

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140492.D
 Acq On : 20 Nov 2024 11:23
 Operator : RC/JU
 Sample : P4843-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 11:53:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	109415	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	404300	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	209765	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	331432	20.000	ng	0.00
76) Chrysene-d12	14.051	240	183045	20.000	ng	0.00
86) Perylene-d12	15.556	264	217669	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	433235	67.605	ng	0.01
7) Phenol-d6	6.510	99	358627	41.306	ng	0.00
23) Nitrobenzene-d5	7.433	82	723771	93.273	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	282329	135.348	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1275132	97.721	ng	0.00
79) Terphenyl-d14	12.986	244	984646	93.373	ng	0.00
Target Compounds					Qvalue	
9) Benzaldehyde	6.428	77	11528	2.215	ng	# 1
15) Benzyl Alcohol	7.016	79	21003	3.358	ng	94
18) Hexachloroethane	7.404	117	7793	2.737	ng	# 1
22) Acetophenone	7.275	105	31983	3.401	ng	# 91
25) Isophorone	7.433	82	715469	52.025	ng	# 67
27) 2,4-Dimethylphenol	7.939	122	81313	17.715	ng	# 12
31) Naphthalene	8.175	128	1103762	53.817	ng	99
32) Benzoic acid	7.939	122	81313	20.133	ng	95
33) 4-Chloroaniline	8.175	127	148018	20.752	ng	# 34
37) 2-Methylnaphthalene	8.863	142	142205	10.813	ng	100
38) 1-Methylnaphthalene	8.963	142	149663	11.622	ng	99
52) Acenaphthene	9.939	154	41979	3.534	ng	97
57) 2,4-Dinitrotoluene	9.910	165	29166	7.110	ng	# 24
58) Fluorene	10.457	166	27312	2.056	ng	98
67) 4-Bromophenyl-phenylether	10.704	248	18295	5.522	ng	# 1
71) Phenanthrene	11.421	178	58052	3.729	ng	100
72) Anthracene	11.421	178	58052	3.804	ng	100
74) Di-n-butylphthalate	11.957	149	946893	52.363	ng	100

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

ClientSampleId :

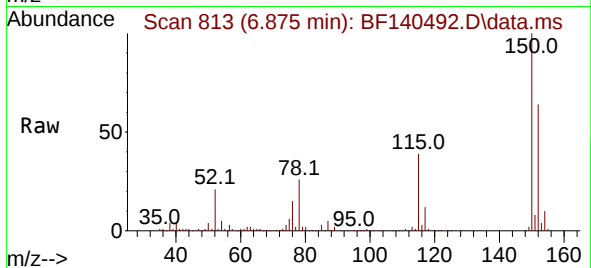
Response via : Initial Calibration



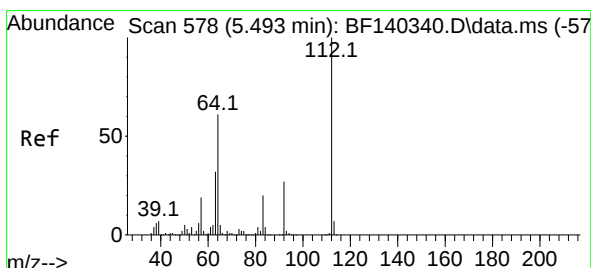
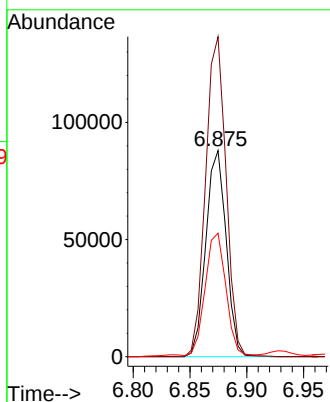
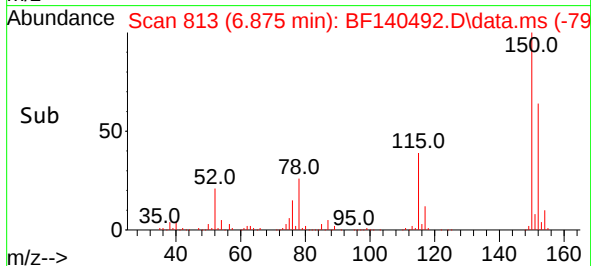


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Instrument :
BNA_F
ClientSampleId :

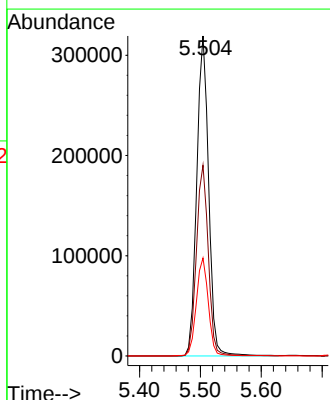
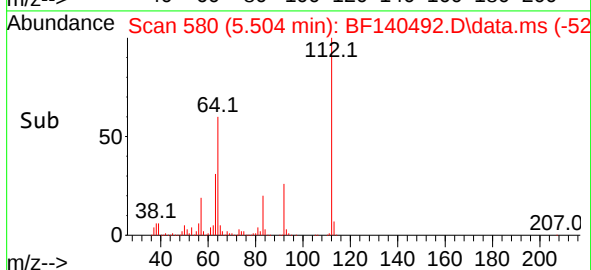
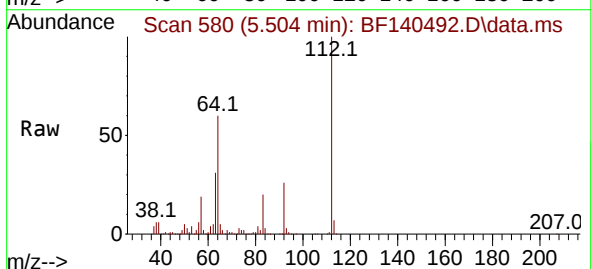


Tgt Ion:152 Resp: 109415
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.0
115 60.0 47.4 71.2



#5
2-Fluorophenol
Concen: 67.605 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:112 Resp: 433235
Ion Ratio Lower Upper
112 100
64 59.6 49.2 73.8
63 30.6 25.6 38.4





#7

Phenol-d6

Concen: 41.306 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140492.D

Acq: 20 Nov 2024 11:23

Instrument :

BNA_F

ClientSampleId :

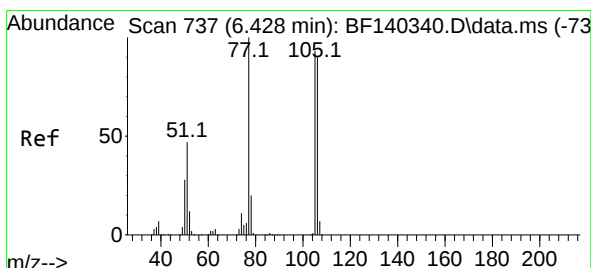
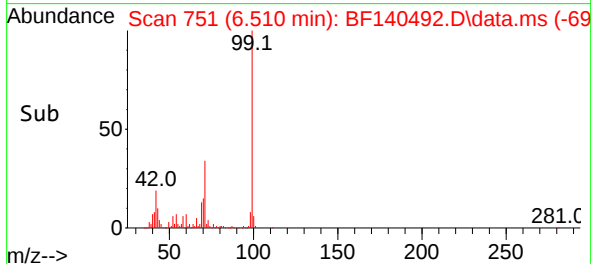
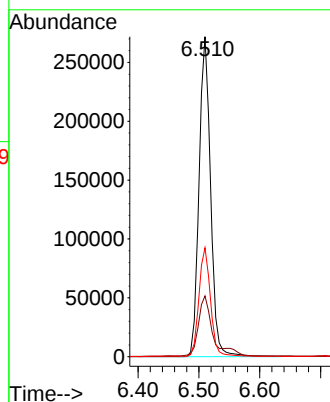
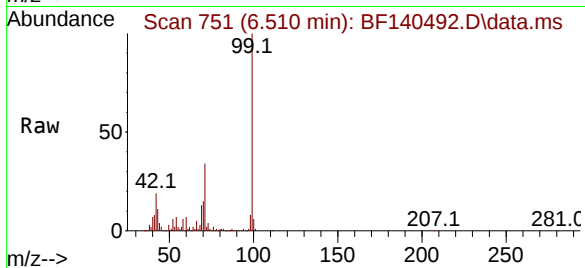
Tgt Ion: 99 Resp: 358627

