

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140296.D
 Acq On : 08 Nov 2024 14:06
 Operator : RC/JU
 Sample : P4694-01DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-03ADL

Quant Time: Nov 08 14:32:31 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)

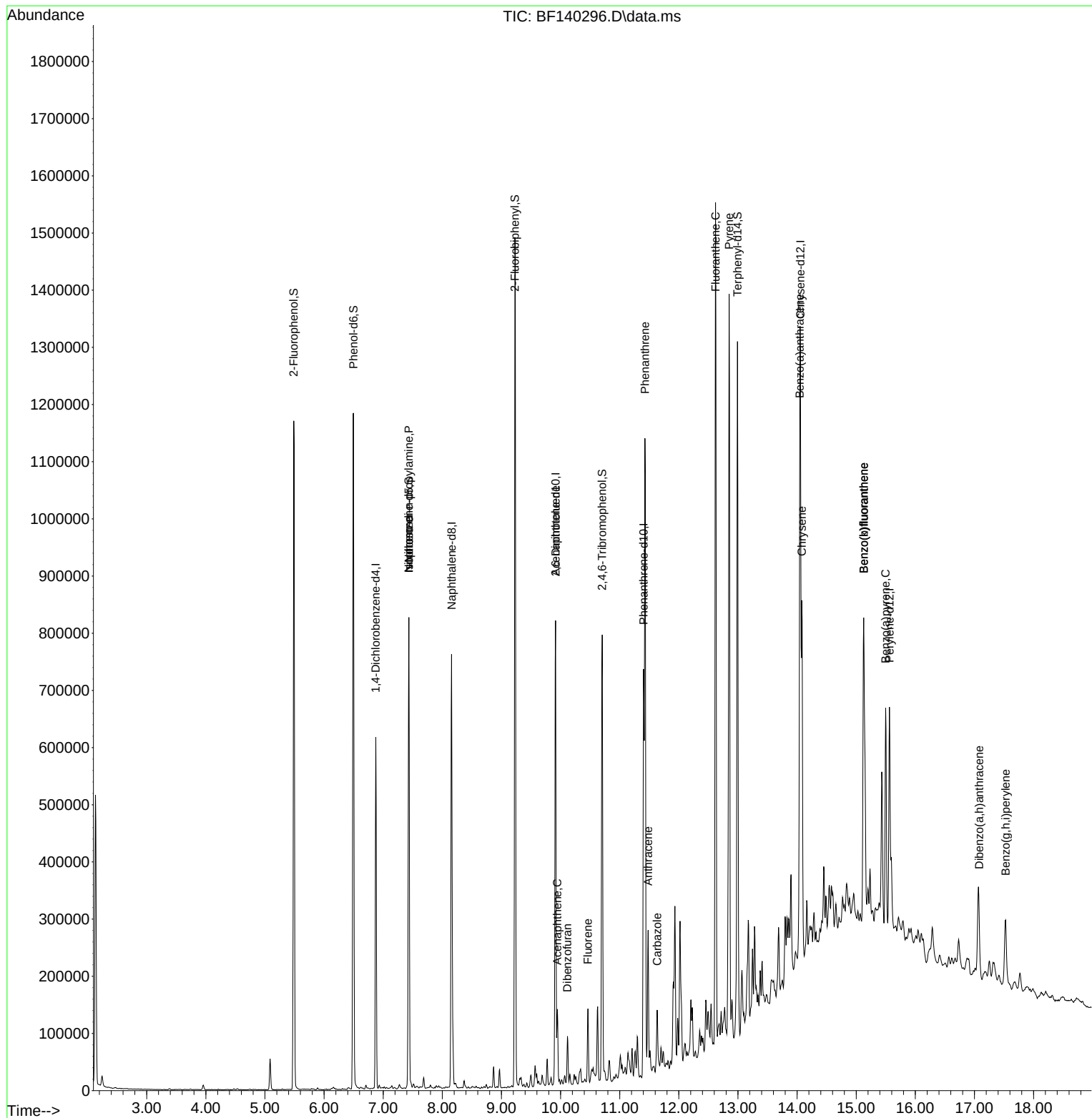
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	121281	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	454225	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	251113	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	378257	20.000	ng	0.00
76) Chrysene-d12	14.057	240	280284	20.000	ng	0.00
86) Perylene-d12	15.562	264	232516	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	431886	59.014	ng	0.00
7) Phenol-d6	6.498	99	551740	58.613	ng	0.00
23) Nitrobenzene-d5	7.434	82	351859	38.514	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	127999	51.568	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	667322	42.434	ng	-0.01
79) Terphenyl-d14	12.992	244	591616	34.577	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	49128	8.181	ng	# 74
25) Isophorone	7.434	82	346513	22.027	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	33471	9.207	ng	# 22
52) Acenaphthene	9.945	154	38722	2.823	ng	97
55) Dibenzofuran	10.116	168	39602	2.064	ng	97
58) Fluorene	10.463	166	48011	3.144	ng	97
71) Phenanthrene	11.427	178	603444	33.429	ng	99
72) Anthracene	11.480	178	140899	7.960	ng	99
73) Carbazole	11.633	167	55340	3.422	ng	99
75) Fluoranthene	12.621	202	829479	43.945	ng	99
78) Pyrene	12.851	202	754120	32.586	ng	98
81) Benzo(a)anthracene	14.045	228	404411	22.483	ng	97
83) Chrysene	14.080	228	351608	20.874	ng	97
88) Benzo(b)fluoranthene	15.127	252	483079	34.348	ng	98
89) Benzo(k)fluoranthene	15.127	252	483079	37.432	ng	98
90) Benzo(a)pyrene	15.498	252	245620	21.182	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	30380	2.705	ng	# 87
92) Benzo(g,h,i)perylene	17.527	276	115264	10.062	ng	98

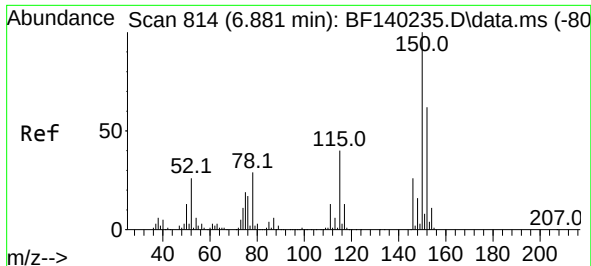
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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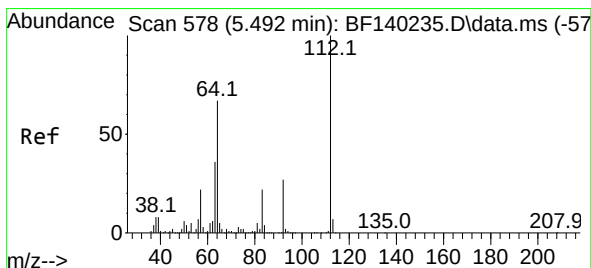
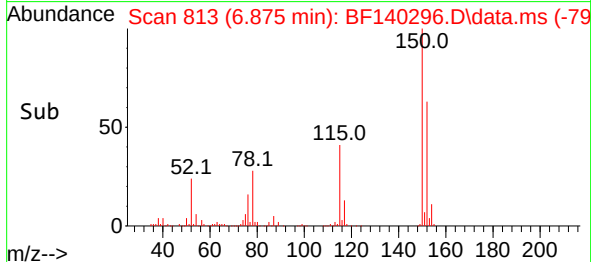
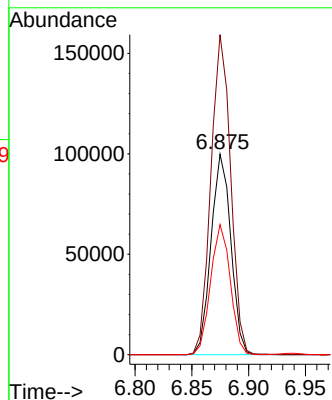
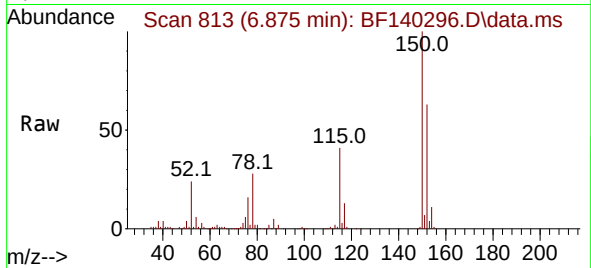




