

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140304.D
 Acq On : 08 Nov 2024 17:36
 Operator : RC/JU
 Sample : P4739-13 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11

Quant Time: Nov 08 21:47:15 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)

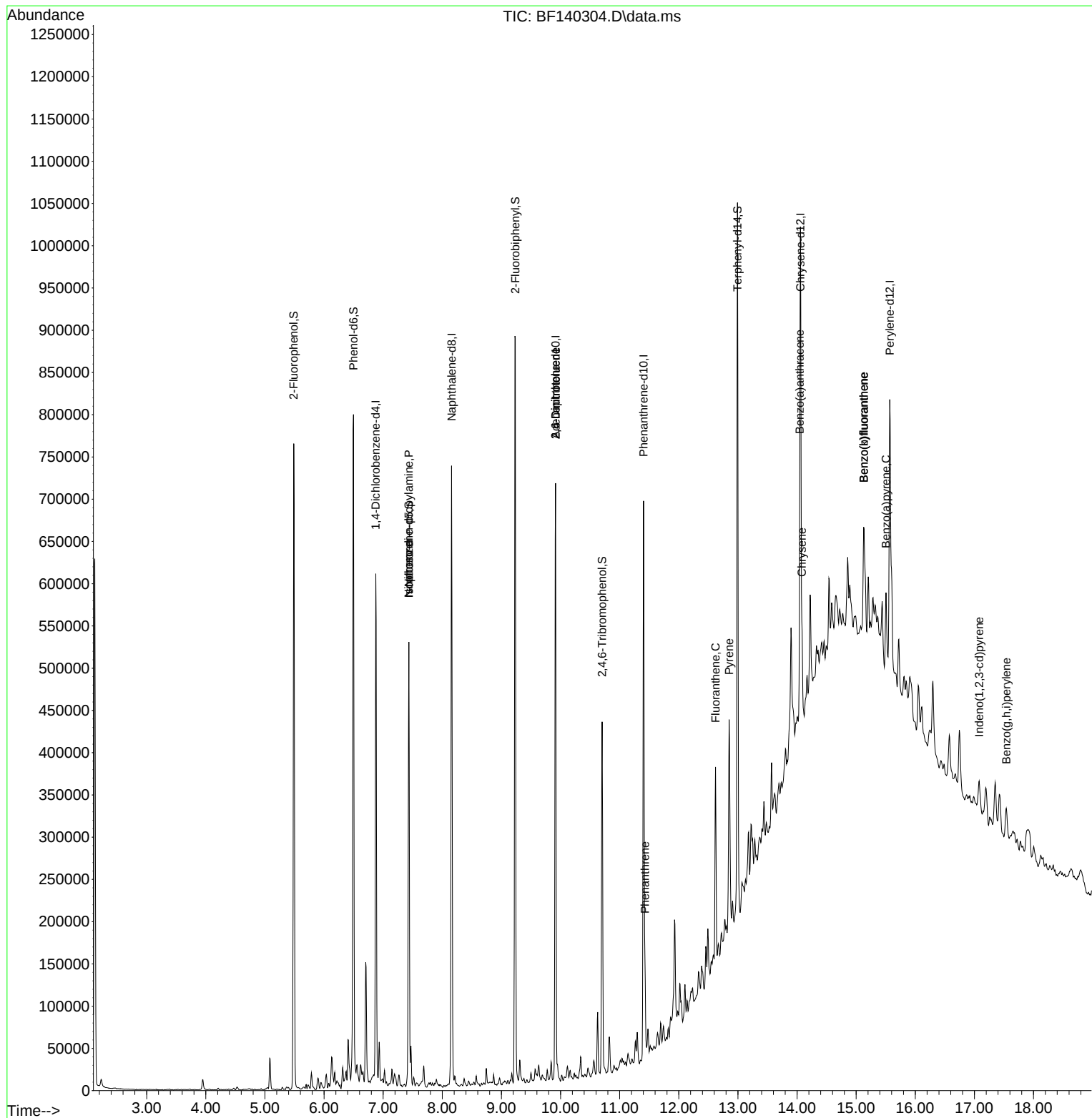
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	120884	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	437838	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	216596	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	349249	20.000	ng	0.00
76) Chrysene-d12	14.057	240	251618	20.000	ng	0.00
86) Perylene-d12	15.568	264	196092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	278159	38.133	ng	0.00
7) Phenol-d6	6.498	99	358130	38.170	ng	0.00
23) Nitrobenzene-d5	7.434	82	220736	25.065	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	71209	33.261	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	411319	30.324	ng	0.00
79) Terphenyl-d14	12.992	244	412653	26.865	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	32738	5.469	ng	# 75
25) Isophorone	7.434	82	216852	14.301	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	28980	9.242	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	28981	7.123	ng	# 20
71) Phenanthrene	11.428	178	55430	3.326	ng	99
75) Fluoranthene	12.622	202	137217	7.873	ng	98
78) Pyrene	12.851	202	130782	6.295	ng	97
81) Benzo(a)anthracene	14.045	228	75426	4.671	ng	# 92
83) Chrysene	14.080	228	68584	4.536	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.080	276	31506	2.737	ng	95
88) Benzo(b)fluoranthene	15.127	252	98412	8.297	ng	# 82
89) Benzo(k)fluoranthene	15.127	252	98412	9.042	ng	# 82
90) Benzo(a)pyrene	15.504	252	53308	5.451	ng	# 86
92) Benzo(g,h,i)perylene	17.539	276	33546	3.472	ng	# 91

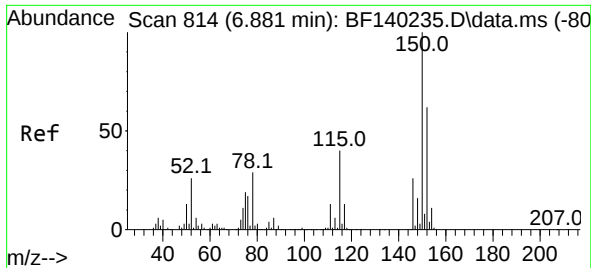
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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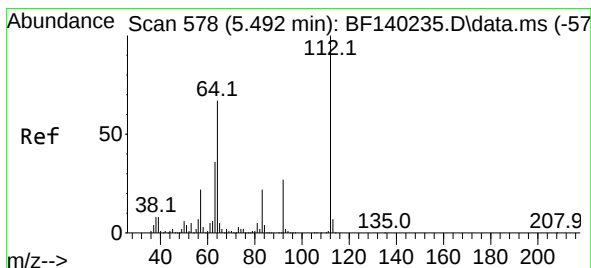
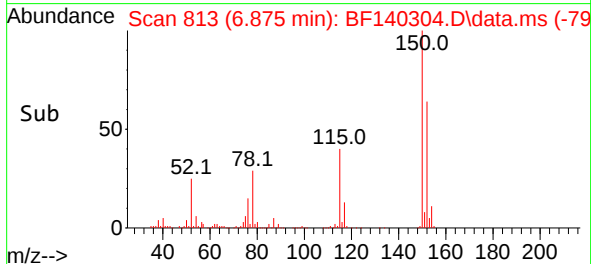
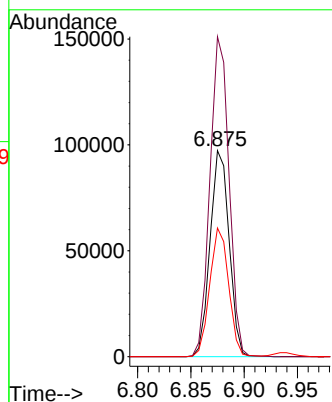
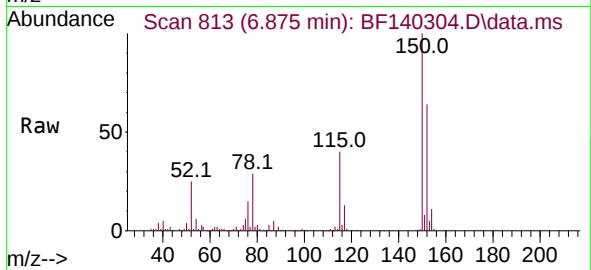




