

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140305.D
 Acq On : 08 Nov 2024 18:03
 Operator : RC/JU
 Sample : P4722-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1(0-6)

Quant Time: Nov 08 21:47:33 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)

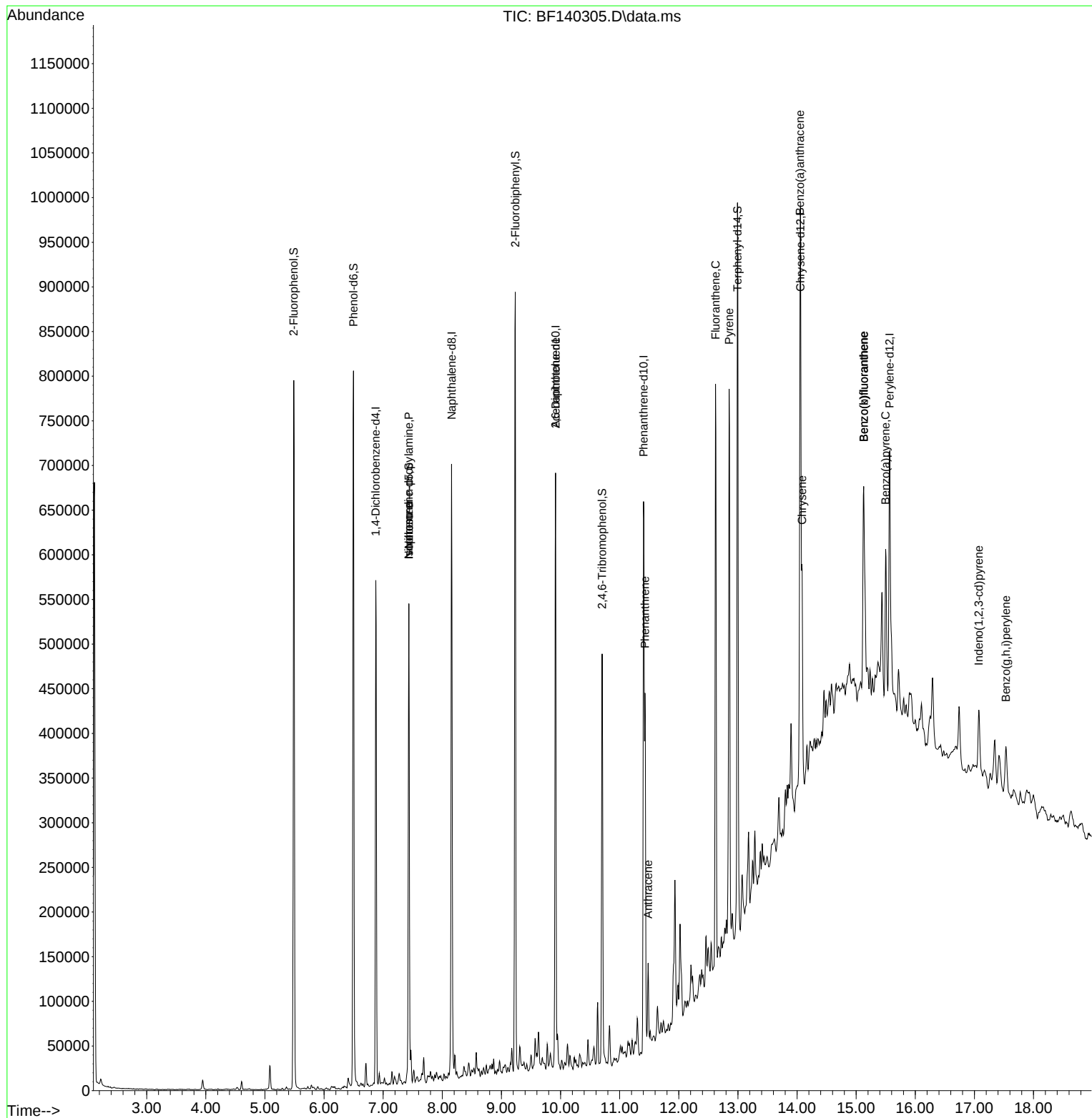
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	116360	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	402526	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	201087	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	343480	20.000	ng	0.00
76) Chrysene-d12	14.057	240	223839	20.000	ng	0.00
86) Perylene-d12	15.563	264	183726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	289261	41.197	ng	0.00
7) Phenol-d6	6.498	99	362607	40.150	ng	0.00
23) Nitrobenzene-d5	7.434	82	226133	27.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	77806	39.145	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	393305	31.232	ng	0.00
79) Terphenyl-d14	12.992	244	411258	30.097	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	34180	5.932	ng	# 75
25) Isophorone	7.434	82	221582	15.895	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	26982	9.269	ng	# 22
71) Phenanthrene	11.428	178	209980	12.810	ng	98
72) Anthracene	11.480	178	52309	3.254	ng	98
75) Fluoranthene	12.622	202	377812	22.043	ng	99
78) Pyrene	12.851	202	365243	19.762	ng	98
81) Benzo(a)anthracene	14.051	228	179631	12.505	ng	97
83) Chrysene	14.086	228	128225	9.532	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	57877	5.367	ng	# 95
88) Benzo(b)fluoranthene	15.127	252	190025	17.099	ng	# 93
89) Benzo(k)fluoranthene	15.127	252	190025	18.634	ng	# 93
90) Benzo(a)pyrene	15.498	252	107049	11.683	ng	# 94
92) Benzo(g,h,i)perylene	17.533	276	57209	6.321	ng	96

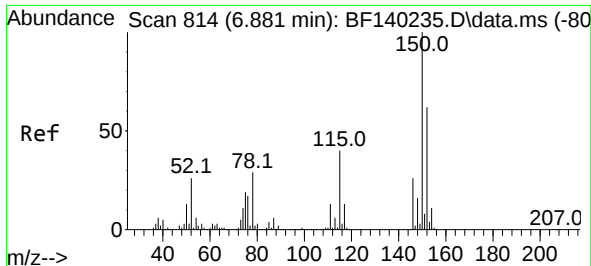
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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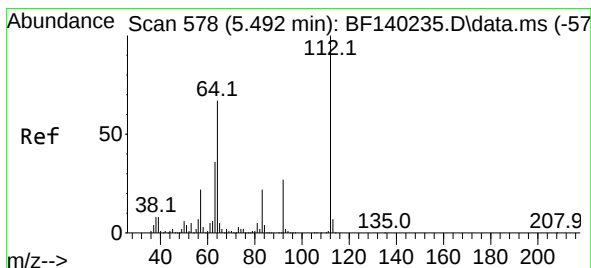
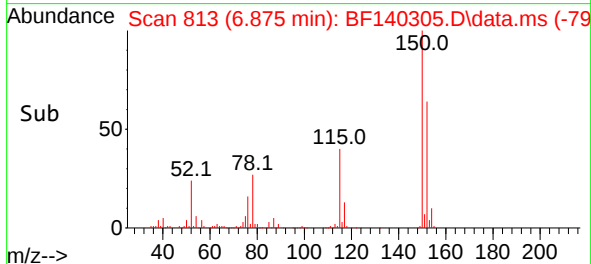
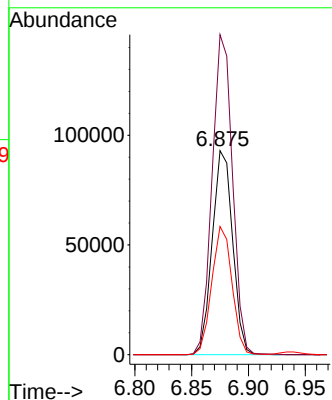
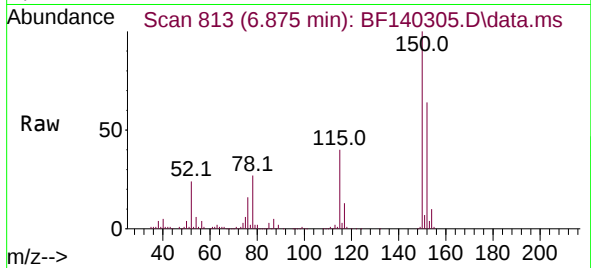




