

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
 Data File : BF140903.D
 Acq On : 18 Dec 2024 14:09
 Operator : RC/JU
 Sample : P5270-07DL2 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20241212DL2

Quant Time: Dec 18 14:38:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

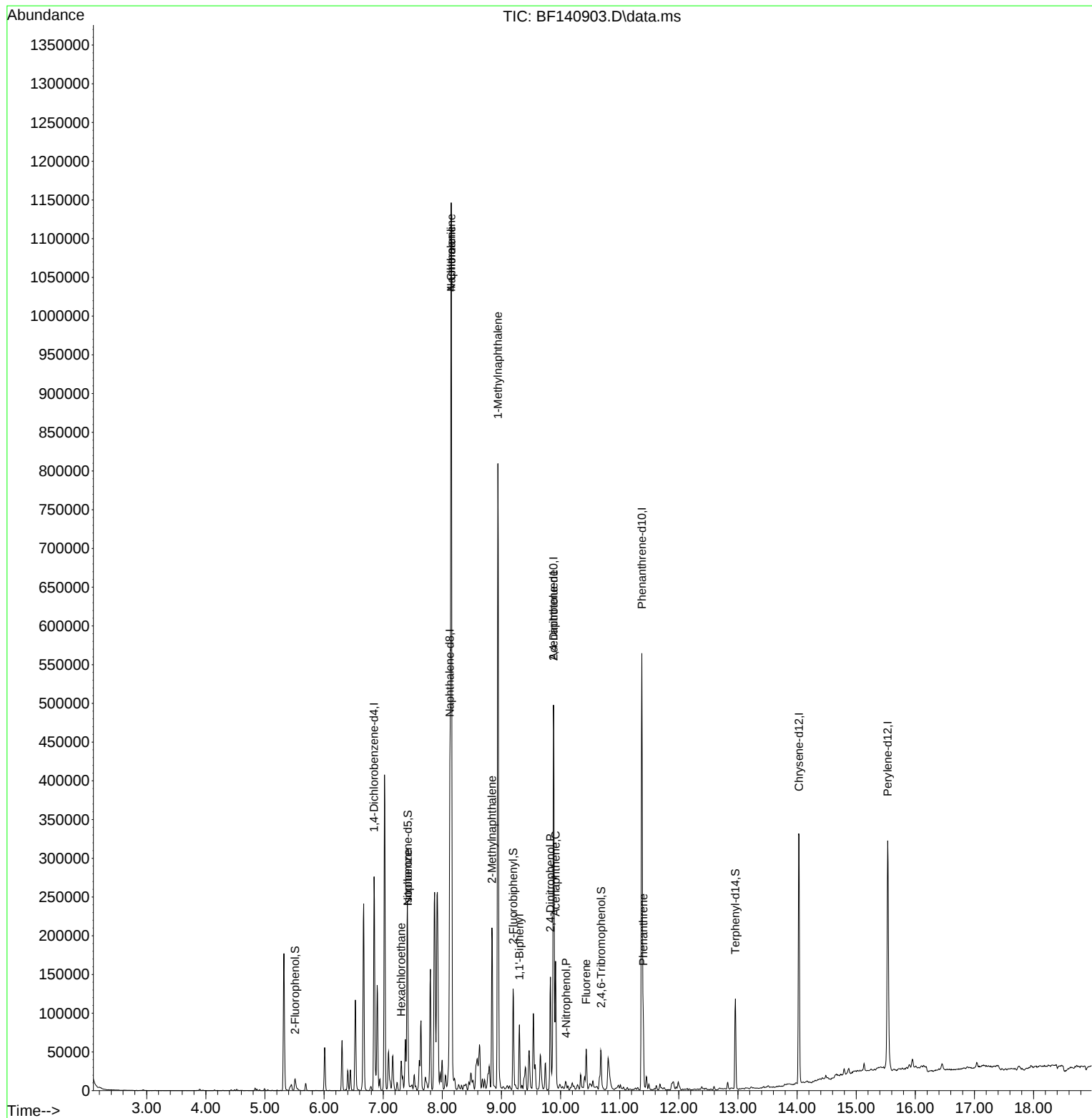
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	61168	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	250458	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	151708	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	301660	20.000	ng	0.00
76) Chrysene-d12	14.033	240	164695	20.000	ng	0.00
86) Perylene-d12	15.533	264	181077	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	10519	2.831	ng	0.02
7) Phenol-d6	6.528	99	9418	1.914	ng	0.03
23) Nitrobenzene-d5	7.416	82	22844	4.563	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	10257	5.717	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	57863	5.244	ng	0.00
79) Terphenyl-d14	12.957	244	58661	5.616	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.304	117	5272	3.022	ng	# 1
25) Isophorone	7.416	82	22844	2.723	ng	# 65
31) Naphthalene	8.151	128	701165	50.964	ng	100
33) 4-Chloroaniline	8.151	127	93425	20.446	ng	# 33
37) 2-Methylnaphthalene	8.839	142	82011	9.011	ng	99
38) 1-Methylnaphthalene	8.939	142	301927	33.545	ng	100
46) 1,1'-Biphenyl	9.304	154	38702	3.208	ng	98
52) Acenaphthene	9.916	154	48726	5.624	ng	99
54) 2,4-Dinitrophenol	9.827	184	134	6.644	ng	# 16
56) 4-Nitrophenol	10.092	139	1415	5.466	ng	# 5
57) 2,4-Dinitrotoluene	9.880	165	20071	6.239	ng	# 16
58) Fluorene	10.433	166	27558	2.488	ng	97
71) Phenanthrene	11.398	178	50501	3.255	ng	99

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

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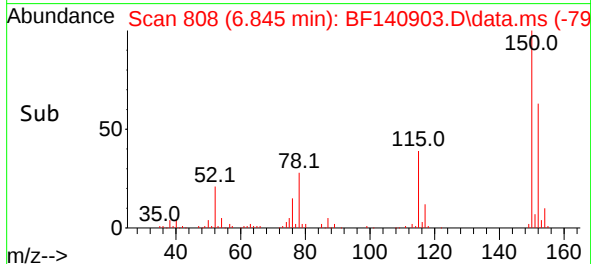
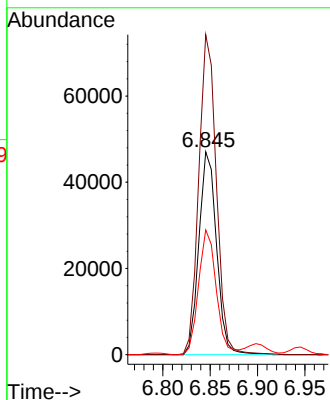
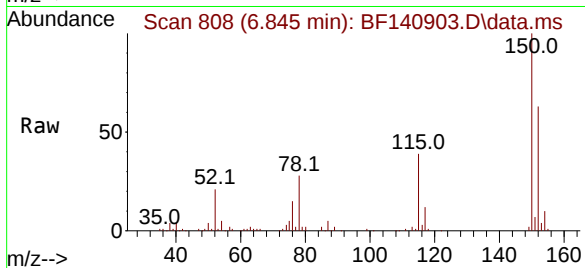




