

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137073.D
 Acq On : 15 Jan 2024 20:05
 Operator : CG\JU
 Sample : P1140-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-309-0-2

Quant Time: Jan 16 02:04:02 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)

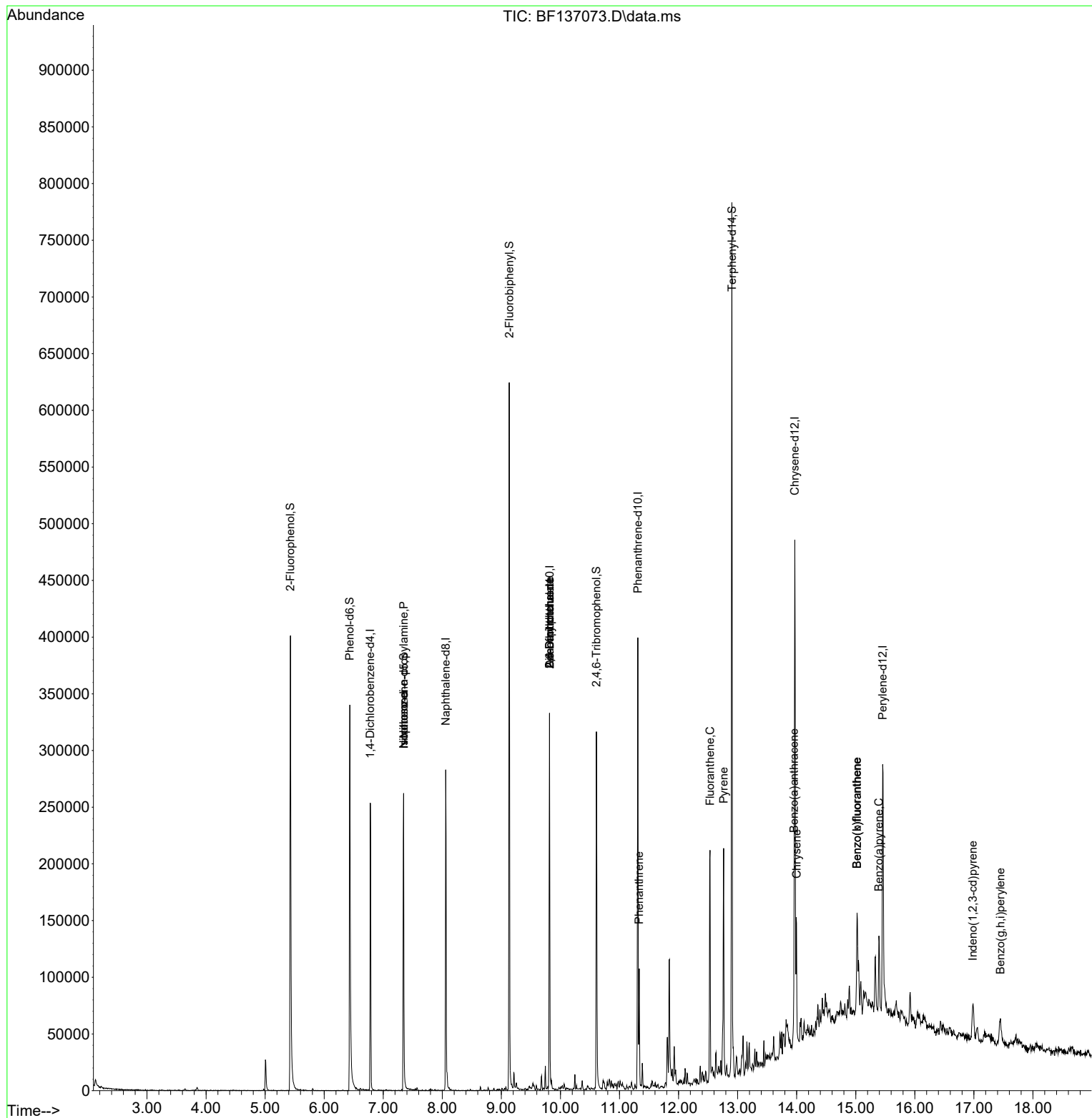
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	37817	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	123869	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	61399	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	135028	20.000	ng	0.00
76) Chrysene-d12	13.969	240	135180	20.000	ng	0.00
86) Perylene-d12	15.457	264	105098	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	124064	51.187	ng	0.00
7) Phenol-d6	6.434	99	141015	44.901	ng	0.00
23) Nitrobenzene-d5	7.345	82	83937	34.675	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	42449	58.703	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	178976	39.206	ng	-0.02
79) Terphenyl-d14	12.904	244	261657	27.050	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	10667	5.603	ng	# 75
25) Isophorone	7.345	82	83937	19.056	ng	# 65
50) Dimethylphthalate	9.816	163	11647	2.597	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	8117	7.975	ng	# 28
57) 2,4-Dinitrotoluene	9.816	165	8117	6.143	ng	# 19
71) Phenanthrene	11.333	178	35050	5.059	ng	97
75) Fluoranthene	12.533	202	85987	11.603	ng	99
78) Pyrene	12.763	202	80248	6.047	ng	99
81) Benzo(a)anthracene	13.957	228	48219	5.137	ng	96
83) Chrysene	13.998	228	45941	5.005	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	17859	2.354	ng	# 93
88) Benzo(b)fluoranthene	15.021	252	66745	9.508	ng	# 92
89) Benzo(k)fluoranthene	15.021	252	66745	10.063	ng	# 93
90) Benzo(a)pyrene	15.392	252	31695	5.349	ng	# 93
92) Benzo(g,h,i)perylene	17.451	276	18219	2.857	ng	93

