

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)

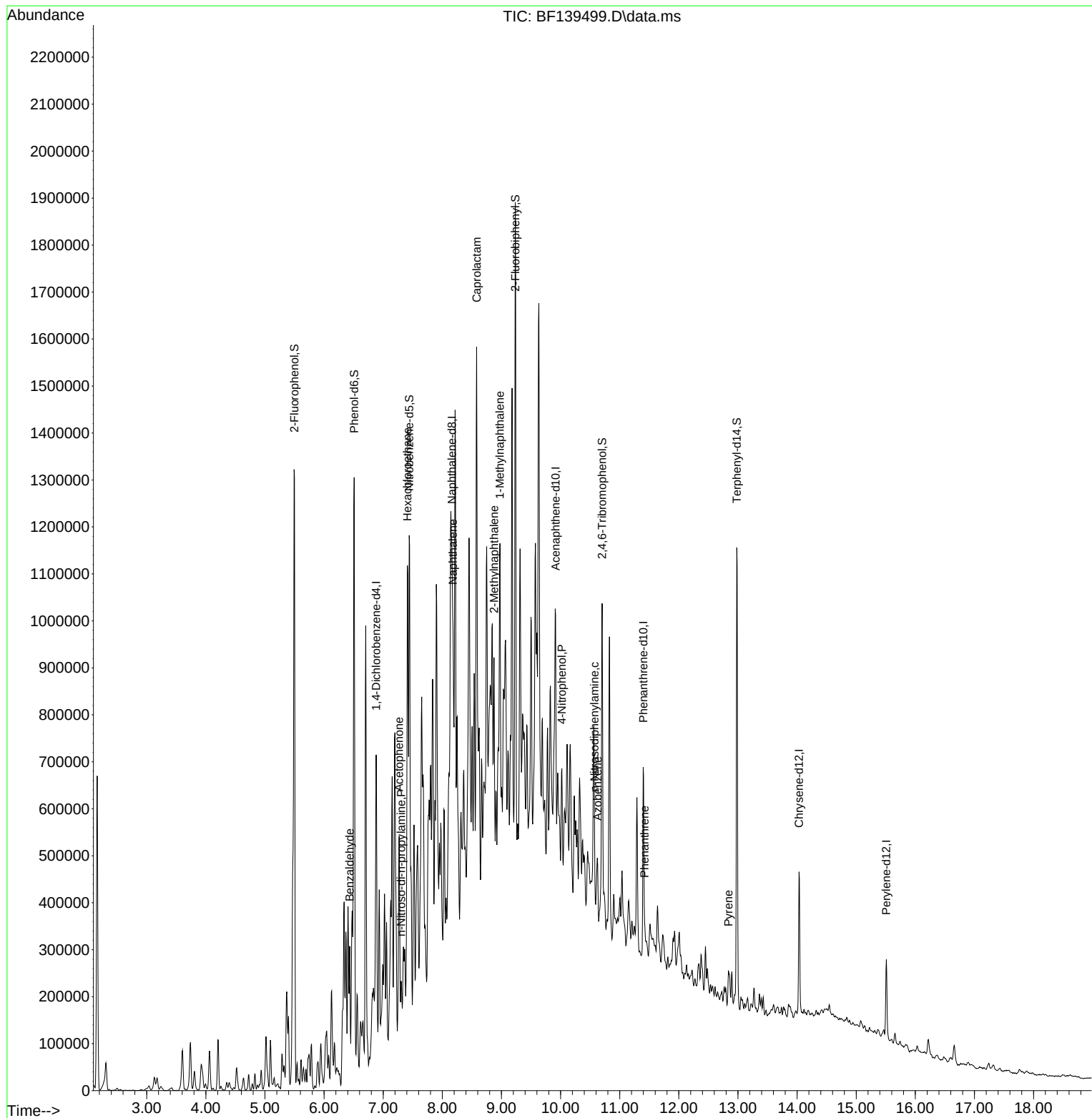
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77879	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	273264	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	130057	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	197920	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	140501	20.000	ng	# 0.00
86) Perylene-d12	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
9) Benzaldehyde	6.434	77	13130	3.627	ng	# 1
18) Hexachloroethane	7.410	117	51561	23.969	ng	# 1
19) n-Nitroso-di-n-propyla...	7.304	70	8263	2.225	ng	# 62
22) Acetophenone	7.269	105	72109	10.094	ng	# 43
31) Naphthalene	8.181	128	143979	10.092	ng	# 92
35) Caprolactam	8.581	113	28747	23.927	ng	# 1
37) 2-Methylnaphthalene	8.875	142	141684	15.647	ng	98
38) 1-Methylnaphthalene	8.975	142	214241	24.099	ng	99
56) 4-Nitrophenol	10.022	139	5101	3.262	ng	# 36
63) Azobenzene	10.627	77	22508	2.598	ng	# 5
66) n-Nitrosodiphenylamine	10.575	169	33098	5.720	ng	# 49
71) Phenanthrene	11.422	178	31644	3.314	ng	# 89
78) Pyrene	12.839	202	43794	3.630	ng	96

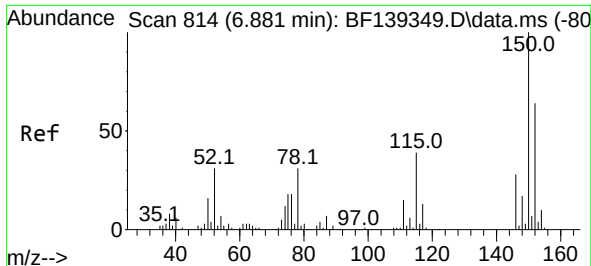
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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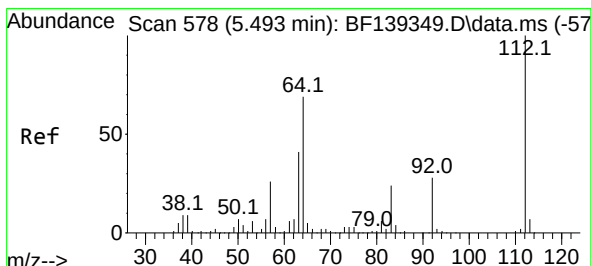
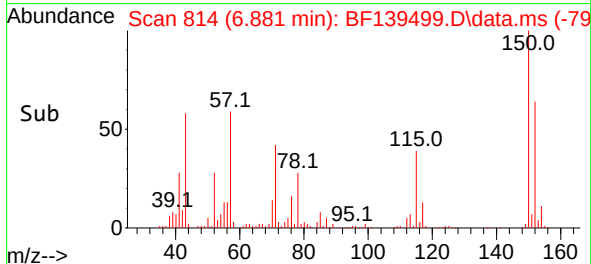
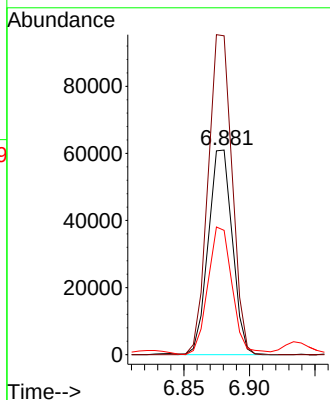
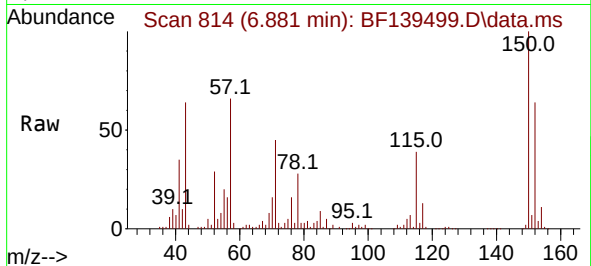




