

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136872.D
 Acq On : 02 Jan 2024 15:35
 Operator : CG\JU
 Sample : 06038-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-402

Quant Time: Jan 02 16:20:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

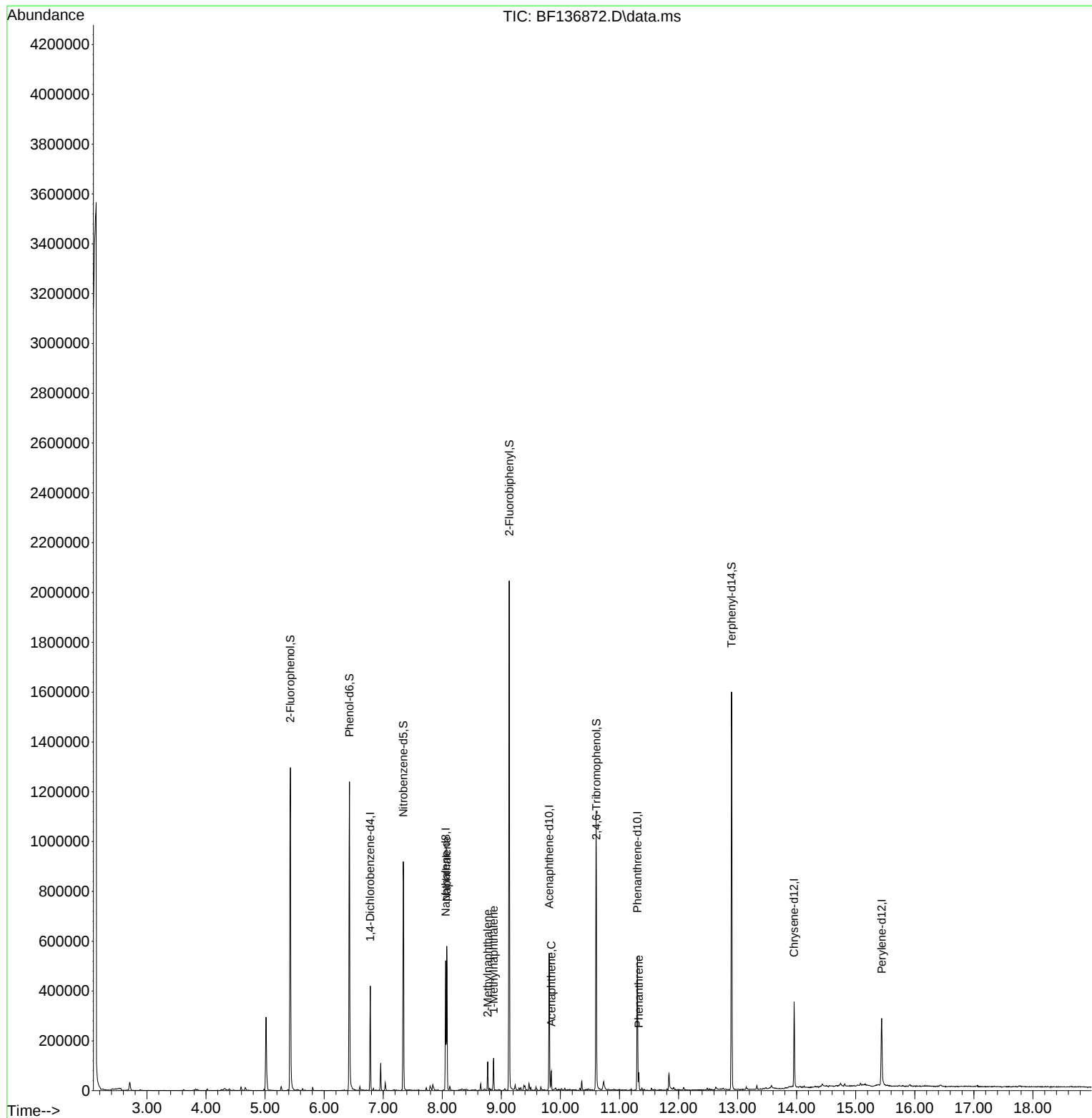
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	56189	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	209875	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	104780	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	183120	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	114019	20.000	ng	-0.01
86) Perylene-d12	15.439	264	133826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	359680	99.878	ng	0.00
7) Phenol-d6	6.428	99	408769	87.601	ng	-0.01
23) Nitrobenzene-d5	7.340	82	296461	72.282	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	140288	113.684	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	604643	77.614	ng	-0.02
79) Terphenyl-d14	12.898	244	586312	71.861	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.075	128	241491	20.945	ng	100
37) 2-Methylnaphthalene	8.769	142	27418	3.695	ng	90
38) 1-Methylnaphthalene	8.869	142	33375	4.584	ng	93
52) Acenaphthene	9.845	154	15759	2.488	ng	96
71) Phenanthrene	11.328	178	24792	2.639	ng	97

