

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140284.D
 Acq On : 07 Nov 2024 19:18
 Operator : RC/JU
 Sample : P4700-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-8

Quant Time: Nov 08 01:30:56 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)

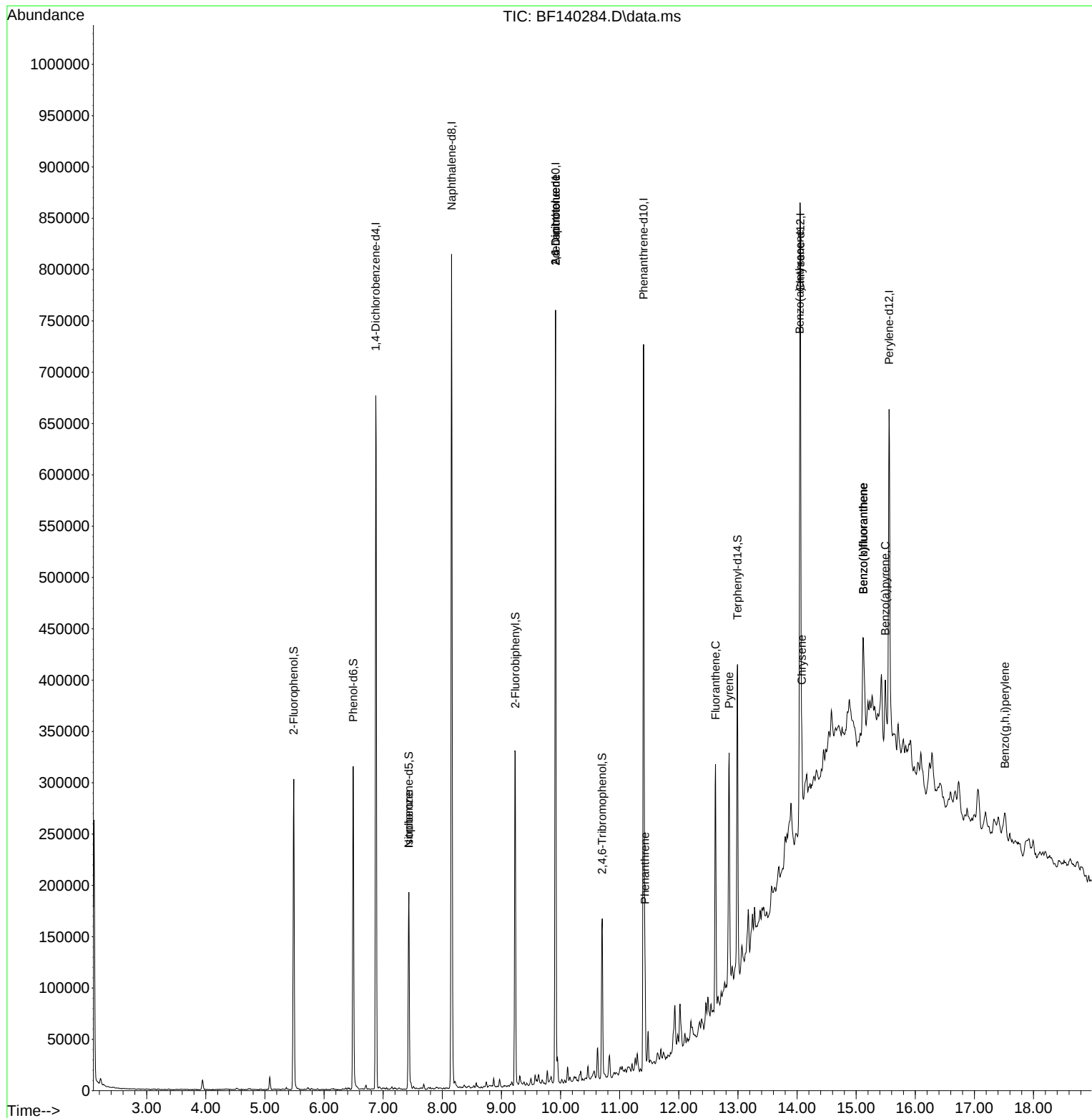
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	137866	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	483639	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	221709	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	369560	20.000	ng	0.00
76) Chrysene-d12	14.057	240	272097	20.000	ng	0.00
86) Perylene-d12	15.557	264	205210	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	109364	13.146	ng	0.00
7) Phenol-d6	6.493	99	138699	12.962	ng	-0.01
23) Nitrobenzene-d5	7.434	82	82502	8.481	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	25880	11.809	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	152726	11.000	ng	0.00
79) Terphenyl-d14	12.992	244	151212	9.104	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.434	82	80456	4.803	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	29074	9.059	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	29074	6.981	ng	# 19
71) Phenanthrene	11.428	178	53705	3.045	ng	98
75) Fluoranthene	12.622	202	136964	7.427	ng	98
78) Pyrene	12.851	202	133585	5.946	ng	99
81) Benzo(a)anthracene	14.045	228	64442	3.690	ng	94
83) Chrysene	14.080	228	47937	2.932	ng	96
88) Benzo(b)fluoranthene	15.121	252	71467	5.758	ng	# 89
89) Benzo(k)fluoranthene	15.121	252	71467	6.275	ng	# 89
90) Benzo(a)pyrene	15.492	252	34362	3.358	ng	# 85
92) Benzo(g,h,i)perylene	17.515	276	22485	2.224	ng	# 91

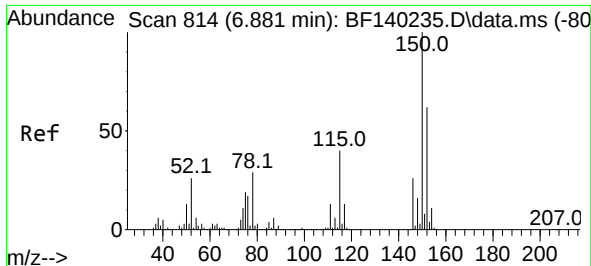
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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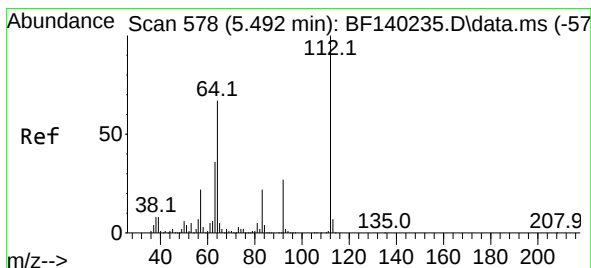
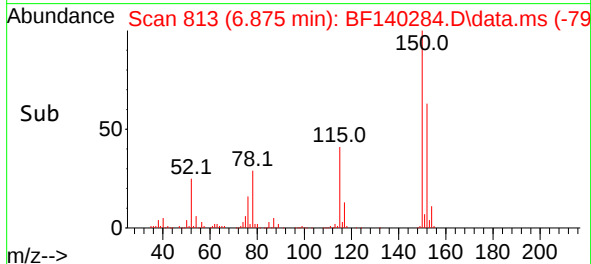
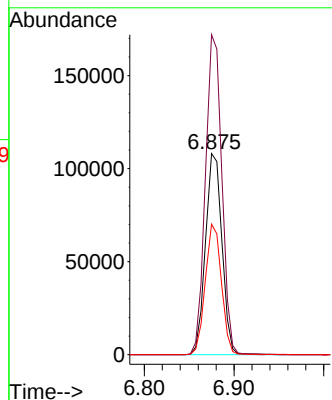
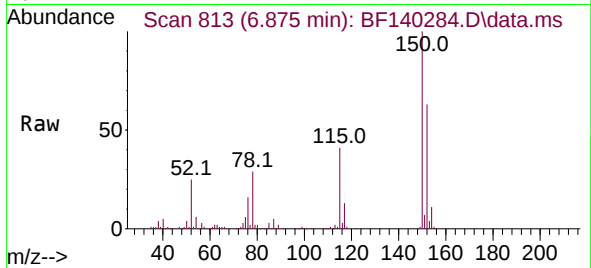