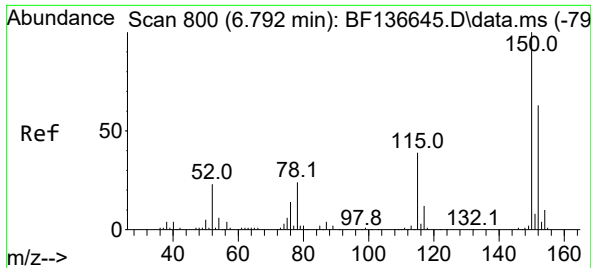
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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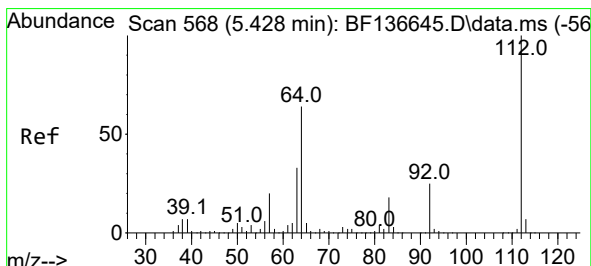
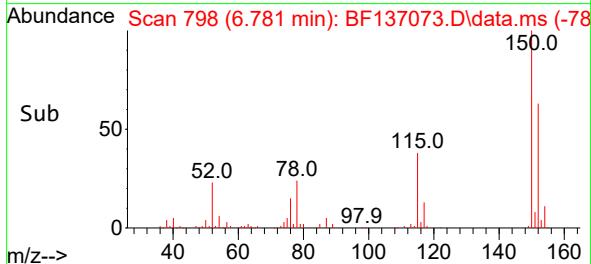
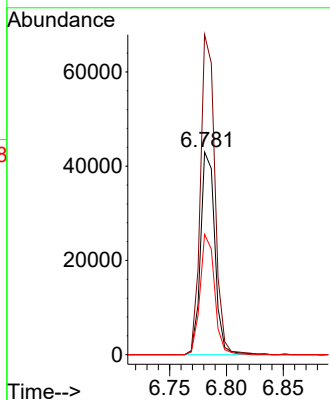
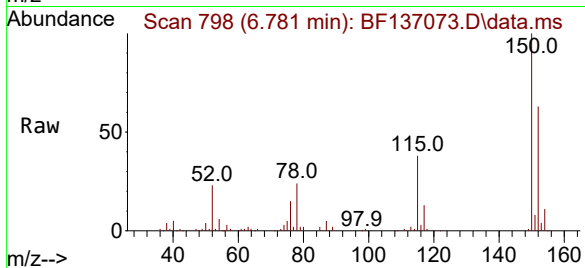




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

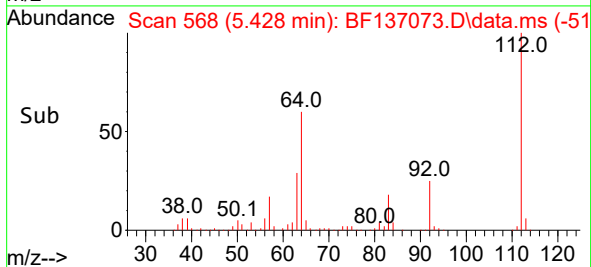
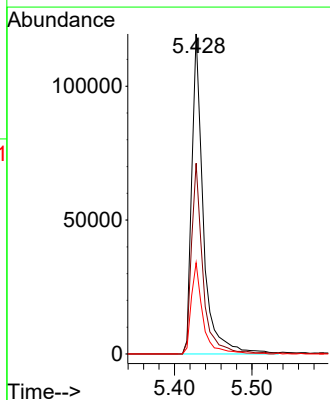
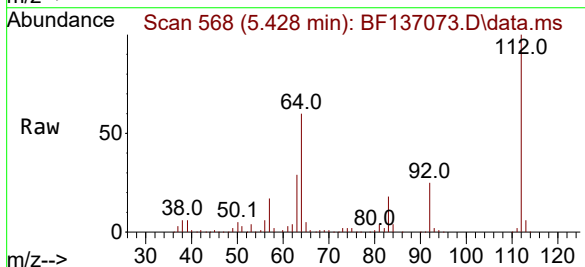
Instrument :
BNA_F
ClientSampleId :
MR-309-0-2