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

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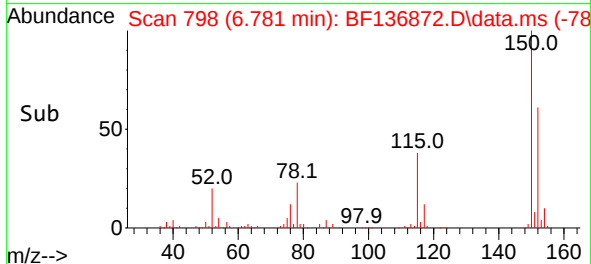
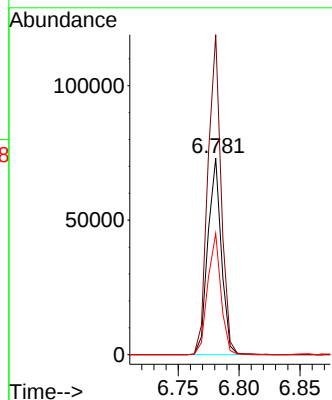
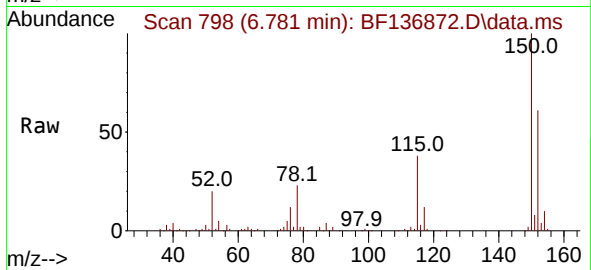




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

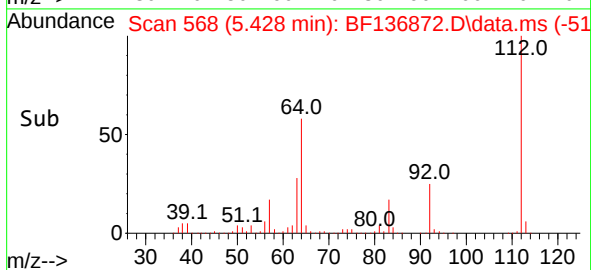
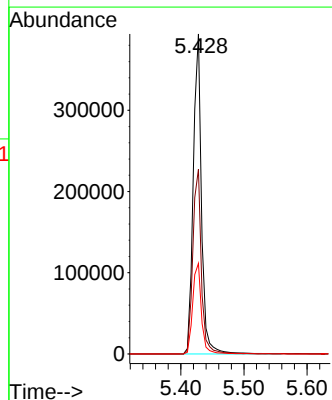
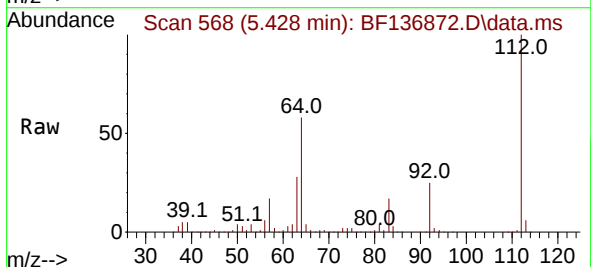
Instrument :
BNA_F
ClientSampleId :
T-402

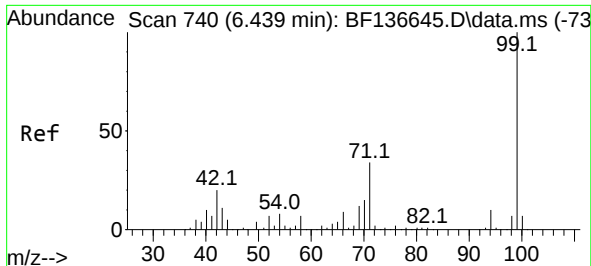
Tgt Ion:152 Resp: 56189
Ion Ratio Lower Upper
152 100
150 162.7 127.0 190.6
115 61.6 49.0 73.4



#5
2-Fluorophenol
Concen: 99.878 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

Tgt Ion:112 Resp: 359680
Ion Ratio Lower Upper
112 100
64 57.7 51.1 76.7
63 28.3 26.1 39.1

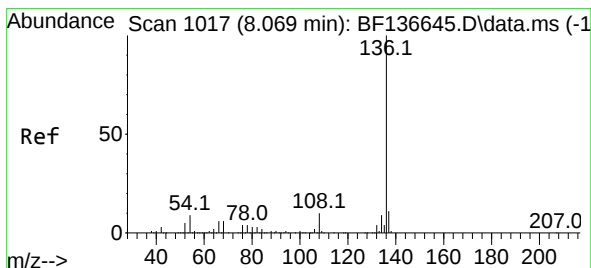
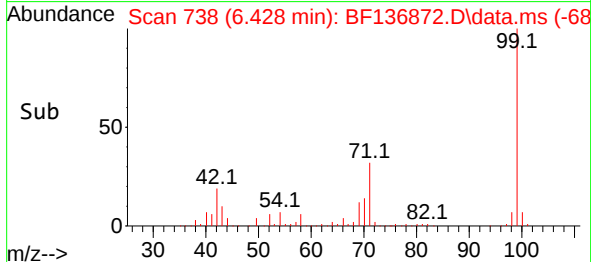
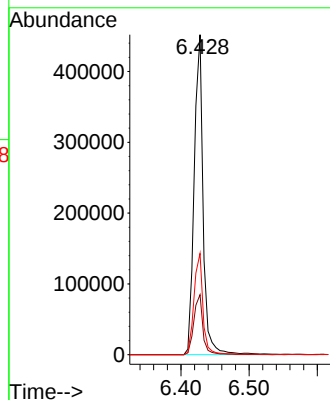
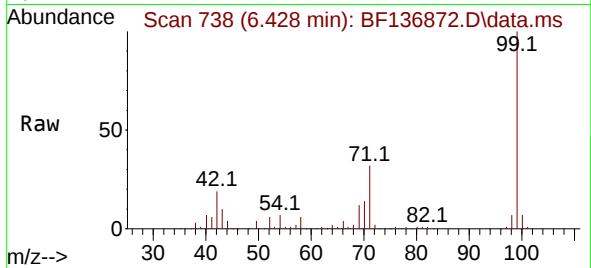