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

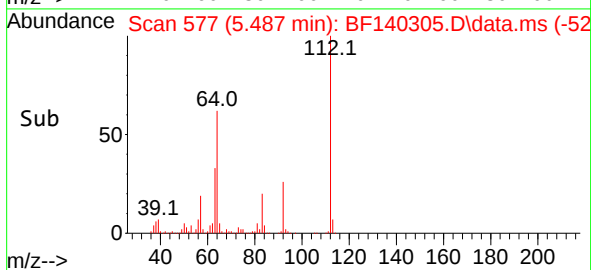
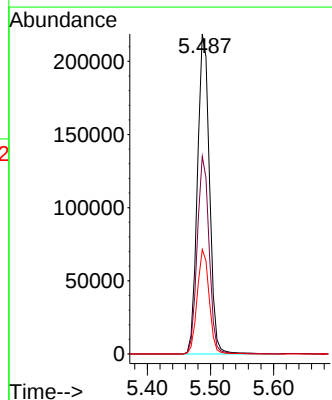
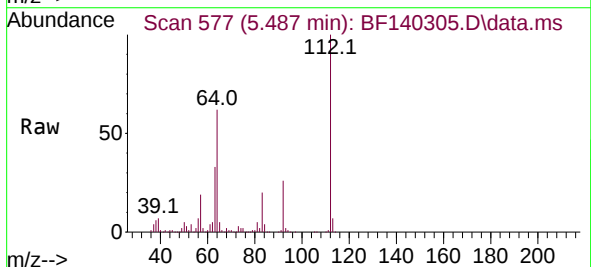
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)

Tgt Ion:152 Resp: 116360
Ion Ratio Lower Upper
152 100
150 156.9 129.4 194.2
115 62.8 51.5 77.3



#5
2-Fluorophenol
Concen: 41.197 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:112 Resp: 289261
Ion Ratio Lower Upper
112 100
64 61.7 53.4 80.2
63 32.7 28.9 43.3

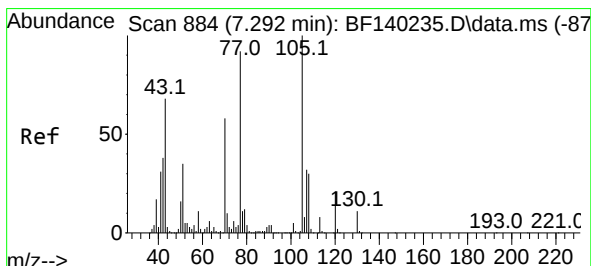
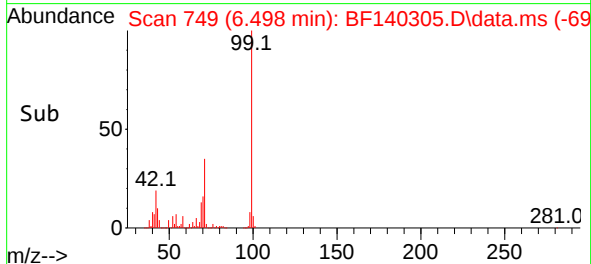
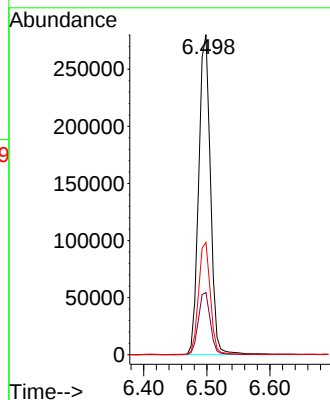
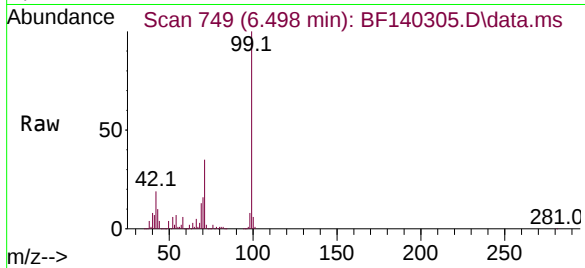




#7
Phenol-d6
Concen: 40.150 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

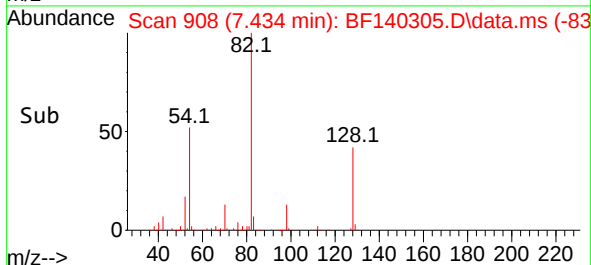
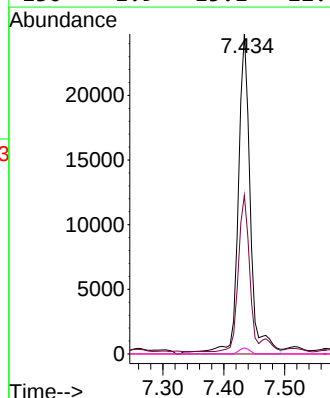
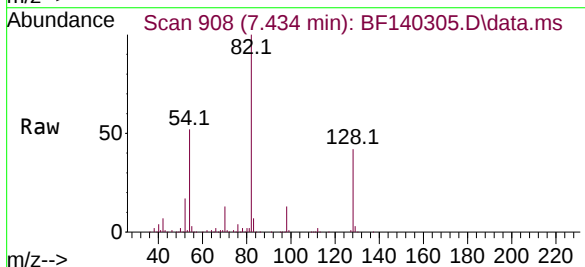
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)

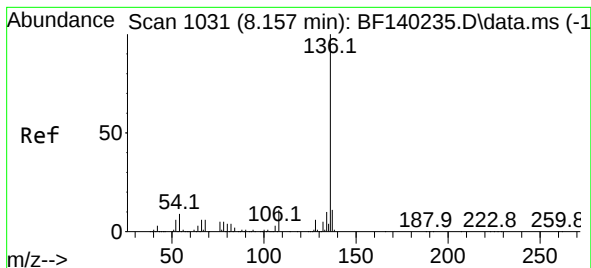
Tgt Ion: 99 Resp: 362607
Ion Ratio Lower Upper
99 100
42 19.4 18.2 27.2
71 35.0 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.932 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion: 70 Resp: 34180
Ion Ratio Lower Upper
70 100
42 49.6 52.8 79.2#
101 0.0 7.4 11.2#
130 1.9 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: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

