

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139499.D
 Acq On : 20 Sep 2024 13:48
 Operator : RC/JU
 Sample : P4103-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-23

Quant Time: Sep 20 14:21:07 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)

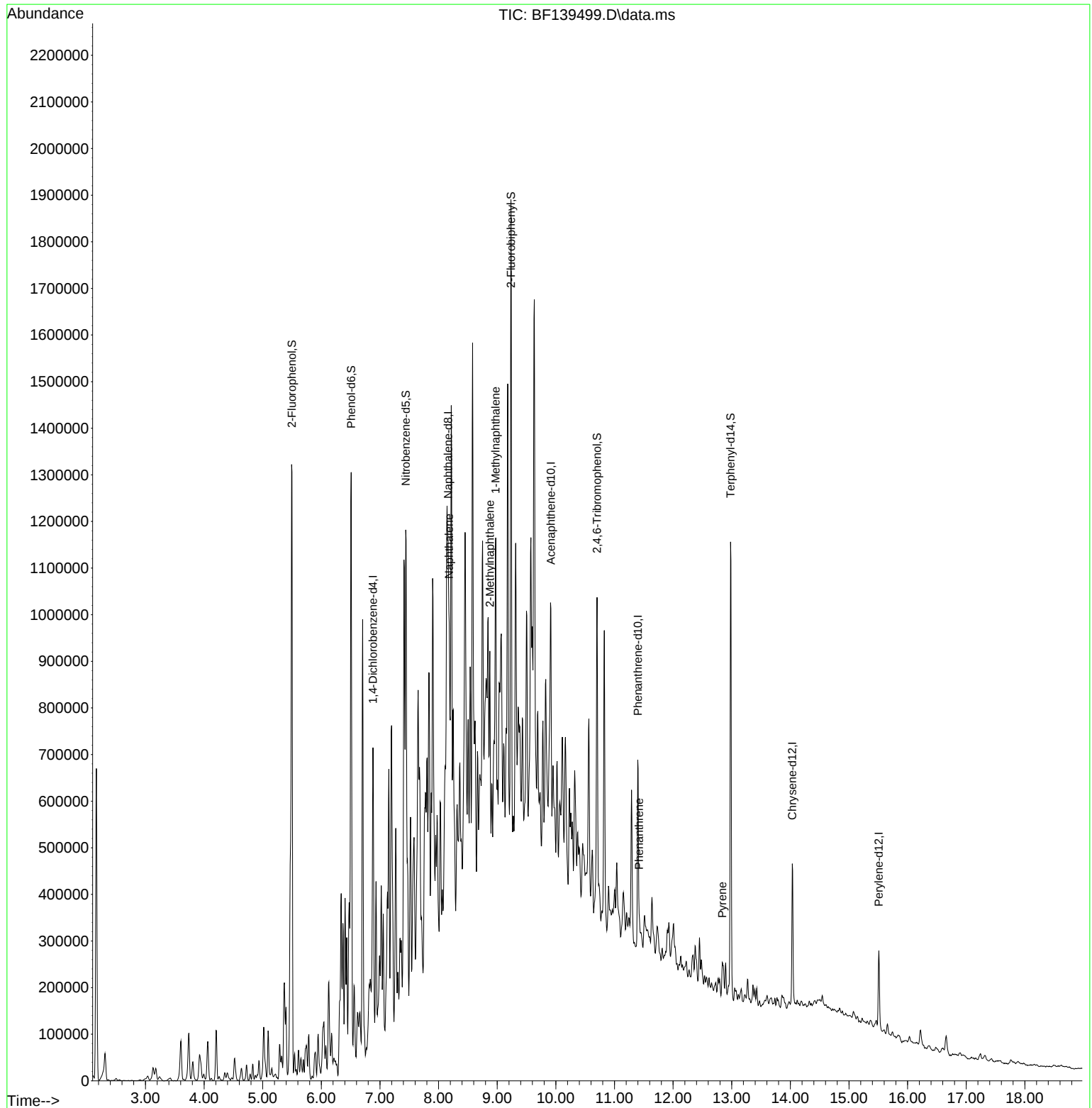
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77879	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	273264	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	130057	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	197920	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	140501	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	99170	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	417338	87.421	ng	0.00
7) Phenol-d6	6.510	99	551069	87.945	ng	0.00
23) Nitrobenzene-d5	7.439	82	366543	63.059	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	96550	69.731	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	574198	61.921	ng	0.00
79) Terphenyl-d14	12.980	244	464550	54.271	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.181	128	143979	10.092	ng	# 92
37) 2-Methylnaphthalene	8.875	142	141684	15.647	ng	98
38) 1-Methylnaphthalene	8.975	142	214241	24.099	ng	99
71) Phenanthrene	11.422	178	31644	3.314	ng	# 89
78) Pyrene	12.839	202	43794	3.630	ng	96

