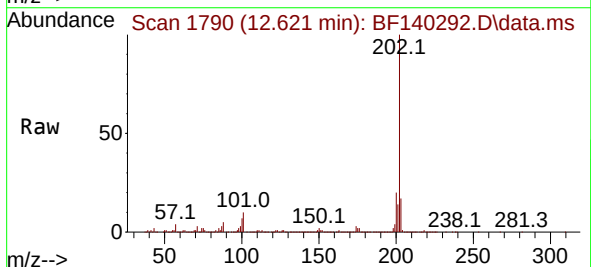
Instrument :
 BNA_F
 ClientSampleId :
 Z-04RE

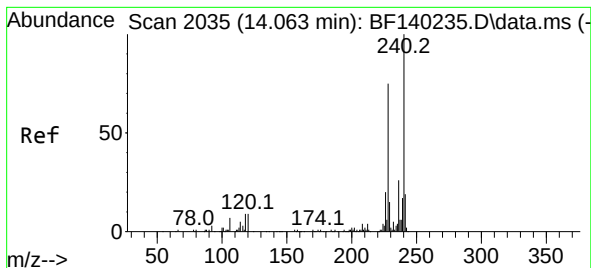
Tgt Ion:167 Resp: 54042
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.3 25.9
 139 12.4 10.7 16.1



#75
 Fluoranthene
 Concen: 29.914 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. -0.000 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

Tgt Ion:202 Resp: 674416
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.4
 203 17.4 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: BF140292.D

Acq: 08 Nov 2024 12:21

Instrument :

BNA_F

ClientSampleId :

Z-04RE

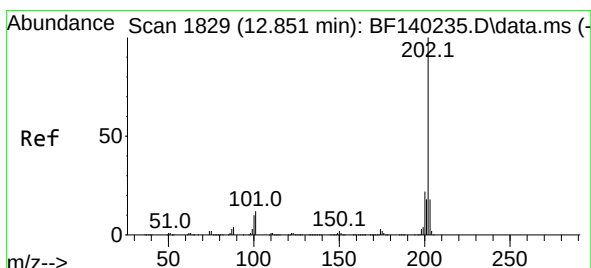
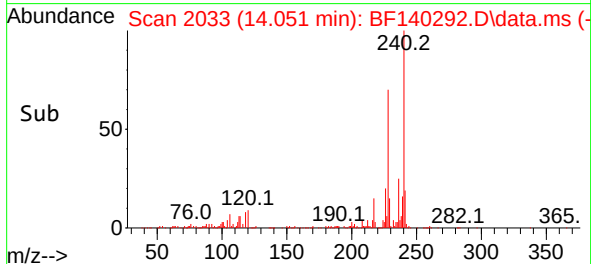
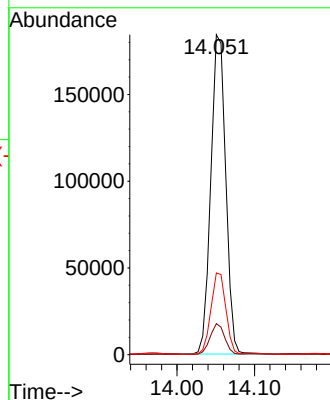
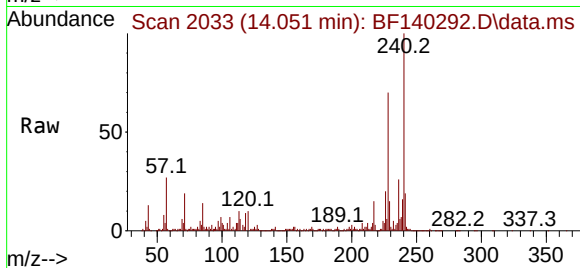
Tgt Ion:240 Resp: 246243