Tgt Ion:136 Resp: 402526

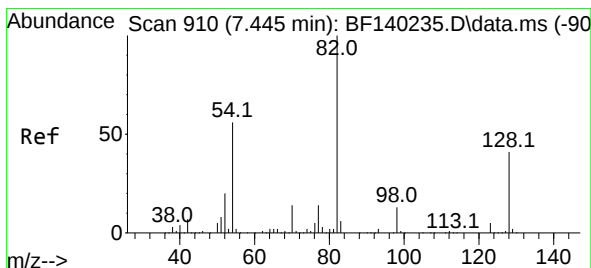
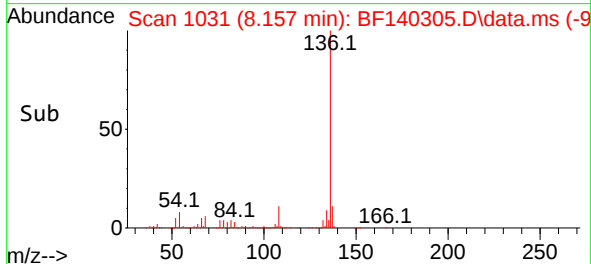
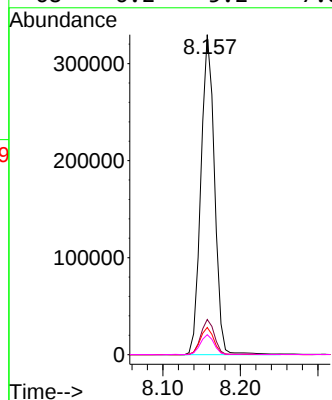
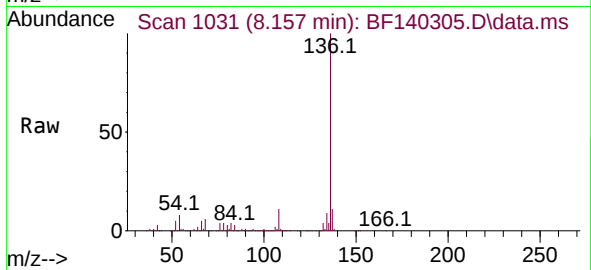
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 8.5 7.7 11.5

68 6.2 5.2 7.8



#23

Nitrobenzene-d5

Concen: 27.931 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

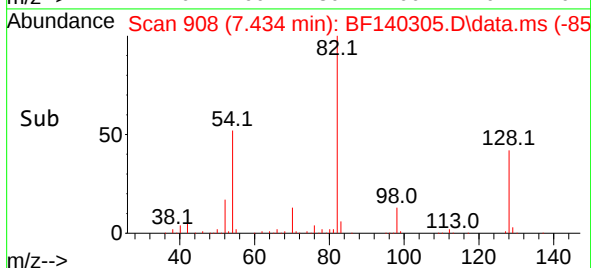
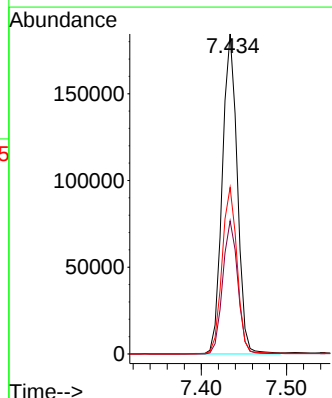
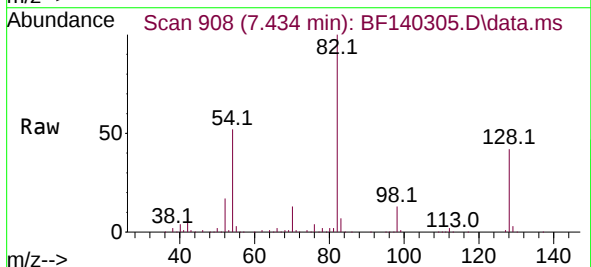
Tgt Ion: 82 Resp: 226133

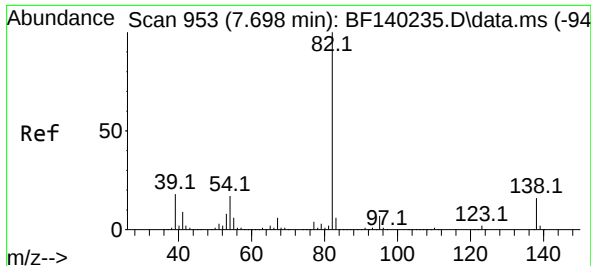
Ion Ratio Lower Upper

82 100

128 41.6 32.8 49.2

54 52.0 44.3 66.5

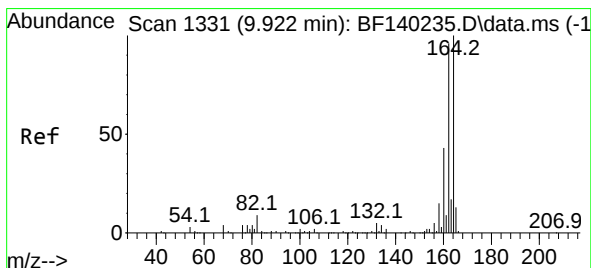
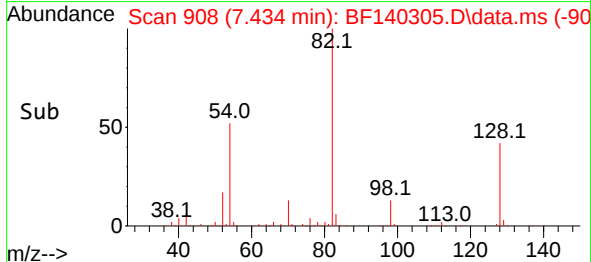
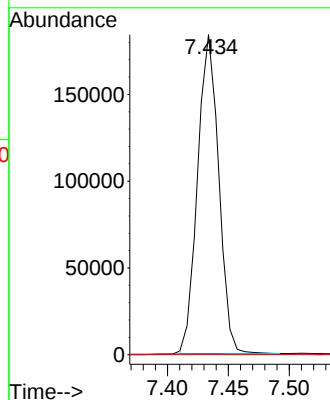
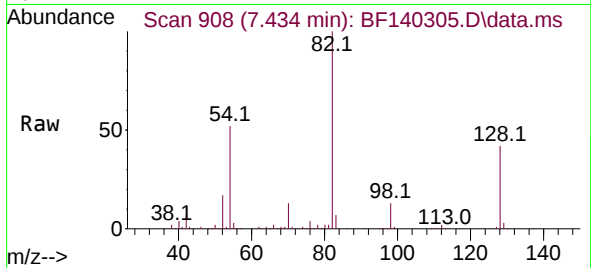




#25
Isophorone
Concen: 15.895 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

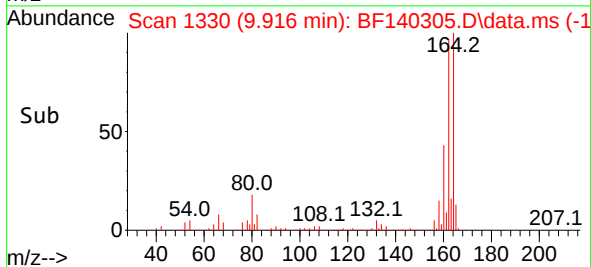
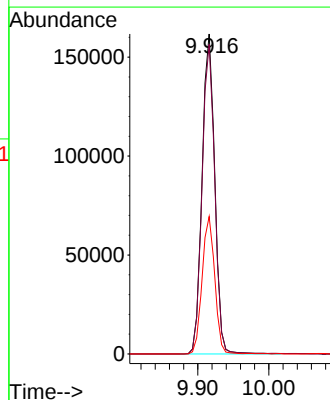
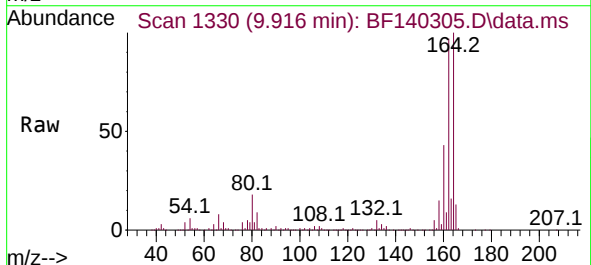
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)