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

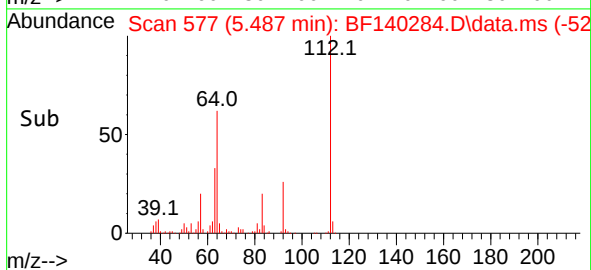
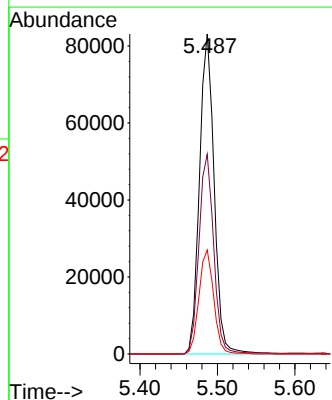
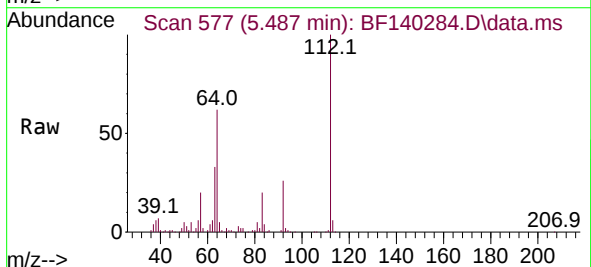
Instrument :
BNA_F
ClientSampleId :
MH-8

Tgt Ion:152 Resp: 137866
Ion Ratio Lower Upper
152 100
150 159.1 129.4 194.2
115 64.9 51.5 77.3



#5
2-Fluorophenol
Concen: 13.146 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

Tgt Ion:112 Resp: 109364
Ion Ratio Lower Upper
112 100
64 62.4 53.4 80.2
63 32.5 28.9 43.3

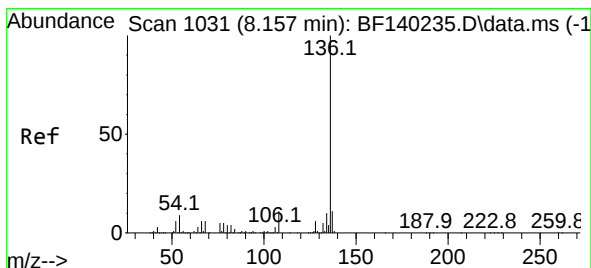
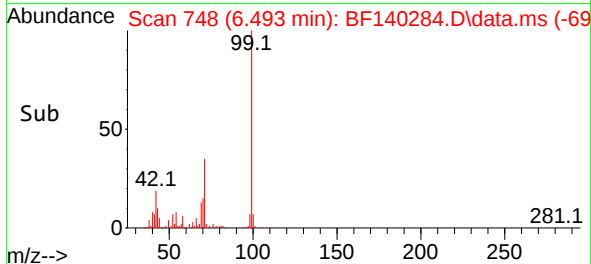
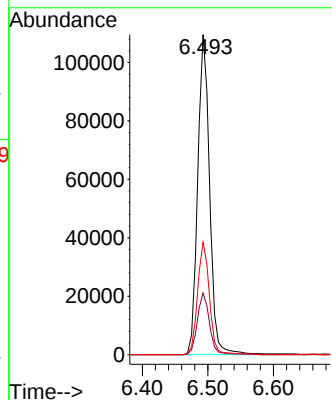
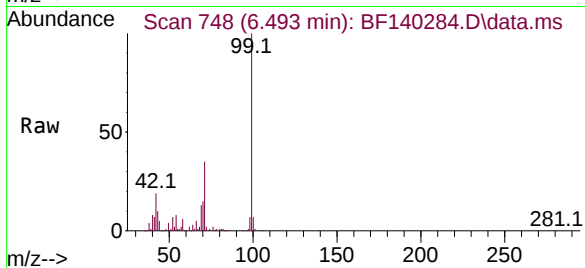




#7
Phenol-d6
Concen: 12.962 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

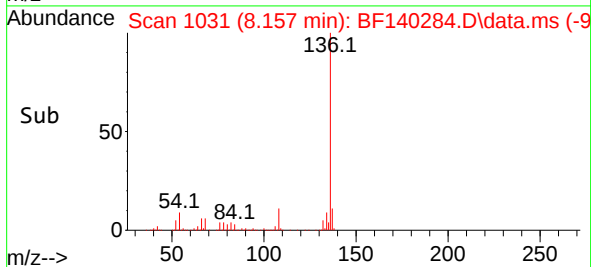
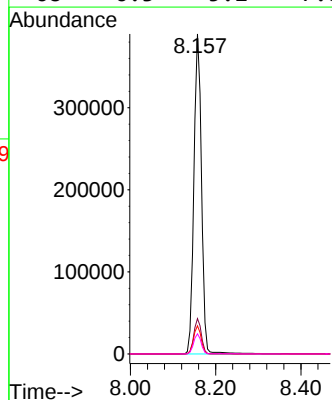
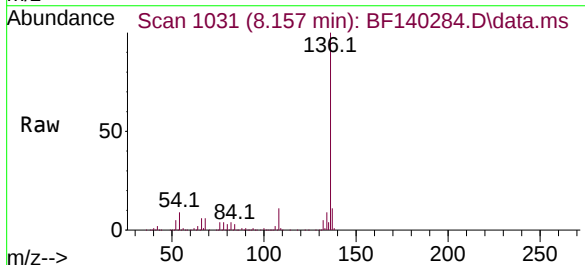
Instrument :
BNA_F
ClientSampleId :
MH-8

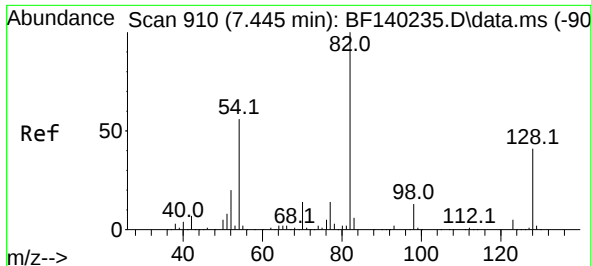
Tgt Ion: 99 Resp: 138699
Ion Ratio Lower Upper
99 100
42 19.2 18.2 27.2
71 35.2 30.9 46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