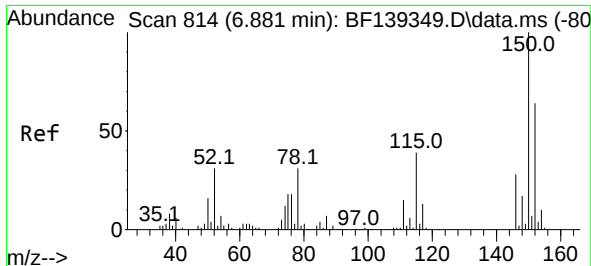
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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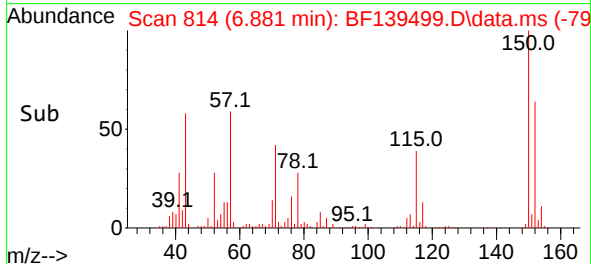
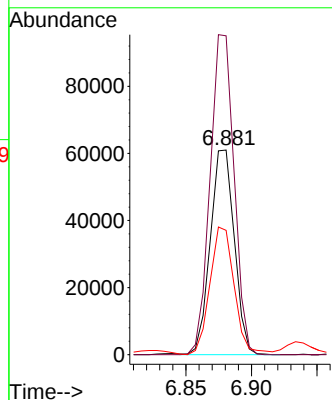
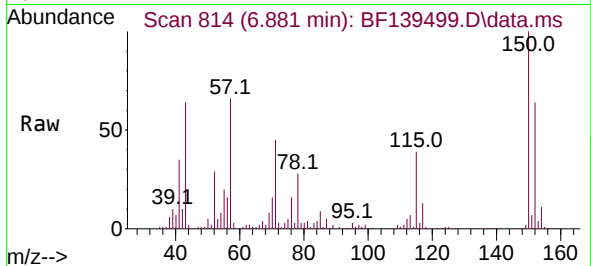




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

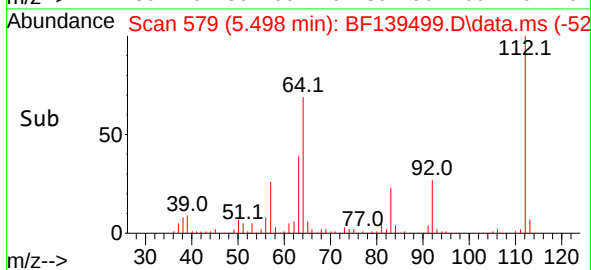
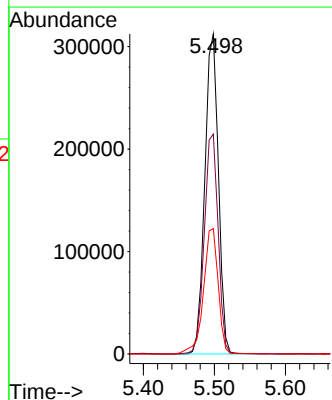
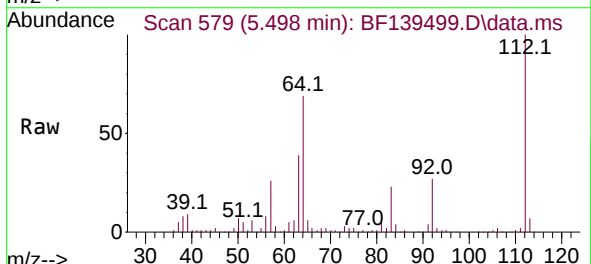
Instrument :
BNA_F
ClientSampleId :
WC-23

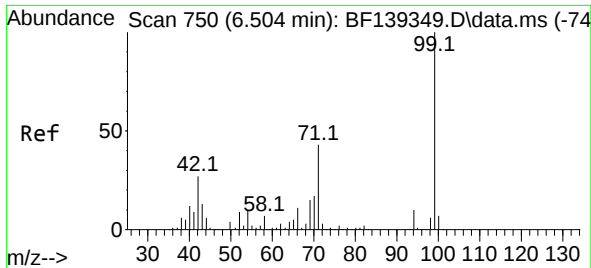
Tgt Ion:152 Resp: 77879
Ion Ratio Lower Upper
152 100
150 155.8 124.1 186.1
115 60.8 48.1 72.1



#5
2-Fluorophenol
Concen: 87.421 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

Tgt Ion:112 Resp: 417338
Ion Ratio Lower Upper
112 100
64 68.7 54.8 82.2
63 39.2 33.0 49.4