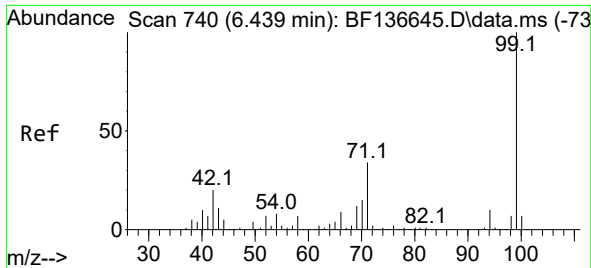
Tgt Ion:152 Resp: 37817
Ion Ratio Lower Upper
152 100
150 158.0 127.0 190.6
115 59.4 49.0 73.4



#5
2-Fluorophenol
Concen: 51.187 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Tgt Ion:112 Resp: 124064
Ion Ratio Lower Upper
112 100
64 59.6 51.1 76.7
63 28.5 26.1 39.1

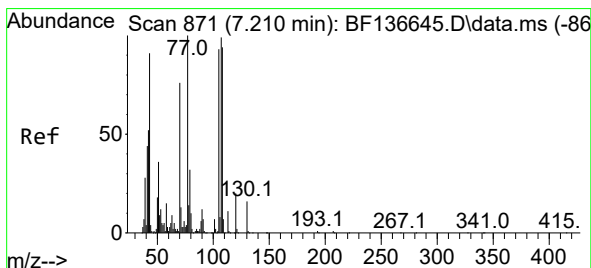
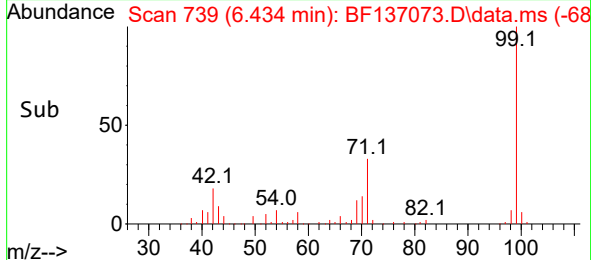
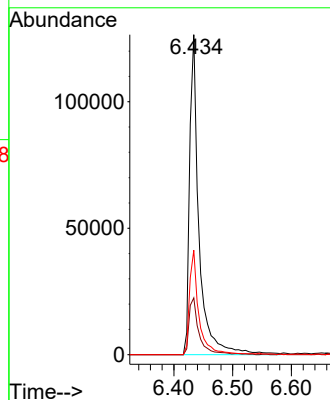
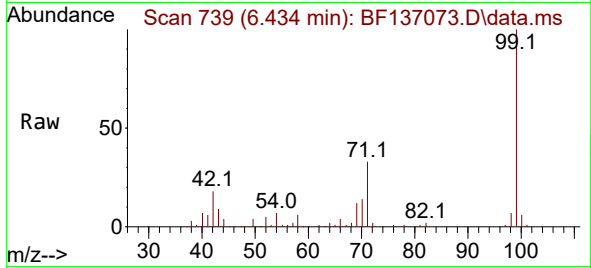




#7
Phenol-d6
Concen: 44.901 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

