

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140710.D
 Acq On : 03 Dec 2024 14:59
 Operator : RC/JU
 Sample : P5021-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-08

Quant Time: Dec 03 15:20:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

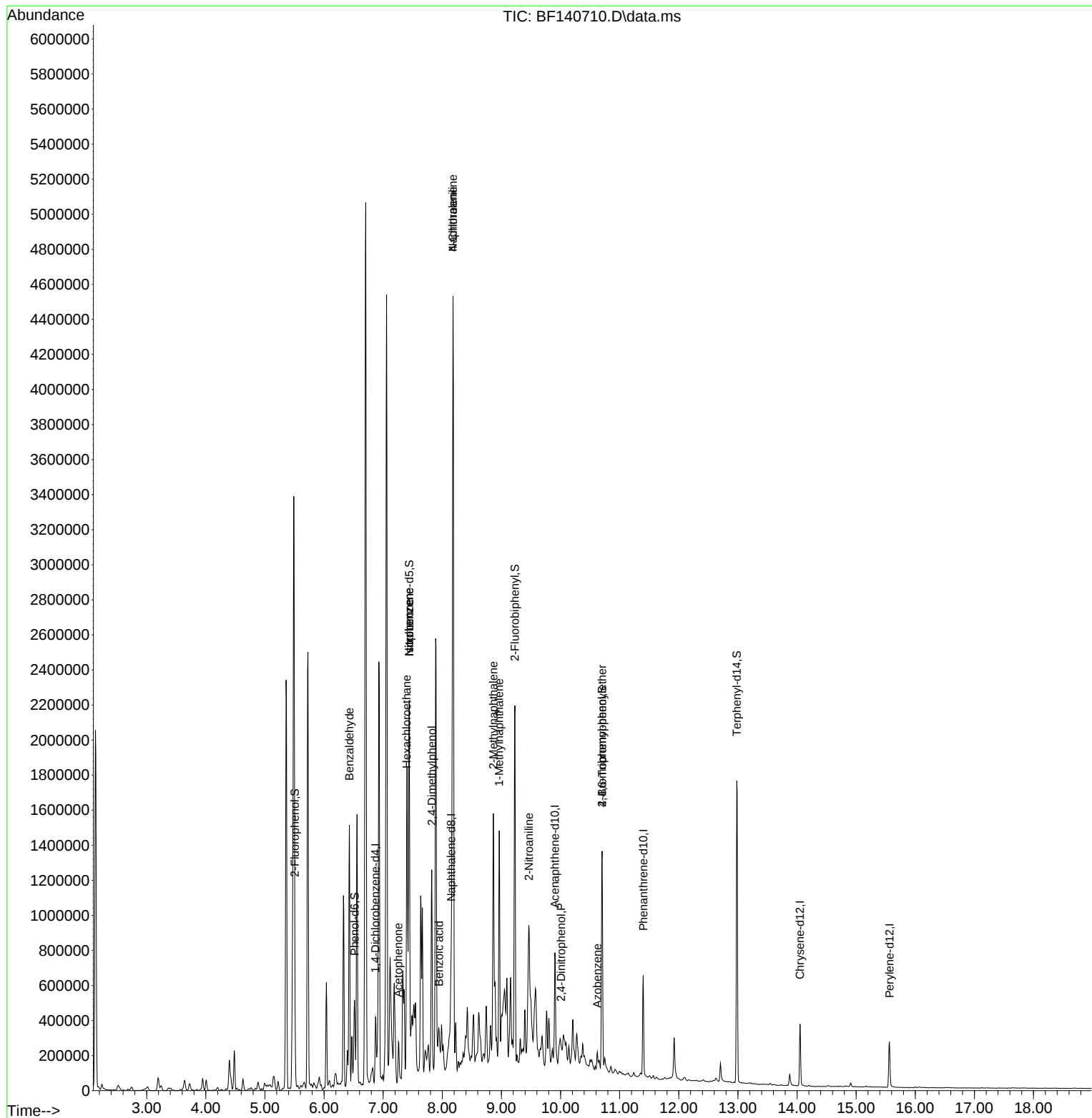
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	83408	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	298688	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	174661	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	305249	20.000	ng	0.00
76) Chrysene-d12	14.051	240	169161	20.000	ng	0.00
86) Perylene-d12	15.563	264	157526	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	248109	50.754	ng	0.00
7) Phenol-d6	6.516	99	245388	37.970	ng	0.00
23) Nitrobenzene-d5	7.440	82	443409	75.934	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	224850	120.369	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	898488	76.645	ng	0.00
79) Terphenyl-d14	12.980	244	876447	80.677	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.428	77	102121	29.849	ng	# 1
18) Hexachloroethane	7.398	117	178119	79.702	ng	# 1
22) Acetophenone	7.257	105	134909	18.527	ng	# 53
24) Nitrobenzene	7.440	77	29566	4.899	ng	# 8
25) Isophorone	7.440	82	437253	44.894	ng	# 66
27) 2,4-Dimethylphenol	7.822	122	34212	10.691	ng	94
31) Naphthalene	8.181	128	3017917	196.159	ng	98
32) Benzoic acid	7.945	122	18696	12.900	ng	# 59
33) 4-Chloroaniline	8.181	127	422114	91.637	ng	# 32
37) 2-Methylnaphthalene	8.863	142	453953	46.455	ng	99
38) 1-Methylnaphthalene	8.963	142	308697	32.228	ng	100
48) 2-Nitroaniline	9.463	65	39606	12.488	ng	# 27
54) 2,4-Dinitrophenol	10.010	184	501	8.157	ng	# 1
63) Azobenzene	10.622	77	25672	2.320	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	14447	4.596	ng	# 1

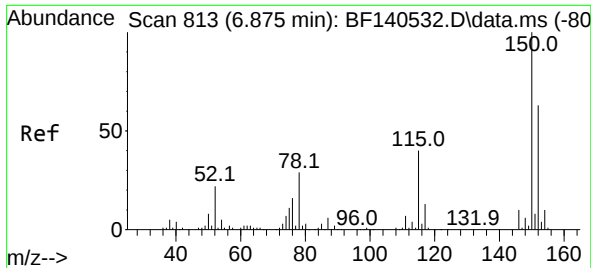
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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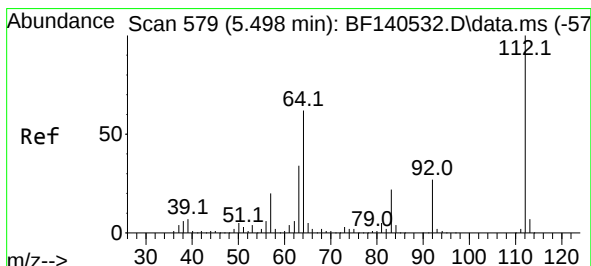
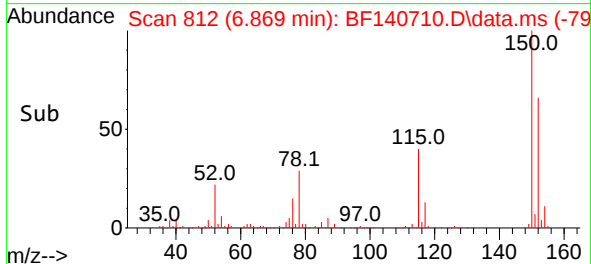
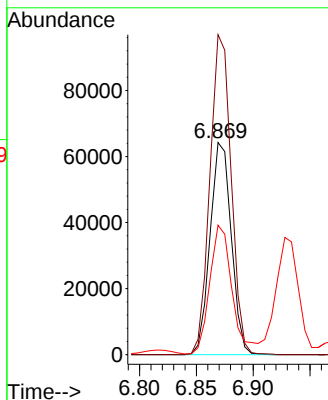
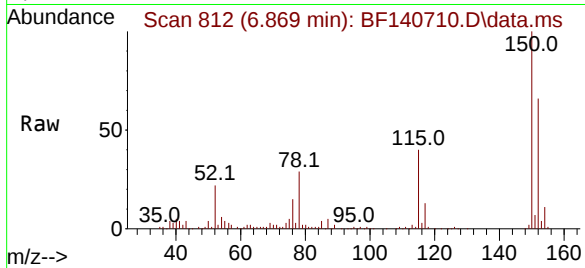