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

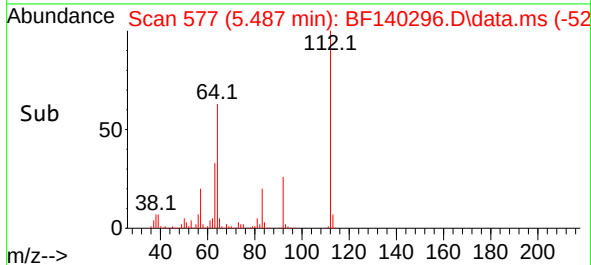
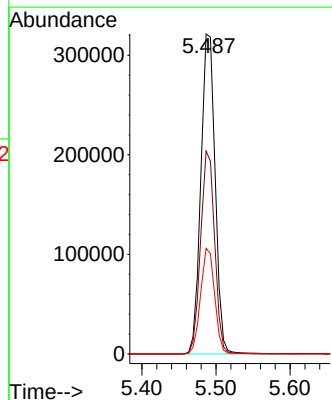
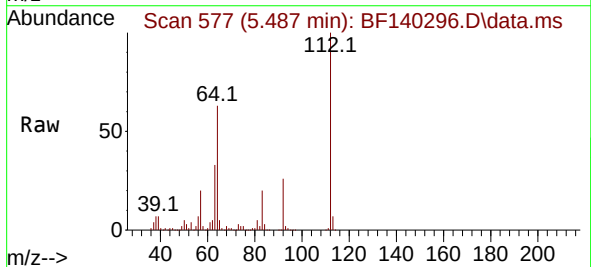
Instrument :
BNA_F
ClientSampleId :
Z-03ADL

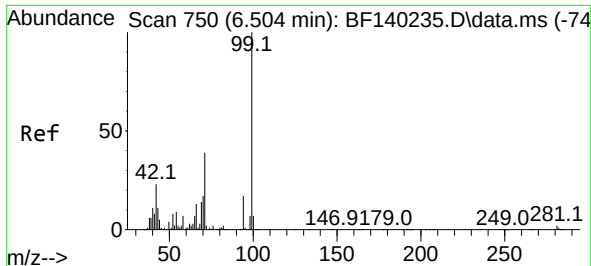
Tgt Ion:152 Resp: 121281
Ion Ratio Lower Upper
152 100
150 159.6 129.4 194.2
115 64.9 51.5 77.3



#5
2-Fluorophenol
Concen: 59.014 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion:112 Resp: 431886
Ion Ratio Lower Upper
112 100
64 63.4 53.4 80.2
63 33.0 28.9 43.3

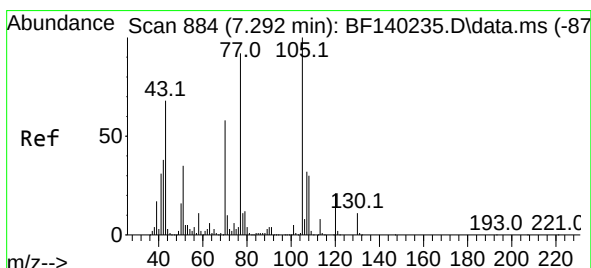
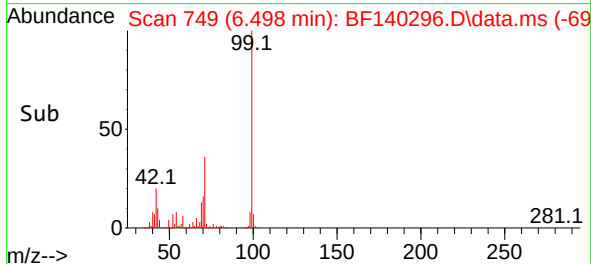
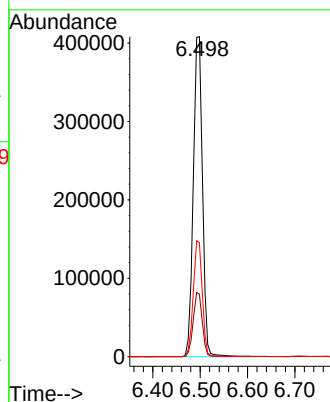
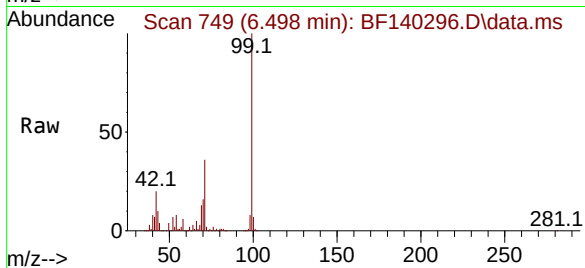




#7
Phenol-d6
Concen: 58.613 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

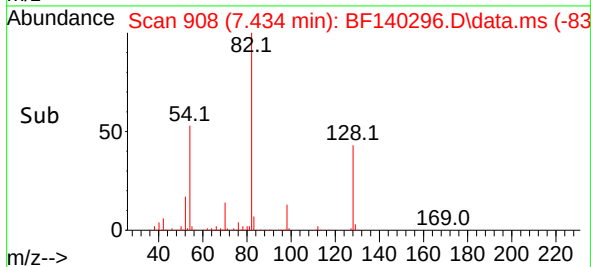
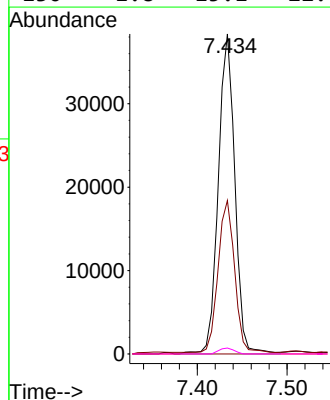
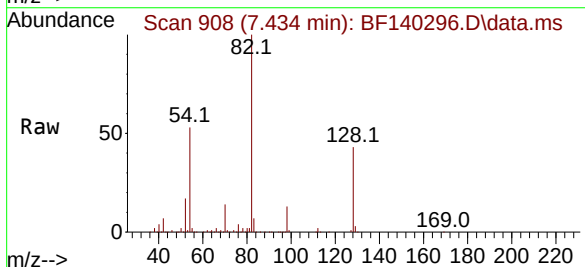
Instrument :
BNA_F
ClientSampleId :
Z-03ADL

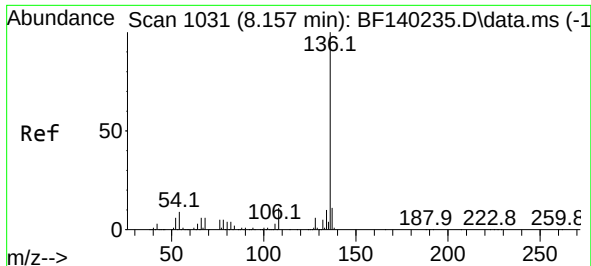
Tgt Ion: 99 Resp: 551740
Ion Ratio Lower Upper
99 100
42 19.6 18.2 27.2
71 35.6 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 8.181 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion: 70 Resp: 49128
Ion Ratio Lower Upper
70 100
42 47.9 52.8 79.2#
101 0.0 7.4 11.2#
130 1.8 15.1 22.7#



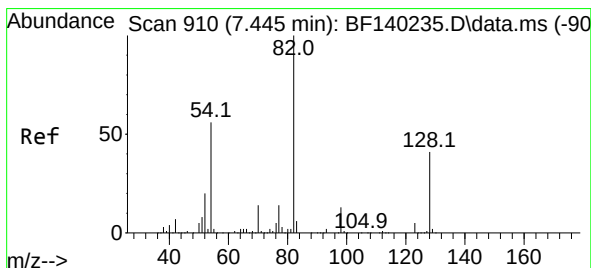
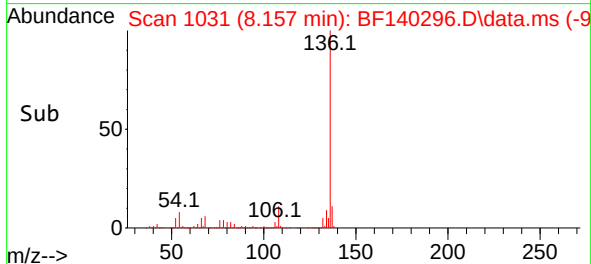
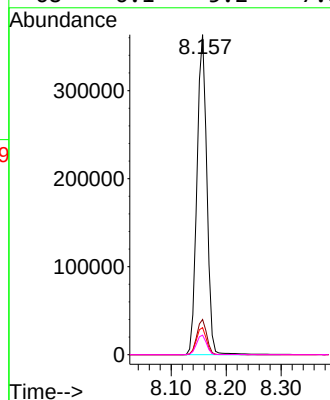
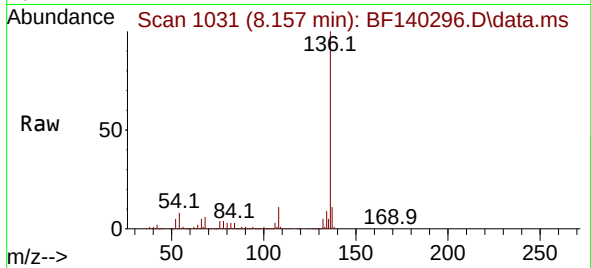


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Instrument :
BNA_F
ClientSampleId :
Z-03ADL