Ion Ratio Lower Upper

240 100

120 9.7 7.5 11.3

236 25.5 20.9 31.3



#78

Pyrene

Concen: 28.142 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

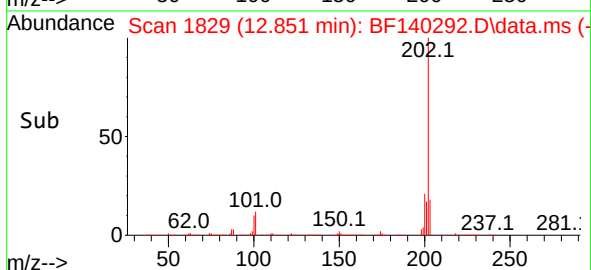
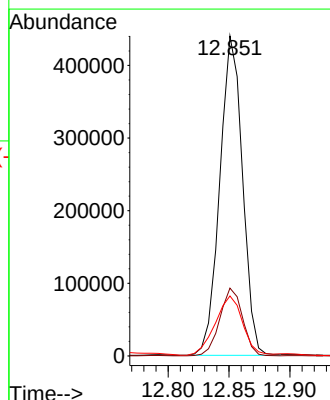
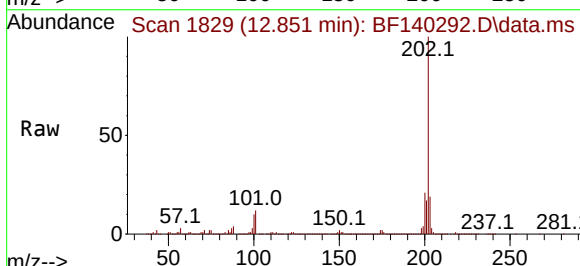
Tgt Ion:202 Resp: 572165

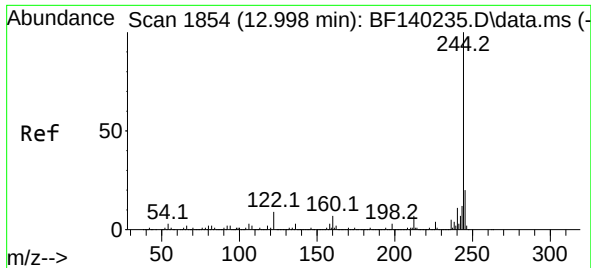
Ion Ratio Lower Upper

202 100

200 21.2 17.5 26.3

203 18.8 14.4 21.6

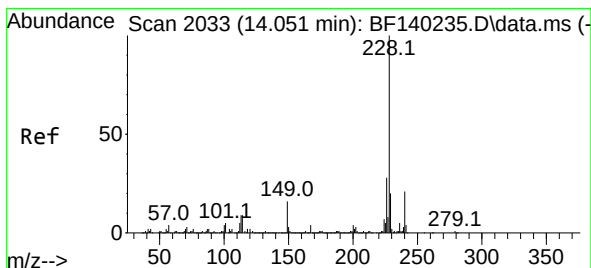
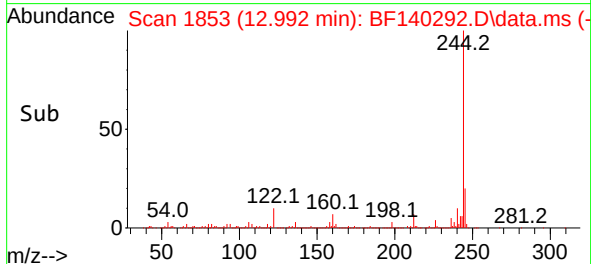
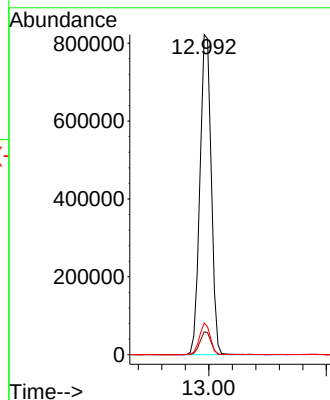
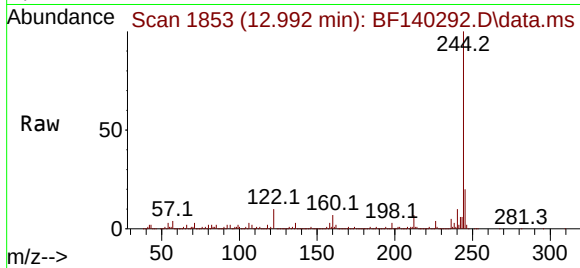