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

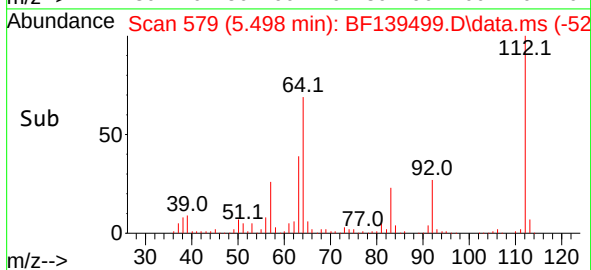
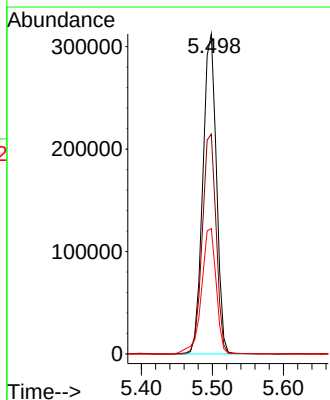
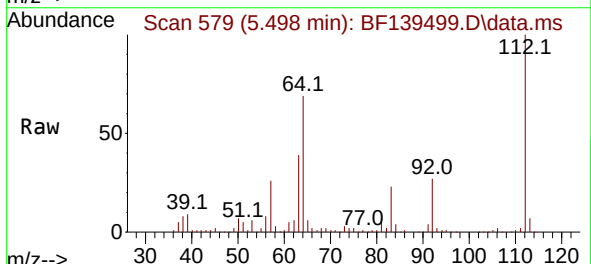
Instrument :
BNA_F
ClientSampleId :
WC-23

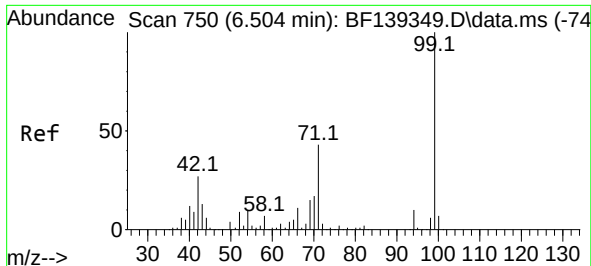
Tgt Ion:152 Resp: 77879
Ion Ratio Lower Upper
152 100
150 155.8 124.1 186.1
115 60.8 48.1 72.1



#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

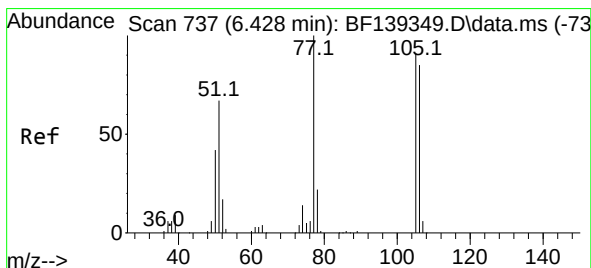
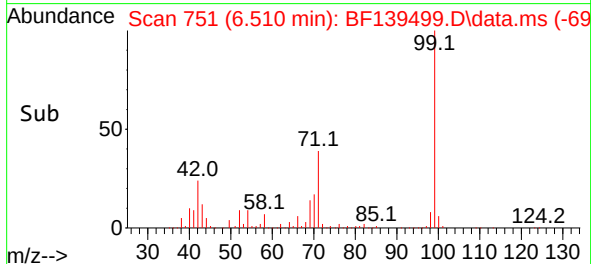
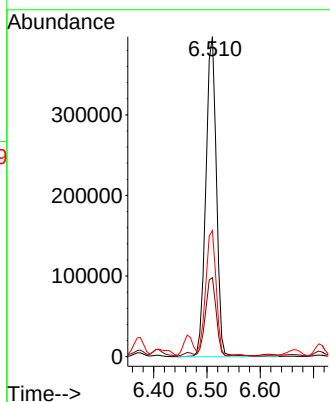
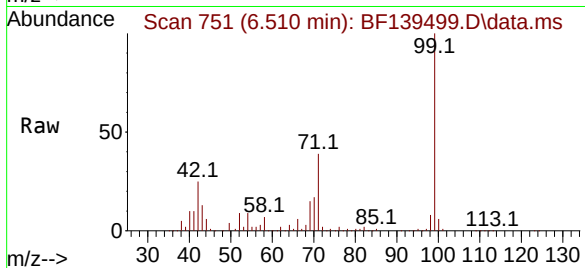




#7
Phenol-d6
Concen: 87.945 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

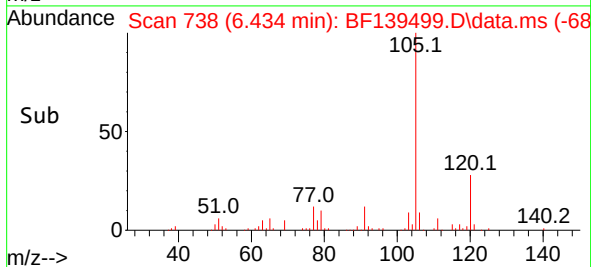
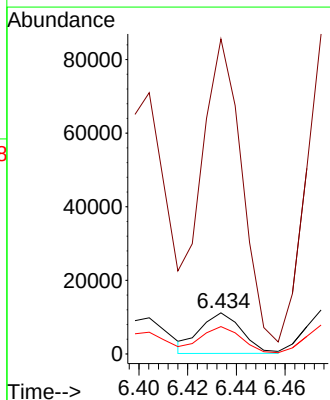
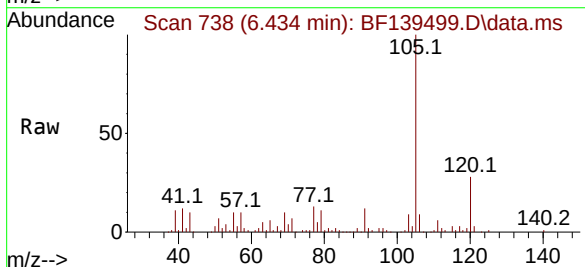
Instrument :
BNA_F
ClientSampleId :
WC-23

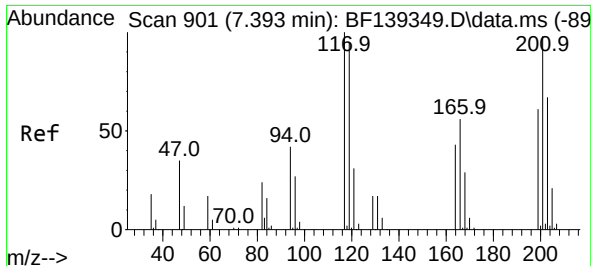
Tgt Ion: 99 Resp: 551069
Ion Ratio Lower Upper
99 100
42 24.7 21.9 32.9
71 39.4 34.6 52.0



#9
Benzaldehyde
Concen: 3.627 ng
RT: 6.434 min Scan# 738
Delta R.T. 0.006 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

Tgt Ion: 77 Resp: 13130
Ion Ratio Lower Upper
77 100
105 766.9 71.0 111.0#
106 66.7 64.9 104.9