Tgt Ion: 136 Resp: 483639
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 8.8 7.7 11.5
68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 8.481 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

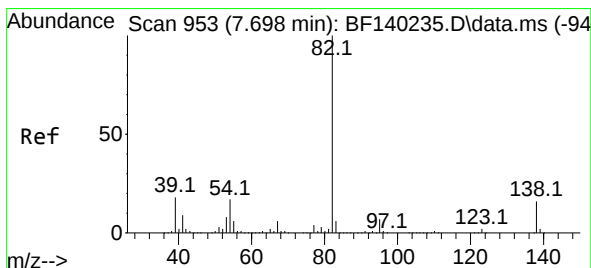
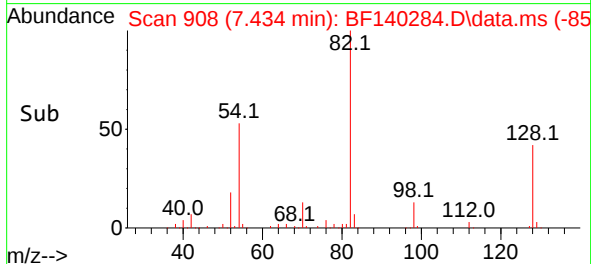
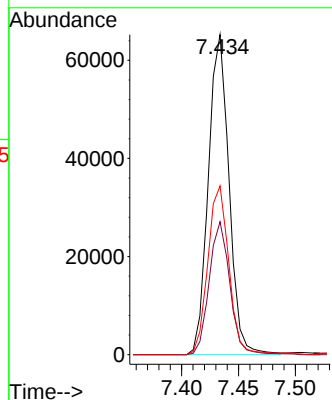
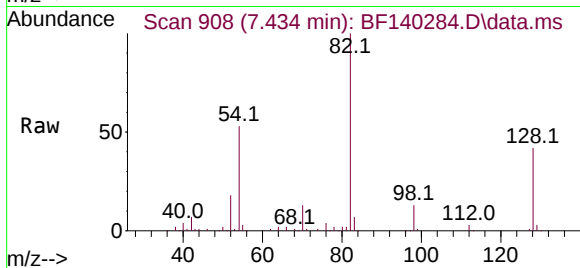
Tgt Ion: 82 Resp: 82502

Ion Ratio Lower Upper

82 100

128 41.5 32.8 49.2

54 52.7 44.3 66.5



#25

Isophorone

Concen: 4.803 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

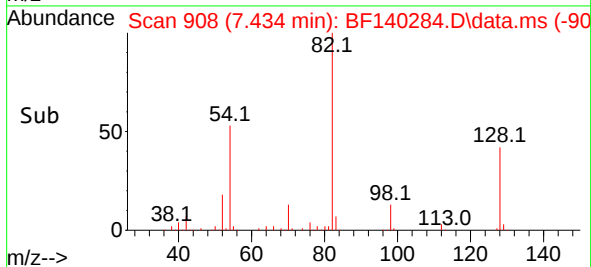
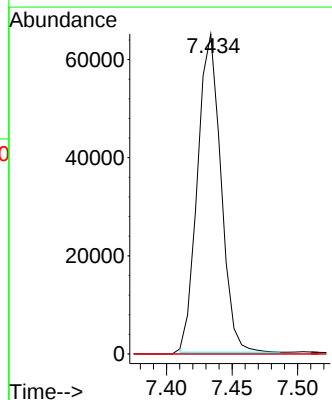
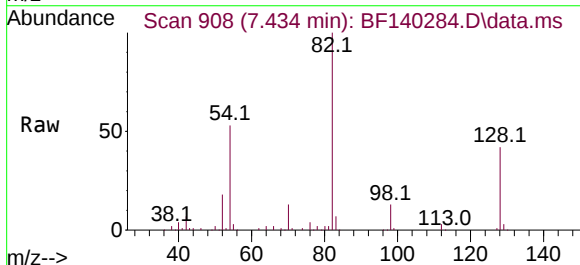
Tgt Ion: 82 Resp: 80456

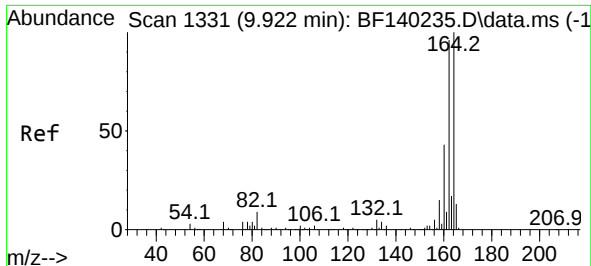
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 12.9 19.3#

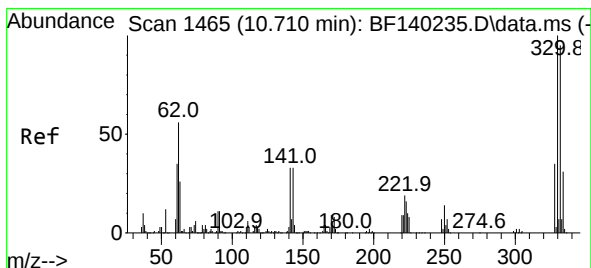
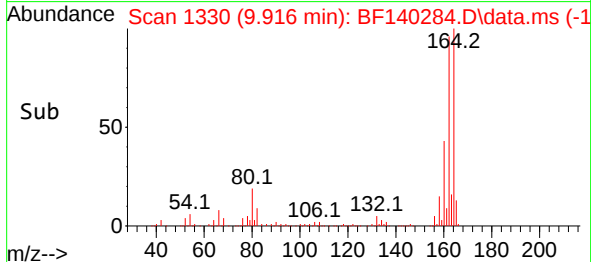
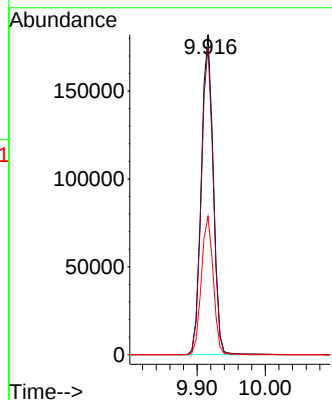
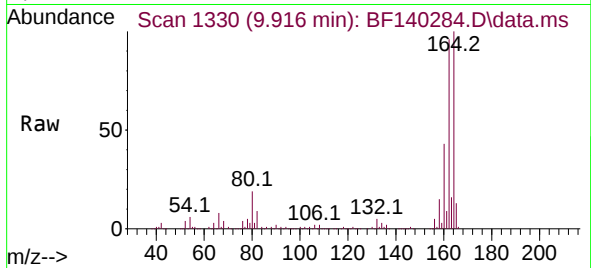