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

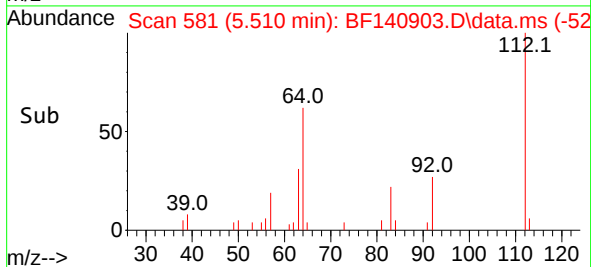
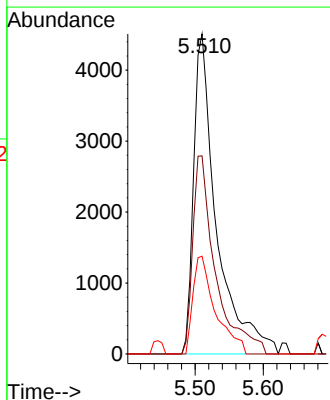
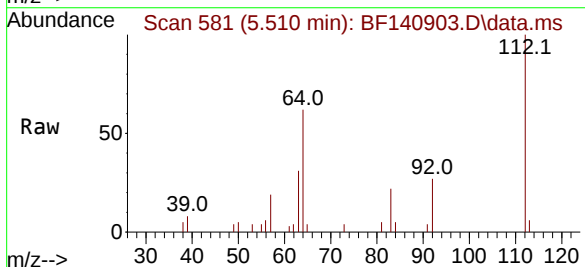
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

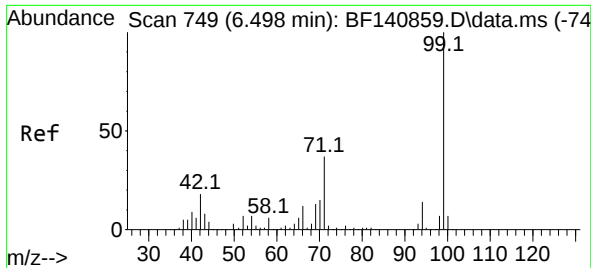
Tgt Ion:152 Resp: 61168
Ion Ratio Lower Upper
152 100
150 157.7 127.9 191.9
115 61.5 48.0 72.0



#5
2-Fluorophenol
Concen: 2.831 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.023 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion:112 Resp: 10519
Ion Ratio Lower Upper
112 100
64 61.9 46.1 69.1
63 30.6 24.9 37.3

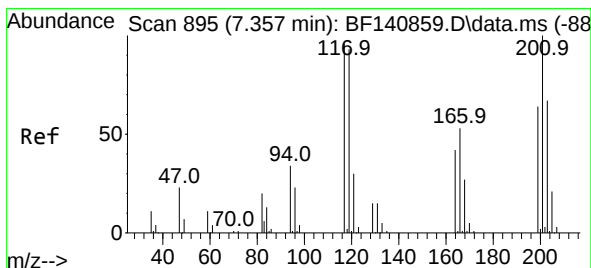
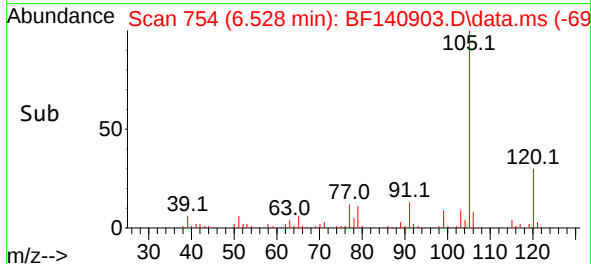
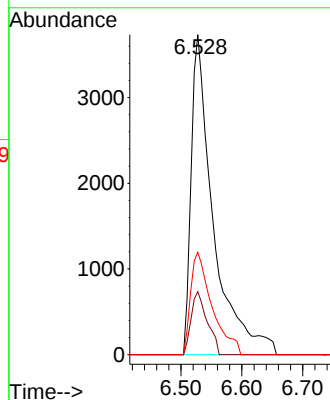
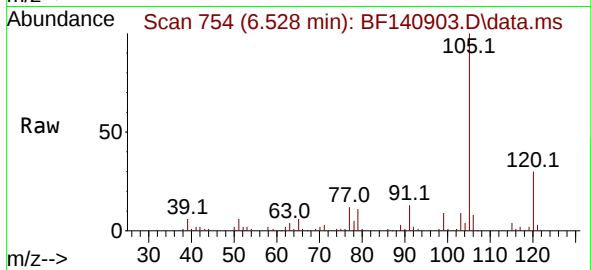




#7
Phenol-d6
Concen: 1.914 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.029 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

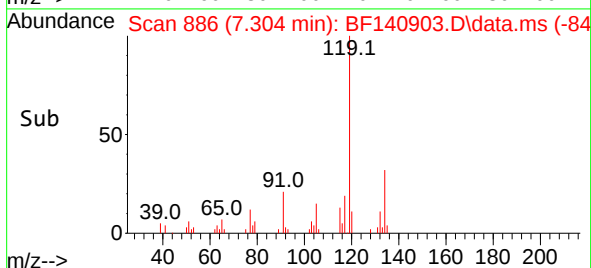
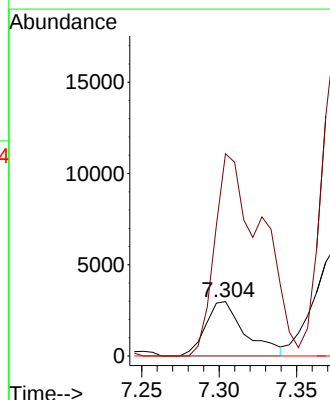
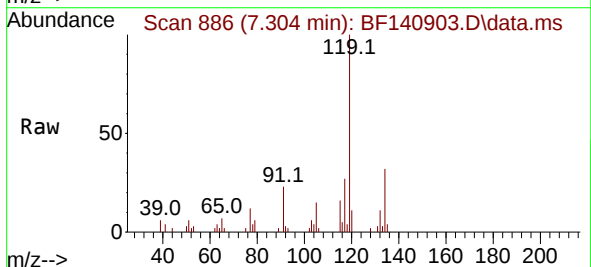
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

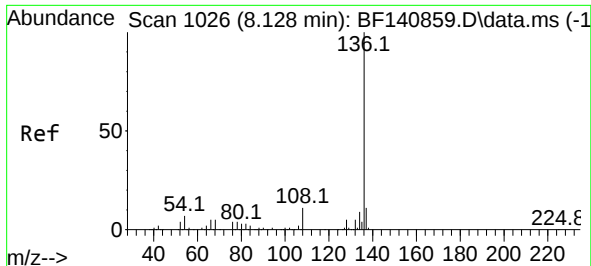
Tgt Ion: 99 Resp: 9418
Ion Ratio Lower Upper
99 100
42 19.7 14.3 21.5
71 32.0 29.9 44.9



#18
Hexachloroethane
Concen: 3.022 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.053 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion: 117 Resp: 5272
Ion Ratio Lower Upper
117 100
119 371.6 77.4 116.0#
201 0.0 83.4 125.0#