#7
Phenol-d6
Concen: 87.601 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

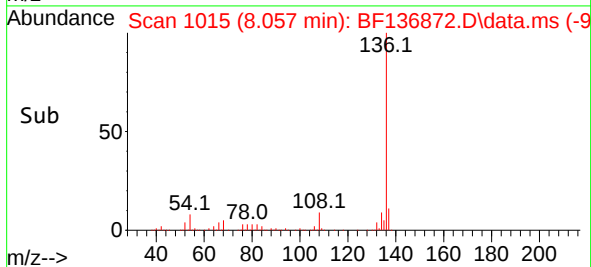
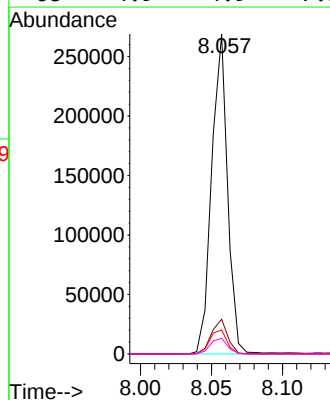
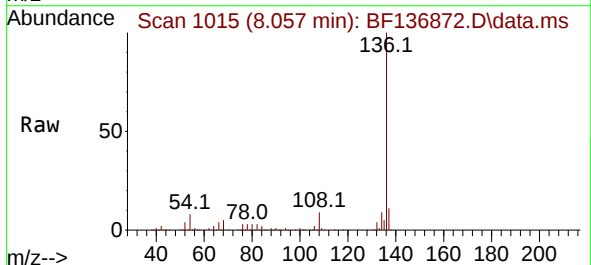
Instrument :
BNA_F
ClientSampleId :
T-402

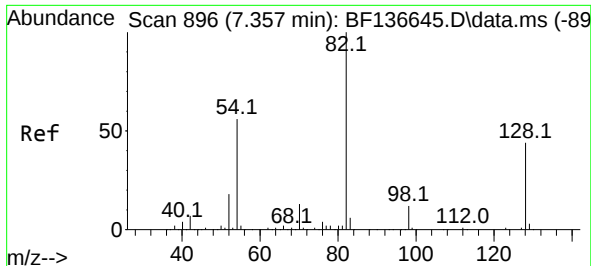
Tgt Ion: 99 Resp: 408769
Ion Ratio Lower Upper
99 100
42 18.7 16.1 24.1
71 31.6 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

Tgt Ion: 136 Resp: 209875
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 7.5 7.2 10.8
68 4.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 72.282 ng

RT: 7.340 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF136872.D

Acq: 02 Jan 2024 15:35

Instrument :

BNA_F

ClientSampleId :

T-402

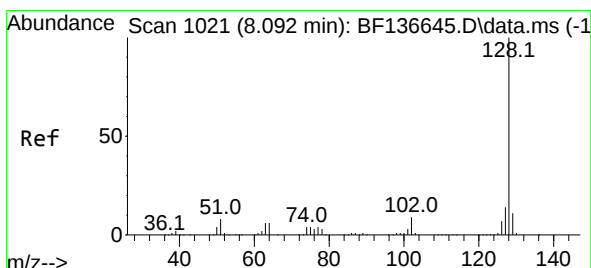
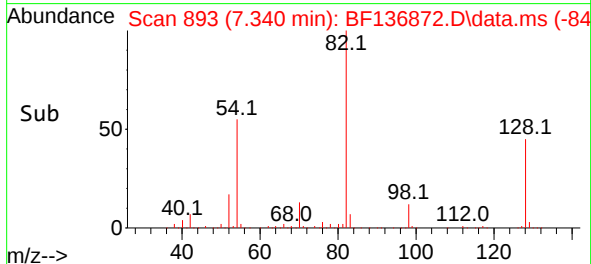
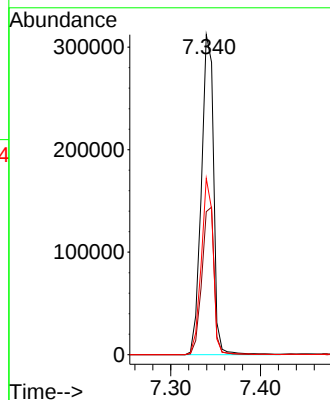
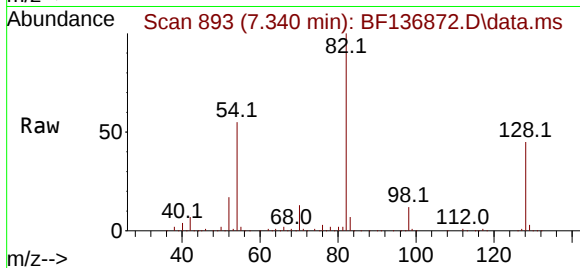
Tgt Ion: 82 Resp: 296461

