

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139508.D
 Acq On : 20 Sep 2024 18:20
 Operator : RC/JU
 Sample : P4103-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-5-7.5A

Quant Time: Sep 20 23:21:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

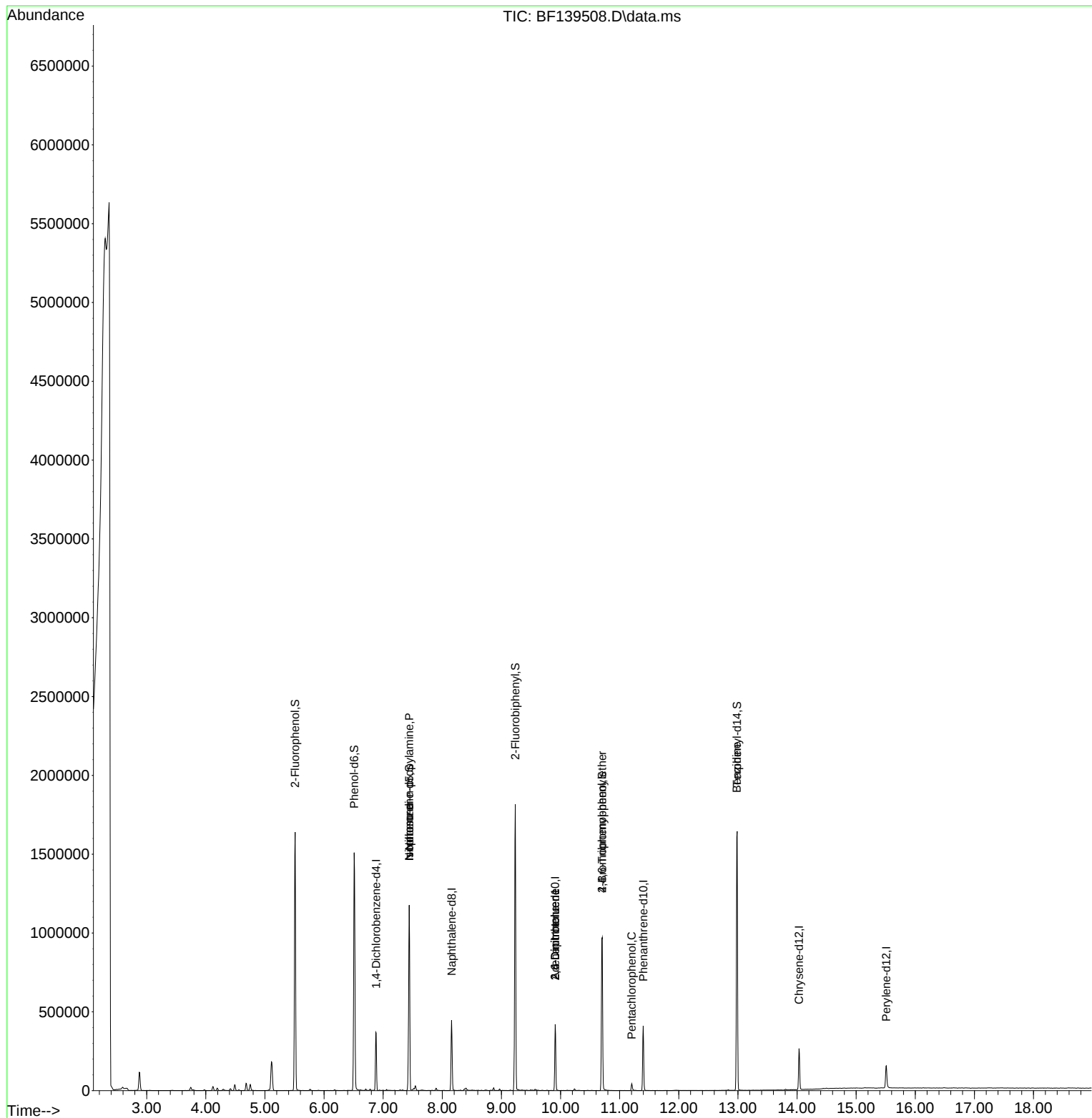
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74397	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	256441	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	119498	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	212737	20.000	ng	0.00
76) Chrysene-d12	14.033	240	125388	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	91312	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	547931	120.148	ng	0.02
7) Phenol-d6	6.510	99	662312	110.645	ng	0.00
23) Nitrobenzene-d5	7.440	82	498516	91.389	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	151836	119.349	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	779918	91.537	ng	0.00
79) Terphenyl-d14	12.986	244	813837	106.535	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	68176	19.220	ng	# 75
25) Isophorone	7.440	82	498510	57.785	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	15605	8.981	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	15605	6.652	ng	# 16
67) 4-Bromophenyl-phenylether	10.704	248	10720	5.085	ng	# 1
70) Pentachlorophenol	11.204	266	8228	5.542	ng	99
77) Benzidine	12.980	184	11647	6.483	ng	# 91

