

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
 Data File : BF140907.D
 Acq On : 18 Dec 2024 15:54
 Operator : RC/JU
 Sample : P5291-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EQUIP-BLANK-20241213

Quant Time: Dec 18 16:21:02 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)

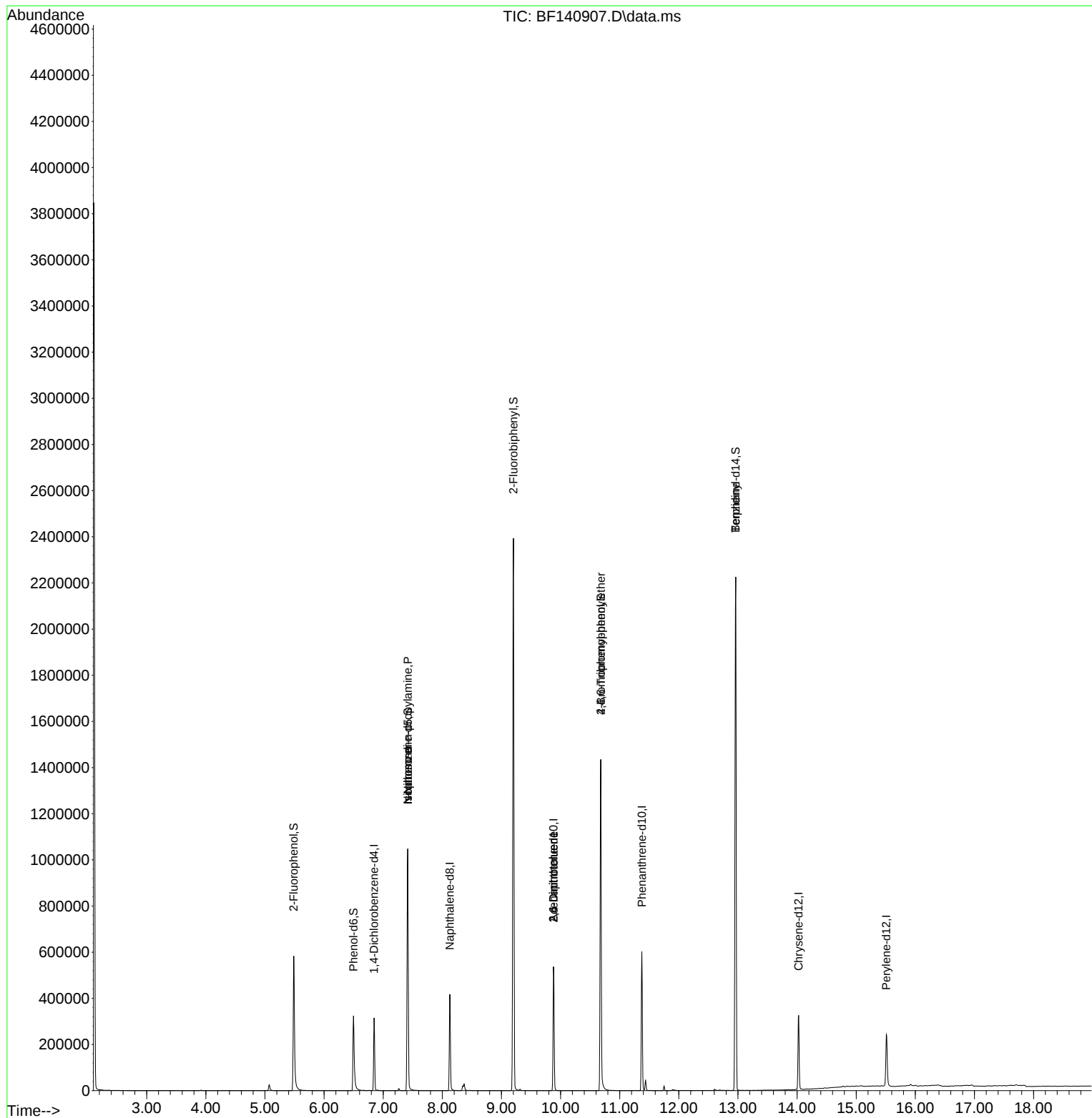
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	68564	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	271005	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	166965	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	332226	20.000	ng	0.00
76) Chrysene-d12	14.027	240	166648	20.000	ng	0.00
86) Perylene-d12	15.510	264	153161	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	266574	64.003	ng	0.00
7) Phenol-d6	6.498	99	193253	35.031	ng	0.00
23) Nitrobenzene-d5	7.416	82	501999	92.676	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	269102	136.273	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1102908	90.817	ng	0.00
79) Terphenyl-d14	12.963	244	1160788	109.837	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.416	70	67902	20.520	ng	# 76
25) Isophorone	7.416	82	497105	54.771	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	20757	7.713	ng	# 21
57) 2,4-Dinitrotoluene	9.880	165	20757	5.862	ng	# 16
67) 4-Bromophenyl-phenylether	10.680	248	17126	4.608	ng	# 1
77) Benzidine	12.963	184	15096	4.438	ng	# 91