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

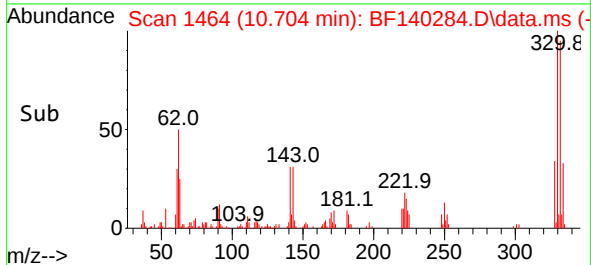
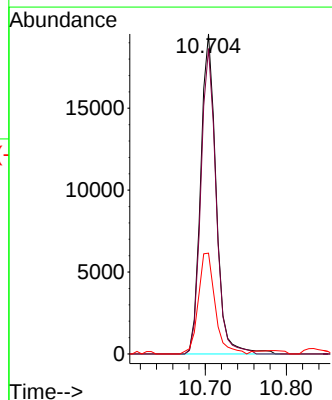
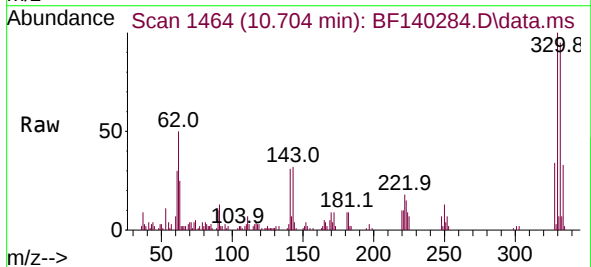
Instrument :
BNA_F
ClientSampleId :
MH-8

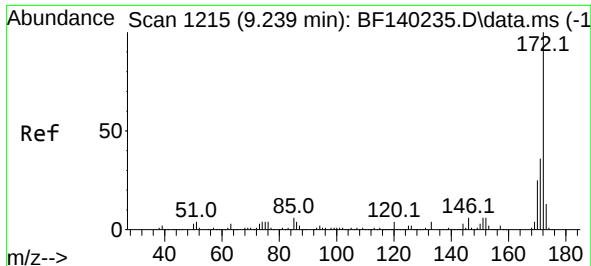
Tgt Ion:164 Resp: 221709
Ion Ratio Lower Upper
164 100
162 96.1 77.0 115.4
160 43.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 11.809 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

Tgt Ion:330 Resp: 25880
Ion Ratio Lower Upper
330 100
332 93.7 76.4 114.6
141 34.2 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 11.000 ng

RT: 9.234 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

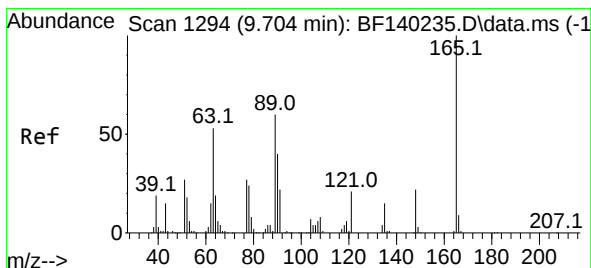
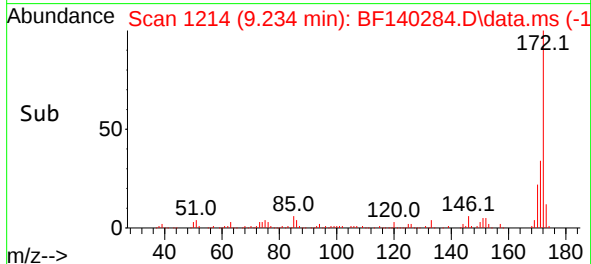
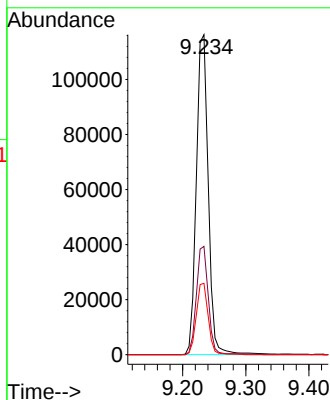
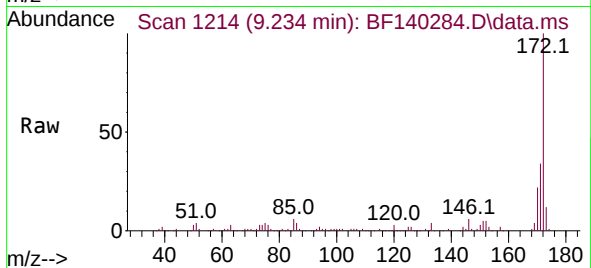
Tgt Ion:172 Resp: 152726

Ion Ratio Lower Upper

172 100

171 33.9 28.8 43.2

170 22.3 19.6 29.4



#51

2,6-Dinitrotoluene

Concen: 9.059 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.212 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

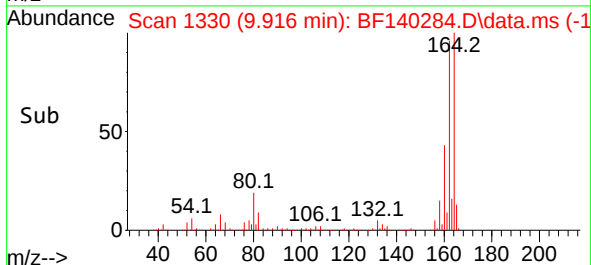
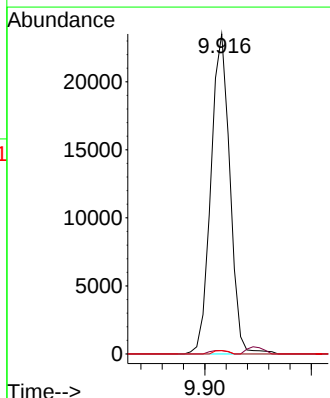
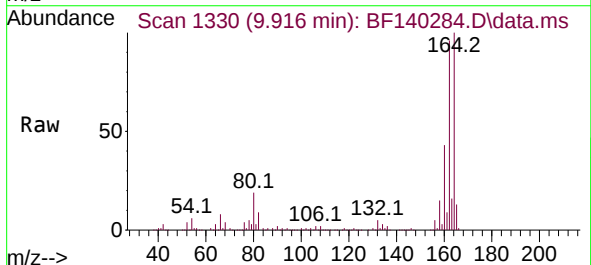
Tgt Ion:165 Resp: 29074