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

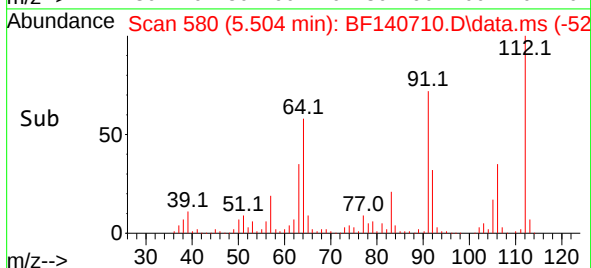
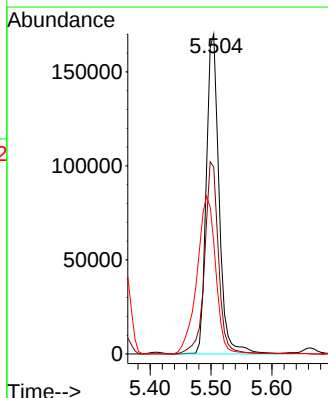
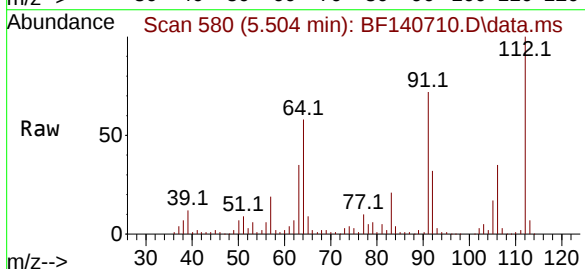
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BNA_F
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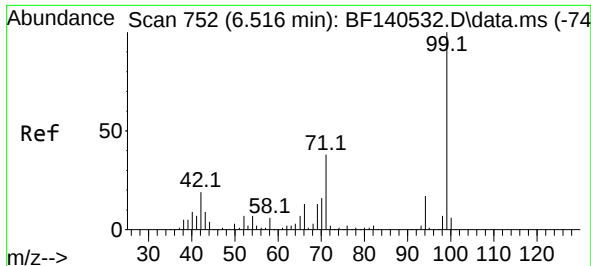
Tgt Ion:152 Resp: 83408
Ion Ratio Lower Upper
152 100
150 150.8 128.5 192.7
115 61.0 50.2 75.4



#5
2-Fluorophenol
Concen: 50.754 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion:112 Resp: 248109
Ion Ratio Lower Upper
112 100
64 58.4 49.2 73.8
63 35.0 27.0 40.4

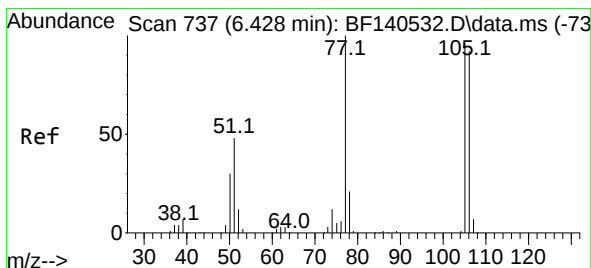
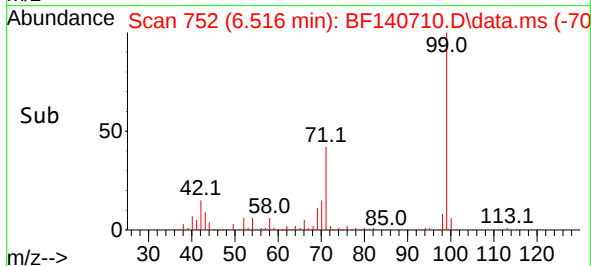
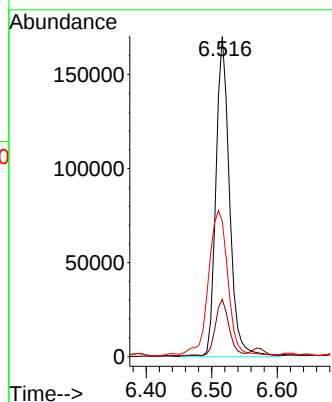
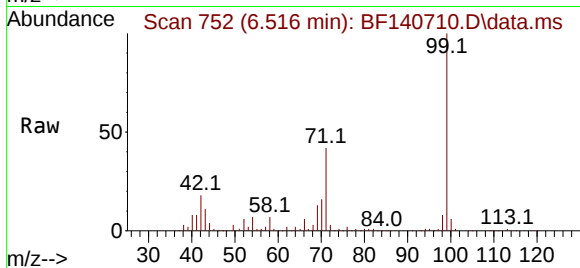




#7
Phenol-d6
Concen: 37.970 ng
RT: 6.516 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

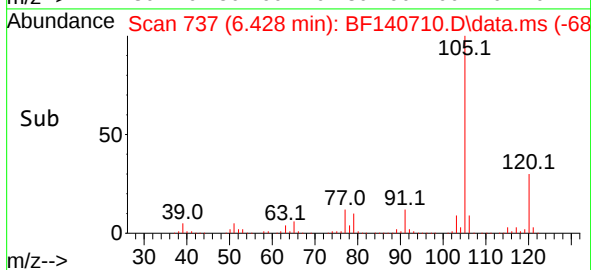
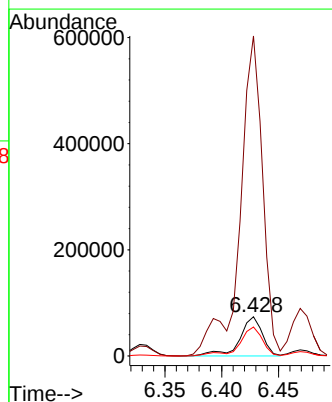
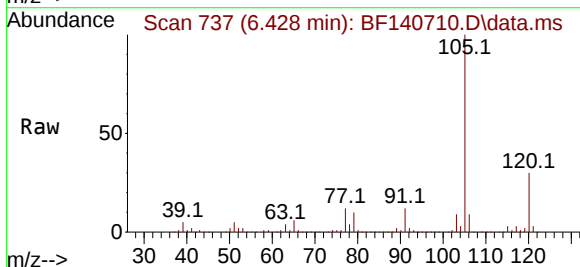
Instrument :
BNA_F
ClientSampleId :
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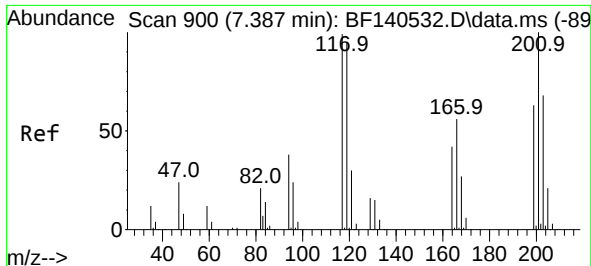
Tgt Ion: 99 Resp: 245388
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 42.4 30.6 46.0



#9
Benzaldehyde
Concen: 29.849 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.000 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion: 77 Resp: 102121
Ion Ratio Lower Upper
77 100
105 816.3 75.6 115.6#
106 73.8 72.0 112.0

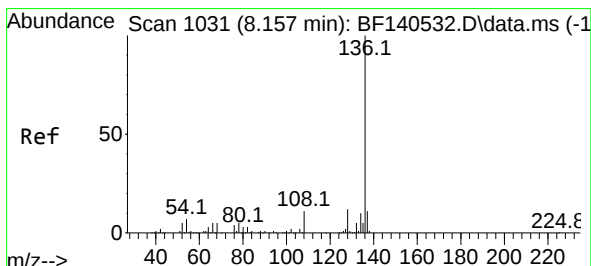
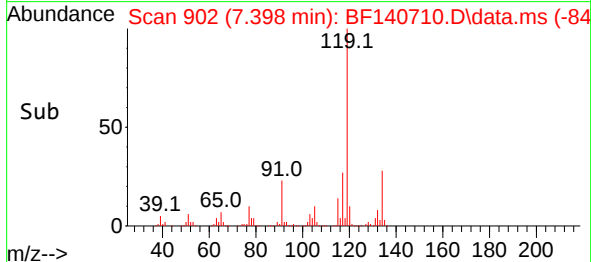
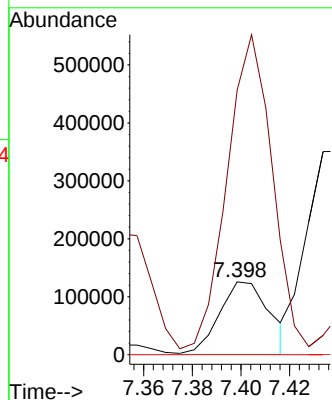
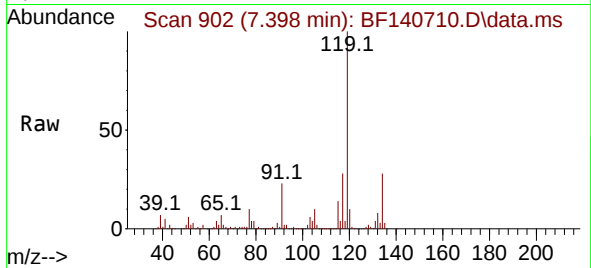