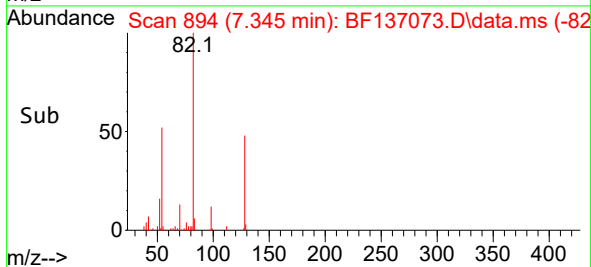
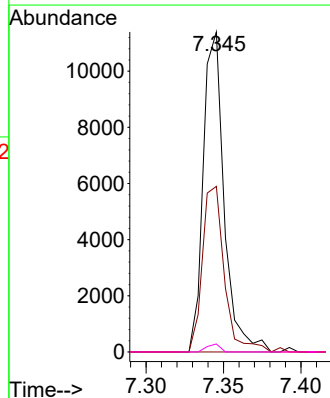
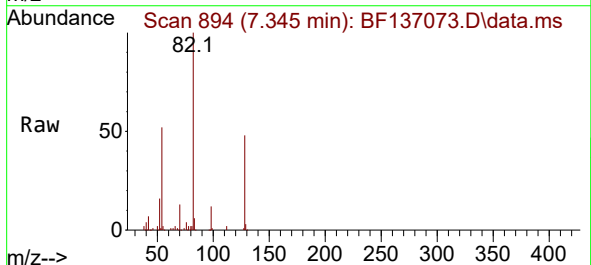
Instrument :
BNA_F
ClientSampleId :
MR-309-0-2

Tgt Ion: 99 Resp: 141015
Ion Ratio Lower Upper
99 100
42 17.8 16.1 24.1
71 32.6 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.603 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Tgt Ion: 70 Resp: 10667
Ion Ratio Lower Upper
70 100
42 51.8 54.2 81.4#
101 0.0 7.6 11.4#
130 2.5 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Instrument :

BNA_F

ClientSampleId :

MR-309-0-2

Tgt Ion:136 Resp: 123869

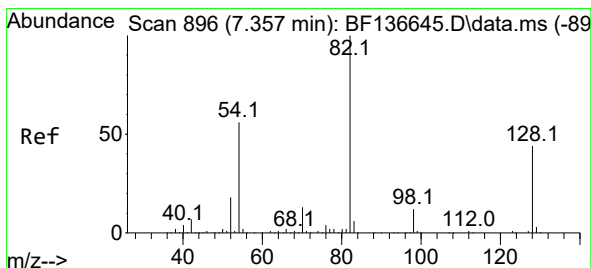
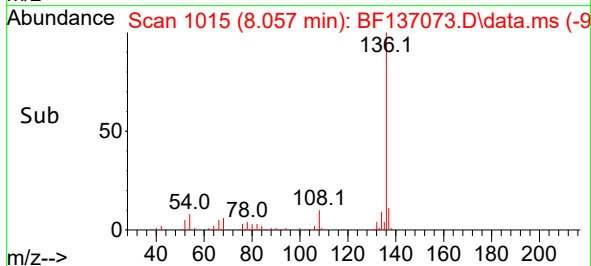
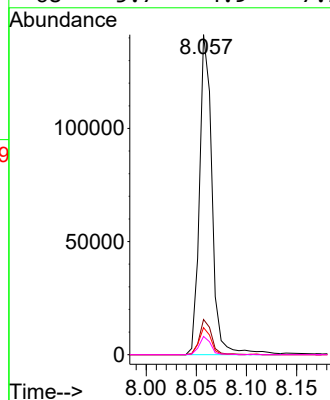
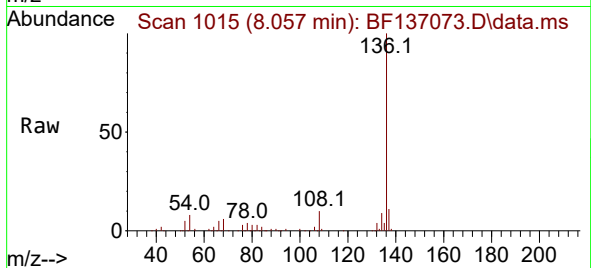
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 8.5 7.2 10.8

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 34.675 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

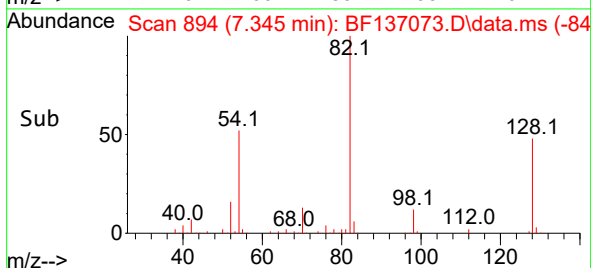
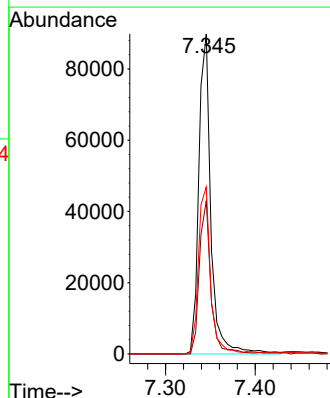
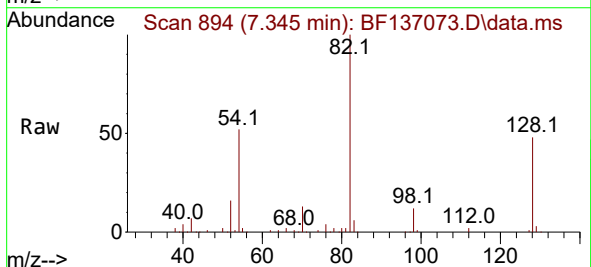
Tgt Ion: 82 Resp: 83937