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

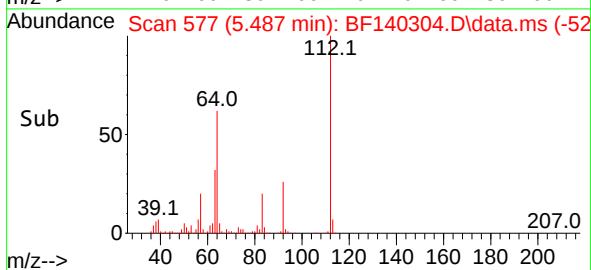
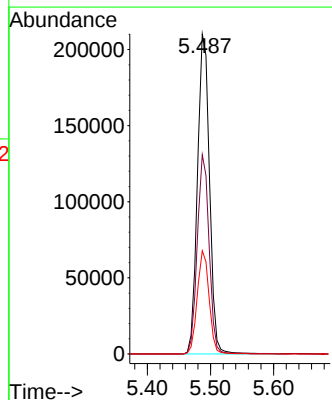
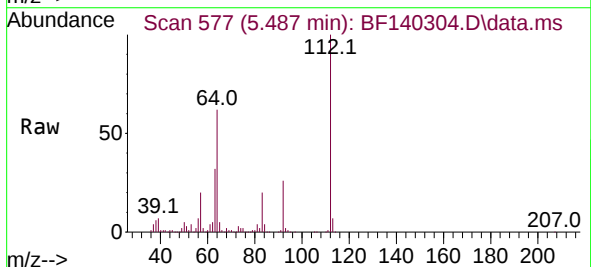
Instrument :
BNA_F
ClientSampleId :
TP-11

Tgt Ion:152 Resp: 120884
Ion Ratio Lower Upper
152 100
150 155.3 129.4 194.2
115 62.5 51.5 77.3



#5
2-Fluorophenol
Concen: 38.133 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Tgt Ion:112 Resp: 278159
Ion Ratio Lower Upper
112 100
64 62.3 53.4 80.2
63 32.3 28.9 43.3

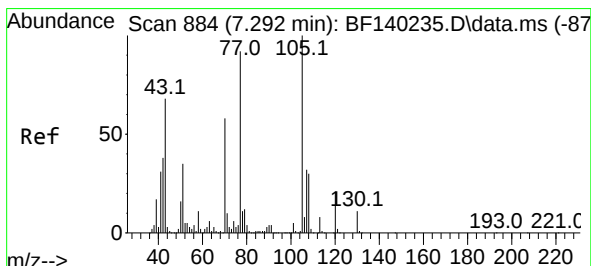
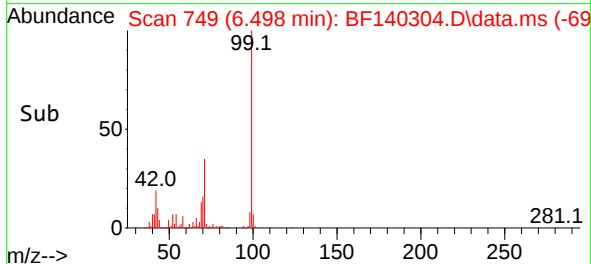
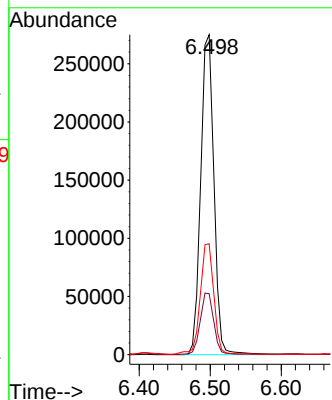
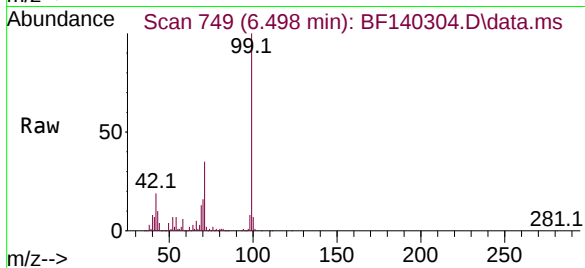




#7
Phenol-d6
Concen: 38.170 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

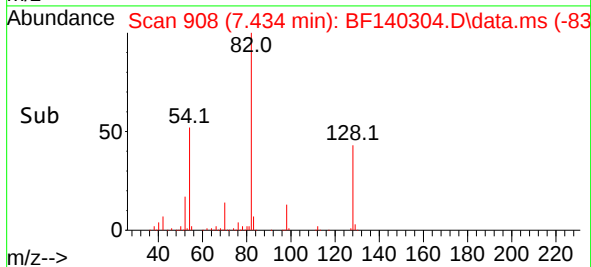
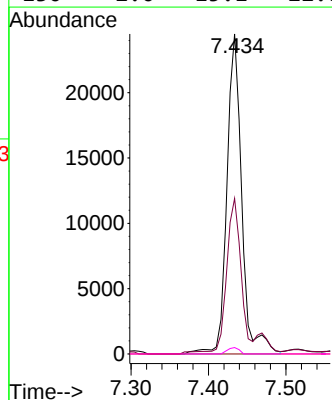
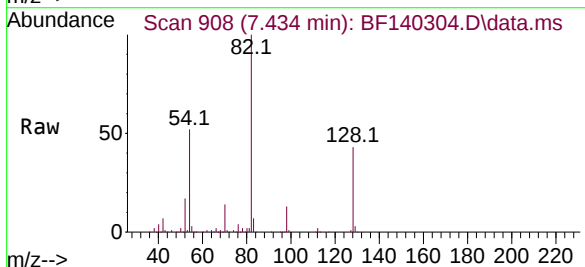
Instrument :
BNA_F
ClientSampleId :
TP-11

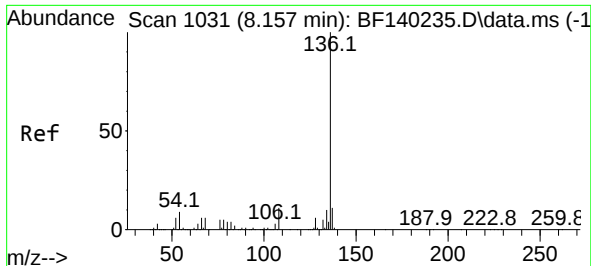
Tgt Ion: 99 Resp: 358130
Ion Ratio Lower Upper
99 100
42 19.1 18.2 27.2
71 34.7 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.469 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Tgt Ion: 70 Resp: 32738
Ion Ratio Lower Upper
70 100
42 48.6 52.8 79.2#
101 0.0 7.4 11.2#
130 2.0 15.1 22.7#