#18
Hexachloroethane
Concen: 79.702 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.012 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

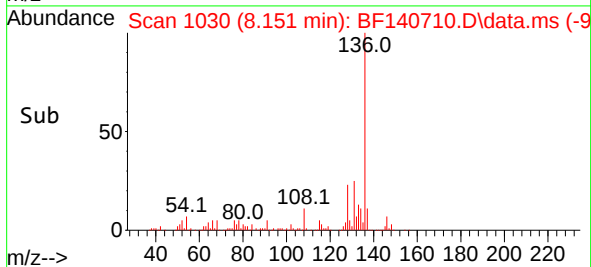
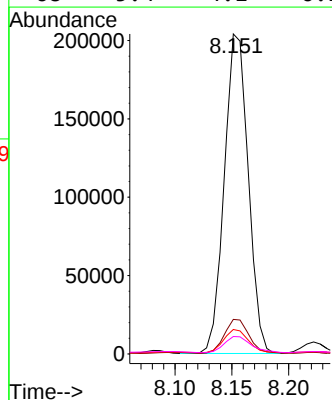
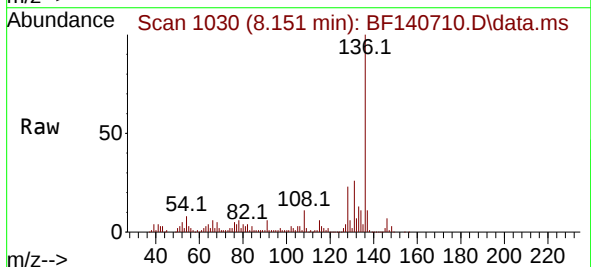
Instrument :
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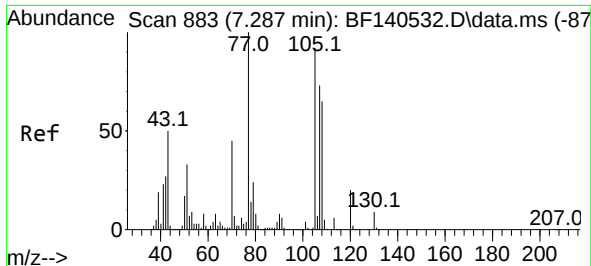
Tgt Ion:117 Resp: 178119
Ion Ratio Lower Upper
117 100
119 363.3 77.1 115.7#
201 0.0 81.1 121.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion:136 Resp: 298688
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.6 5.8 8.8
68 5.4 4.1 6.1

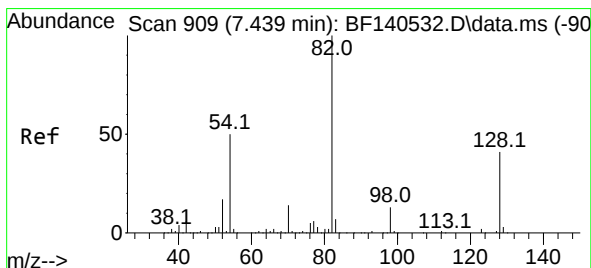
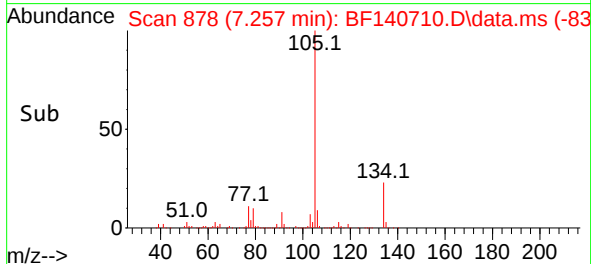
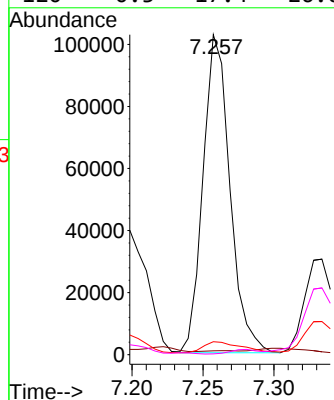
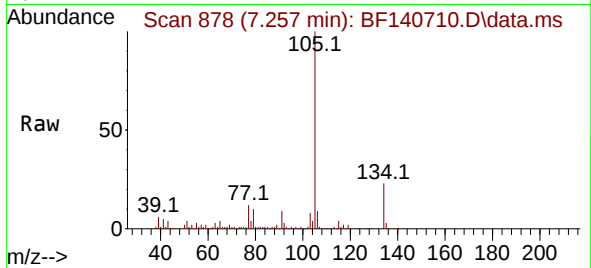




#22
Acetophenone
Concen: 18.527 ng
RT: 7.257 min Scan# 81
Delta R.T. -0.029 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

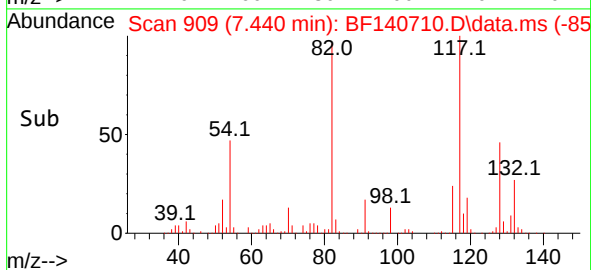
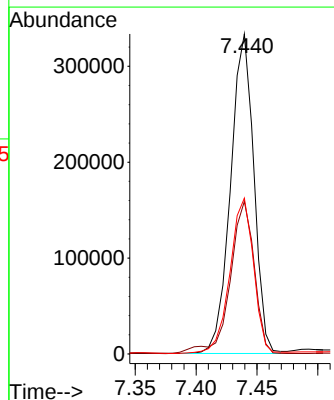
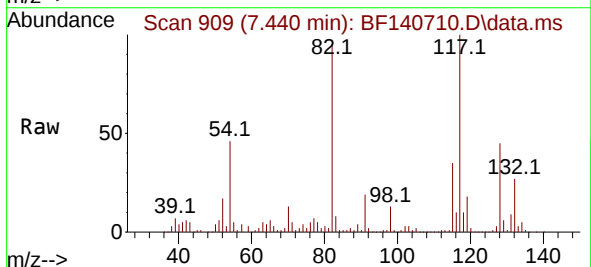
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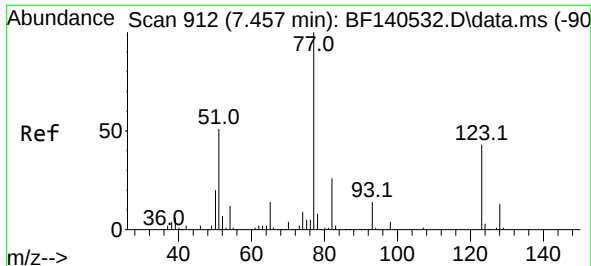
Tgt Ion:105 Resp: 134909
Ion Ratio Lower Upper
105 100
71 1.2 6.2 9.2#
51 4.1 29.0 43.6#
120 0.3 17.4 26.0#



#23
Nitrobenzene-d5
Concen: 75.934 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.000 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion: 82 Resp: 443409
Ion Ratio Lower Upper
82 100
128 47.7 33.0 49.4
54 48.7 39.5 59.3