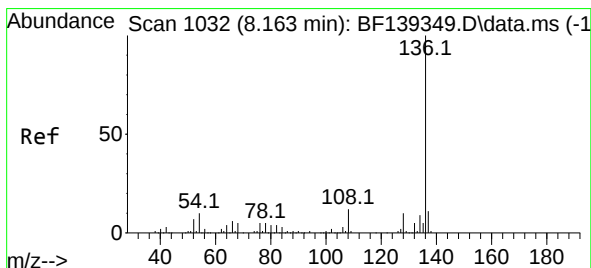
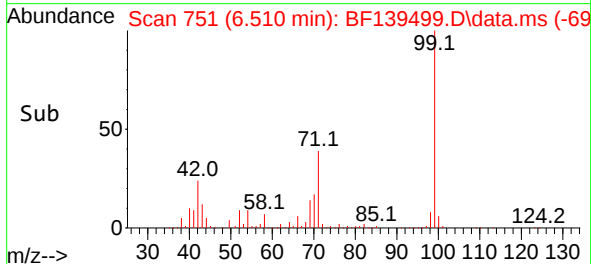
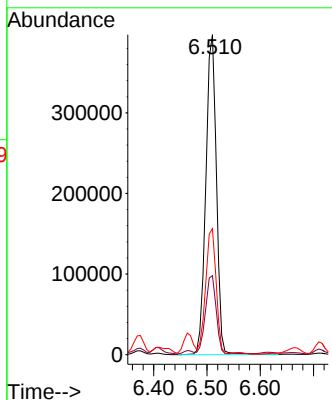
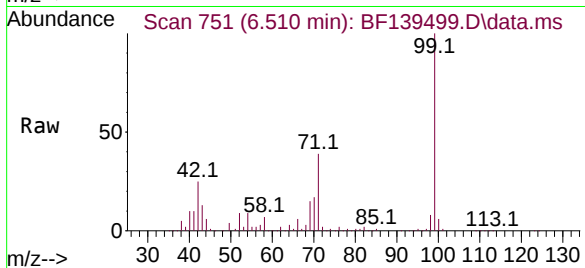




#7
Phenol-d6
Concen: 87.945 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

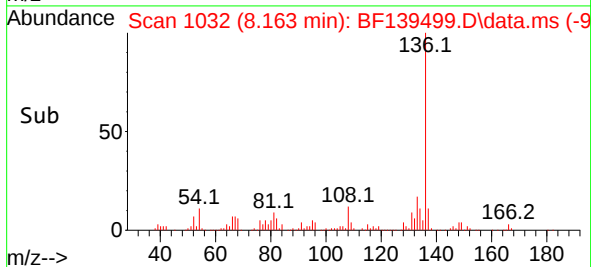
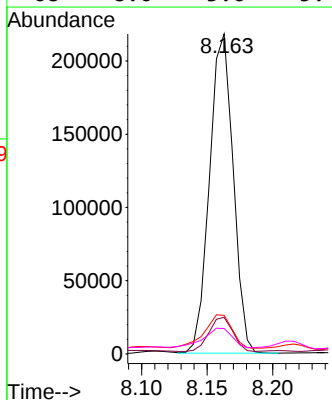
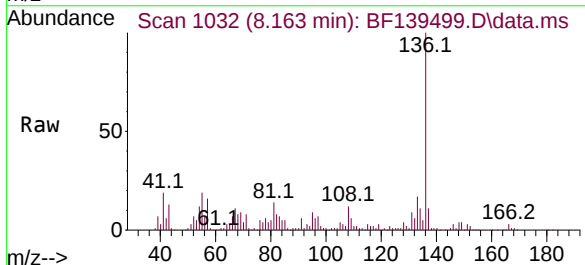
Instrument :
BNA_F
ClientSampleId :
WC-23

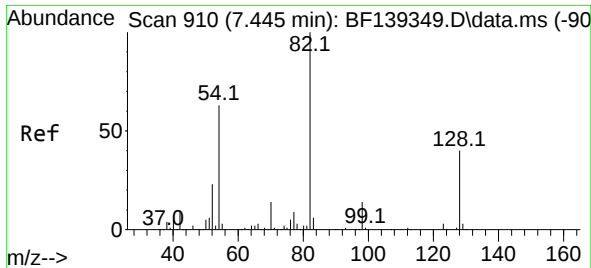
Tgt Ion: 99 Resp: 551069
Ion Ratio Lower Upper
99 100
42 24.7 21.9 32.9
71 39.4 34.6 52.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

Tgt Ion:136 Resp: 273264
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 12.1 7.8 11.8#
68 8.0 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 63.059 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

Instrument :

BNA_F

ClientSampleId :

WC-23

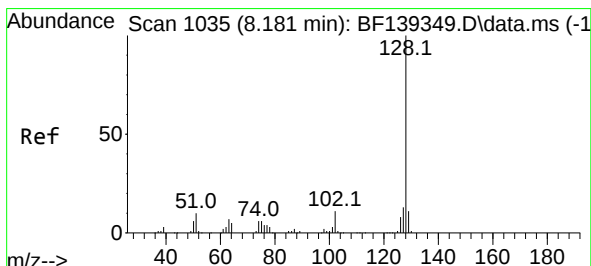
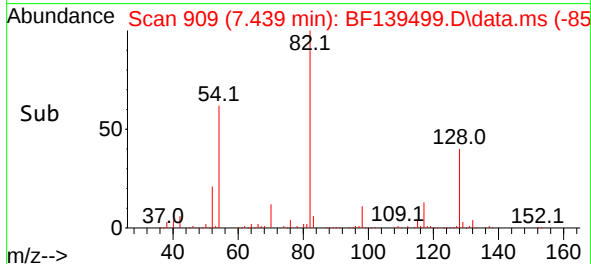
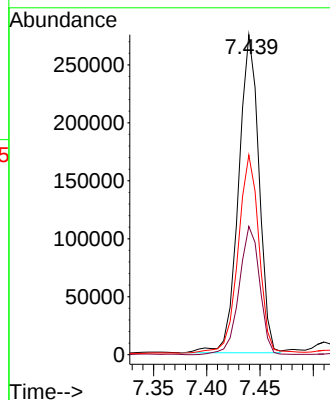
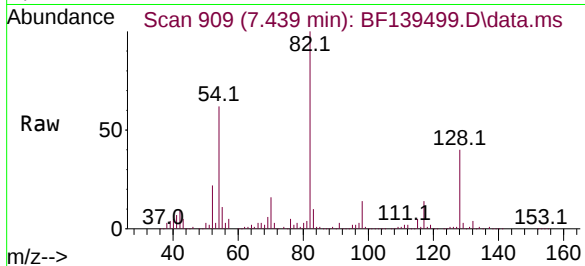
Tgt Ion: 82 Resp: 366543

