

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139509.D
 Acq On : 20 Sep 2024 18:49
 Operator : RC/JU
 Sample : P4103-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Sep 20 23:22:05 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)

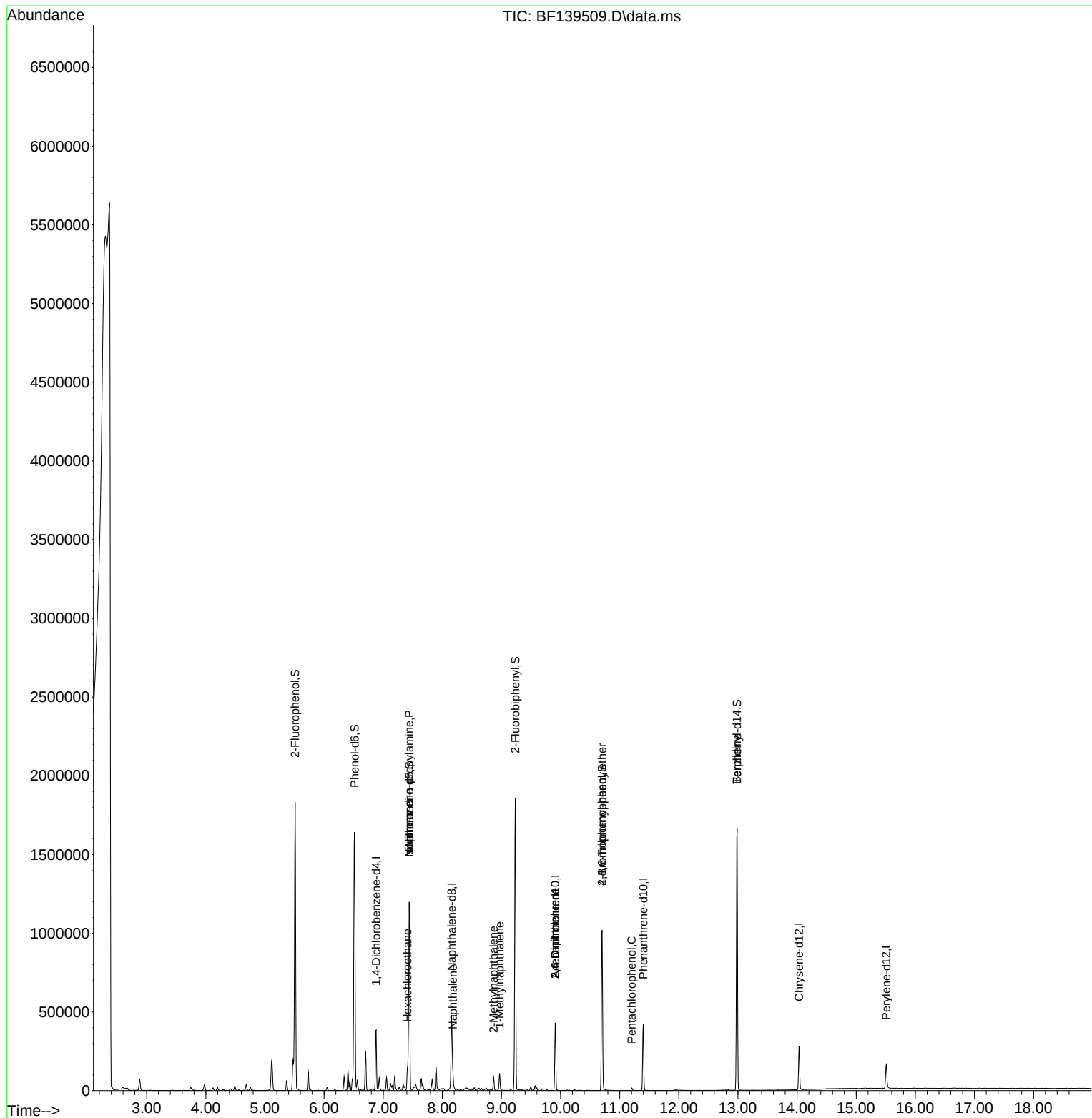
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	76931	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	265343	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	123864	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	220987	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	131452	20.000	ng	# 0.00
86) Perylene-d12	15.509	264	98227	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	605769	128.455	ng	0.02
7) Phenol-d6	6.516	99	752732	121.608	ng	0.01
23) Nitrobenzene-d5	7.439	82	498841	88.381	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	159998	121.332	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	791154	89.583	ng	0.00
79) Terphenyl-d14	12.986	244	817830	102.119	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.410	117	10877	5.119	ng	# 1
19) n-Nitroso-di-n-propyla...	7.439	70	69272	18.885	ng	# 75
25) Isophorone	7.439	82	498834	55.883	ng	# 66
31) Naphthalene	8.181	128	49927	3.604	ng	99
37) 2-Methylnaphthalene	8.869	142	24604	2.798	ng	100
38) 1-Methylnaphthalene	8.969	142	36424	4.220	ng	100
51) 2,6-Dinitrotoluene	9.910	165	15697	8.716	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	15697	6.456	ng	# 17
67) 4-Bromophenyl-phenylether	10.704	248	11095	5.066	ng	# 1
70) Pentachlorophenol	11.204	266	3659	2.373	ng	# 88
77) Benzidine	12.986	184	11441	6.075	ng	# 93

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

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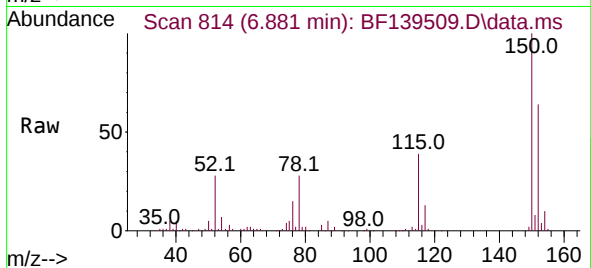
Quant Time: Sep 20 23:22:05 2024
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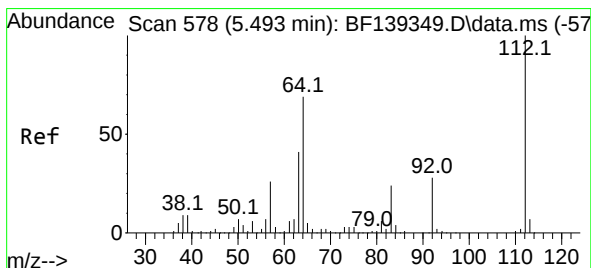
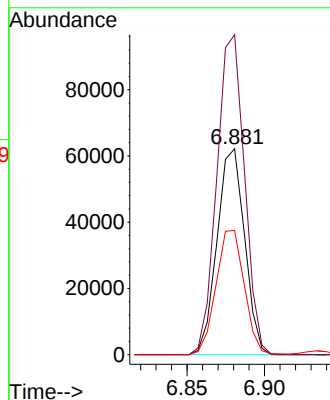
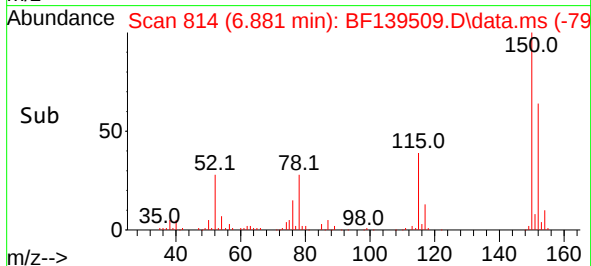