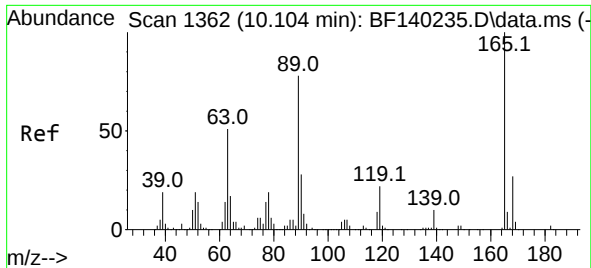
Ion Ratio Lower Upper

165 100

63 1.1 48.8 73.2#

89 1.1 48.1 72.1#

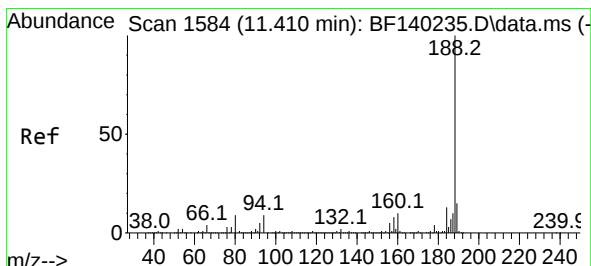
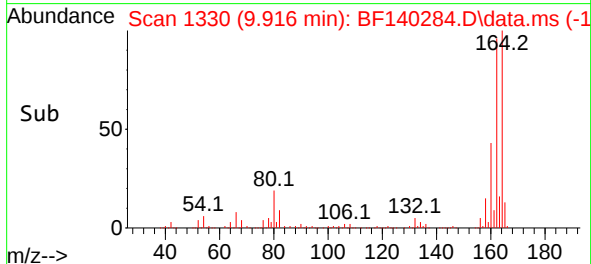
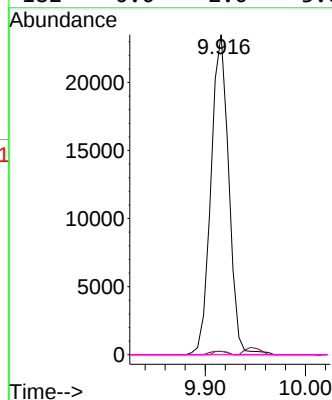
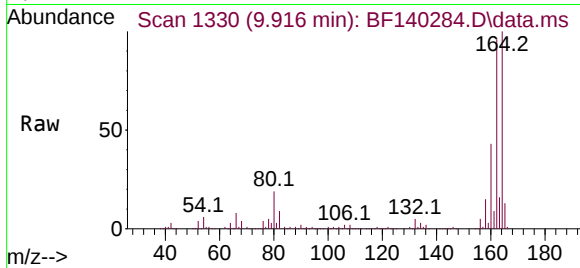




#57
2,4-Dinitrotoluene
Concen: 6.981 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

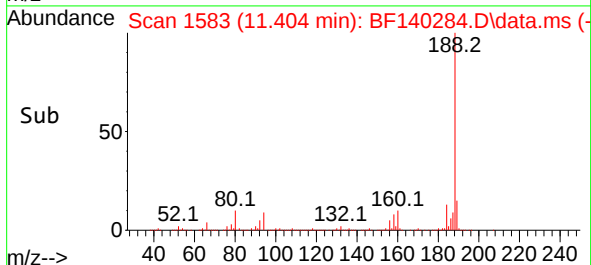
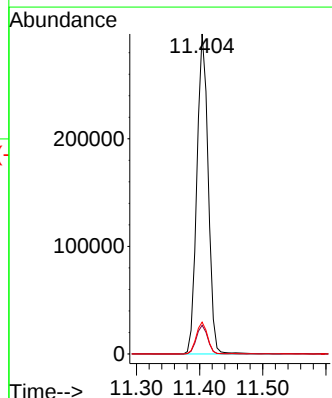
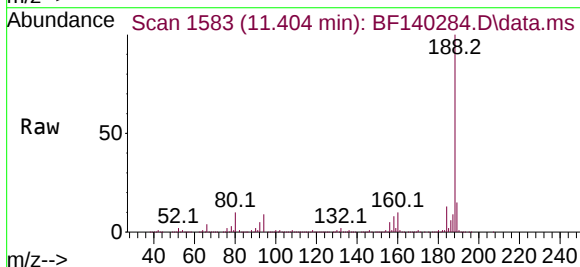
Instrument :
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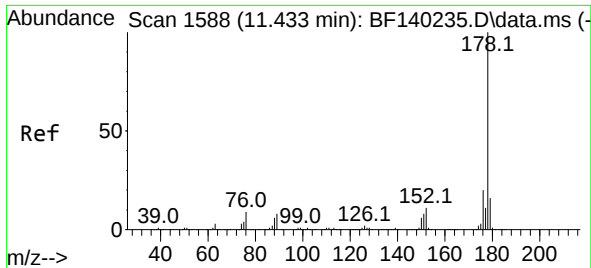
Tgt Ion:165	Resp:	29074
Ion	Ratio	Lower Upper
165	100	
63	1.1	41.3 61.9#
89	1.1	62.6 94.0#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

Tgt Ion:188	Resp:	369560
Ion	Ratio	Lower Upper
188	100	
94	9.0	6.9 10.3
80	9.9	7.5 11.3

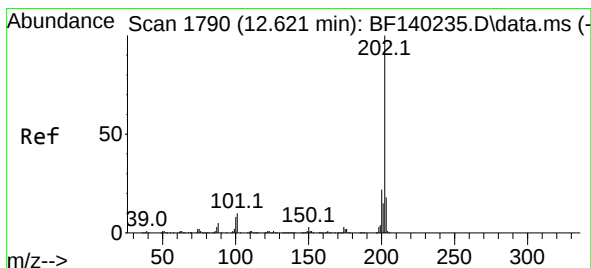
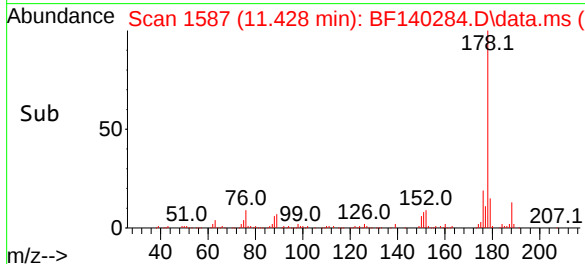
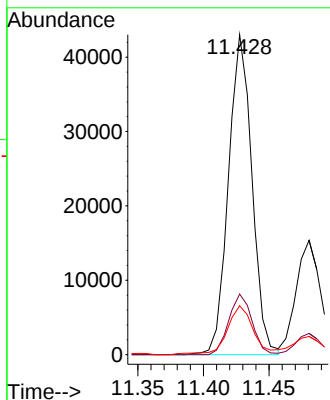
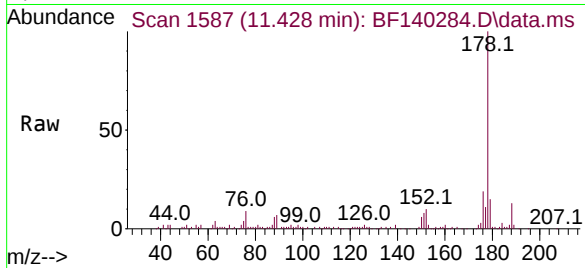




#71
Phenanthrene
Concen: 3.045 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

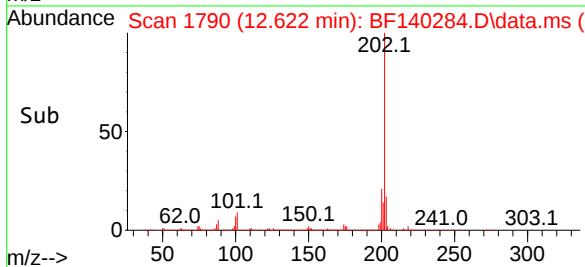
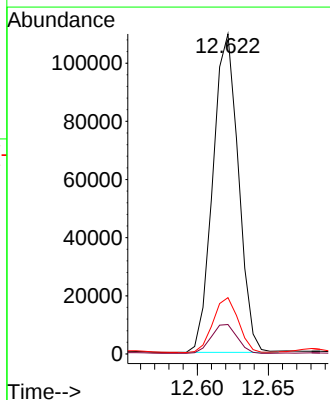
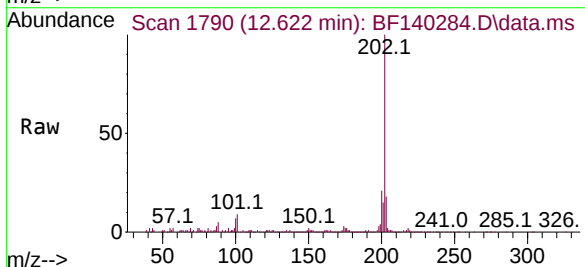
Instrument :
BNA_F
ClientSampleId :
MH-8