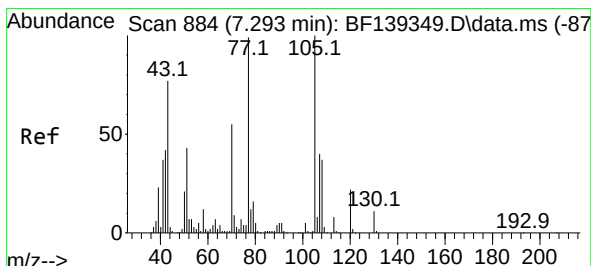
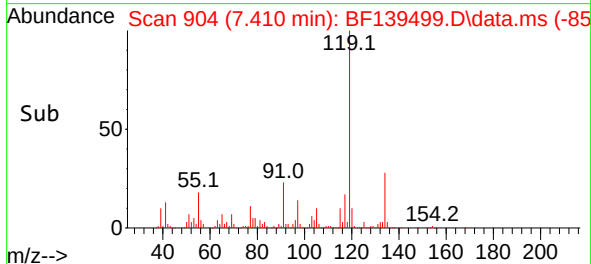
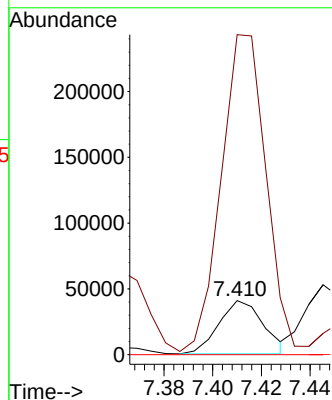
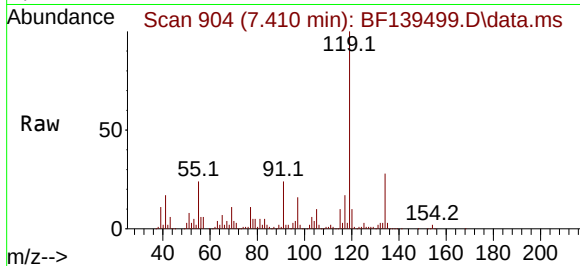




#18
Hexachloroethane
Concen: 23.969 ng
RT: 7.410 min Scan# 901
Delta R.T. 0.018 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

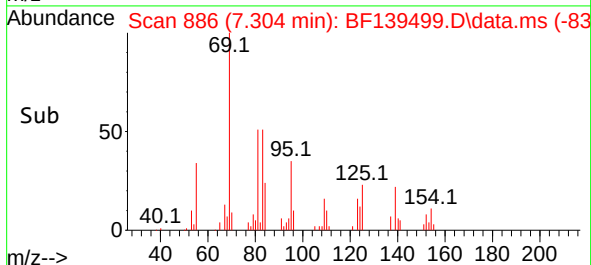
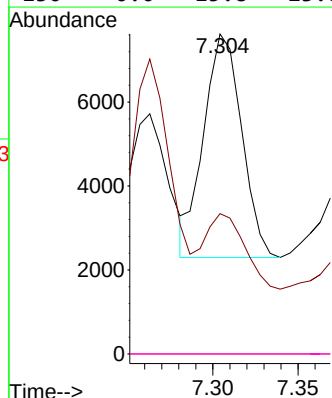
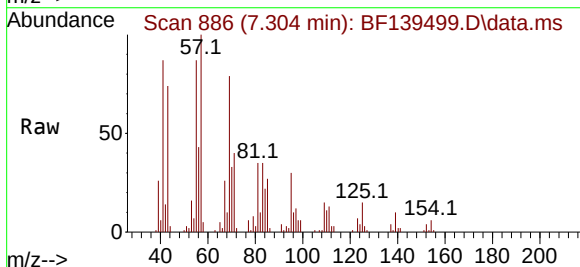
Instrument :
BNA_F
ClientSampleId :
WC-23

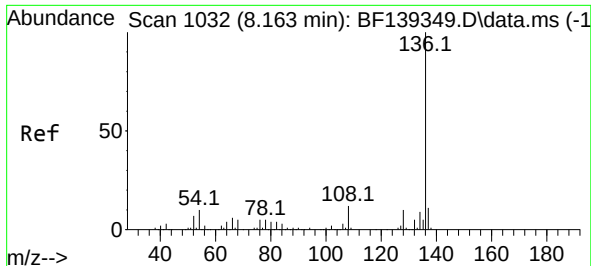
Tgt Ion:117 Resp: 51561
Ion Ratio Lower Upper
117 100
119 592.2 75.8 113.8#
201 0.0 78.6 118.0#



#19
n-Nitroso-di-n-propylamine
Concen: 2.225 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.012 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

Tgt Ion: 70 Resp: 8263
Ion Ratio Lower Upper
70 100
42 43.8 61.2 91.8#
101 0.0 7.5 11.3#
130 0.0 15.8 23.8#

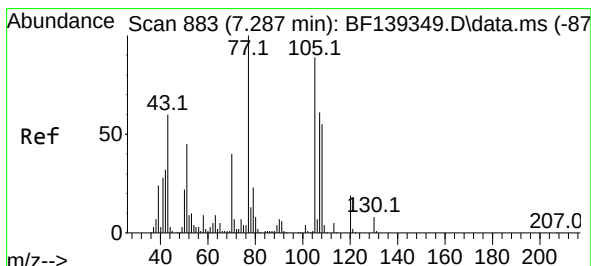
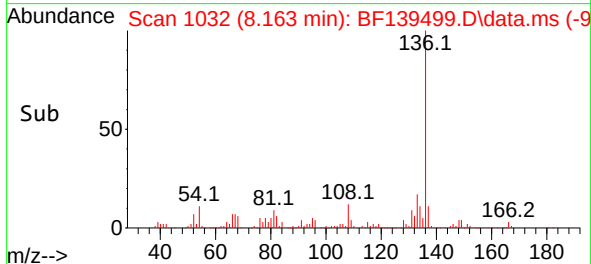
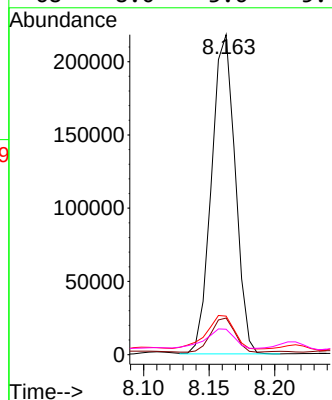
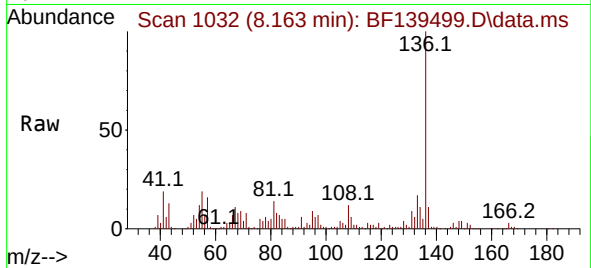




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

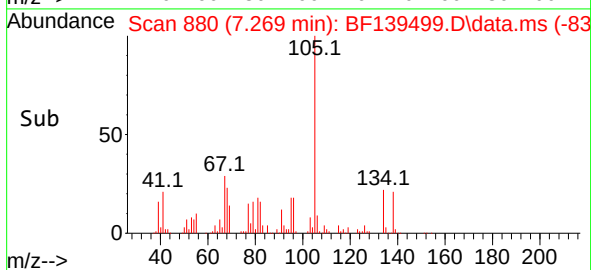
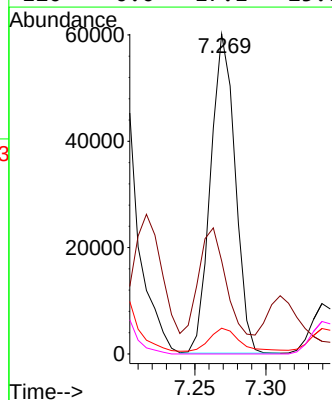
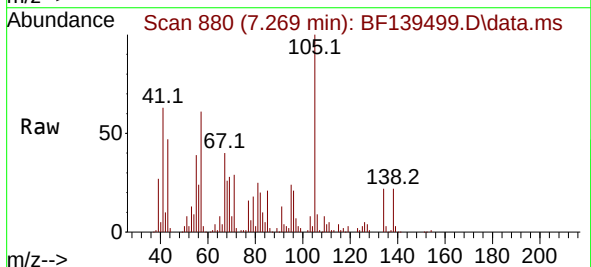
Instrument :
BNA_F
ClientSampleId :
WC-23