Tgt Ion:136 Resp: 454225

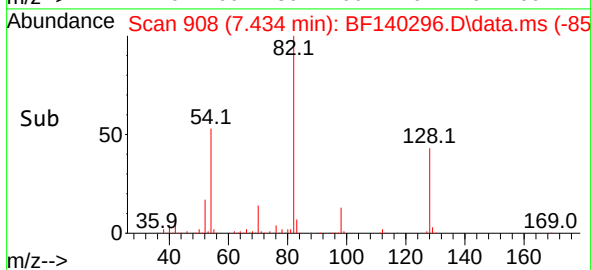
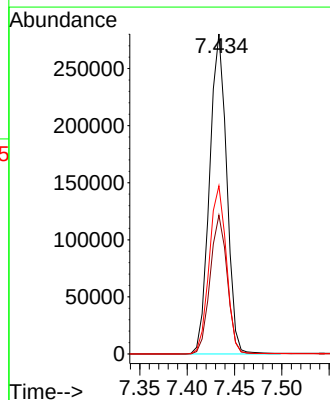
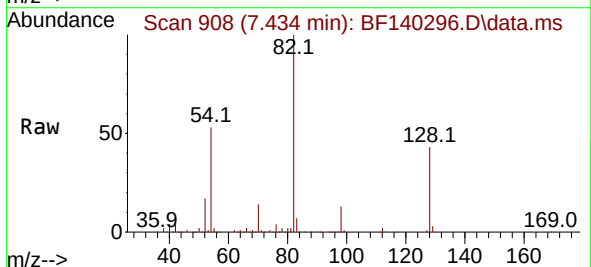
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	8.4	7.7	11.5
68	6.1	5.2	7.8

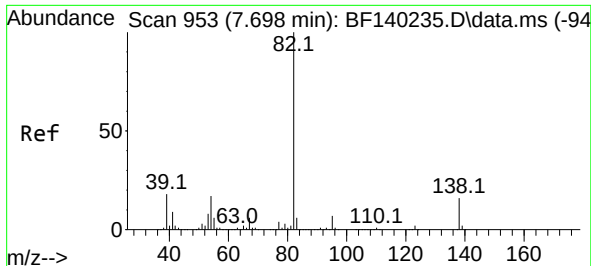


#23
Nitrobenzene-d5
Concen: 38.514 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion: 82 Resp: 351859

Ion	Ratio	Lower	Upper
82	100		
128	43.3	32.8	49.2
54	52.5	44.3	66.5

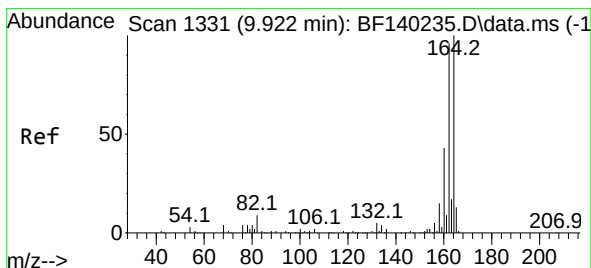
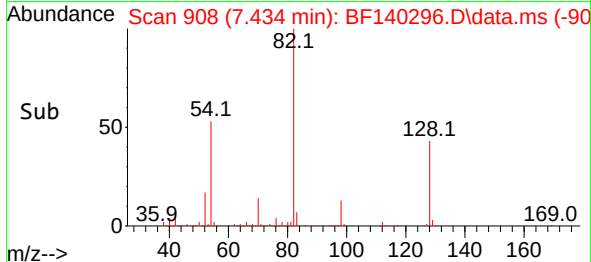
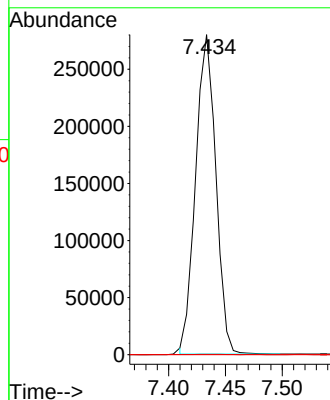
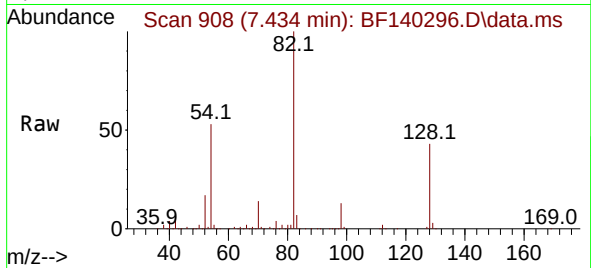




#25
Isophorone
Concen: 22.027 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

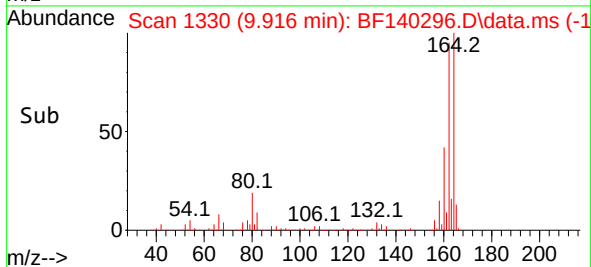
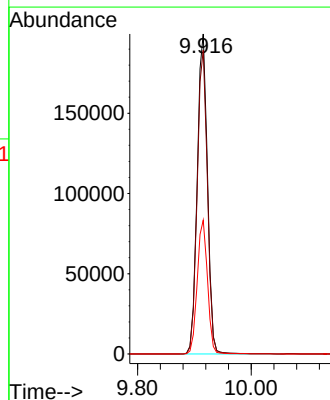
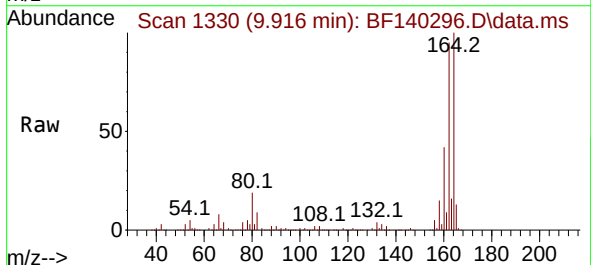
Instrument :
BNA_F
ClientSampleId :
Z-03ADL

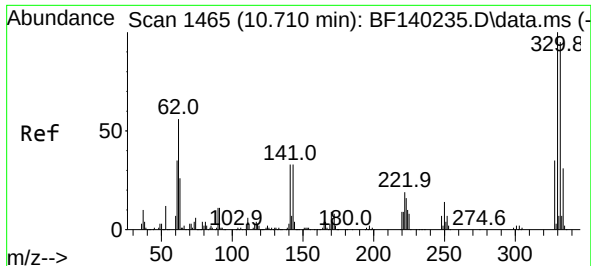
Tgt Ion: 82 Resp: 346513
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion: 164 Resp: 251113
Ion Ratio Lower Upper
164 100
162 94.9 77.0 115.4
160 41.8 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 51.568 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

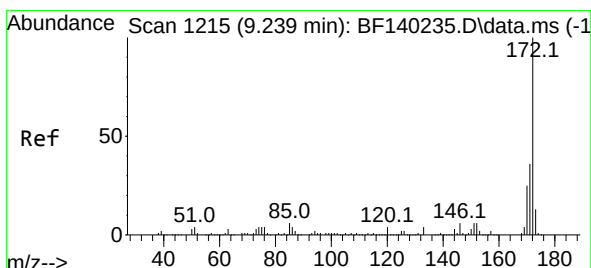
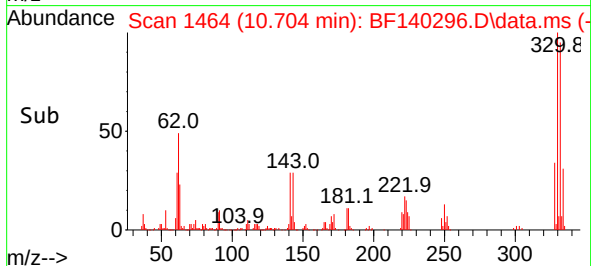
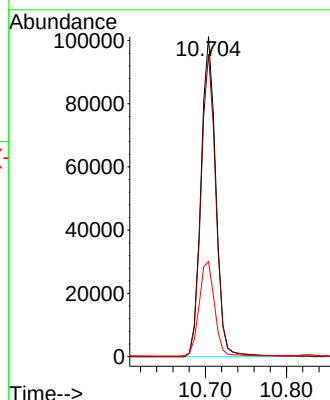
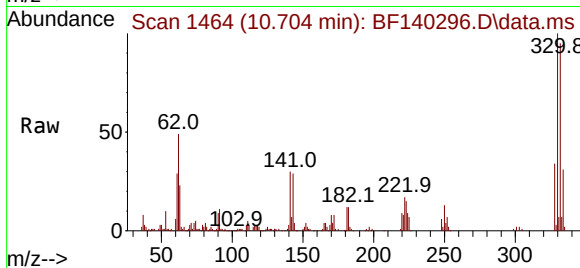
Tgt Ion:330 Resp: 127999

Ion Ratio Lower Upper

330 100

332 95.1 76.4 114.6

141 30.8 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 42.434 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