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

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

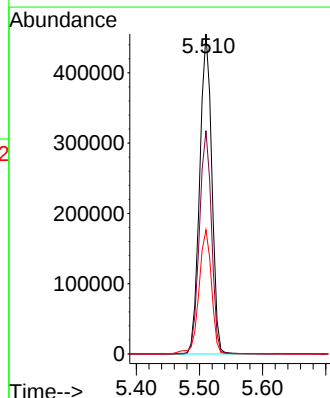
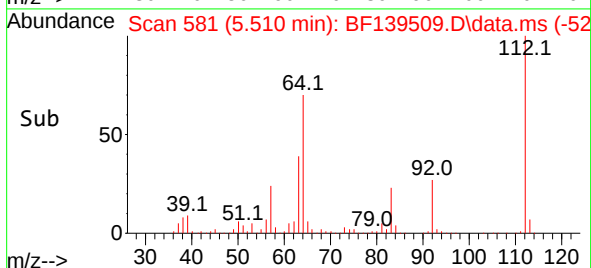
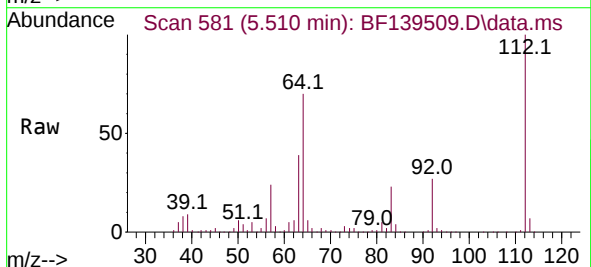


Tgt Ion:152 Resp: 76931
Ion Ratio Lower Upper
152 100
150 155.4 124.1 186.1
115 60.4 48.1 72.1



#5
2-Fluorophenol
Concen: 128.455 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.017 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

Tgt Ion:112 Resp: 605769
Ion Ratio Lower Upper
112 100
64 69.8 54.8 82.2
63 38.8 33.0 49.4

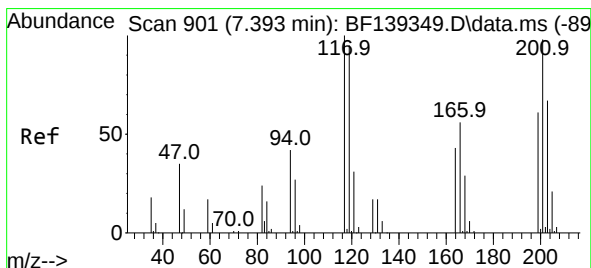
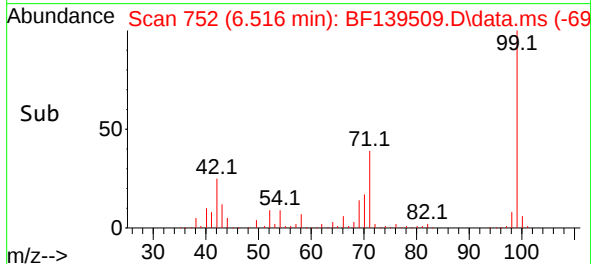
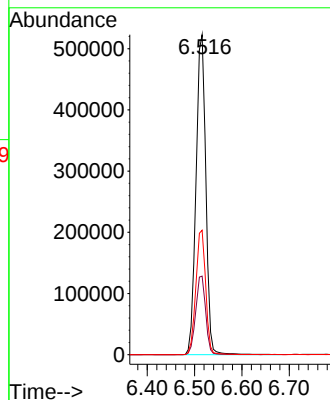
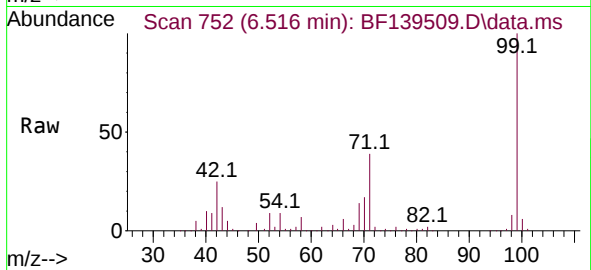




#7
Phenol-d6
Concen: 121.608 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

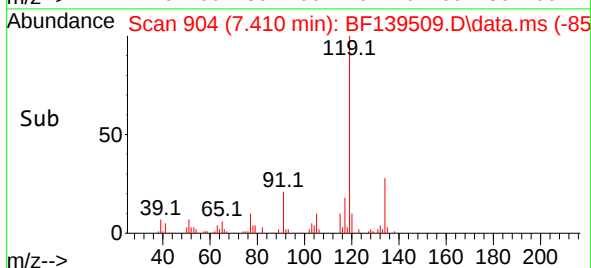
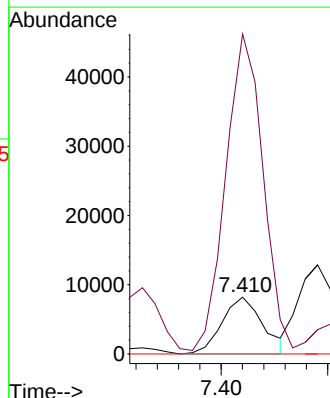
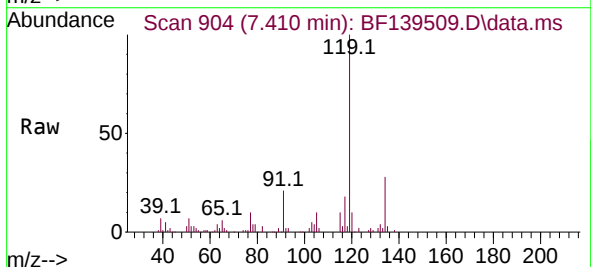
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5B

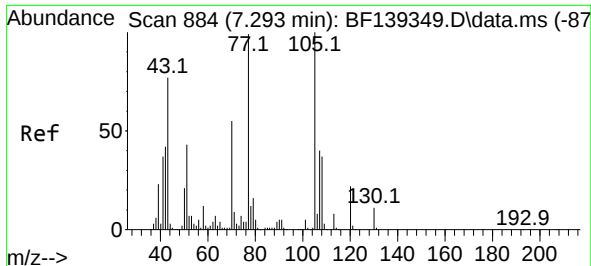
Tgt Ion: 99 Resp: 752732
Ion Ratio Lower Upper
99 100
42 24.6 21.9 32.9
71 38.9 34.6 52.0



#18
Hexachloroethane
Concen: 5.119 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.017 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

Tgt Ion: 117 Resp: 10877
Ion Ratio Lower Upper
117 100
119 563.5 75.8 113.8#
201 0.0 78.6 118.0#