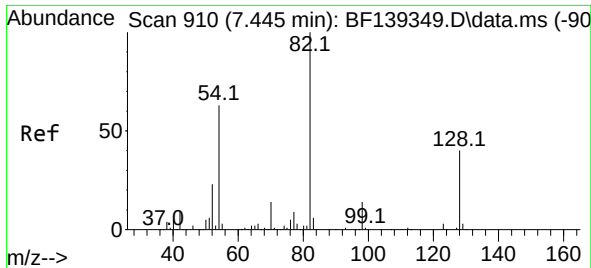
Tgt Ion:136 Resp: 273264
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 12.1 7.8 11.8#
68 8.0 3.6 5.4#



#22
Acetophenone
Concen: 10.094 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.018 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

Tgt Ion:105 Resp: 72109
Ion Ratio Lower Upper
105 100
71 29.1 5.9 8.9#
51 8.1 40.0 60.0#
120 0.0 17.1 25.7#

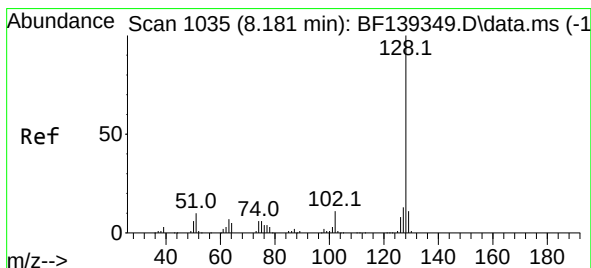
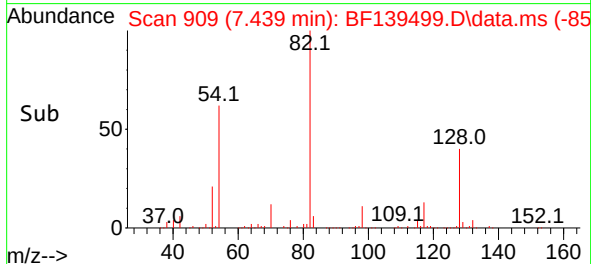
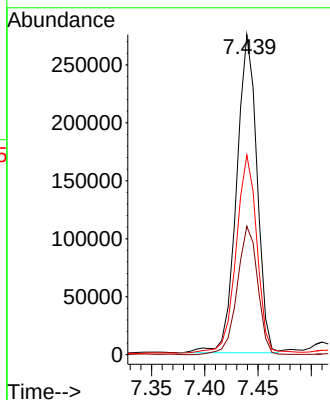
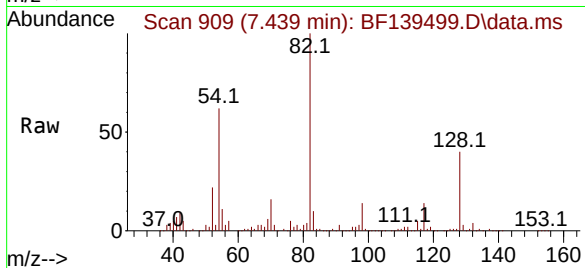




#23
Nitrobenzene-d5
Concen: 63.059 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

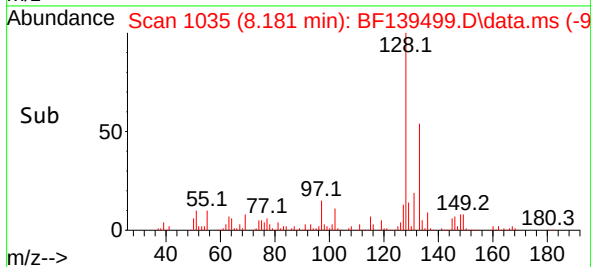
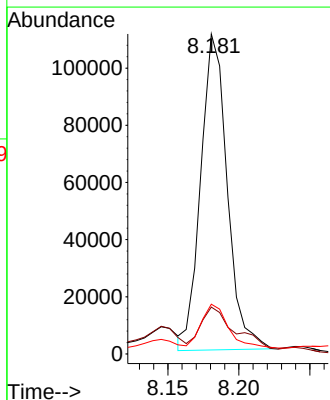
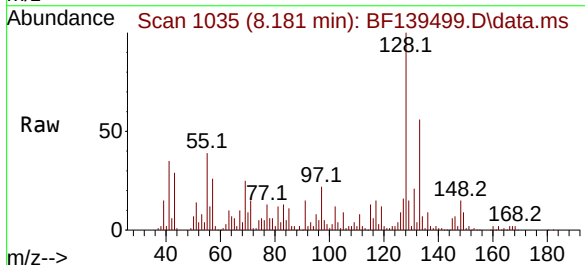
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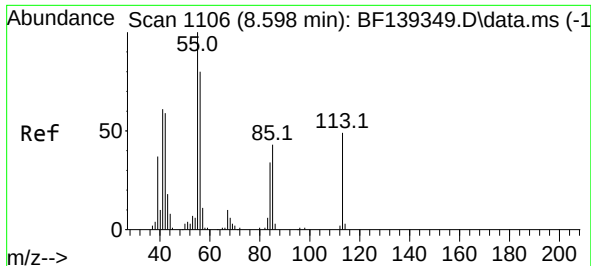
Tgt Ion: 82 Resp: 366543
Ion Ratio Lower Upper
82 100
128 40.1 31.8 47.6
54 62.4 50.6 75.8



#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

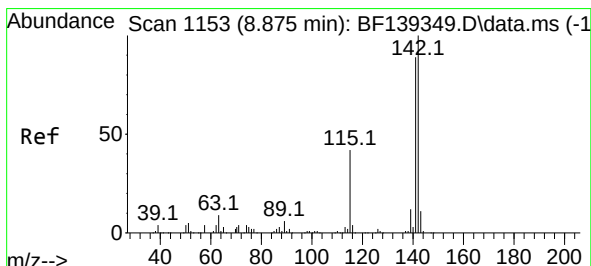
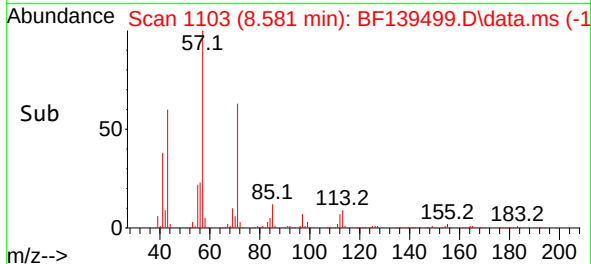
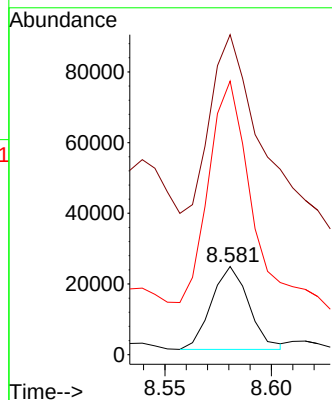
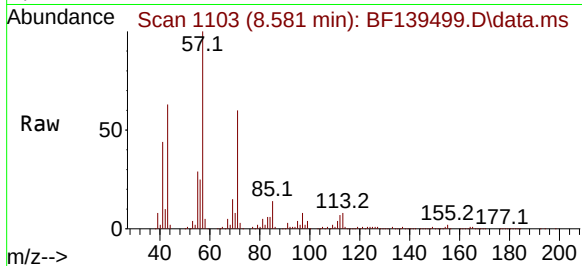