Ion Ratio Lower Upper

82 100

128 44.7 35.3 52.9

54 55.1 44.5 66.7



#31

Naphthalene

Concen: 20.945 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.017 min

Lab File: BF136872.D

Acq: 02 Jan 2024 15:35

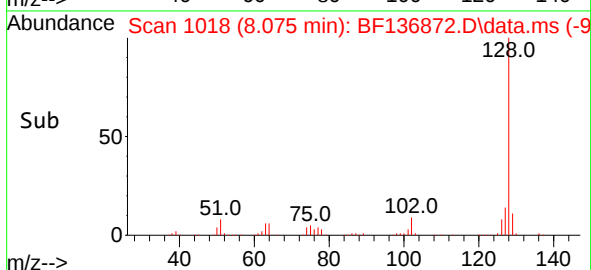
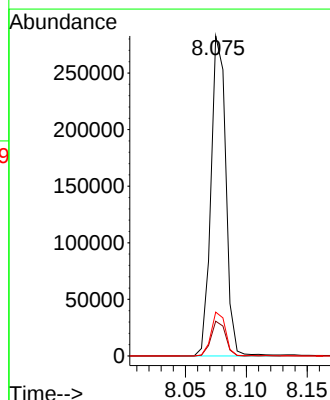
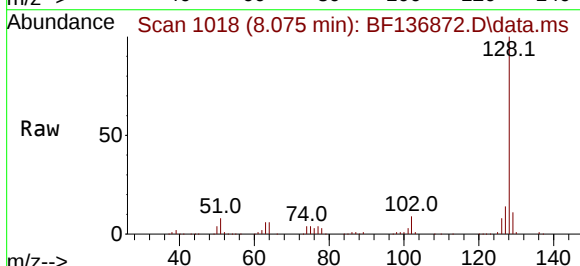
Tgt Ion: 128 Resp: 241491

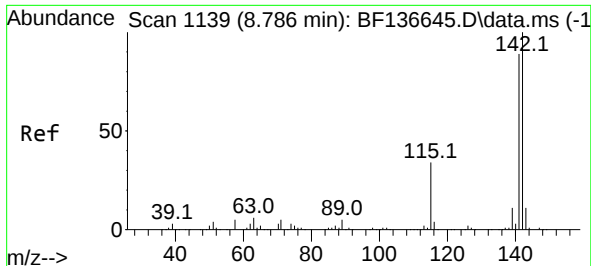
Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.7 10.8 16.2

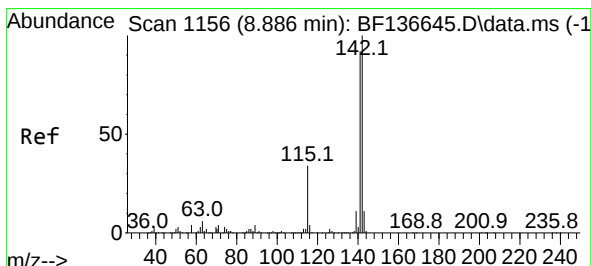
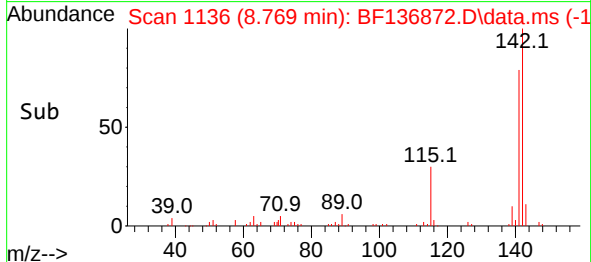
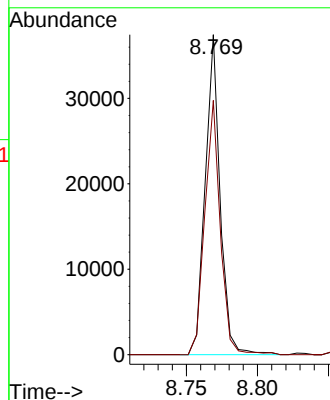
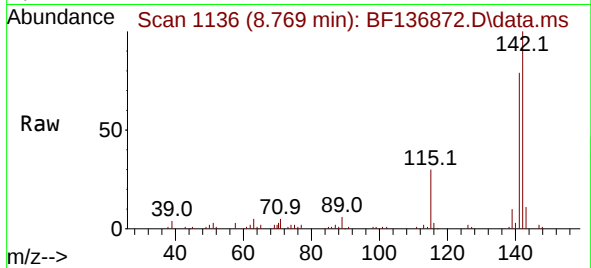




#37
2-Methylnaphthalene
Concen: 3.695 ng
RT: 8.769 min Scan# 1136
Delta R.T. -0.017 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

