

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122324\
 Data File : BF140964.D
 Acq On : 23 Dec 2024 12:46
 Operator : RC/JU
 Sample : P5355-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251688

Quant Time: Dec 23 13:16:07 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)

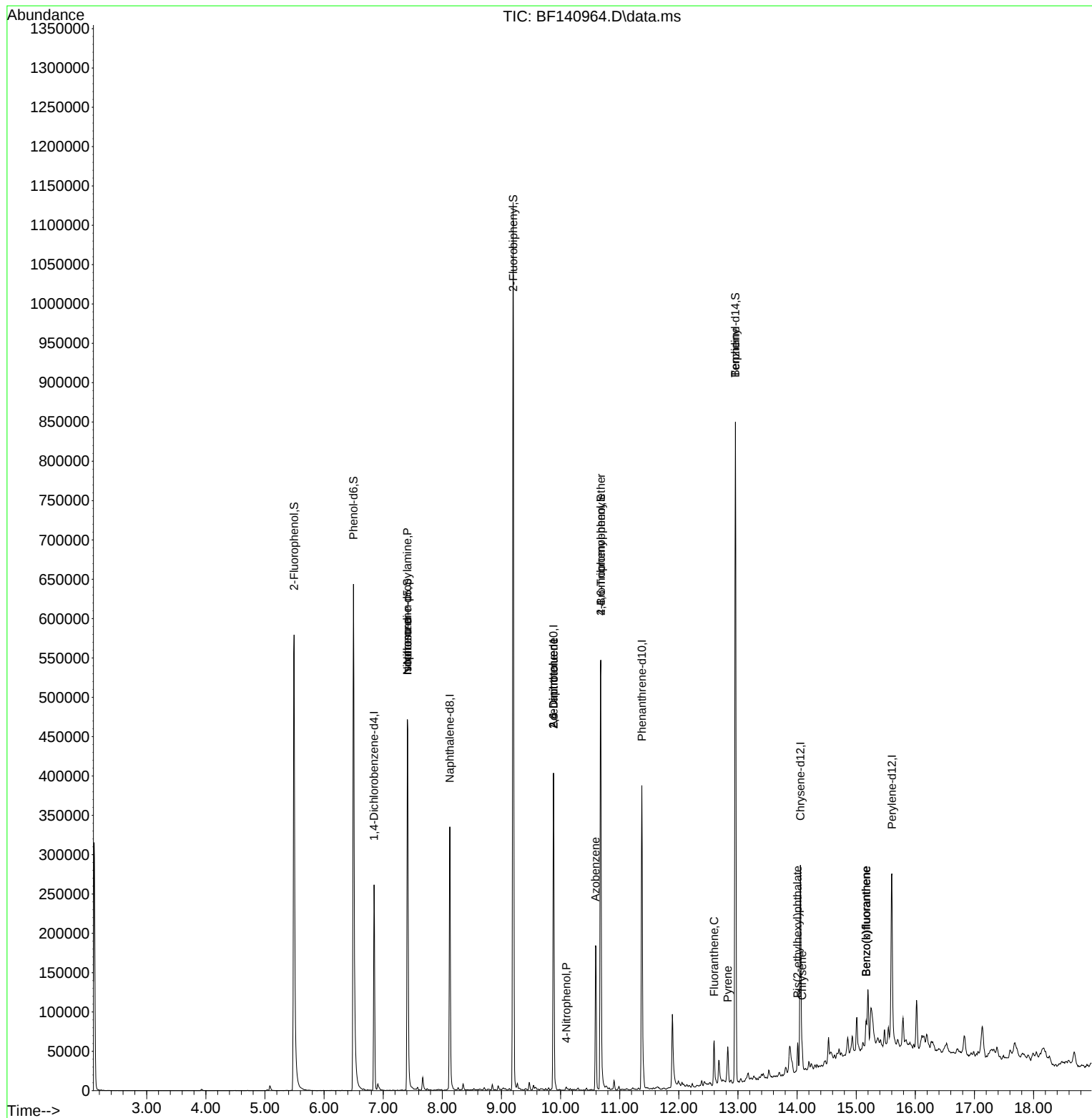
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	58220	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	217474	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	124027	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	208395	20.000	ng	0.00
76) Chrysene-d12	14.057	240	124355	20.000	ng	0.02
86) Perylene-d12	15.604	264	137694	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	284821	80.534	ng	0.00
7) Phenol-d6	6.498	99	365535	78.033	ng	0.00
23) Nitrobenzene-d5	7.410	82	234457	53.938	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	111023	75.686	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	504033	55.872	ng	0.00
79) Terphenyl-d14	12.957	244	409241	51.893	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	31650	11.264	ng	# 78
25) Isophorone	7.410	82	231622	31.802	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	15934	7.971	ng	# 21
56) 4-Nitrophenol	10.098	139	555	4.933	ng	# 5
57) 2,4-Dinitrotoluene	9.880	165	15934	6.058	ng	# 15
63) Azobenzene	10.592	77	50668	5.944	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	6642	2.849	ng	# 1
75) Fluoranthene	12.598	202	32543	2.637	ng	100
77) Benzidine	12.957	184	5105	2.011	ng	# 89
78) Pyrene	12.827	202	27537	2.490	ng	99
83) Chrysene	14.086	228	16059	2.004	ng	93
84) Bis(2-ethylhexyl)phtha...	14.010	149	15788	3.009	ng	98
88) Benzo(b)fluoranthene	15.168	252	30573	3.199	ng	# 97
89) Benzo(k)fluoranthene	15.168	252	30573	3.729	ng	# 98

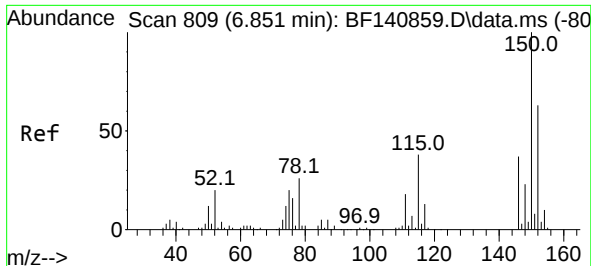
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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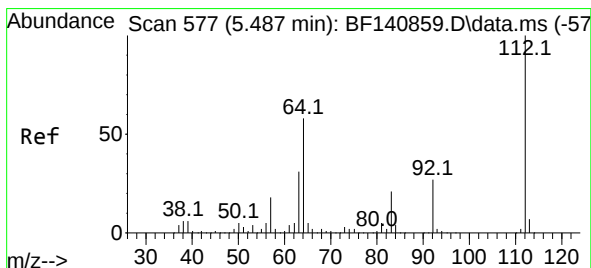
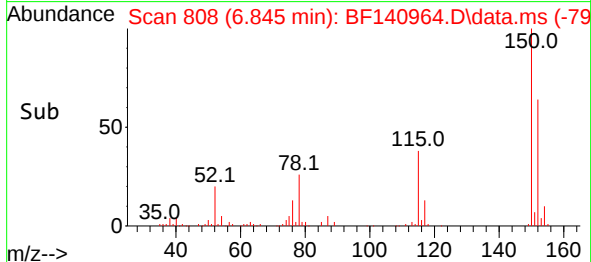
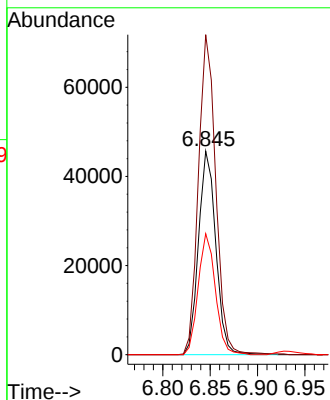
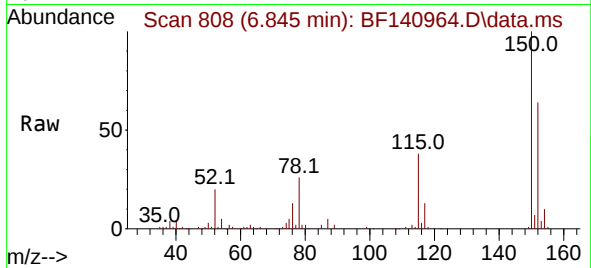