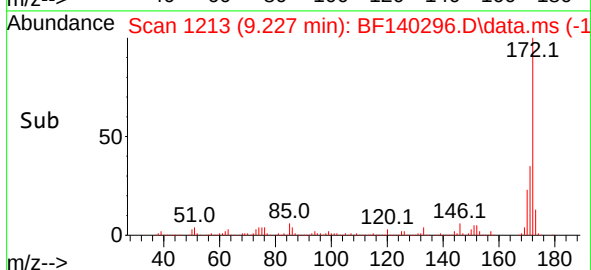
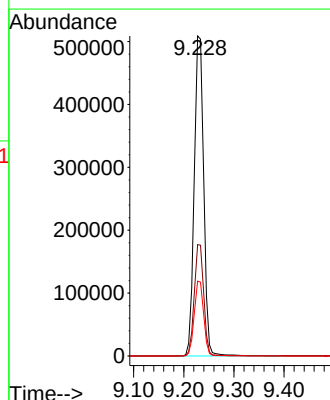
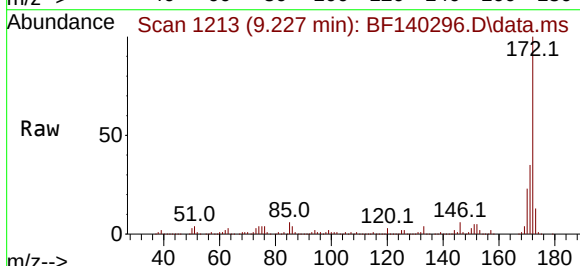
Tgt Ion:172 Resp: 667322

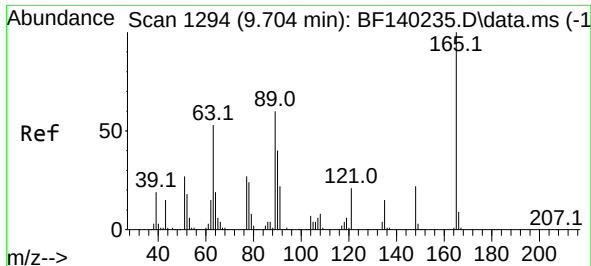
Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 23.4 19.6 29.4





#51

2,6-Dinitrotoluene

Concen: 9.207 ng

RT: 9.916 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

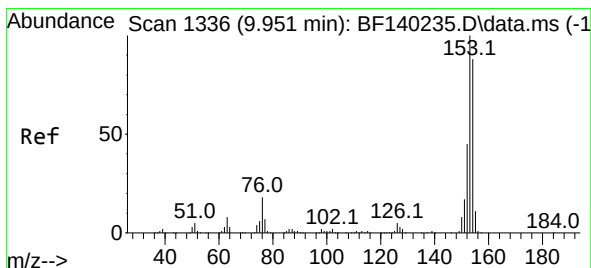
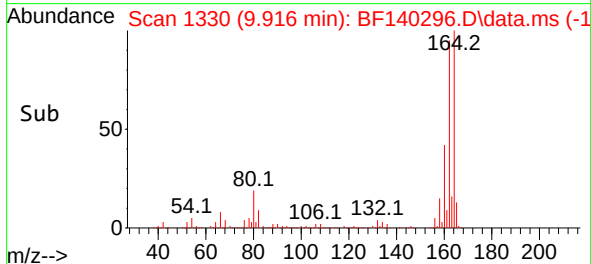
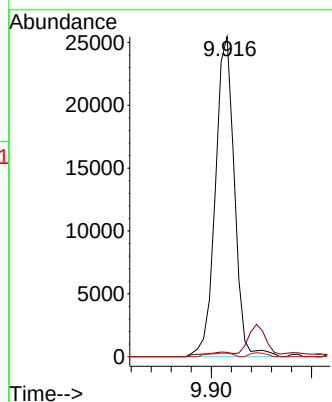
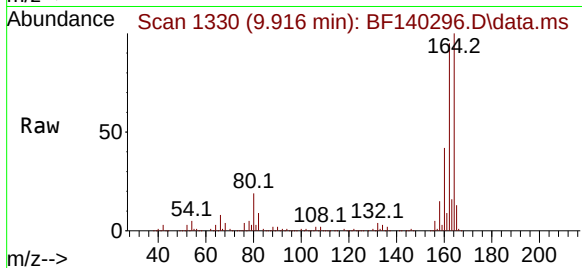
Tgt Ion:165 Resp: 33471

Ion Ratio Lower Upper

165 100

63 1.3 48.8 73.2#

89 1.1 48.1 72.1#



#52

Acenaphthene

Concen: 2.823 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

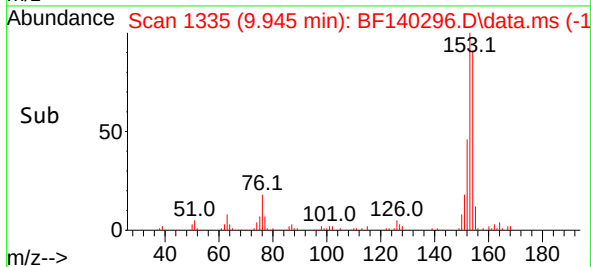
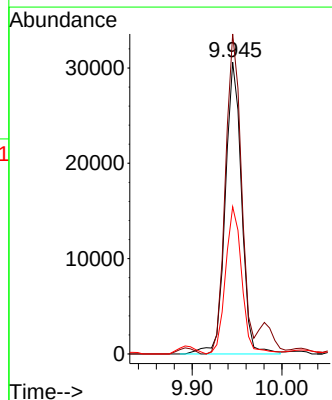
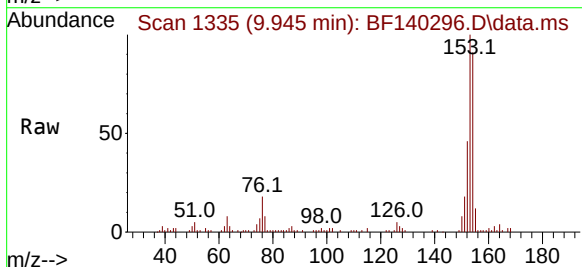
Tgt Ion:154 Resp: 38722

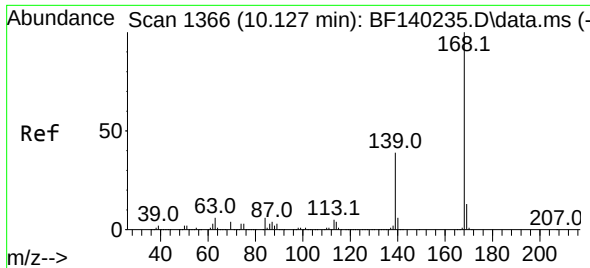
Ion Ratio Lower Upper

154 100

153 109.6 91.3 136.9

152 50.4 41.4 62.2

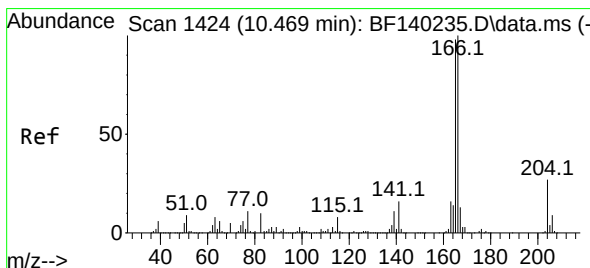
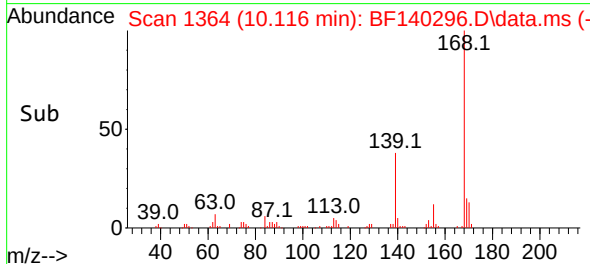
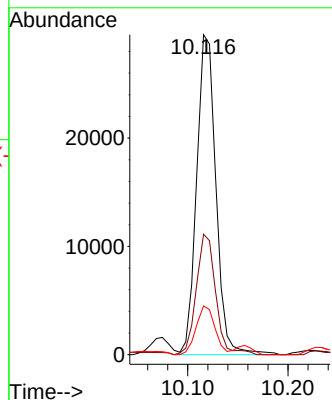
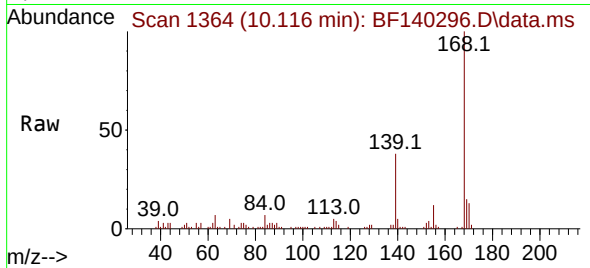




#55
Dibenzenofuran
Concen: 2.064 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