Ion Ratio Lower Upper

82 100

128 40.1 31.8 47.6

54 62.4 50.6 75.8



#31

Naphthalene

Concen: 10.092 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

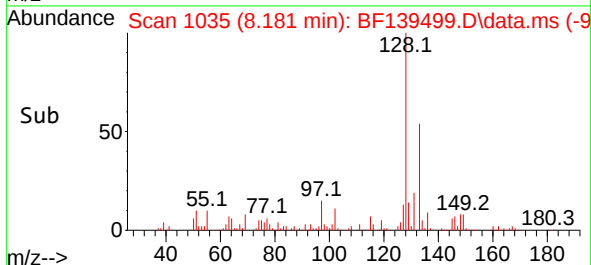
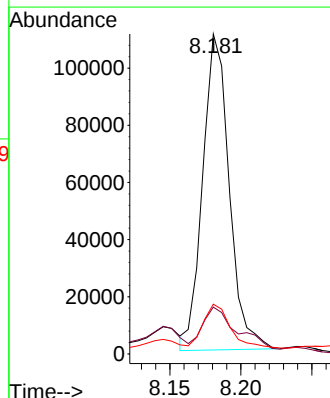
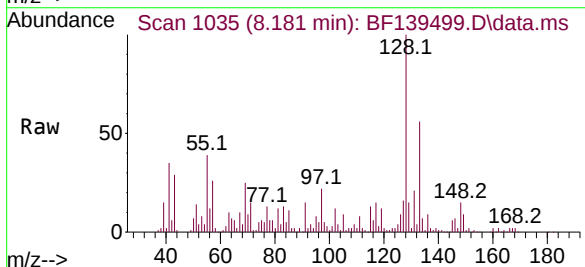
Tgt Ion: 128 Resp: 143979

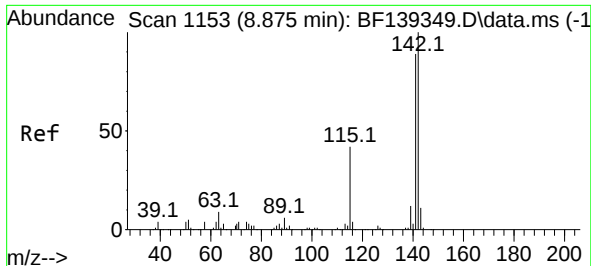
Ion Ratio Lower Upper

128 100

129 14.7 8.6 13.0#

127 15.6 10.6 16.0





#37

2-Methylnaphthalene

Concen: 15.647 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

Instrument :

BNA_F

ClientSampleId :

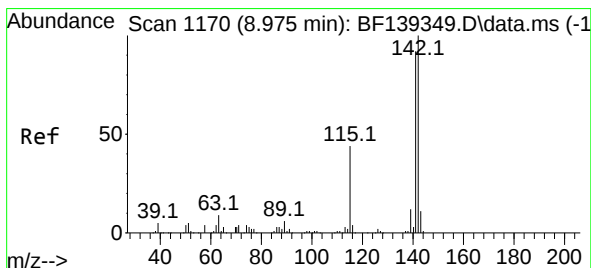
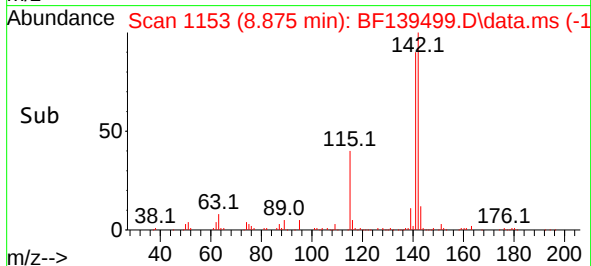
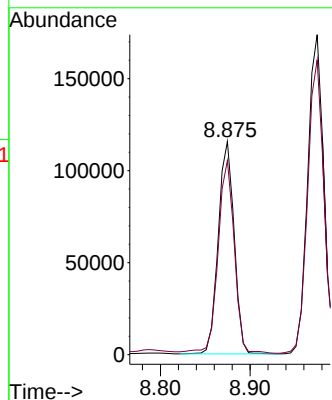
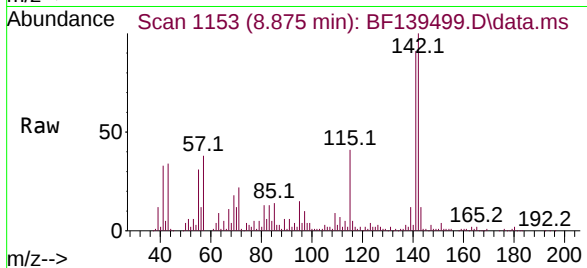
WC-23