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

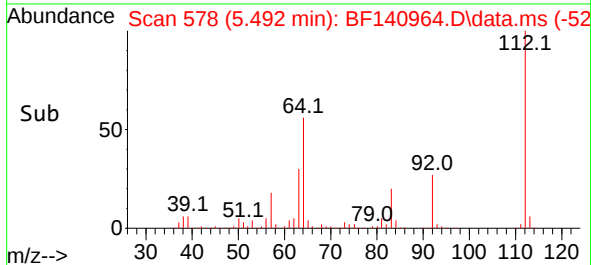
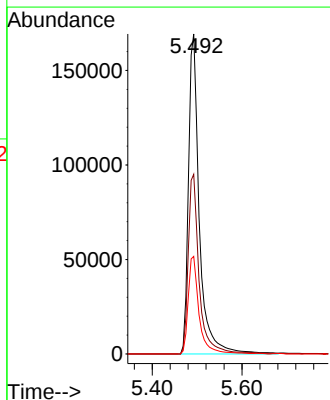
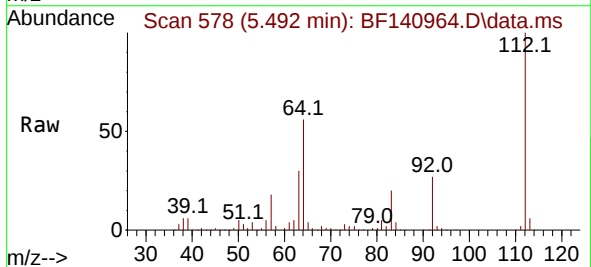
Instrument :
BNA_F
ClientSampleId :
RBR251688

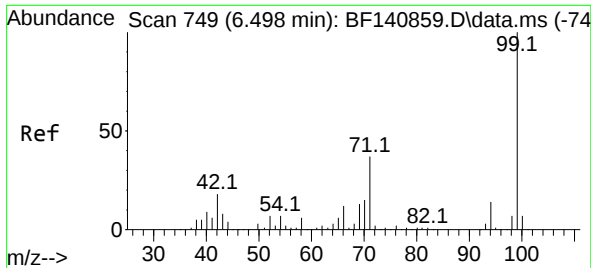
Tgt Ion:152 Resp: 58220
Ion Ratio Lower Upper
152 100
150 157.3 127.9 191.9
115 59.4 48.0 72.0



#5
2-Fluorophenol
Concen: 80.534 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

Tgt Ion:112 Resp: 284821
Ion Ratio Lower Upper
112 100
64 56.2 46.1 69.1
63 30.5 24.9 37.3

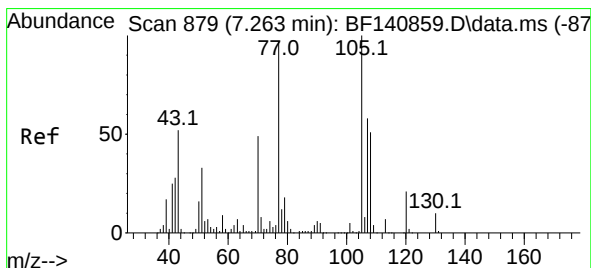
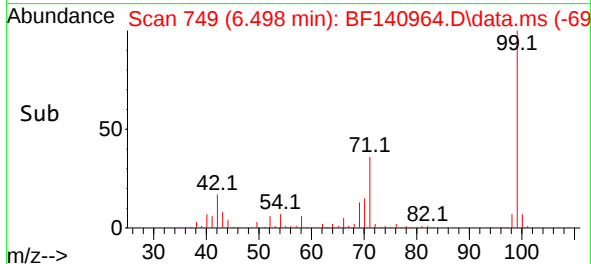
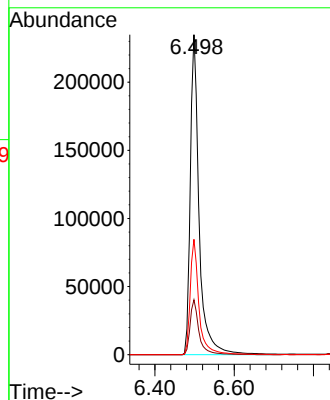
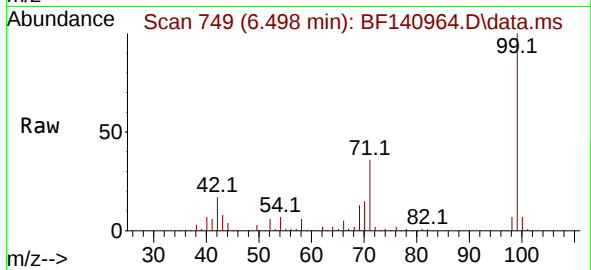




#7
Phenol-d6
Concen: 78.033 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

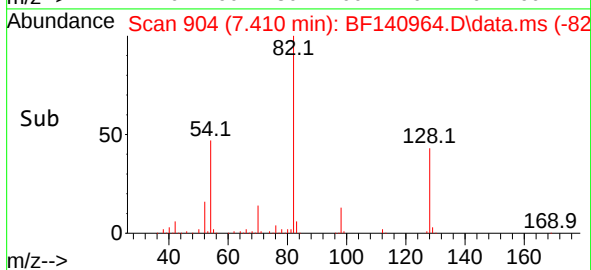
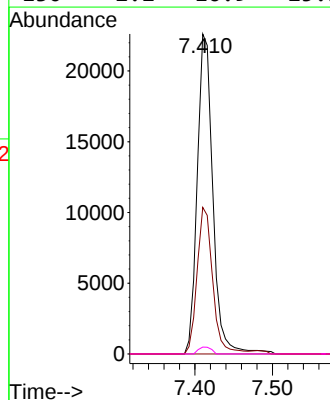
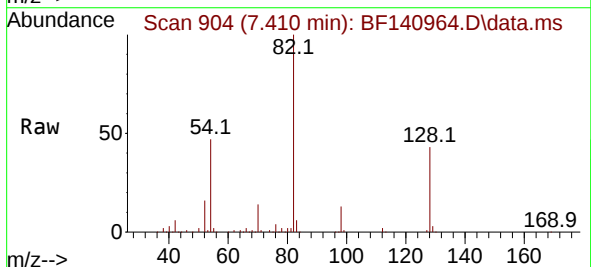
Instrument :
BNA_F
ClientSampleId :
RBR251688

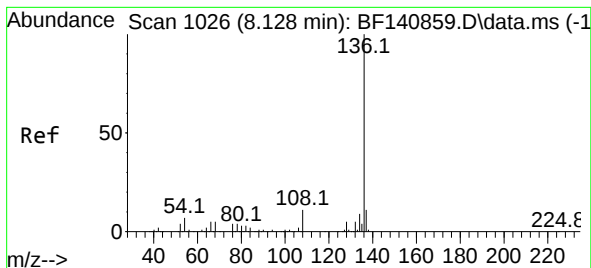
Tgt Ion: 99 Resp: 365535
Ion Ratio Lower Upper
99 100
42 17.2 14.3 21.5
71 36.0 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.264 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

Tgt Ion: 70 Resp: 31650
Ion Ratio Lower Upper
70 100
42 45.8 45.3 67.9
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

Instrument :

BNA_F

ClientSampleId :