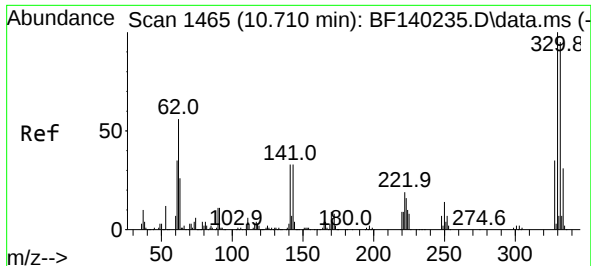
Tgt Ion: 82 Resp: 221582
Ion Ratio Lower Upper
82 100
95 0.3 6.0 9.0#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:164 Resp: 201087
Ion Ratio Lower Upper
164 100
162 96.8 77.0 115.4
160 43.0 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 39.145 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

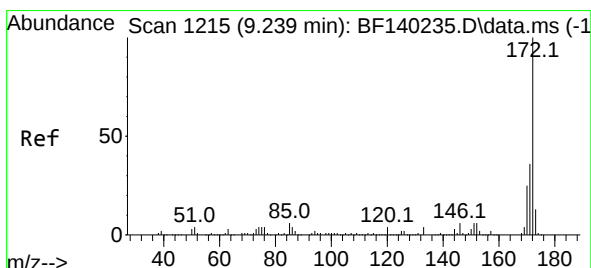
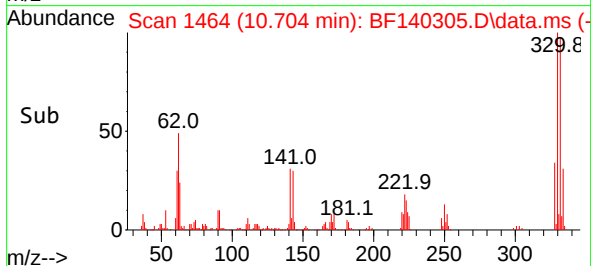
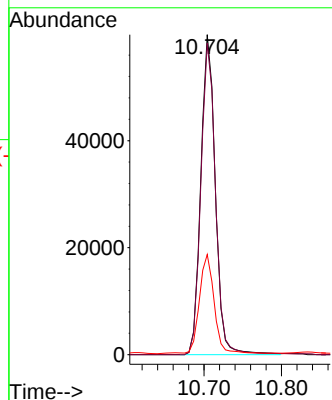
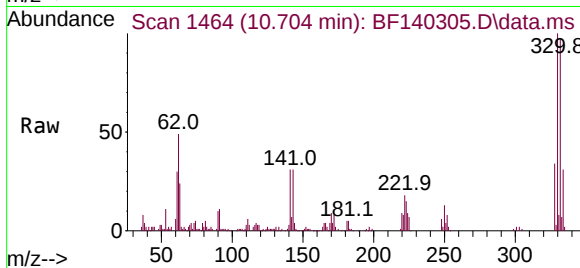
Tgt Ion:330 Resp: 77806

Ion Ratio Lower Upper

330 100

332 98.3 76.4 114.6

141 31.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 31.232 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

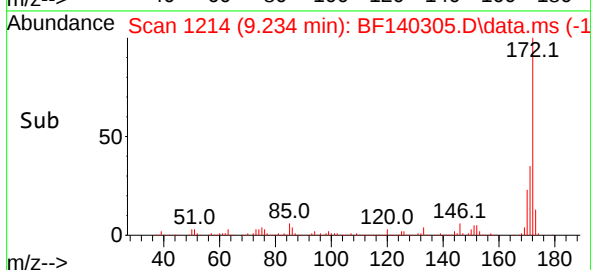
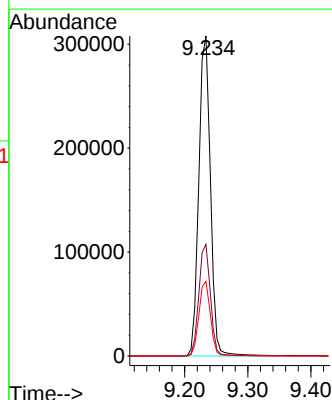
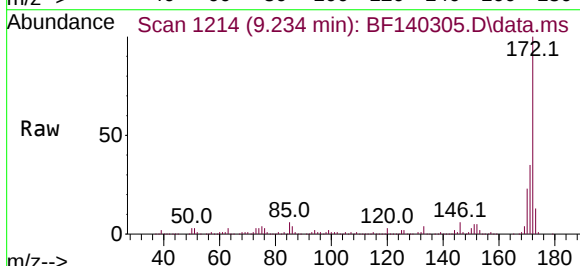
Tgt Ion:172 Resp: 393305

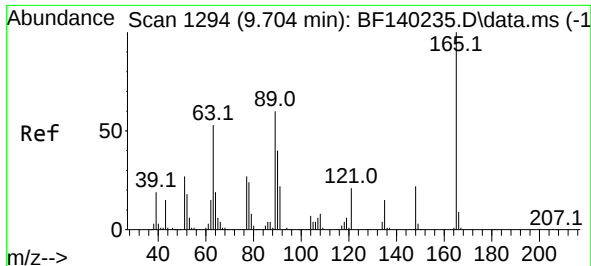
Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 23.3 19.6 29.4

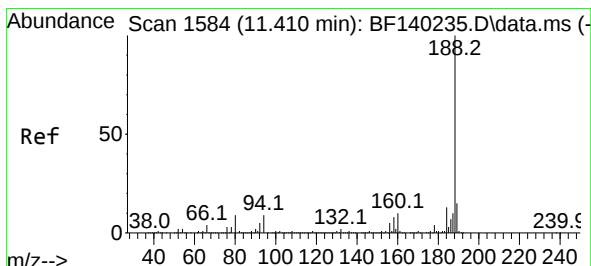
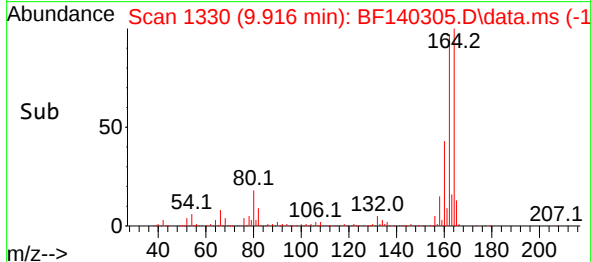
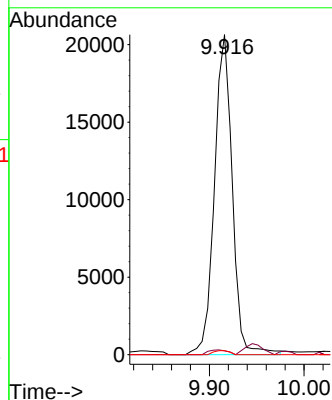
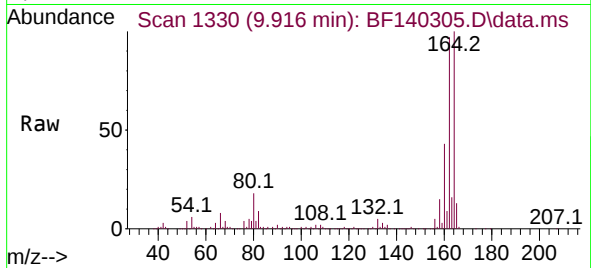




#51
2,6-Dinitrotoluene
Concen: 9.269 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