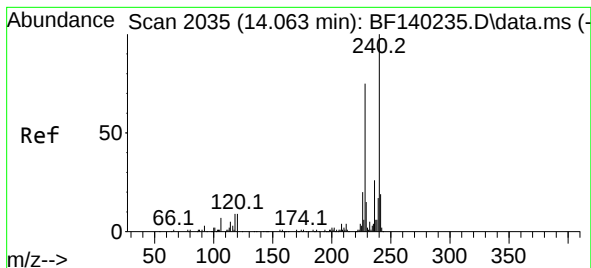
Tgt Ion:178 Resp: 53705
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.3 12.6 18.8



#75
Fluoranthene
Concen: 7.427 ng
RT: 12.622 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF140284.D
Acq: 07 Nov 2024 19:18

Tgt Ion:202 Resp: 136964
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.4
203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

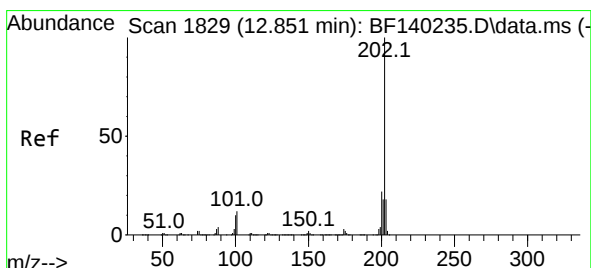
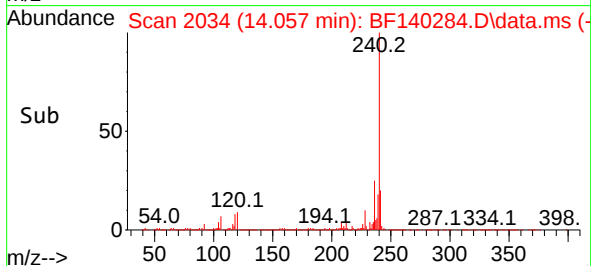
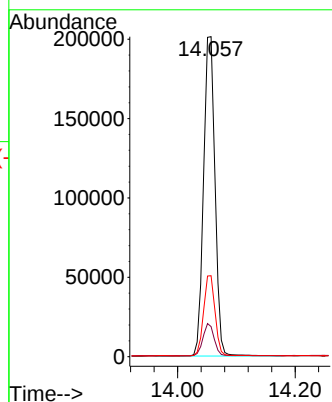
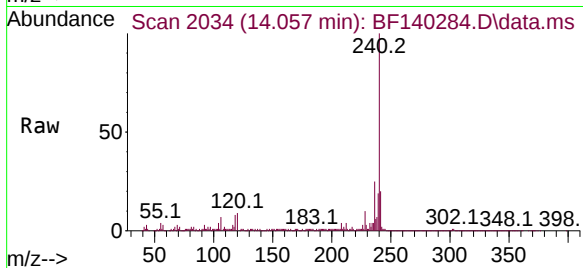
Tgt Ion:240 Resp: 272097

Ion Ratio Lower Upper

240 100

120 9.4 7.5 11.3

236 25.3 20.9 31.3



#78

Pyrene

Concen: 5.946 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

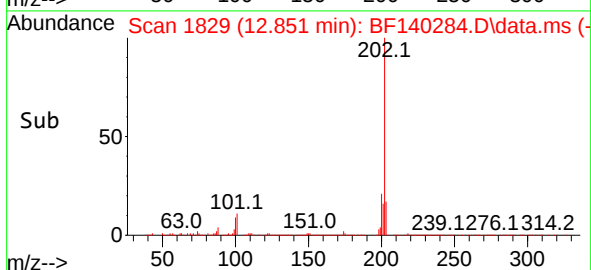
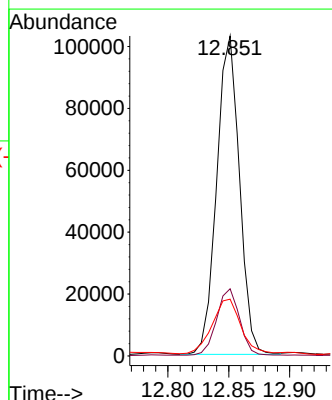
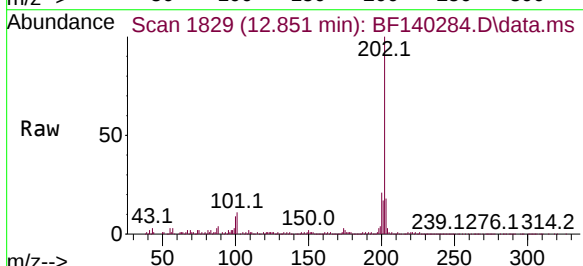
Tgt Ion:202 Resp: 133585

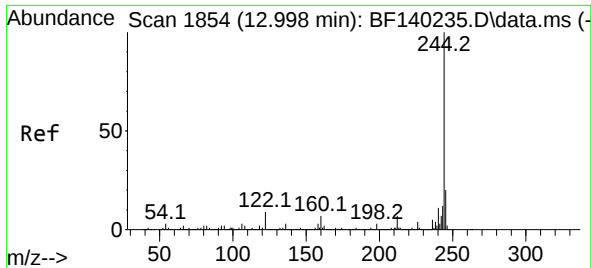
Ion Ratio Lower Upper

202 100

200 21.0 17.5 26.3

203 17.8 14.4 21.6

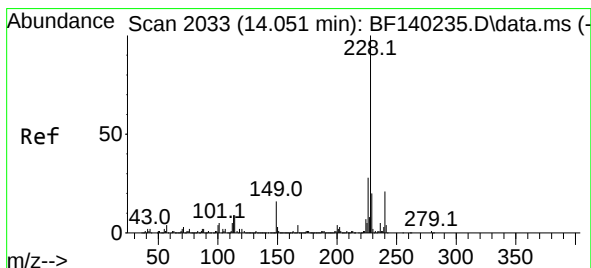
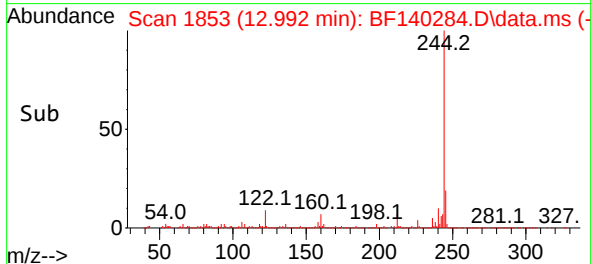
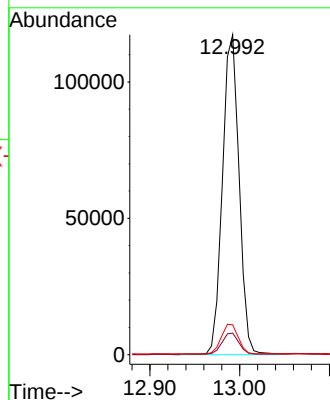
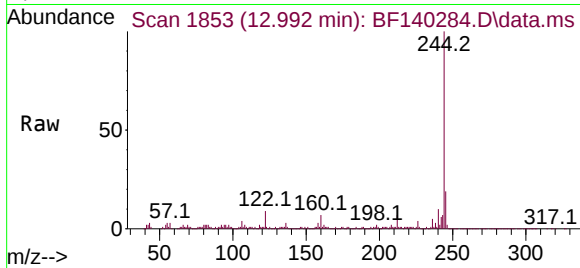




