

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091924\
 Data File : BF139491.D
 Acq On : 20 Sep 2024 04:25
 Operator : RC/JU
 Sample : P4103-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Sep 20 05:11:09 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)

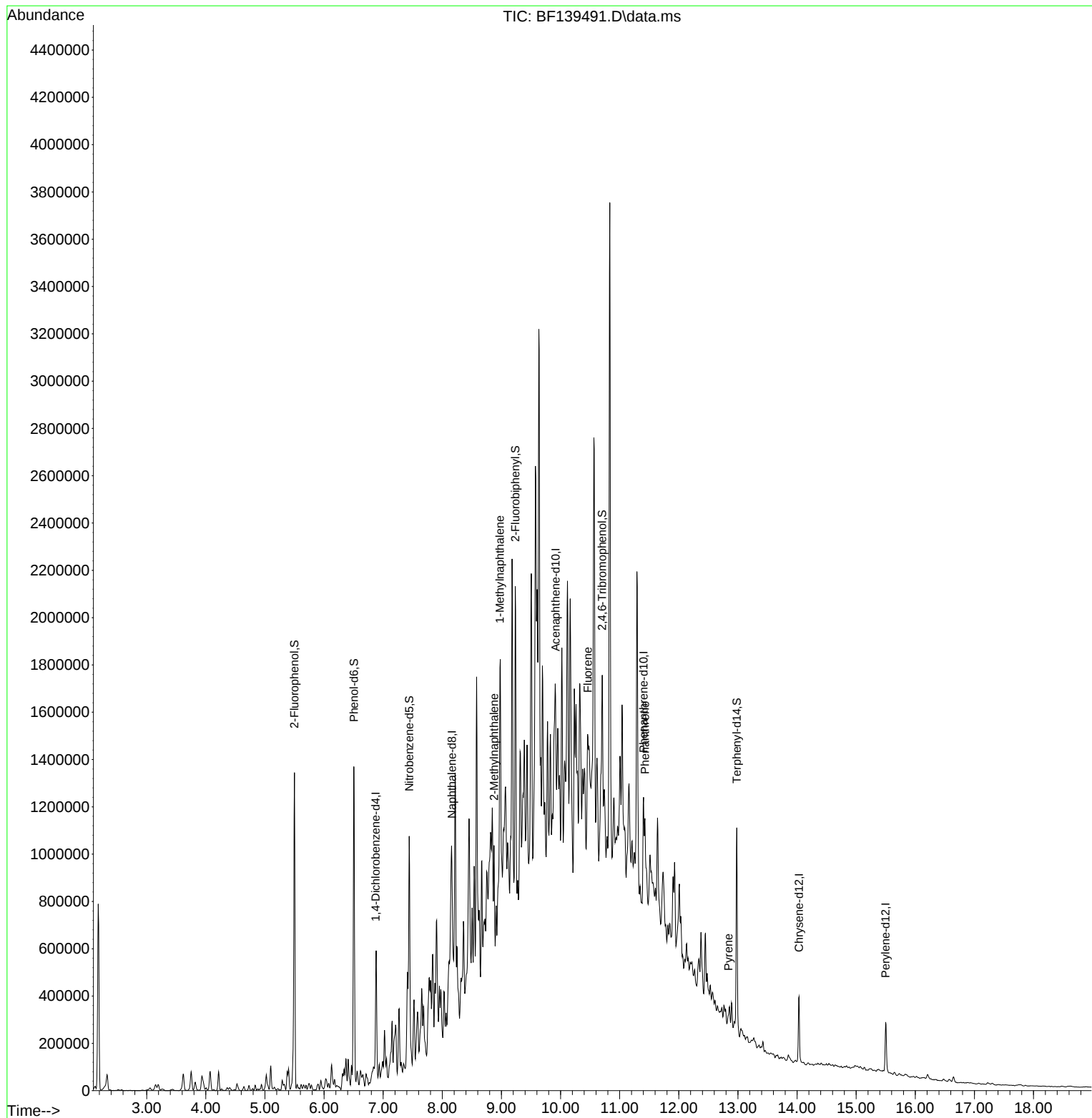
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	79640	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	270358	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	125318	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	175001	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	126707	20.000	ng	0.00
86) Perylene-d12	15.498	264	125544	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	431636	88.416	ng	0.00
7) Phenol-d6	6.504	99	572426	89.333	ng	0.00
23) Nitrobenzene-d5	7.440	82	365231	63.509	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	98009	73.461	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	575753	64.436	ng	0.00
79) Terphenyl-d14	12.980	244	398574	51.632	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.875	142	162609	18.151	ng	98
38) 1-Methylnaphthalene	8.975	142	285907	32.506	ng	100
58) Fluorene	10.463	166	71026	8.247	ng	# 83
71) Phenanthrene	11.428	178	170338	20.175	ng	# 93
78) Pyrene	12.839	202	26565	2.442	ng	# 89