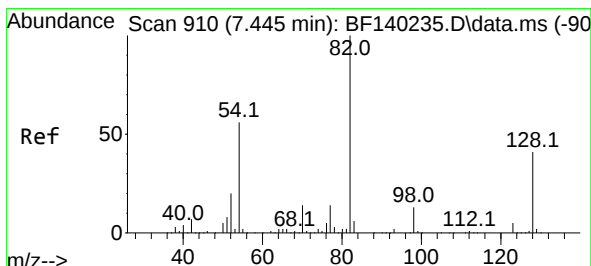
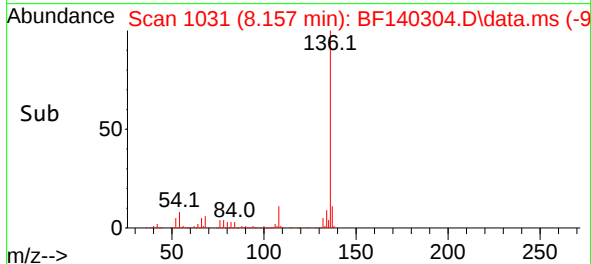
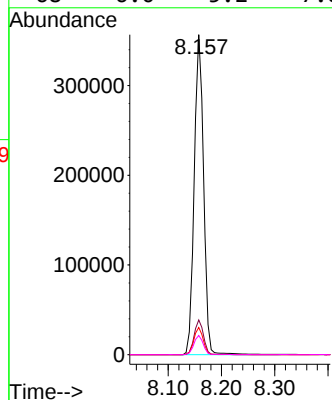
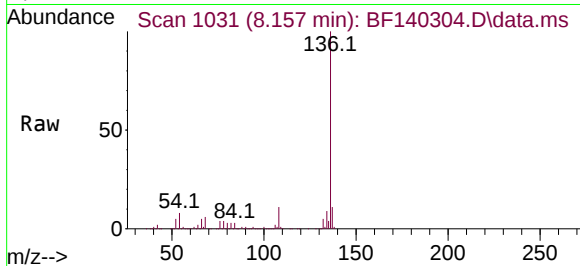


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Instrument :
BNA_F
ClientSampleId :
TP-11

Tgt Ion:136 Resp: 437838

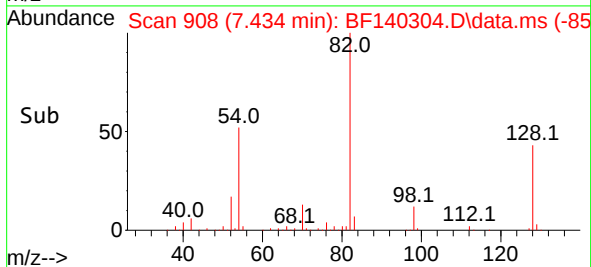
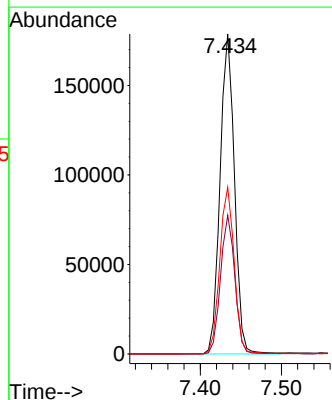
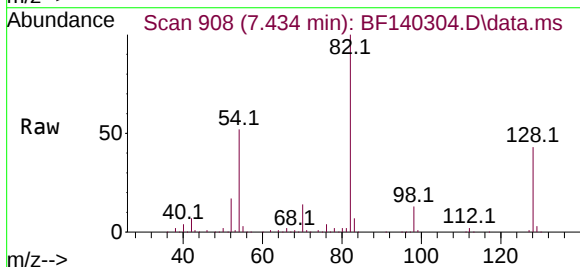
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	8.5	7.7	11.5
68	6.0	5.2	7.8

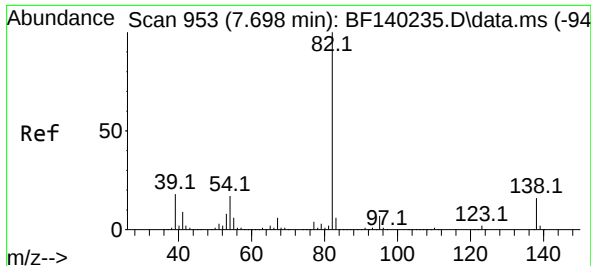


#23
Nitrobenzene-d5
Concen: 25.065 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Tgt Ion: 82 Resp: 220736

Ion	Ratio	Lower	Upper
82	100		
128	43.4	32.8	49.2
54	52.1	44.3	66.5

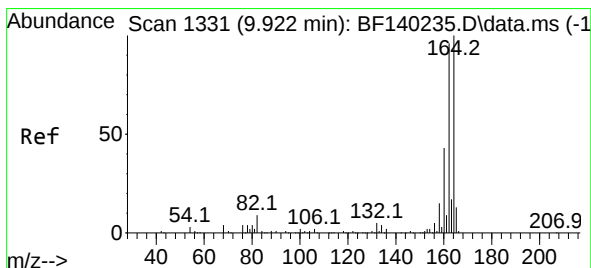
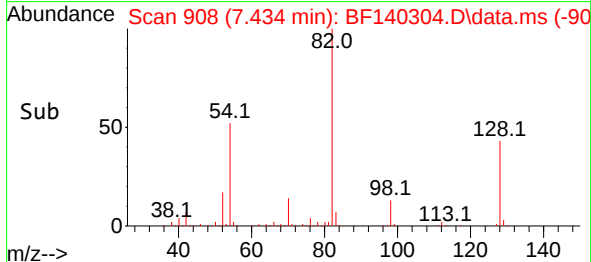
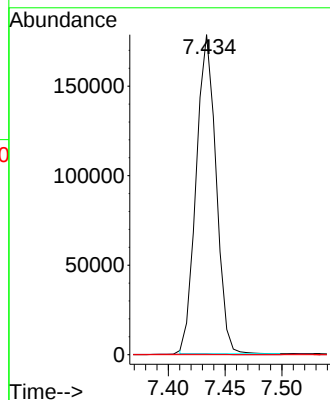
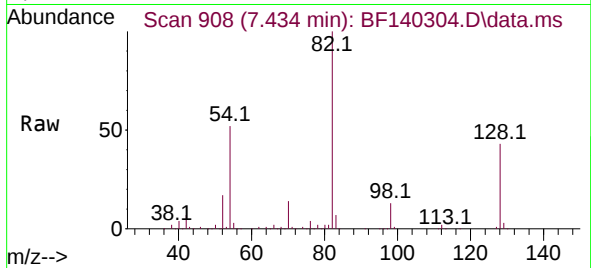




#25
Isophorone
Concen: 14.301 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

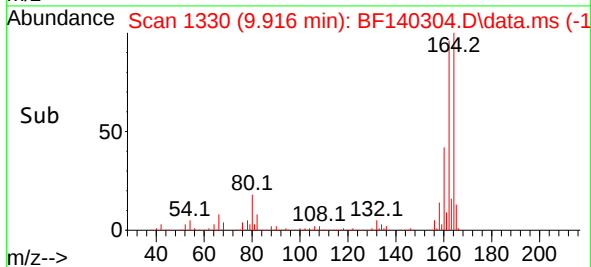
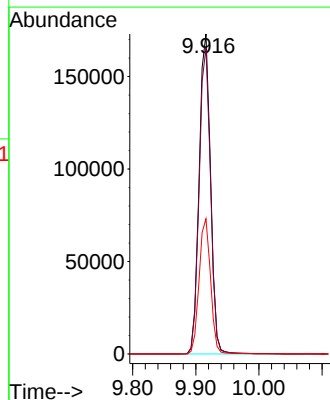
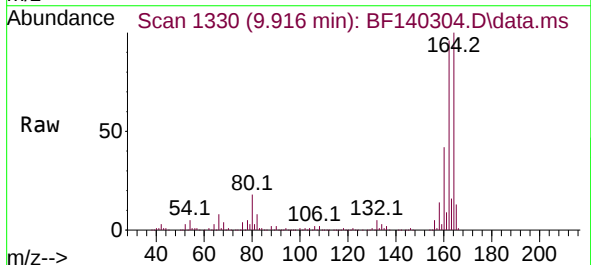
Instrument :
BNA_F
ClientSampleId :
TP-11