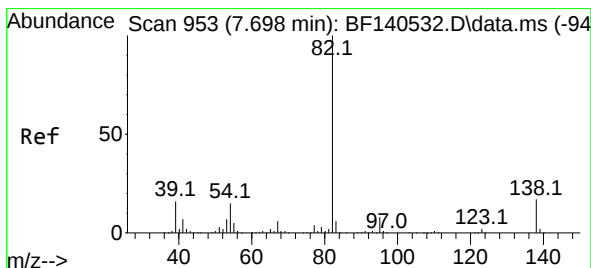
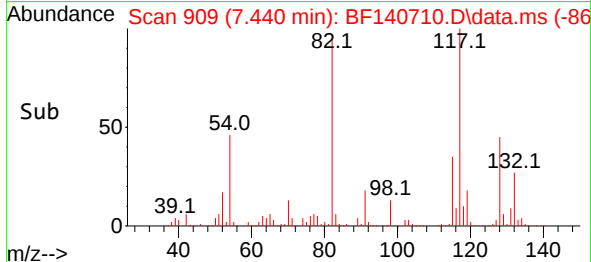
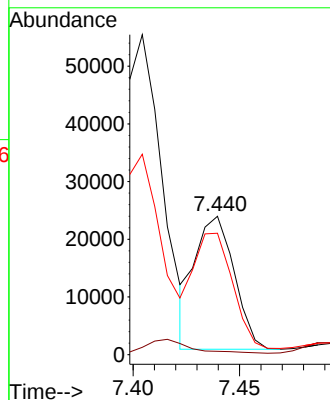
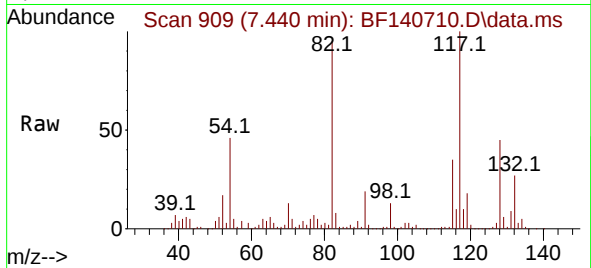




#24
Nitrobenzene
Concen: 4.899 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

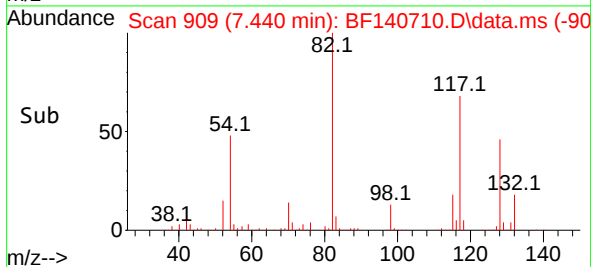
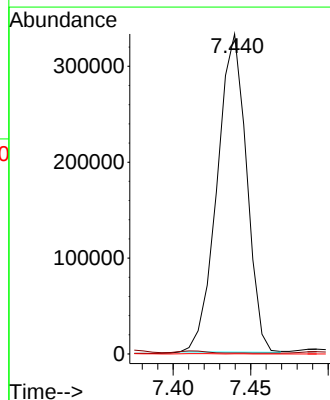
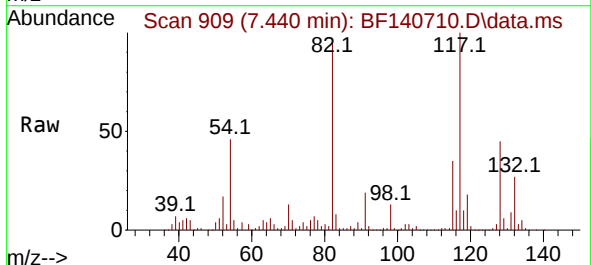
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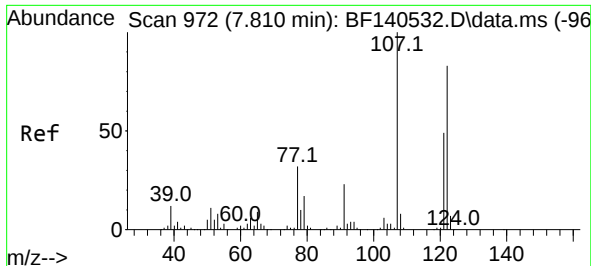
Tgt Ion: 77 Resp: 29566
Ion Ratio Lower Upper
77 100
123 2.5 34.3 51.5#
65 87.8 11.2 16.8#



#25
Isophorone
Concen: 44.894 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion: 82 Resp: 437253
Ion Ratio Lower Upper
82 100
95 0.3 6.4 9.6#
138 0.1 13.8 20.6#

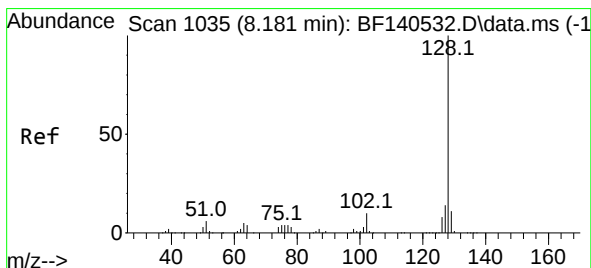
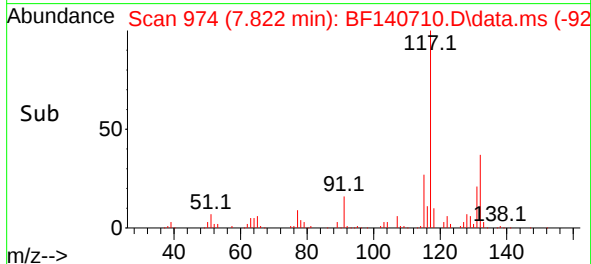
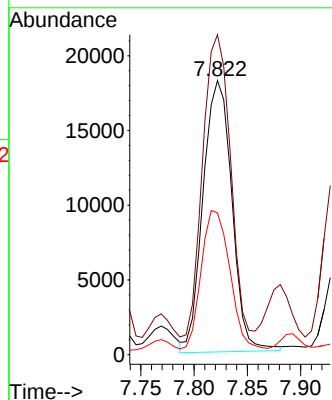
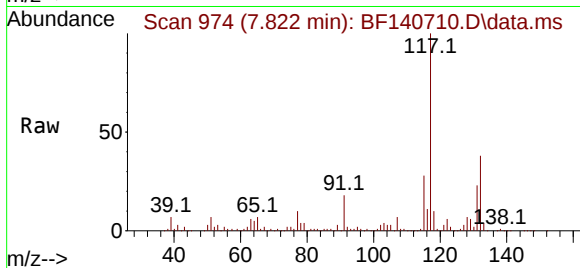




#27
2,4-Dimethylphenol
Concen: 10.691 ng
RT: 7.822 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

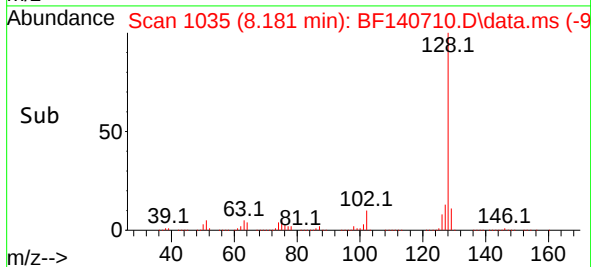
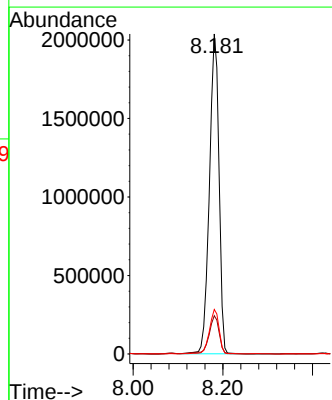
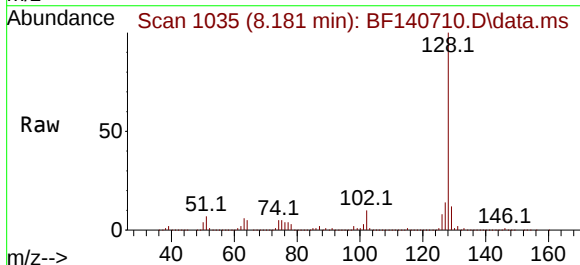
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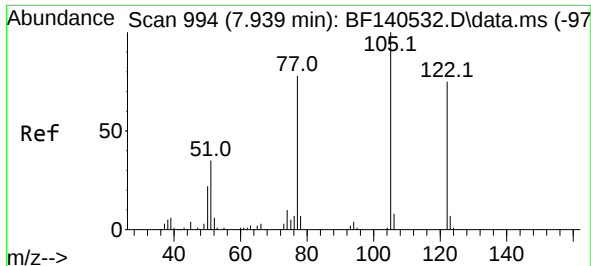
Tgt Ion:122 Resp: 34212
Ion Ratio Lower Upper
122 100
107 116.8 96.8 145.2
121 51.8 47.4 71.0