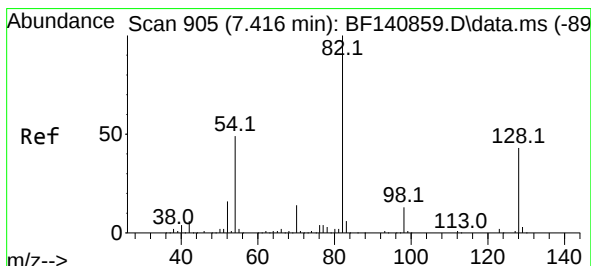
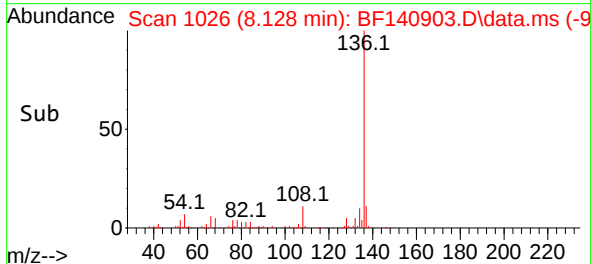
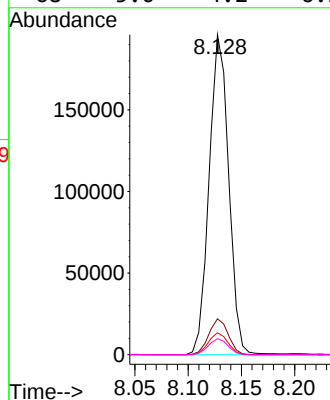
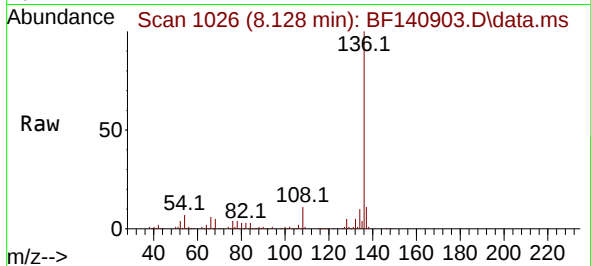




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

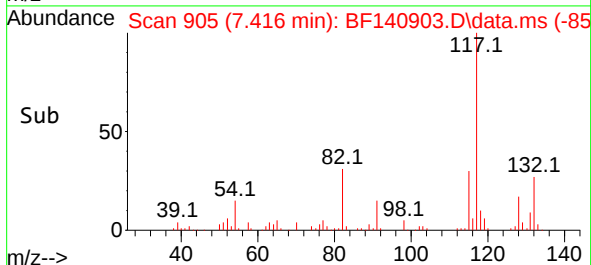
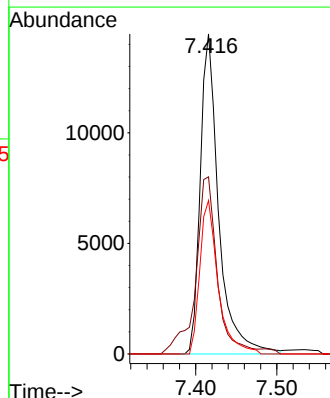
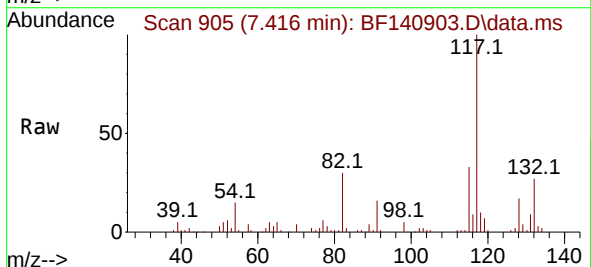
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

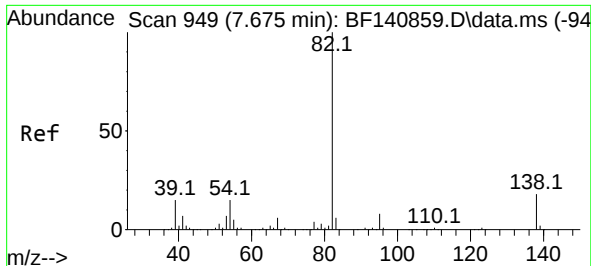
Tgt Ion:	136	Resp:	250458
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.8	5.6	8.4
68	5.0	4.2	6.2



#23
Nitrobenzene-d5
Concen: 4.563 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion:	82	Resp:	22844
Ion	Ratio	Lower	Upper
82	100		
128	55.4	34.4	51.6
54	47.9	38.8	58.2

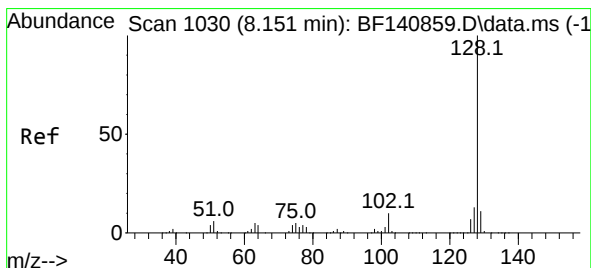
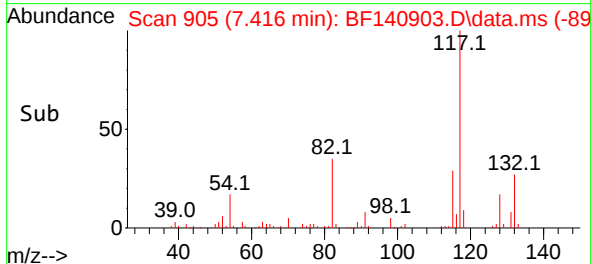
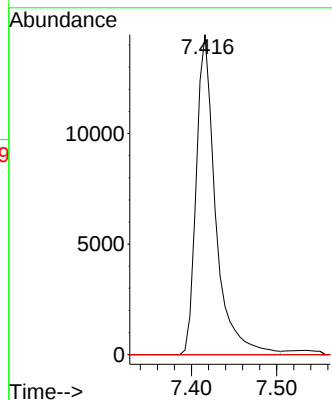
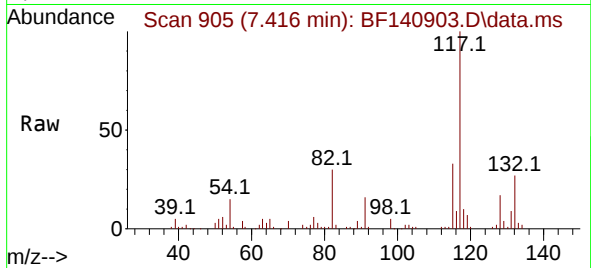




#25
Isophorone
Concen: 2.723 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

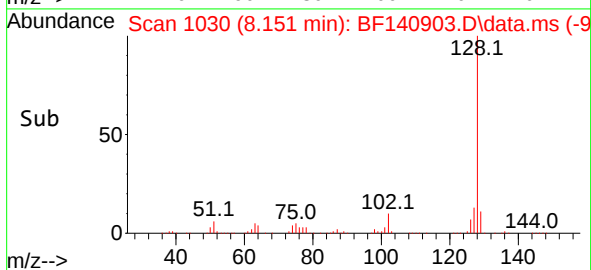
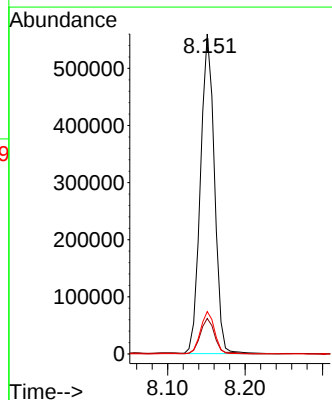
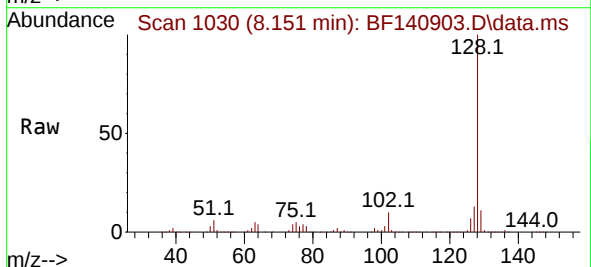
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

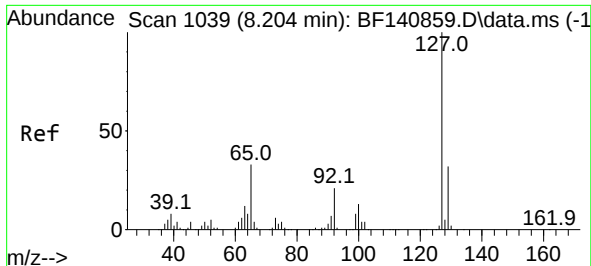
Tgt Ion: 82 Resp: 22844
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#