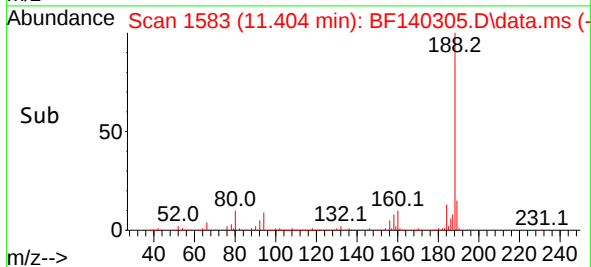
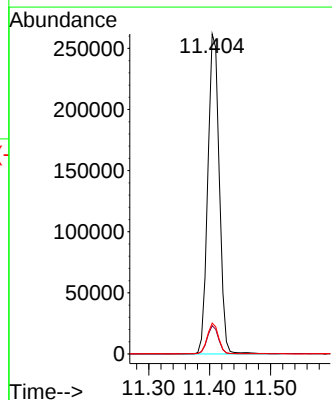
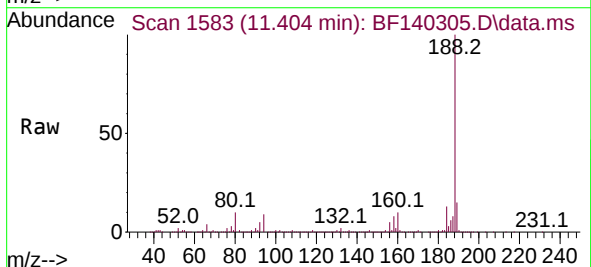
Instrument :
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WC-1(0-6)

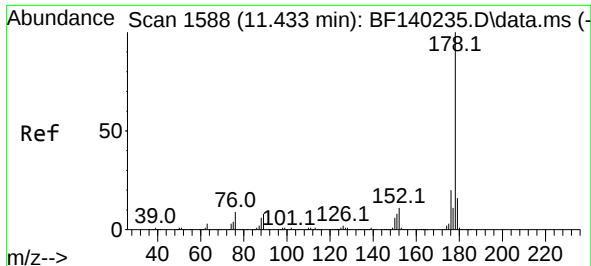
Tgt Ion:165 Resp: 26982
Ion Ratio Lower Upper
165 100
63 1.2 48.8 73.2#
89 1.3 48.1 72.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:188 Resp: 343480
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 9.7 7.5 11.3

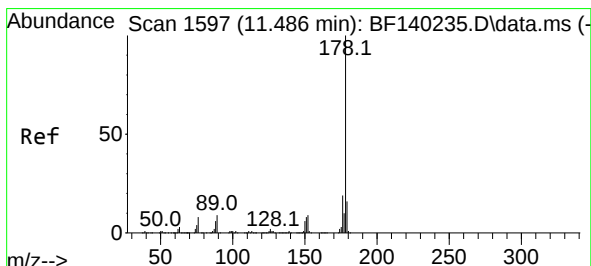
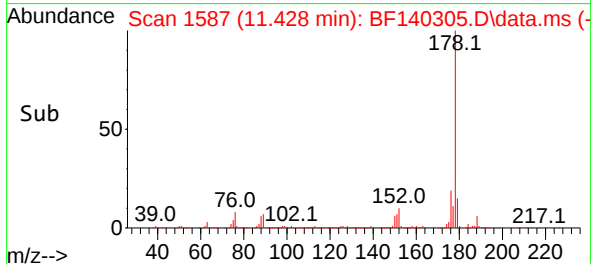
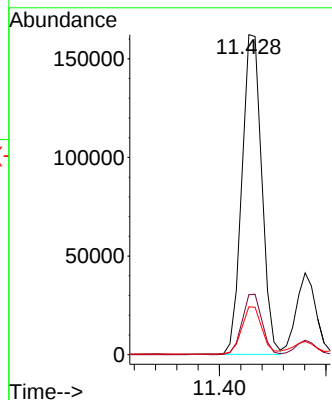
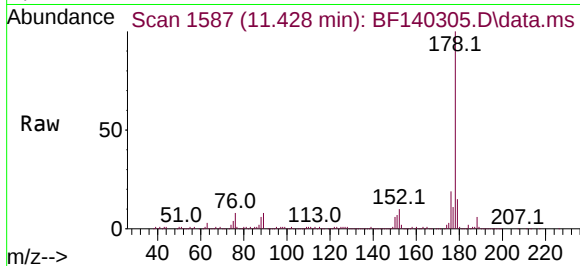




#71
Phenanthrene
Concen: 12.810 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

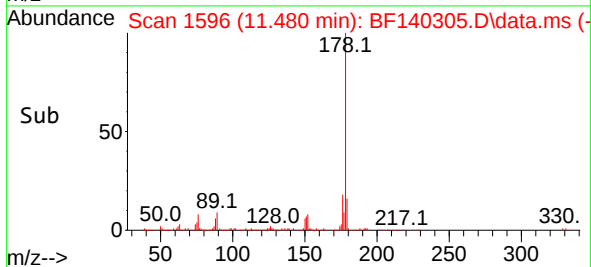
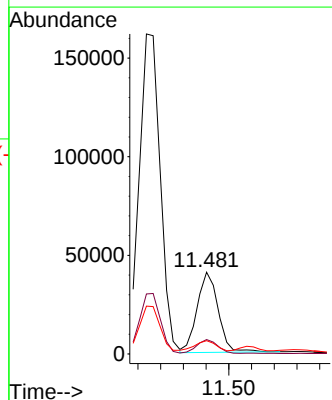
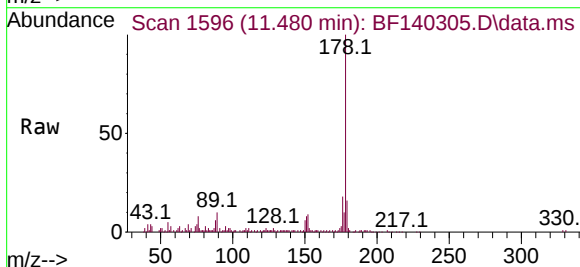
Instrument : BNA_F
ClientSampleId : WC-1(0-6)

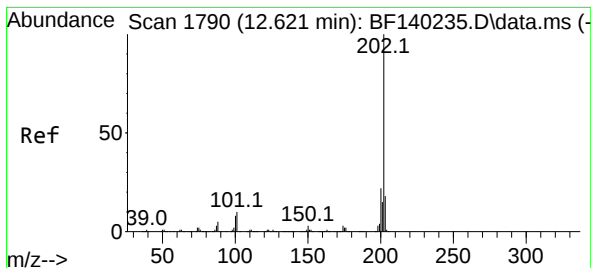
Tgt Ion:178 Resp: 209980
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.9 12.6 18.8



#72
Anthracene
Concen: 3.254 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:178 Resp: 52309
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 16.2 12.7 19.1





#75

Fluoranthene

Concen: 22.043 ng

RT: 12.622 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

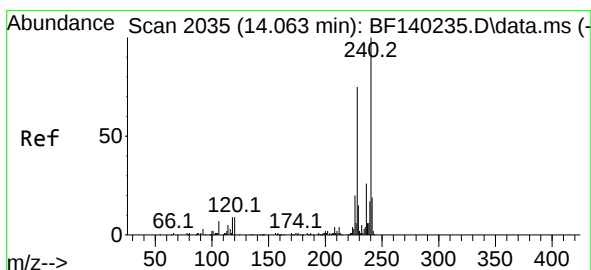
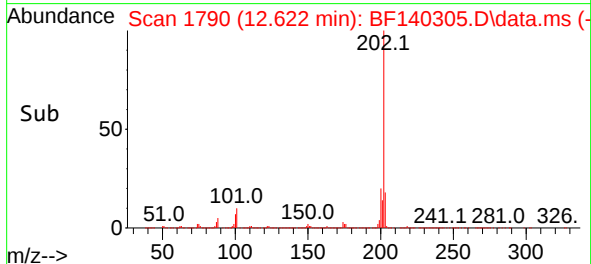
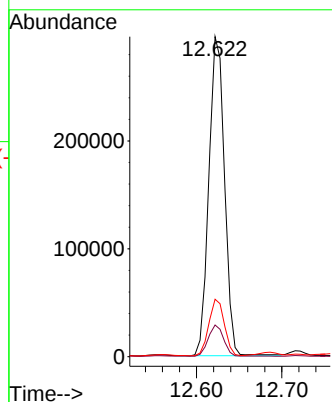
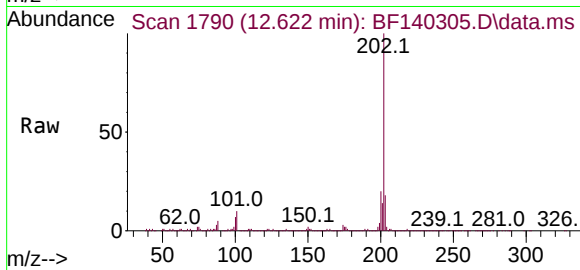
Tgt Ion:202 Resp: 377812