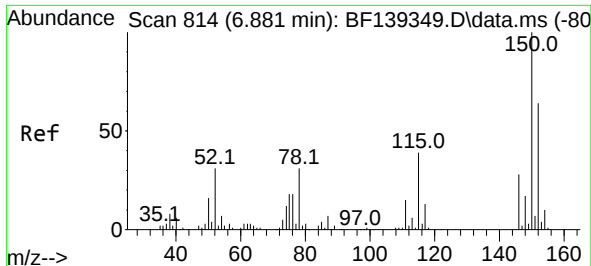
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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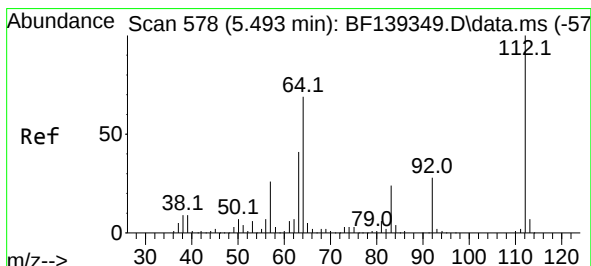
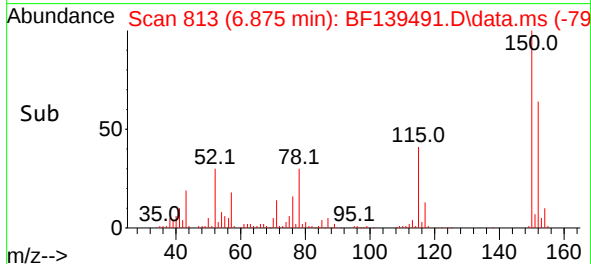
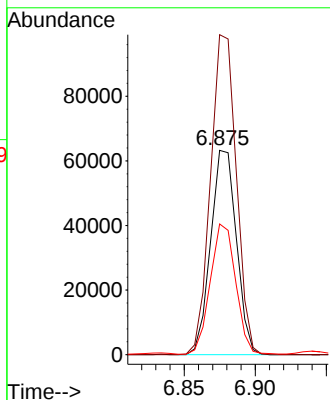
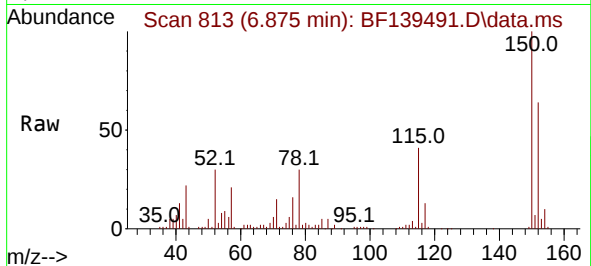




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139491.D
Acq: 20 Sep 2024 04:25

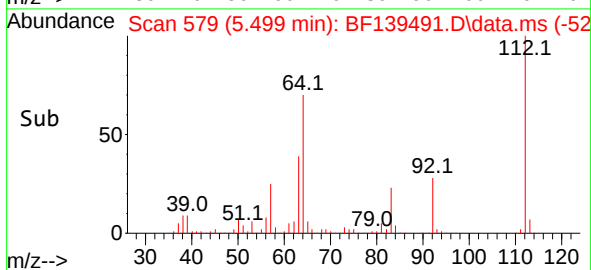
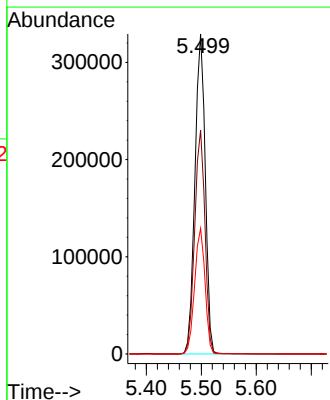
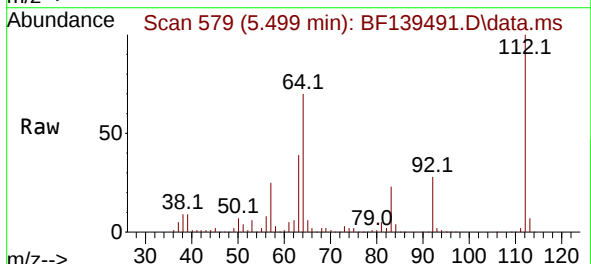
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5B

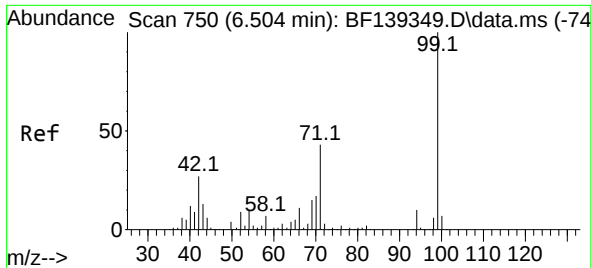
Tgt Ion:152 Resp: 79640
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 63.9 48.1 72.1



#5
2-Fluorophenol
Concen: 88.416 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139491.D
Acq: 20 Sep 2024 04:25

Tgt Ion:112 Resp: 431636
Ion Ratio Lower Upper
112 100
64 69.9 54.8 82.2
63 39.3 33.0 49.4