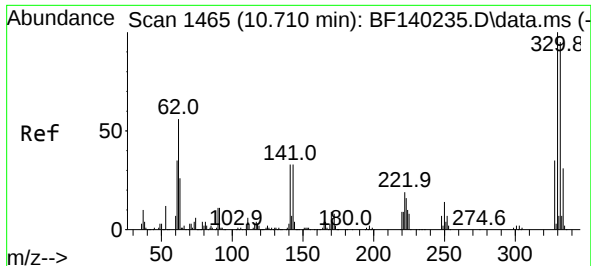
Tgt Ion: 82 Resp: 216852
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Tgt Ion: 164 Resp: 216596
Ion Ratio Lower Upper
164 100
162 95.6 77.0 115.4
160 42.2 34.1 51.1

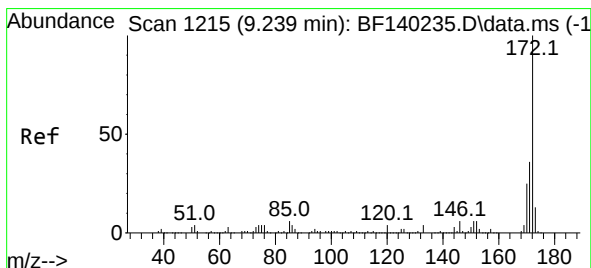
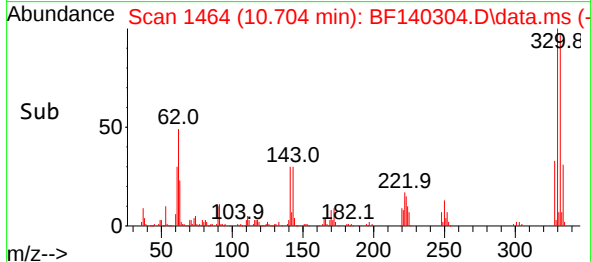
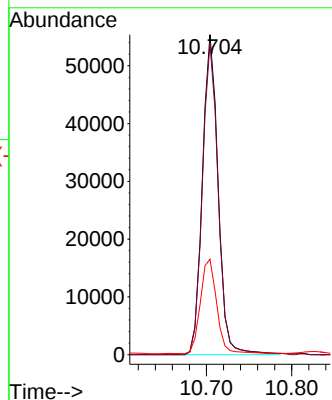
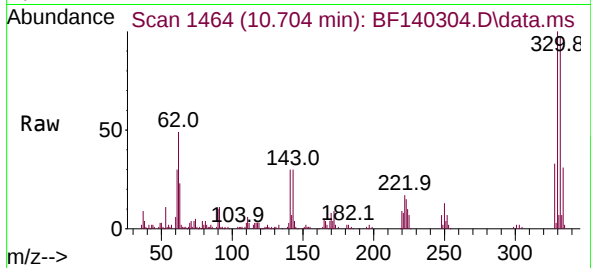




#42
2,4,6-Tribromophenol
Concen: 33.261 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

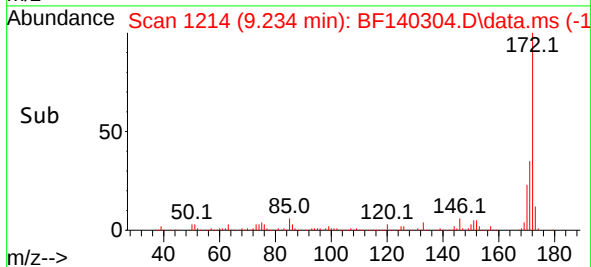
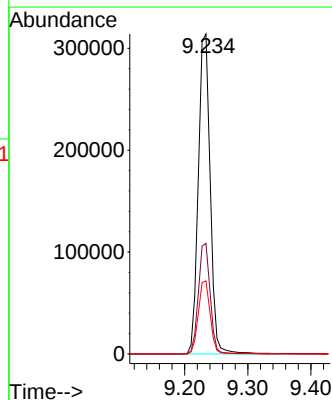
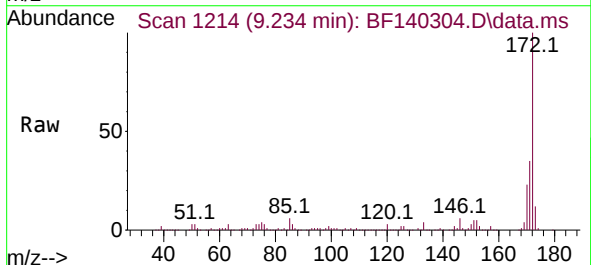
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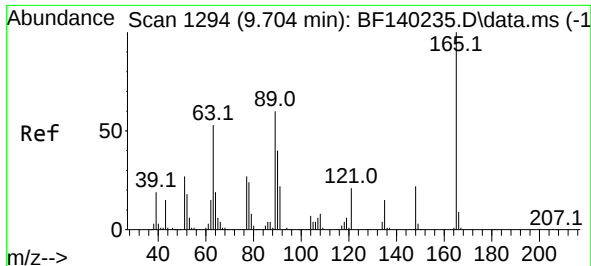
Tgt Ion:330 Resp: 71209
Ion Ratio Lower Upper
330 100
332 97.4 76.4 114.6
141 31.3 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 30.324 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Tgt Ion:172 Resp: 411319
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 22.8 19.6 29.4

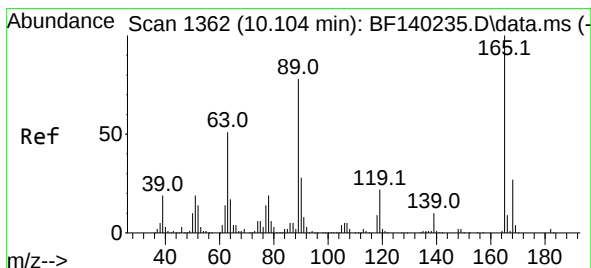
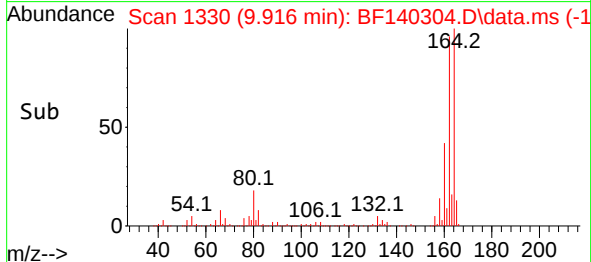
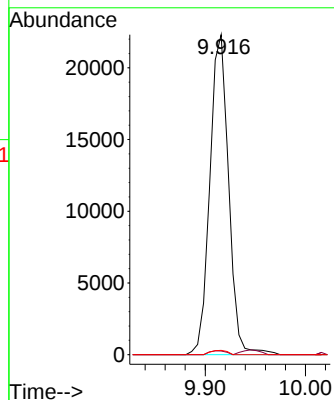
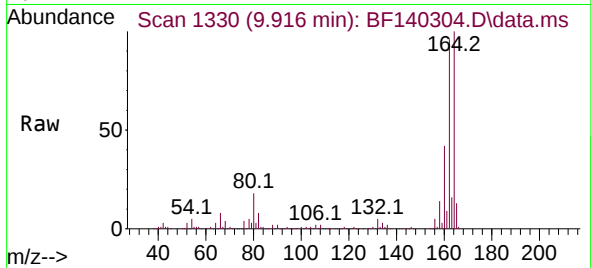




#51
2,6-Dinitrotoluene
Concen: 9.242 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