Tgt Ion:142 Resp: 141684

Ion Ratio Lower Upper

142 100

141 91.0 71.6 107.4



#38

1-Methylnaphthalene

Concen: 24.099 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF139499.D

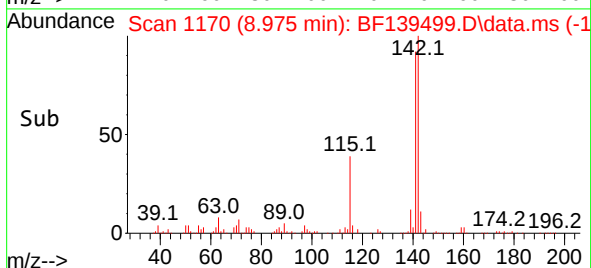
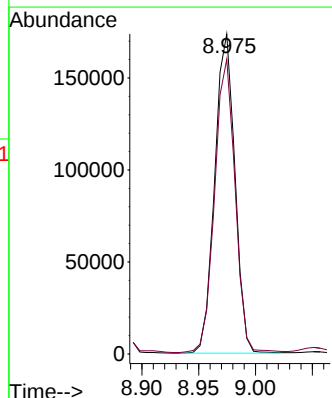
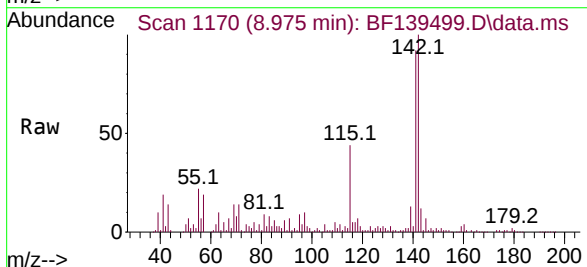
Acq: 20 Sep 2024 13:48

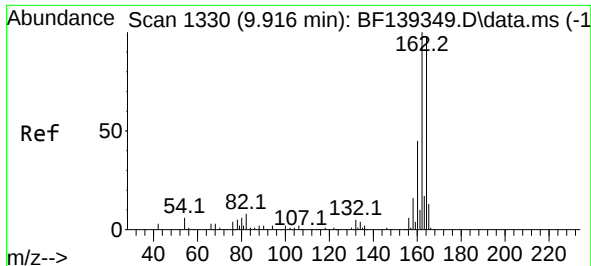
Tgt Ion:142 Resp: 214241

Ion Ratio Lower Upper

142 100

141 92.1 73.2 109.8

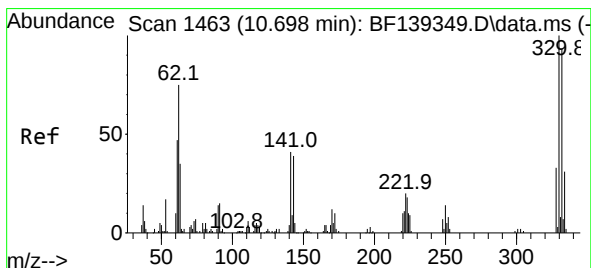
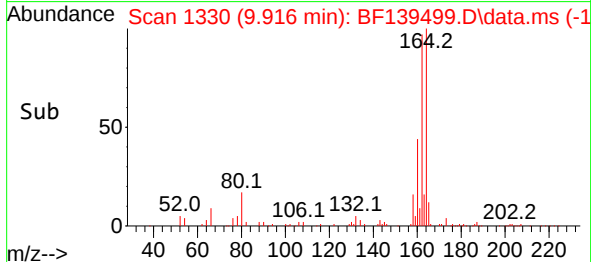
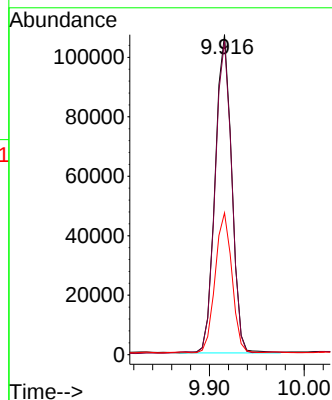
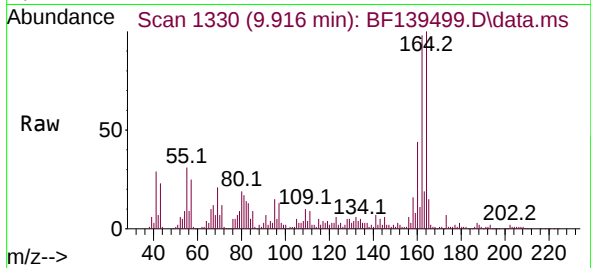