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

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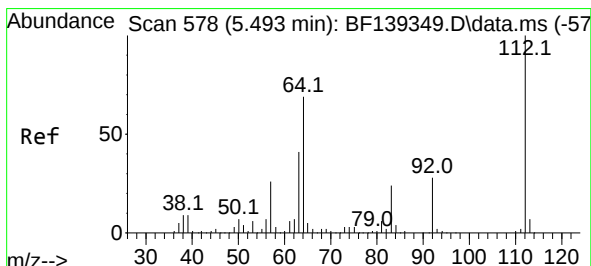
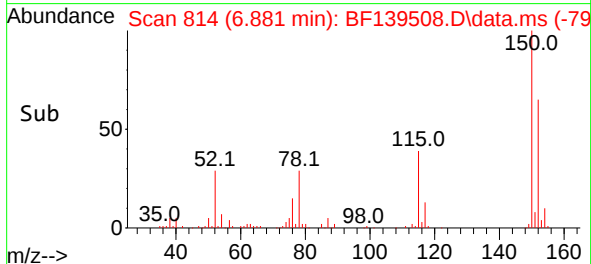
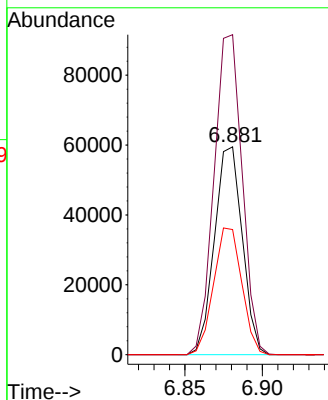
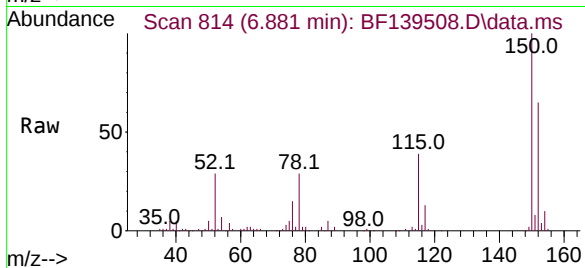




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

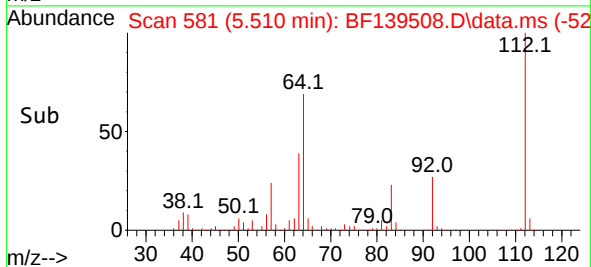
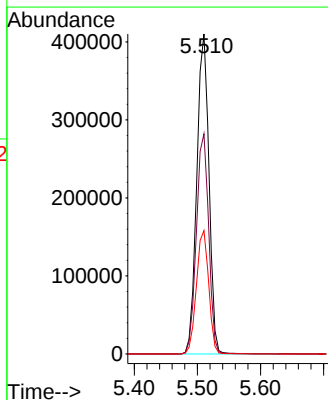
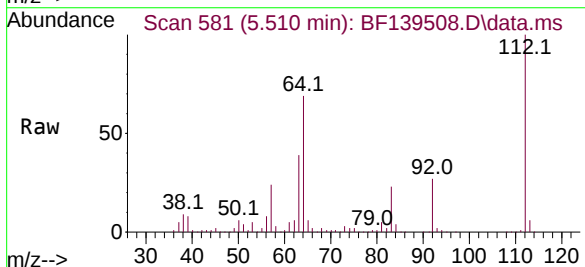
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5A

Tgt Ion:152 Resp: 74397
Ion Ratio Lower Upper
152 100
150 153.9 124.1 186.1
115 60.2 48.1 72.1



#5
2-Fluorophenol
Concen: 120.148 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.017 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

Tgt Ion:112 Resp: 547931
Ion Ratio Lower Upper
112 100
64 68.8 54.8 82.2
63 38.5 33.0 49.4

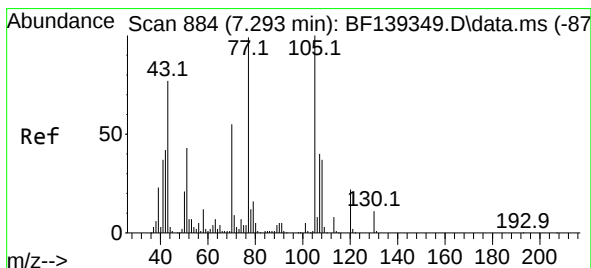
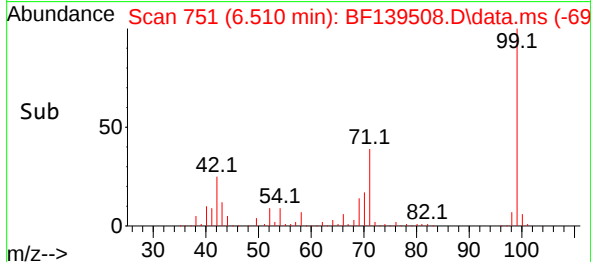
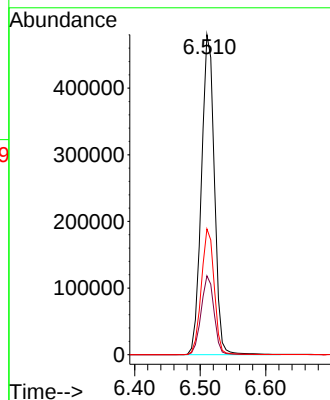
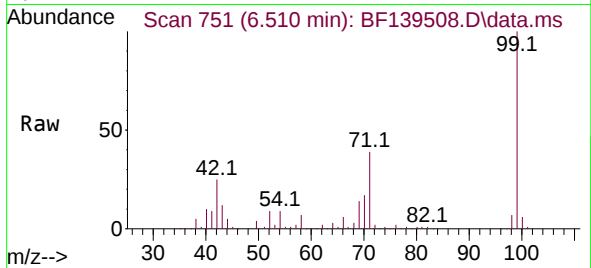




#7
Phenol-d6
Concen: 110.645 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