#79
 Terphenyl-d14
 Concen: 72.919 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

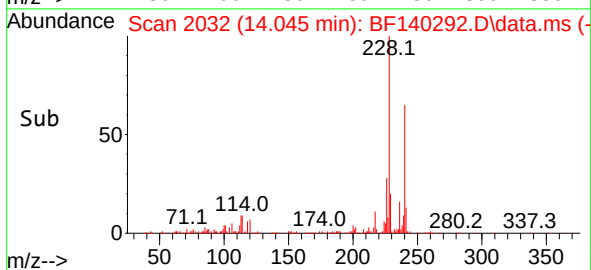
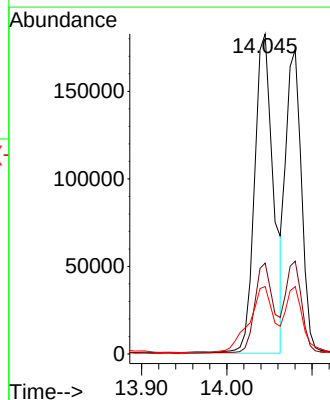
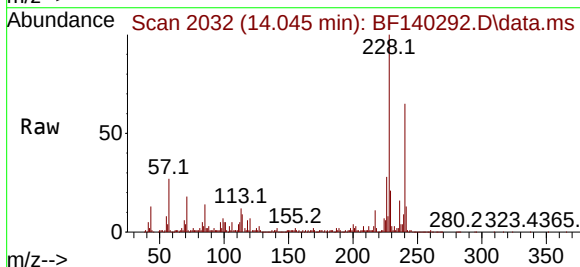
Instrument :
 BNA_F
 ClientSampleId :
 Z-04RE

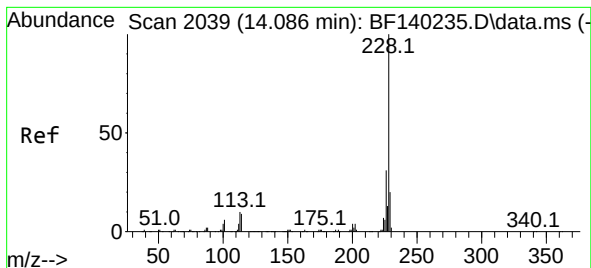
Tgt Ion:244 Resp: 1096121
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.9 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 17.751 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

Tgt Ion:228 Resp: 280515
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.3 33.5
 229 21.1 16.1 24.1





#83

Chrysene

Concen: 14.881 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

Instrument :

BNA_F

ClientSampleId :