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

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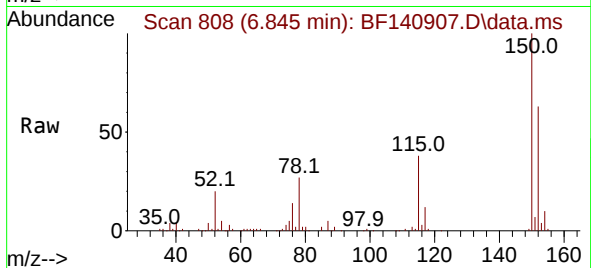
Quant Time: Dec 18 16:21:02 2024
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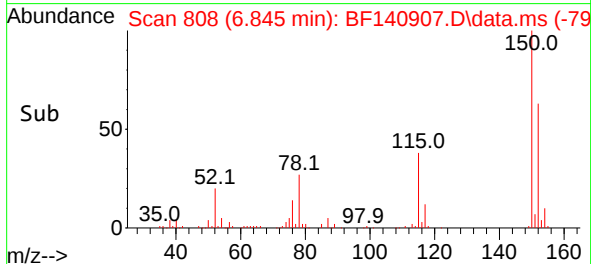
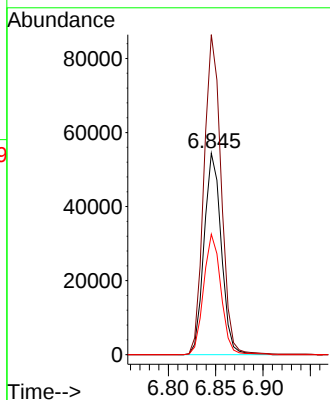


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140907.D
Acq: 18 Dec 2024 15:54

Instrument :
BNA_F
ClientSampleId :
EQUIP-BLANK-20241213

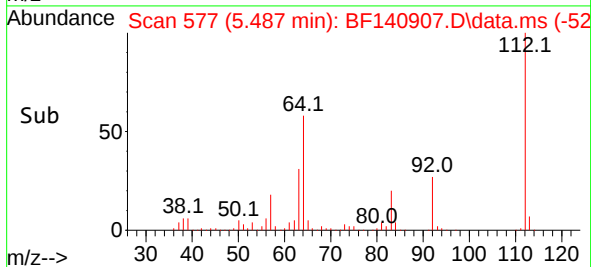
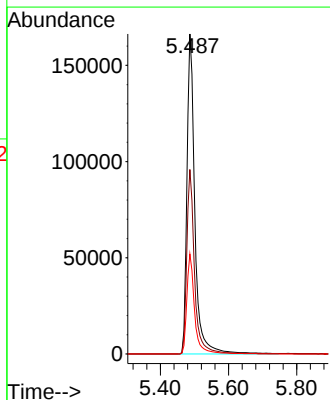
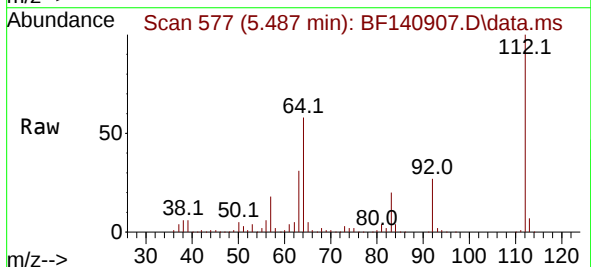


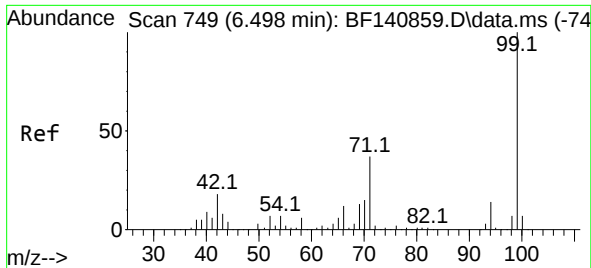
Tgt Ion:152 Resp: 68564
Ion Ratio Lower Upper
152 100
150 158.8 127.9 191.9
115 59.8 48.0 72.0



#5
2-Fluorophenol
Concen: 64.003 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF140907.D
Acq: 18 Dec 2024 15:54

Tgt Ion:112 Resp: 266574
Ion Ratio Lower Upper
112 100
64 57.6 46.1 69.1
63 31.2 24.9 37.3





#7

Phenol-d6

Concen: 35.031 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.000 min

Lab File: BF140907.D

Acq: 18 Dec 2024 15:54

Instrument :

BNA_F

ClientSampleId :

EQUIP-BLANK-20241213

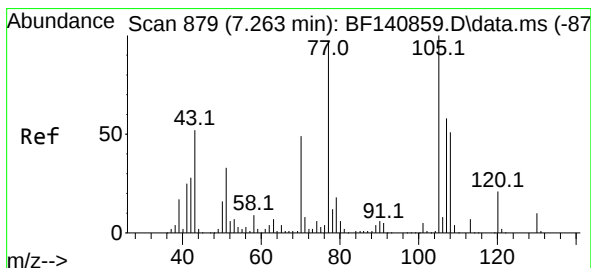
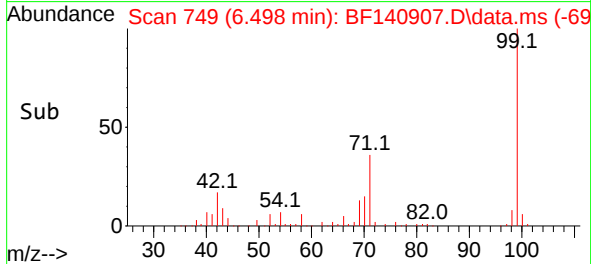
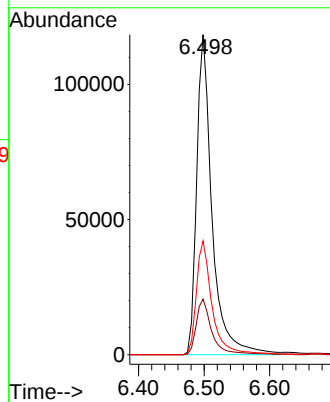
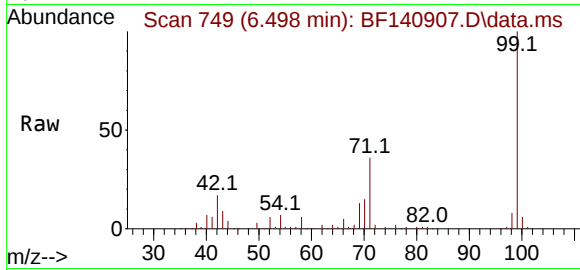
Tgt Ion: 99 Resp: 193253