#7

Phenol-d6

Concen: 89.333 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139491.D

Acq: 20 Sep 2024 04:25

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5B

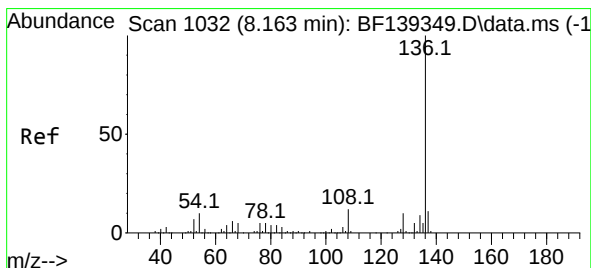
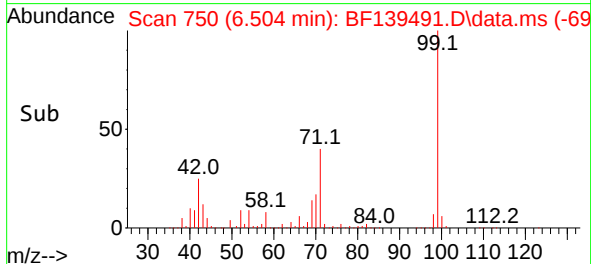
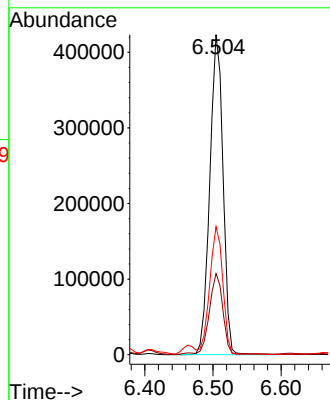
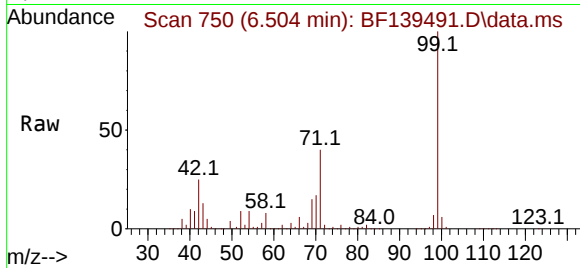
Tgt Ion: 99 Resp: 572426

Ion Ratio Lower Upper

99 100

42 25.4 21.9 32.9

71 40.0 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: BF139491.D

Acq: 20 Sep 2024 04:25

Tgt Ion:136 Resp: 270358

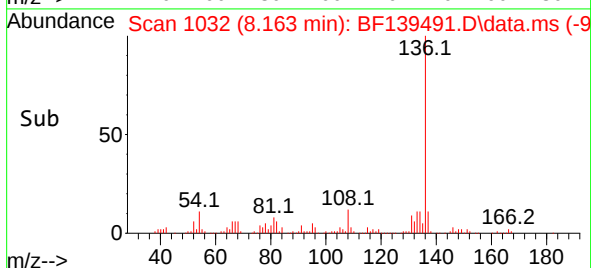
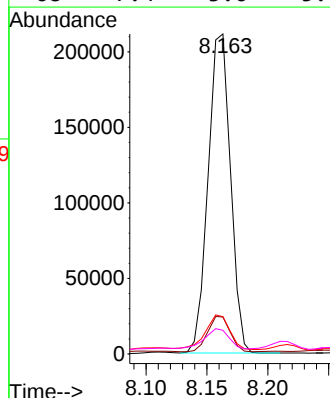
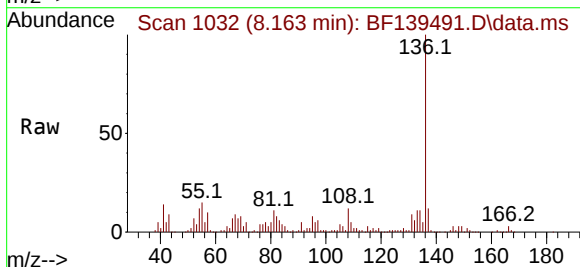
Ion Ratio Lower Upper

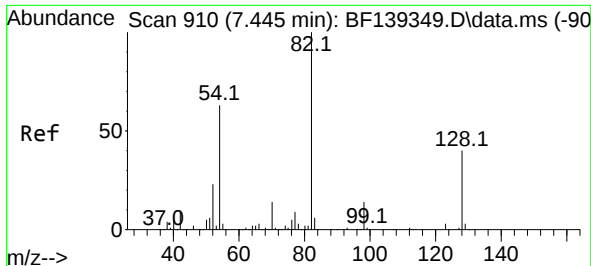
136 100

137 11.6 8.6 12.8

54 11.7 7.8 11.8

68 7.4 3.6 5.4#

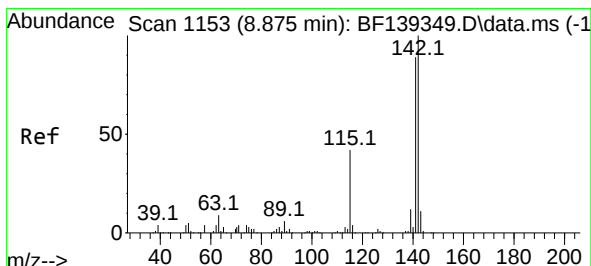
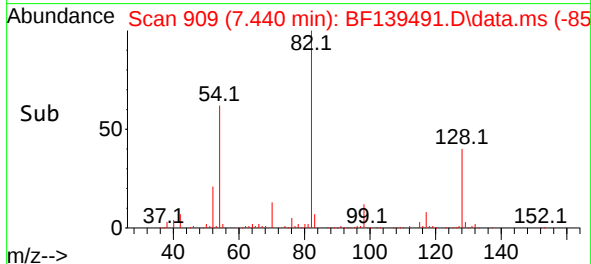
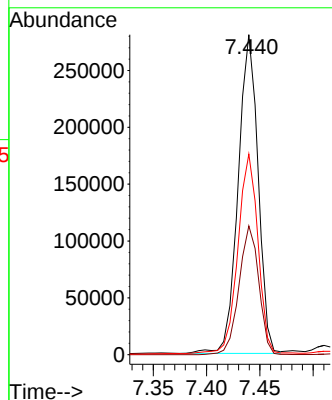
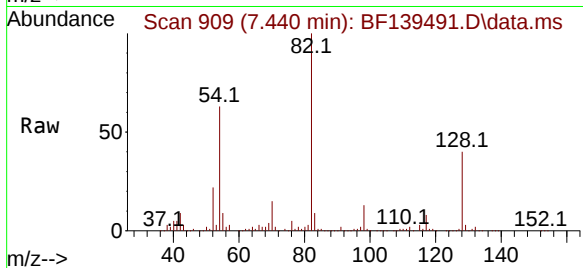