Z-04RE

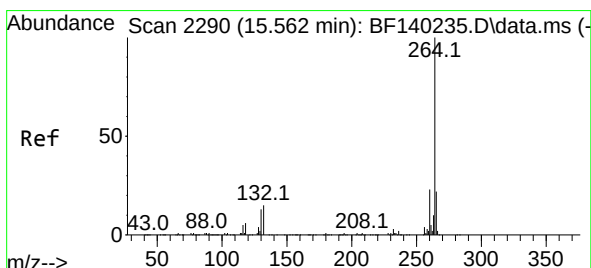
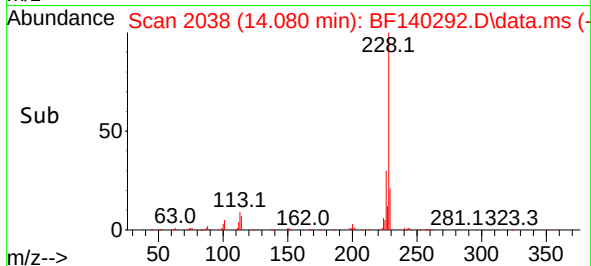
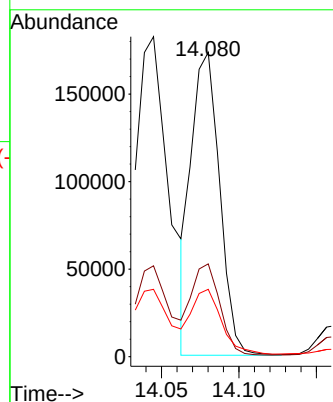
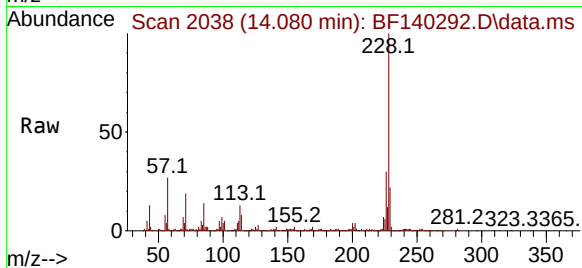
Tgt Ion:228 Resp: 220223

Ion Ratio Lower Upper

228 100

226 30.5 24.6 36.8

229 22.2 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2288

Delta R.T. -0.012 min

Lab File: BF140292.D

Acq: 08 Nov 2024 12:21

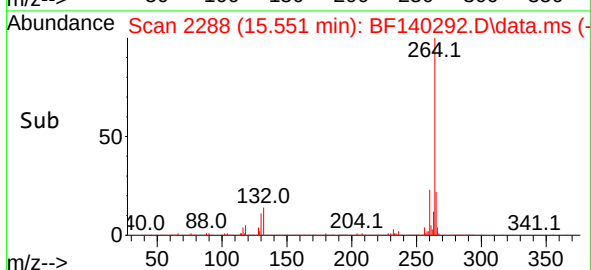
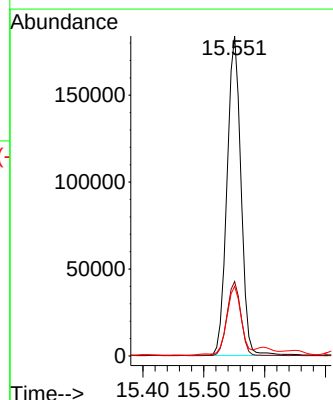
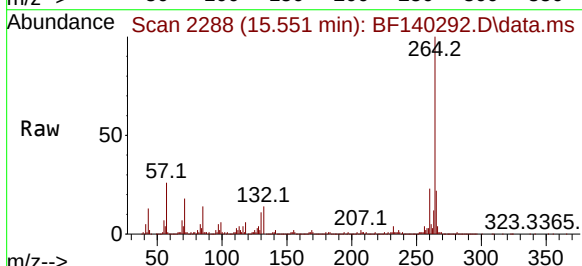
Tgt Ion:264 Resp: 291932

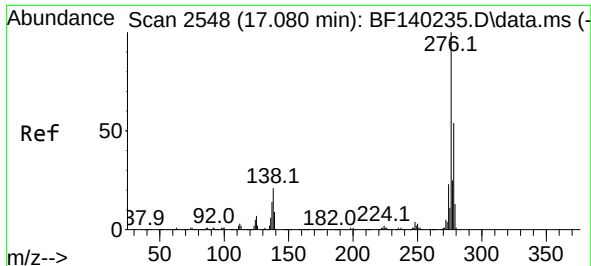
Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