#31
Naphthalene
Concen: 50.964 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion:128 Resp: 701165
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.3 10.6 16.0

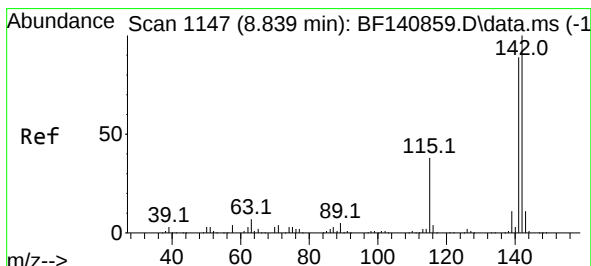
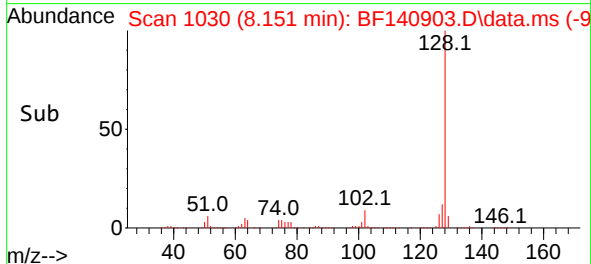
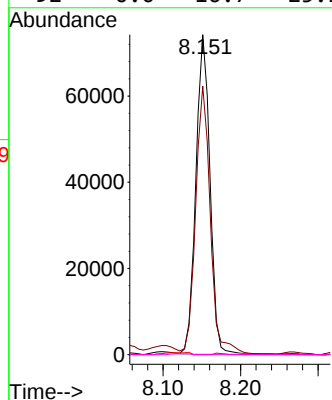
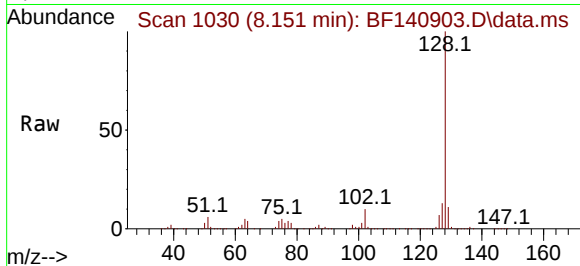




#33
4-Chloroaniline
Concen: 20.446 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.053 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

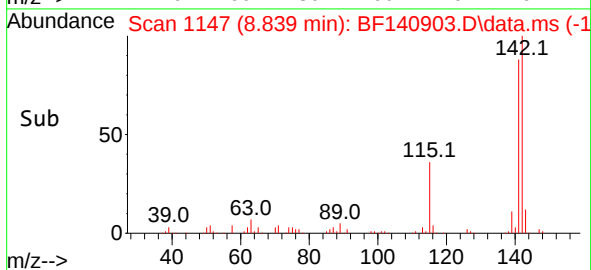
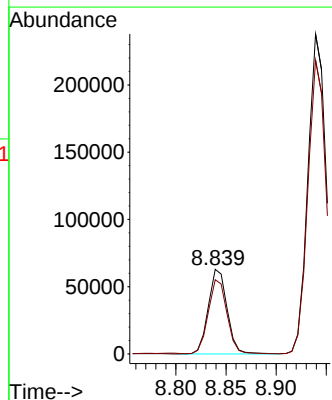
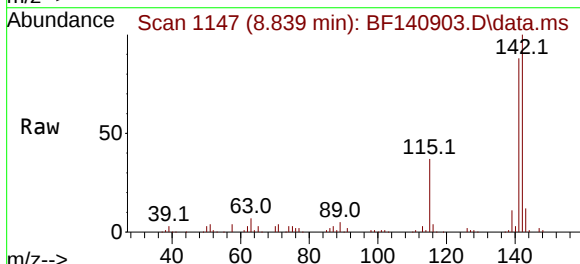
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

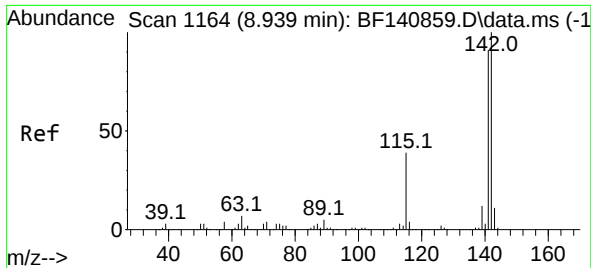
Tgt Ion:127	Resp:	93425
Ion Ratio	Lower	Upper
127	100	
129	83.9	26.0 39.0#
65	0.0	26.0 39.0#
92	0.0	16.7 25.1#



#37
2-Methylnaphthalene
Concen: 9.011 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion:142	Resp:	82011
Ion Ratio	Lower	Upper
142	100	
141	87.9	71.0 106.6

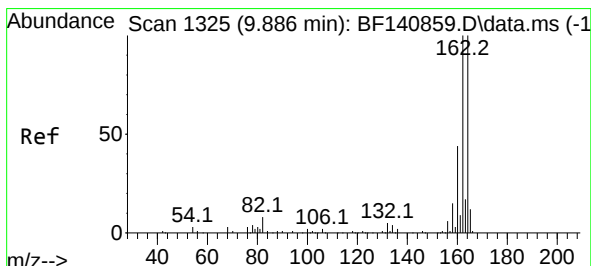
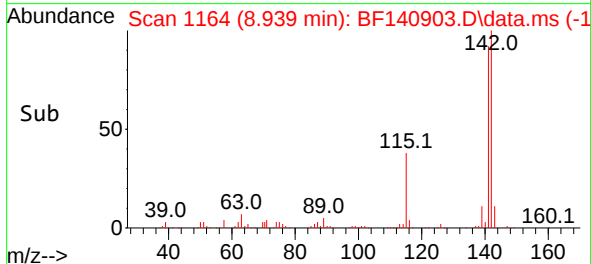
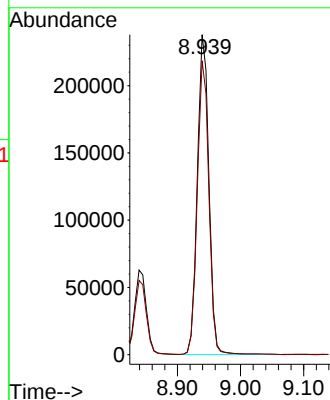
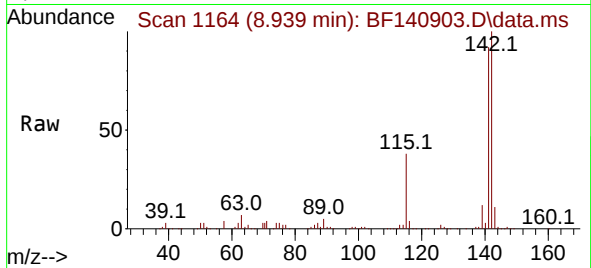




#38
1-Methylnaphthalene
Concen: 33.545 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