Ion Ratio Lower Upper

99 100

42 17.4 14.3 21.5

71 35.6 29.9 44.9



#19

n-Nitroso-di-n-propylamine

Concen: 20.520 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.153 min

Lab File: BF140907.D

Acq: 18 Dec 2024 15:54

Tgt Ion: 70 Resp: 67902

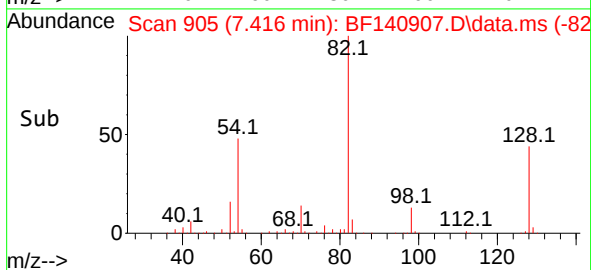
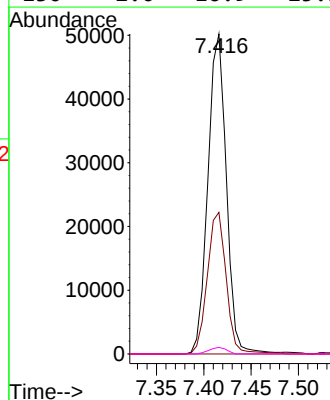
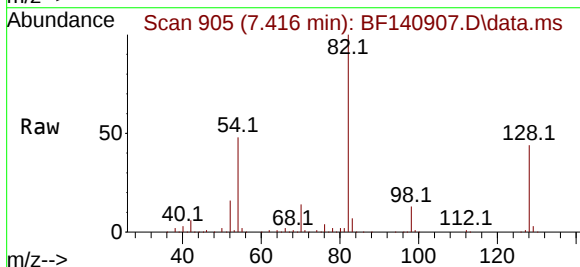
Ion Ratio Lower Upper

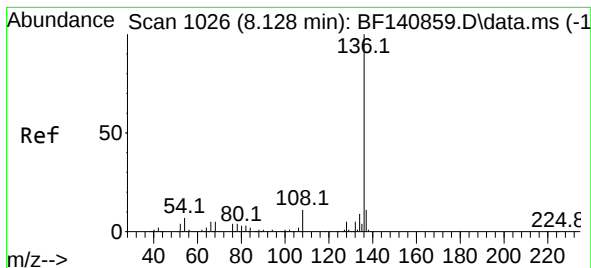
70 100

42 44.2 45.3 67.9#

101 0.0 8.0 12.0#

130 2.0 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: BF140907.D

Acq: 18 Dec 2024 15:54

Instrument :

BNA_F

ClientSampleId :

EQUIP-BLANK-20241213

Tgt Ion:136 Resp: 271005

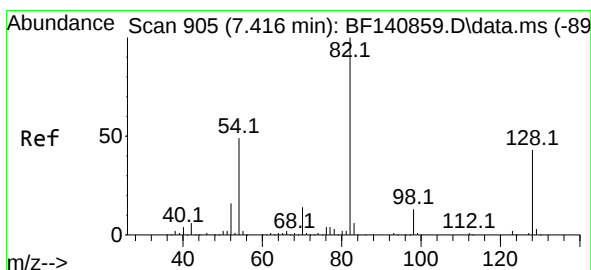
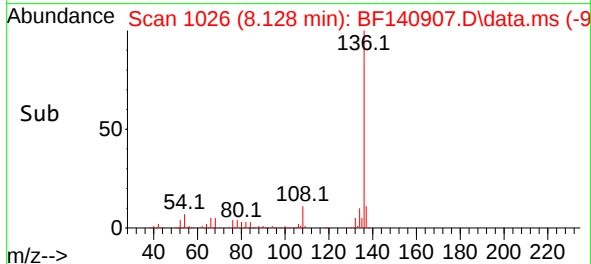
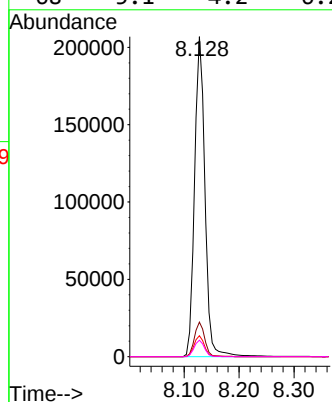
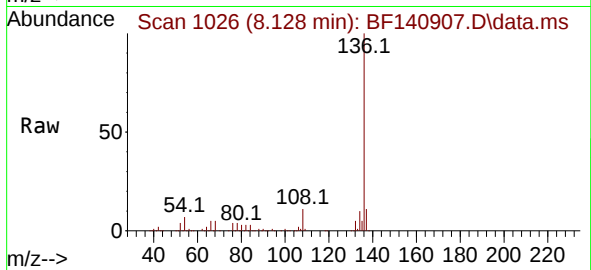
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.6 5.6 8.4