#35
 Caprolactam
 Concen: 23.927 ng
 RT: 8.581 min Scan# 1103
 Delta R.T. -0.018 min
 Lab File: BF139499.D
 Acq: 20 Sep 2024 13:48

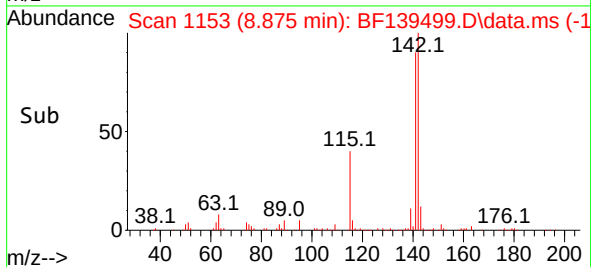
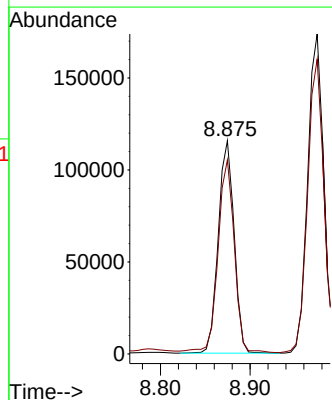
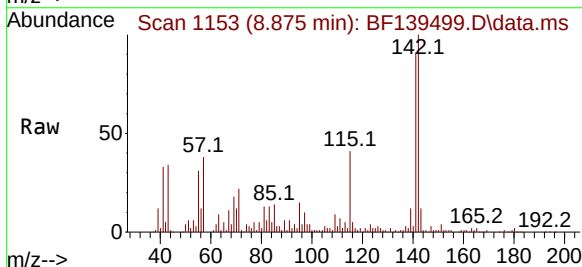
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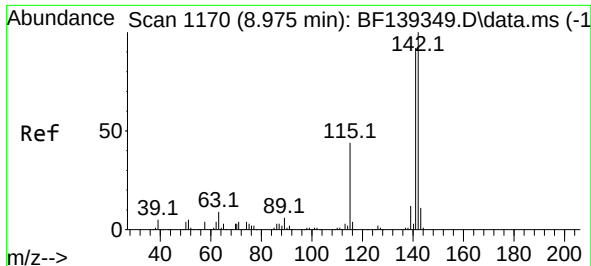
Tgt Ion:113 Resp: 28747
 Ion Ratio Lower Upper
 113 100
 55 362.8 186.1 226.1#
 56 310.2 144.9 184.9#



#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

Tgt Ion:142 Resp: 141684
 Ion Ratio Lower Upper
 142 100
 141 91.0 71.6 107.4

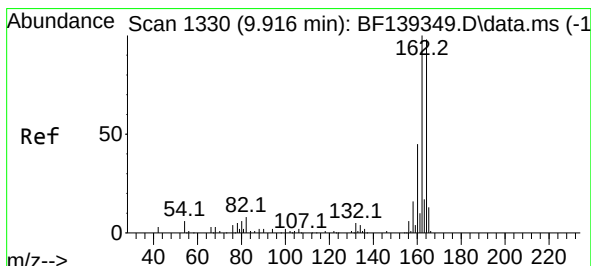
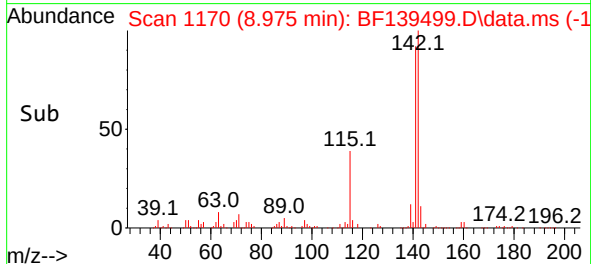
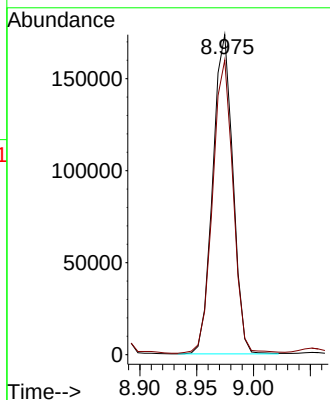
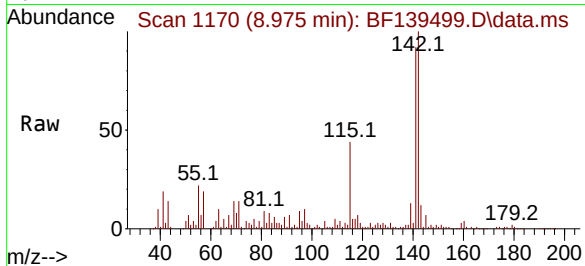




#38
1-Methylnaphthalene
Concen: 24.099 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

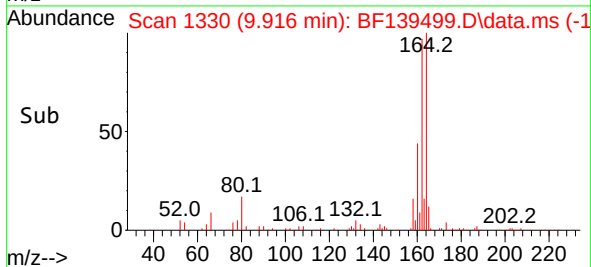
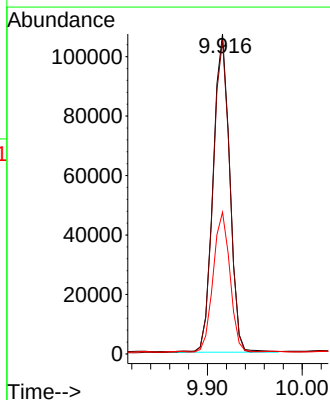
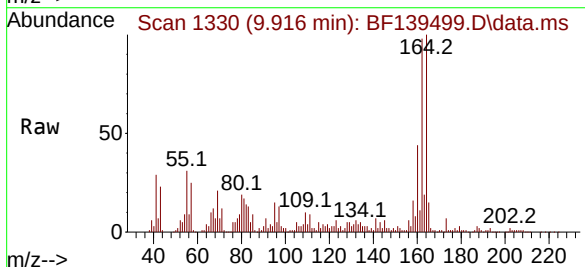
Instrument :
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ClientSampleId :
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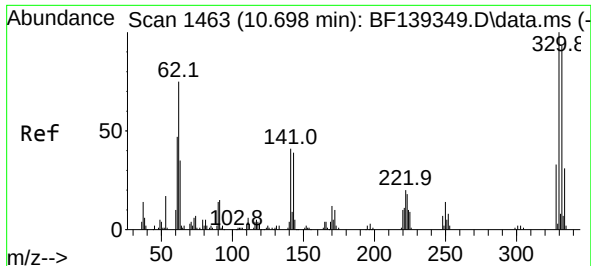
Tgt Ion:142 Resp: 214241
Ion Ratio Lower Upper
142 100
141 92.1 73.2 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

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

Instrument :

BNA_F

ClientSampleId :