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

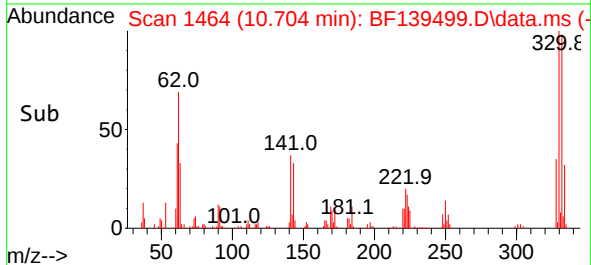
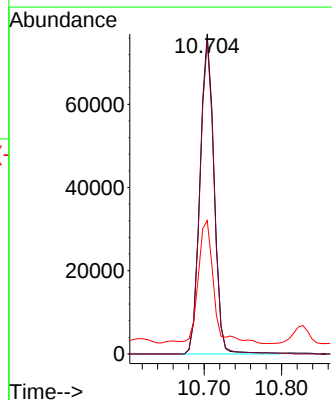
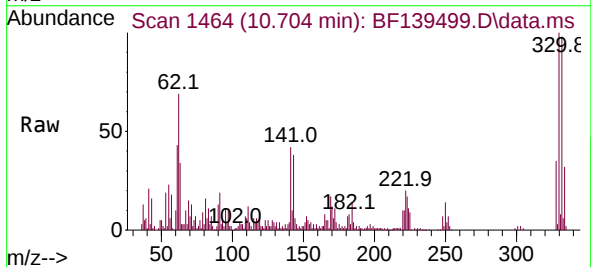
Instrument :
BNA_F
ClientSampleId :
WC-23

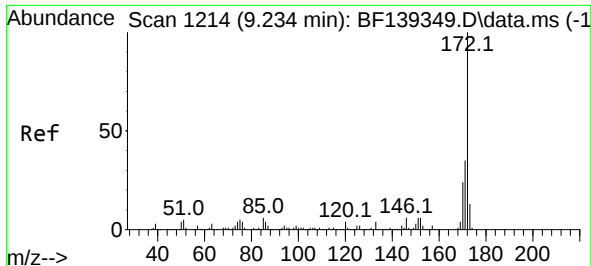
Tgt Ion:164 Resp: 130057
Ion Ratio Lower Upper
164 100
162 98.1 81.3 121.9
160 44.3 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 69.731 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

Tgt Ion:330 Resp: 96550
Ion Ratio Lower Upper
330 100
332 98.2 75.2 112.8
141 42.1 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 61.921 ng

RT: 9.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

Instrument :

BNA_F

ClientSampleId :

WC-23

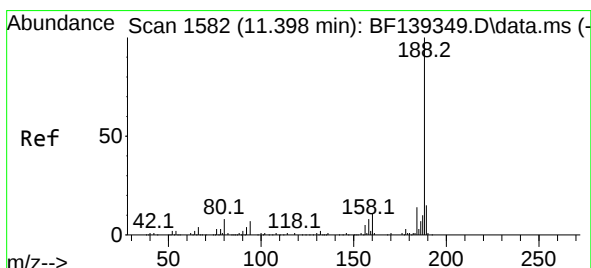
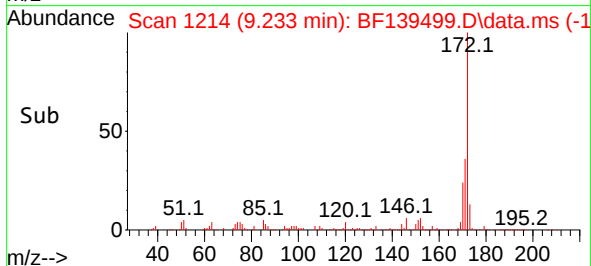
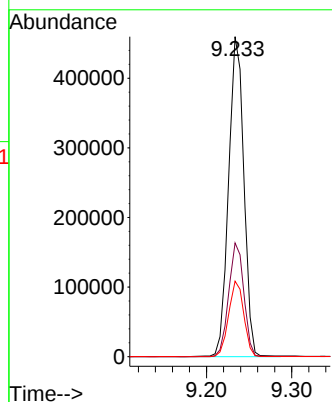
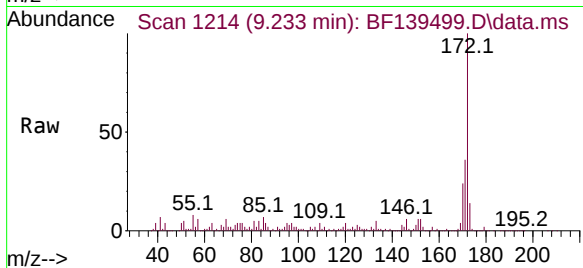
Tgt Ion:172 Resp: 574198

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.6 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

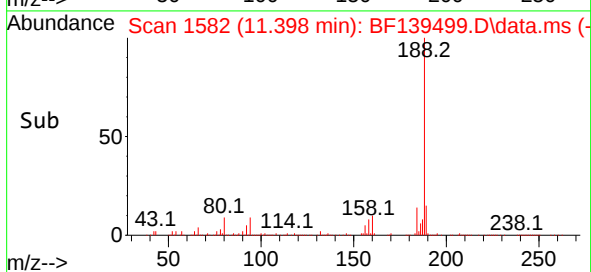
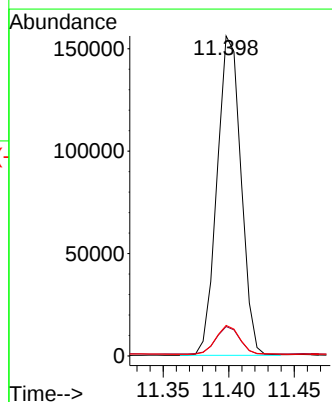
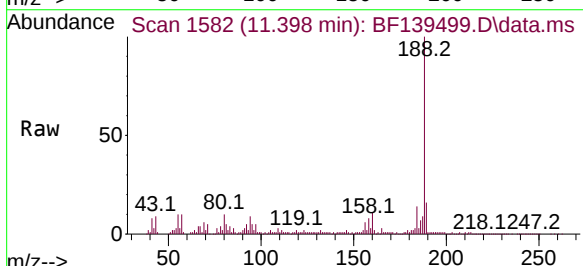
Tgt Ion:188 Resp: 197920