#79
 Terphenyl-d14
 Concen: 9.104 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140284.D
 Acq: 07 Nov 2024 19:18

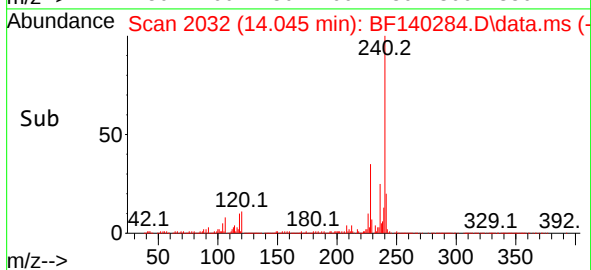
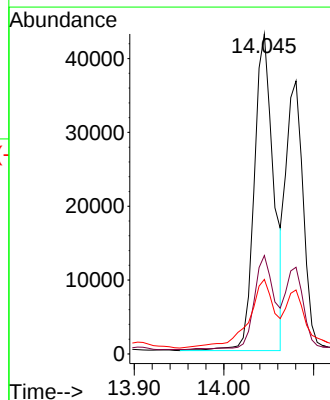
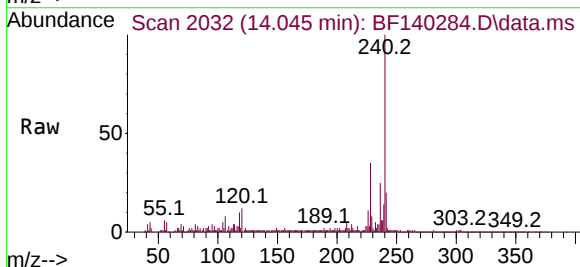
Instrument :
 BNA_F
 ClientSampleId :
 MH-8

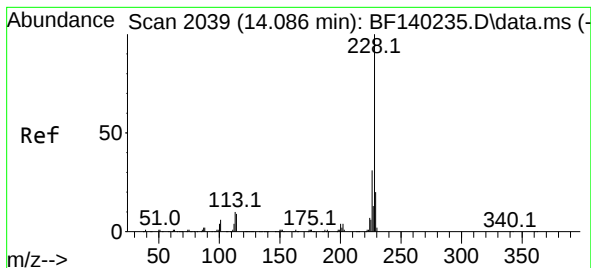
Tgt Ion:244 Resp: 151212
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.3 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 3.690 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF140284.D
 Acq: 07 Nov 2024 19:18

Tgt Ion:228 Resp: 64442
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.3 33.5
 229 23.3 16.1 24.1





#83

Chrysene

Concen: 2.932 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

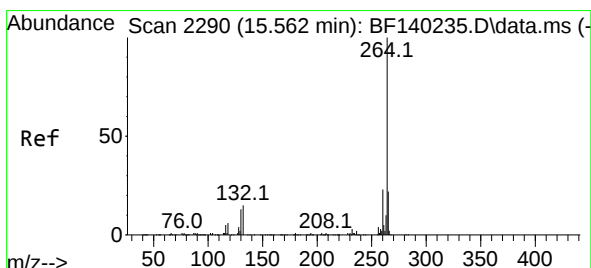
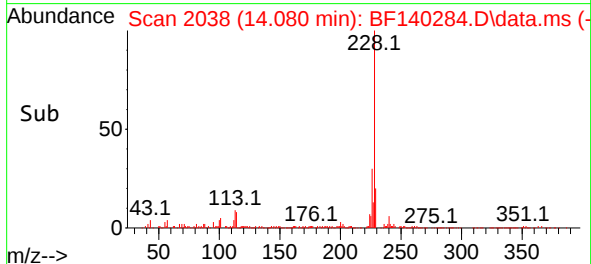
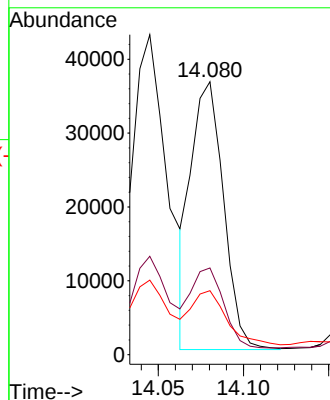
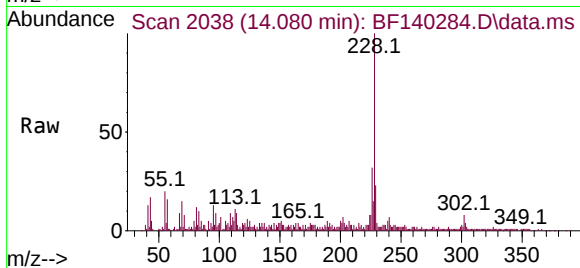
Tgt Ion:228 Resp: 47937

Ion Ratio Lower Upper

228 100

226 31.8 24.6 36.8

229 23.4 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2289

Delta R.T. -0.006 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

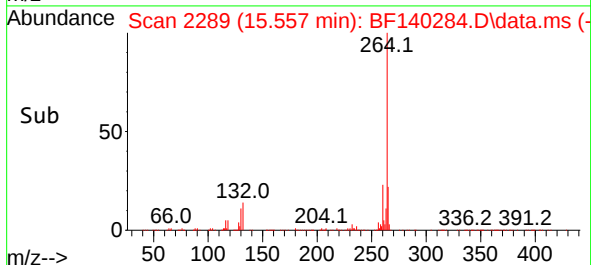
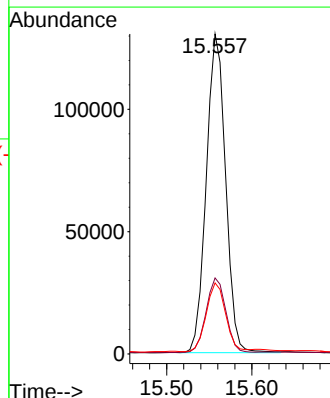
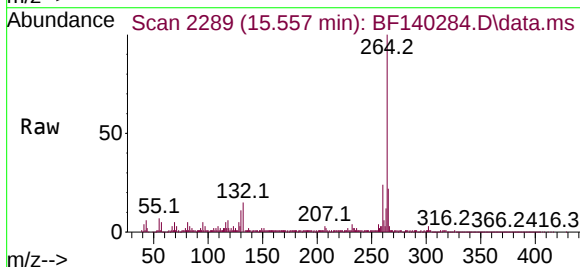
Tgt Ion:264 Resp: 205210

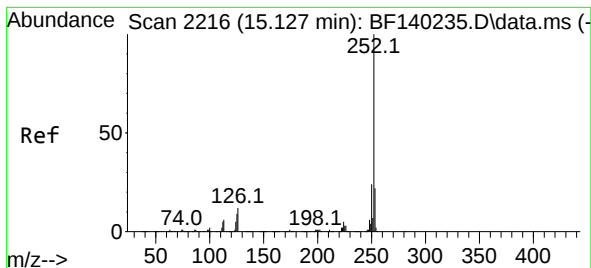
Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.2 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 5.758 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