#19

n-Nitroso-di-n-propylamine

Concen: 18.885 ng

RT: 7.439 min Scan# 90

Delta R.T. 0.147 min

Lab File: BF139509.D

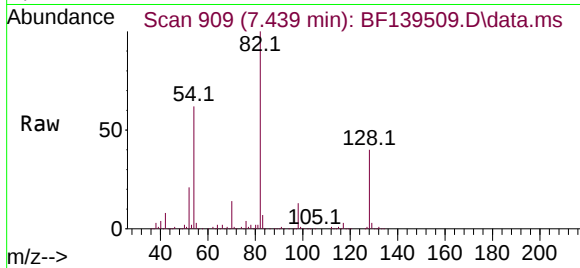
Acq: 20 Sep 2024 18:49

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5B



Tgt Ion: 70 Resp: 69272

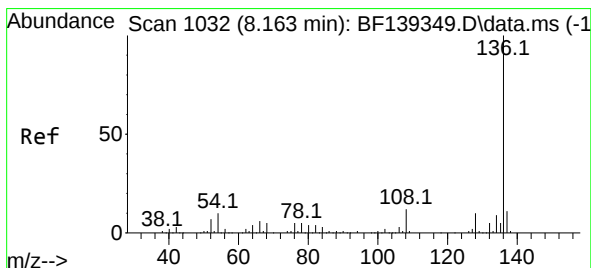
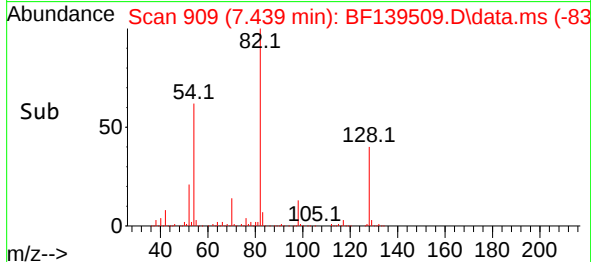
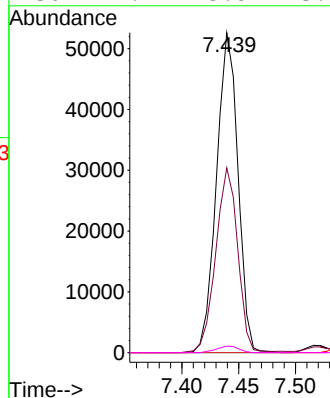
Ion Ratio Lower Upper

70 100

42 57.8 61.2 91.8#

101 0.0 7.5 11.3#

130 2.1 15.8 23.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF139509.D

Acq: 20 Sep 2024 18:49

Tgt Ion: 136 Resp: 265343

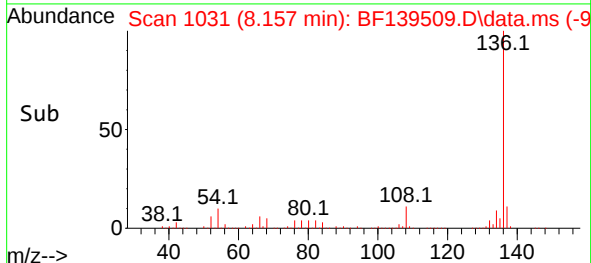
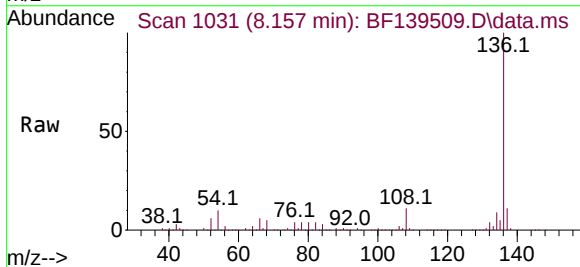
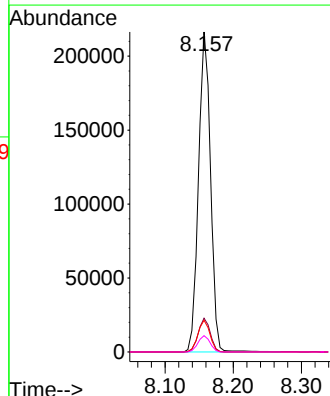
Ion Ratio Lower Upper

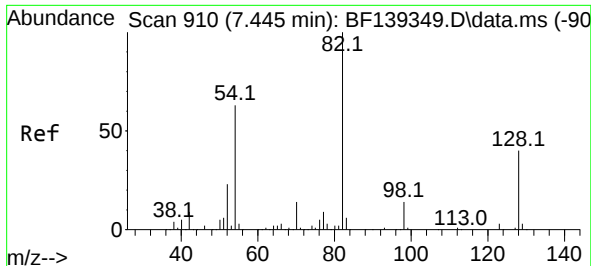
136 100

137 10.5 8.6 12.8

54 9.9 7.8 11.8

68 5.1 3.6 5.4

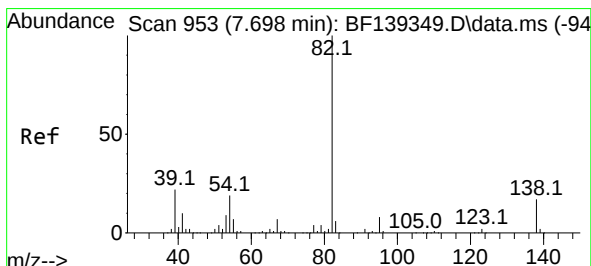
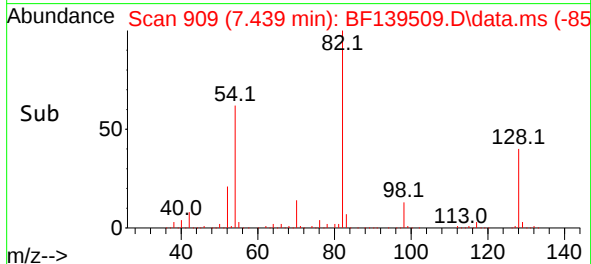
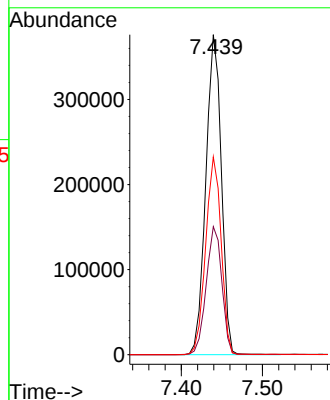
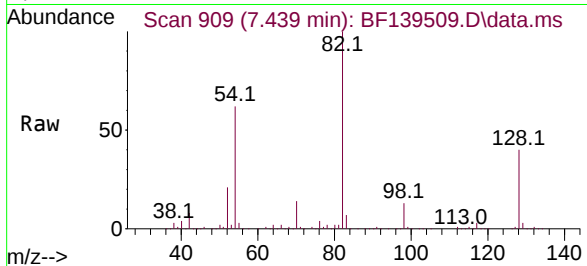




#23
Nitrobenzene-d5
Concen: 88.381 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