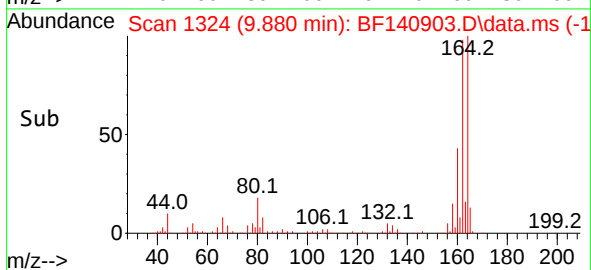
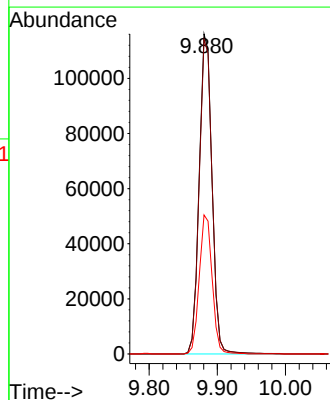
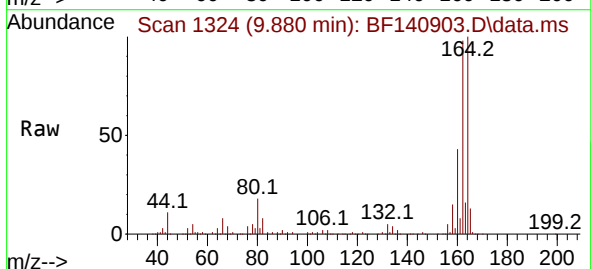
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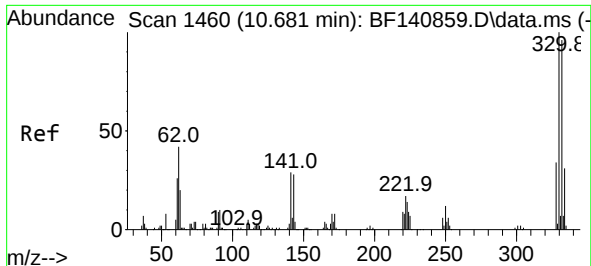
Tgt Ion:142 Resp: 301927
Ion Ratio Lower Upper
142 100
141 91.9 73.4 110.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion:164 Resp: 151708
Ion Ratio Lower Upper
164 100
162 98.2 79.9 119.9
160 43.4 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 5.717 ng

RT: 10.686 min Scan# 1460

Delta R.T. 0.006 min

Lab File: BF140903.D

Acq: 18 Dec 2024 14:09

Instrument :

BNA_F

ClientSampleId :

MW12-20241212DL2

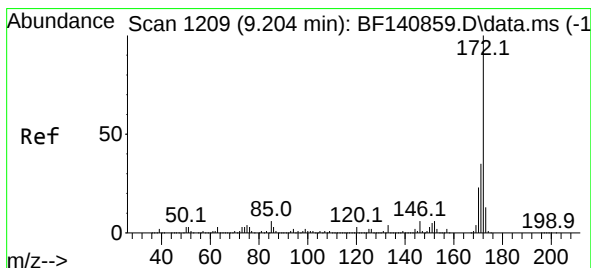
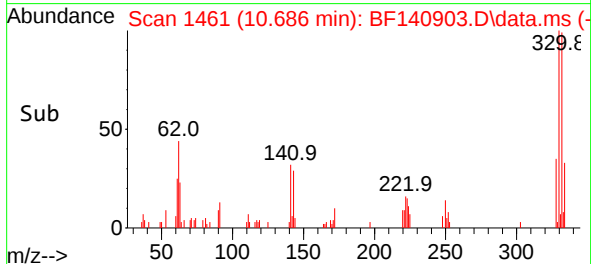
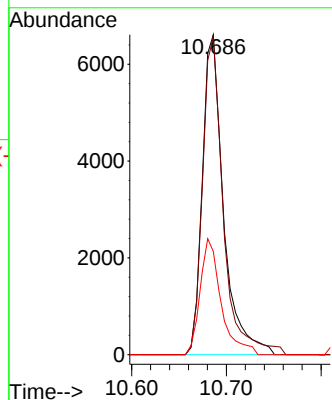
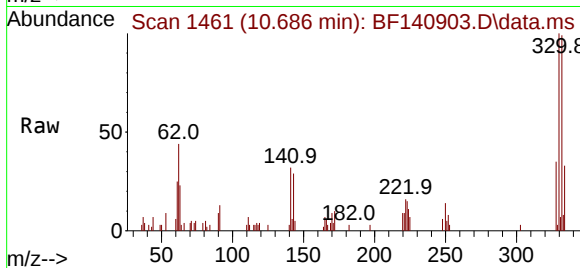
Tgt Ion:330 Resp: 10257

Ion Ratio Lower Upper

330 100

332 97.5 76.2 114.4

141 36.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 5.244 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF140903.D

Acq: 18 Dec 2024 14:09

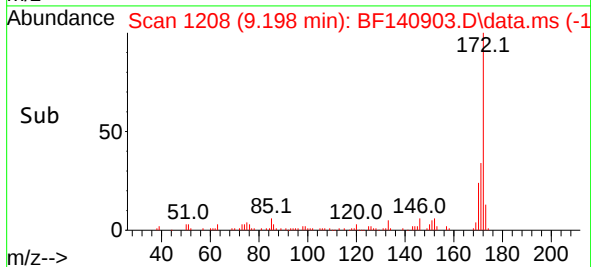
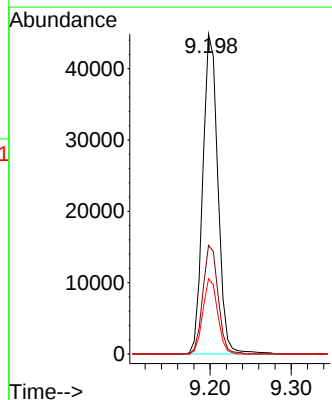
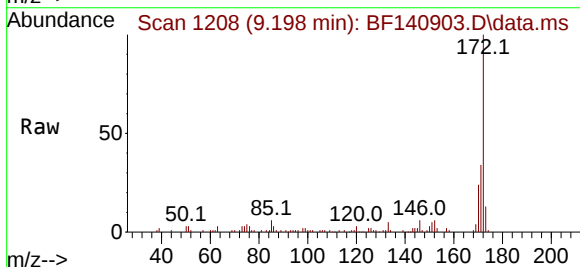
Tgt Ion:172 Resp: 57863