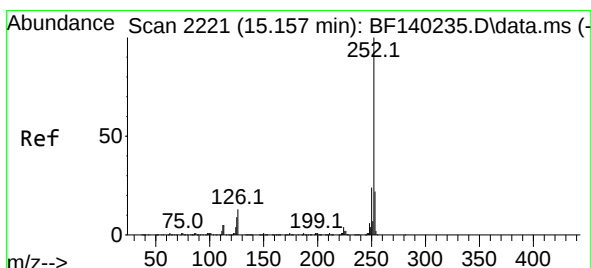
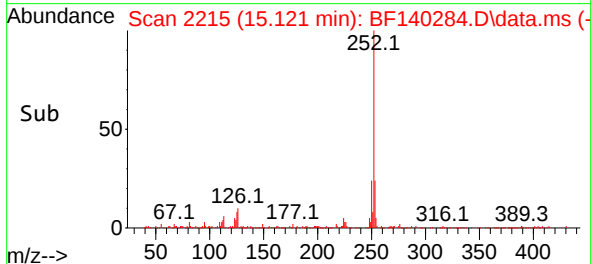
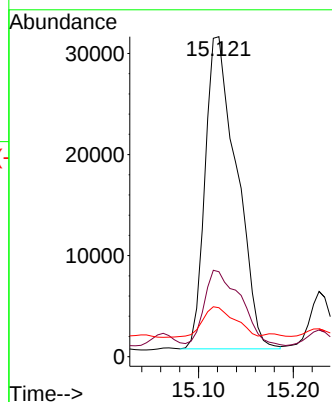
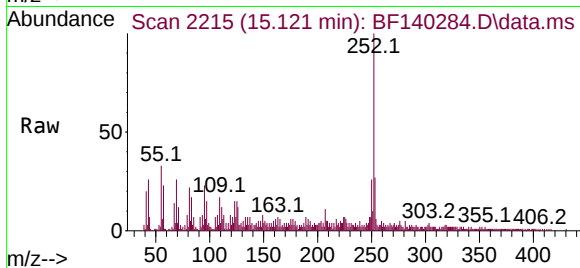
Tgt Ion:252 Resp: 71467

Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

125 15.3 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 6.275 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.035 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

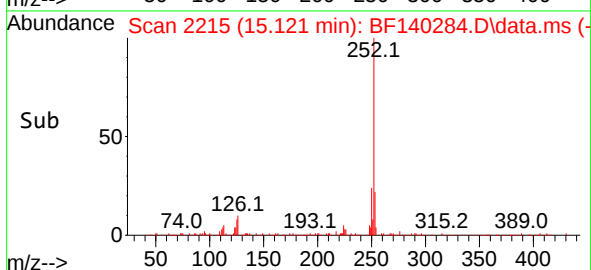
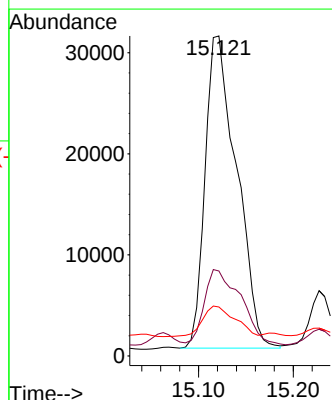
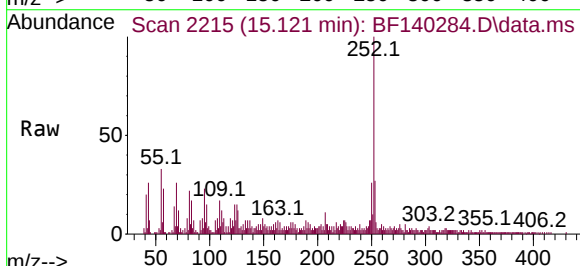
Tgt Ion:252 Resp: 71467

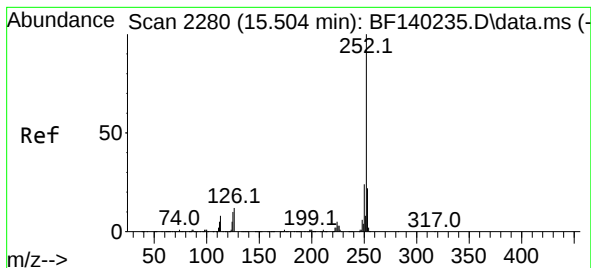
Ion Ratio Lower Upper

252 100

253 26.6 17.8 26.8

125 15.3 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 3.358 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

MH-8

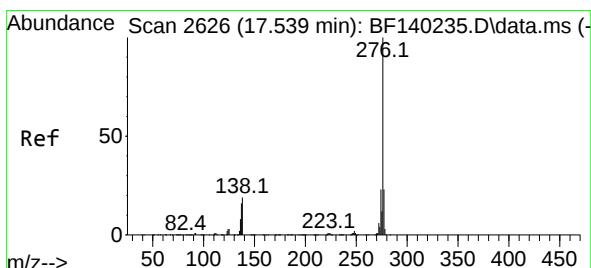
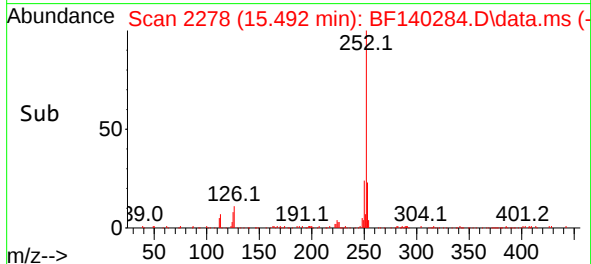
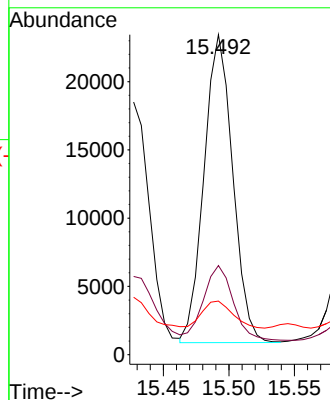
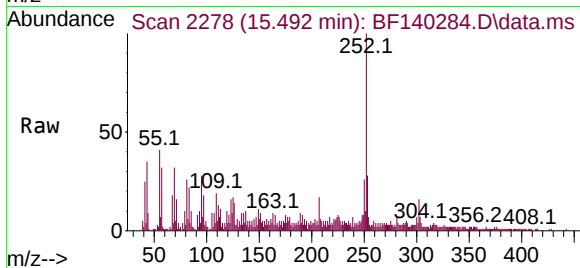
Tgt Ion:252 Resp: 34362

Ion Ratio Lower Upper

252 100

253 27.9 17.4 26.0#

125 16.7 7.6 11.4#



#92

Benzo(g,h,i)perylene

Concen: 2.224 ng

RT: 17.515 min Scan# 2622

Delta R.T. -0.023 min

Lab File: BF140284.D

Acq: 07 Nov 2024 19:18

Tgt Ion:276 Resp: 22485

Ion Ratio Lower Upper

276 100

277 28.0 18.8 28.2

138 23.0 15.3 22.9#