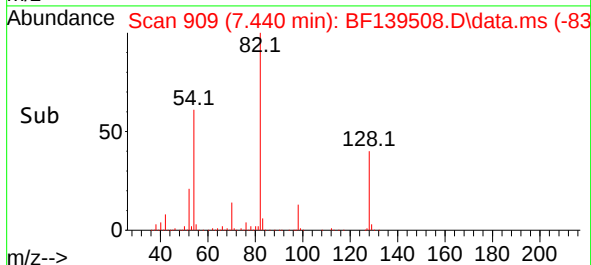
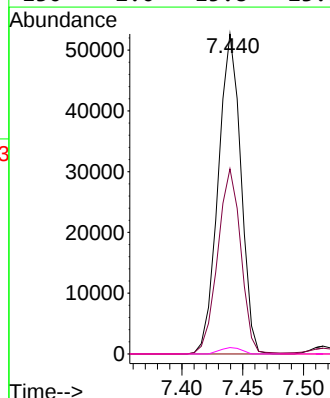
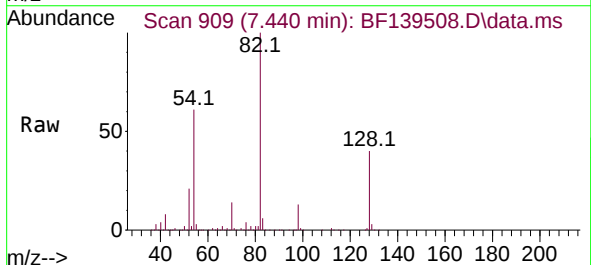
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5A

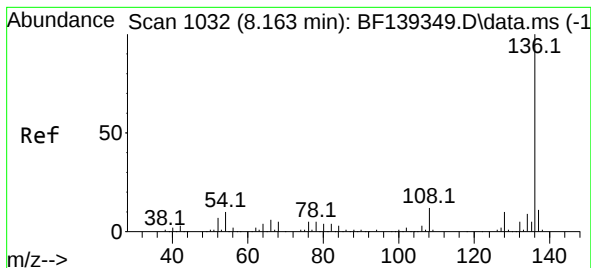
Tgt Ion: 99 Resp: 662312
Ion Ratio Lower Upper
99 100
42 24.6 21.9 32.9
71 39.3 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 19.220 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

Tgt Ion: 70 Resp: 68176
Ion Ratio Lower Upper
70 100
42 57.8 61.2 91.8#
101 0.0 7.5 11.3#
130 2.0 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139508.D

Acq: 20 Sep 2024 18:20

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5A

Tgt Ion:136 Resp: 256441

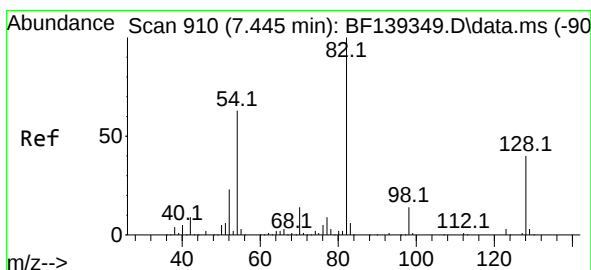
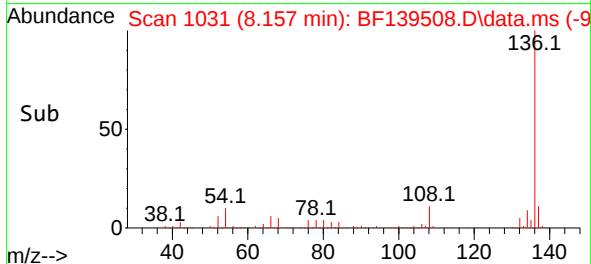
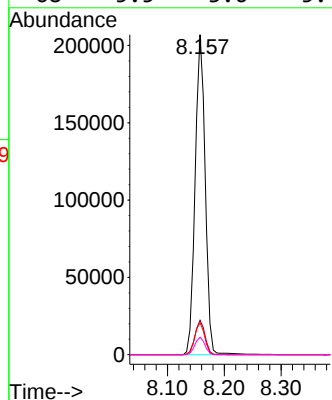
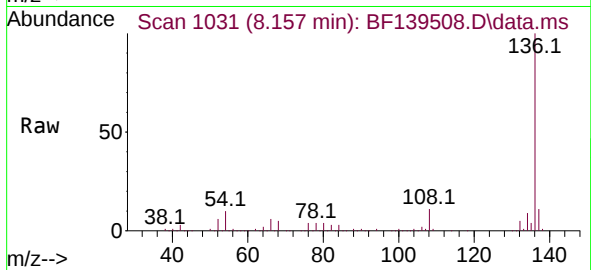
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 10.0 7.8 11.8

68 5.5 3.6 5.4#



#23

Nitrobenzene-d5

Concen: 91.389 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139508.D

Acq: 20 Sep 2024 18:20

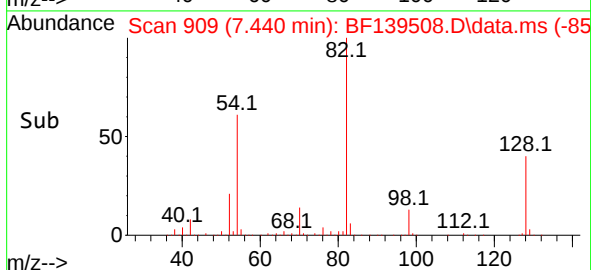
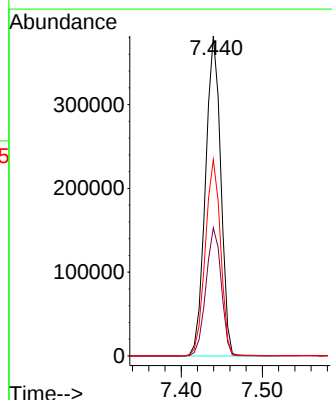
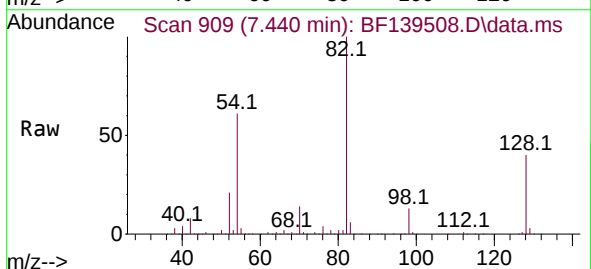
Tgt Ion: 82 Resp: 498516