#23
Nitrobenzene-d5
Concen: 63.509 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139491.D
Acq: 20 Sep 2024 04:25

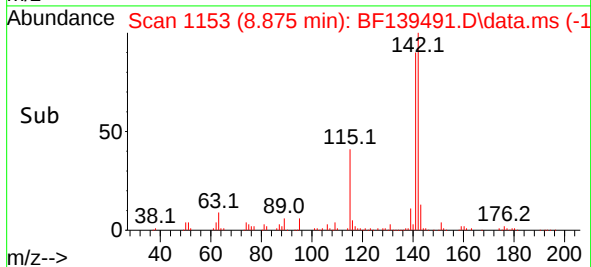
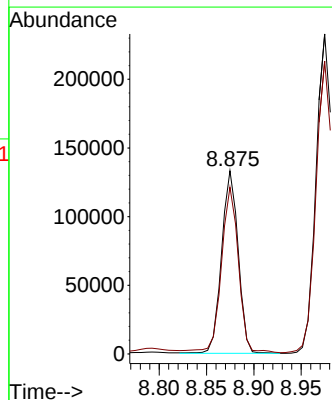
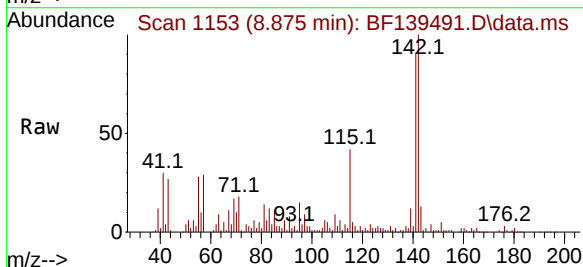
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5B

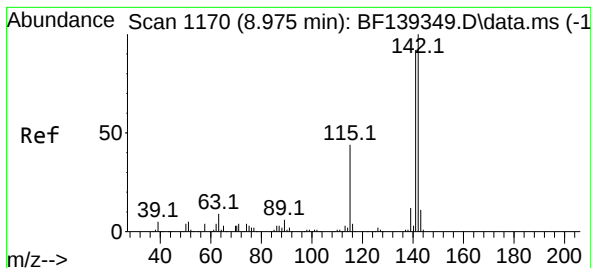
Tgt Ion: 82 Resp: 365231
Ion Ratio Lower Upper
82 100
128 40.3 31.8 47.6
54 62.7 50.6 75.8



#37
2-Methylnaphthalene
Concen: 18.151 ng
RT: 8.875 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF139491.D
Acq: 20 Sep 2024 04:25

Tgt Ion: 142 Resp: 162609
Ion Ratio Lower Upper
142 100
141 91.0 71.6 107.4





#38

1-Methylnaphthalene

Concen: 32.506 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF139491.D

Acq: 20 Sep 2024 04:25

Instrument :

BNA_F

ClientSampleId :

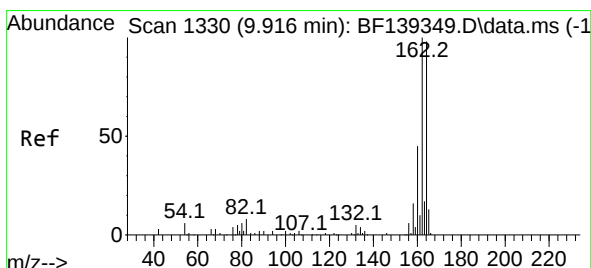
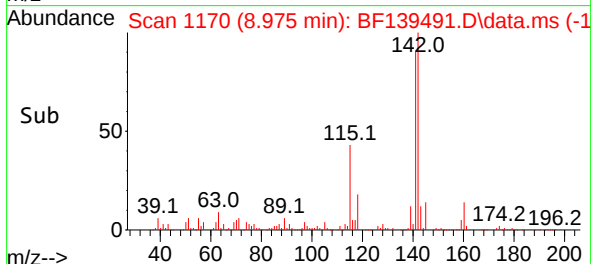
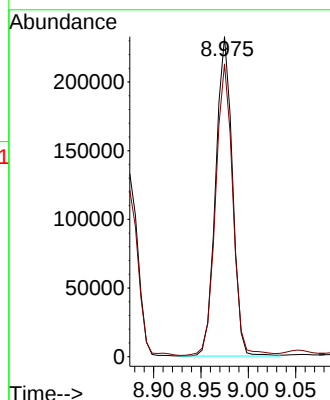
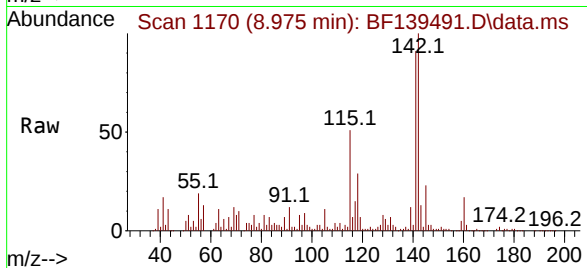
WC-14-5-7.5B