Ion Ratio Lower Upper

99 100

42 19.0 15.1 22.7

71 34.0 27.9 41.9



#9

Benzaldehyde

Concen: 2.215 ng

RT: 6.428 min Scan# 737

Delta R.T. -0.000 min

Lab File: BF140492.D

Acq: 20 Nov 2024 11:23

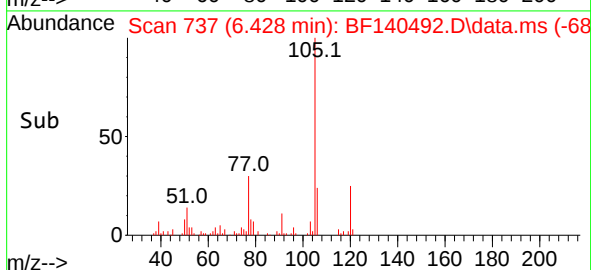
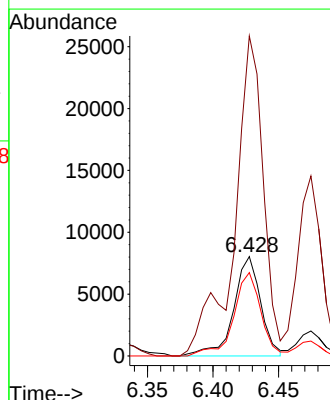
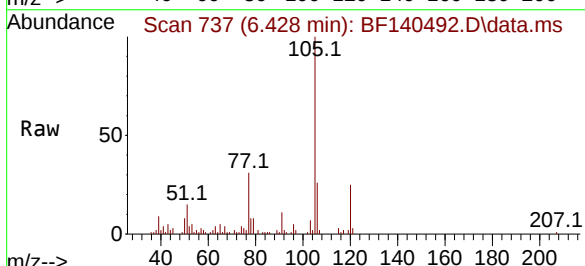
Tgt Ion: 77 Resp: 11528

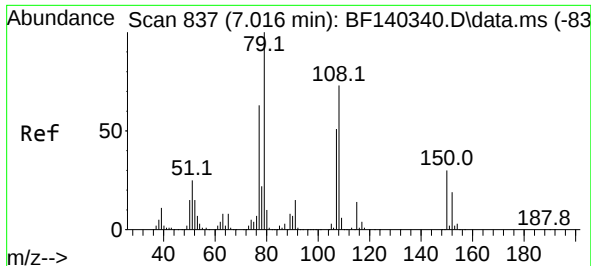
Ion Ratio Lower Upper

77 100

105 321.9 74.4 114.4#

106 83.8 69.9 109.9





#15

Benzyl Alcohol

Concen: 3.358 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140492.D

Acq: 20 Nov 2024 11:23

Instrument :

BNA_F

ClientSampleId :

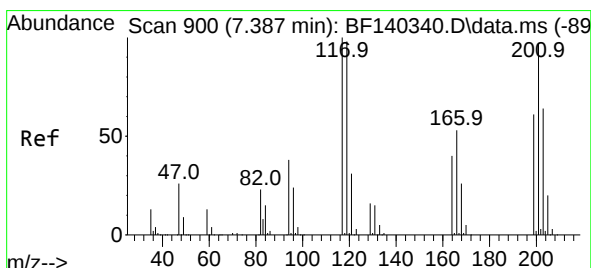
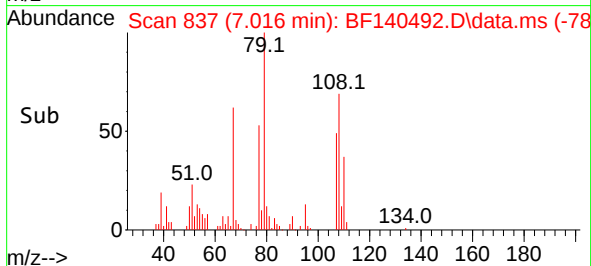
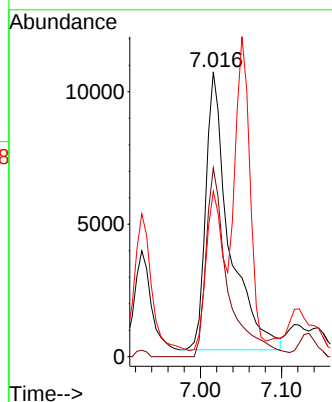
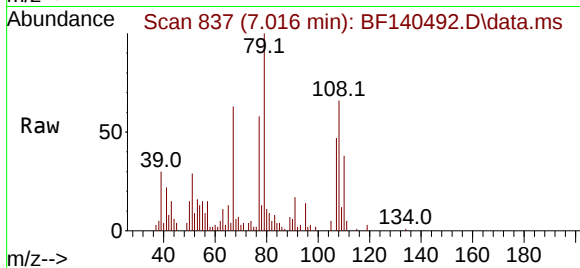
Tgt Ion: 79 Resp: 21003

Ion Ratio Lower Upper

79 100

108 66.3 57.8 86.6

77 58.0 49.8 74.6



#18

Hexachloroethane

Concen: 2.737 ng

RT: 7.404 min Scan# 903

Delta R.T. 0.012 min

Lab File: BF140492.D

Acq: 20 Nov 2024 11:23

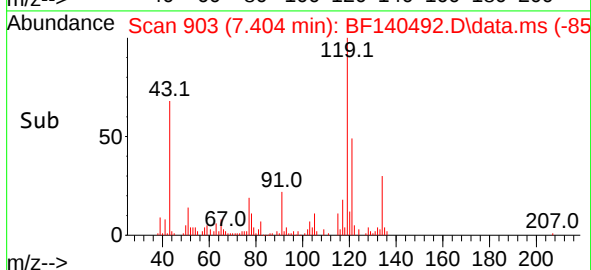
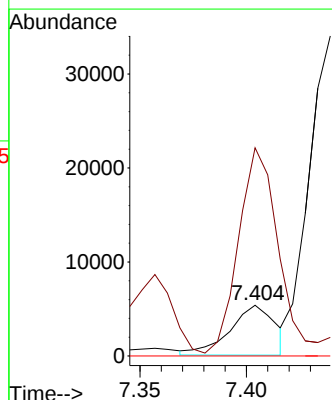
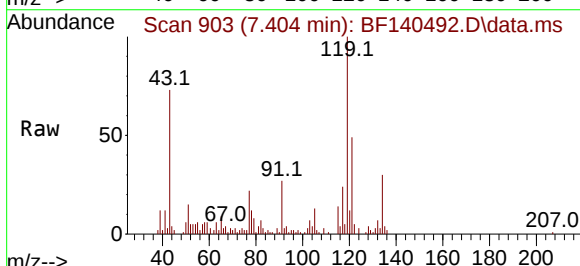
Tgt Ion: 117 Resp: 7793

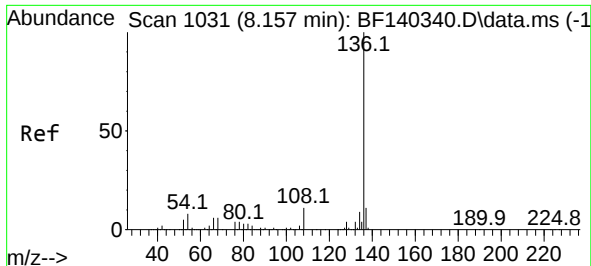
Ion Ratio Lower Upper

117 100

119 410.5 76.9 115.3#

201 0.0 80.2 120.4#



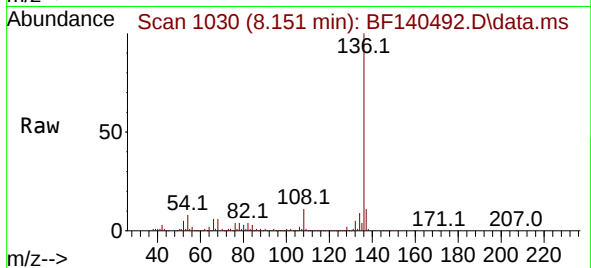


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

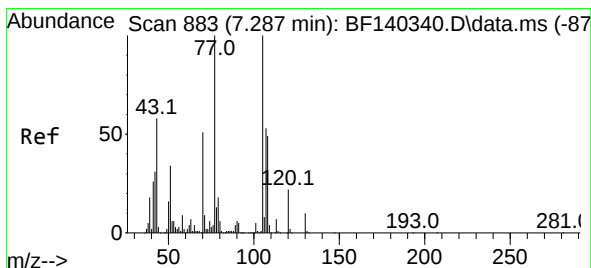
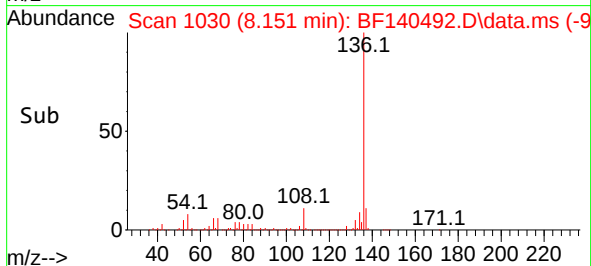
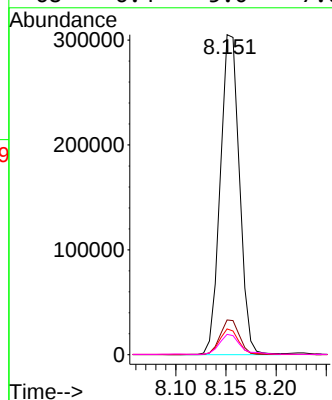
Instrument :