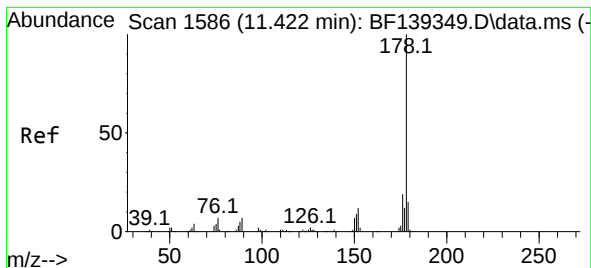
Ion Ratio Lower Upper

188 100

94 9.2 5.5 8.3#

80 9.5 6.6 9.8





#71

Phenanthrene

Concen: 3.314 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

Instrument :

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ClientSampleId :

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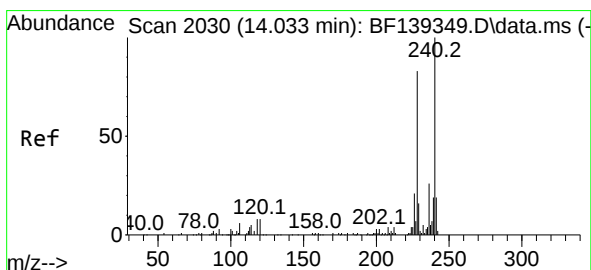
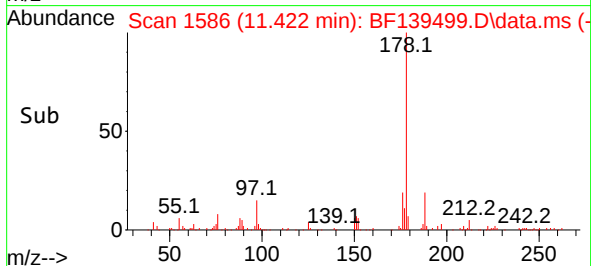
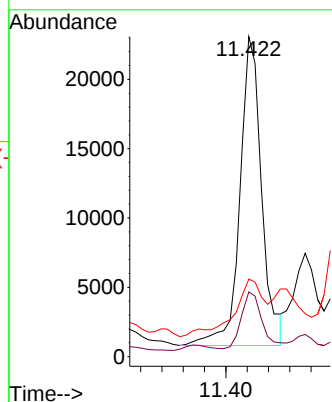
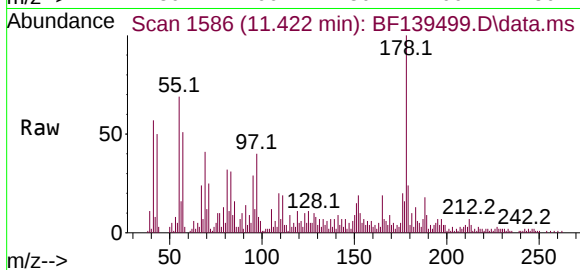
Tgt Ion:178 Resp: 31644

Ion Ratio Lower Upper

178 100

176 20.3 15.2 22.8

179 24.2 12.2 18.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

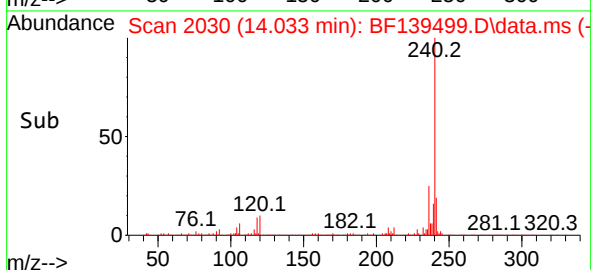
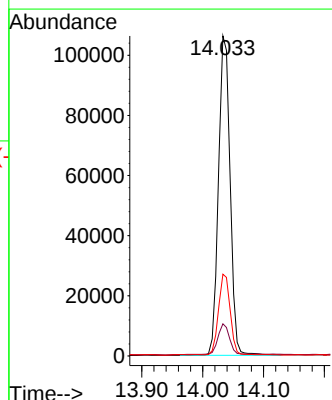
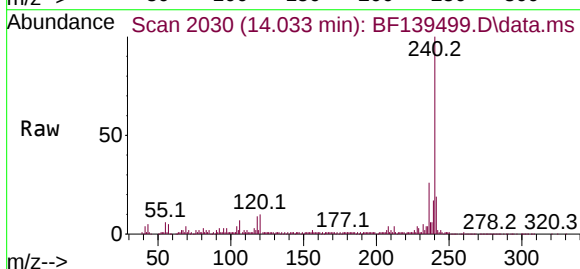
Tgt Ion:240 Resp: 140501