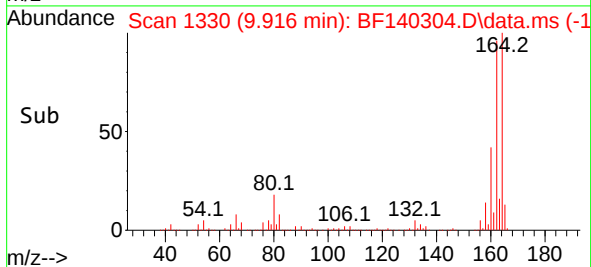
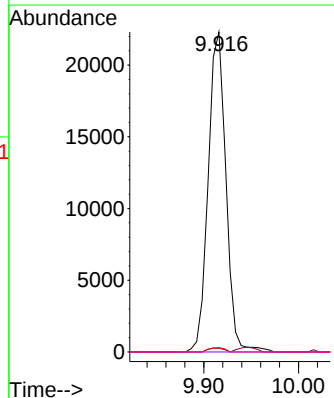
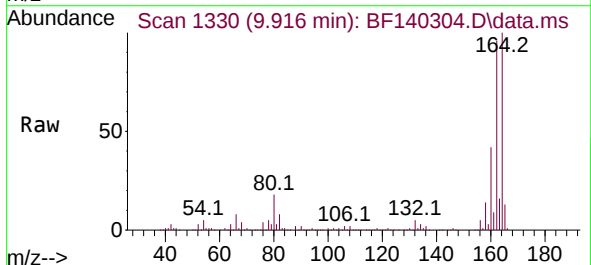
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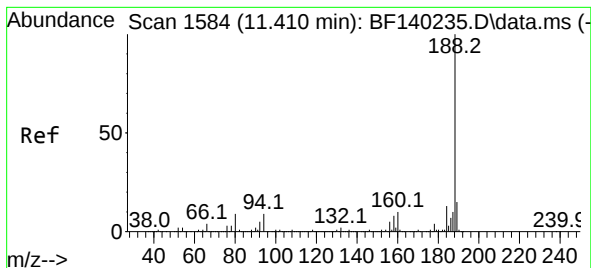
Tgt Ion:165 Resp: 28980
Ion Ratio Lower Upper
165 100
63 1.1 48.8 73.2#
89 1.4 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 7.123 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Tgt Ion:165 Resp: 28981
Ion Ratio Lower Upper
165 100
63 1.1 41.3 61.9#
89 1.4 62.6 94.0#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-11

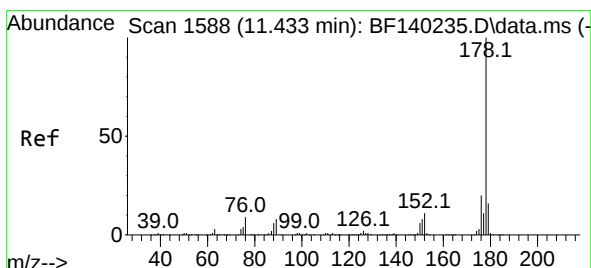
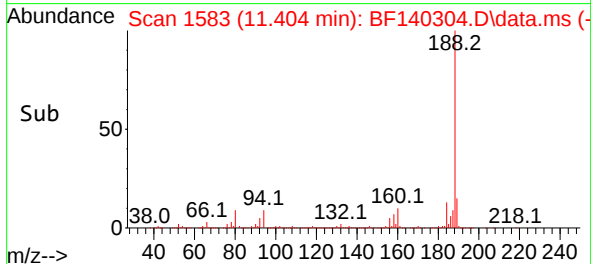
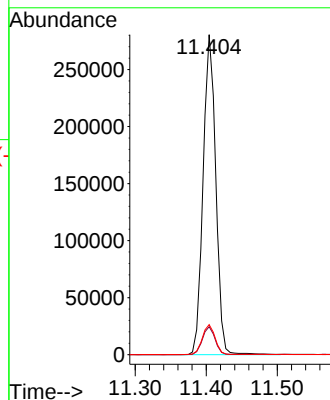
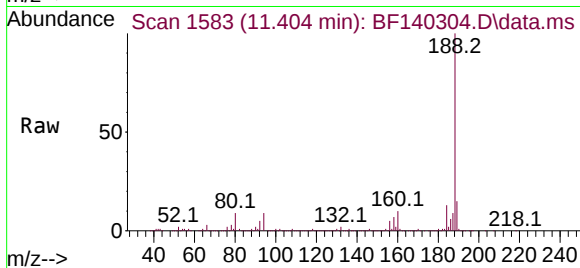
Tgt Ion:188 Resp: 349249

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

80 9.4 7.5 11.3



#71

Phenanthrene

Concen: 3.326 ng

RT: 11.428 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

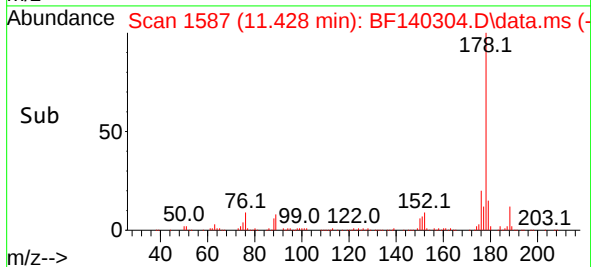
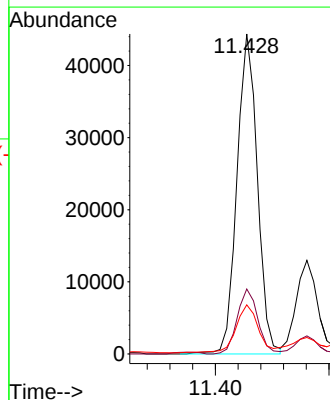
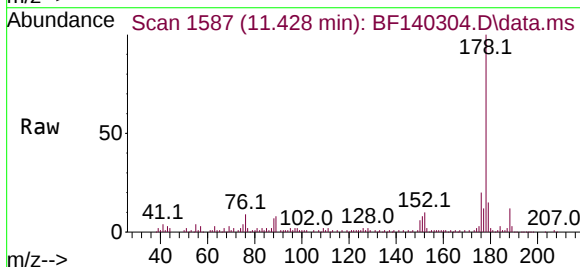
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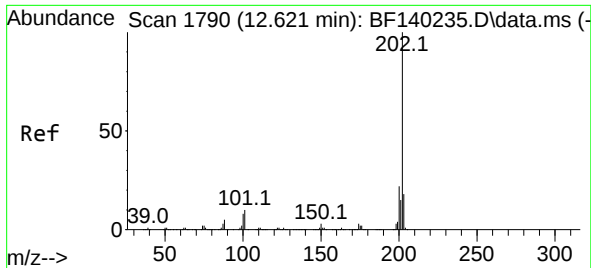
Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

179 15.4 12.6 18.8

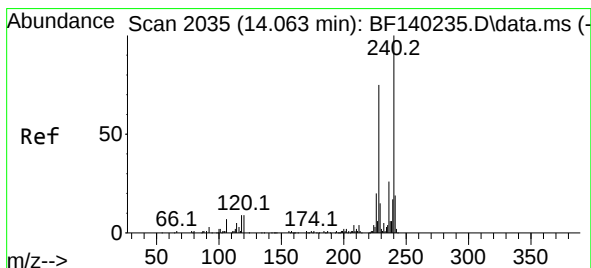
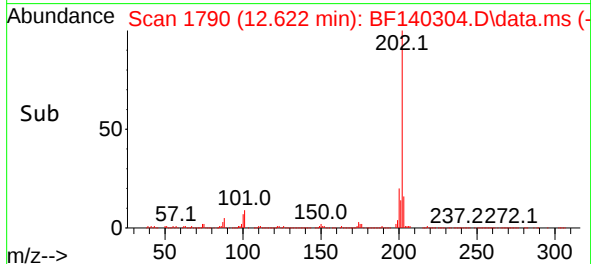
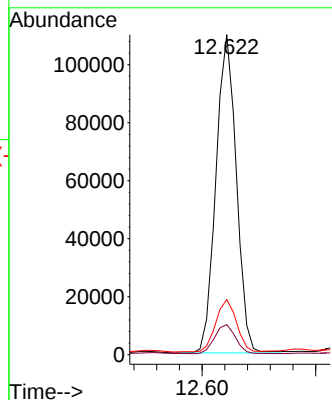
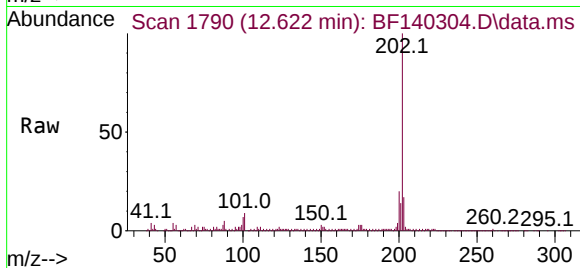