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.4

203 17.9 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: BF140305.D

Acq: 08 Nov 2024 18:03

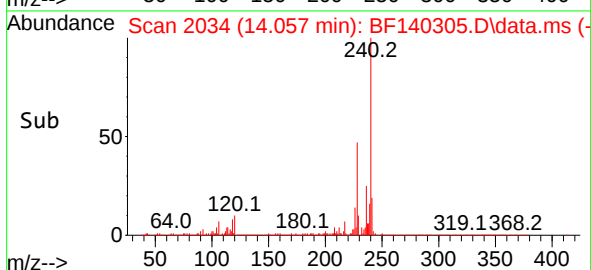
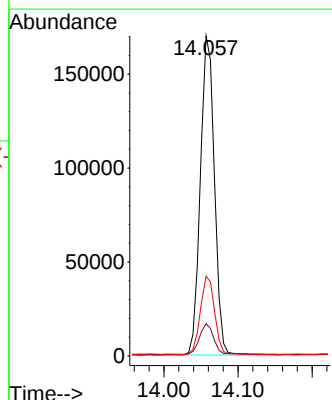
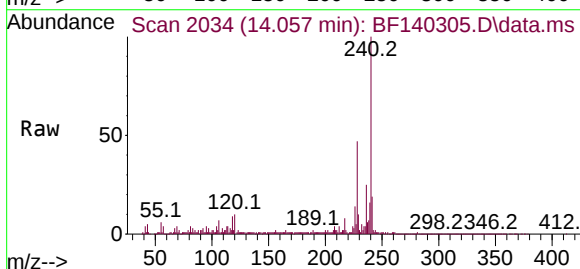
Tgt Ion:240 Resp: 223839

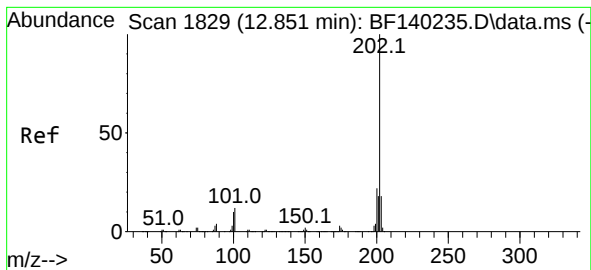
Ion Ratio Lower Upper

240 100

120 10.1 7.5 11.3

236 24.9 20.9 31.3





#78

Pyrene

Concen: 19.762 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

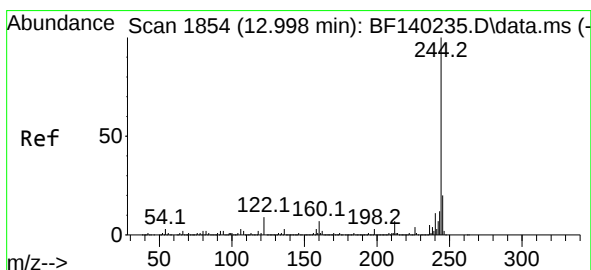
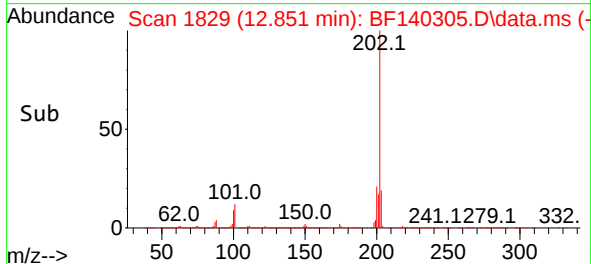
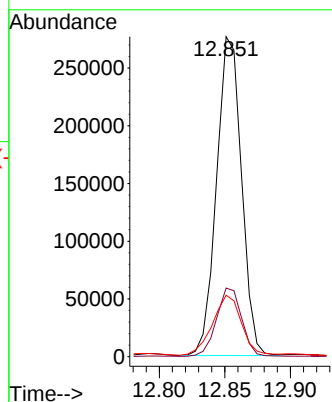
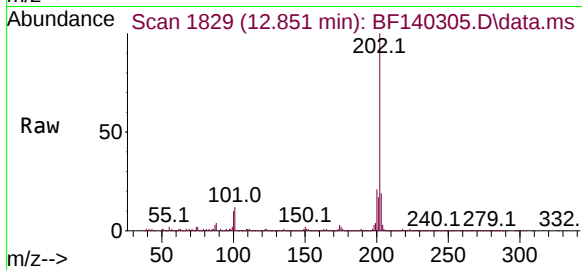
Tgt Ion:202 Resp: 365243

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

203 19.2 14.4 21.6



#79

Terphenyl-d14

Concen: 30.097 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

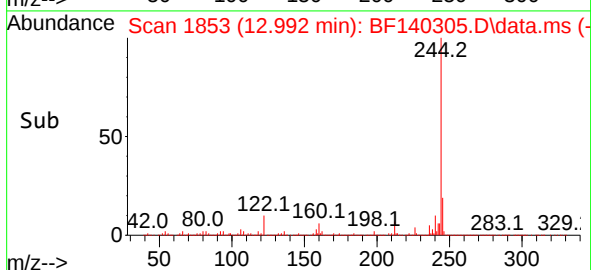
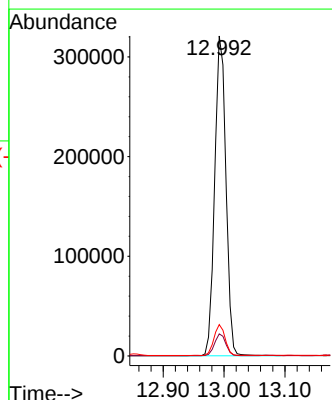
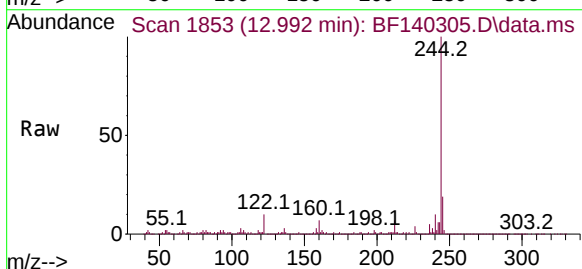
Tgt Ion:244 Resp: 411258

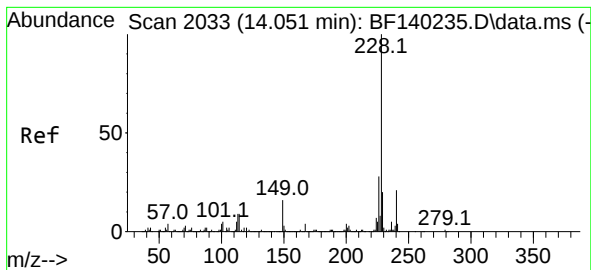
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.8 7.6 11.4