#31
Naphthalene
Concen: 196.159 ng
RT: 8.181 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion:128 Resp: 3017917
Ion Ratio Lower Upper
128 100
129 11.9 8.6 13.0
127 13.9 10.8 16.2

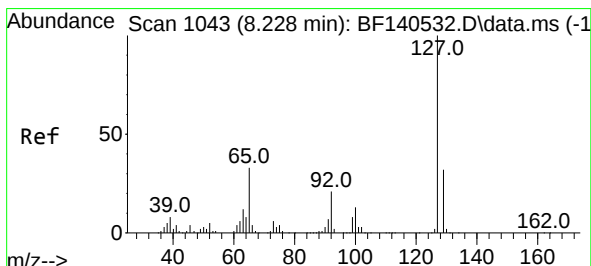
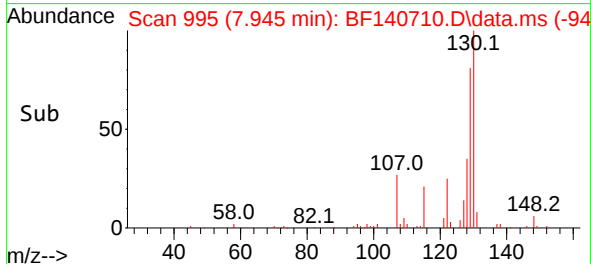
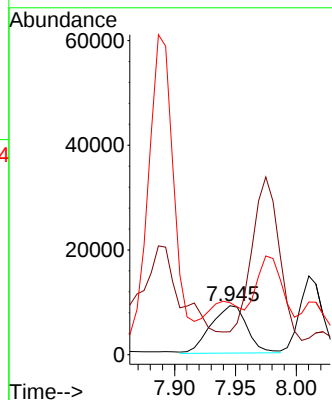
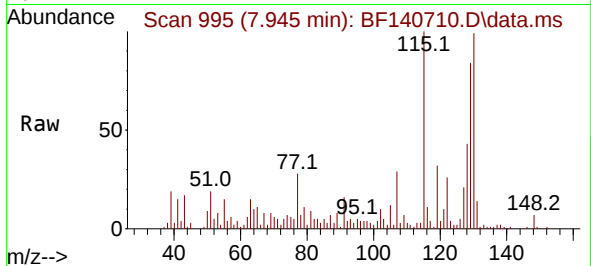




#32
Benzoic acid
Concen: 12.900 ng
RT: 7.945 min Scan# 994
Delta R.T. 0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

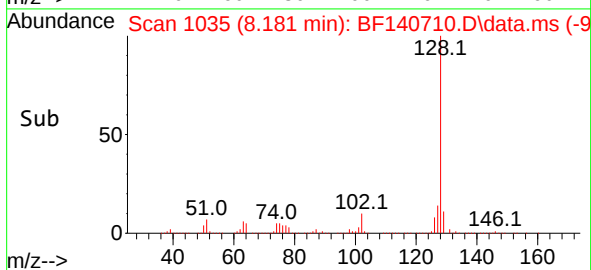
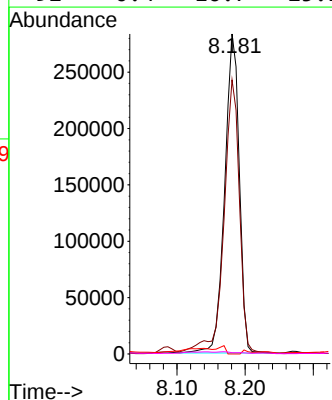
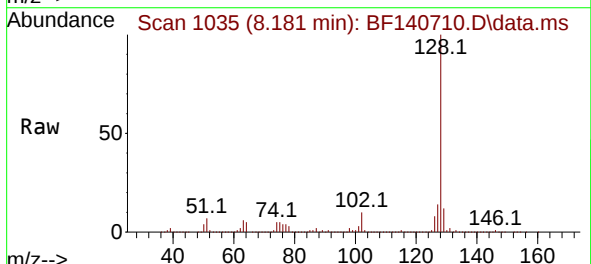
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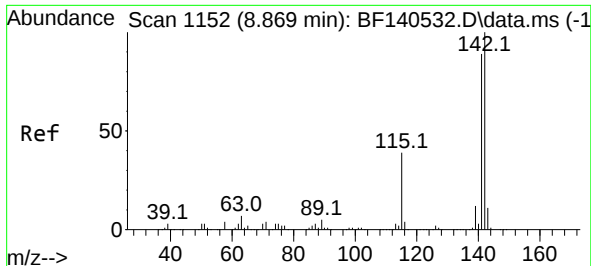
Tgt Ion:122 Resp: 18696
Ion Ratio Lower Upper
122 100
105 46.5 109.3 149.3#
77 106.2 82.3 122.3



#33
4-Chloroaniline
Concen: 91.637 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.047 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion:127 Resp: 422114
Ion Ratio Lower Upper
127 100
129 85.6 26.0 39.0#
65 0.0 26.0 39.0#
92 0.4 16.7 25.1#





#37

2-Methylnaphthalene

Concen: 46.455 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA_F

ClientSampleId :

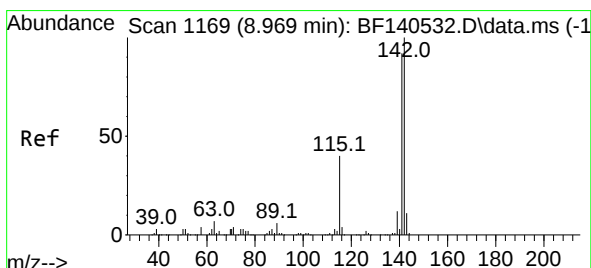
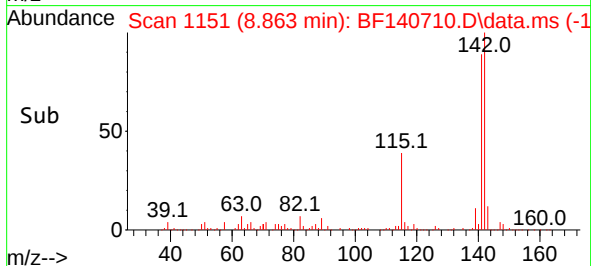
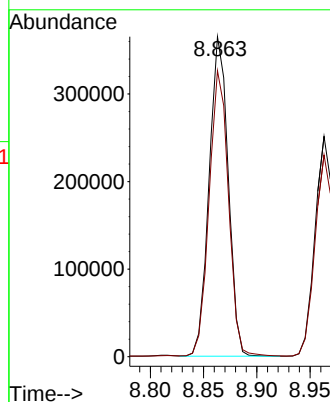
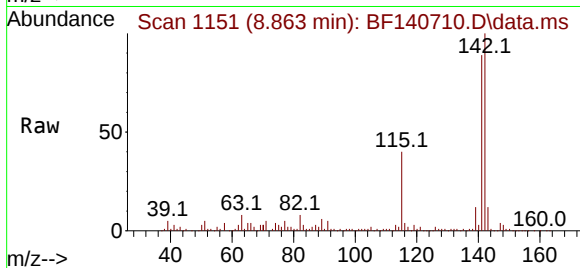
MW-08