#75
Fluoranthene
Concen: 7.873 ng
RT: 12.622 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

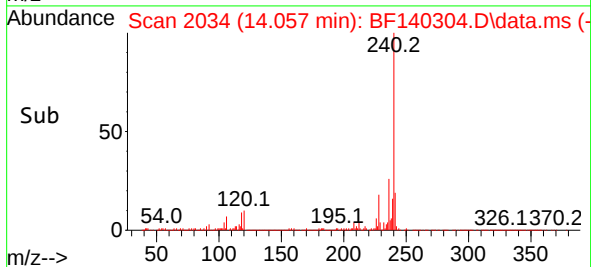
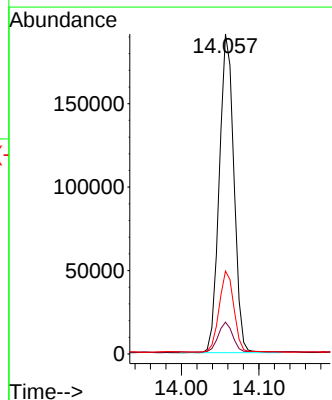
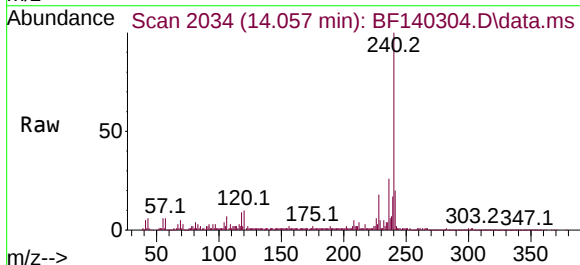
Instrument :
BNA_F
ClientSampleId :
TP-11

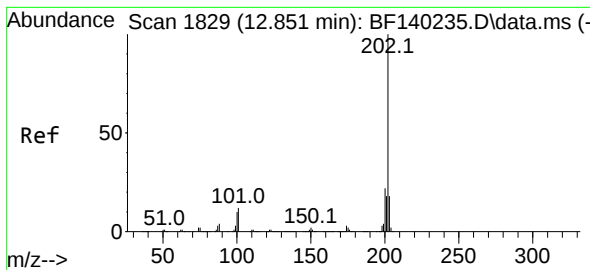
Tgt Ion:202 Resp: 137217
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.4
203 17.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Tgt Ion:240 Resp: 251618
Ion Ratio Lower Upper
240 100
120 10.0 7.5 11.3
236 25.9 20.9 31.3





#78

Pyrene

Concen: 6.295 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-11

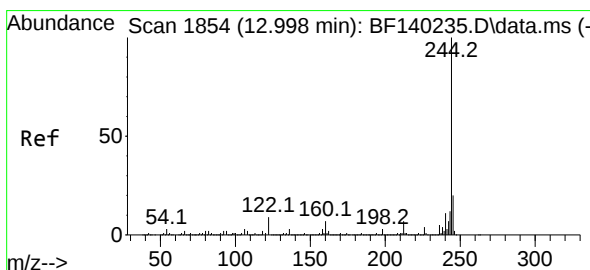
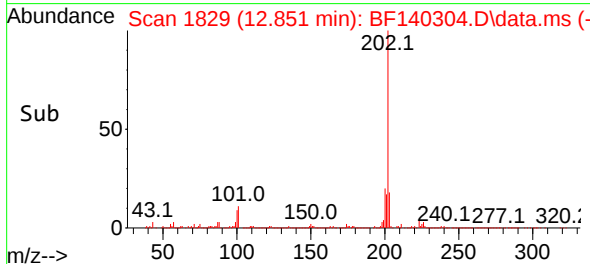
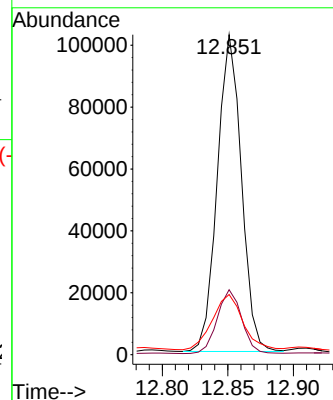
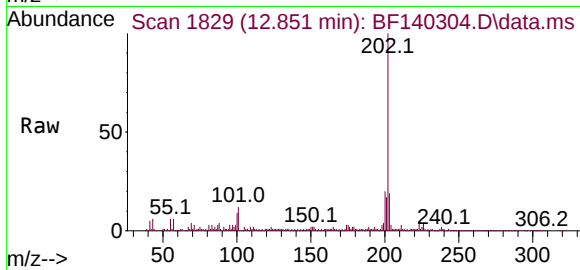
Tgt Ion:202 Resp: 130782

Ion Ratio Lower Upper

202 100

200 20.3 17.5 26.3

203 18.8 14.4 21.6



#79

Terphenyl-d14

Concen: 26.865 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

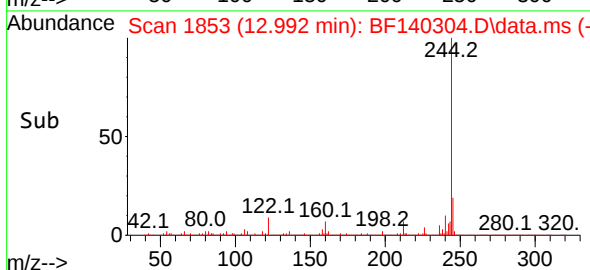
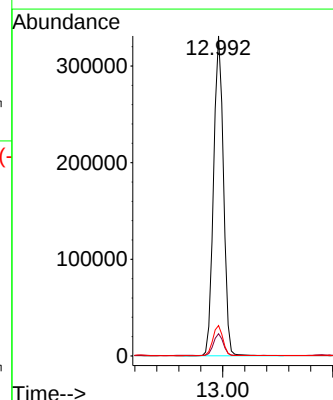
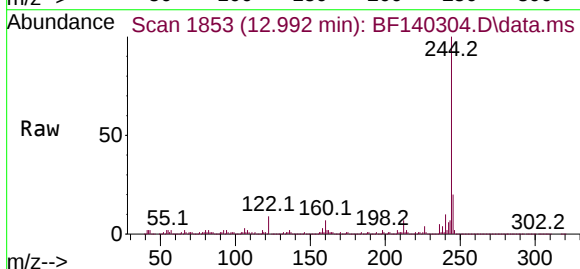
Tgt Ion:244 Resp: 412653

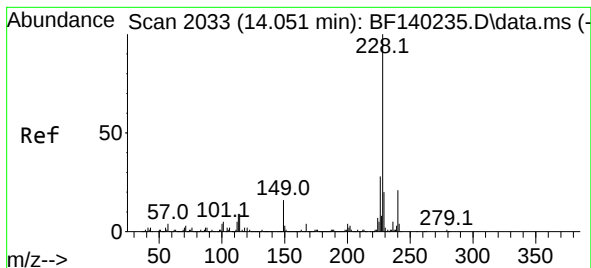
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.5 7.6 11.4