RBR251688

Tgt Ion:136 Resp: 217474

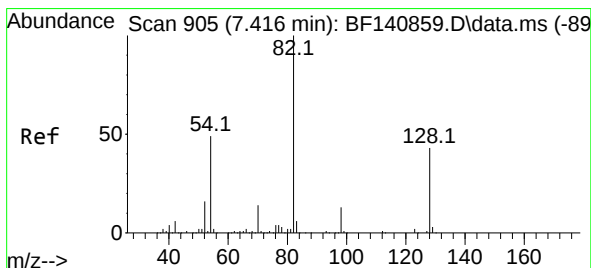
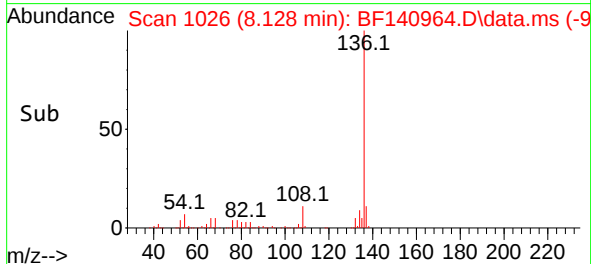
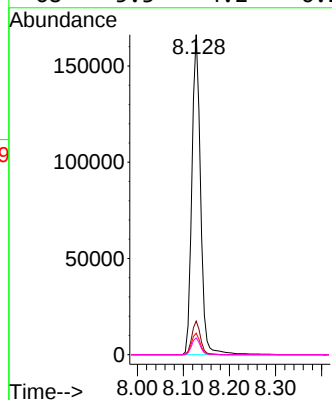
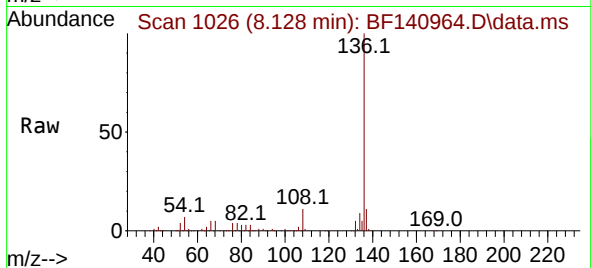
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 6.7 5.6 8.4

68 5.3 4.2 6.2



#23

Nitrobenzene-d5

Concen: 53.938 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

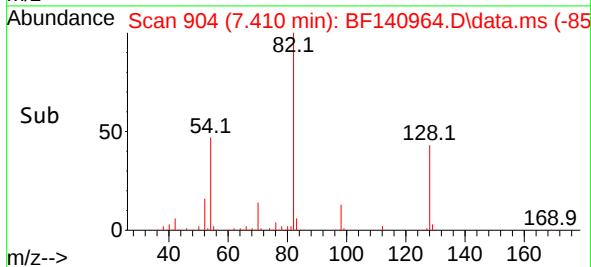
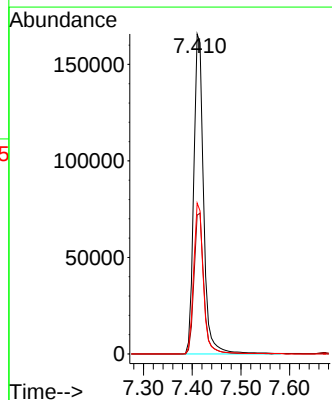
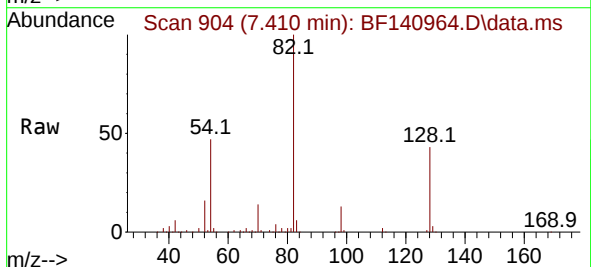
Tgt Ion: 82 Resp: 234457

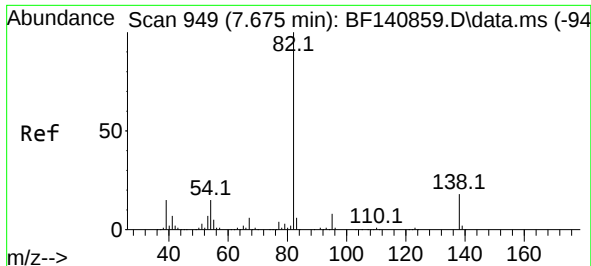
Ion Ratio Lower Upper

82 100

128 43.4 34.4 51.6

54 47.1 38.8 58.2

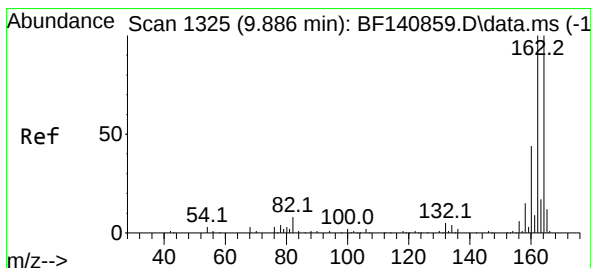
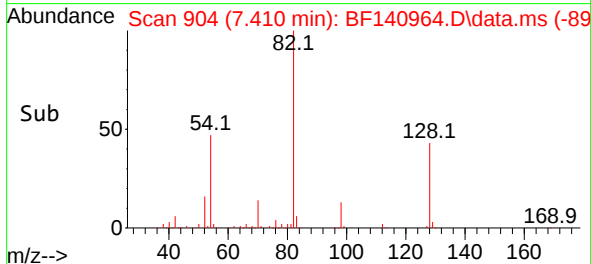
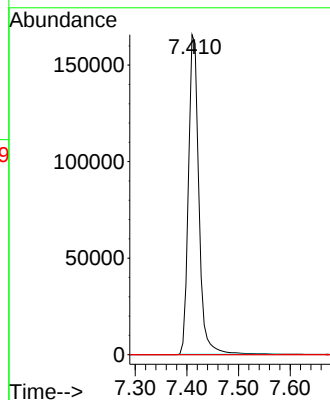
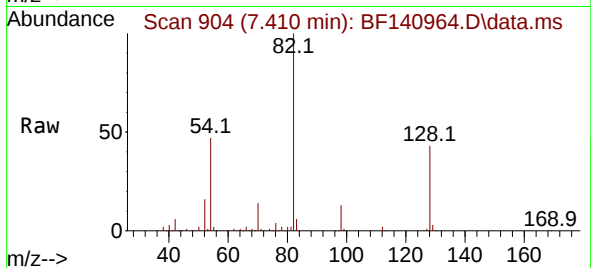




#25
Isophorone
Concen: 31.802 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.265 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

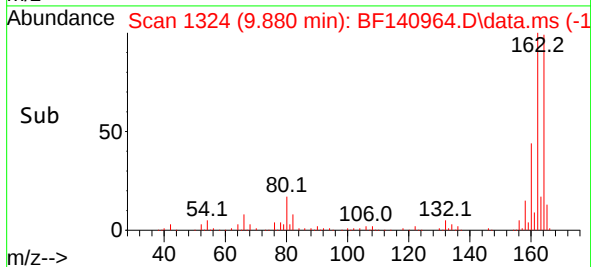
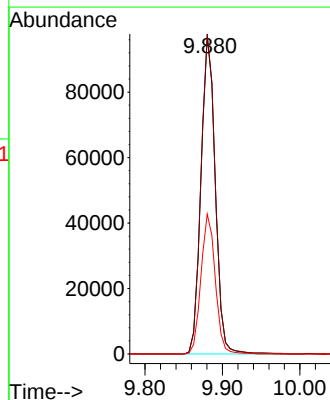
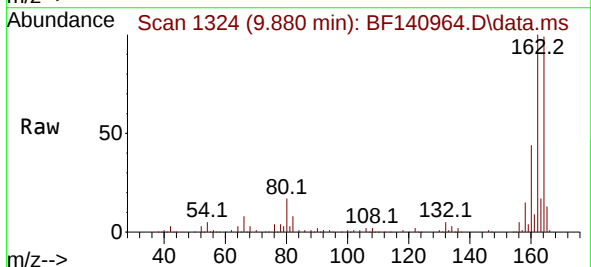
Instrument :
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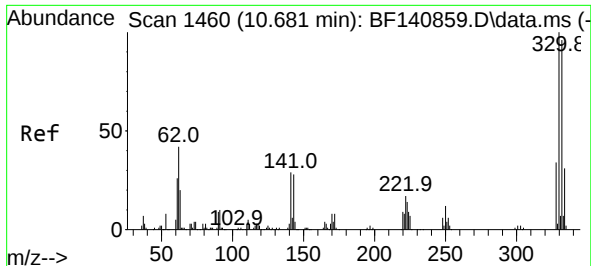
Tgt Ion: 82 Resp: 231622
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