Tgt Ion:142 Resp: 285907

Ion Ratio Lower Upper

142 100

141 91.5 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: BF139491.D

Acq: 20 Sep 2024 04:25

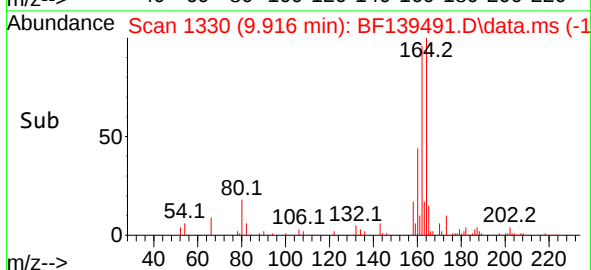
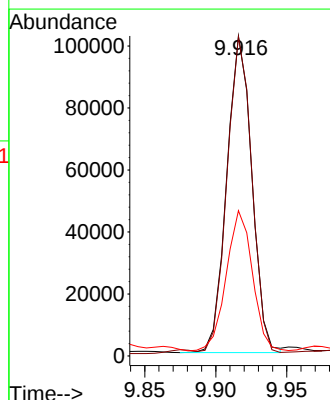
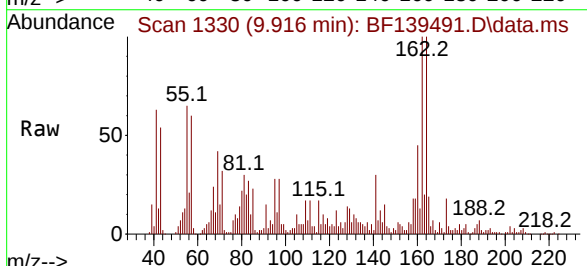
Tgt Ion:164 Resp: 125318

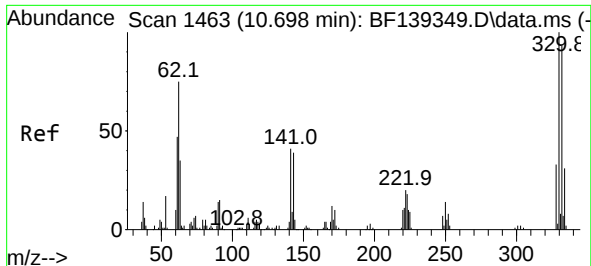
Ion Ratio Lower Upper

164 100

162 99.7 81.3 121.9

160 45.4 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 73.461 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.006 min

Lab File: BF139491.D

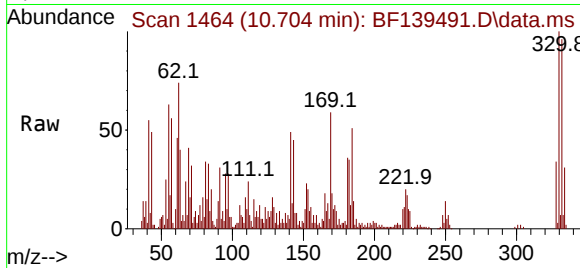
Acq: 20 Sep 2024 04:25

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5B



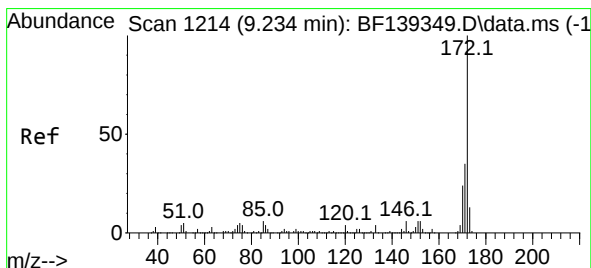
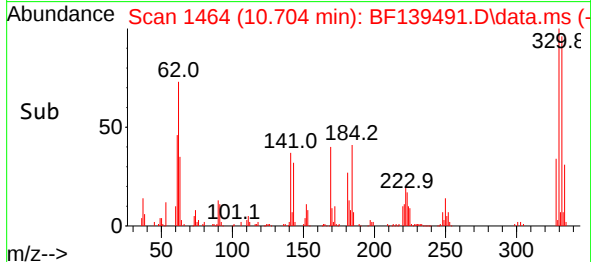
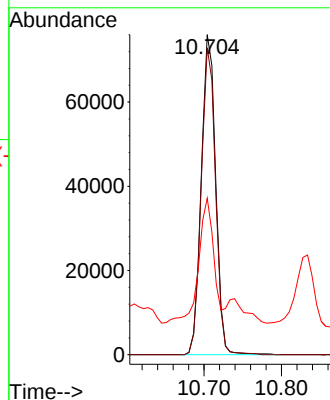
Tgt Ion:330 Resp: 98009