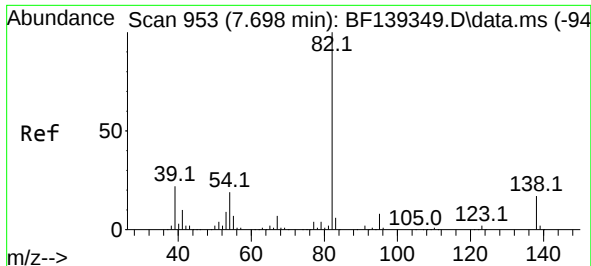
Ion Ratio Lower Upper

82 100

128 40.1 31.8 47.6

54 61.3 50.6 75.8

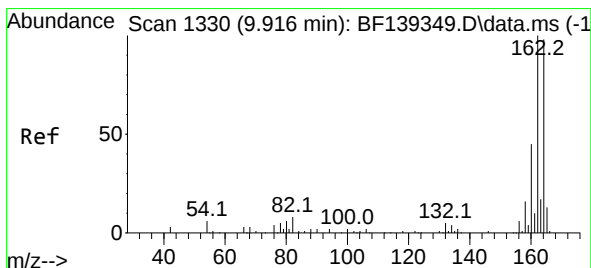
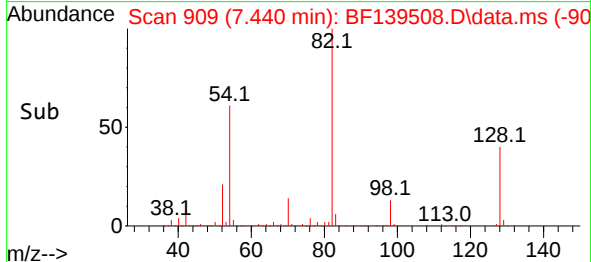
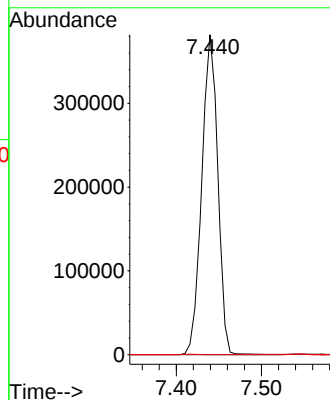
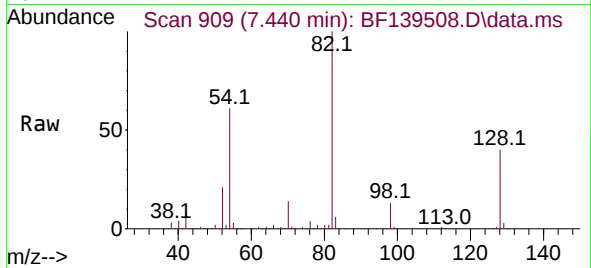




#25
Isophorone
Concen: 57.785 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

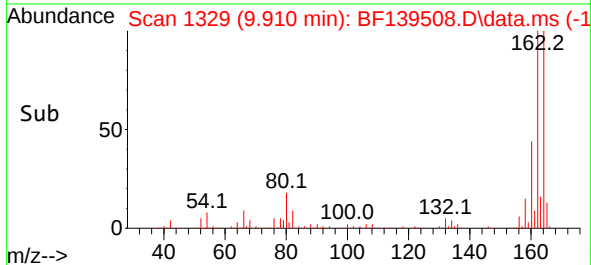
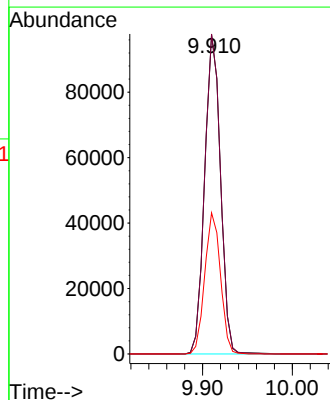
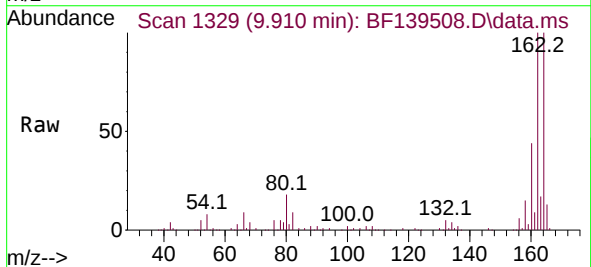
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5A

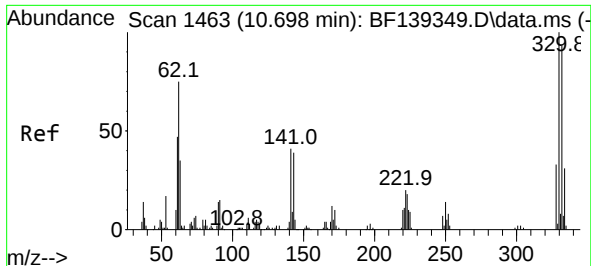
Tgt Ion: 82 Resp: 498510
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

Tgt Ion:164 Resp: 119498
Ion Ratio Lower Upper
164 100
162 100.2 81.3 121.9
160 44.2 36.4 54.6