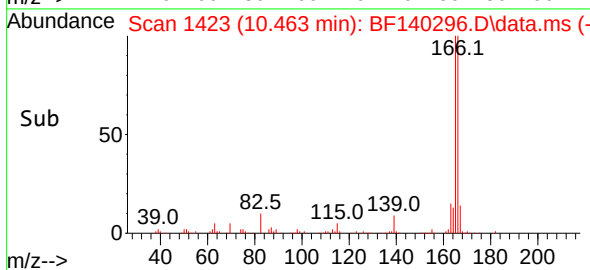
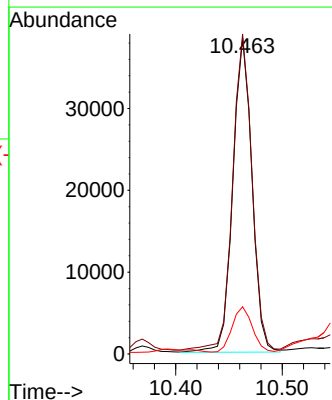
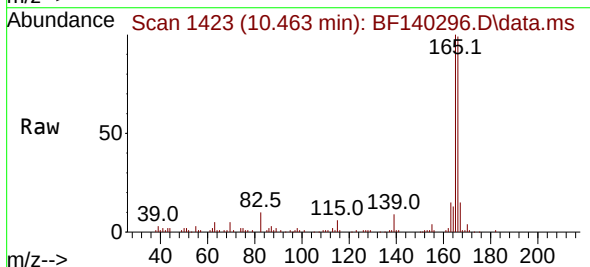
Instrument :
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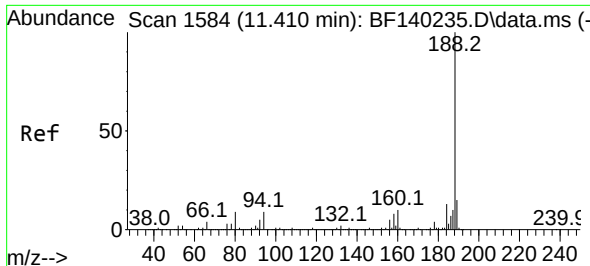
Tgt Ion:168 Resp: 39602
Ion Ratio Lower Upper
168 100
139 37.6 31.5 47.3
169 15.2 10.6 15.8



#58
Fluorene
Concen: 3.144 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion:166 Resp: 48011
Ion Ratio Lower Upper
166 100
165 101.3 78.7 118.1
167 14.9 10.8 16.2

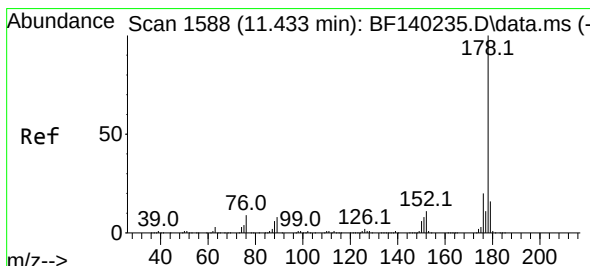
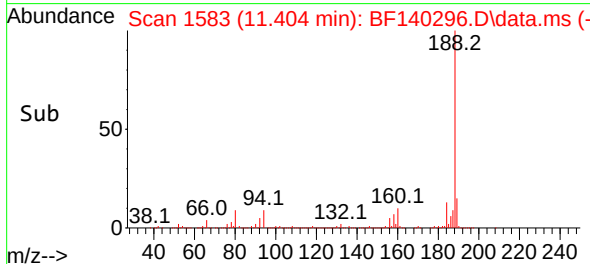
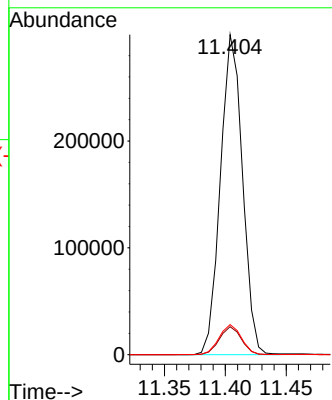
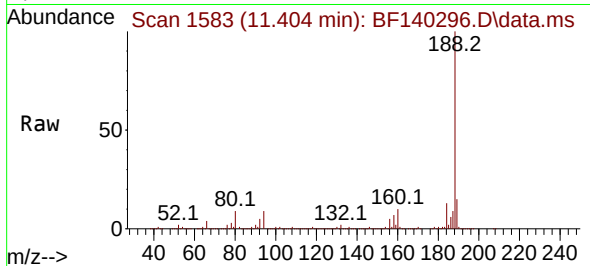




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

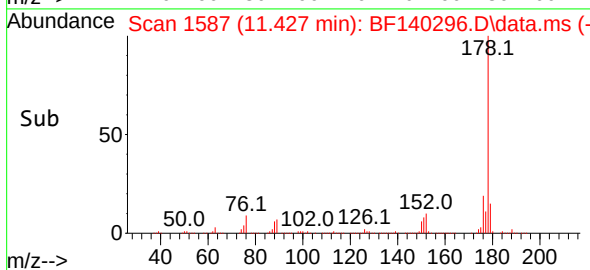
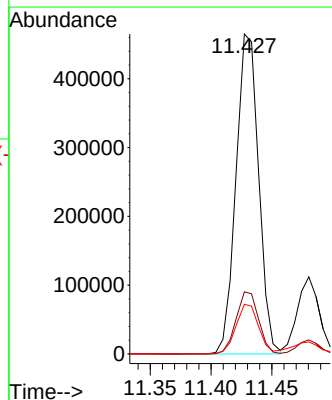
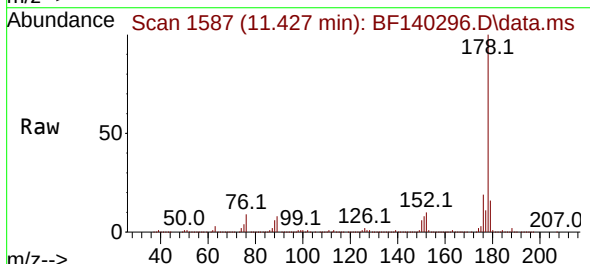
Instrument :
BNA_F
ClientSampleId :
Z-03ADL

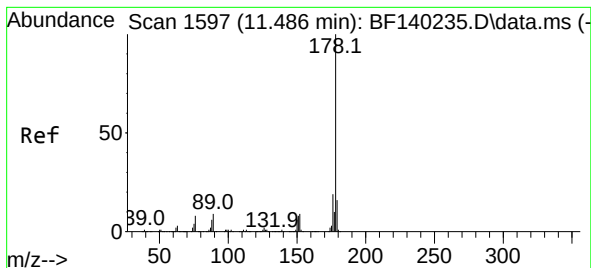
Tgt Ion:188 Resp: 378257
Ion Ratio Lower Upper
188 100
94 8.7 6.9 10.3
80 9.4 7.5 11.3



#71
Phenanthrene
Concen: 33.429 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion:178 Resp: 603444
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.5 12.6 18.8





#72

Anthracene

Concen: 7.960 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

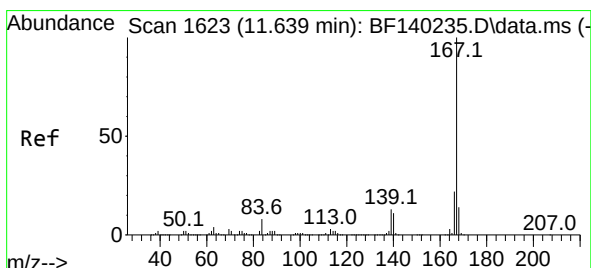
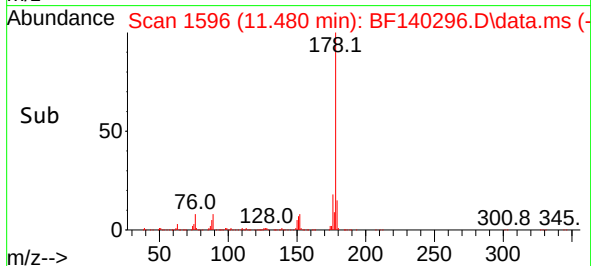
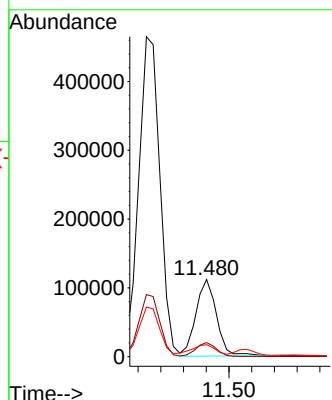
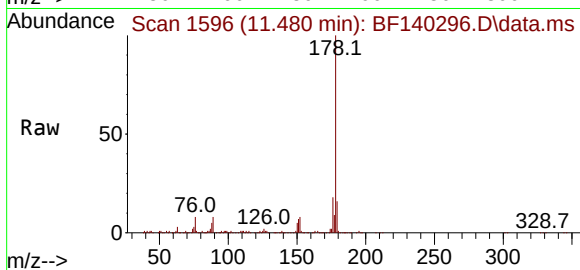
Tgt Ion:178 Resp: 140899