BNA_F

ClientSampleId :

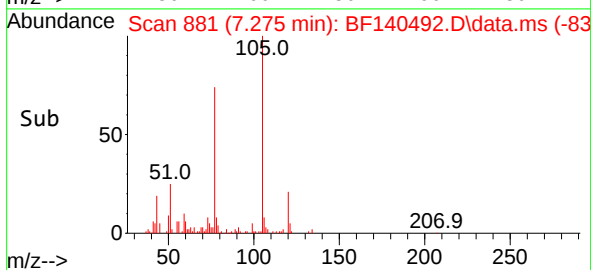
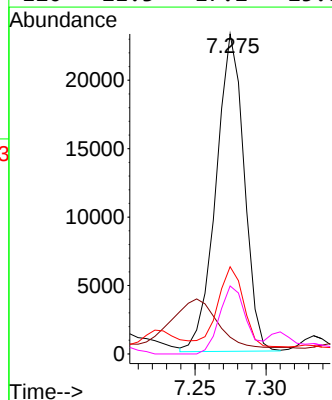
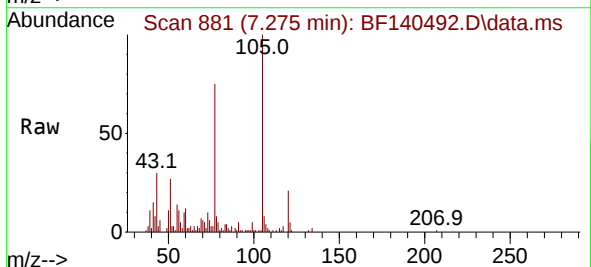


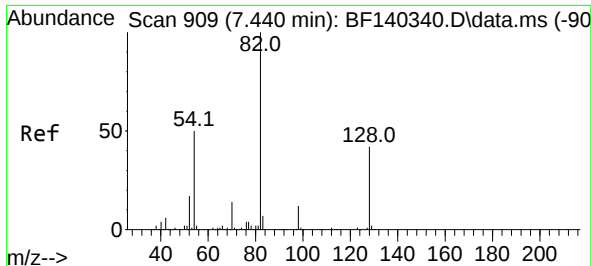
Tgt Ion:136 Resp: 404300
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.1 6.5 9.7
68 6.4 5.0 7.6



#22
Acetophenone
Concen: 3.401 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:105 Resp: 31983
Ion Ratio Lower Upper
105 100
71 5.3 6.9 10.3#
51 27.3 28.6 43.0#
120 21.3 17.2 25.8

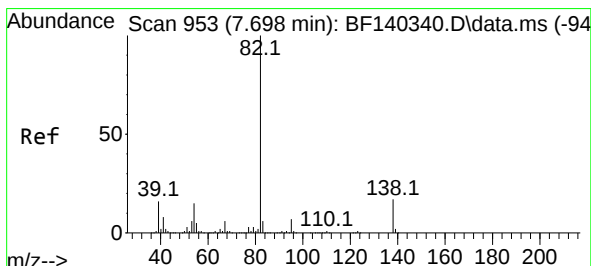
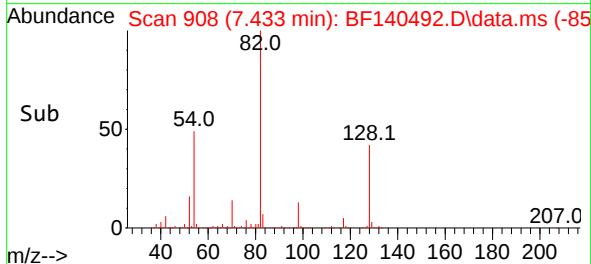
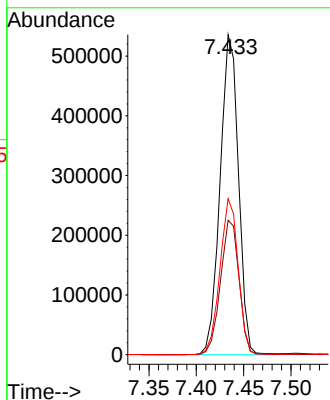
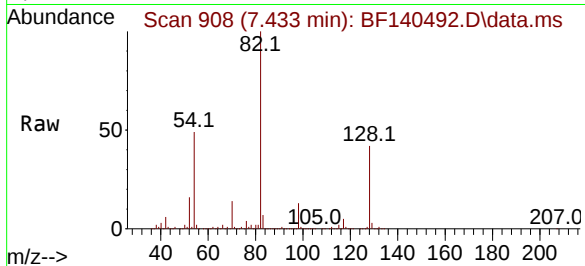




#23
Nitrobenzene-d5
Concen: 93.273 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

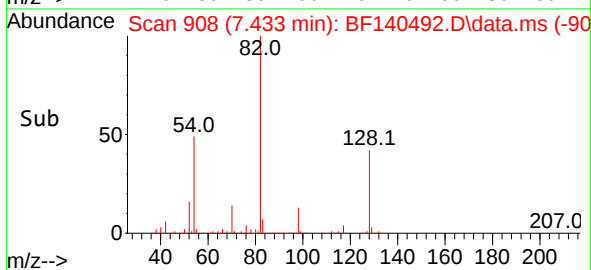
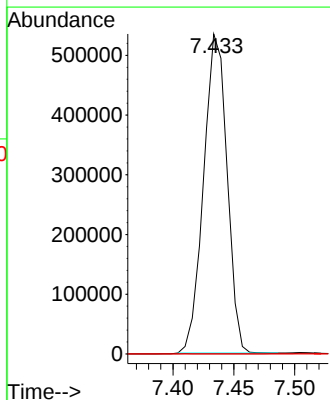
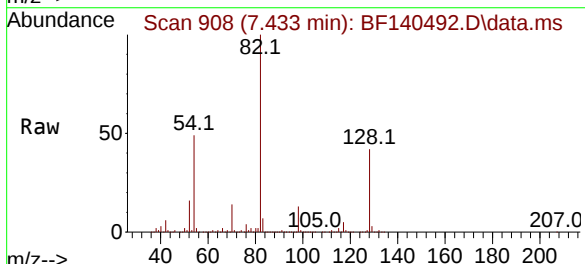
Instrument :
BNA_F
ClientSampleId :

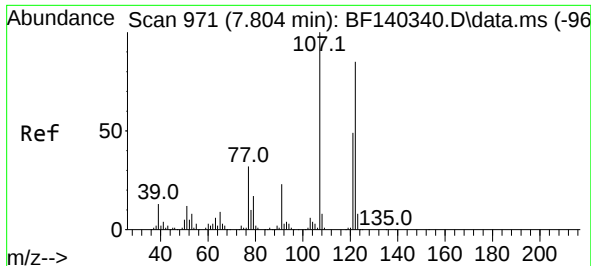
Tgt Ion: 82 Resp: 723771
Ion Ratio Lower Upper
82 100
128 42.0 33.3 49.9
54 48.7 39.8 59.8



#25
Isophorone
Concen: 52.025 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

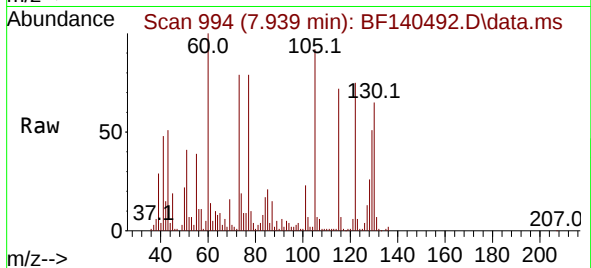
Tgt Ion: 82 Resp: 715469
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 13.4 20.2#