68 5.1 4.2 6.2



#23

Nitrobenzene-d5

Concen: 92.676 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140907.D

Acq: 18 Dec 2024 15:54

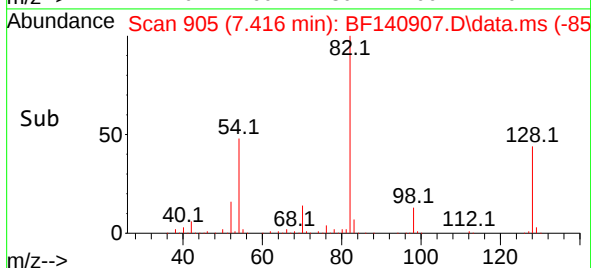
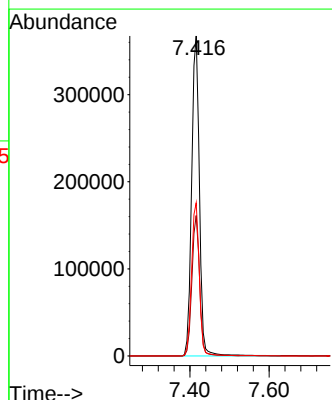
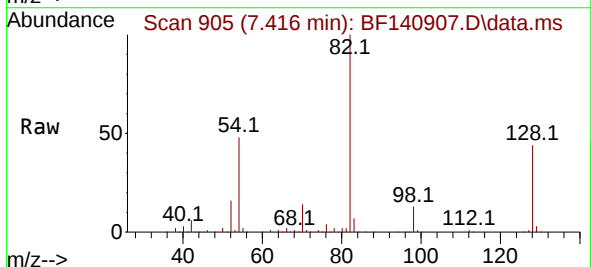
Tgt Ion: 82 Resp: 501999

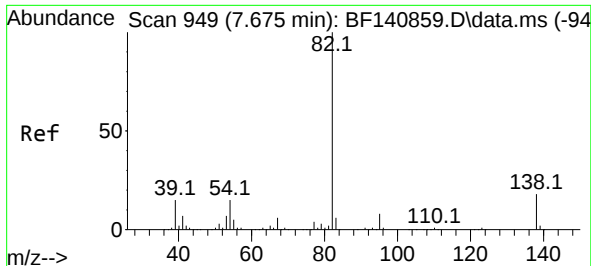
Ion Ratio Lower Upper

82 100

128 43.9 34.4 51.6

54 47.8 38.8 58.2

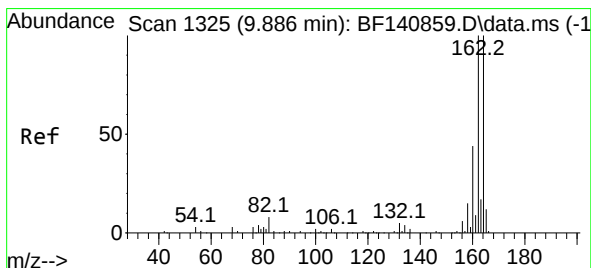
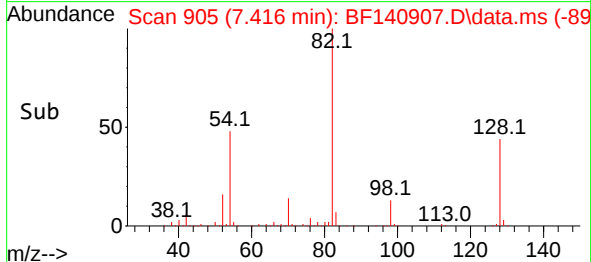
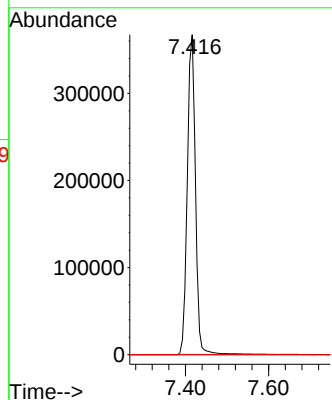
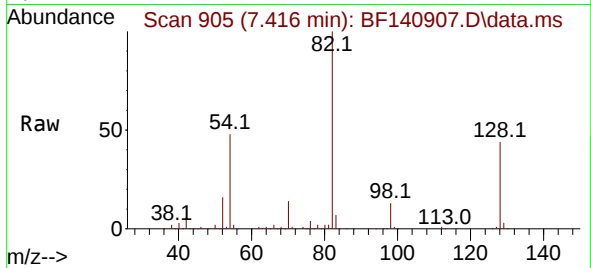




#25
Isophorone
Concen: 54.771 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF140907.D
Acq: 18 Dec 2024 15:54

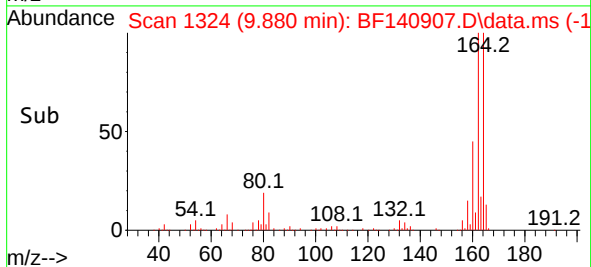
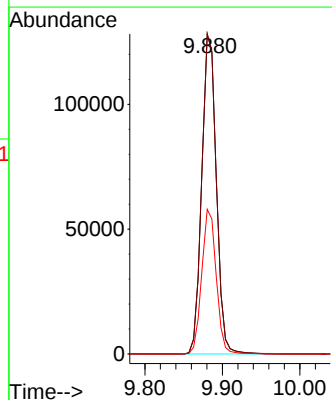
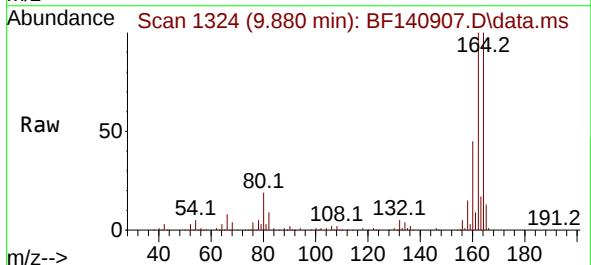
Instrument :
BNA_F
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EQUIP-BLANK-20241213