Tgt Ion:142 Resp: 453953

Ion Ratio Lower Upper

142 100

141 89.4 71.0 106.6



#38

1-Methylnaphthalene

Concen: 32.228 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140710.D

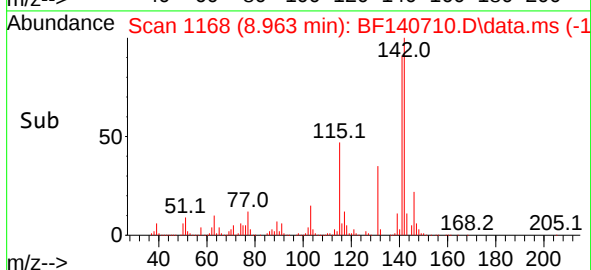
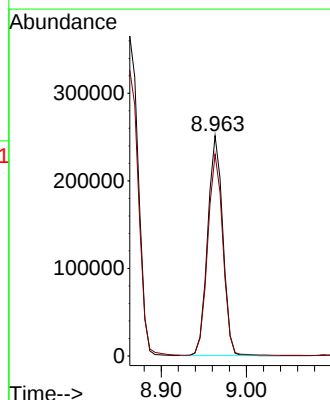
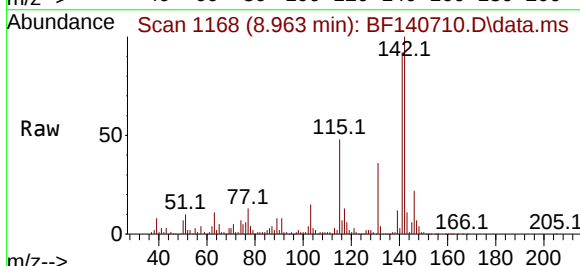
Acq: 03 Dec 2024 14:59

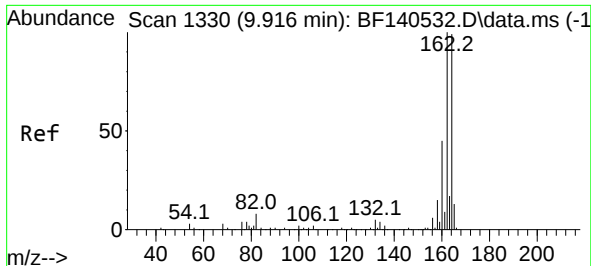
Tgt Ion:142 Resp: 308697

Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA_F

ClientSampleId :

MW-08

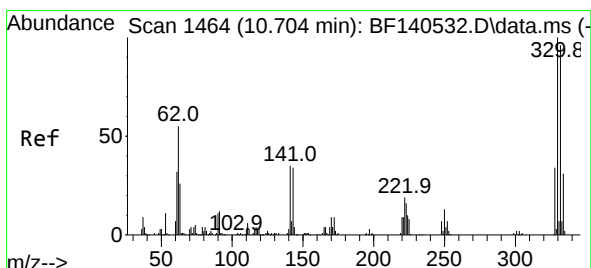
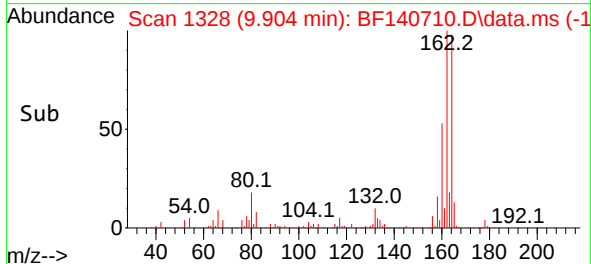
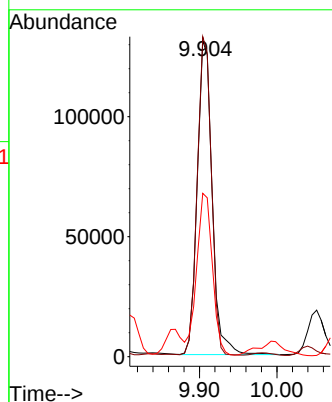
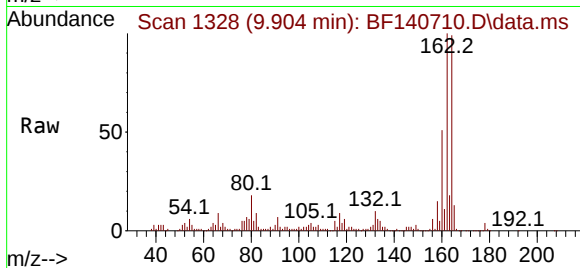
Tgt Ion:164 Resp: 174661

Ion Ratio Lower Upper

164 100

162 101.2 80.6 120.8

160 51.7 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 120.369 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

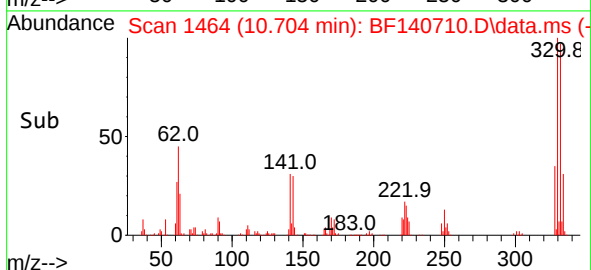
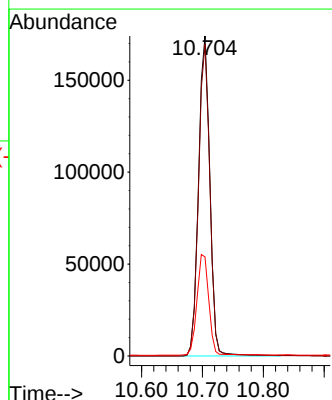
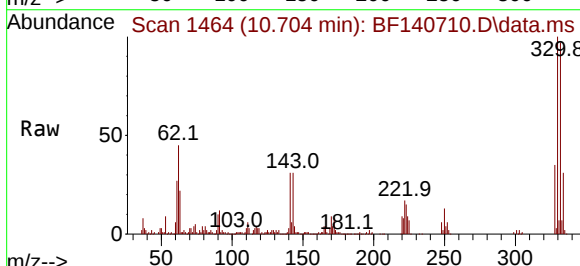
Tgt Ion:330 Resp: 224850

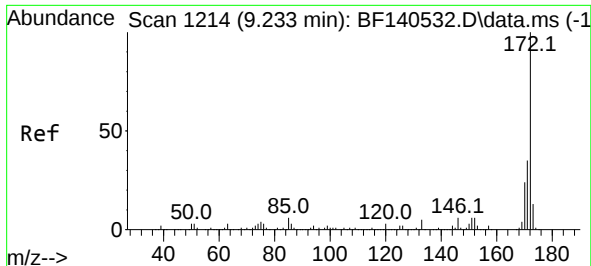
Ion Ratio Lower Upper

330 100

332 97.5 76.9 115.3

141 32.8 26.7 40.1

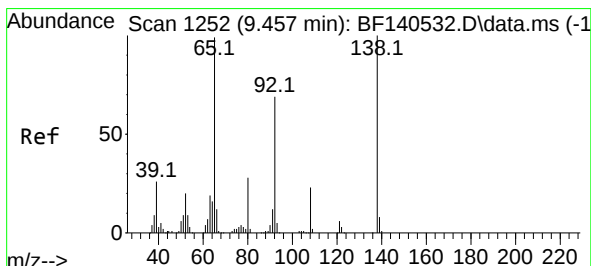
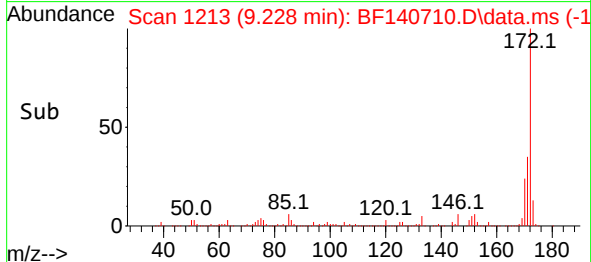
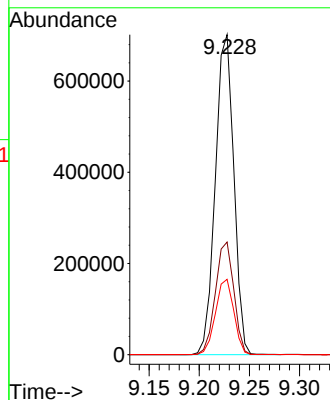
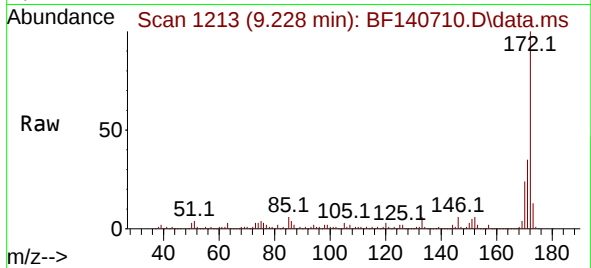