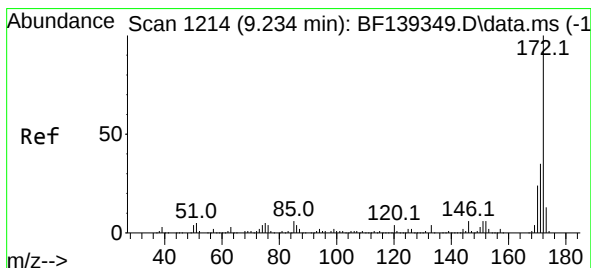
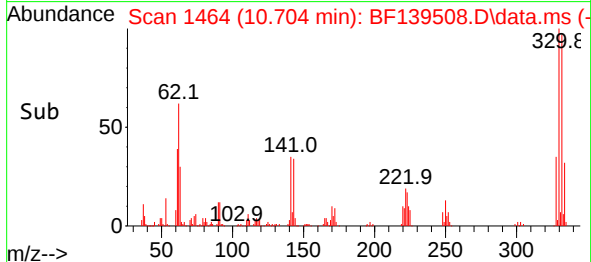
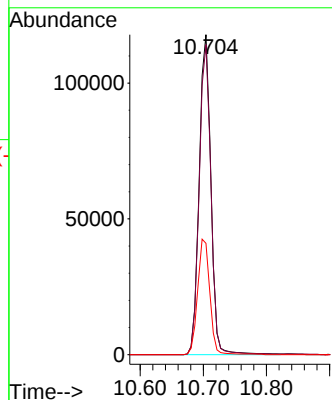
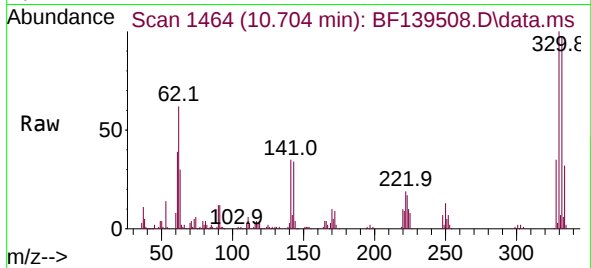




#42
2,4,6-Tribromophenol
Concen: 119.349 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

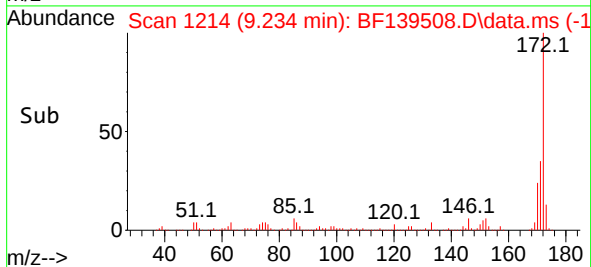
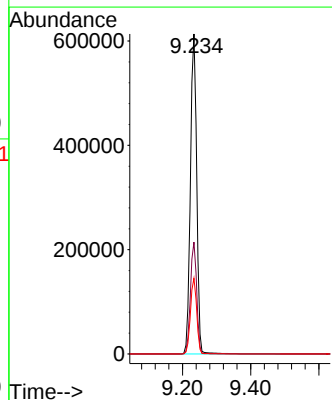
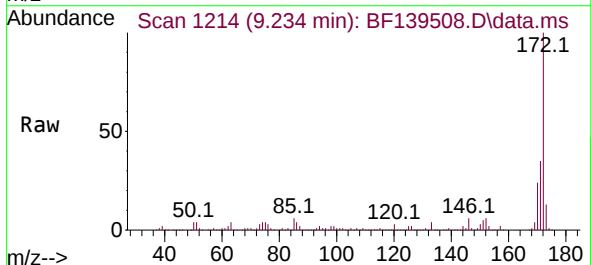
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5A

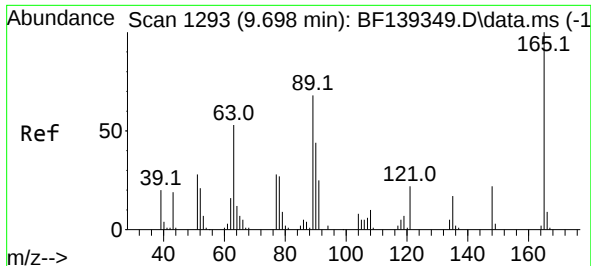
Tgt Ion:330 Resp: 151836
Ion Ratio Lower Upper
330 100
332 97.0 75.2 112.8
141 37.5 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 91.537 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

Tgt Ion:172 Resp: 779918
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.6 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.981 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139508.D

Acq: 20 Sep 2024 18:20

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5A

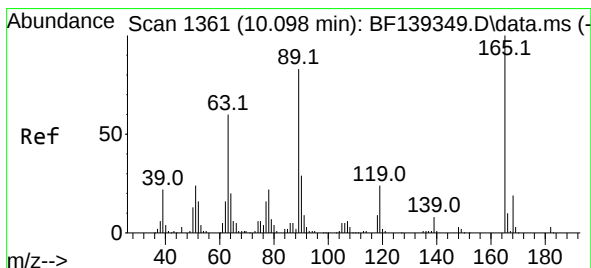
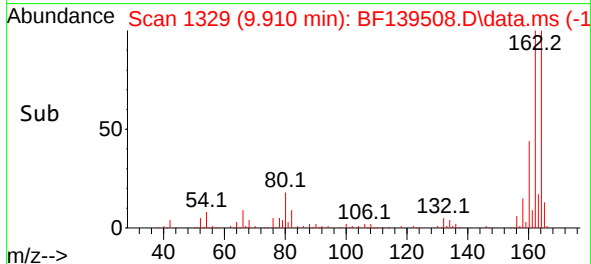
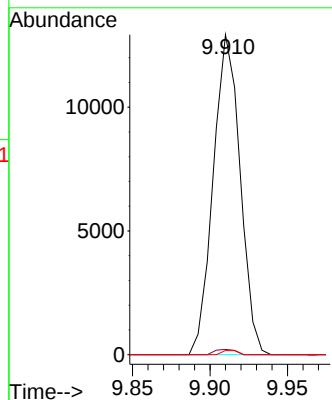
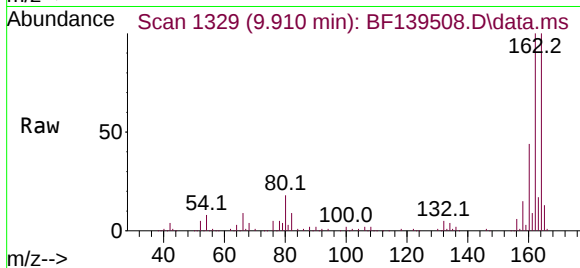
Tgt Ion:165 Resp: 15605