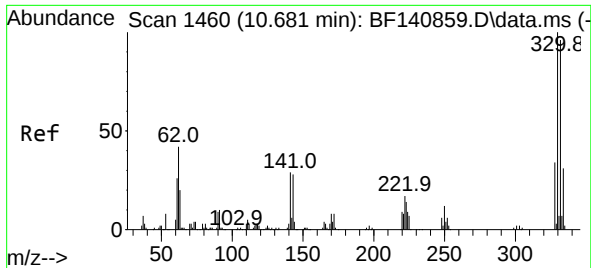
Tgt Ion: 82 Resp: 497105
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140907.D
Acq: 18 Dec 2024 15:54

Tgt Ion:164 Resp: 166965
Ion Ratio Lower Upper
164 100
162 100.0 79.9 119.9
160 45.2 35.2 52.8

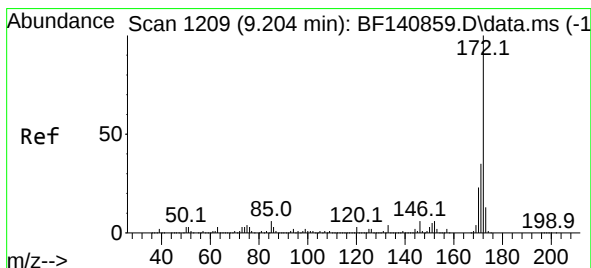
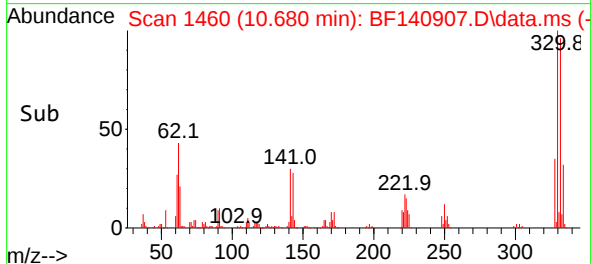
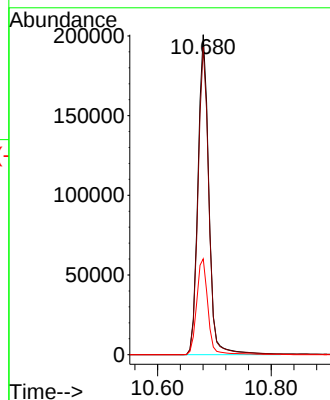
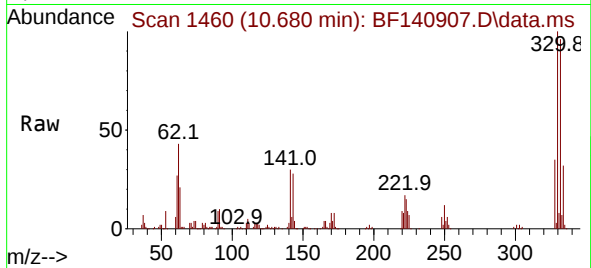




#42
 2,4,6-Tribromophenol
 Concen: 136.273 ng
 RT: 10.680 min Scan# 1460
 Delta R.T. -0.000 min
 Lab File: BF140907.D
 Acq: 18 Dec 2024 15:54

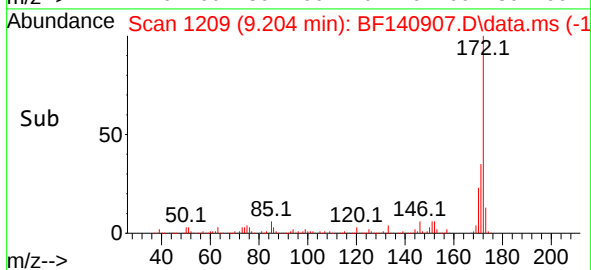
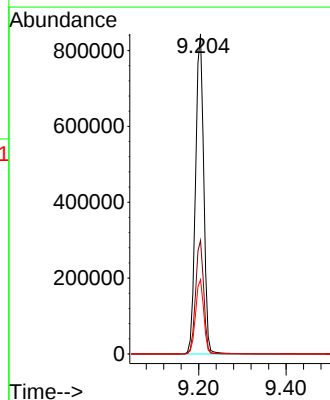
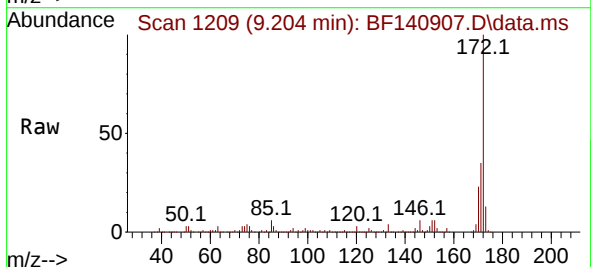
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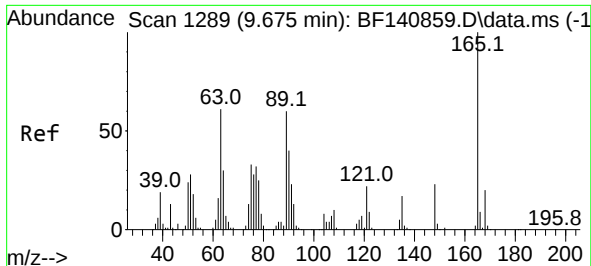
Tgt Ion:330 Resp: 269102
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.2 114.4
 141 31.1 24.9 37.3