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 15.7 12.7 19.1



#73

Carbazole

Concen: 3.422 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

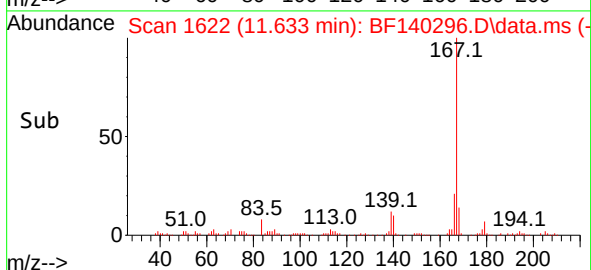
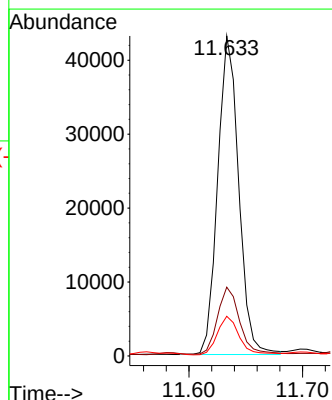
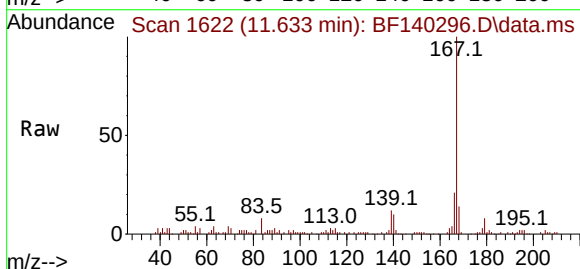
Tgt Ion:167 Resp: 55340

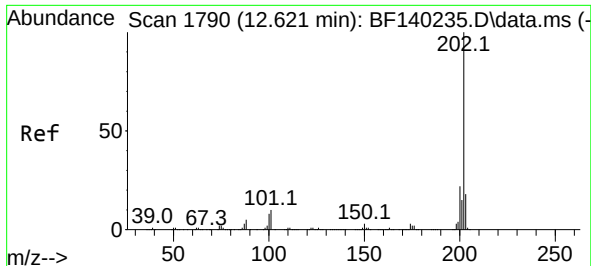
Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 12.4 10.7 16.1

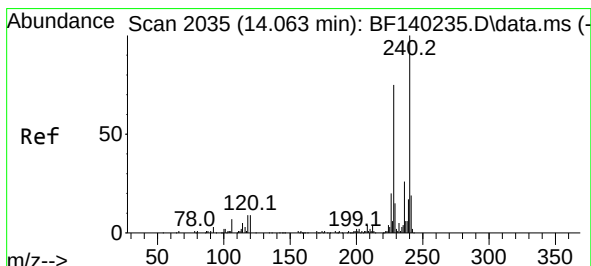
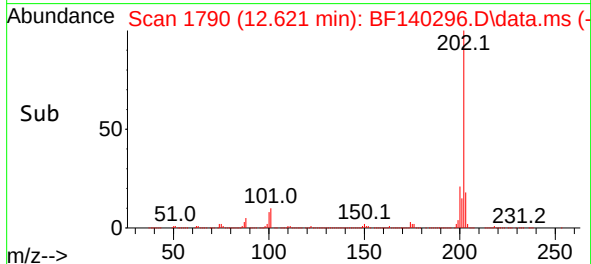
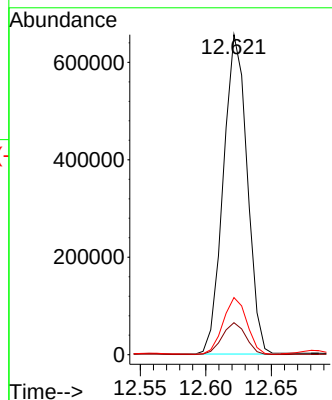
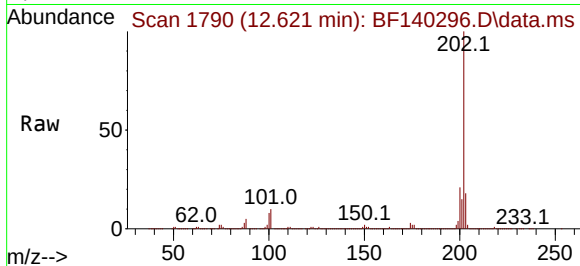




#75
Fluoranthene
Concen: 43.945 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

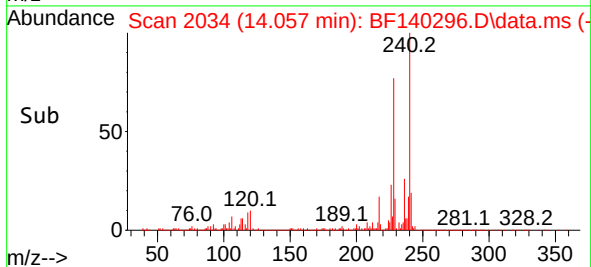
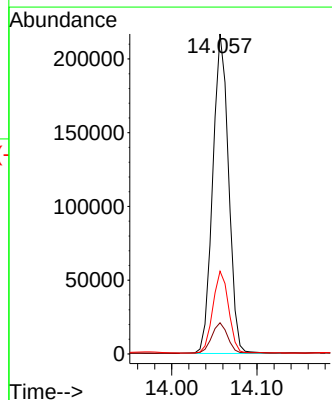
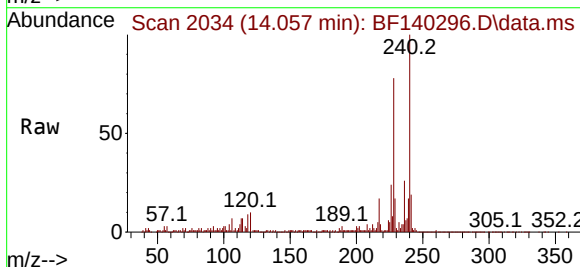
Instrument :
BNA_F
ClientSampleId :
Z-03ADL

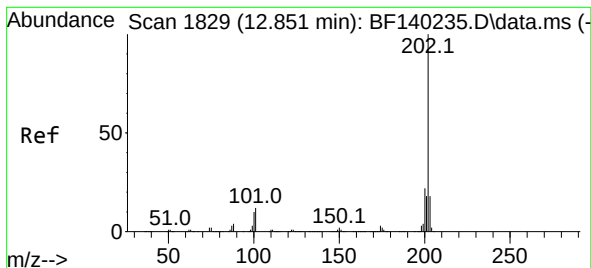
Tgt Ion:202 Resp: 829479
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.4
203 17.8 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion:240 Resp: 280284
Ion Ratio Lower Upper
240 100
120 9.7 7.5 11.3
236 25.9 20.9 31.3





#78

Pyrene

Concen: 32.586 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

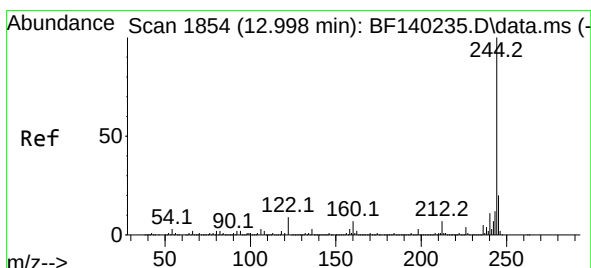
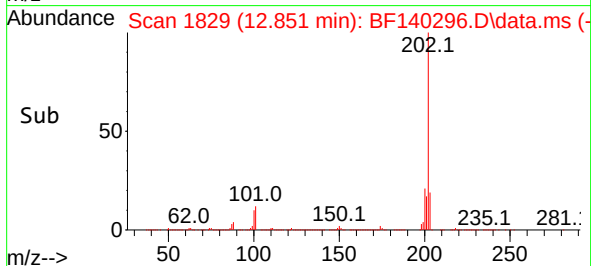
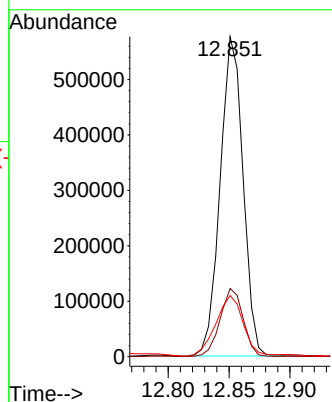
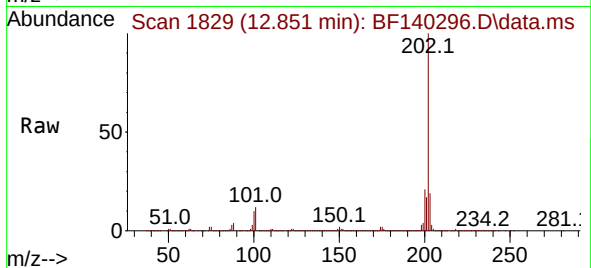
Tgt Ion:202 Resp: 754120