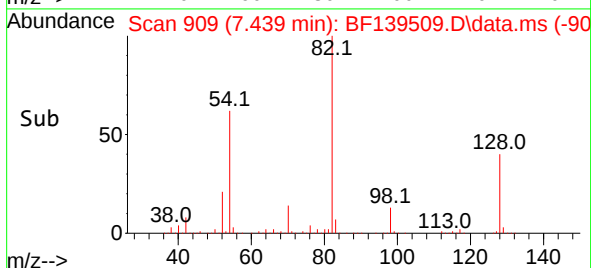
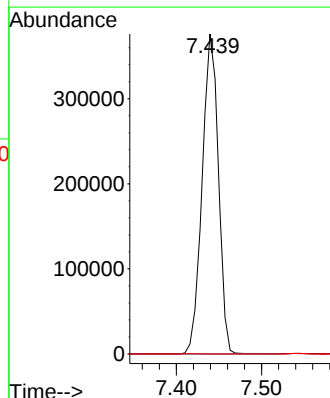
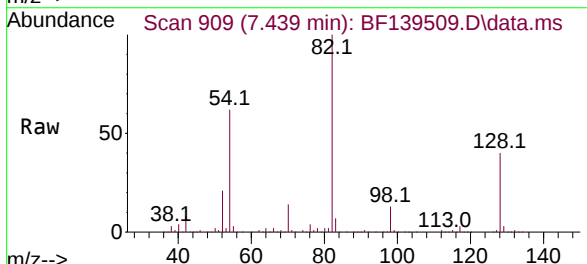
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5B

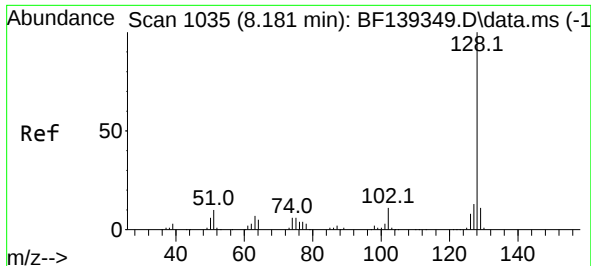
Tgt Ion: 82 Resp: 498841
Ion Ratio Lower Upper
82 100
128 40.0 31.8 47.6
54 61.8 50.6 75.8



#25
Isophorone
Concen: 55.883 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

Tgt Ion: 82 Resp: 498834
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#

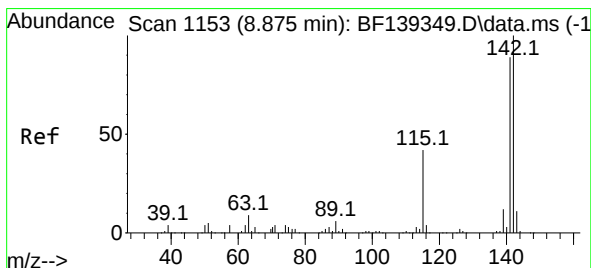
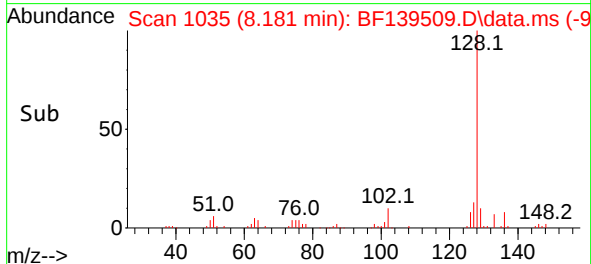
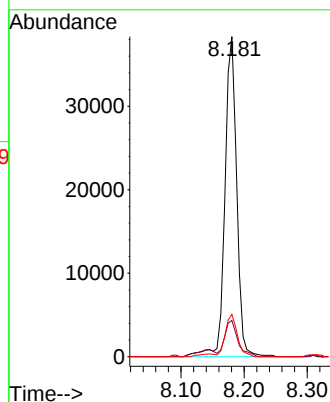
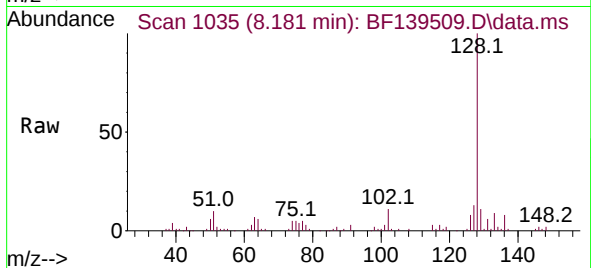




#31
Naphthalene
Concen: 3.604 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

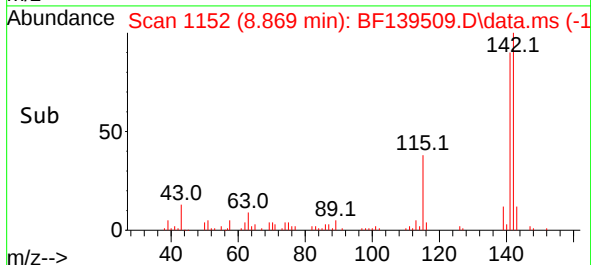
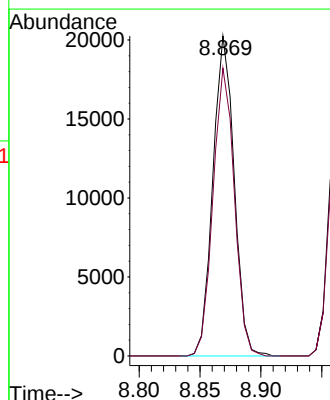
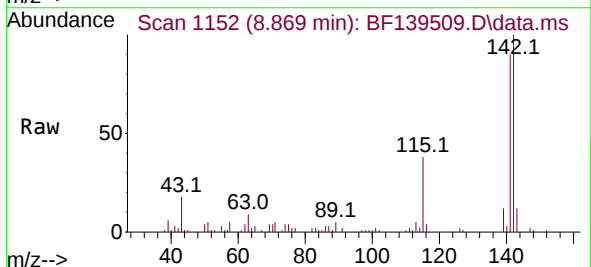
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5B

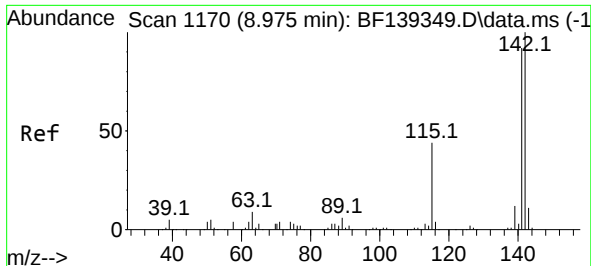
Tgt Ion:128 Resp: 49927
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.2 10.6 16.0



#37
2-Methylnaphthalene
Concen: 2.798 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

Tgt Ion:142 Resp: 24604
Ion Ratio Lower Upper
142 100
141 90.0 71.6 107.4





#38

1-Methylnaphthalene

Concen: 4.220 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF139509.D

Acq: 20 Sep 2024 18:49

Instrument :

BNA_F

ClientSampleId :