#45
 2-Fluorobiphenyl
 Concen: 90.817 ng
 RT: 9.204 min Scan# 1209
 Delta R.T. -0.000 min
 Lab File: BF140907.D
 Acq: 18 Dec 2024 15:54

Tgt Ion:172 Resp: 1102908
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.4 42.6
 170 23.2 18.6 28.0

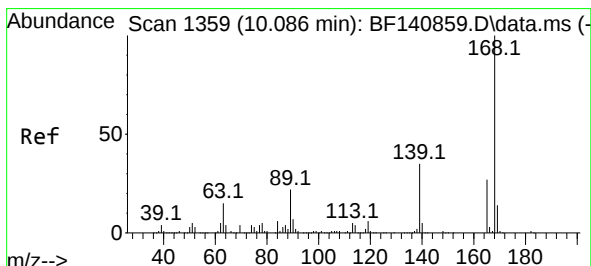
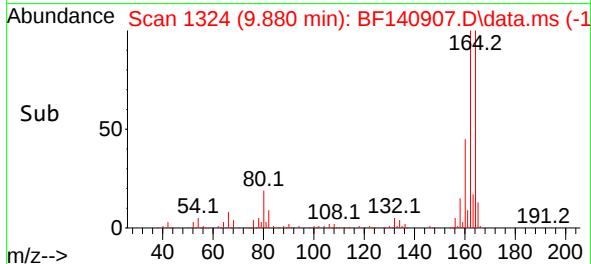
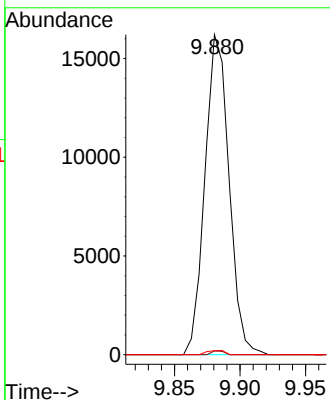
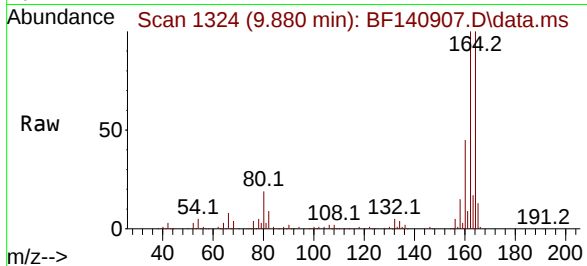




#51
2,6-Dinitrotoluene
Concen: 7.713 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140907.D
Acq: 18 Dec 2024 15:54

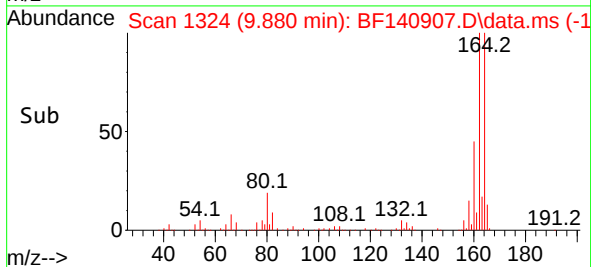
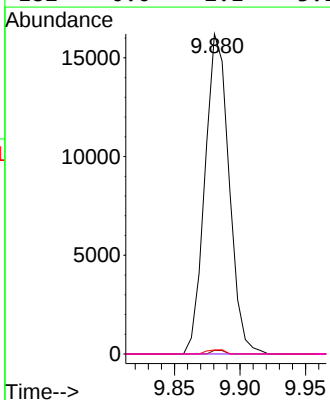
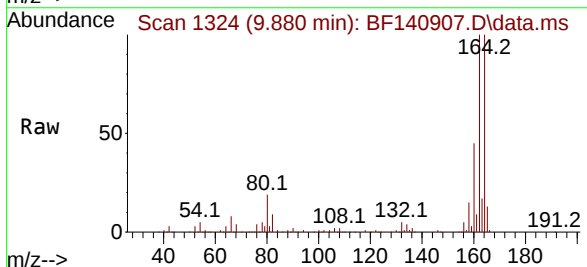
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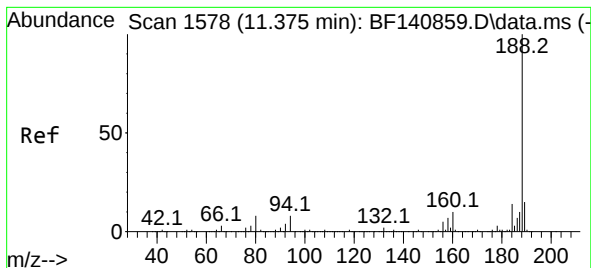
Tgt Ion:165 Resp: 20757
Ion Ratio Lower Upper
165 100
63 1.2 49.7 74.5#
89 1.2 48.2 72.4#



#57
2,4-Dinitrotoluene
Concen: 5.862 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF140907.D
Acq: 18 Dec 2024 15:54

Tgt Ion:165 Resp: 20757
Ion Ratio Lower Upper
165 100
63 1.2 49.3 73.9#
89 1.2 66.2 99.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140907.D

Acq: 18 Dec 2024 15:54

Instrument :

BNA_F

ClientSampleId :