Ion Ratio Lower Upper

165 100

63 1.7 60.9 91.3#

89 1.3 54.7 82.1#



#57

2,4-Dinitrotoluene

Concen: 6.652 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.188 min

Lab File: BF139508.D

Acq: 20 Sep 2024 18:20

Tgt Ion:165 Resp: 15605

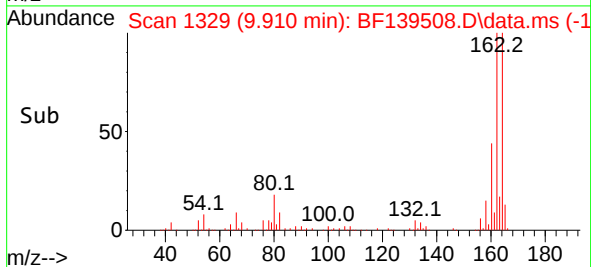
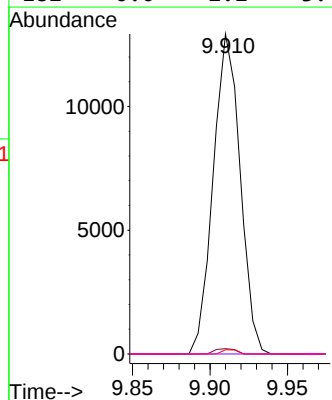
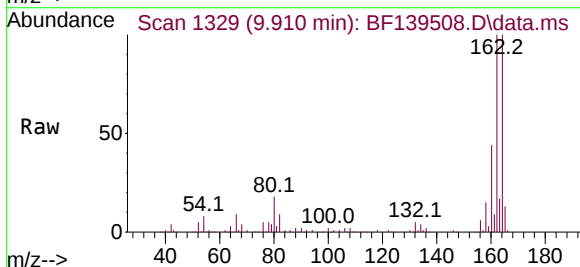
Ion Ratio Lower Upper

165 100

63 1.7 47.8 71.6#

89 1.3 66.7 100.1#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139508.D

Acq: 20 Sep 2024 18:20

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5A

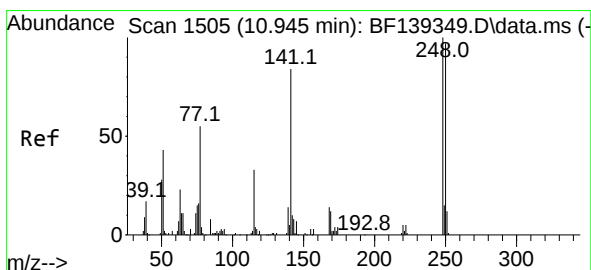
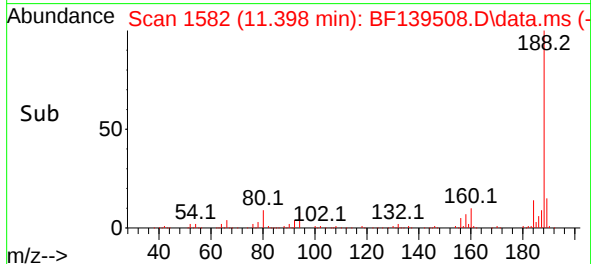
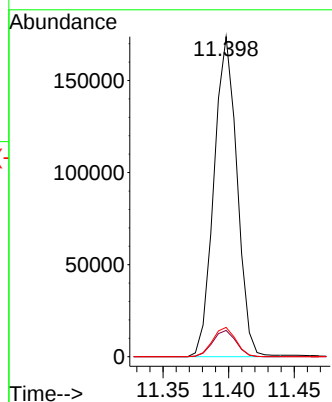
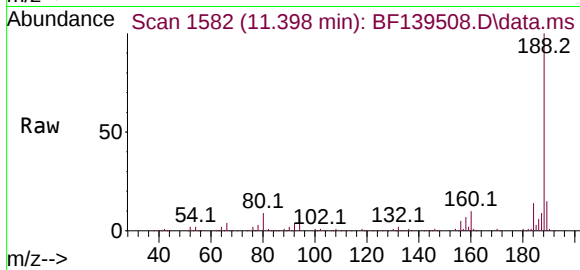
Tgt Ion:188 Resp: 212737

Ion Ratio Lower Upper

188 100

94 8.2 5.5 8.3

80 9.2 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 5.085 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF139508.D

Acq: 20 Sep 2024 18:20

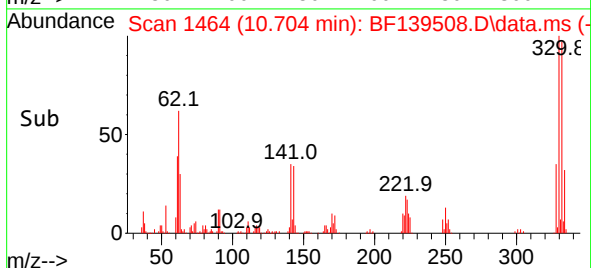
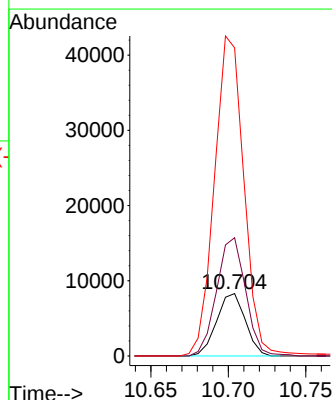
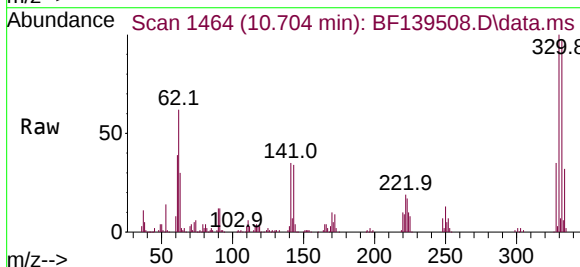
Tgt Ion:248 Resp: 10720