WC-23

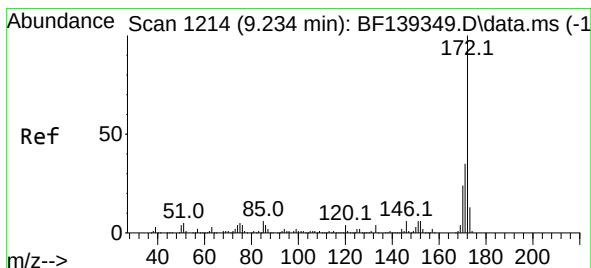
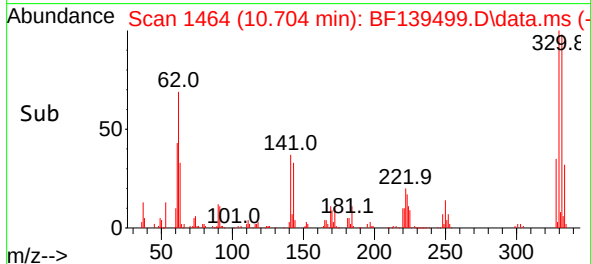
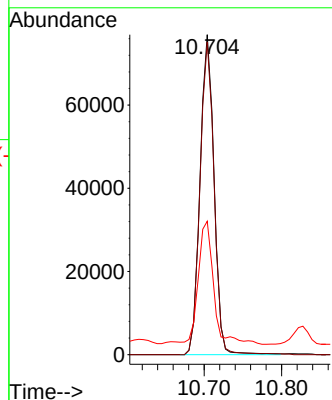
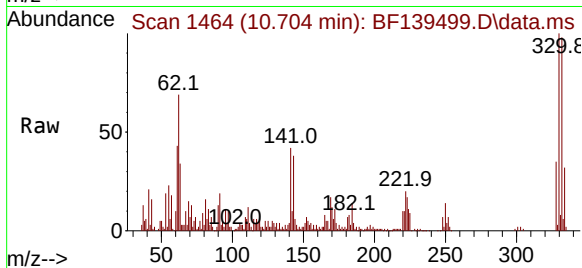
Tgt Ion:330 Resp: 96550

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# 1214

Delta R.T. -0.000 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

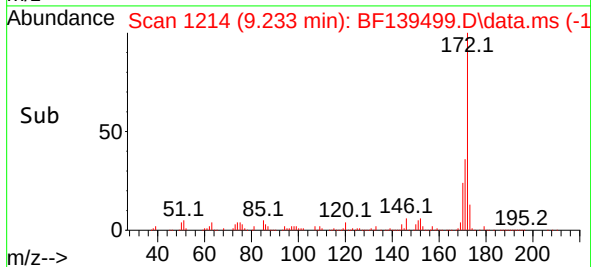
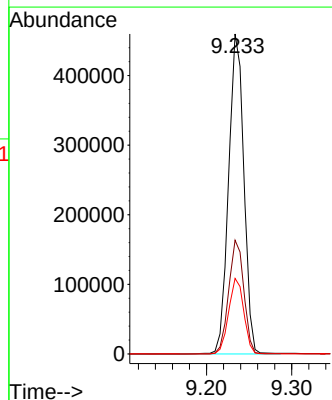
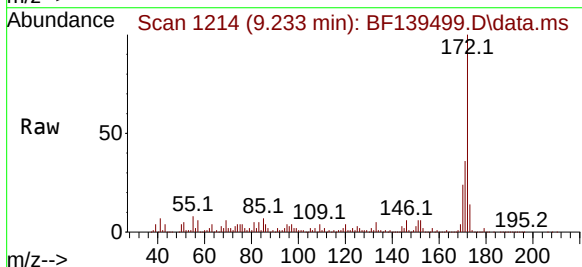
Tgt Ion:172 Resp: 574198

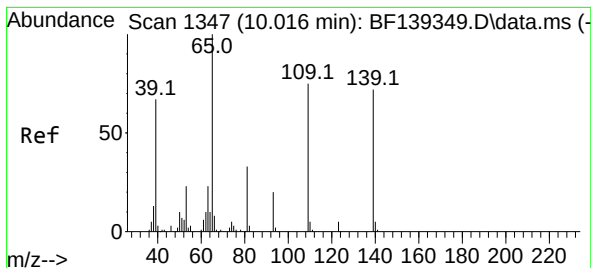
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.6 19.0 28.6

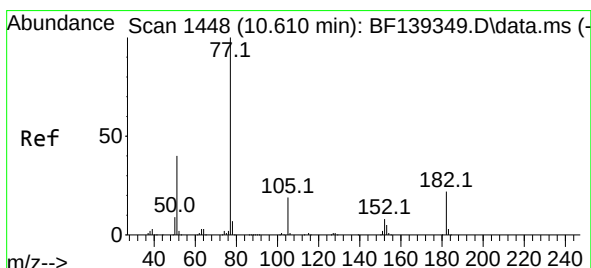
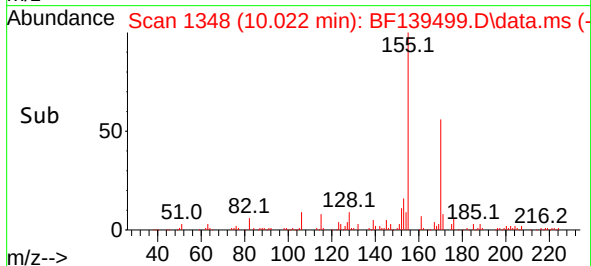
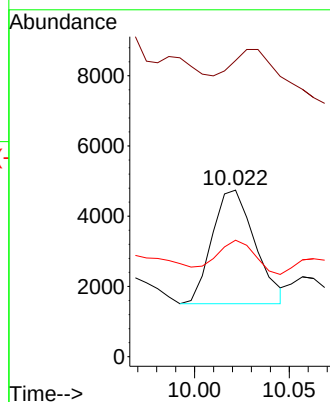
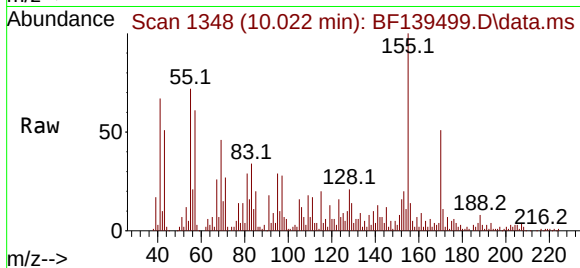




#56
4-Nitrophenol
Concen: 3.262 ng
RT: 10.022 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

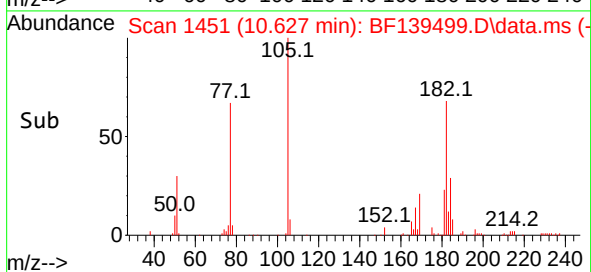
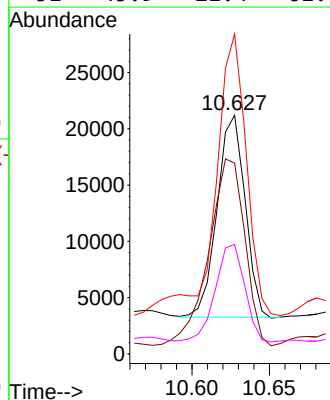
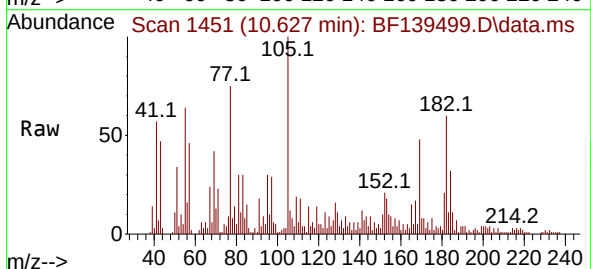
Instrument :
BNA_F
ClientSampleId :
WC-23