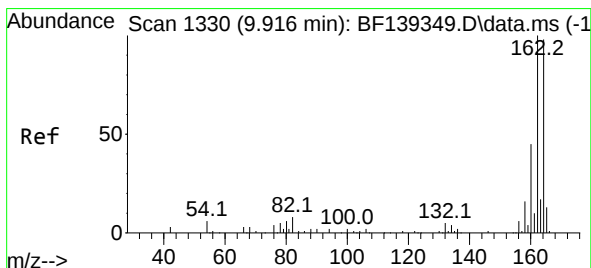
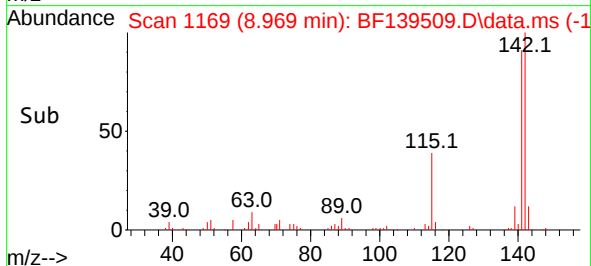
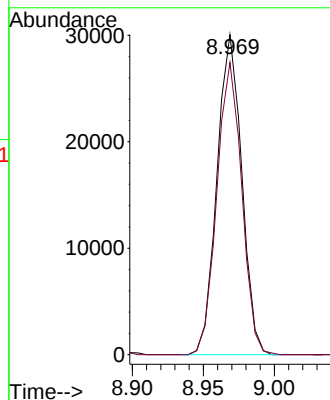
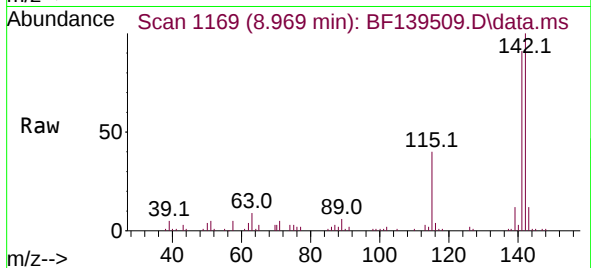
WC-14-5-7.5B

Tgt Ion:142 Resp: 36424

Ion Ratio Lower Upper

142 100

141 91.3 73.2 109.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF139509.D

Acq: 20 Sep 2024 18:49

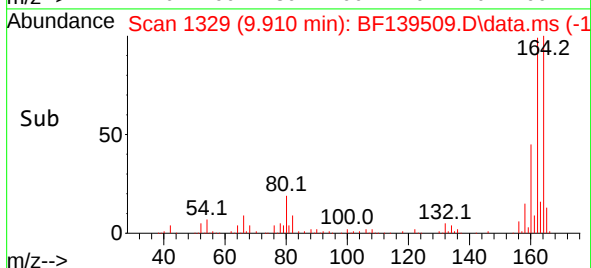
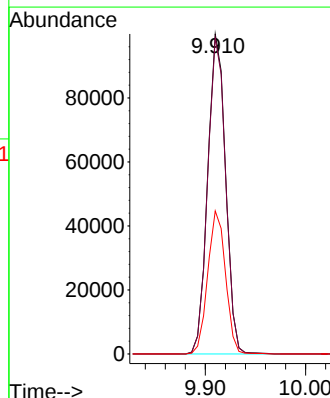
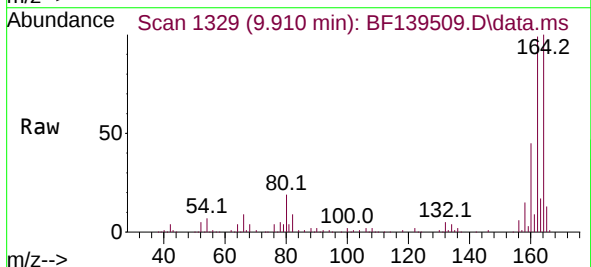
Tgt Ion:164 Resp: 123864

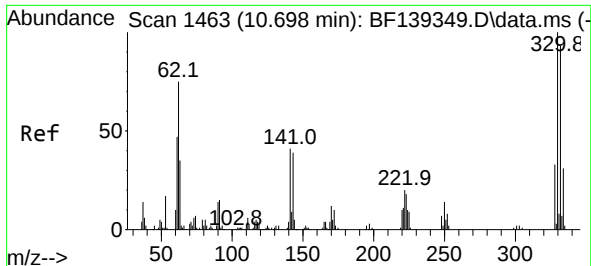
Ion Ratio Lower Upper

164 100

162 98.8 81.3 121.9

160 44.7 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 121.332 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.006 min

Lab File: BF139509.D

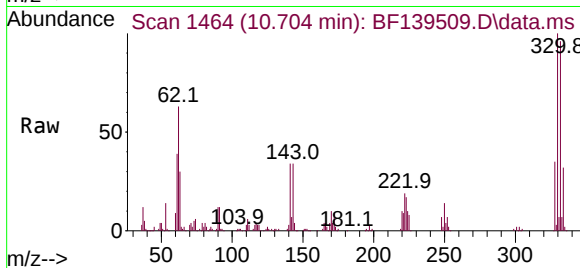
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Instrument :

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WC-14-5-7.5B



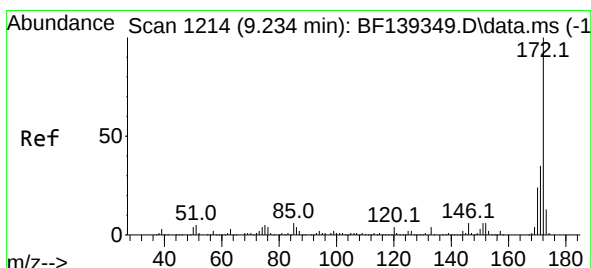
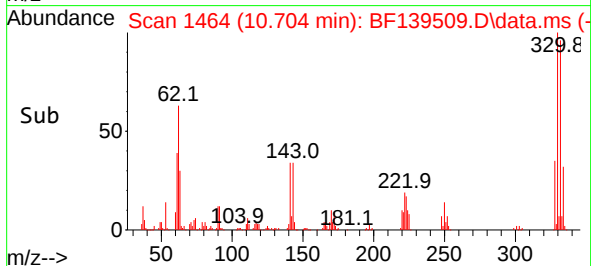
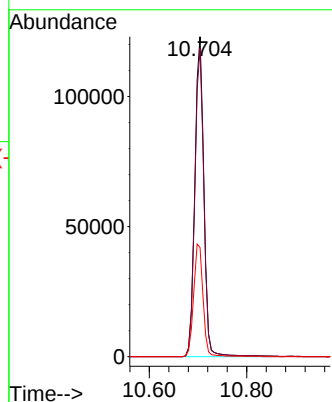
Tgt Ion:330 Resp: 159998

Ion Ratio Lower Upper

330 100

332 96.3 75.2 112.8

141 36.4 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 89.583 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139509.D