#81

Benzo(a)anthracene

Concen: 4.671 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-11

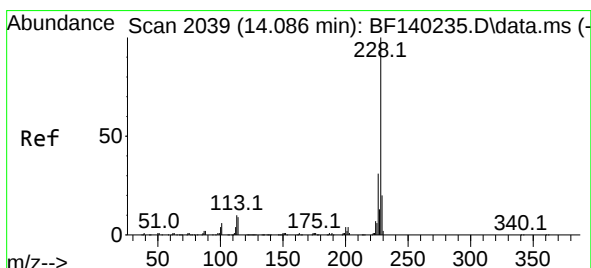
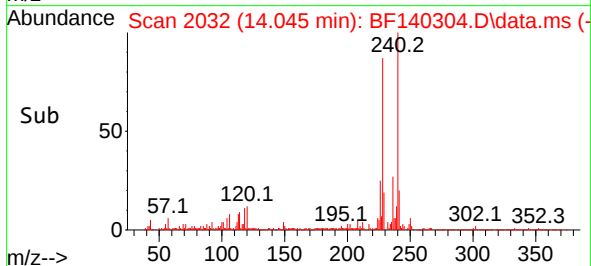
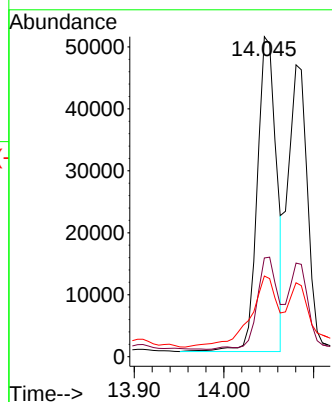
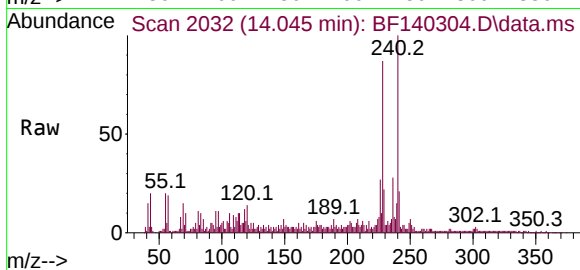
Tgt Ion:228 Resp: 75426

Ion Ratio Lower Upper

228 100

226 30.9 22.3 33.5

229 25.2 16.1 24.1#



#83

Chrysene

Concen: 4.536 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

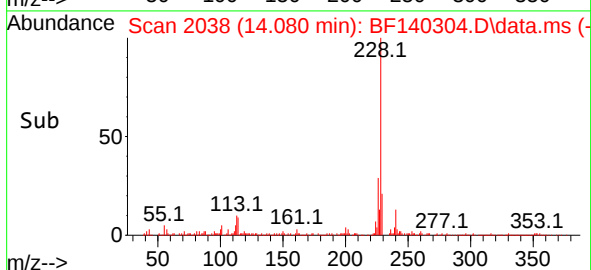
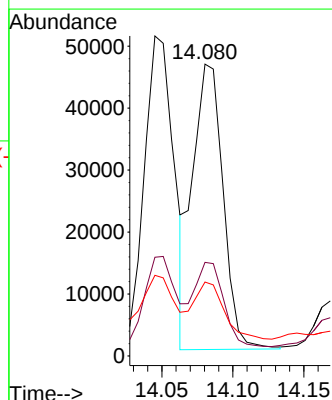
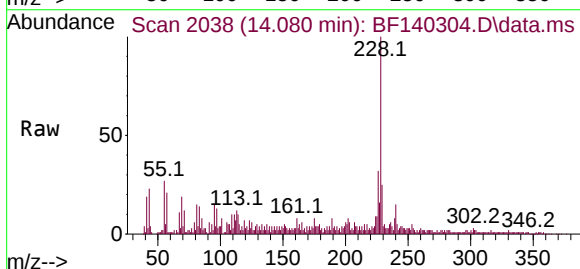
Tgt Ion:228 Resp: 68584

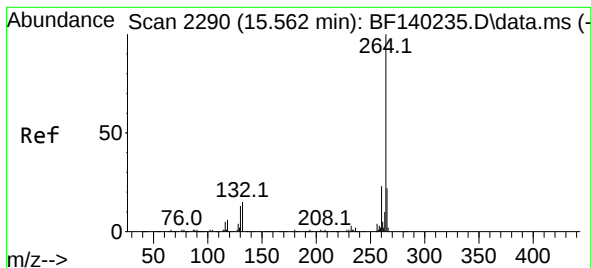
Ion Ratio Lower Upper

228 100

226 32.1 24.6 36.8

229 25.3 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-11

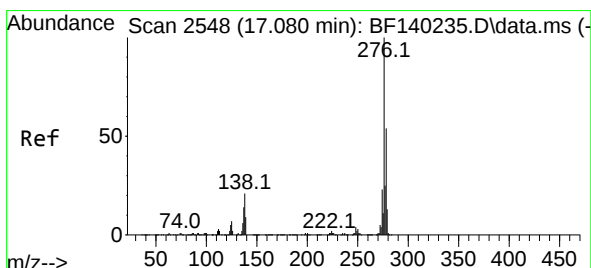
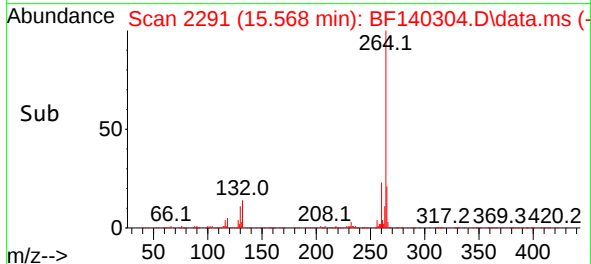
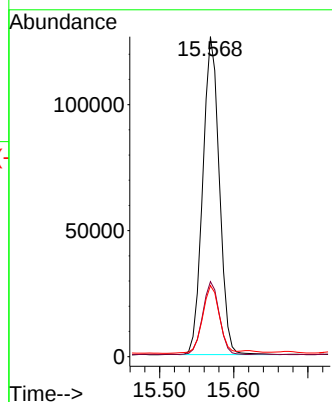
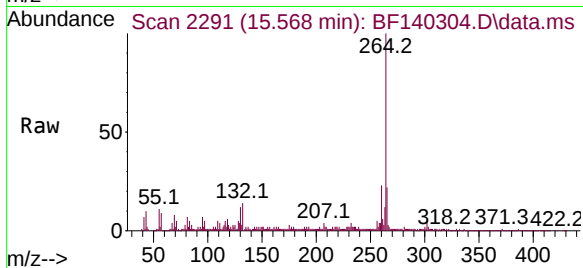
Tgt Ion:264 Resp: 196092

Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 22.2 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.737 ng

RT: 17.080 min Scan# 2548

Delta R.T. 0.000 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

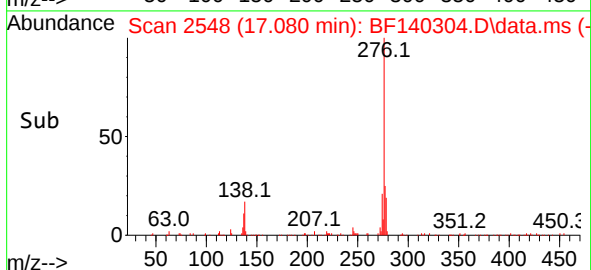
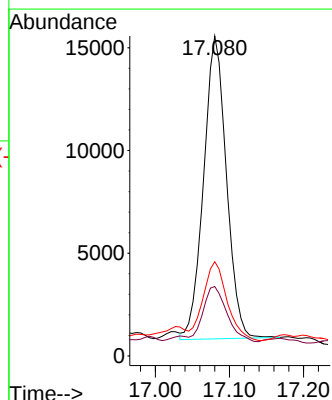
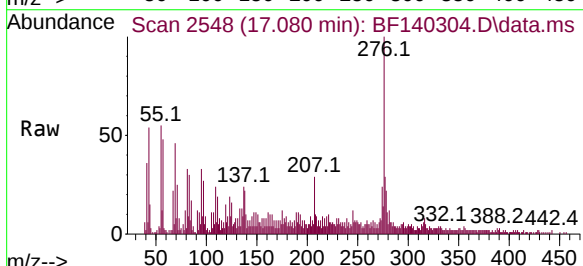
Tgt Ion:276 Resp: 31506