EQUIP-BLANK-20241213

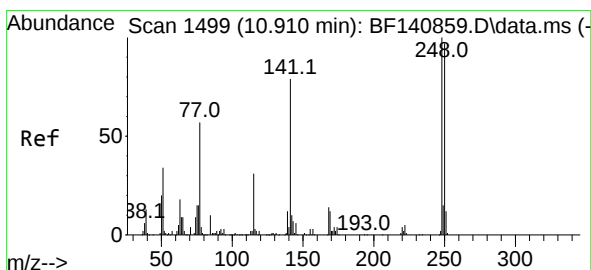
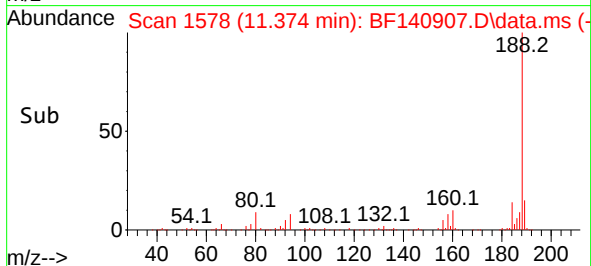
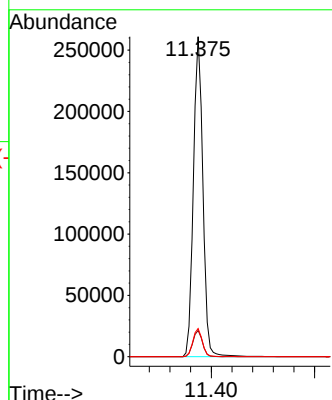
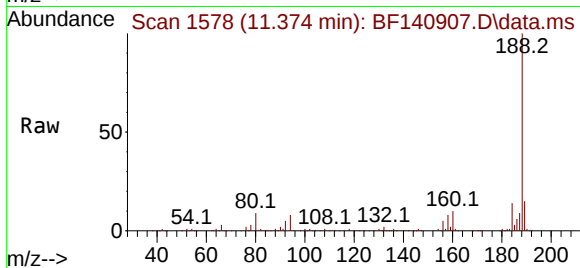
Tgt Ion:188 Resp: 332226

Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 8.8 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 4.608 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.230 min

Lab File: BF140907.D

Acq: 18 Dec 2024 15:54

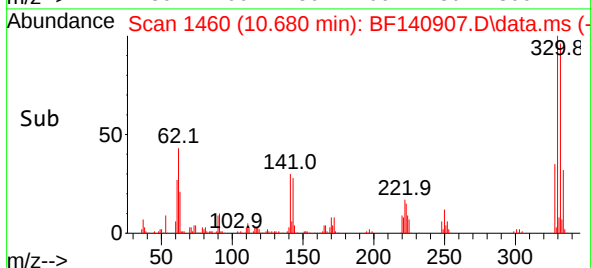
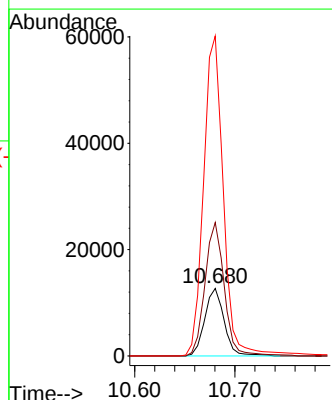
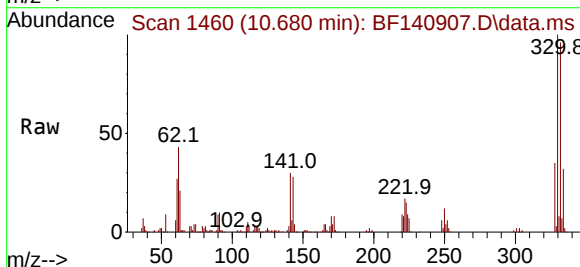
Tgt Ion:248 Resp: 17126

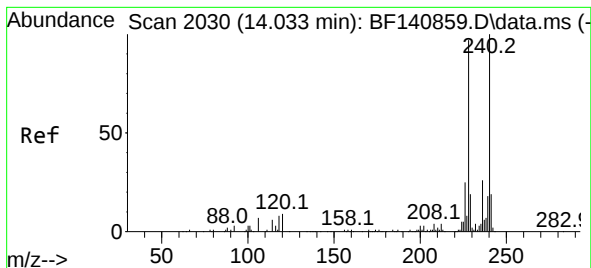
Ion Ratio Lower Upper

248 100

250 197.3 77.4 116.2#

141 473.3 62.9 94.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140907.D

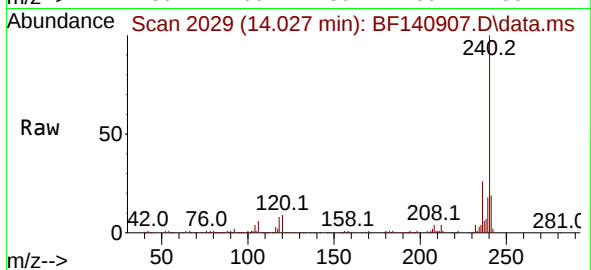
Acq: 18 Dec 2024 15:54

Instrument :

BNA_F

ClientSampleId :

EQUIP-BLANK-20241213



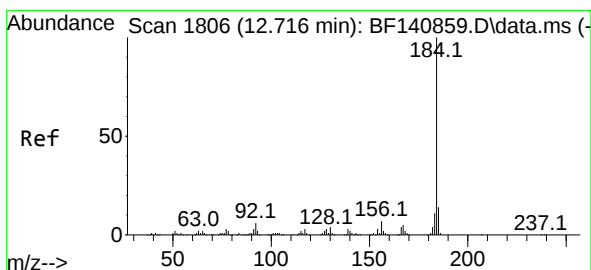
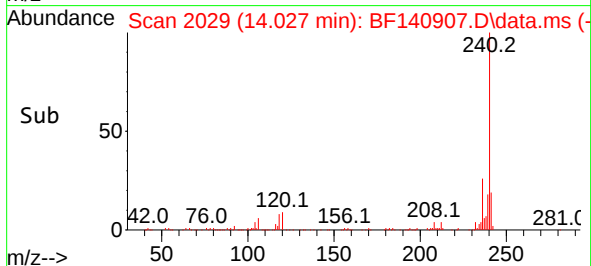
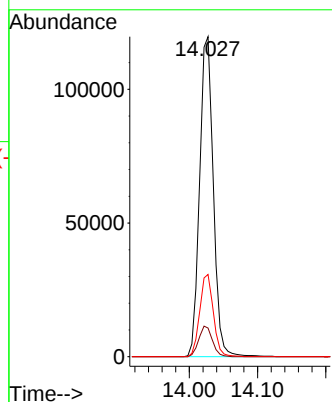
Tgt Ion:240 Resp: 166648