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

203 19.1 14.4 21.6



#79

Terphenyl-d14

Concen: 34.577 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

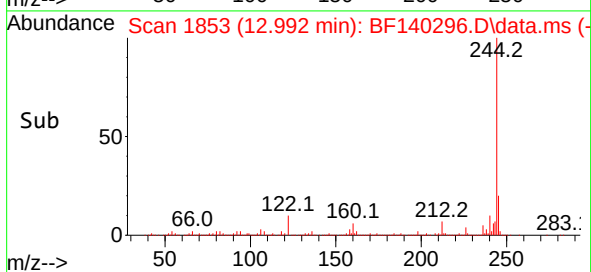
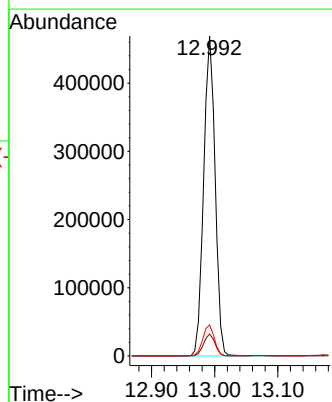
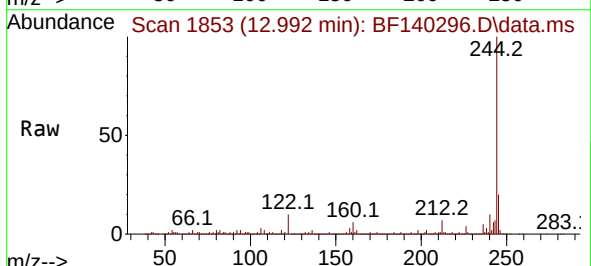
Tgt Ion:244 Resp: 591616

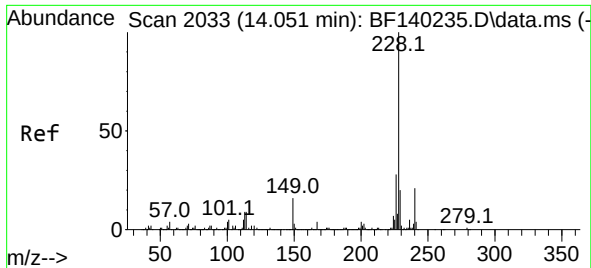
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.7 7.6 11.4

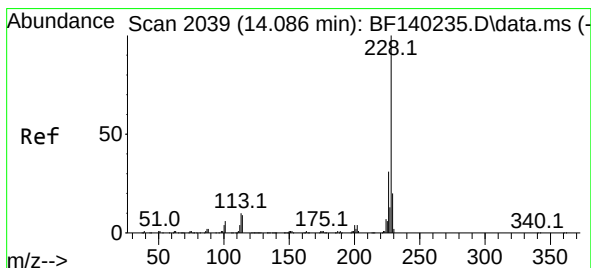
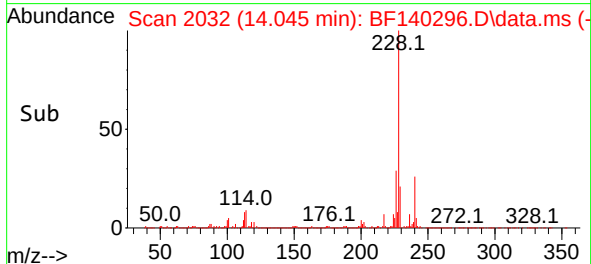
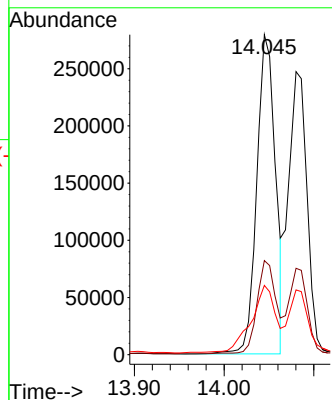
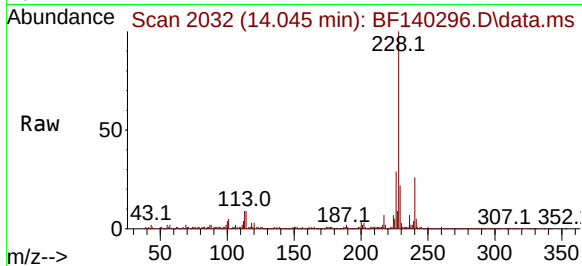




#81
Benzo(a)anthracene
Concen: 22.483 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

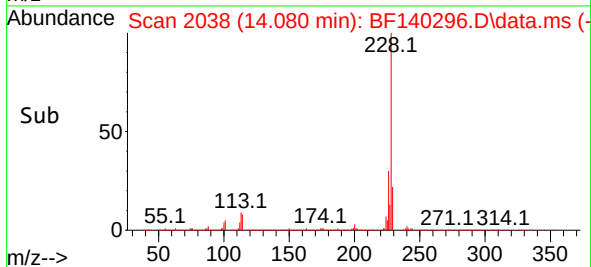
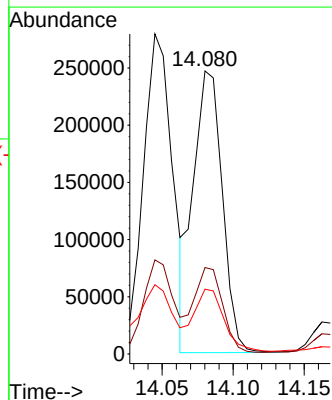
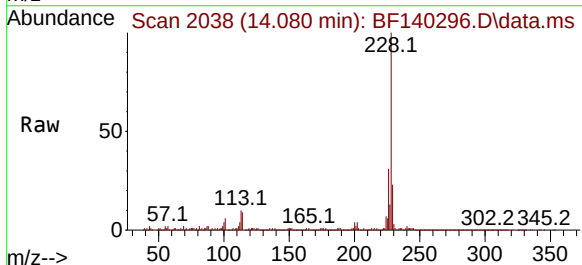
Instrument :
BNA_F
ClientSampleId :
Z-03ADL

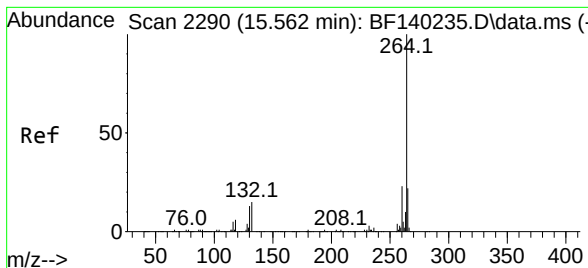
Tgt Ion:228 Resp: 404411
Ion Ratio Lower Upper
228 100
226 29.4 22.3 33.5
229 21.6 16.1 24.1



#83
Chrysene
Concen: 20.874 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion:228 Resp: 351608
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 22.9 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

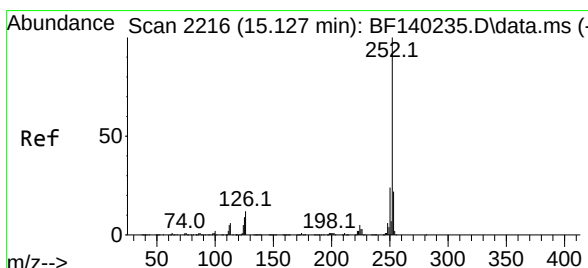
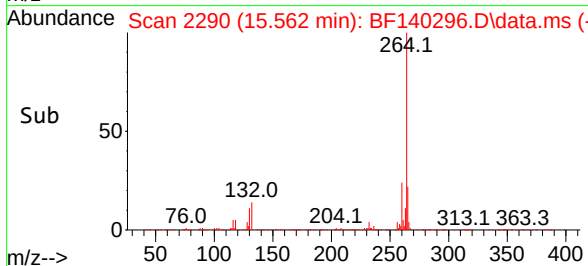
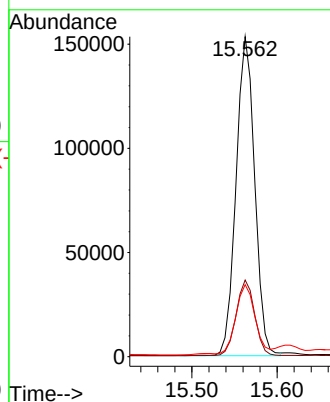
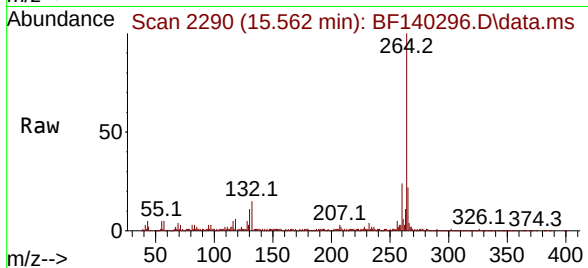
Tgt Ion:264 Resp: 232516

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.5 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 34.348 ng