Tgt Ion: 164 Resp: 124027
Ion Ratio Lower Upper
164 100
162 100.8 79.9 119.9
160 44.1 35.2 52.8

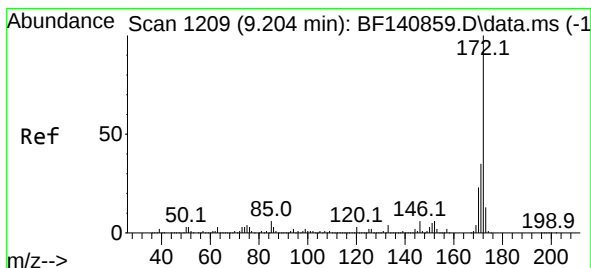
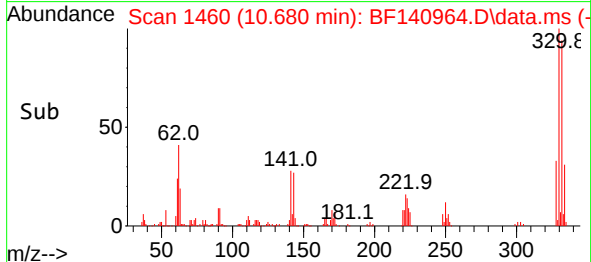
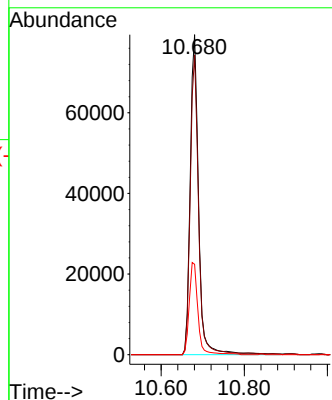
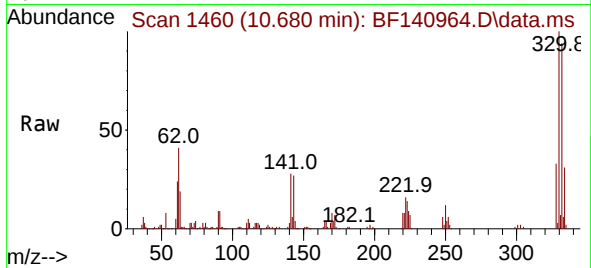




#42
2,4,6-Tribromophenol
Concen: 75.686 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

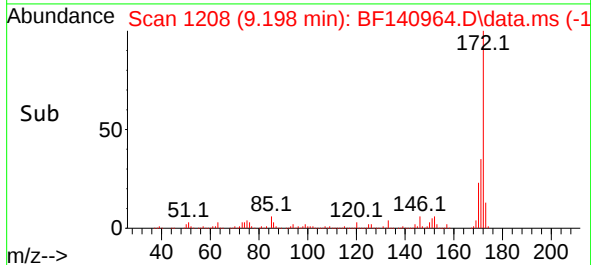
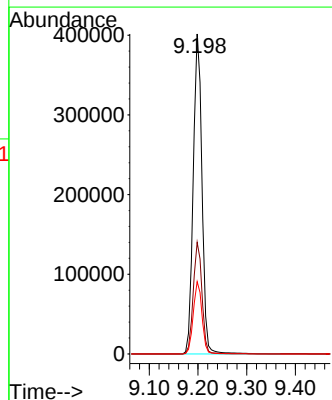
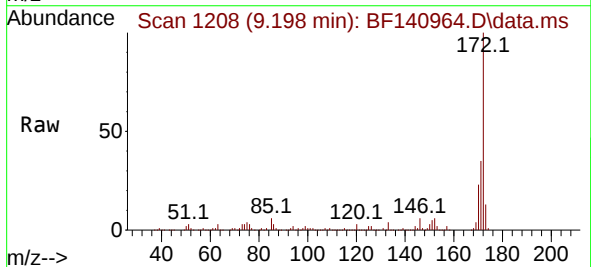
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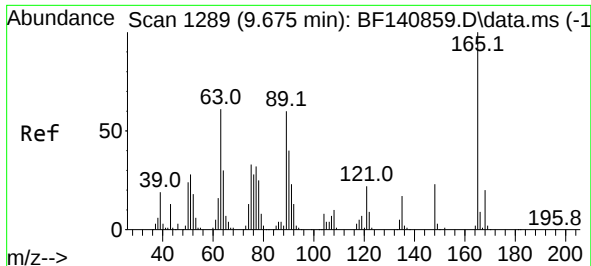
Tgt Ion:330 Resp: 111023
Ion Ratio Lower Upper
330 100
332 92.2 76.2 114.4
141 29.7 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 55.872 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

Tgt Ion:172 Resp: 504033
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 22.6 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 7.971 ng

RT: 9.880 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

Instrument :

BNA_F

ClientSampleId :

RBR251688

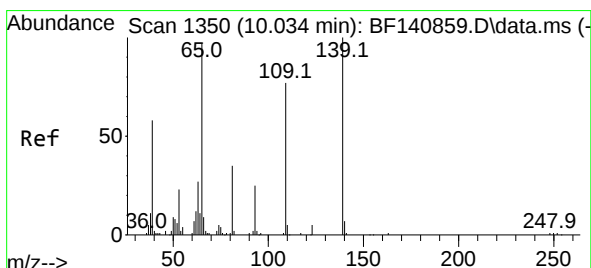
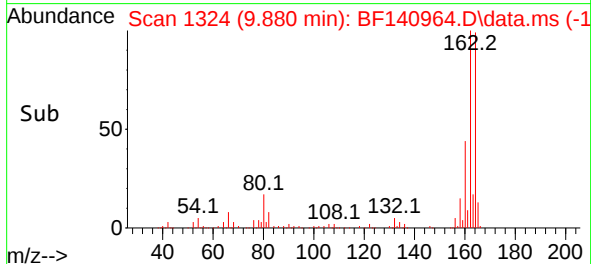
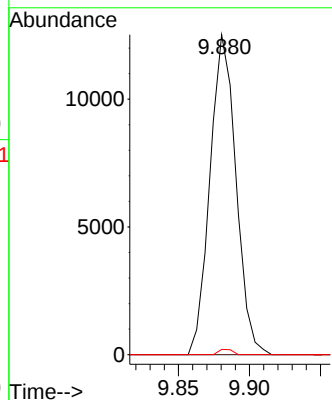
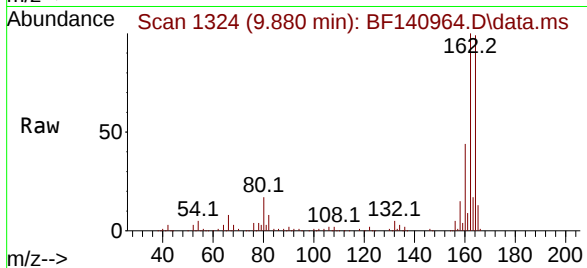
Tgt Ion:165 Resp: 15934

Ion Ratio Lower Upper

165 100

63 0.0 49.7 74.5#

89 1.6 48.2 72.4#



#56

4-Nitrophenol

Concen: 4.933 ng

RT: 10.098 min Scan# 1361

Delta R.T. 0.064 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

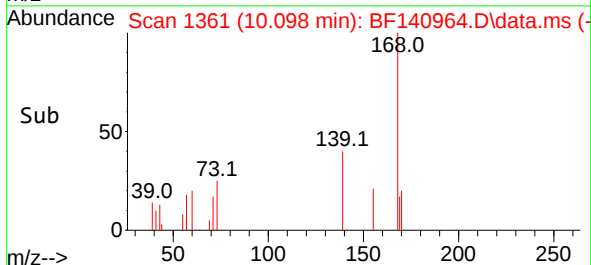
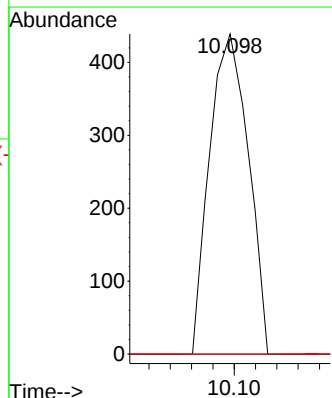
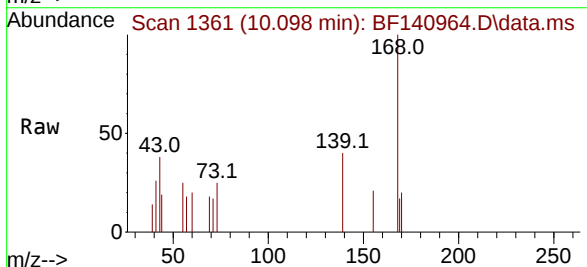
Tgt Ion:139 Resp: 555