265 21.8 17.3 25.9

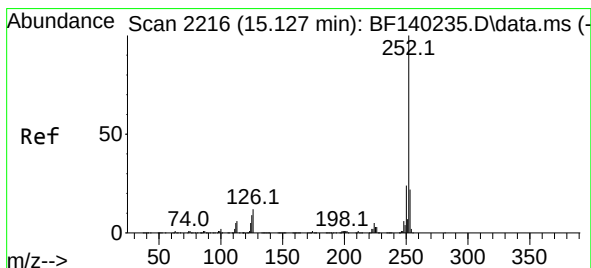
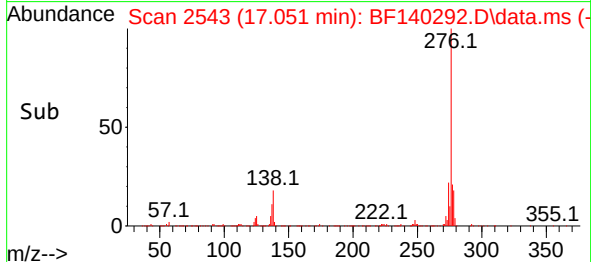
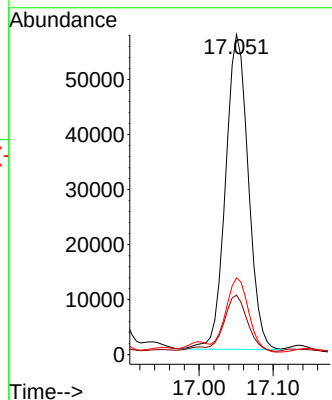
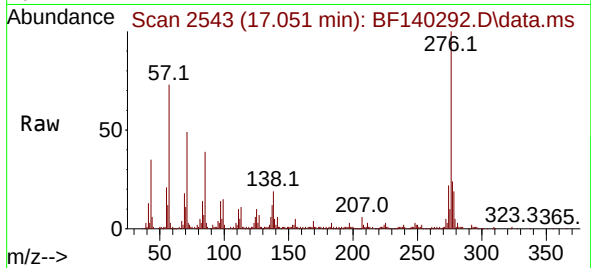




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.116 ng
 RT: 17.051 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

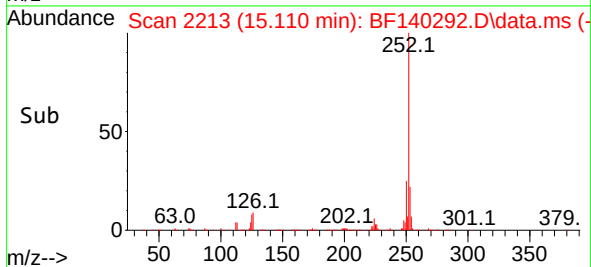
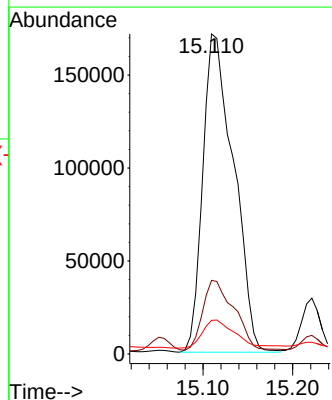
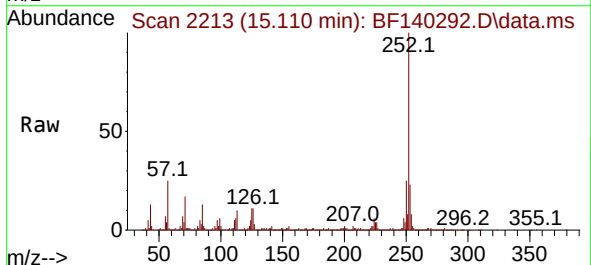
Instrument :
 BNA_F
 ClientSampleId :
 Z-04RE

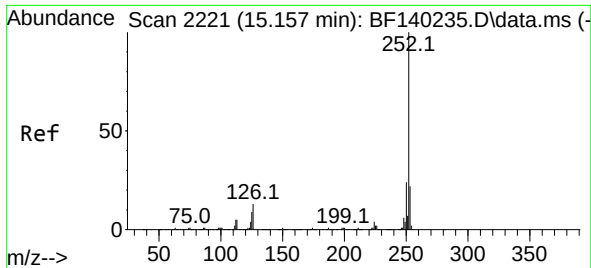
Tgt Ion:276 Resp: 121937
 Ion Ratio Lower Upper
 276 100
 138 20.0 17.6 26.4
 277 23.8 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 23.144 ng
 RT: 15.110 min Scan# 2213
 Delta R.T. -0.018 min
 Lab File: BF140292.D
 Acq: 08 Nov 2024 12:21