Acq: 20 Sep 2024 18:49

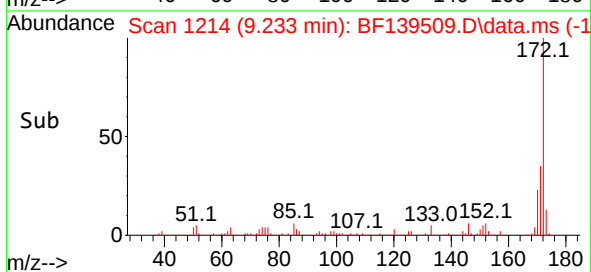
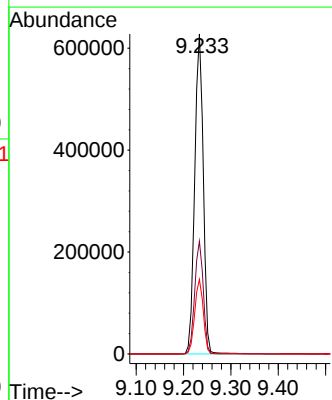
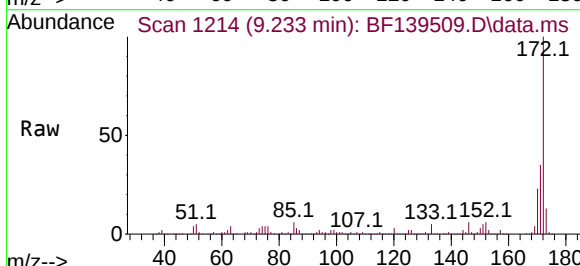
Tgt Ion:172 Resp: 791154

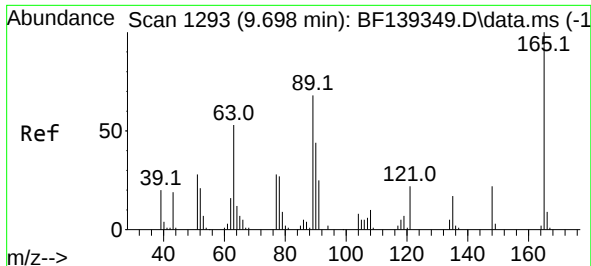
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.3 19.0 28.6

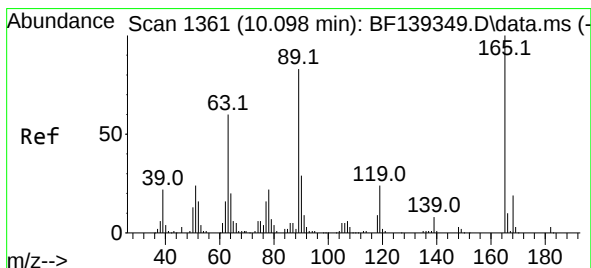
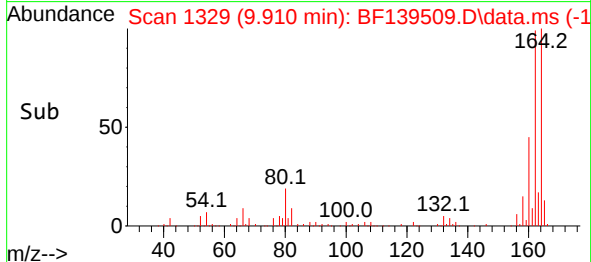
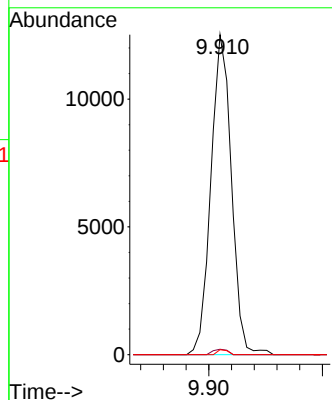
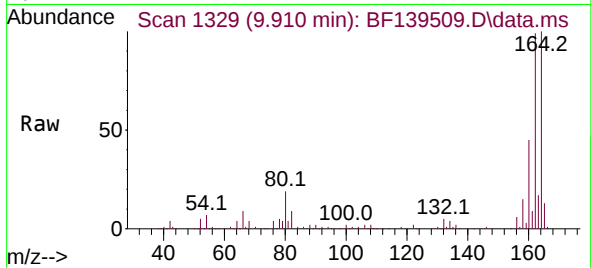




#51
2,6-Dinitrotoluene
Concen: 8.716 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

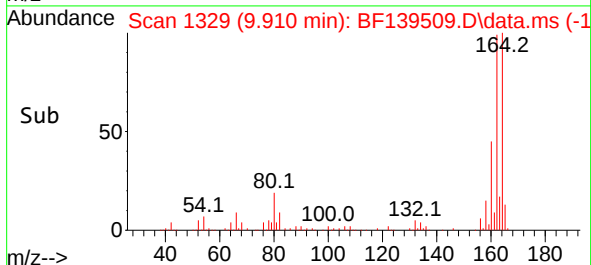
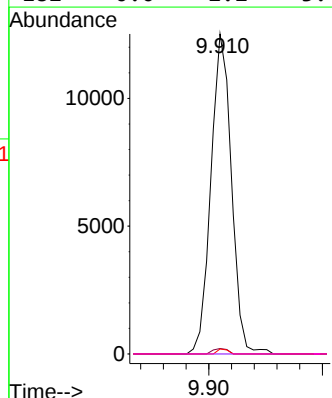
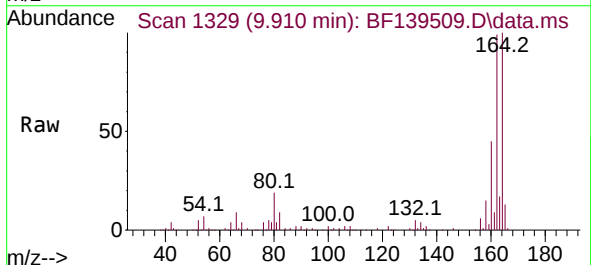
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5B

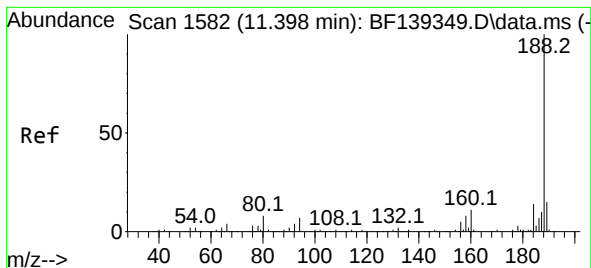
Tgt Ion:165 Resp: 15697
Ion Ratio Lower Upper
165 100
63 1.7 60.9 91.3#
89 1.6 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.456 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

Tgt Ion:165 Resp: 15697
Ion Ratio Lower Upper
165 100
63 1.7 47.8 71.6#
89 1.6 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: BF139509.D