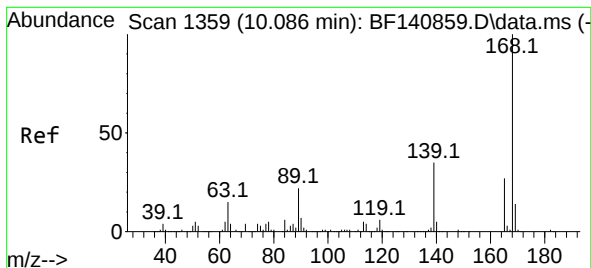
Ion Ratio Lower Upper

139 100

109 0.0 56.7 96.7#

65 0.0 78.1 118.1#





#57

2,4-Dinitrotoluene

Concen: 6.058 ng

RT: 9.880 min Scan# 1

Delta R.T. -0.206 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

Instrument :

BNA_F

ClientSampleId :

RBR251688

Tgt Ion:165 Resp: 15934

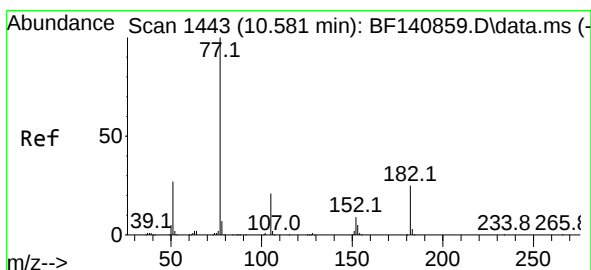
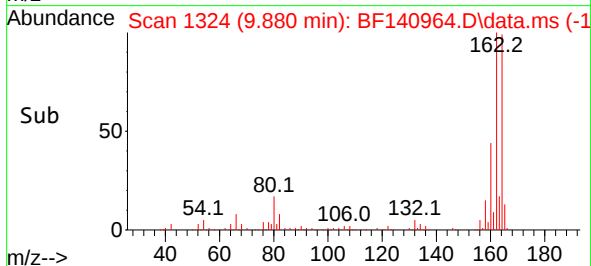
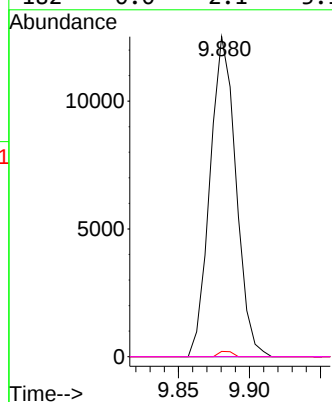
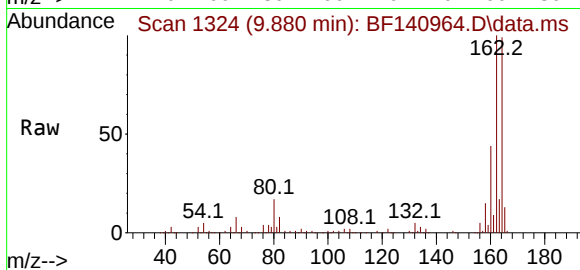
Ion Ratio Lower Upper

165 100

63 0.0 49.3 73.9#

89 1.6 66.2 99.4#

182 0.0 2.1 3.1#



#63

Azobenzene

Concen: 5.944 ng

RT: 10.592 min Scan# 1445

Delta R.T. 0.012 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

Tgt Ion: 77 Resp: 50668

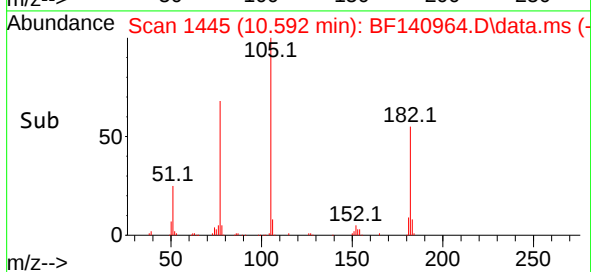
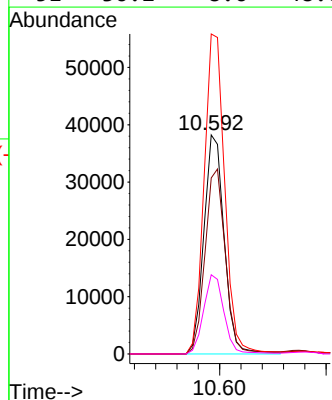
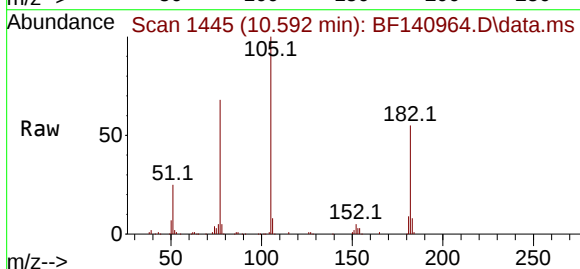
Ion Ratio Lower Upper

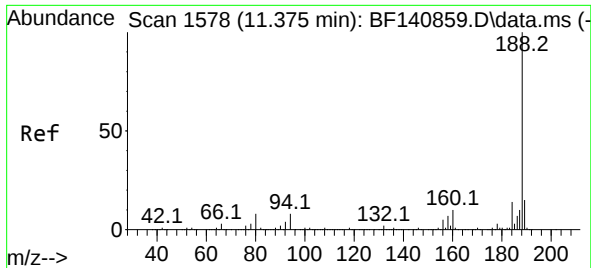
77 100

182 80.3 4.5 44.5#

105 146.1 0.9 40.9#

51 36.2 8.6 48.6

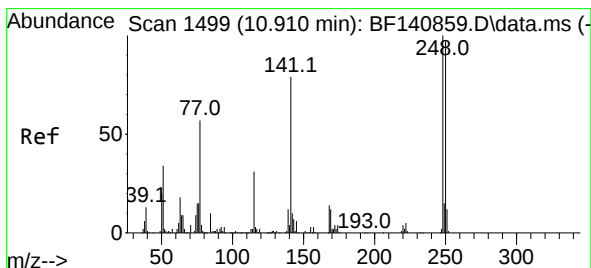
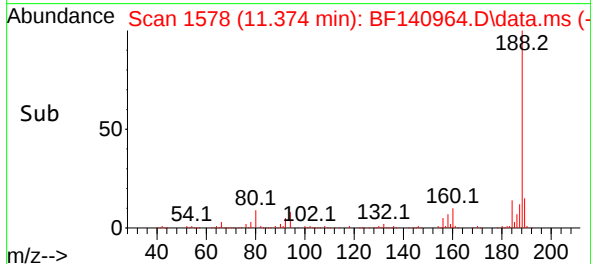
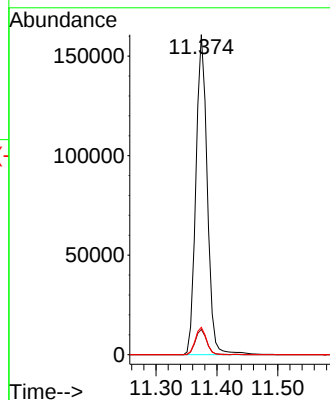
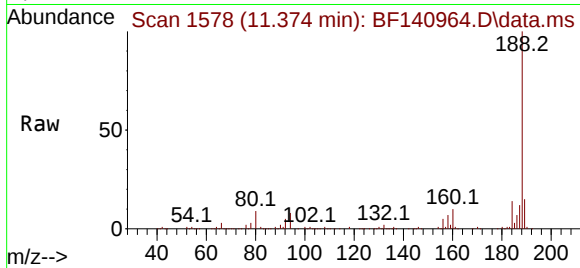