Ion Ratio Lower Upper

330 100

332 95.5 75.2 112.8

141 41.2 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 64.436 ng

RT: 9.234 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF139491.D

Acq: 20 Sep 2024 04:25

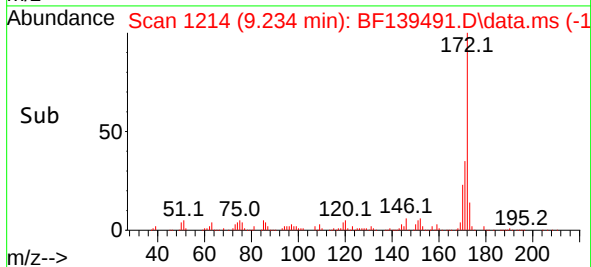
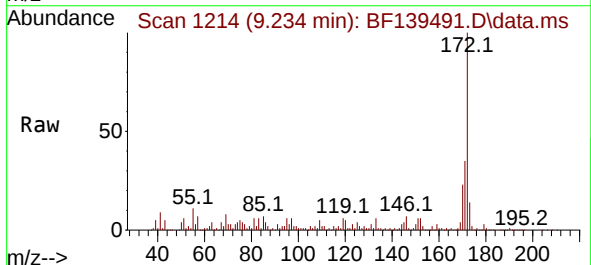
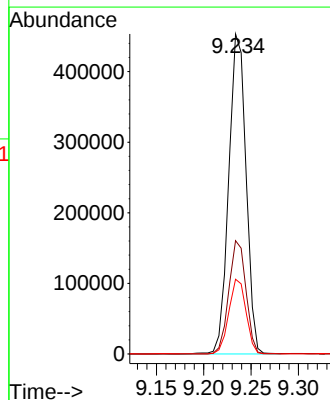
Tgt Ion:172 Resp: 575753

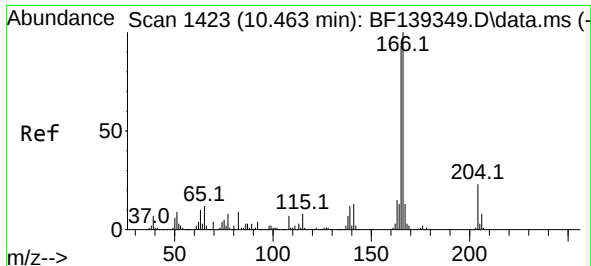
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.4 19.0 28.6

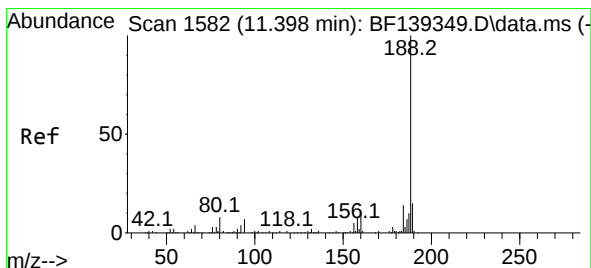
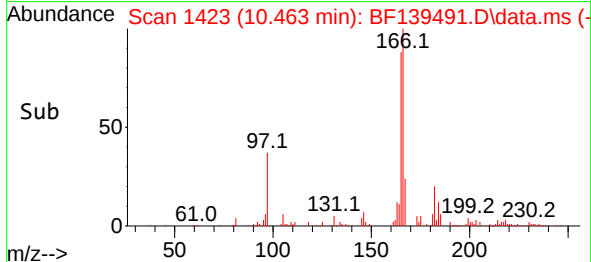
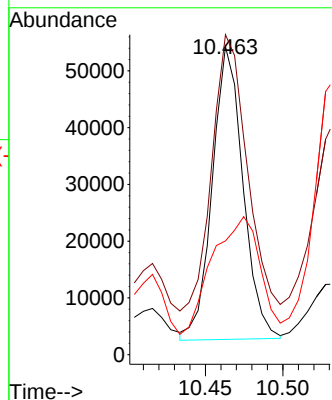
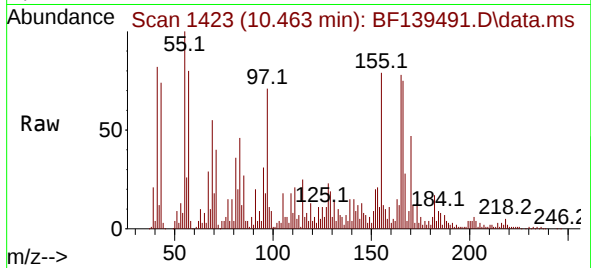




#58
Fluorene
Concen: 8.247 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF139491.D
Acq: 20 Sep 2024 04:25

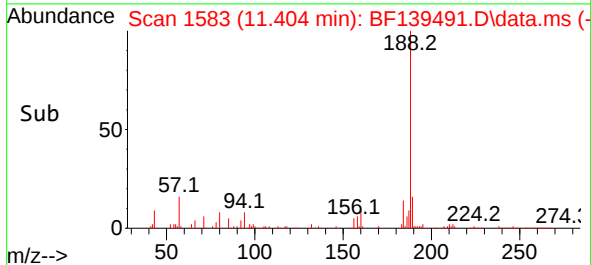
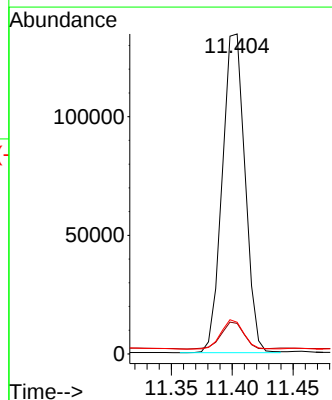
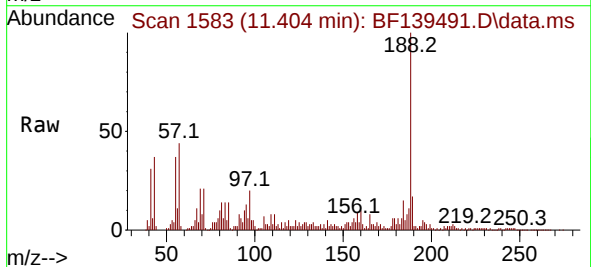
Instrument :
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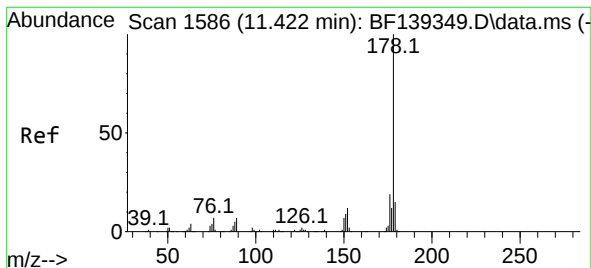
Tgt Ion:166 Resp: 71026
Ion Ratio Lower Upper
166 100
165 103.9 74.5 111.7
167 36.9 10.6 16.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF139491.D
Acq: 20 Sep 2024 04:25