Acq: 20 Sep 2024 18:49

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5B

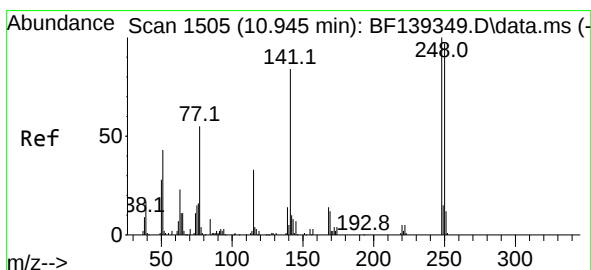
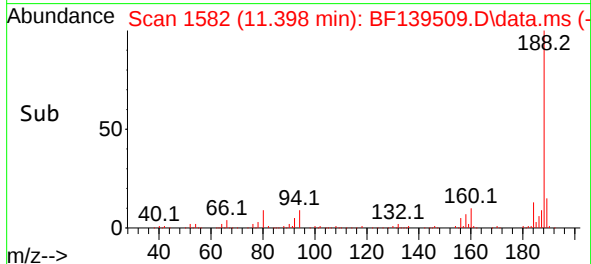
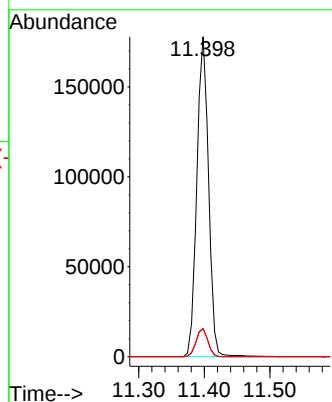
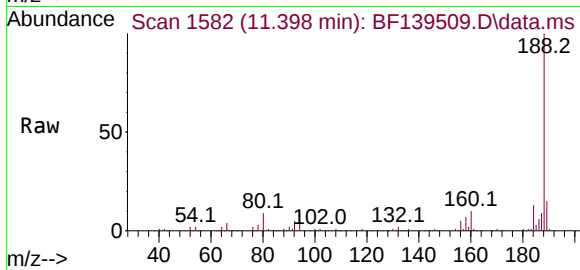
Tgt Ion:188 Resp: 220987

Ion Ratio Lower Upper

188 100

94 8.7 5.5 8.3#

80 8.8 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 5.066 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF139509.D

Acq: 20 Sep 2024 18:49

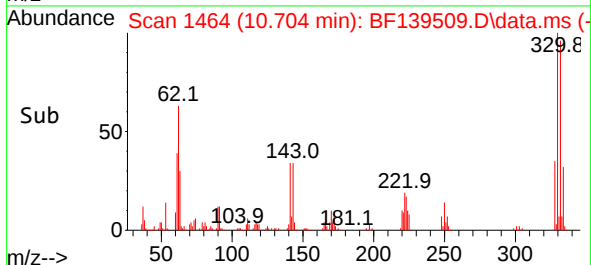
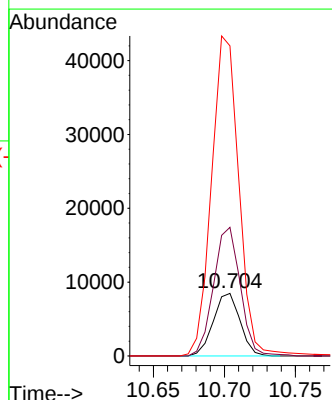
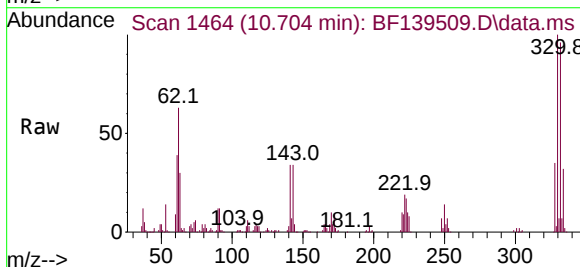
Tgt Ion:248 Resp: 11095

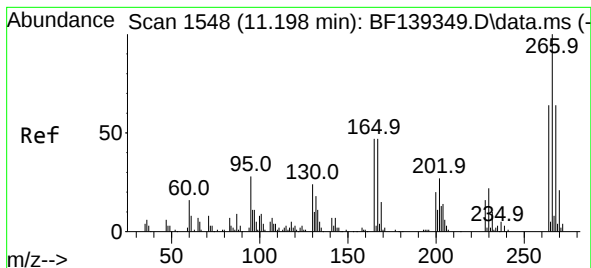
Ion Ratio Lower Upper

248 100

250 205.3 77.6 116.4#

141 495.0 66.9 100.3#





#70

Pentachlorophenol

Concen: 2.373 ng

RT: 11.204 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139509.D

Acq: 20 Sep 2024 18:49

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5B

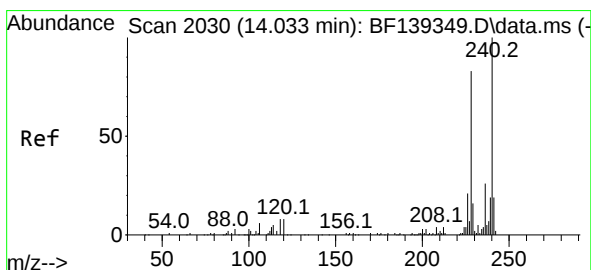
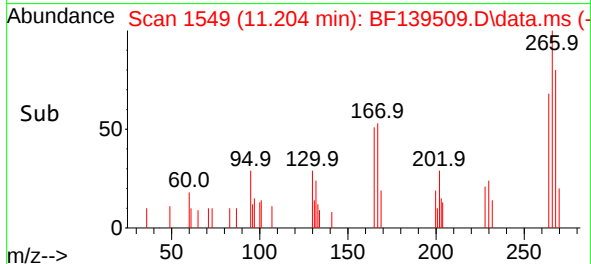
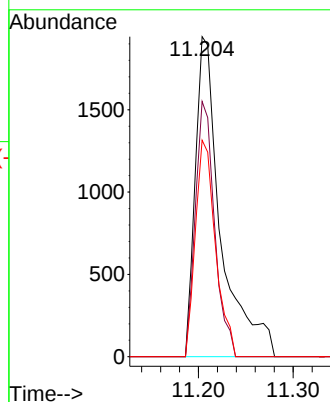
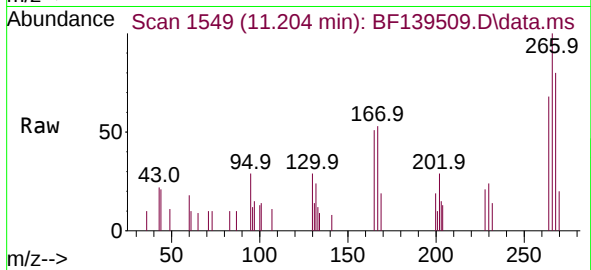
Tgt Ion:266 Resp: 3659