#81

Benzo(a)anthracene

Concen: 12.505 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

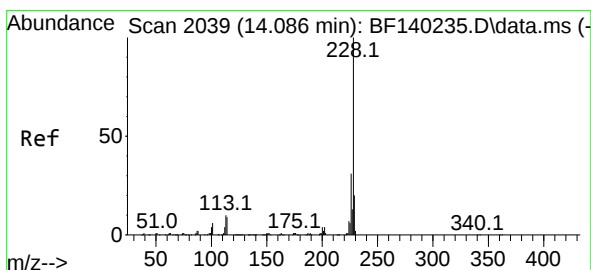
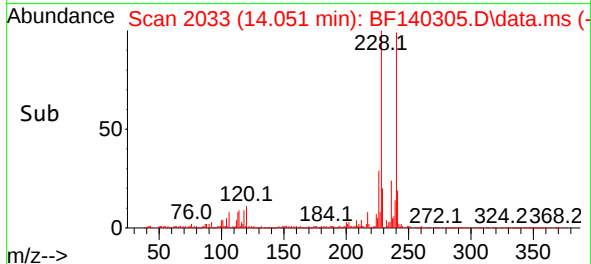
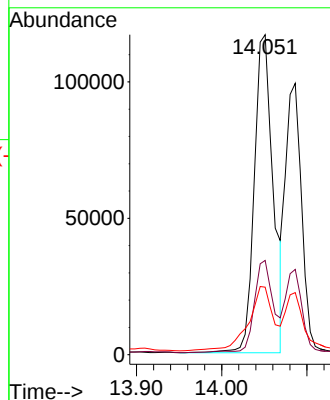
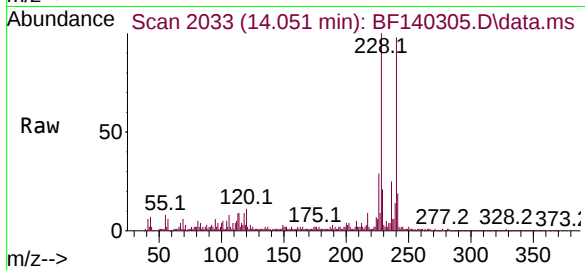
Tgt Ion:228 Resp: 179631

Ion Ratio Lower Upper

228 100

226 29.5 22.3 33.5

229 21.1 16.1 24.1



#83

Chrysene

Concen: 9.532 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

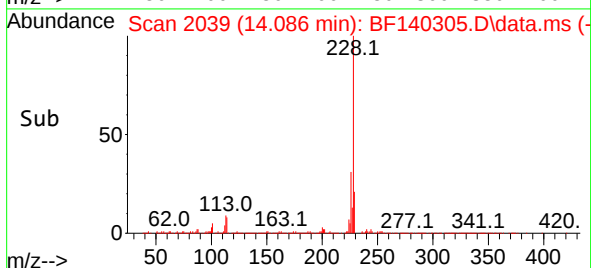
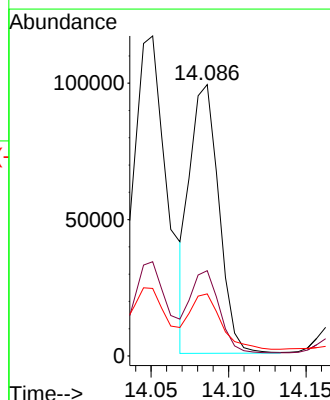
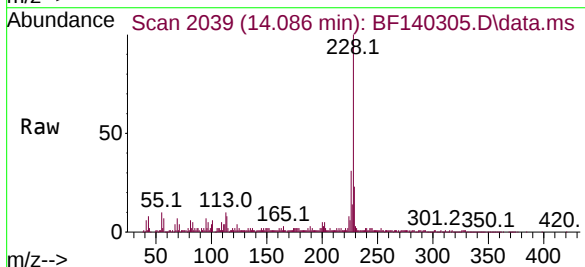
Tgt Ion:228 Resp: 128225

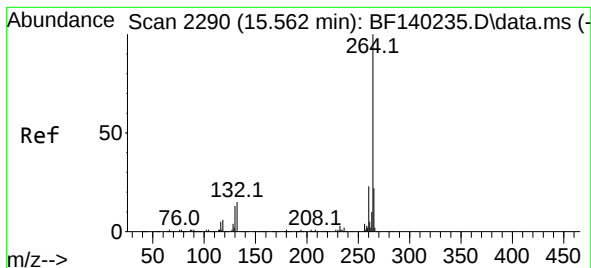
Ion Ratio Lower Upper

228 100

226 31.4 24.6 36.8

229 22.9 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

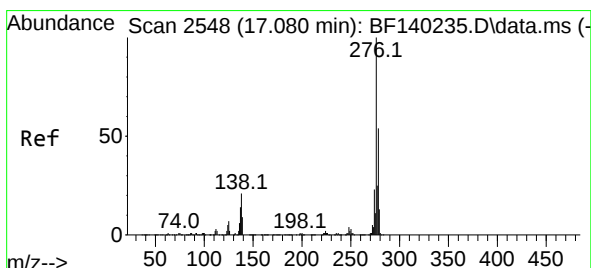
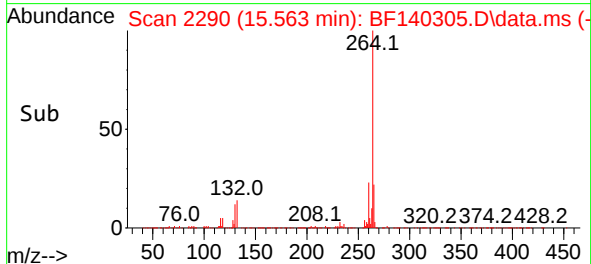
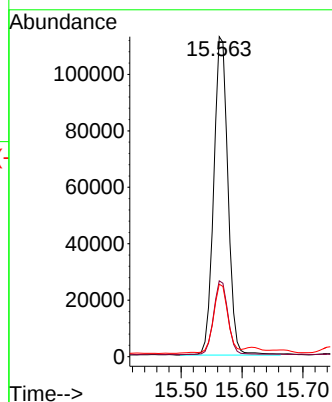
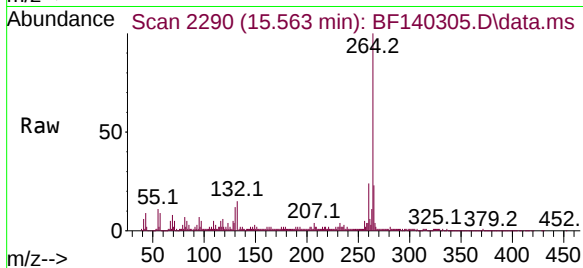
Tgt Ion:264 Resp: 183726

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.7 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.367 ng

RT: 17.074 min Scan# 2547

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

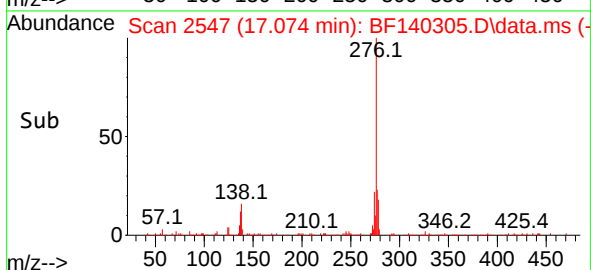
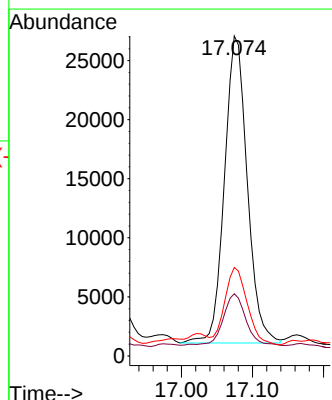
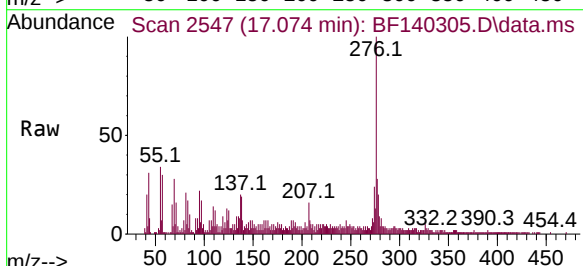
Tgt Ion:276 Resp: 57877