RT: 15.127 min Scan# 2216

Delta R.T. -0.000 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

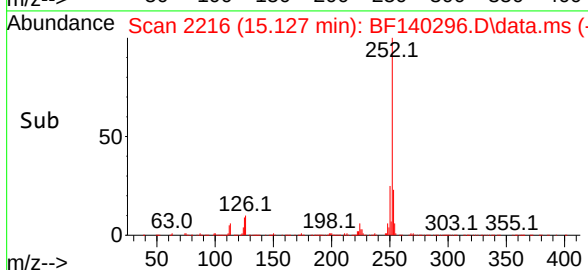
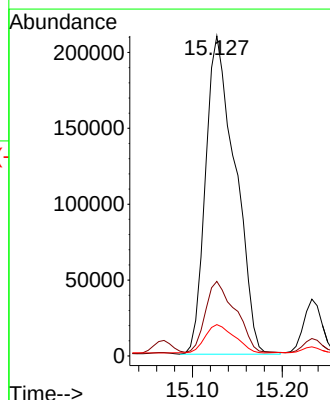
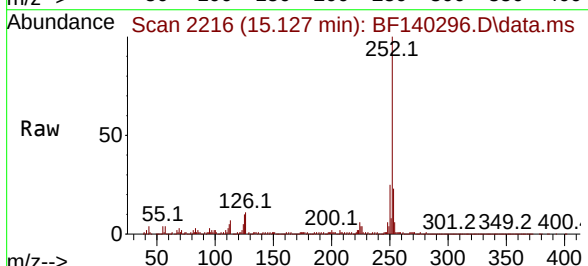
Tgt Ion:252 Resp: 483079

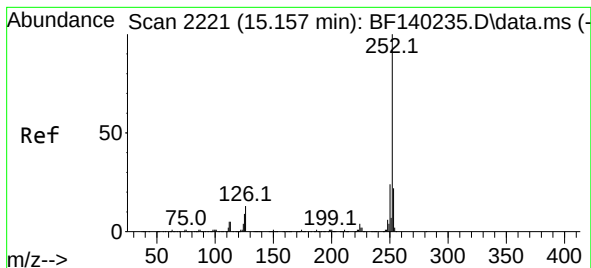
Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 9.8 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 37.432 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

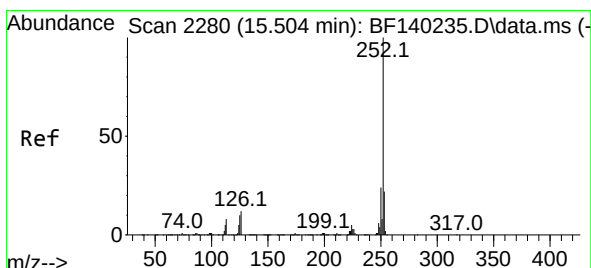
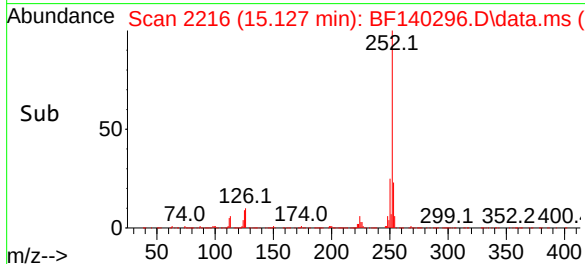
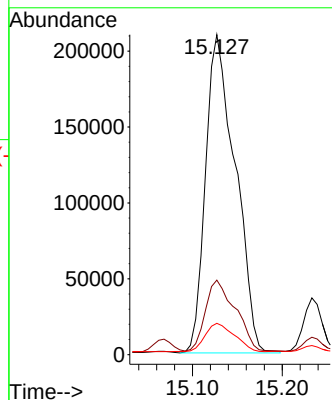
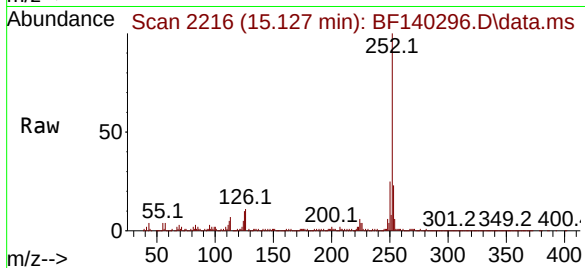
Tgt Ion:252 Resp: 483079

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 9.8 7.2 10.8



#90

Benzo(a)pyrene

Concen: 21.182 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

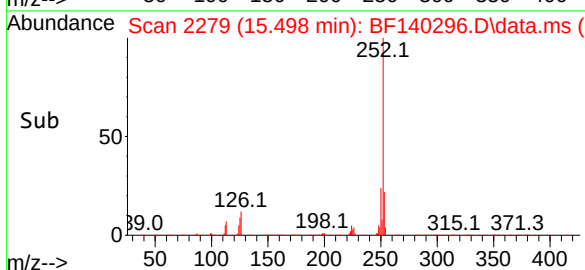
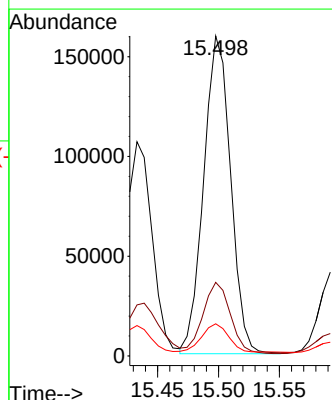
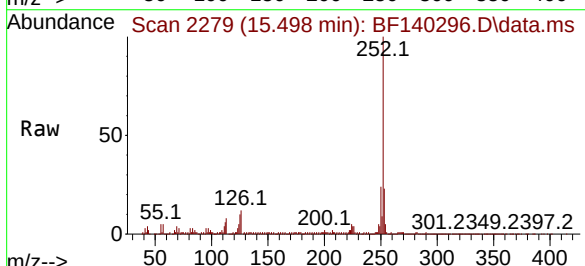
Tgt Ion:252 Resp: 245620

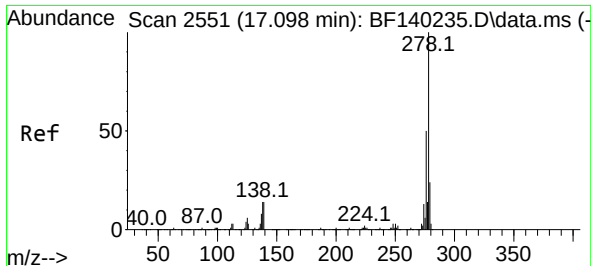
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 10.1 7.6 11.4

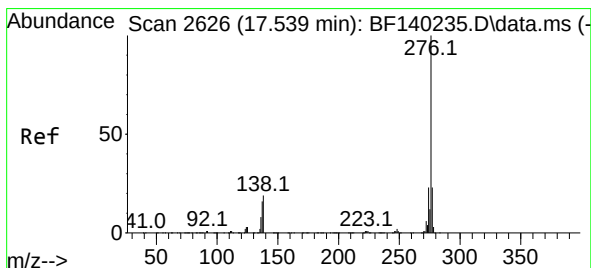
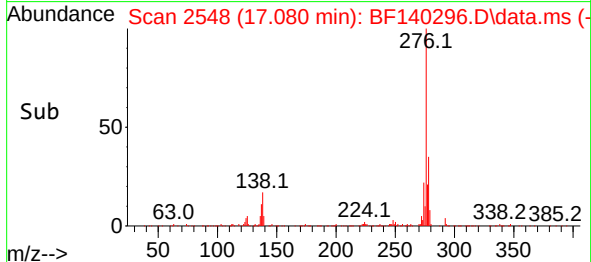
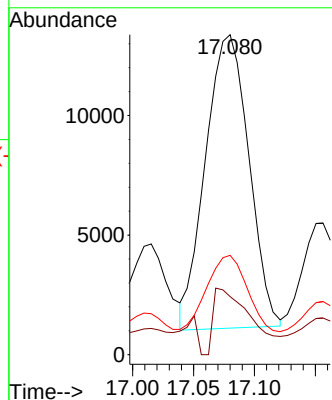
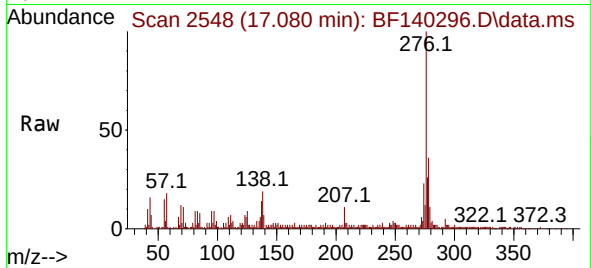




#91
Dibenzo(a,h)anthracene
Concen: 2.705 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Instrument :
BNA_F
ClientSampleId :
Z-03ADL

Tgt Ion:278 Resp: 30380
Ion Ratio Lower Upper
278 100
139 18.1 11.1 16.7#
279 31.1 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 10.062 ng
RT: 17.527 min Scan# 2624
Delta R.T. -0.012 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion:276 Resp: 115264
Ion Ratio Lower Upper
276 100
277 24.2 18.8 28.2
138 17.9 15.3 22.9