#45
2-Fluorobiphenyl
Concen: 76.645 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

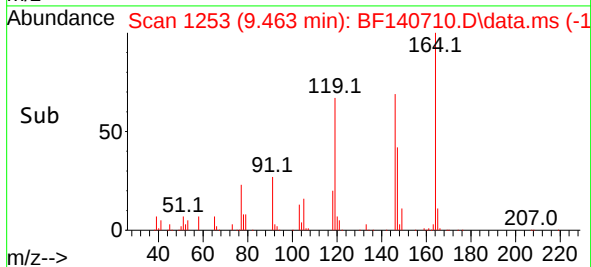
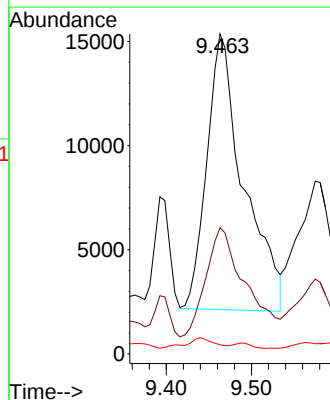
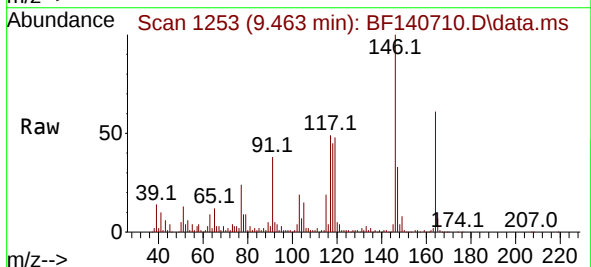
Instrument :
BNA_F
ClientSampleId :
MW-08

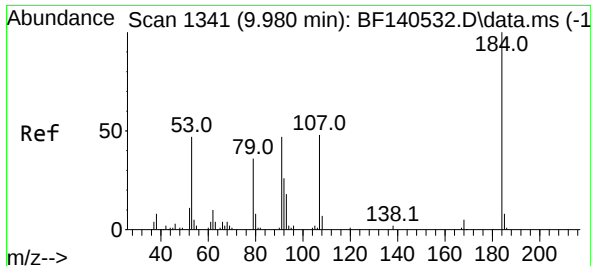
Tgt Ion:172 Resp: 898488
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.6 19.0 28.6



#48
2-Nitroaniline
Concen: 12.488 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion: 65 Resp: 39606
Ion Ratio Lower Upper
65 100
92 39.4 56.1 84.1#
138 2.9 81.0 121.6#

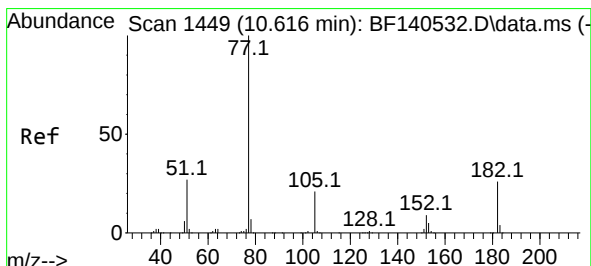
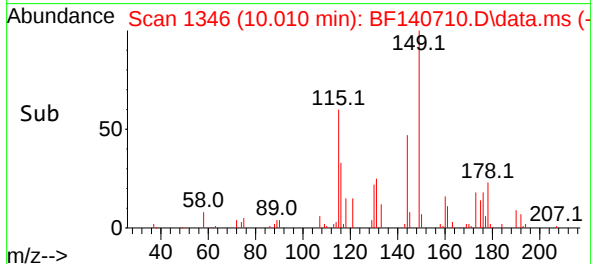
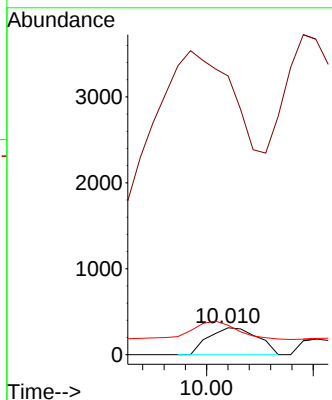
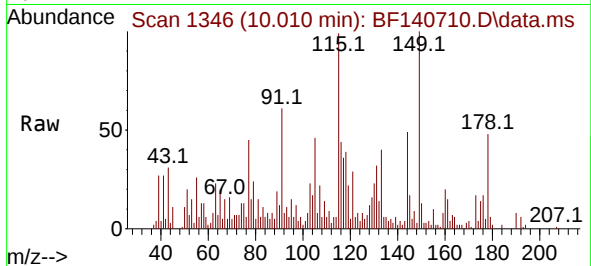




#54
2,4-Dinitrophenol
Concen: 8.157 ng
RT: 10.010 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

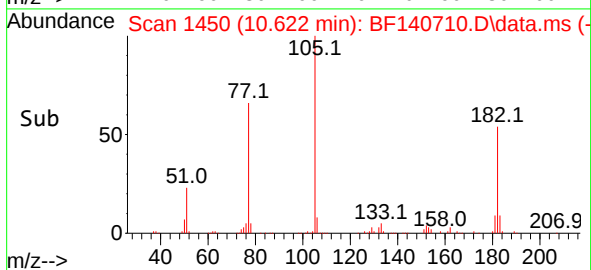
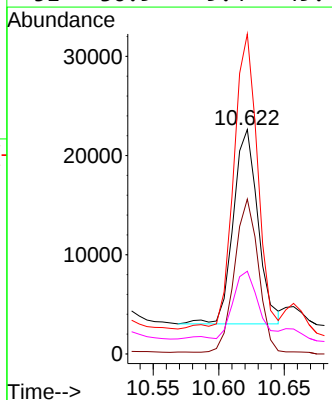
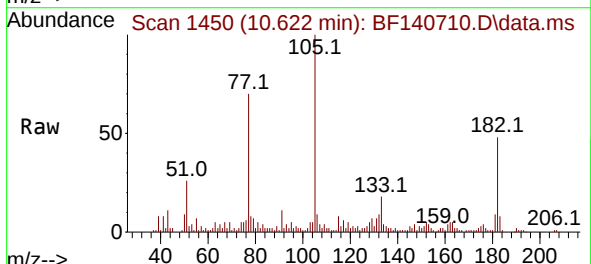
Instrument :
BNA_F
ClientSampleId :
MW-08

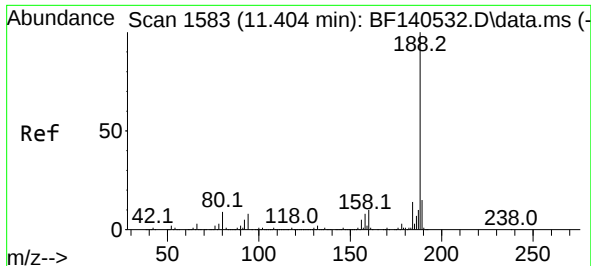
Tgt Ion:184 Resp: 501
Ion Ratio Lower Upper
184 100
63 1036.1 54.1 81.1#
154 109.6 57.4 86.0#



#63
Azobenzene
Concen: 2.320 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion: 77 Resp: 25672
Ion Ratio Lower Upper
77 100
182 69.0 5.3 45.3#
105 142.5 0.3 40.3#
51 36.9 9.4 49.4