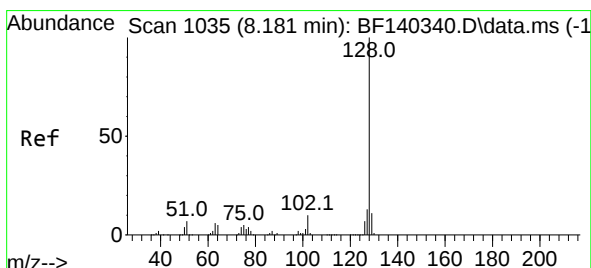
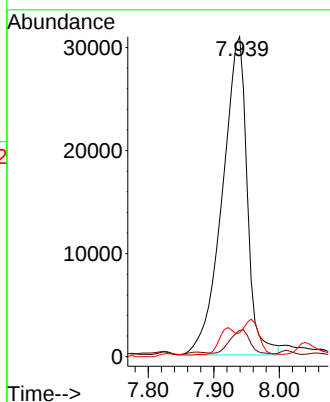
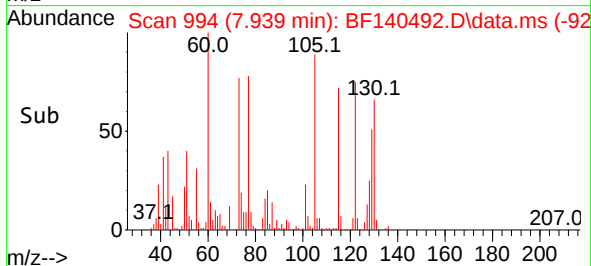


#27
2,4-Dimethylphenol
Concen: 17.715 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.129 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Instrument :
BNA_F
ClientSampleId :

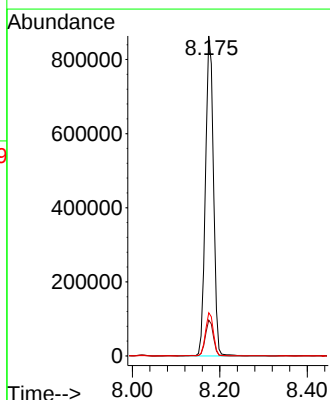
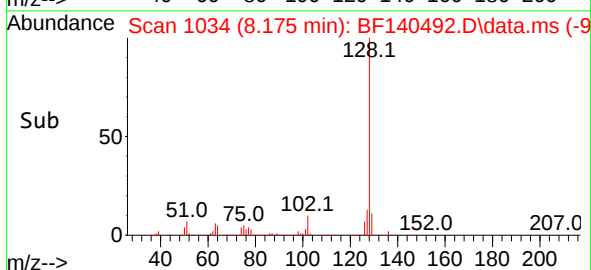
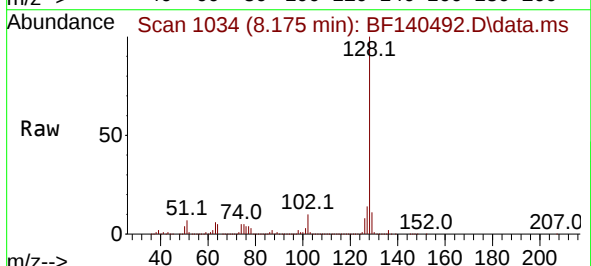


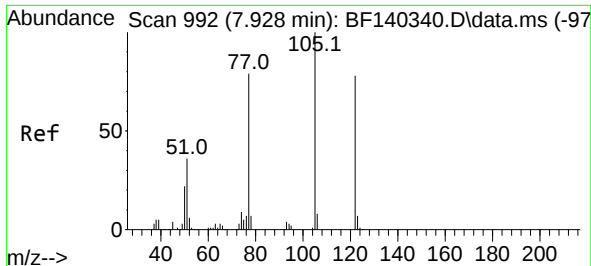
Tgt Ion:122 Resp: 81313
Ion Ratio Lower Upper
122 100
107 8.3 91.3 136.9#
121 7.5 45.5 68.3#



#31
Naphthalene
Concen: 53.817 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

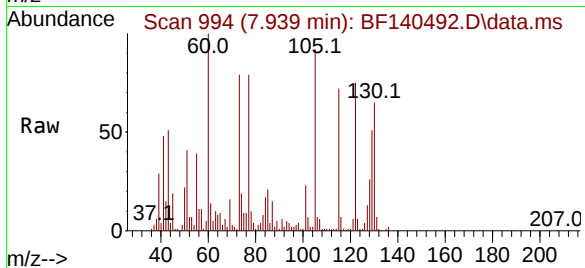
Tgt Ion:128 Resp: 1103762
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.5 10.6 15.8



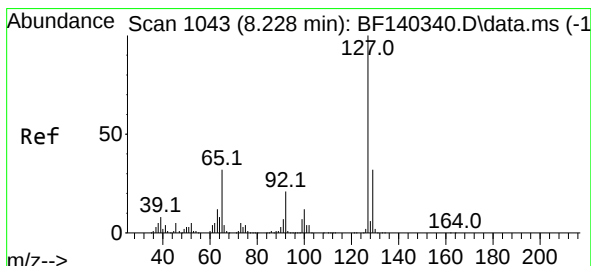
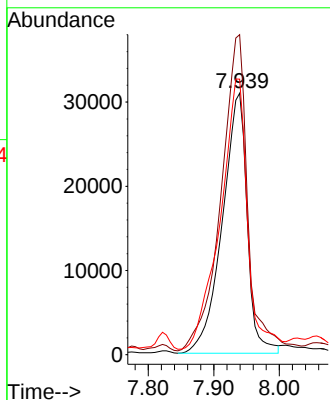
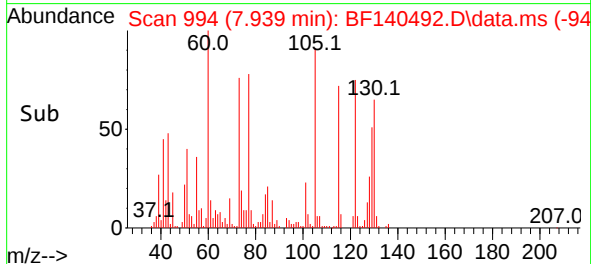


#32
Benzoic acid
Concen: 20.133 ng
RT: 7.939 min Scan# 992
Delta R.T. 0.012 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Instrument :
BNA_F
ClientSampleId :

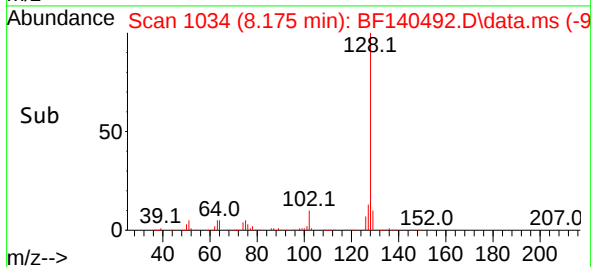
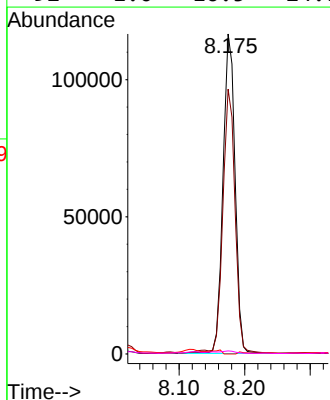
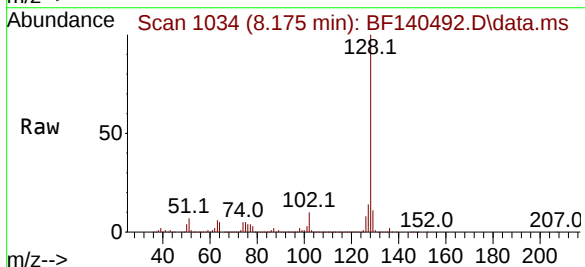


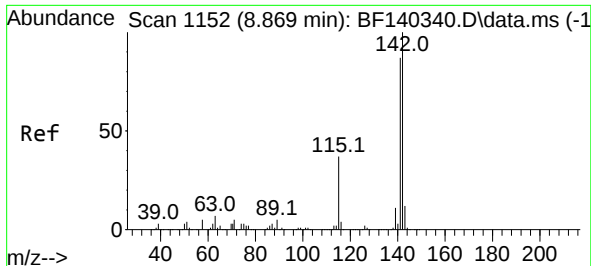
Tgt Ion:122 Resp: 81313
Ion Ratio Lower Upper
122 100
105 122.4 100.9 140.9
77 105.4 76.0 116.0



#33
4-Chloroaniline
Concen: 20.752 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.053 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:127 Resp: 148018
Ion Ratio Lower Upper
127 100
129 82.8 26.2 39.4#
65 0.0 25.8 38.6#
92 1.0 16.5 24.7#