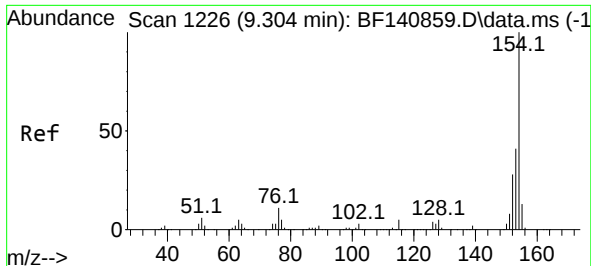
Ion Ratio Lower Upper

172 100

171 34.0 28.4 42.6

170 23.5 18.6 28.0

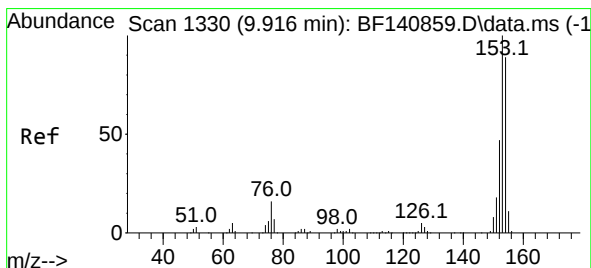
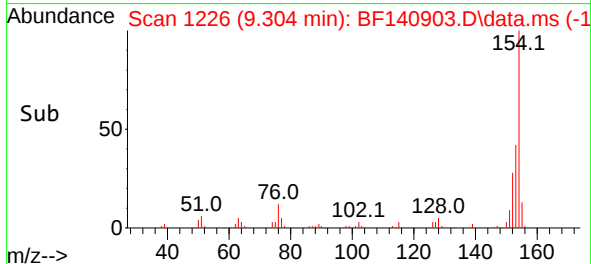
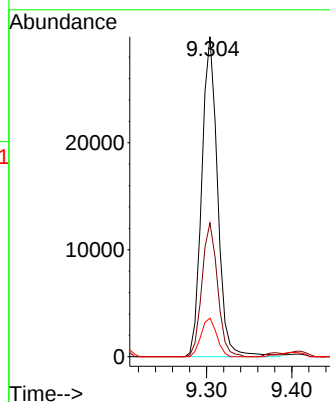
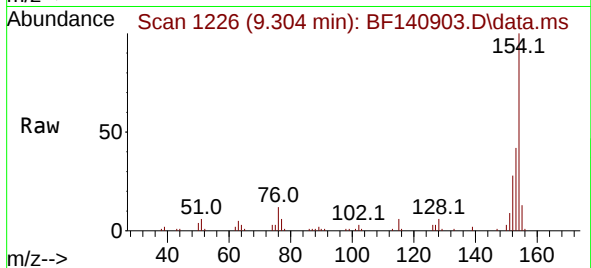




#46
1,1'-Biphenyl
Concen: 3.208 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

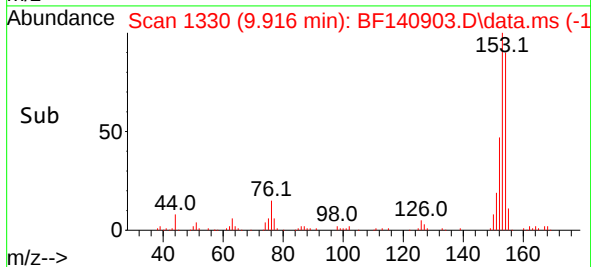
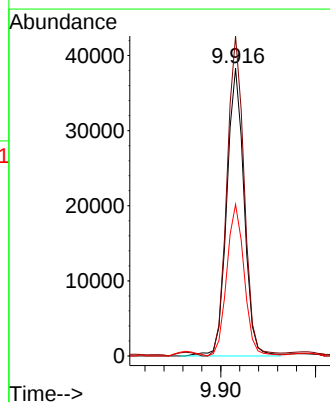
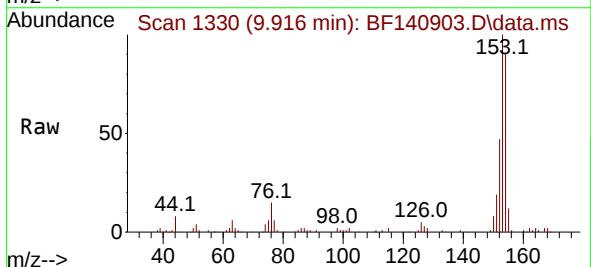
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

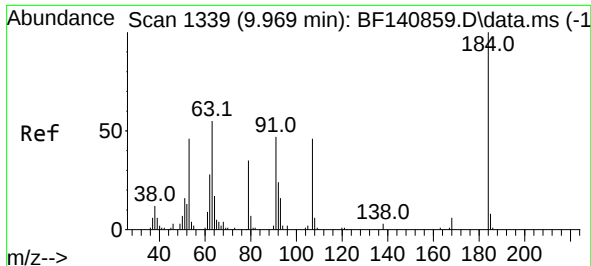
Tgt Ion:154 Resp: 38702
Ion Ratio Lower Upper
154 100
153 41.8 20.8 60.8
76 12.1 0.0 31.0



#52
Acenaphthene
Concen: 5.624 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion:154 Resp: 48726
Ion Ratio Lower Upper
154 100
153 111.2 89.9 134.9
152 52.7 42.6 63.8

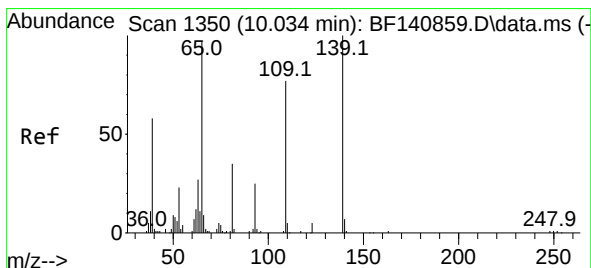
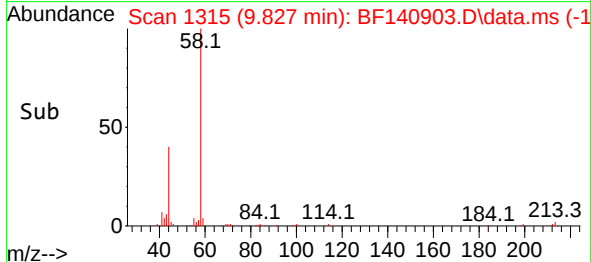
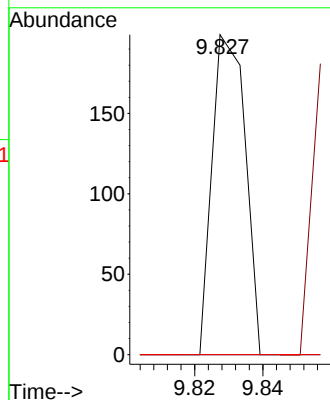
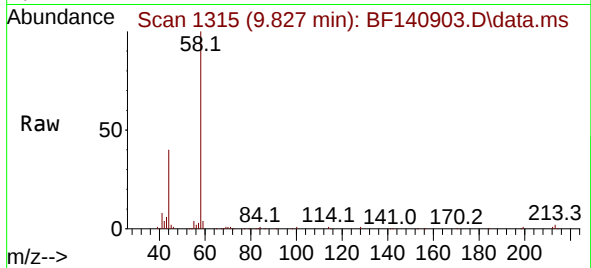




#54
2,4-Dinitrophenol
Concen: 6.644 ng
RT: 9.827 min Scan# 1315
Delta R.T. -0.142 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

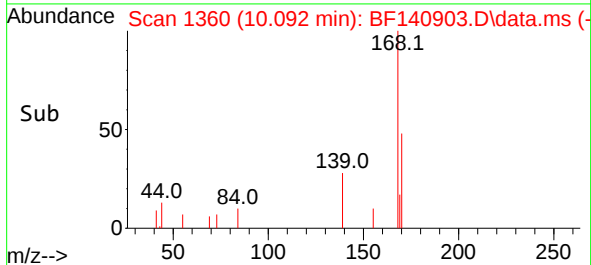
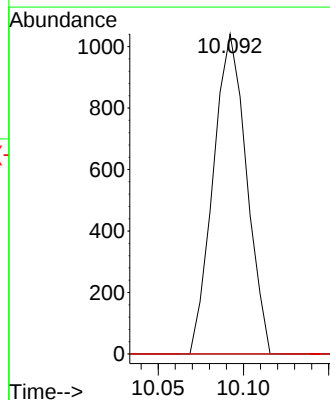
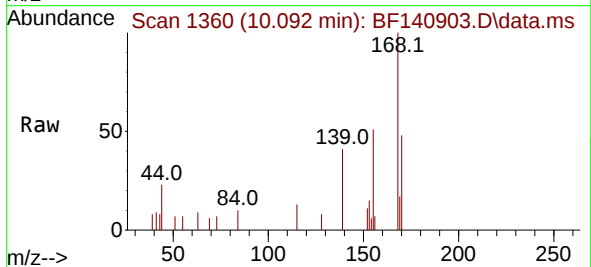
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