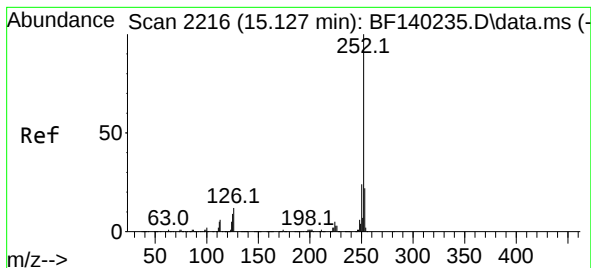
Ion Ratio Lower Upper

276 100

138 16.8 17.6 26.4#

277 24.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 17.099 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

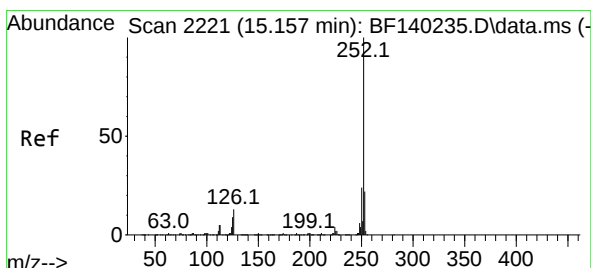
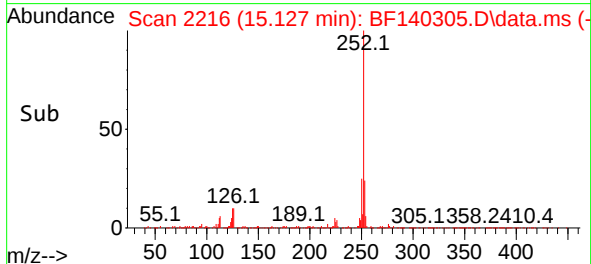
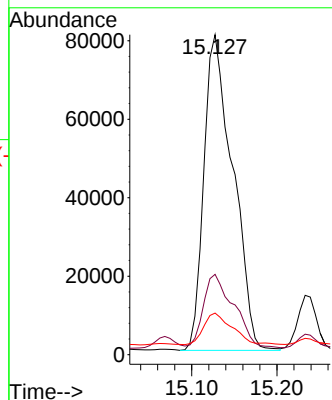
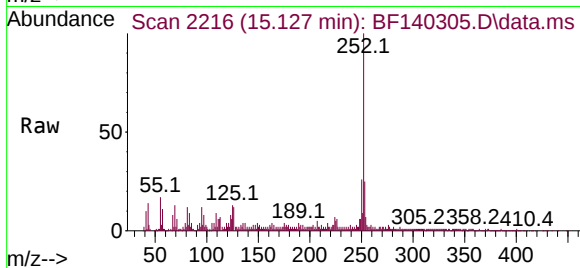
Tgt Ion:252 Resp: 190025

Ion Ratio Lower Upper

252 100

253 25.1 17.9 26.9

125 13.0 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 18.634 ng

RT: 15.127 min Scan# 2216

Delta R.T. -0.029 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

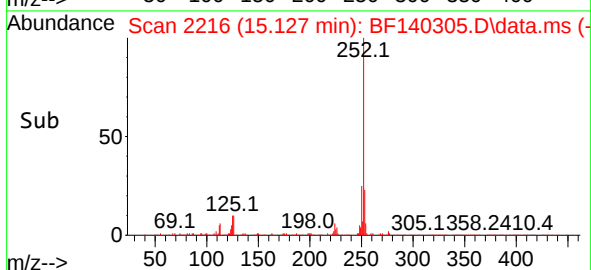
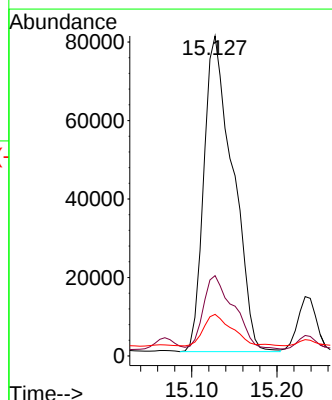
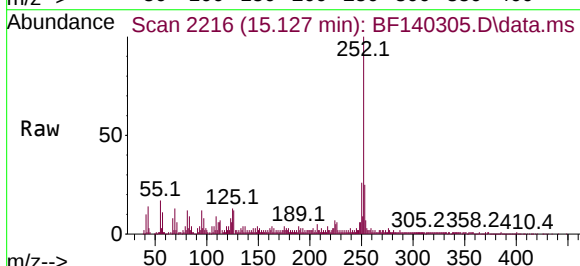
Tgt Ion:252 Resp: 190025

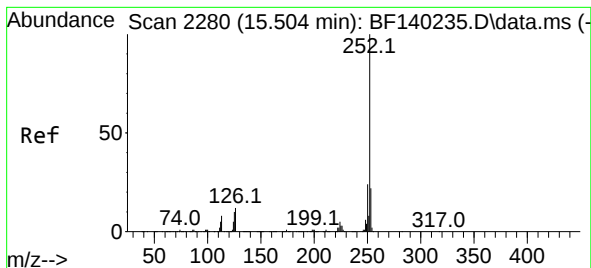
Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.8

125 13.0 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 11.683 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

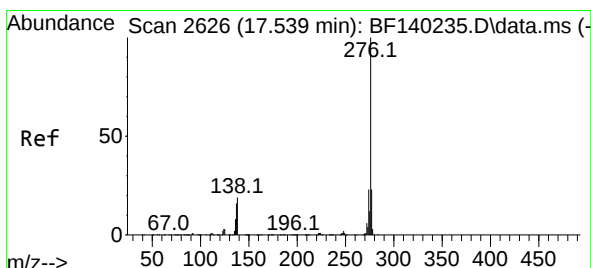
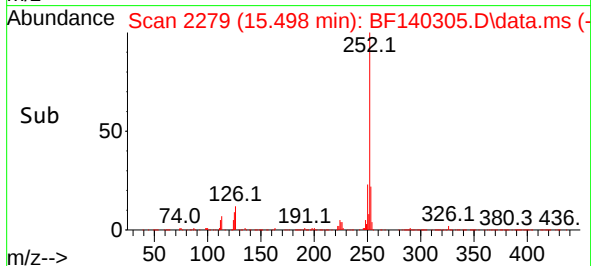
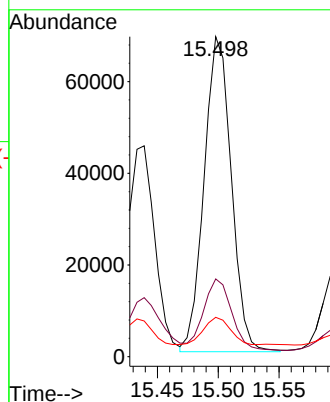
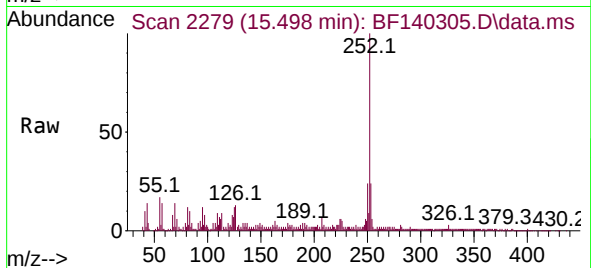
Tgt Ion:252 Resp: 107049

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.0

125 12.3 7.6 11.4#



#92

Benzo(g,h,i)perylene

Concen: 6.321 ng

RT: 17.533 min Scan# 2625

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Tgt Ion:276 Resp: 57209

Ion Ratio Lower Upper

276 100

277 26.3 18.8 28.2

138 20.0 15.3 22.9