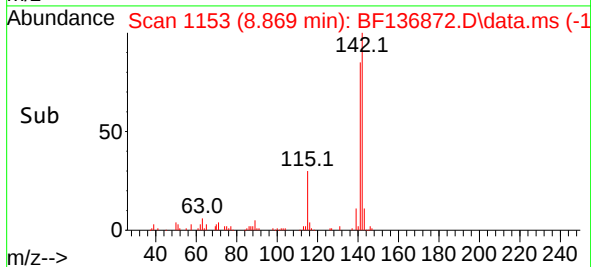
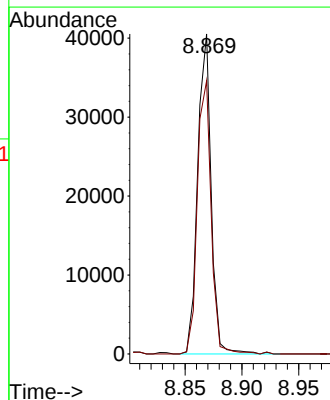
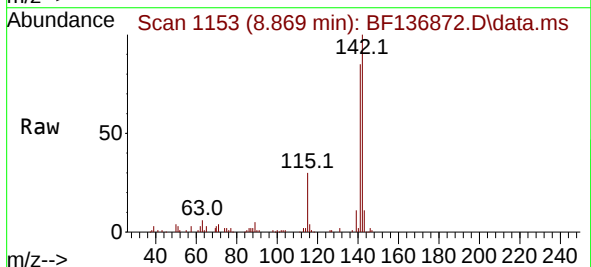
Instrument :
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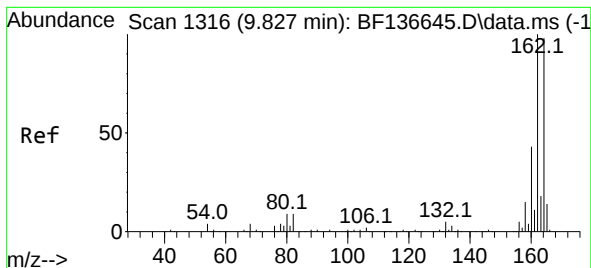
Tgt Ion:142 Resp: 27418
Ion Ratio Lower Upper
142 100
141 79.4 71.1 106.7



#38
1-Methylnaphthalene
Concen: 4.584 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.017 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

Tgt Ion:142 Resp: 33375
Ion Ratio Lower Upper
142 100
141 85.4 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF136872.D

Acq: 02 Jan 2024 15:35

Instrument :

BNA_F

ClientSampleId :

T-402

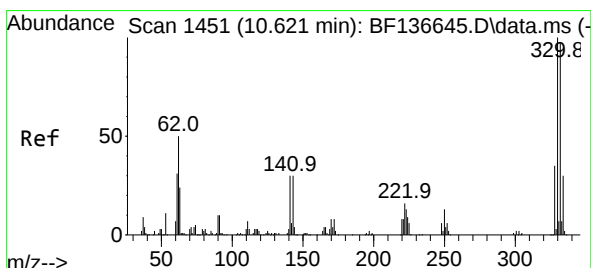
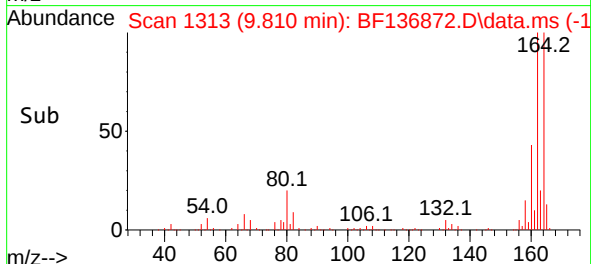
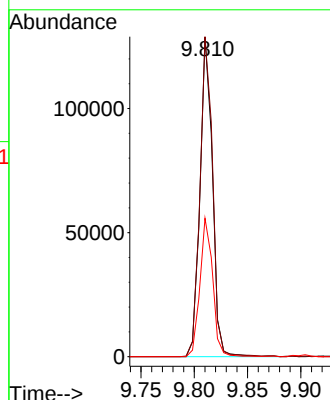
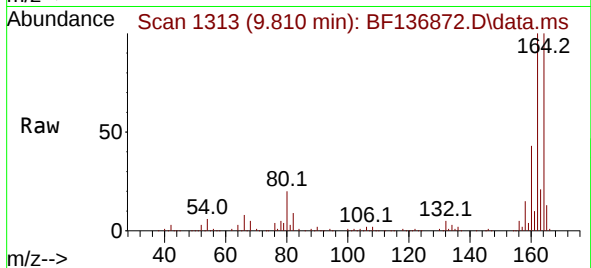
Tgt Ion:164 Resp: 104780

Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

160 43.4 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 113.684 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136872.D

Acq: 02 Jan 2024 15:35

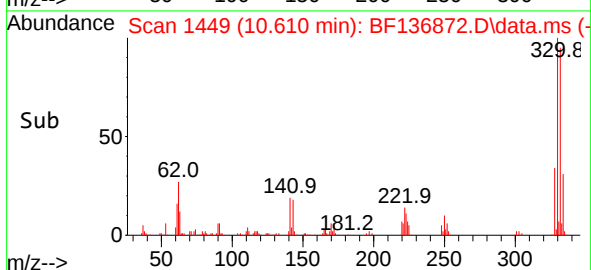
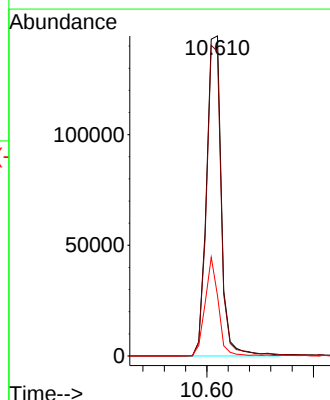
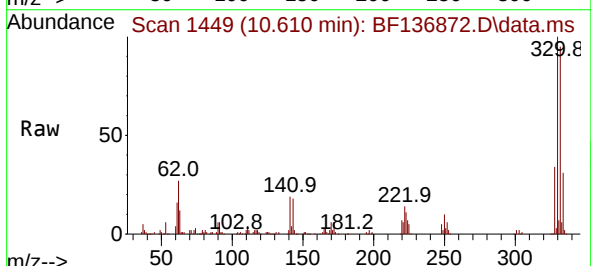
Tgt Ion:330 Resp: 140288