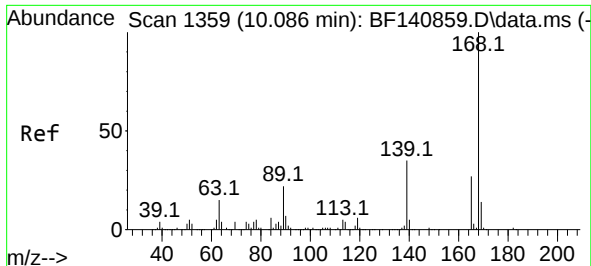
Tgt Ion:184 Resp: 134
Ion Ratio Lower Upper
184 100
63 0.0 51.6 77.4#
154 0.0 56.1 84.1#



#56
4-Nitrophenol
Concen: 5.466 ng
RT: 10.092 min Scan# 1360
Delta R.T. 0.058 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion:139 Resp: 1415
Ion Ratio Lower Upper
139 100
109 0.0 56.7 96.7#
65 0.0 78.1 118.1#

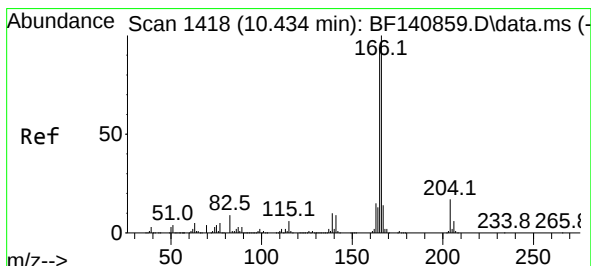
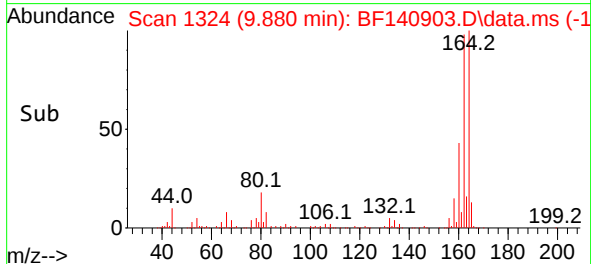
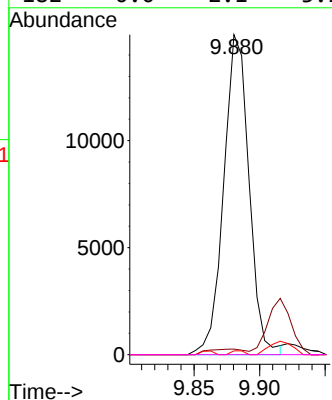
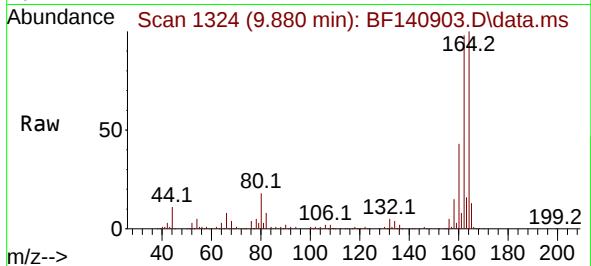




#57
2,4-Dinitrotoluene
Concen: 6.239 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

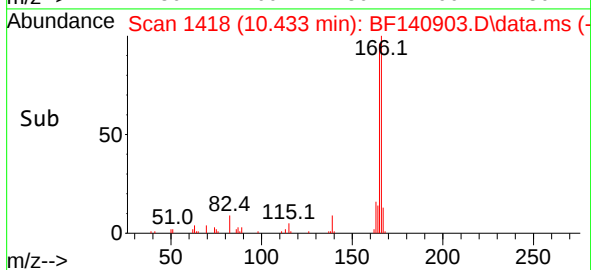
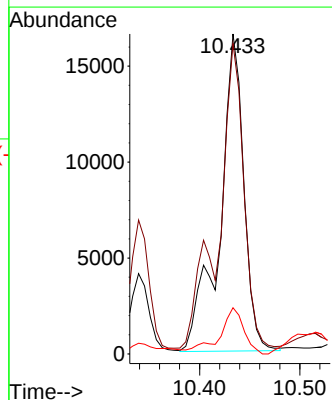
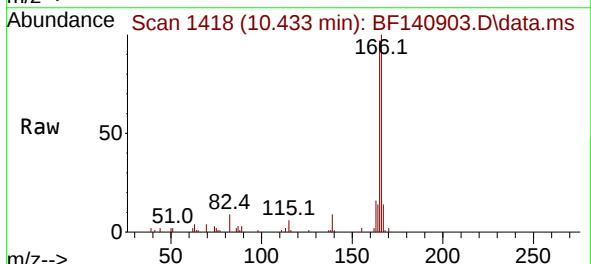
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

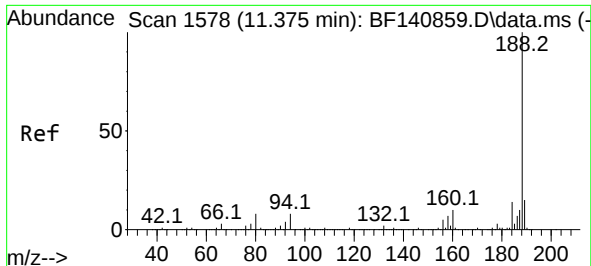
Tgt Ion:165 Resp: 20071
Ion Ratio Lower Upper
165 100
63 1.8 49.3 73.9#
89 1.2 66.2 99.4#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 2.488 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion:166 Resp: 27558
Ion Ratio Lower Upper
166 100
165 97.0 75.1 112.7
167 14.4 11.1 16.7

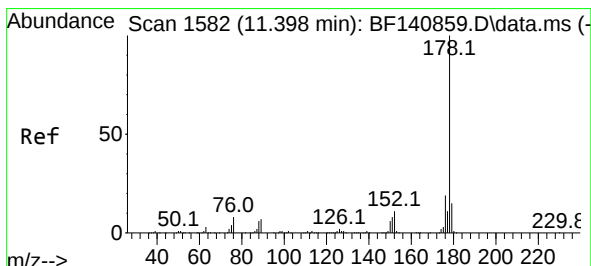
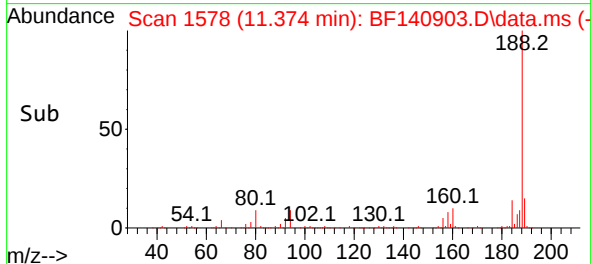
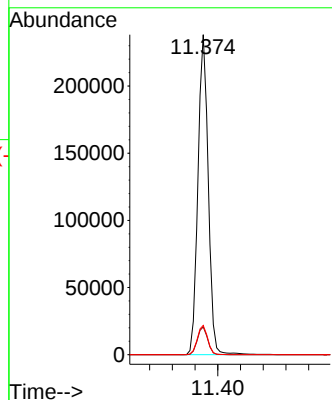
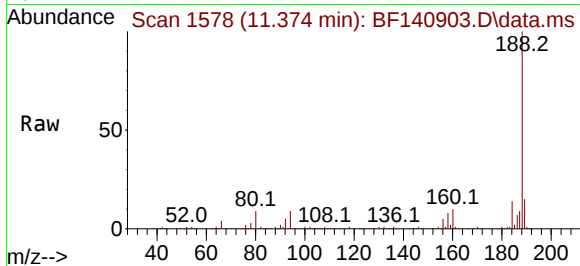