Tgt Ion:188 Resp: 175001
Ion Ratio Lower Upper
188 100
94 9.6 5.5 8.3#
80 9.9 6.6 9.8#





#71

Phenanthrene

Concen: 20.175 ng

RT: 11.428 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139491.D

Acq: 20 Sep 2024 04:25

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5B

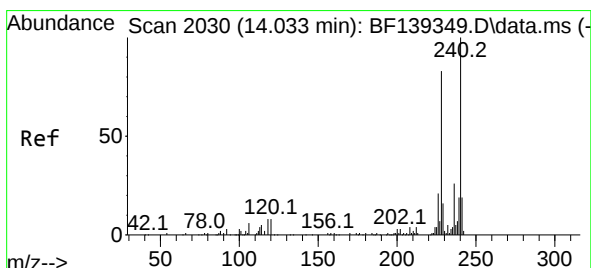
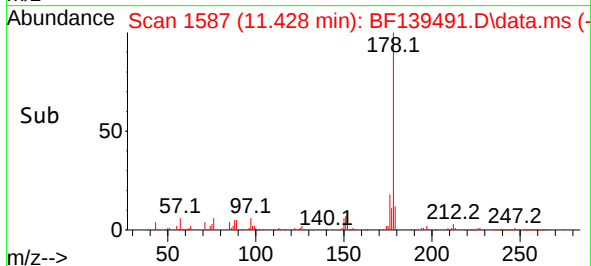
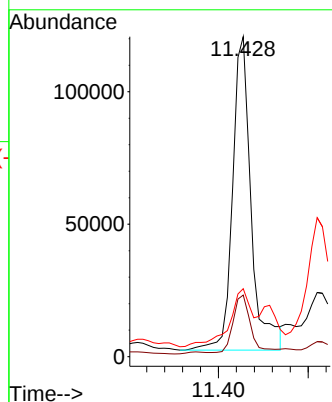
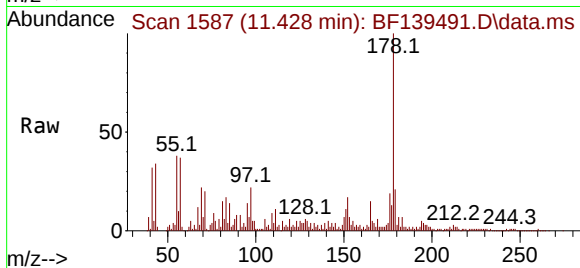
Tgt Ion:178 Resp: 170338

Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

179 21.3 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: BF139491.D

Acq: 20 Sep 2024 04:25

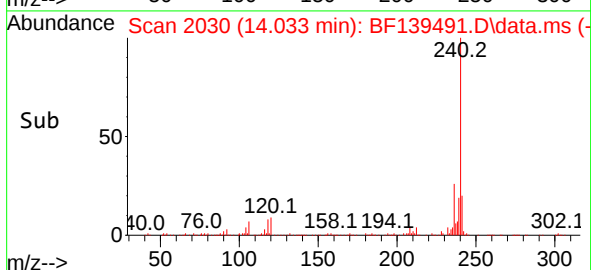
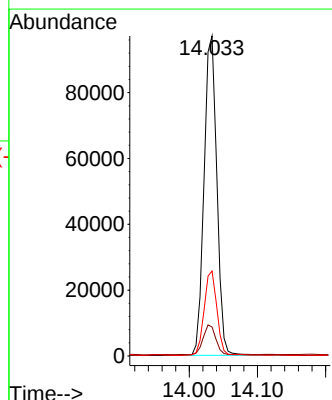
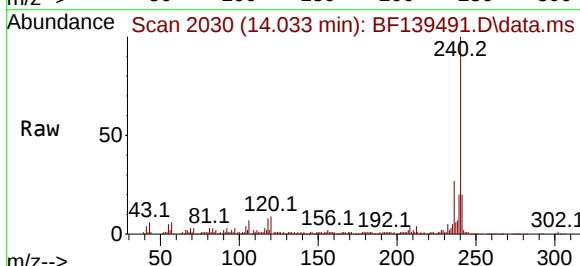
Tgt Ion:240 Resp: 126707