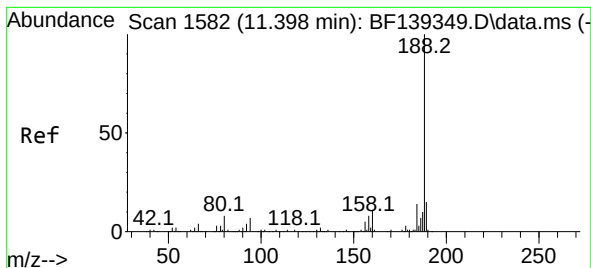
Tgt Ion:139 Resp: 5101
Ion Ratio Lower Upper
139 100
109 177.8 84.1 124.1#
65 69.9 120.0 160.0#



#63
Azobenzene
Concen: 2.598 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.018 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

Tgt Ion: 77 Resp: 22508
Ion Ratio Lower Upper
77 100
182 79.9 1.8 41.8#
105 134.0 0.0 38.6#
51 45.9 21.4 61.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 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

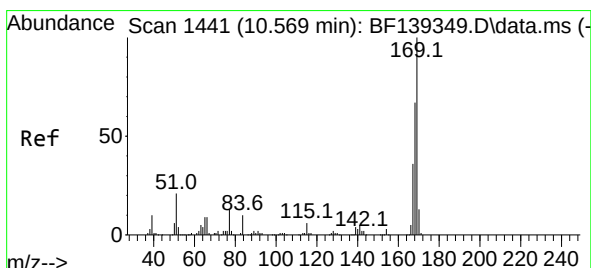
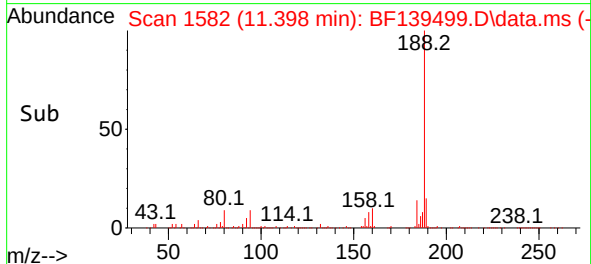
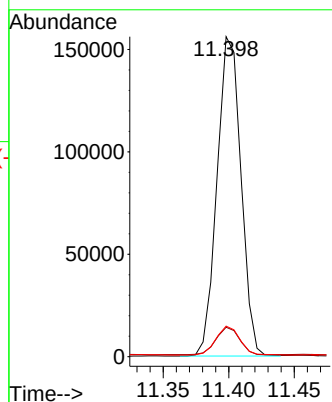
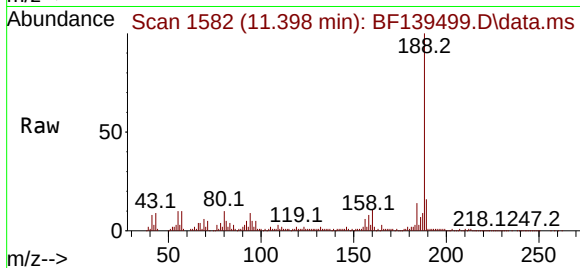
Tgt Ion:188 Resp: 197920

Ion Ratio Lower Upper

188 100

94 9.2 5.5 8.3#

80 9.5 6.6 9.8



#66

n-Nitrosodiphenylamine

Concen: 5.720 ng

RT: 10.575 min Scan# 1442

Delta R.T. 0.006 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

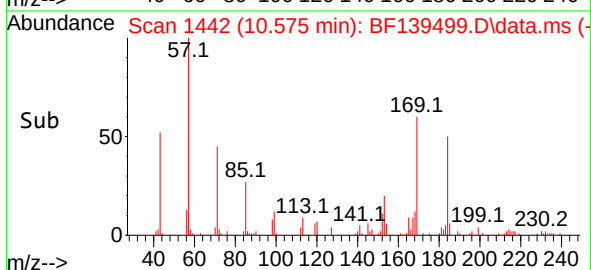
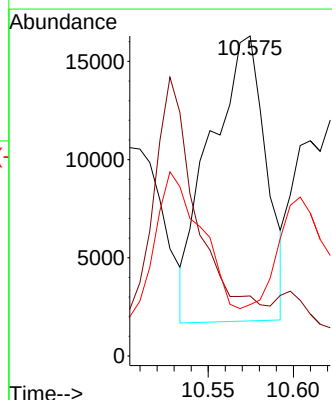
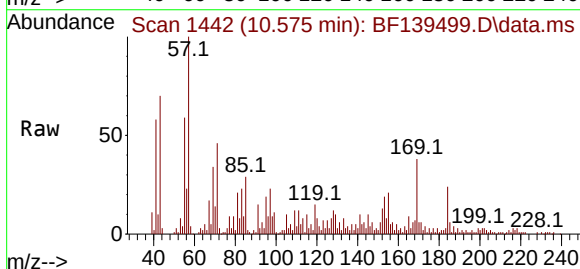
Tgt Ion:169 Resp: 33098

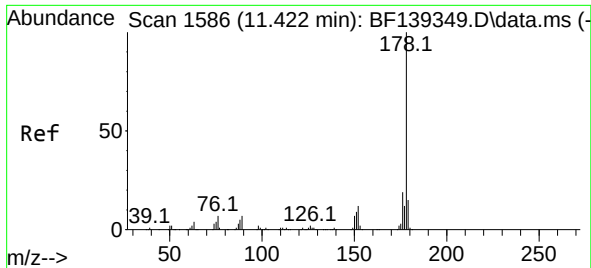
Ion Ratio Lower Upper

169 100

168 18.7 53.6 80.4#

167 16.1 28.7 43.1#

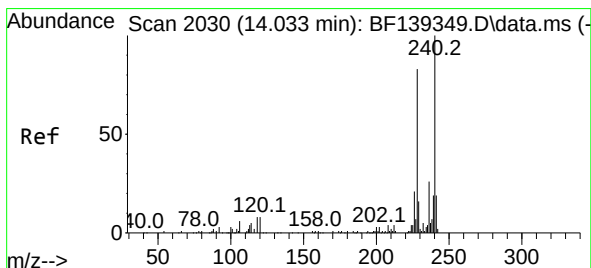
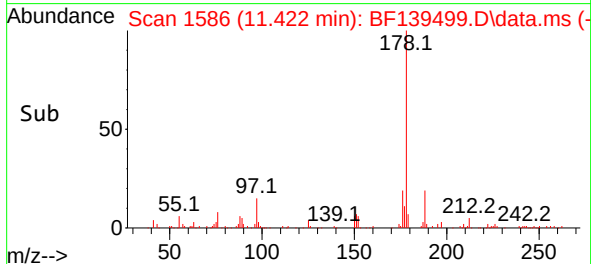
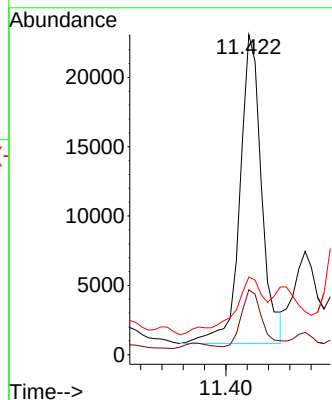
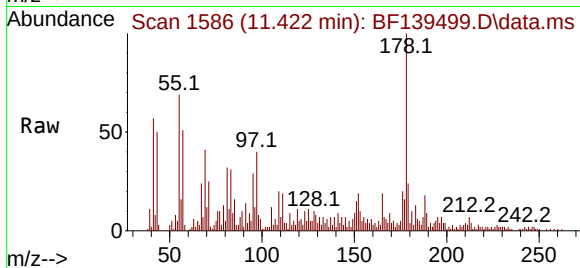