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

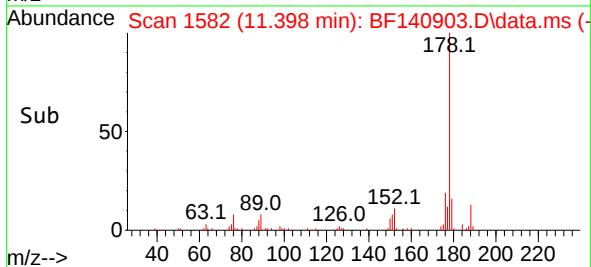
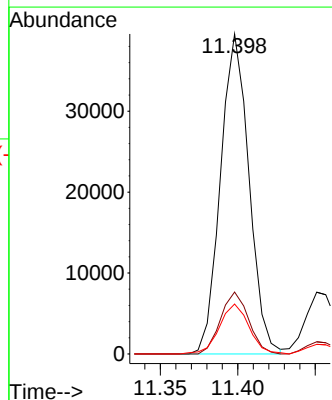
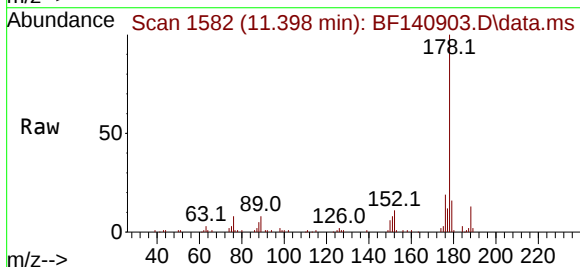
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

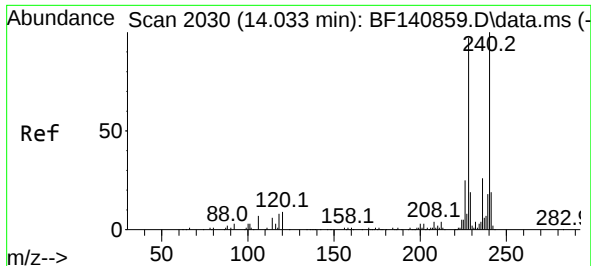
Tgt Ion:188 Resp: 301660
Ion Ratio Lower Upper
188 100
94 8.7 6.4 9.6
80 9.2 6.8 10.2



#71
Phenanthrene
Concen: 3.255 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

Tgt Ion:178 Resp: 50501
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.6 12.1 18.1

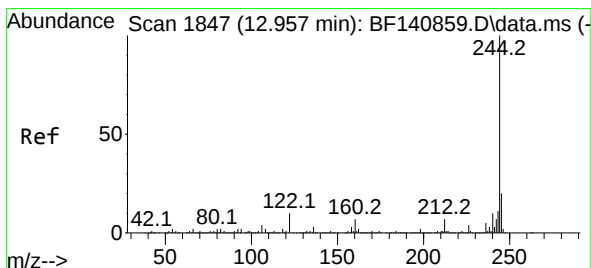
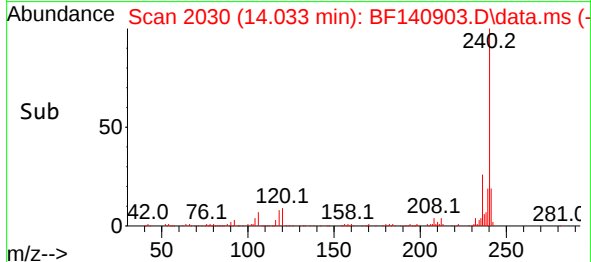
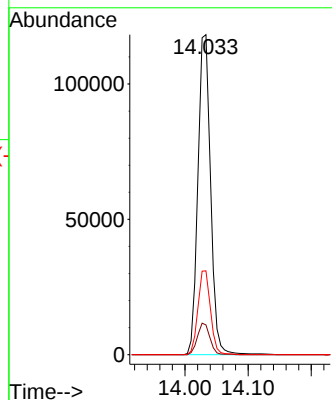
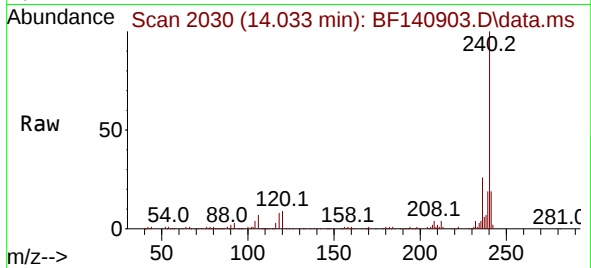




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

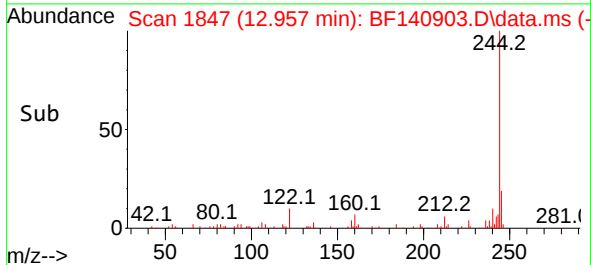
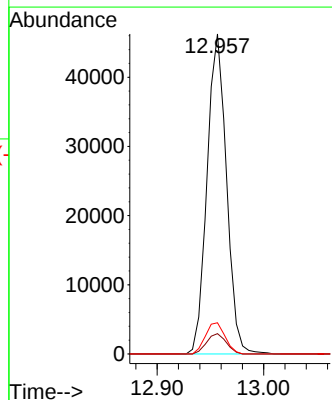
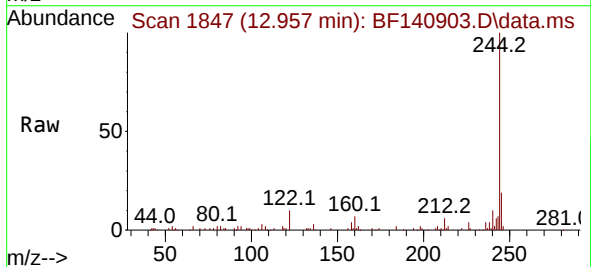
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL2

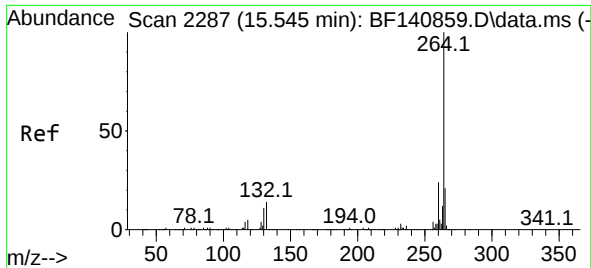
Tgt Ion:240 Resp: 164695
Ion Ratio Lower Upper
240 100
120 9.3 7.6 11.4
236 26.2 20.5 30.7



#79
Terphenyl-d14
Concen: 5.616 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF140903.D
Acq: 18 Dec 2024 14:09

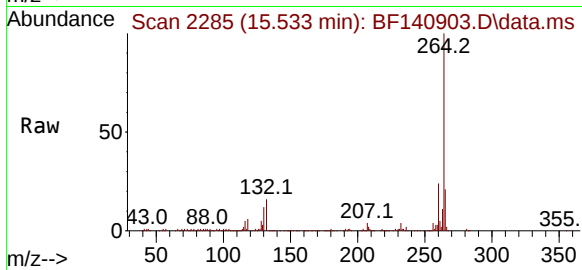
Tgt Ion:244 Resp: 58661
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 9.8 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF140903.D
 Acq: 18 Dec 2024 14:09

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20241212DL2



Tgt Ion:264 Resp: 181077
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.1 28.7
 265 21.5 17.0 25.4