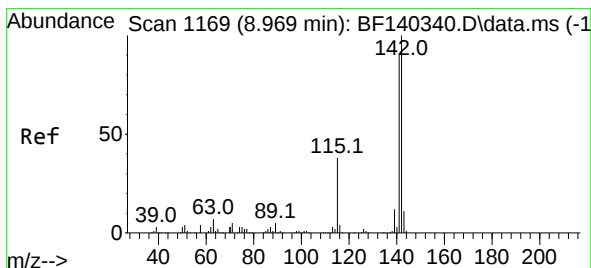
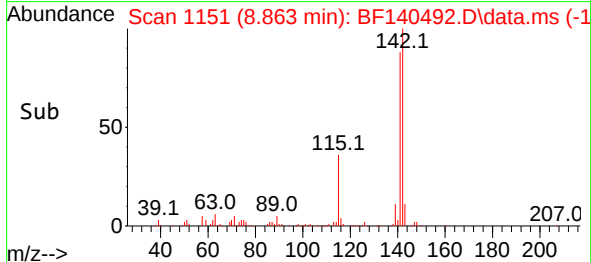
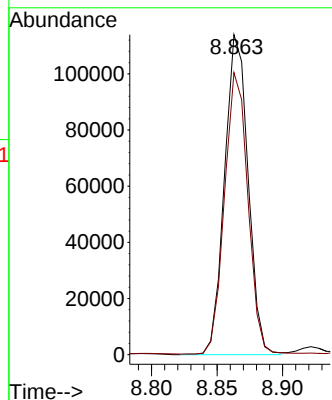
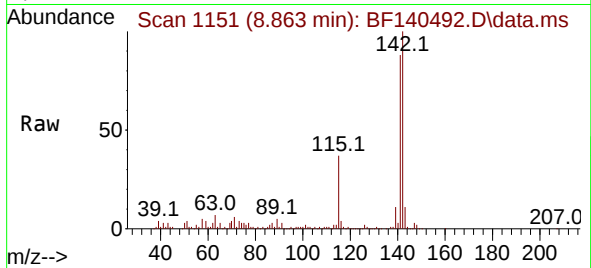




#37
2-Methylnaphthalene
Concen: 10.813 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

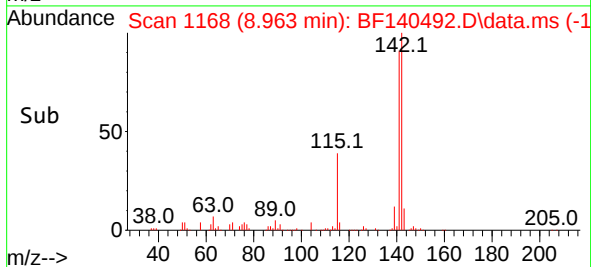
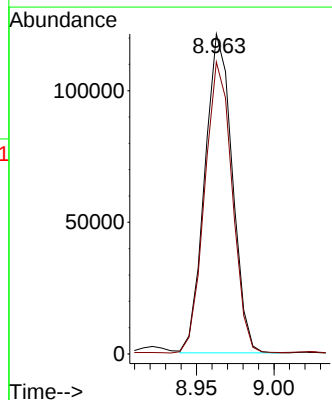
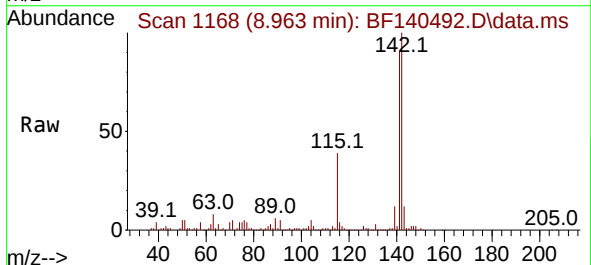
Instrument :
BNA_F
ClientSampleId :

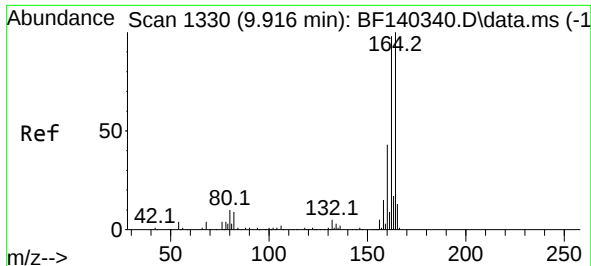
Tgt Ion:142 Resp: 142205
Ion Ratio Lower Upper
142 100
141 88.2 70.4 105.6



#38
1-Methylnaphthalene
Concen: 11.622 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:142 Resp: 149663
Ion Ratio Lower Upper
142 100
141 91.3 73.6 110.4

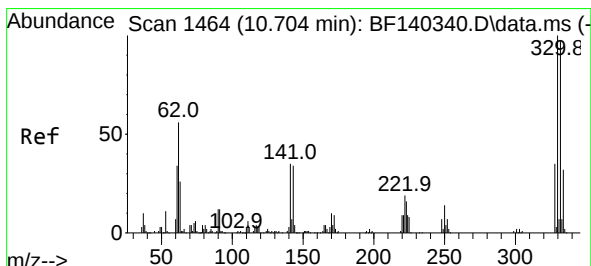
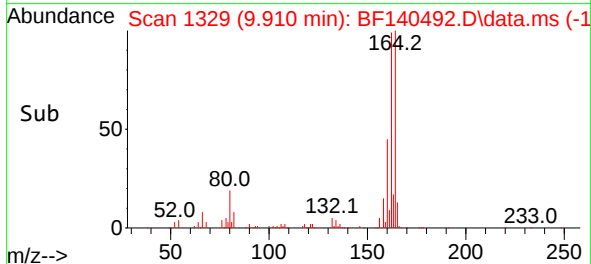
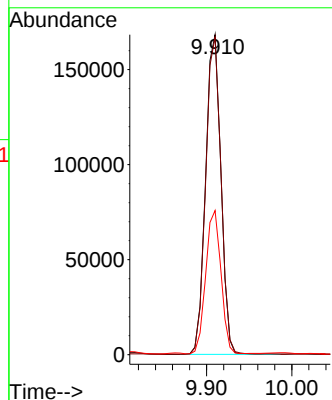
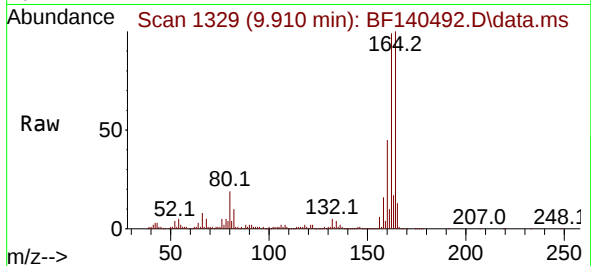




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

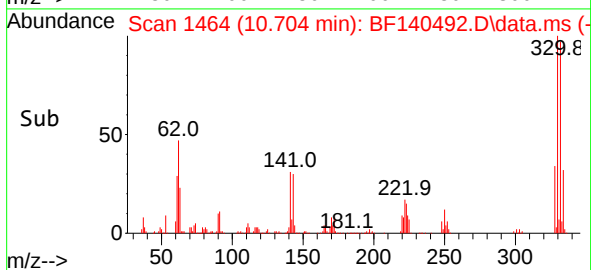
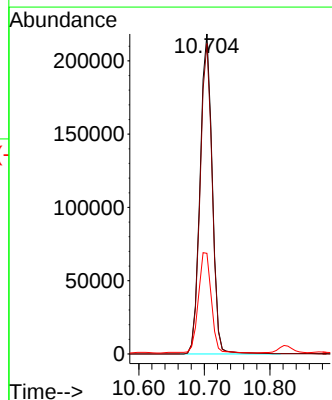
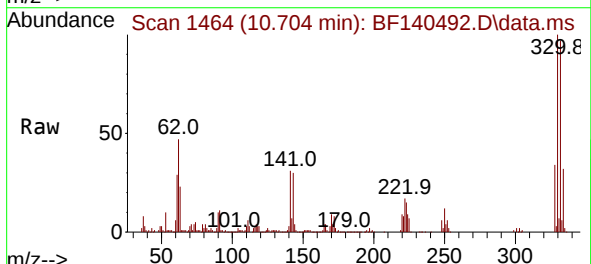
Instrument :
BNA_F
ClientSampleId :