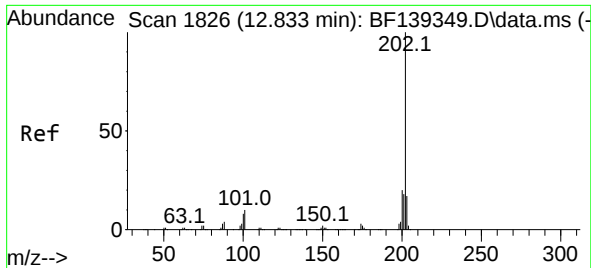
Ion Ratio Lower Upper

240 100

120 10.1 6.2 9.2#

236 25.6 20.9 31.3

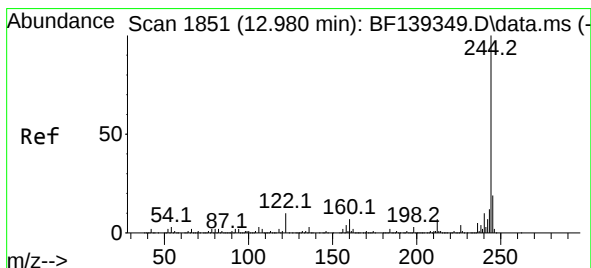
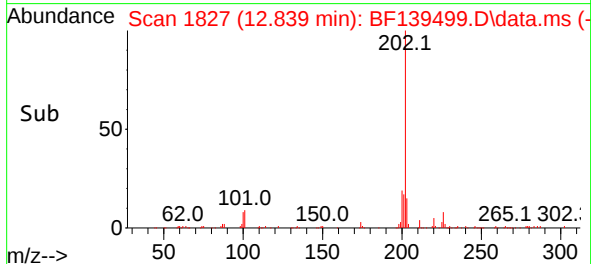
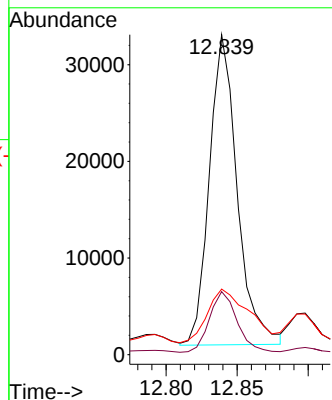
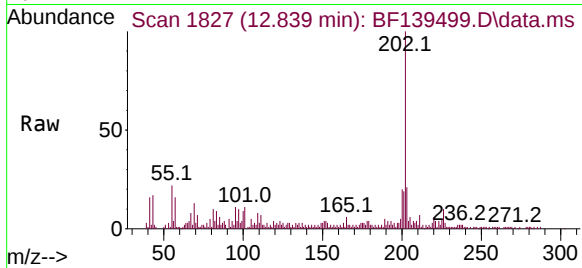




#78
Pyrene
Concen: 3.630 ng
RT: 12.839 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

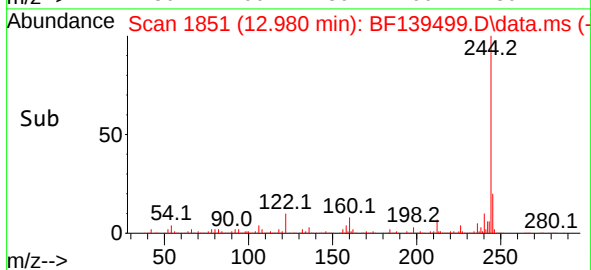
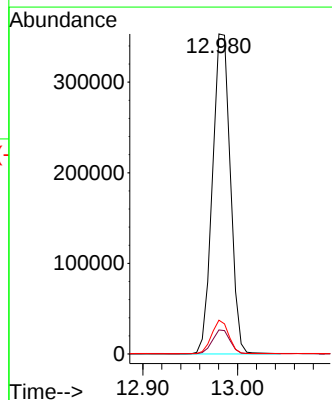
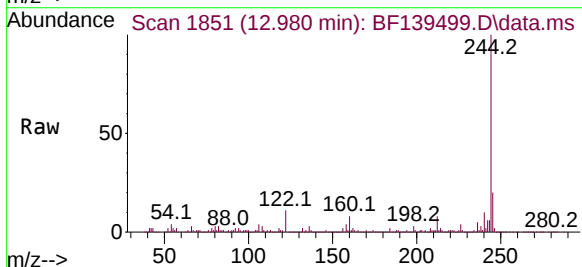
Instrument :
BNA_F
ClientSampleId :
WC-23

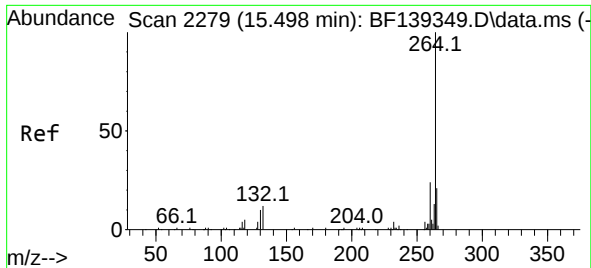
Tgt Ion:202 Resp: 43794
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.2
203 20.5 13.9 20.9



#79
Terphenyl-d14
Concen: 54.271 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

Tgt Ion:244 Resp: 464550
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 10.6 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: BF139499.D
 Acq: 20 Sep 2024 13:48

Instrument :
 BNA_F
 ClientSampleId :
 WC-23

Tgt Ion:264 Resp: 99170
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 21.9 16.6 25.0