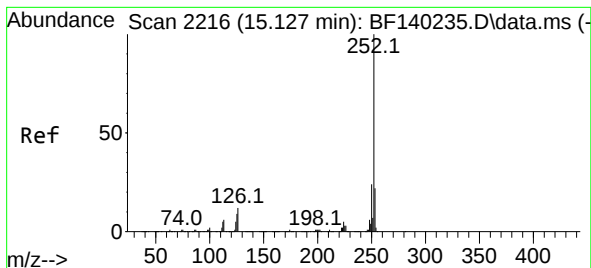
Ion Ratio Lower Upper

276 100

138 18.9 17.6 26.4

277 27.1 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 8.297 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-11

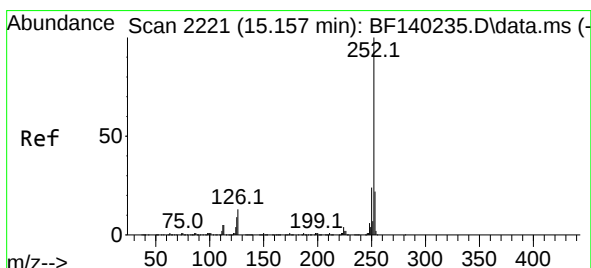
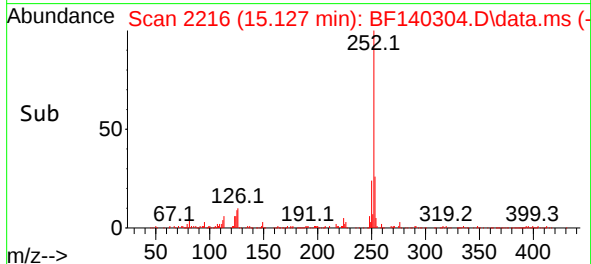
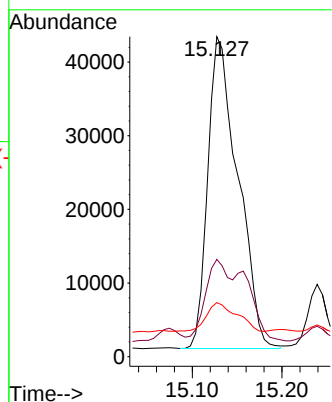
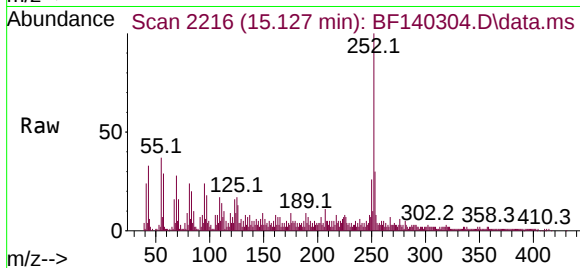
Tgt Ion:252 Resp: 98412

Ion Ratio Lower Upper

252 100

253 30.4 17.9 26.9#

125 16.9 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 9.042 ng

RT: 15.127 min Scan# 2216

Delta R.T. -0.029 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

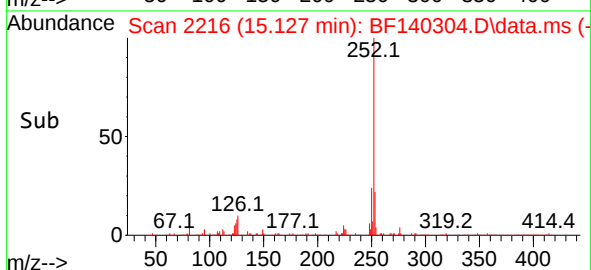
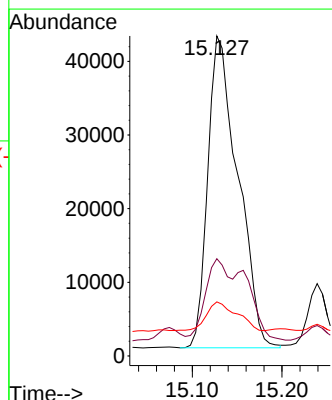
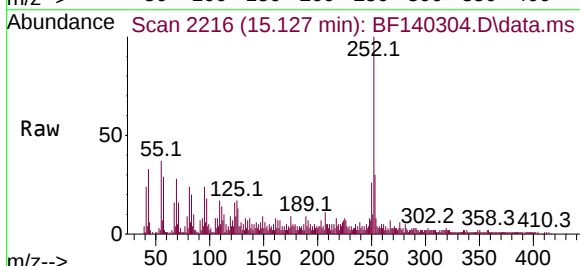
Tgt Ion:252 Resp: 98412

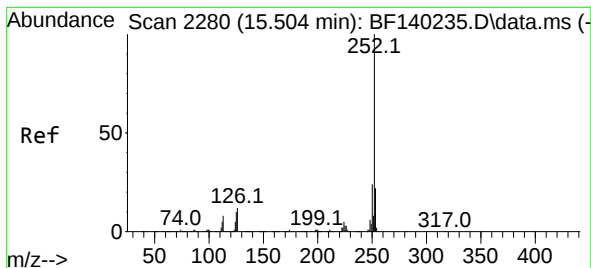
Ion Ratio Lower Upper

252 100

253 30.4 17.8 26.8#

125 16.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 5.451 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-11

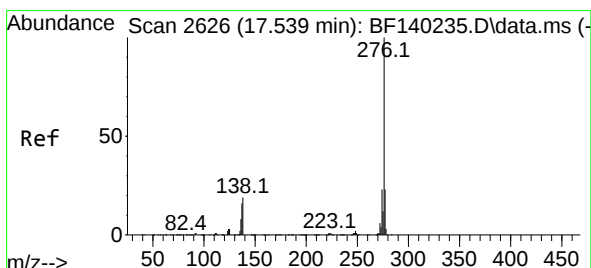
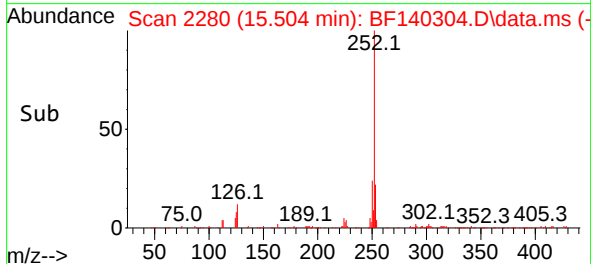
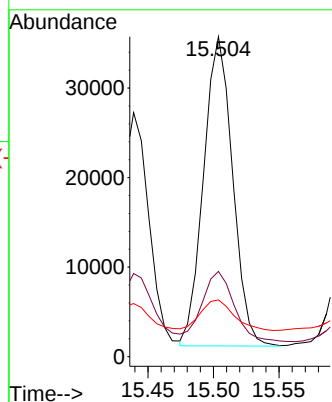
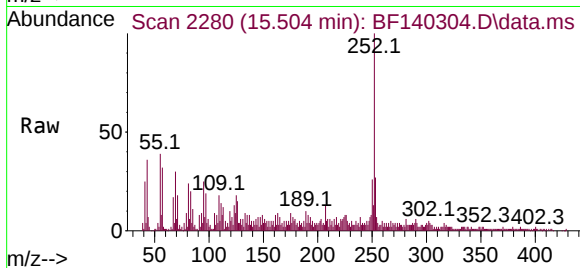
Tgt Ion:252 Resp: 53308

Ion Ratio Lower Upper

252 100

253 26.7 17.4 26.0#

125 17.8 7.6 11.4#



#92

Benzo(g,h,i)perylene

Concen: 3.472 ng

RT: 17.539 min Scan# 2626

Delta R.T. 0.000 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

Tgt Ion:276 Resp: 33546

Ion Ratio Lower Upper

276 100

277 29.6 18.8 28.2#

138 21.8 15.3 22.9