Ion Ratio Lower Upper

266 100

268 79.7 51.1 76.7#

264 67.6 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: BF139509.D

Acq: 20 Sep 2024 18:49

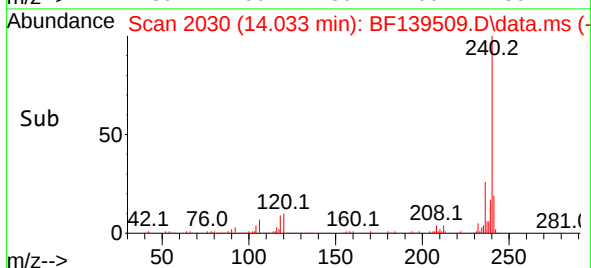
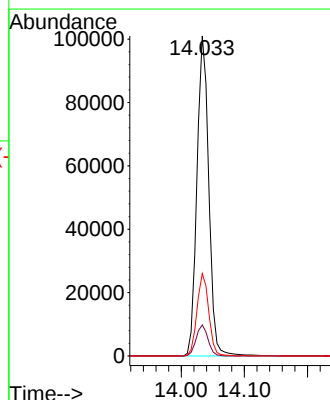
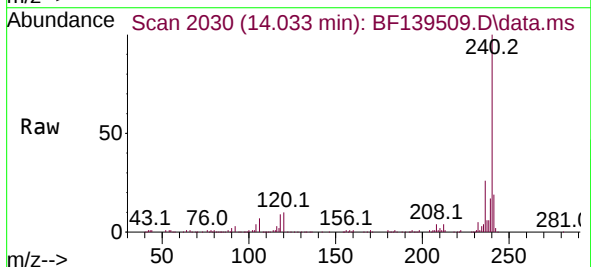
Tgt Ion:240 Resp: 131452

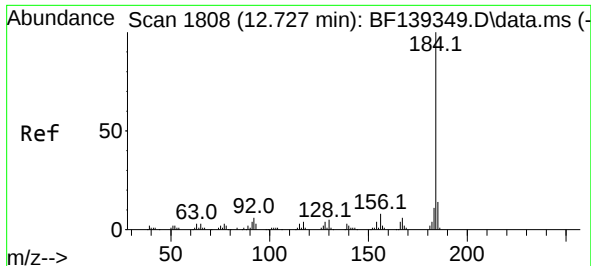
Ion Ratio Lower Upper

240 100

120 9.7 6.2 9.2#

236 25.8 20.9 31.3

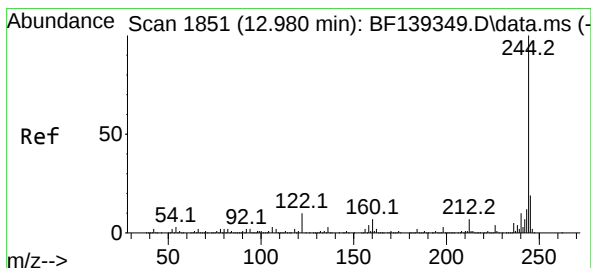
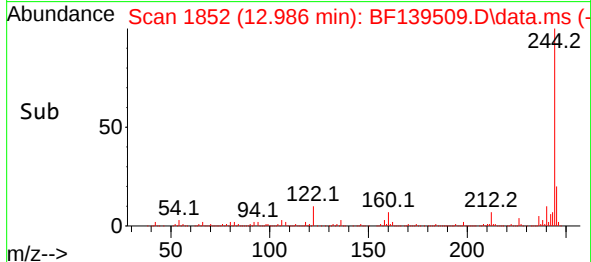
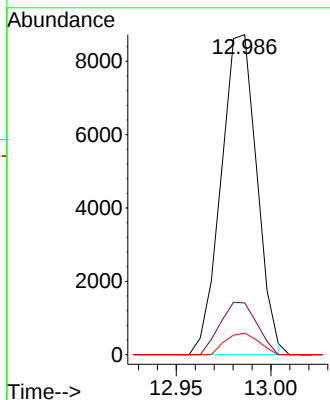
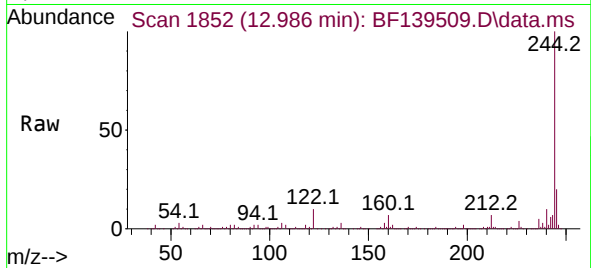




#77
Benzidine
Concen: 6.075 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.259 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

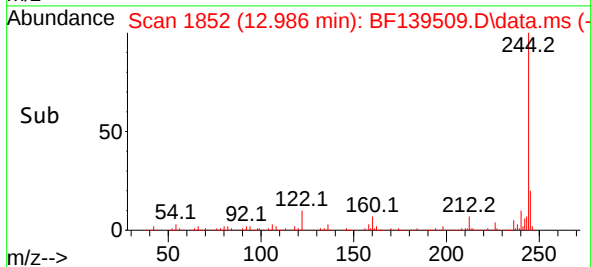
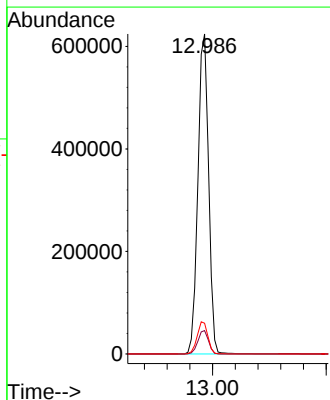
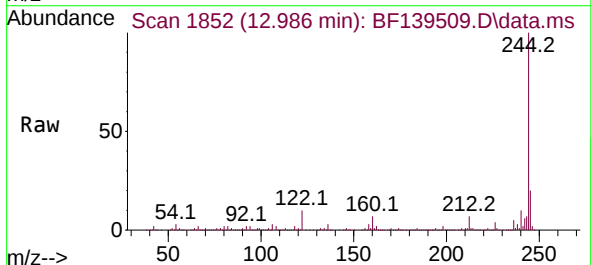
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5B

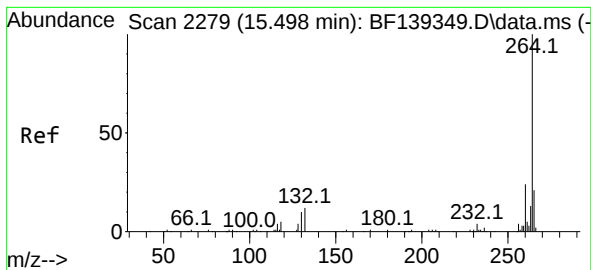
Tgt Ion:184 Resp: 11441
Ion Ratio Lower Upper
184 100
185 16.2 11.5 17.3
183 6.7 8.9 13.3#



#79
Terphenyl-d14
Concen: 102.119 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.006 min
Lab File: BF139509.D
Acq: 20 Sep 2024 18:49

Tgt Ion:244 Resp: 817830
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 9.6 7.6 11.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139509.D

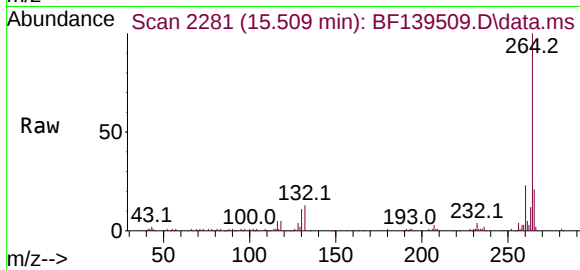
Acq: 20 Sep 2024 18:49

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5B



Tgt Ion:264 Resp: 98227

Ion Ratio Lower Upper

264 100

260 22.7 19.5 29.3

265 20.7 16.6 25.0