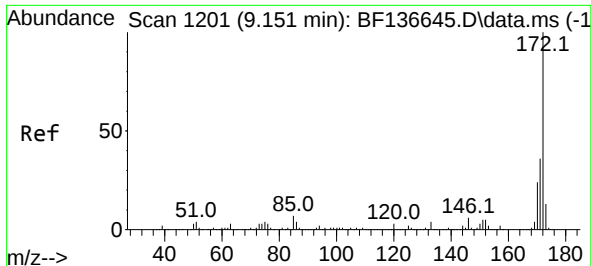
Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 27.9 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 77.614 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF136872.D

Acq: 02 Jan 2024 15:35

Instrument :

BNA_F

ClientSampleId :

T-402

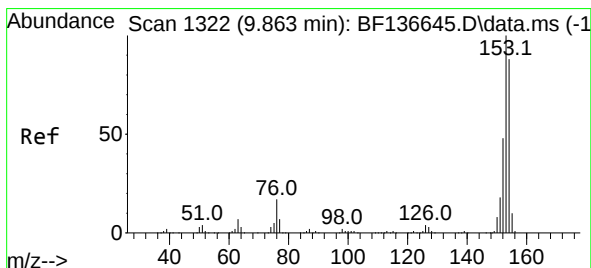
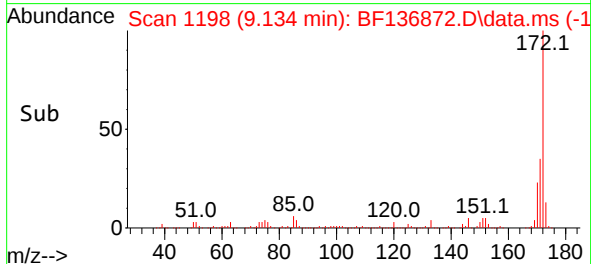
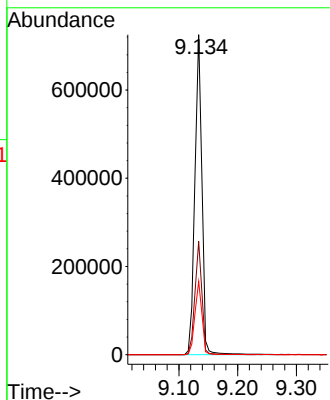
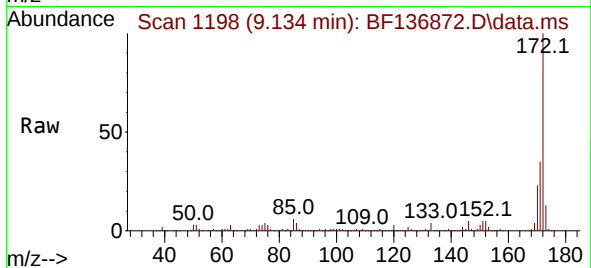
Tgt Ion:172 Resp: 604643

Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

170 22.9 19.0 28.4



#52

Acenaphthene

Concen: 2.488 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.017 min

Lab File: BF136872.D

Acq: 02 Jan 2024 15:35

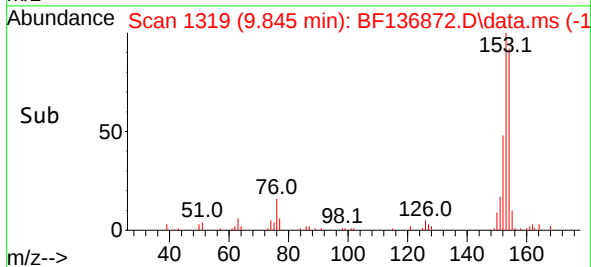
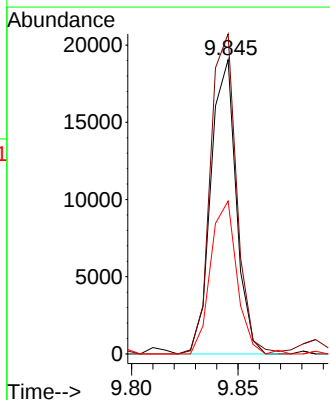
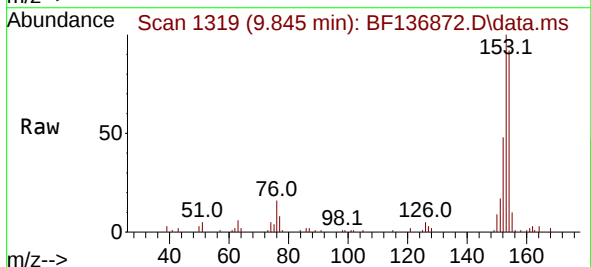
Tgt Ion:154 Resp: 15759