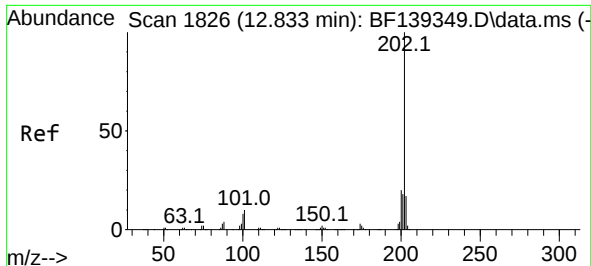
Ion Ratio Lower Upper

240 100

120 9.0 6.2 9.2

236 26.5 20.9 31.3

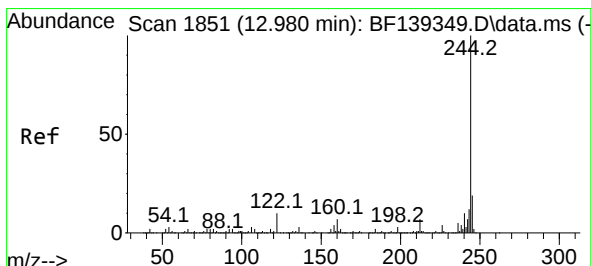
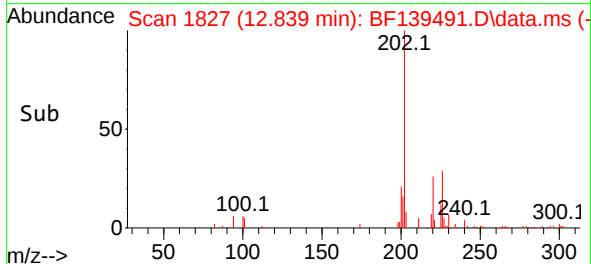
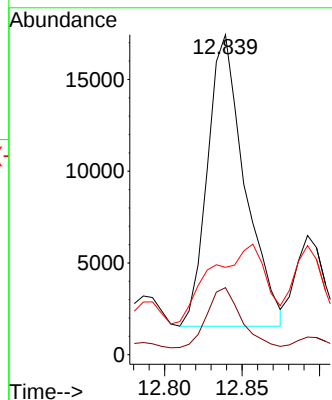
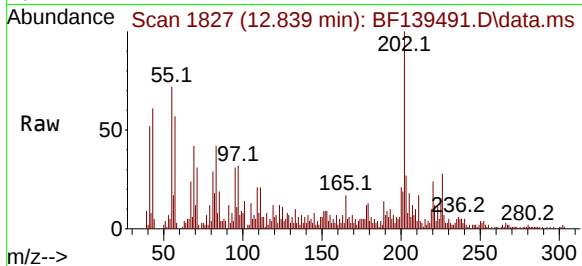




#78
 Pyrene
 Concen: 2.442 ng
 RT: 12.839 min Scan# 1826
 Delta R.T. 0.006 min
 Lab File: BF139491.D
 Acq: 20 Sep 2024 04:25

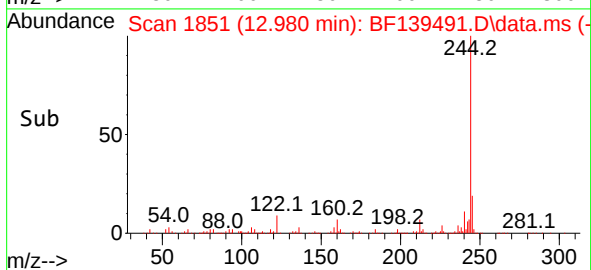
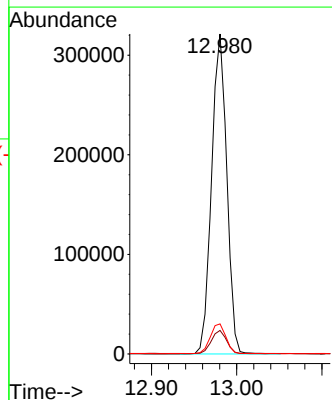
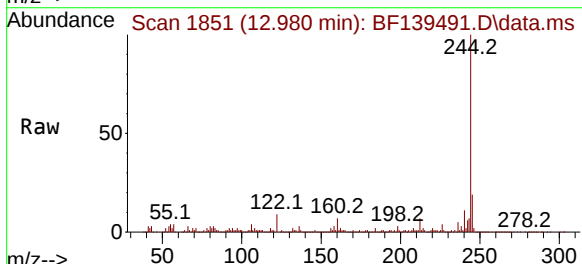
Instrument :
 BNA_F
 ClientSampleId :
 WC-14-5-7.5B

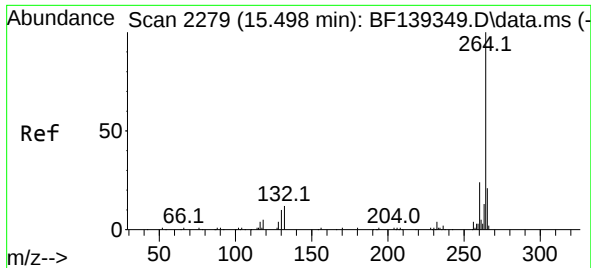
Tgt Ion:202 Resp: 26565
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.2 24.2
 203 27.3 13.9 20.9#



#79
 Terphenyl-d14
 Concen: 51.632 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF139491.D
 Acq: 20 Sep 2024 04:25

Tgt Ion:244 Resp: 398574
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 9.4 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF139491.D
 Acq: 20 Sep 2024 04:25

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

Tgt Ion:264 Resp: 125544
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 21.6 16.6 25.0