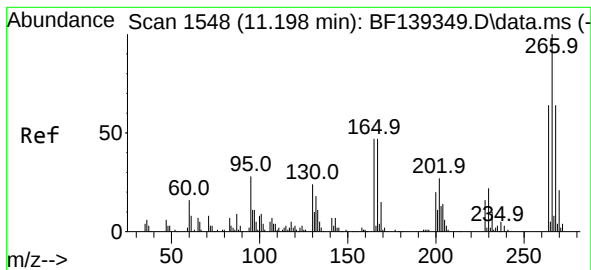
Ion Ratio Lower Upper

248 100

250 189.5 77.6 116.4#

141 494.1 66.9 100.3#

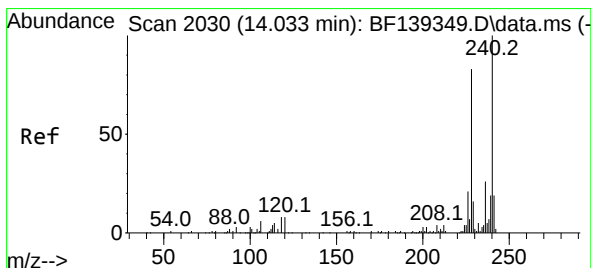
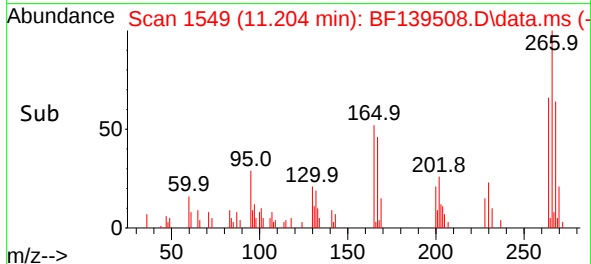
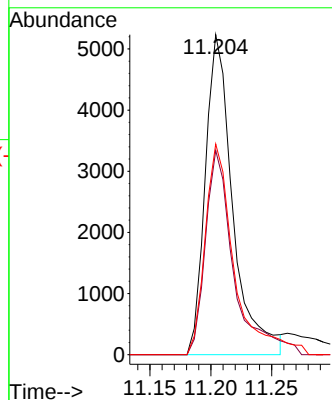
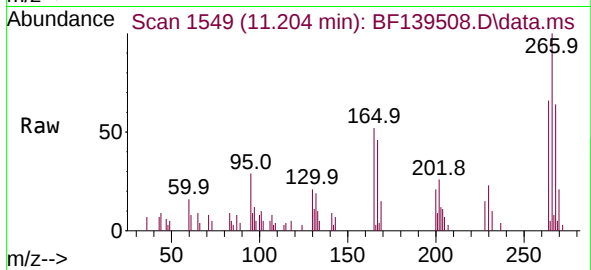




#70
Pentachlorophenol
Concen: 5.542 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.006 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

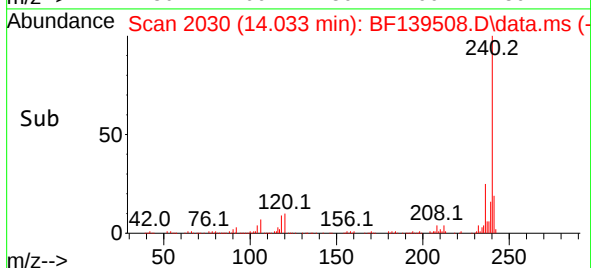
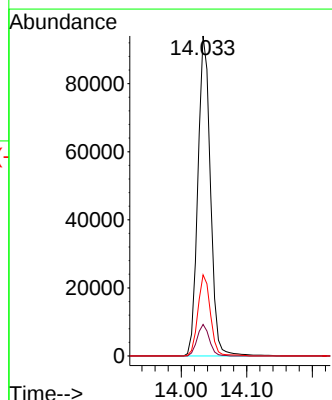
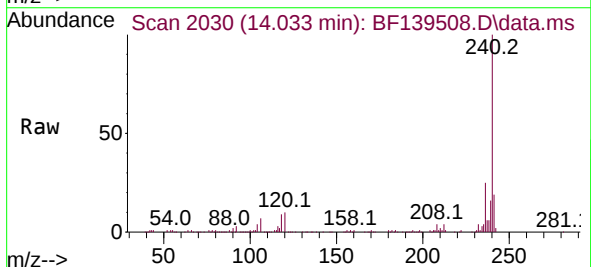
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5A

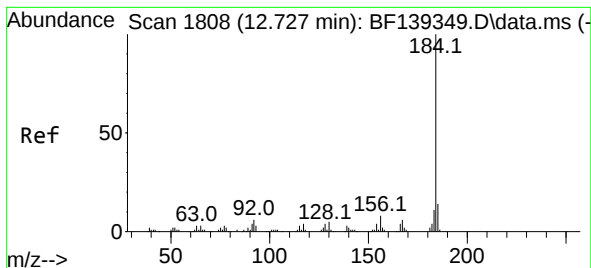
Tgt Ion:266 Resp: 8228
Ion Ratio Lower Upper
266 100
268 63.8 51.1 76.7
264 65.8 51.4 77.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139508.D
Acq: 20 Sep 2024 18:20