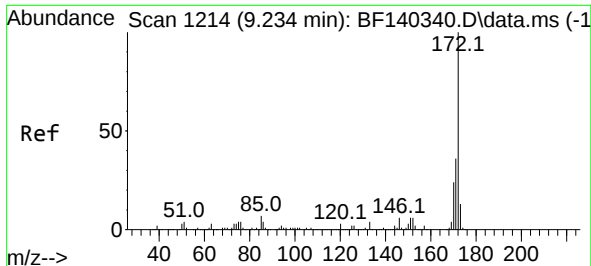
Tgt Ion:164 Resp: 209765
Ion Ratio Lower Upper
164 100
162 99.2 79.8 119.8
160 45.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 135.348 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

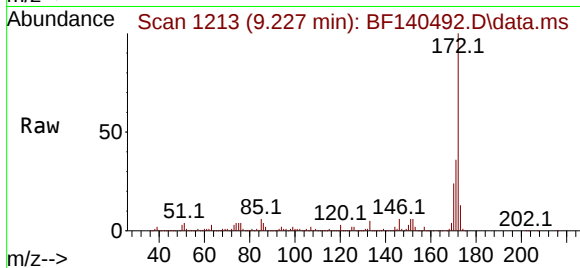
Tgt Ion:330 Resp: 282329
Ion Ratio Lower Upper
330 100
332 96.5 75.9 113.9
141 33.1 26.9 40.3



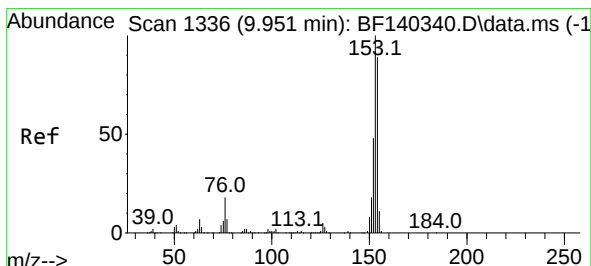
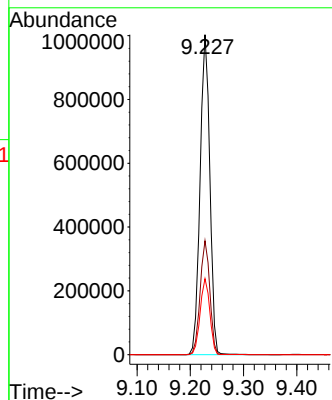
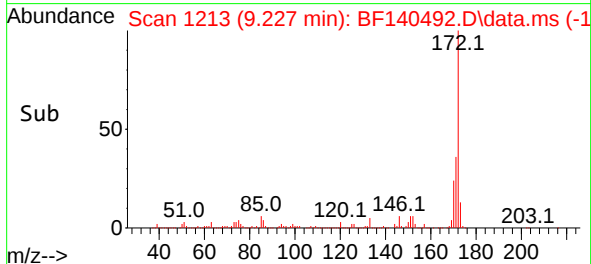


#45
2-Fluorobiphenyl
Concen: 97.721 ng
RT: 9.227 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

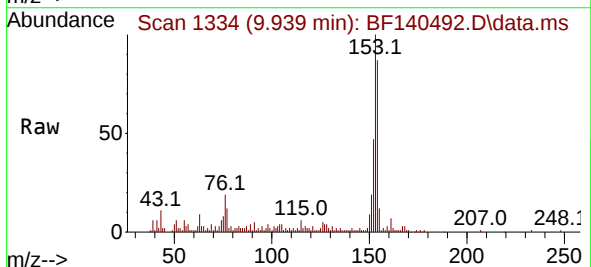
Instrument :
BNA_F
ClientSampleId :



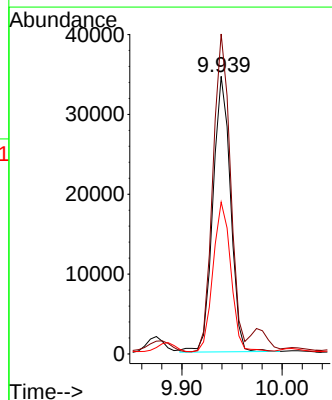
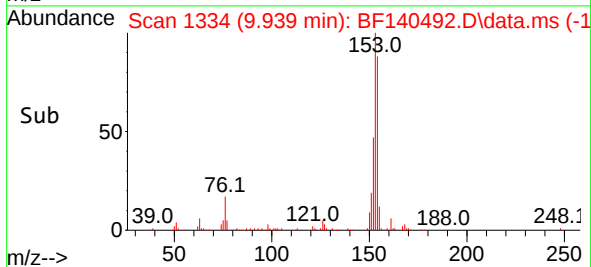
Tgt Ion:172 Resp: 1275132
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.8 19.1 28.7

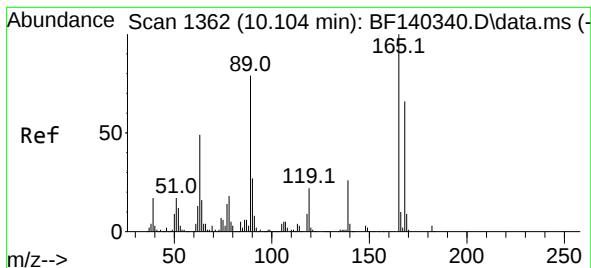


#52
Acenaphthene
Concen: 3.534 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23



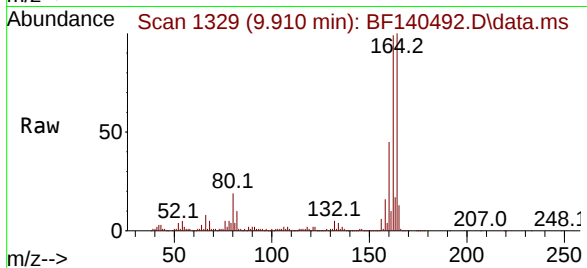
Tgt Ion:154 Resp: 41979
Ion Ratio Lower Upper
154 100
153 115.3 89.8 134.8
152 54.7 42.6 64.0



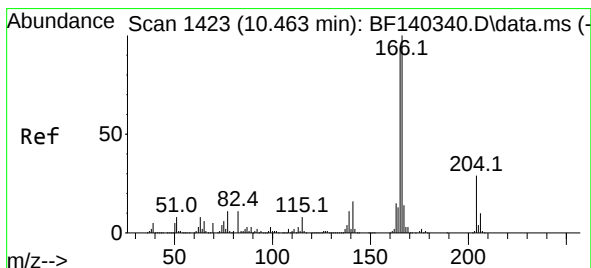
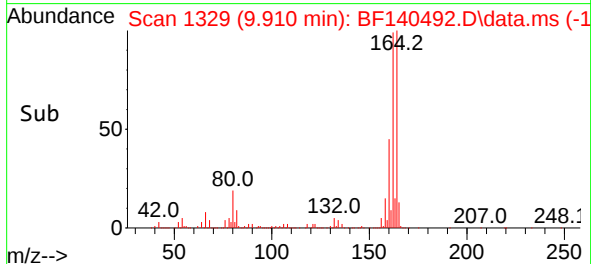
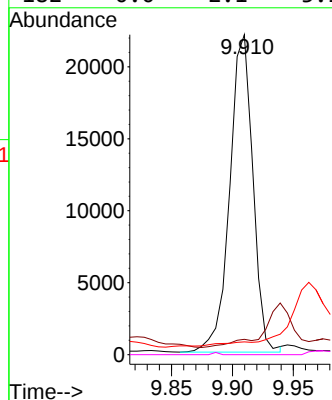


#57
2,4-Dinitrotoluene
Concen: 7.110 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Instrument :
BNA_F
ClientSampleId :

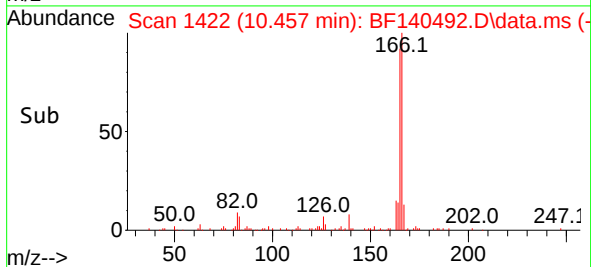
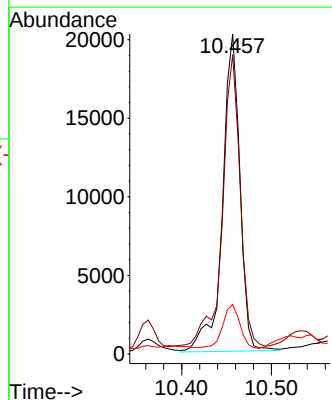
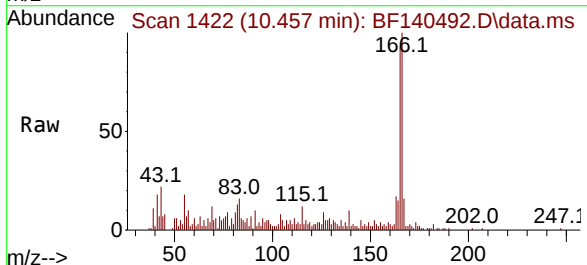