#71
Phenanthrene
Concen: 3.314 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139499.D
Acq: 20 Sep 2024 13:48

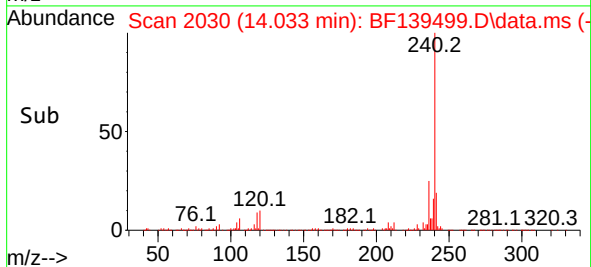
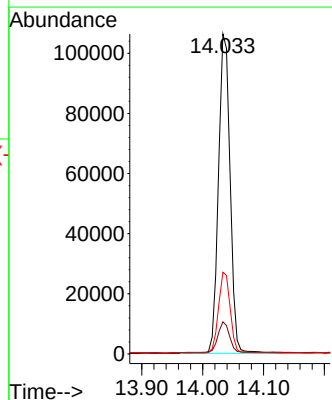
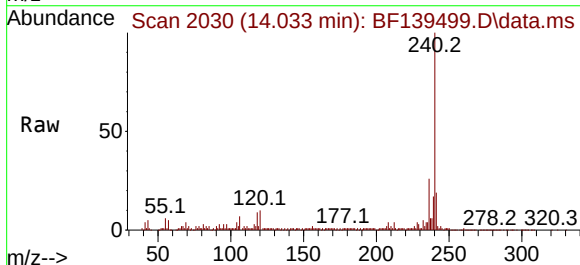
Instrument :
BNA_F
ClientSampleId :
WC-23

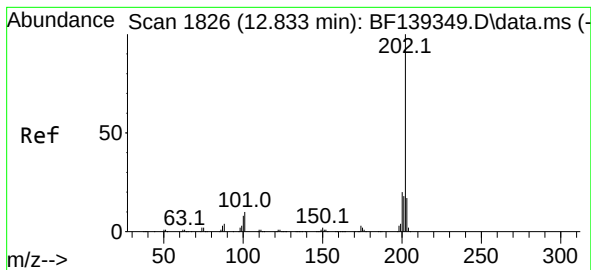
Tgt Ion:178 Resp: 31644
Ion Ratio Lower Upper
178 100
176 20.3 15.2 22.8
179 24.2 12.2 18.4#



#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# 1827

Delta R.T. 0.006 min

Lab File: BF139499.D

Acq: 20 Sep 2024 13:48

Instrument :

BNA_F

ClientSampleId :

WC-23

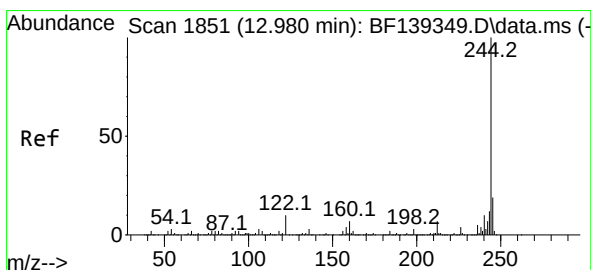
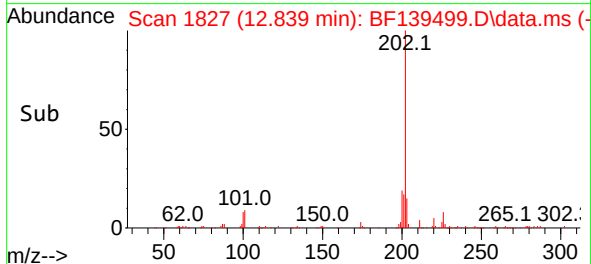
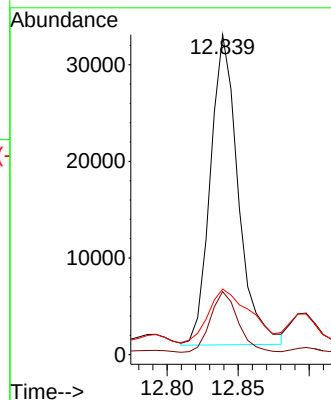
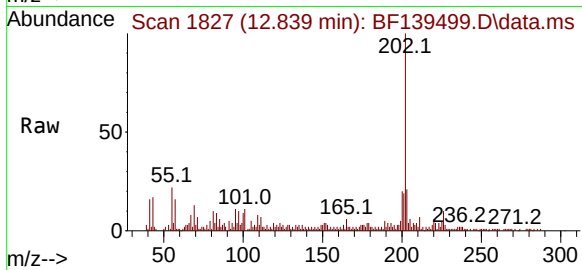
Tgt Ion:202 Resp: 43794

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

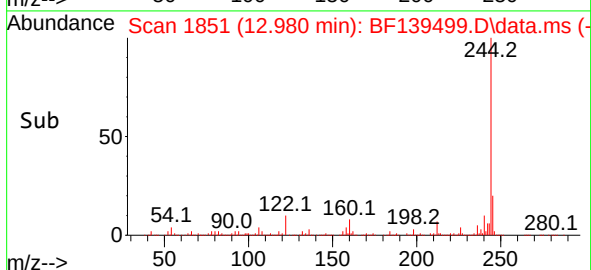
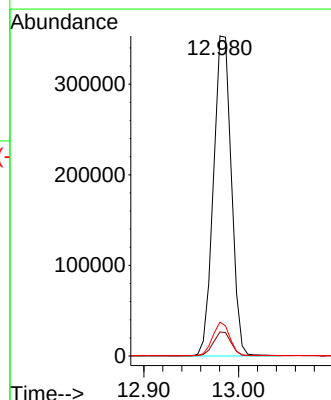
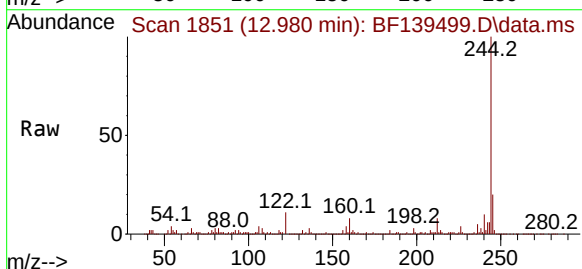
Tgt Ion:244 Resp: 464550

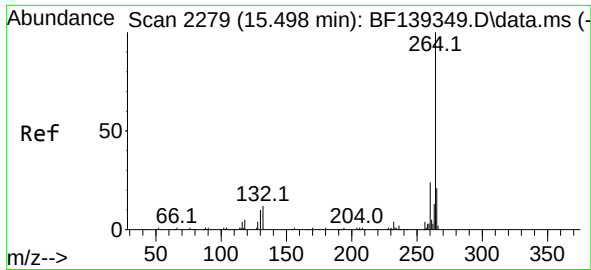
Ion Ratio Lower Upper

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

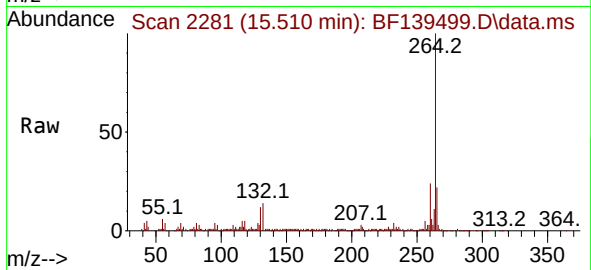
Acq: 20 Sep 2024 13:48

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