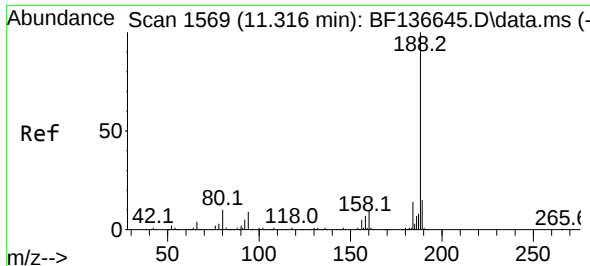
Ion Ratio Lower Upper

154 100

153 108.8 90.7 136.1

152 52.0 43.7 65.5

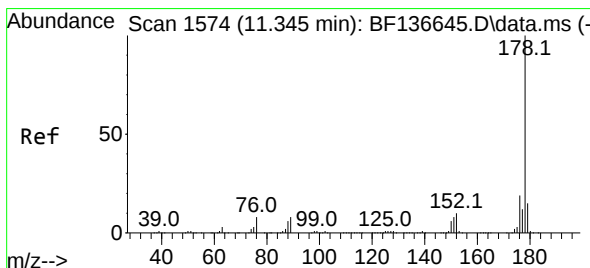
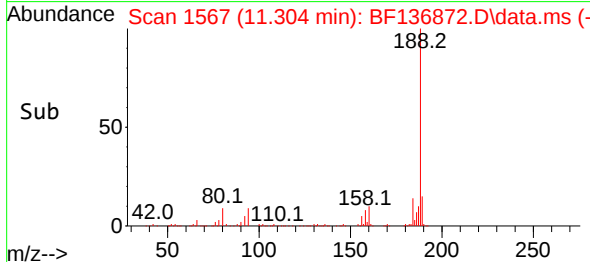
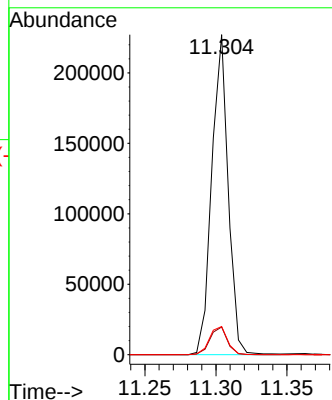
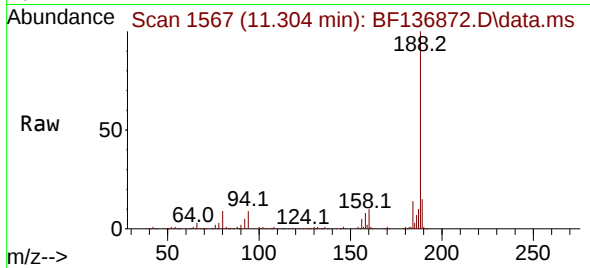




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

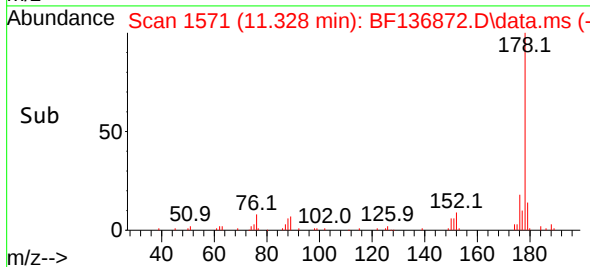
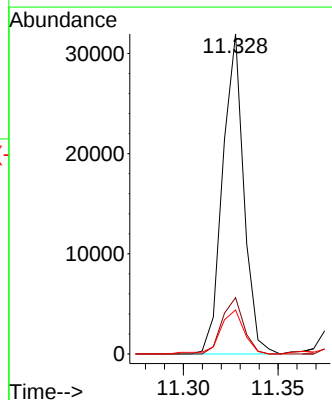
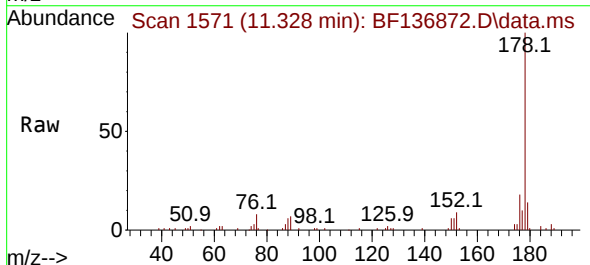
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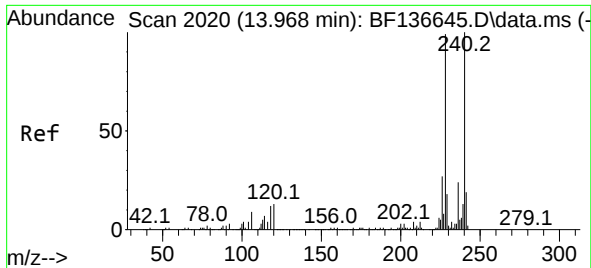
Tgt Ion:188 Resp: 183120
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 8.8 8.1 12.1



#71
Phenanthrene
Concen: 2.639 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.017 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

Tgt Ion:178 Resp: 24792
Ion Ratio Lower Upper
178 100
176 17.6 15.3 22.9
179 13.8 11.9 17.9