Tgt Ion:252 Resp: 408684
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.9 26.9
 125 10.5 7.0 10.6

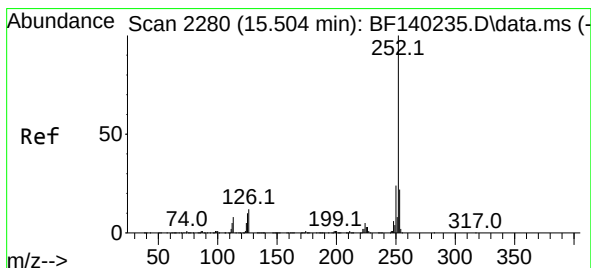
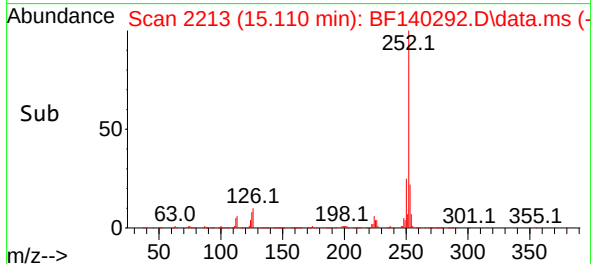
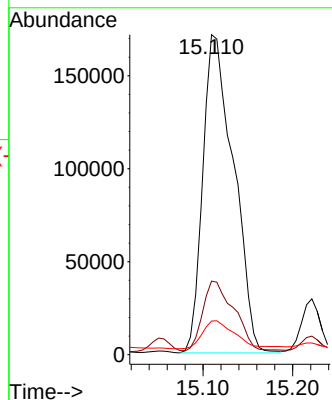
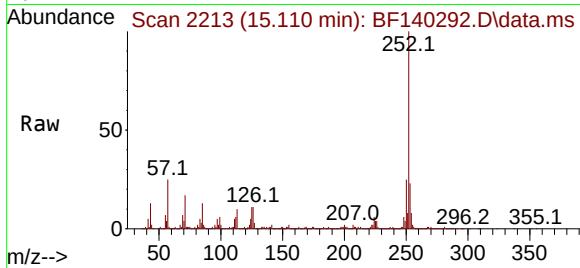




#89
Benzo(k)fluoranthene
Concen: 25.222 ng
RT: 15.110 min Scan# 211
Delta R.T. -0.047 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

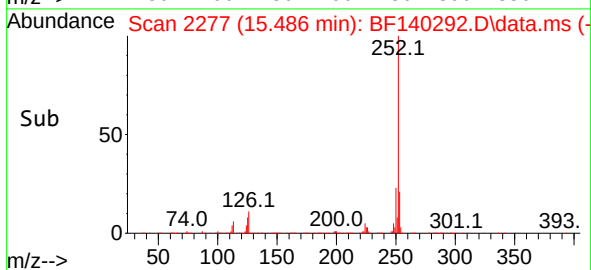
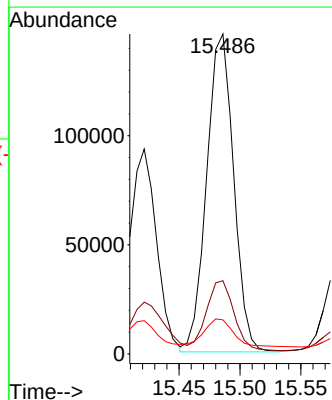
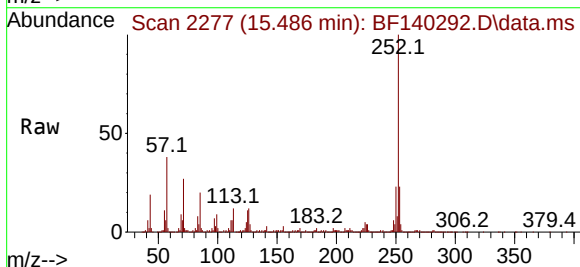
Instrument :
BNA_F
ClientSampleId :
Z-04RE