Tgt Ion:240 Resp: 125388
Ion Ratio Lower Upper
240 100
120 9.9 6.2 9.2#
236 25.4 20.9 31.3





#77

Benzidine

Concen: 6.483 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139508.D

Acq: 20 Sep 2024 18:20

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5A

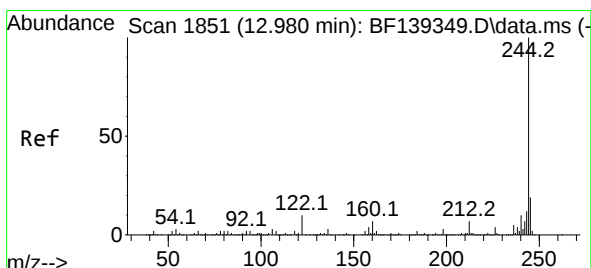
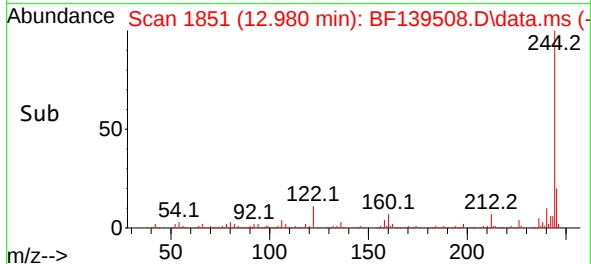
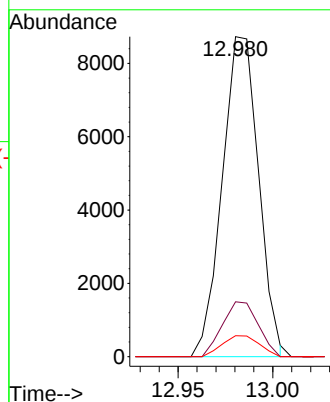
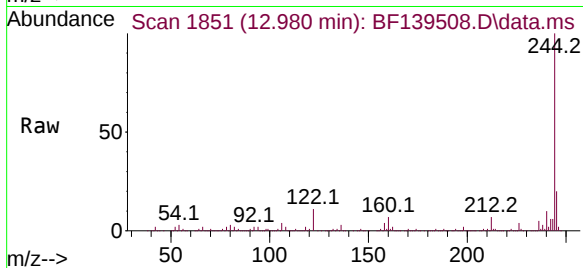
Tgt Ion:184 Resp: 11647

Ion Ratio Lower Upper

184 100

185 17.2 11.5 17.3

183 6.6 8.9 13.3#



#79

Terphenyl-d14

Concen: 106.535 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.006 min

Lab File: BF139508.D

Acq: 20 Sep 2024 18:20

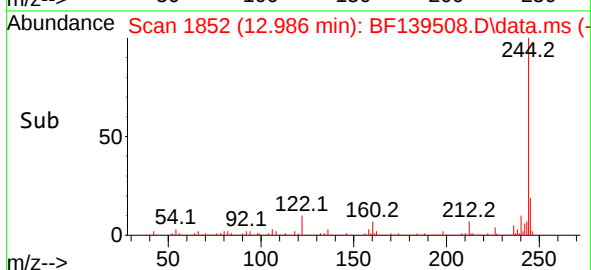
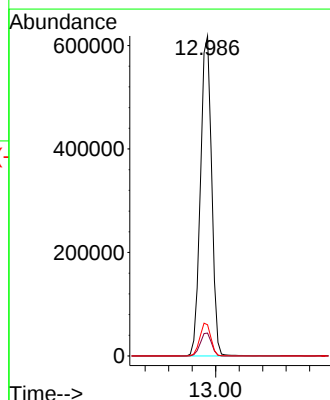
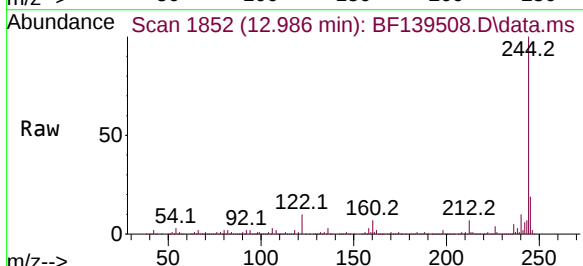
Tgt Ion:244 Resp: 813837

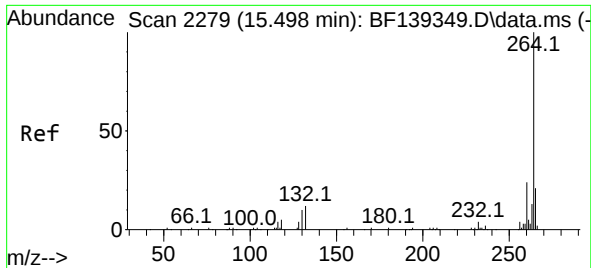
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

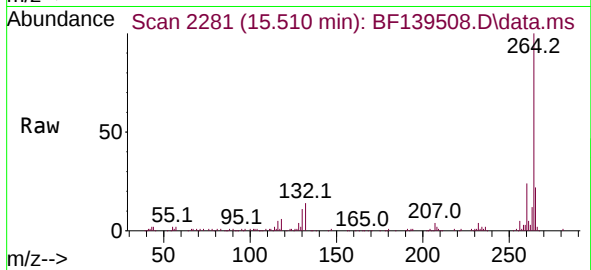
122 9.8 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF139508.D
 Acq: 20 Sep 2024 18:20

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-5-7.5A



Tgt Ion:264 Resp: 91312
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 22.0 16.6 25.0