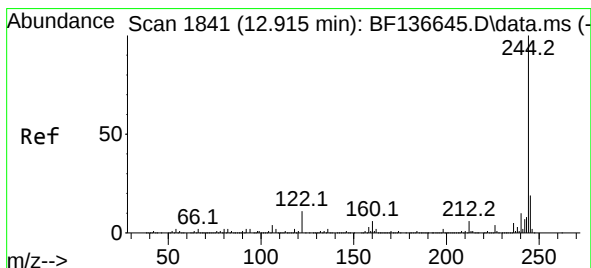
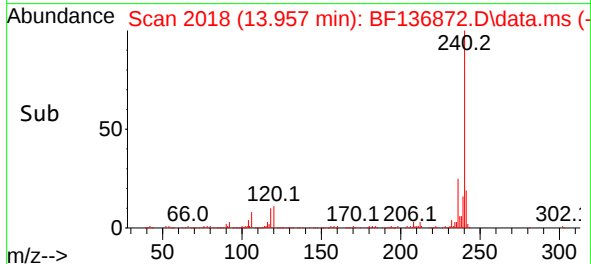
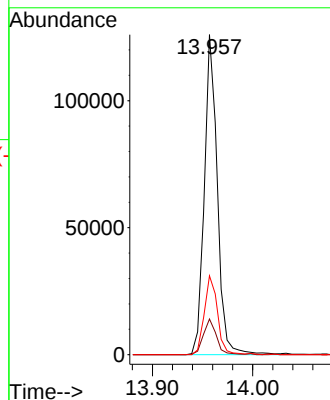
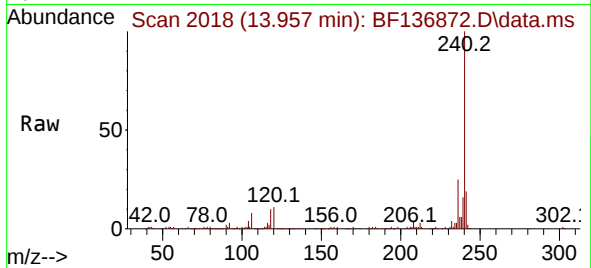




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

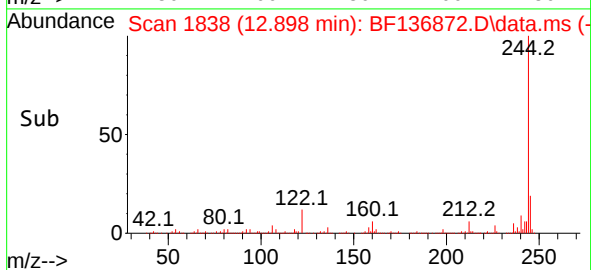
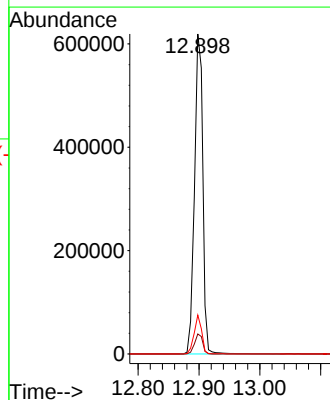
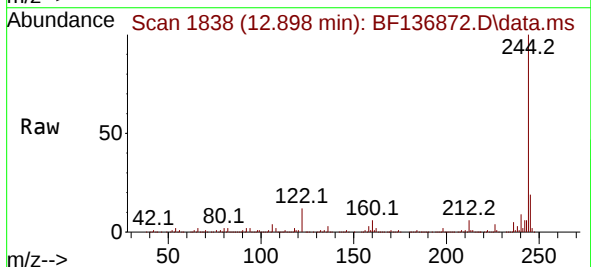
Instrument :
BNA_F
ClientSampleId :
T-402

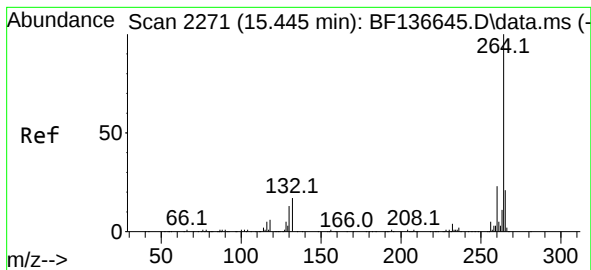
Tgt Ion:240 Resp: 114019
Ion Ratio Lower Upper
240 100
120 11.1 10.3 15.5
236 24.7 19.4 29.2



#79
Terphenyl-d14
Concen: 71.861 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.017 min
Lab File: BF136872.D
Acq: 02 Jan 2024 15:35

Tgt Ion:244 Resp: 586312
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 12.1 9.0 13.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136872.D

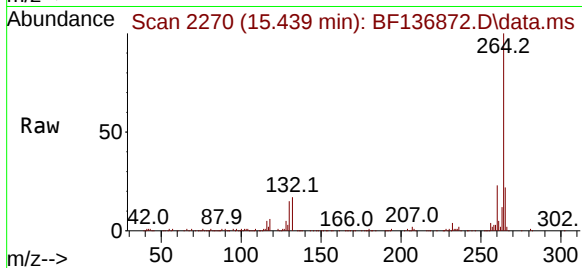
Acq: 02 Jan 2024 15:35

Instrument :

BNA_F

ClientSampleId :

T-402



Tgt Ion:264 Resp: 133826

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 21.6 17.0 25.6