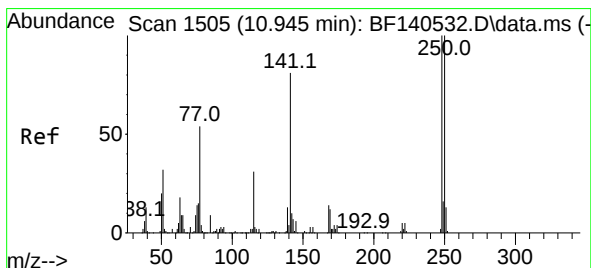
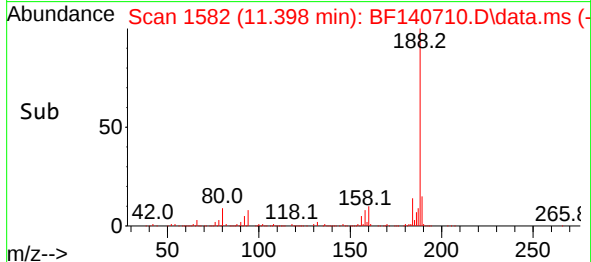
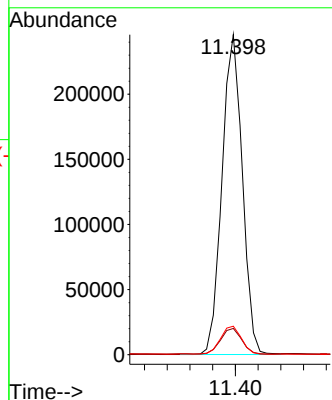
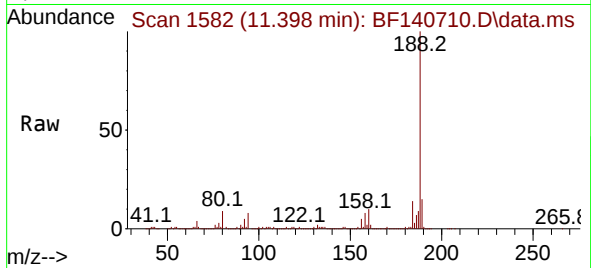




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

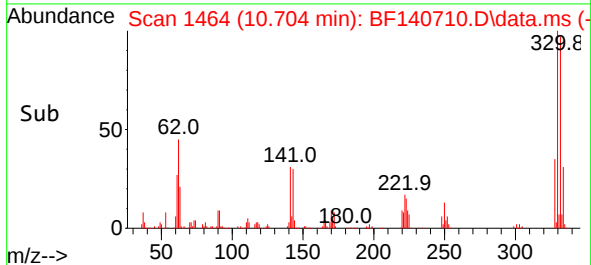
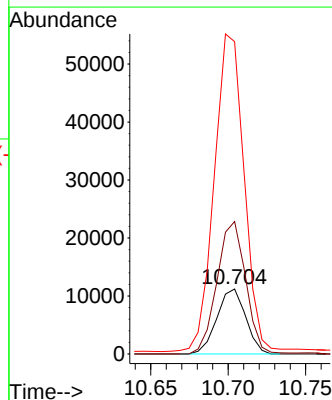
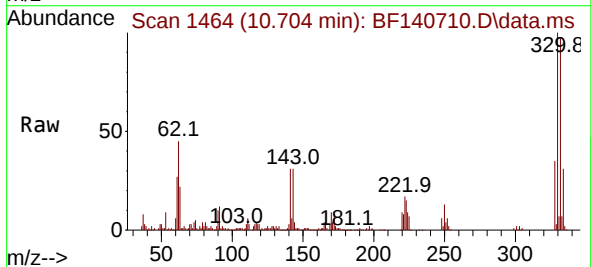
Instrument :
BNA_F
ClientSampleId :
MW-08

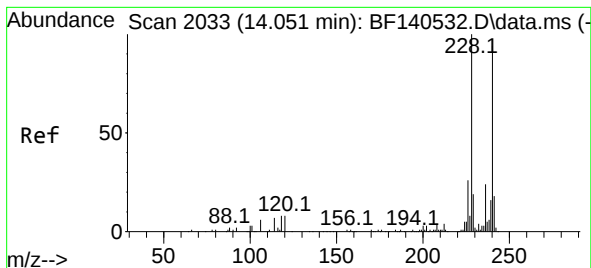
Tgt Ion:188 Resp: 305249
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.9 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.596 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.241 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion:248 Resp: 14447
Ion Ratio Lower Upper
248 100
250 204.1 79.8 119.8#
141 481.3 64.7 97.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA_F

ClientSampleId :

MW-08

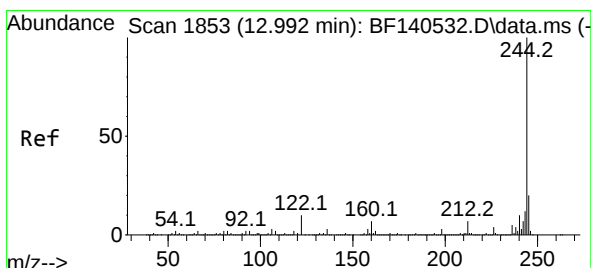
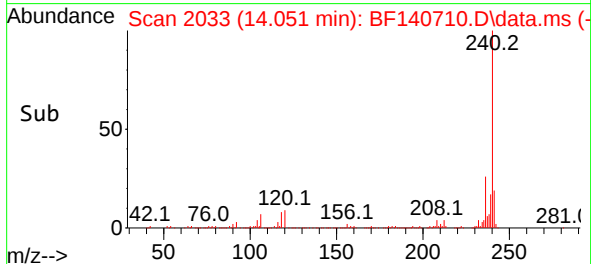
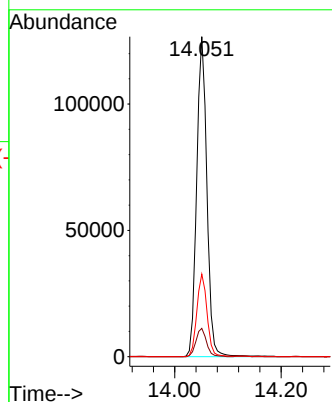
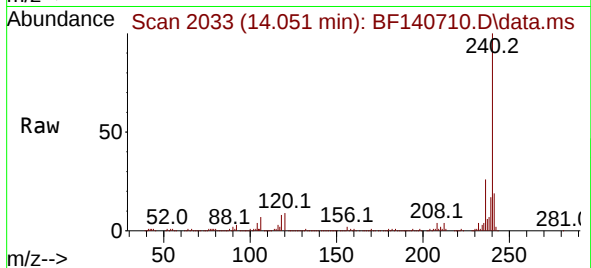
Tgt Ion:240 Resp: 169161

Ion Ratio Lower Upper

240 100

120 8.8 7.3 10.9

236 25.8 20.6 31.0



#79

Terphenyl-d14

Concen: 80.677 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

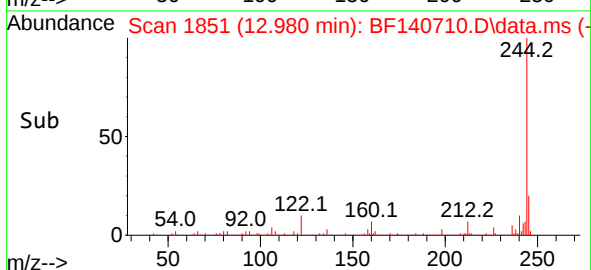
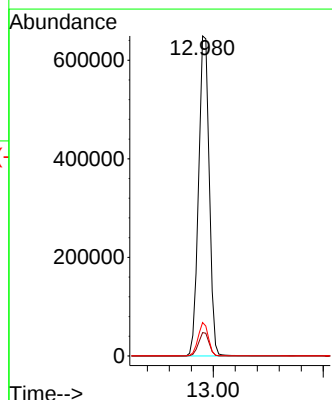
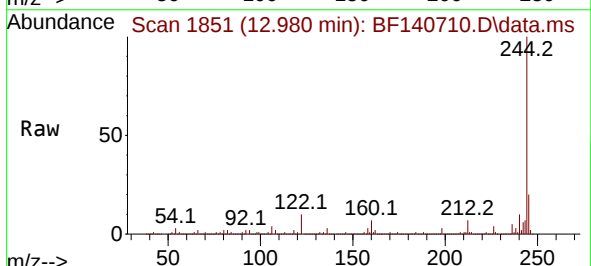
Tgt Ion:244 Resp: 876447

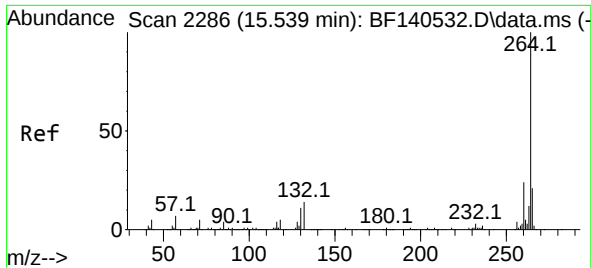
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 10.4 8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF140710.D
 Acq: 03 Dec 2024 14:59

Instrument :
 BNA_F
 ClientSampleId :
 MW-08

Tgt Ion:264 Resp: 157526
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.0 28.6
 265 21.2 16.6 25.0