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

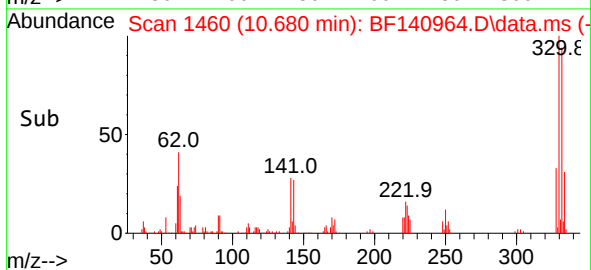
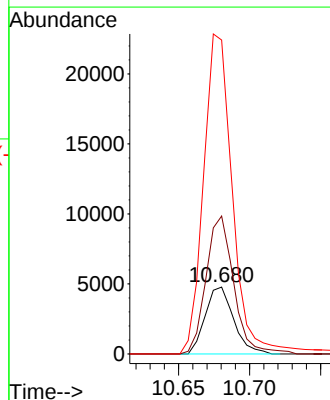
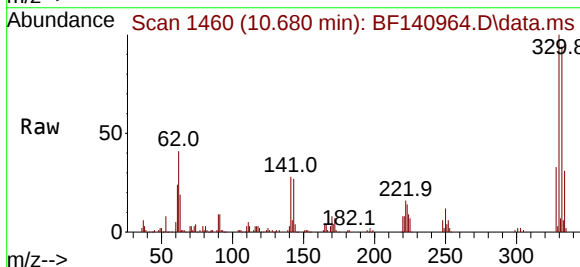
Instrument :
BNA_F
ClientSampleId :
RBR251688

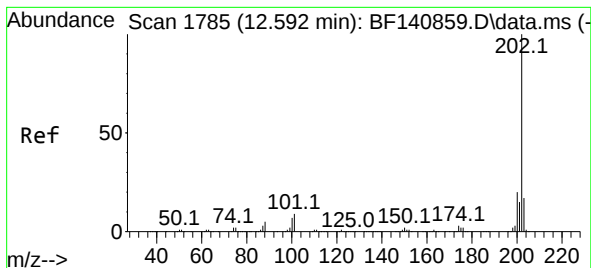
Tgt Ion:188 Resp: 208395
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.5 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 2.849 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.230 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

Tgt Ion:248 Resp: 6642
Ion Ratio Lower Upper
248 100
250 206.5 77.4 116.2#
141 469.9 62.9 94.3#





#75

Fluoranthene

Concen: 2.637 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

Instrument :

BNA_F

ClientSampleId :

RBR251688

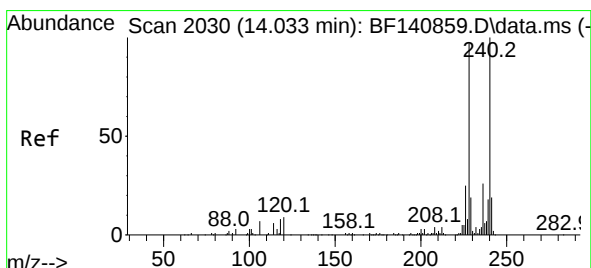
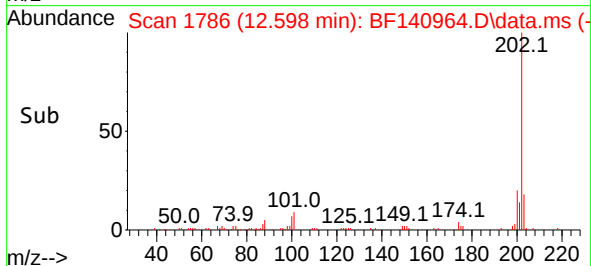
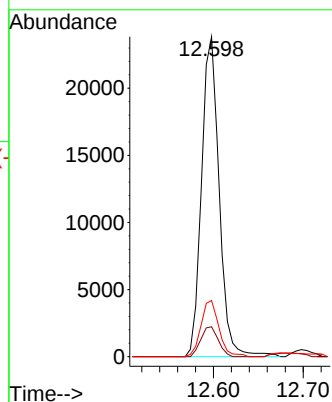
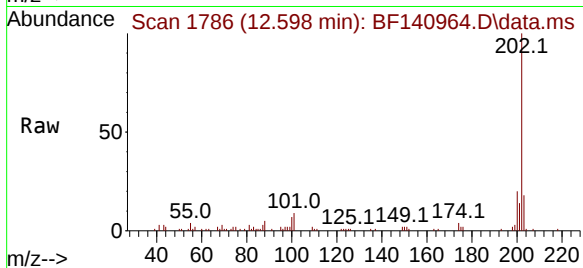
Tgt Ion:202 Resp: 32543

Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.3

203 17.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.023 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

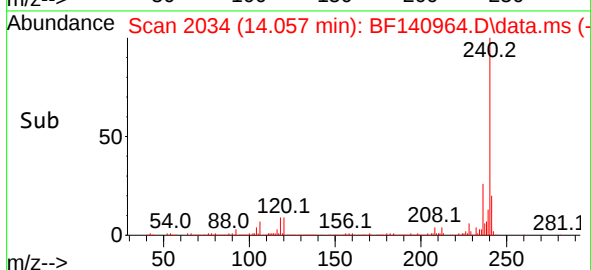
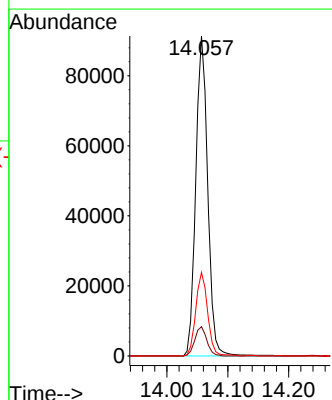
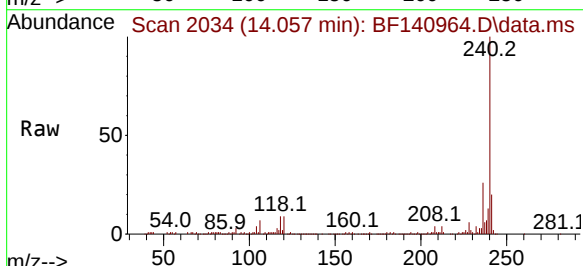
Tgt Ion:240 Resp: 124355