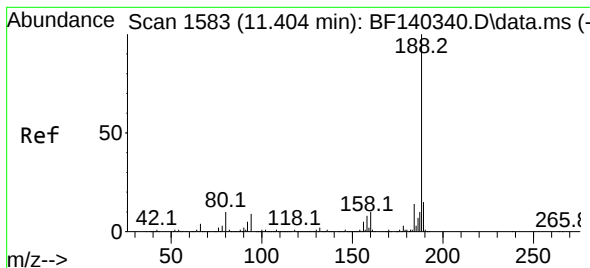
Tgt Ion:165 Resp: 29166
Ion Ratio Lower Upper
165 100
63 4.8 39.4 59.0#
89 4.0 62.4 93.6#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 2.056 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:166 Resp: 27312
Ion Ratio Lower Upper
166 100
165 93.5 73.9 110.9
167 15.5 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140492.D

Acq: 20 Nov 2024 11:23

Instrument :

BNA_F

ClientSampleId :

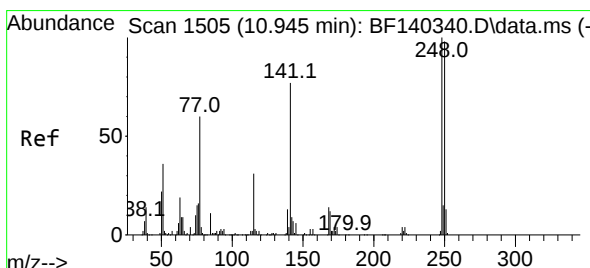
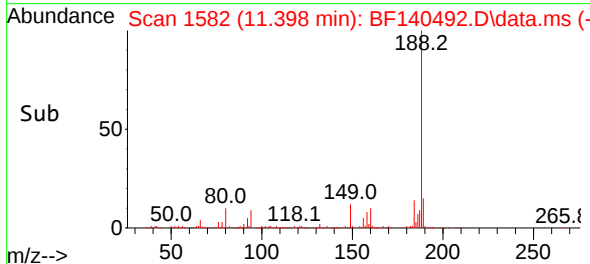
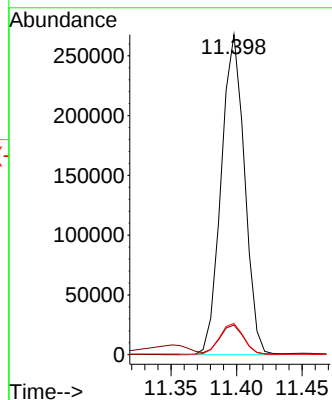
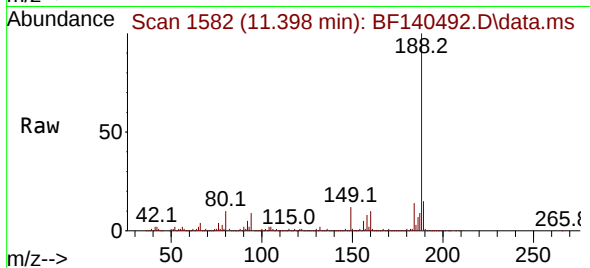
Tgt Ion:188 Resp: 331432

Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 9.8 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 5.522 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF140492.D

Acq: 20 Nov 2024 11:23

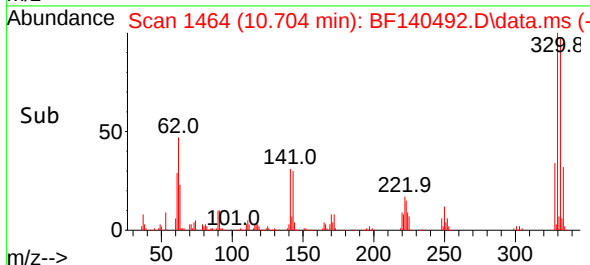
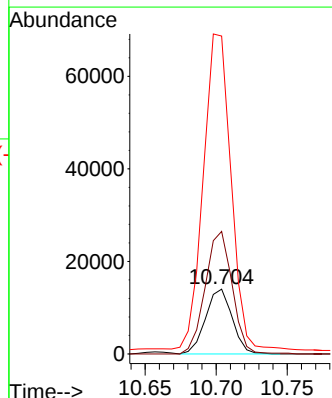
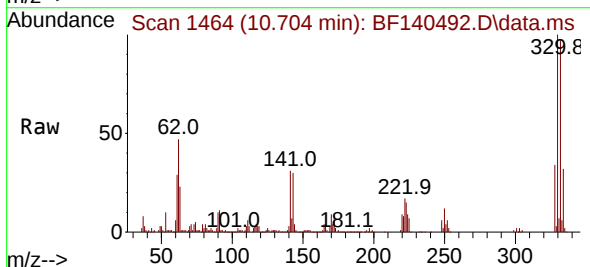
Tgt Ion:248 Resp: 18295

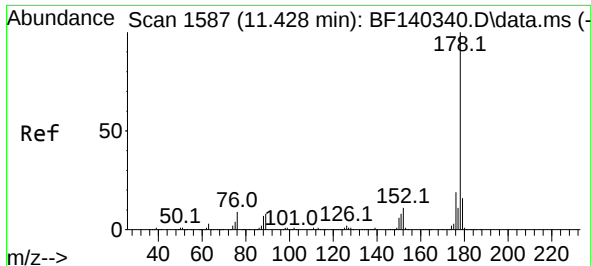
Ion Ratio Lower Upper

248 100

250 189.2 77.9 116.9#

141 490.4 61.8 92.6#

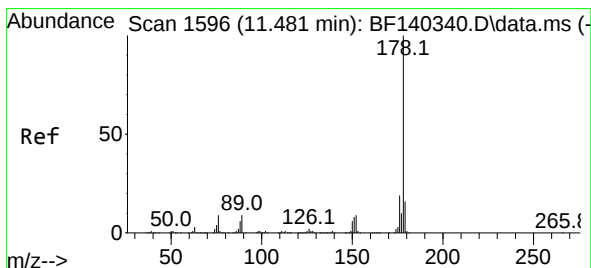
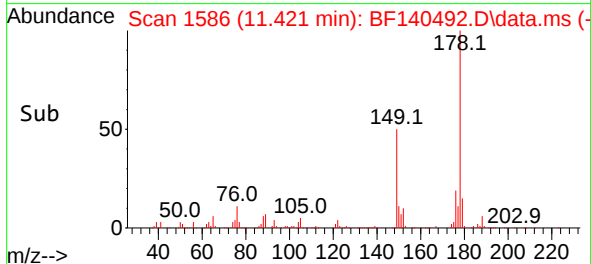
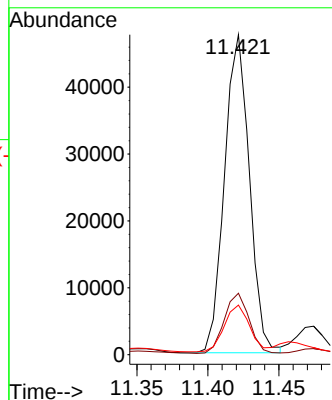
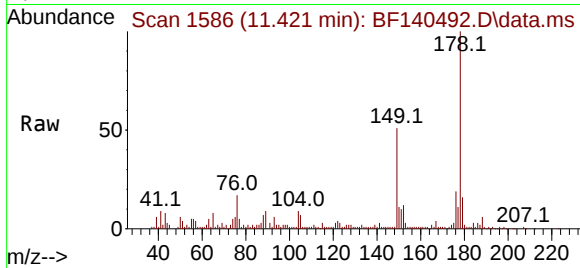




#71
Phenanthrene
Concen: 3.729 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