Ion Ratio Lower Upper

240 100

120 8.9 7.6 11.4

236 25.7 20.5 30.7



#77

Benzidine

Concen: 4.438 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.247 min

Lab File: BF140907.D

Acq: 18 Dec 2024 15:54

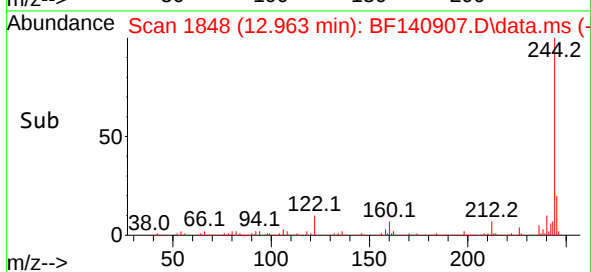
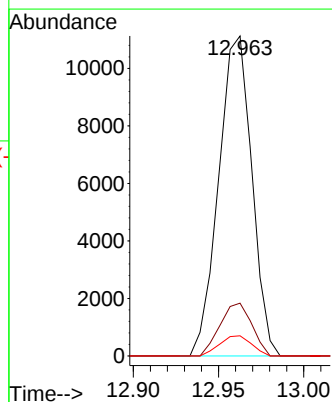
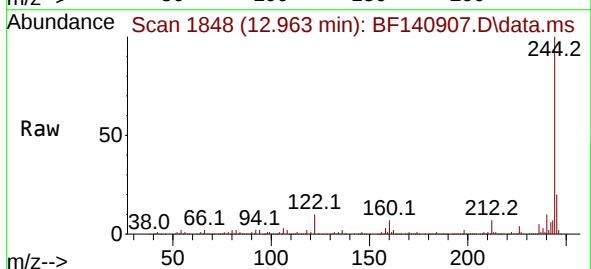
Tgt Ion:184 Resp: 15096

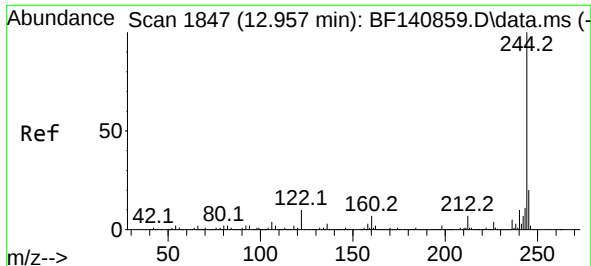
Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

183 6.3 9.0 13.4#

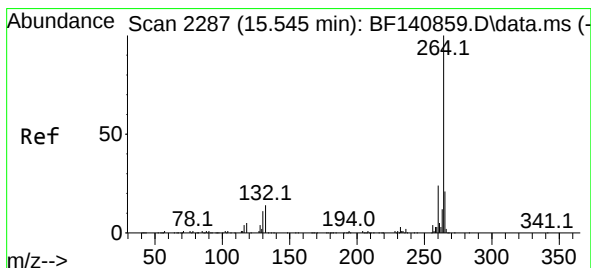
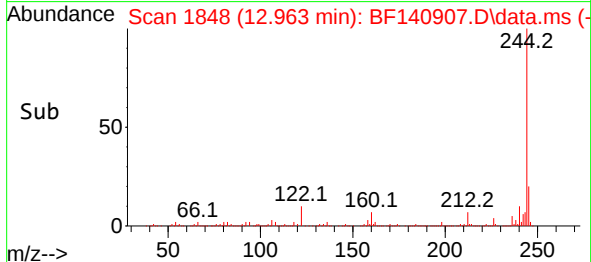
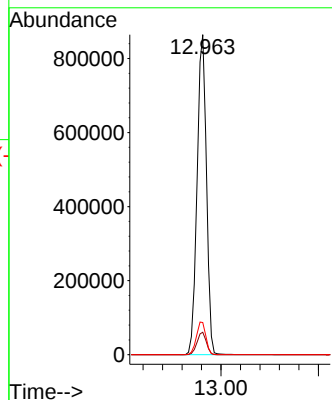
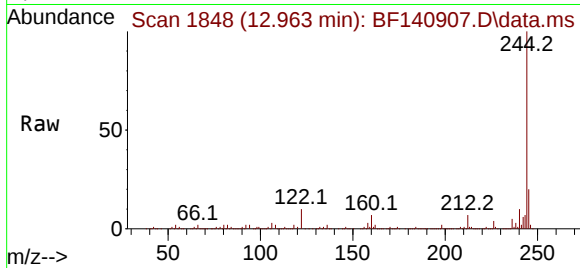




#79
 Terphenyl-d14
 Concen: 109.837 ng
 RT: 12.963 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF140907.D
 Acq: 18 Dec 2024 15:54

Instrument :
 BNA_F
 ClientSampleId :
 EQUIP-BLANK-20241213

Tgt Ion:244 Resp: 1160788
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. -0.035 min
 Lab File: BF140907.D
 Acq: 18 Dec 2024 15:54

Tgt Ion:264 Resp: 153161
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 21.5 17.0 25.4