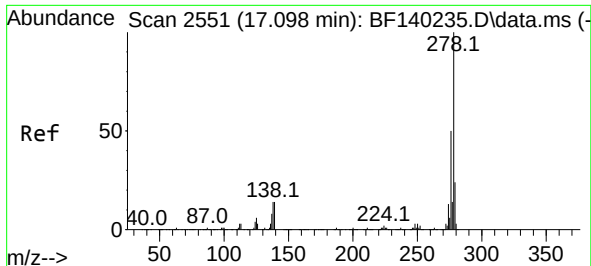
Tgt Ion:252 Resp: 408684
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.5 7.2 10.8



#90
Benzo(a)pyrene
Concen: 15.453 ng
RT: 15.486 min Scan# 2277
Delta R.T. -0.018 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion:252 Resp: 224974
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.7 7.6 11.4

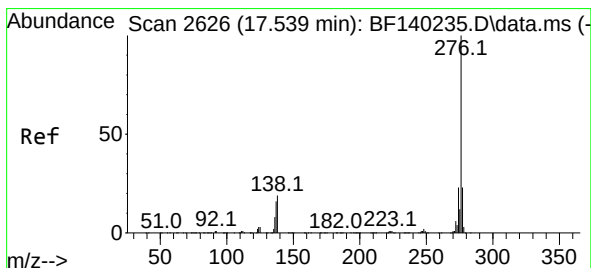
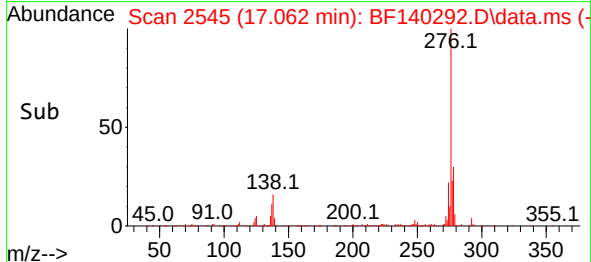
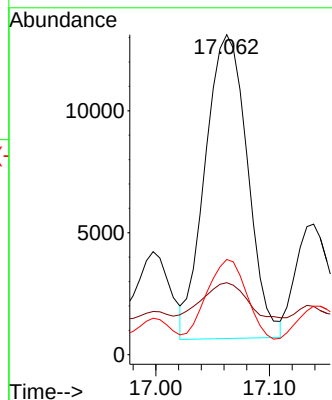
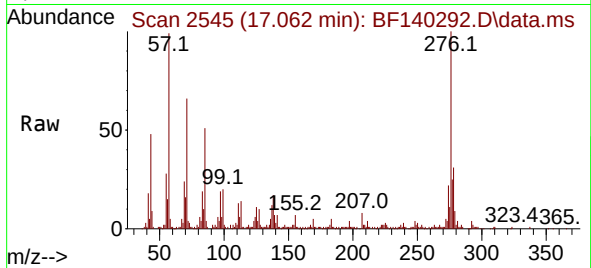




#91
Dibenzo(a,h)anthracene
Concen: 2.289 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Instrument :
BNA_F
ClientSampleId :
Z-04RE

Tgt Ion:278 Resp: 32276
Ion Ratio Lower Upper
278 100
139 22.5 11.1 16.7#
279 29.7 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 7.444 ng
RT: 17.509 min Scan# 2621
Delta R.T. -0.029 min
Lab File: BF140292.D
Acq: 08 Nov 2024 12:21

Tgt Ion:276 Resp: 107054
Ion Ratio Lower Upper
276 100
277 23.0 18.8 28.2
138 18.6 15.3 22.9