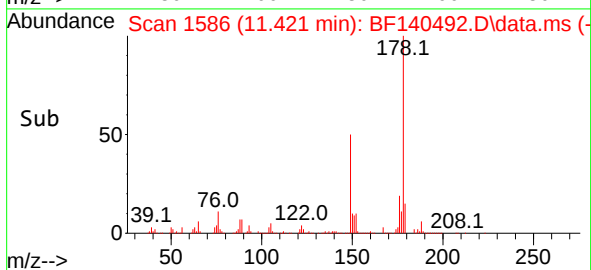
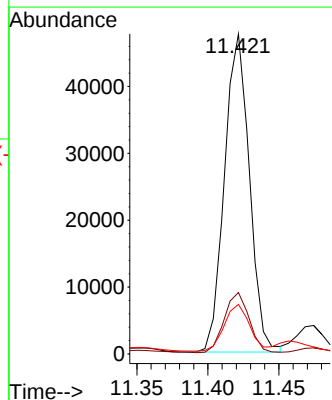
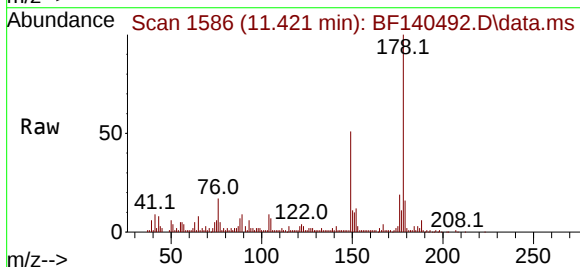
Instrument :
BNA_F
ClientSampleId :

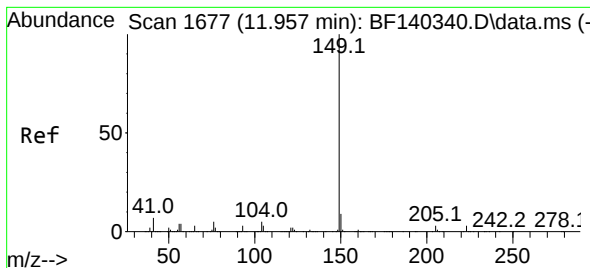
Tgt Ion:178 Resp: 58052
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.4 18.6



#72
Anthracene
Concen: 3.804 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.059 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

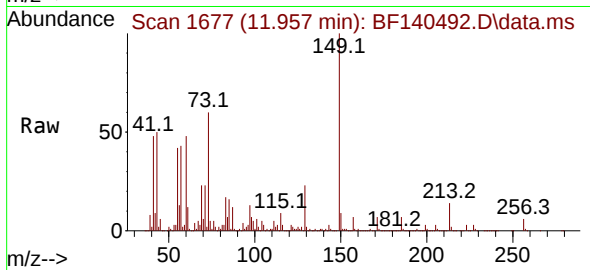
Tgt Ion:178 Resp: 58052
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.6 18.8



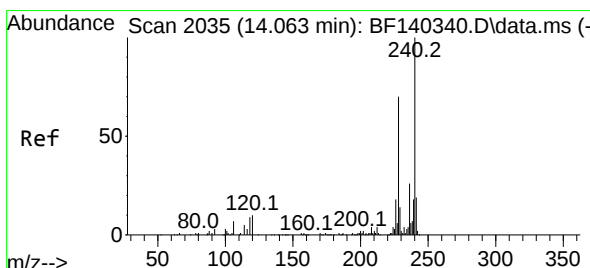
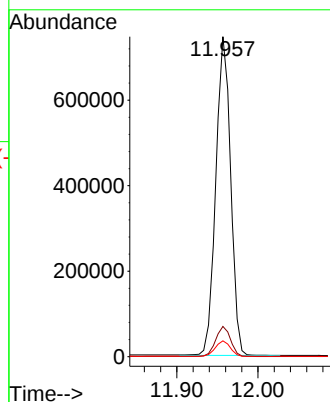
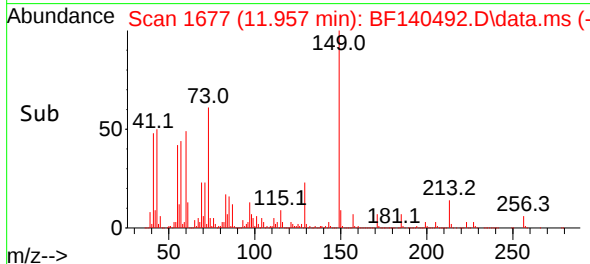


#74
Di-n-butylphthalate
Concen: 52.363 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Instrument :
BNA_F
ClientSampleId :

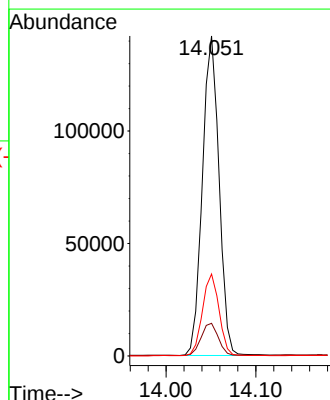
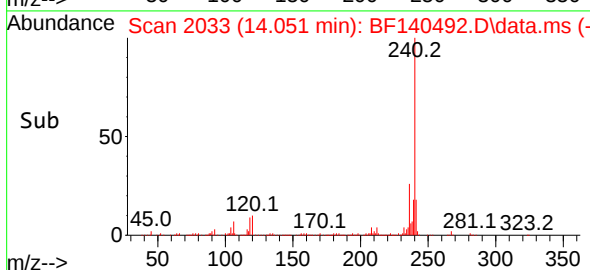
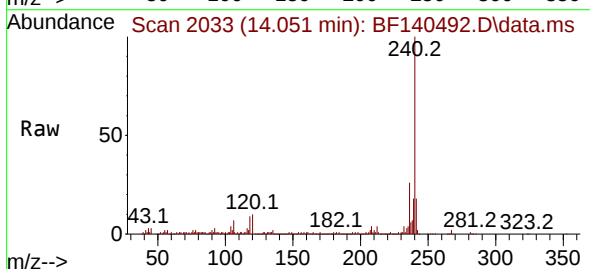


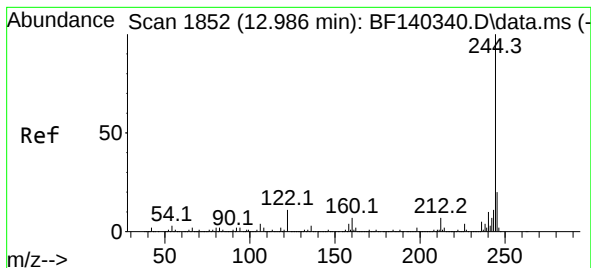
Tgt Ion:149 Resp: 946893
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.9 4.0 6.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:240 Resp: 183045
Ion Ratio Lower Upper
240 100
120 10.2 8.8 13.2
236 25.6 20.9 31.3





#79

Terphenyl-d14

Concen: 93.373 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF140492.D

Acq: 20 Nov 2024 11:23

Instrument :

BNA_F

ClientSampleId :

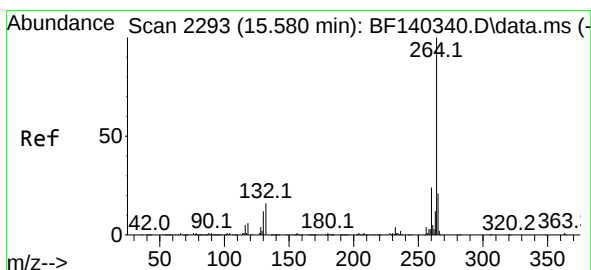
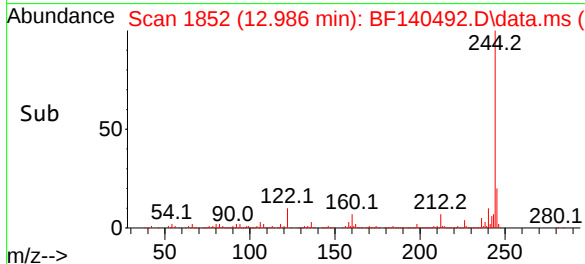
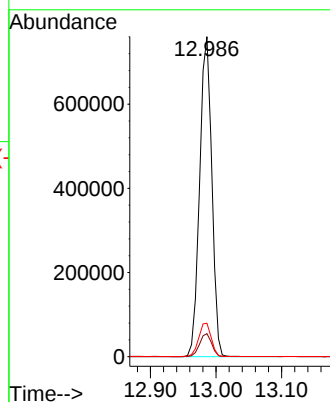
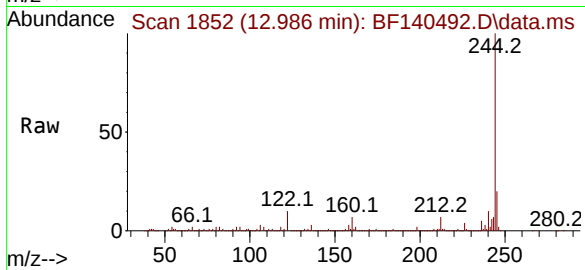
Tgt Ion:244 Resp: 984646

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.4 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 2289

Delta R.T. -0.000 min

Lab File: BF140492.D

Acq: 20 Nov 2024 11:23

Tgt Ion:264 Resp: 217669

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.8 17.1 25.7