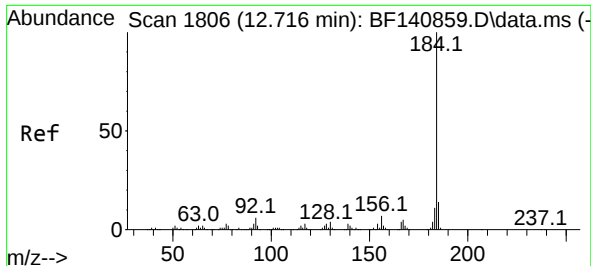
Ion Ratio Lower Upper

240 100

120 9.2 7.6 11.4

236 26.1 20.5 30.7

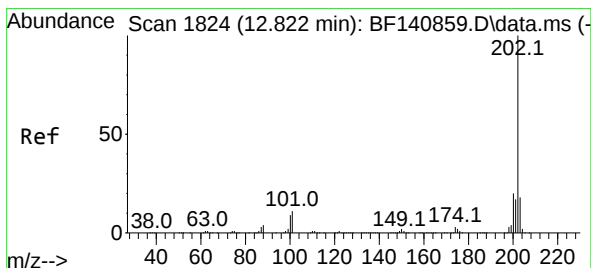
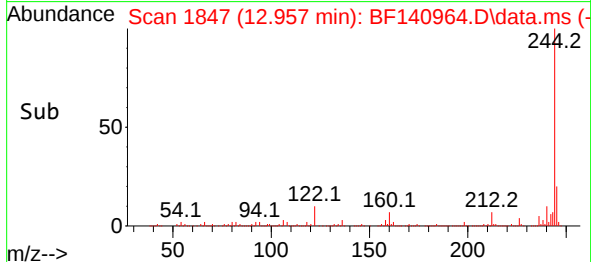
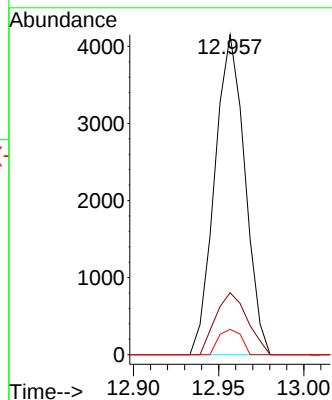
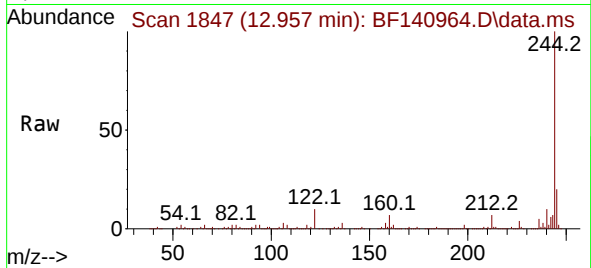




#77
Benzidine
Concen: 2.011 ng
RT: 12.957 min Scan# 1847
Delta R.T. 0.241 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

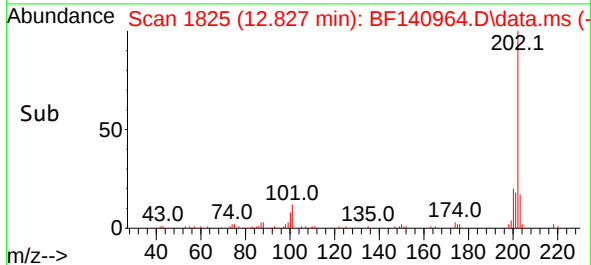
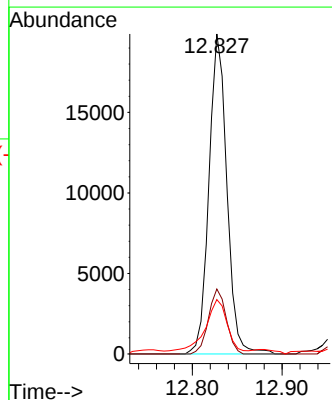
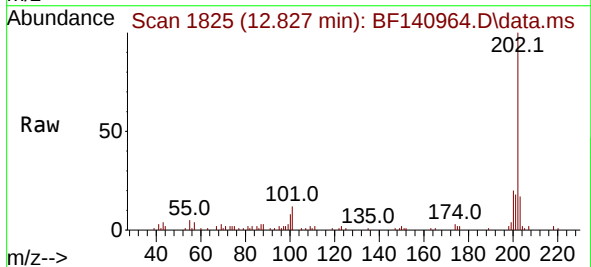
Instrument :
BNA_F
ClientSampleId :
RBR251688

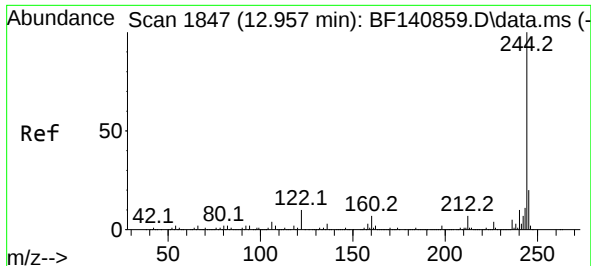
Tgt Ion:184 Resp: 5105
Ion Ratio Lower Upper
184 100
185 19.3 11.1 16.7#
183 7.9 9.0 13.4#



#78
Pyrene
Concen: 2.490 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140964.D
Acq: 23 Dec 2024 12:46

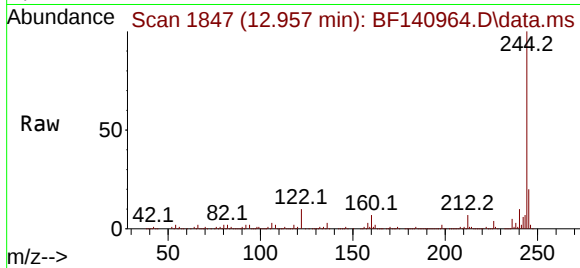
Tgt Ion:202 Resp: 27537
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.0 14.2 21.4



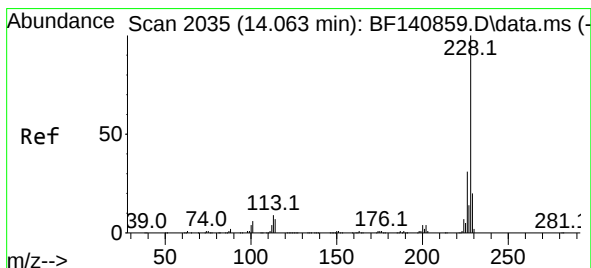
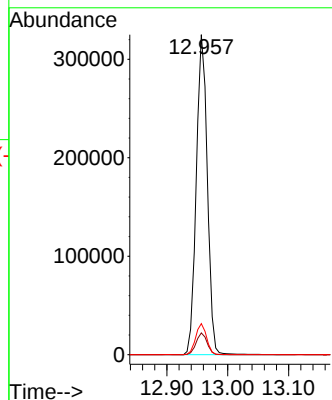
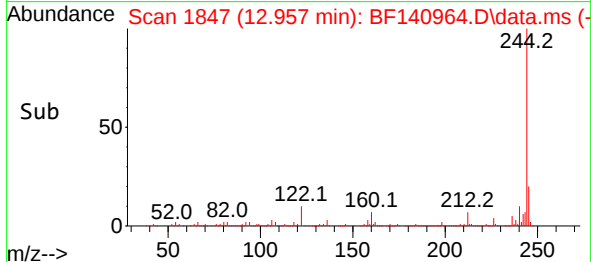


#79
 Terphenyl-d14
 Concen: 51.893 ng
 RT: 12.957 min Scan# 1847
 Delta R.T. -0.000 min
 Lab File: BF140964.D
 Acq: 23 Dec 2024 12:46

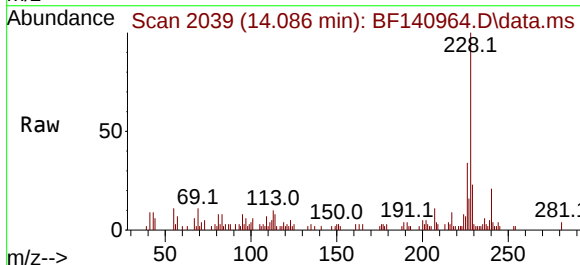
Instrument :
 BNA_F
 ClientSampleId :
 RBR251688



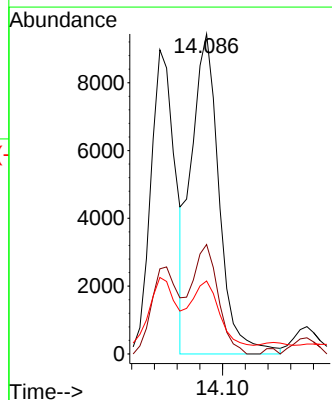
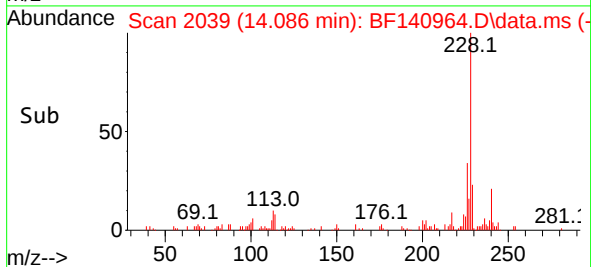
Tgt Ion:244 Resp: 409241
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.7 8.2 12.2

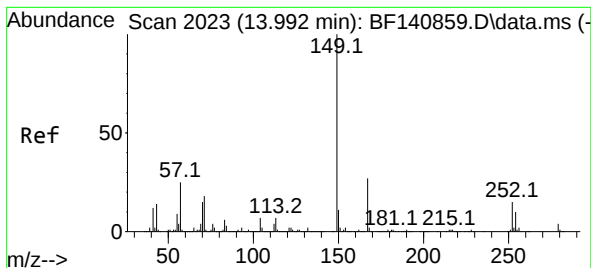


#83
 Chrysene
 Concen: 2.004 ng
 RT: 14.086 min Scan# 2039
 Delta R.T. 0.023 min
 Lab File: BF140964.D
 Acq: 23 Dec 2024 12:46



Tgt Ion:228 Resp: 16059
 Ion Ratio Lower Upper
 228 100
 226 34.2 24.1 36.1
 229 22.8 16.0 24.0

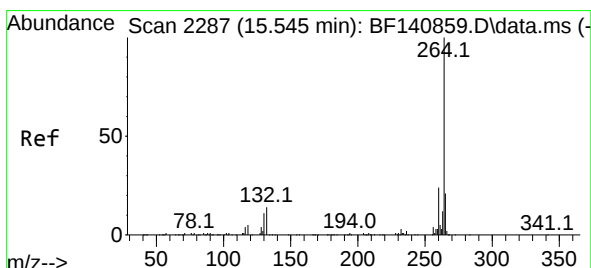
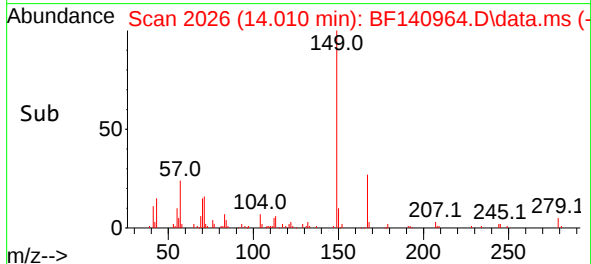
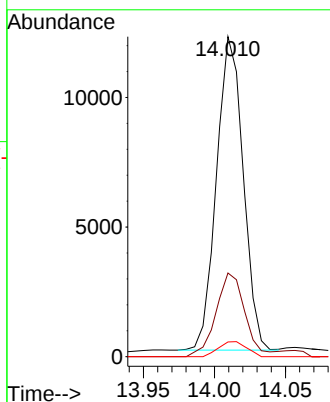
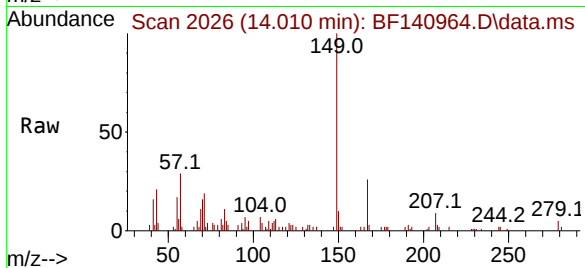




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.009 ng
 RT: 14.010 min Scan# 2026
 Delta R.T. 0.017 min
 Lab File: BF140964.D
 Acq: 23 Dec 2024 12:46

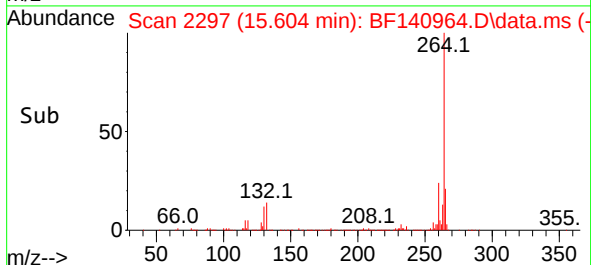
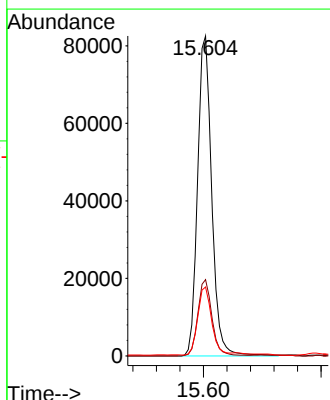
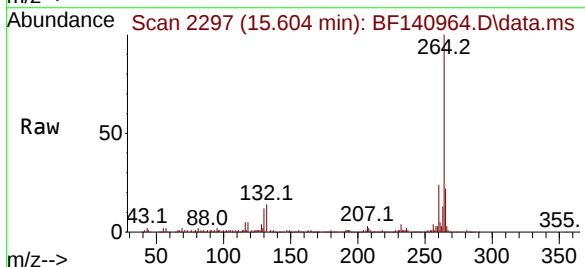
Instrument :
 BNA_F
 ClientSampleId :
 RBR251688

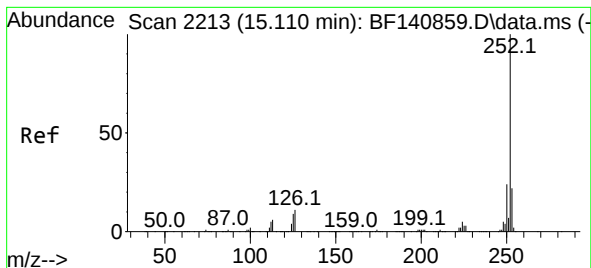
Tgt Ion:149 Resp: 15788
 Ion Ratio Lower Upper
 149 100
 167 26.1 21.8 32.8
 279 4.6 3.5 5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.604 min Scan# 2297
 Delta R.T. 0.059 min
 Lab File: BF140964.D
 Acq: 23 Dec 2024 12:46

Tgt Ion:264 Resp: 137694
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 21.5 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.199 ng

RT: 15.168 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

Instrument :

BNA_F

ClientSampleId :

RBR251688

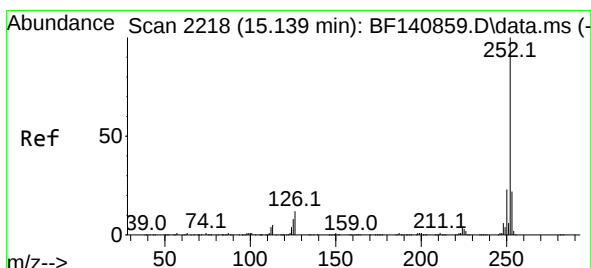
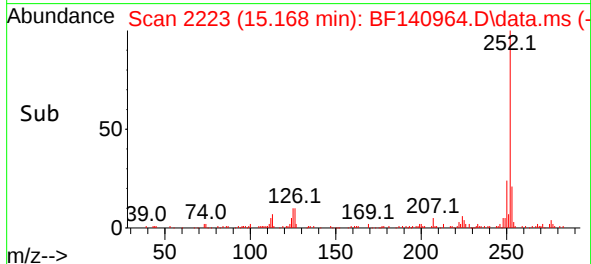
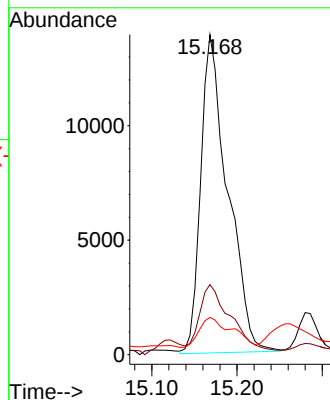
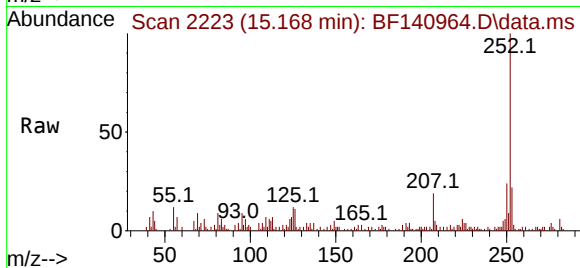
Tgt Ion:252 Resp: 30573

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 11.6 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 3.729 ng

RT: 15.168 min Scan# 2223

Delta R.T. 0.029 min

Lab File: BF140964.D

Acq: 23 Dec 2024 12:46

Tgt Ion:252 Resp: 30573

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.6 6.8 10.2#