Ion Ratio Lower Upper

82 100

128 47.8 35.3 52.9

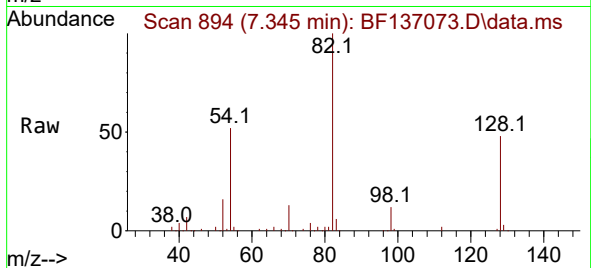
54 52.2 44.5 66.7



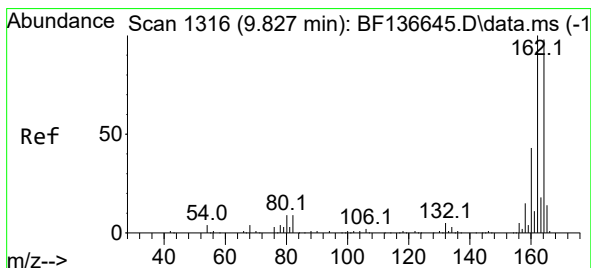
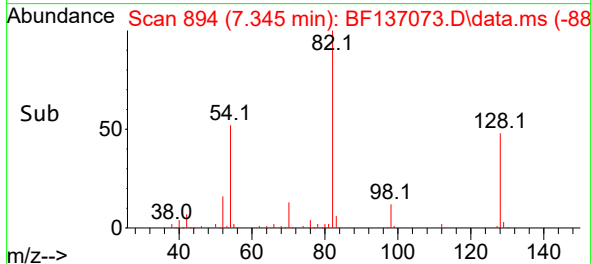
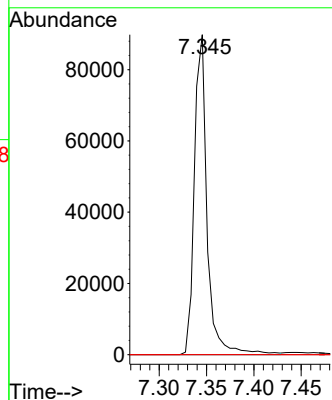


#25
Isophorone
Concen: 19.056 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Instrument :
BNA_F
ClientSampleId :
MR-309-0-2

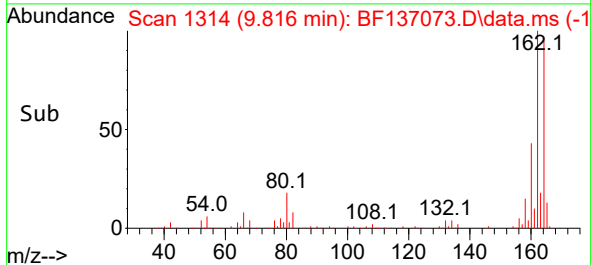
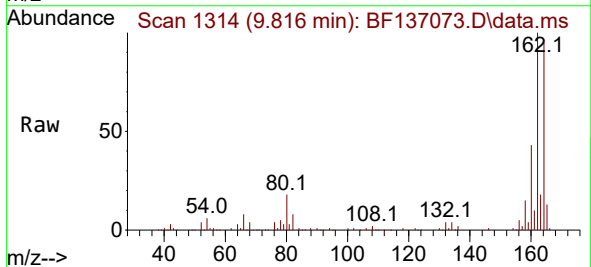
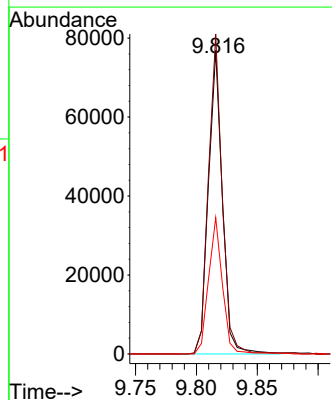


Tgt Ion: 82 Resp: 83937
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

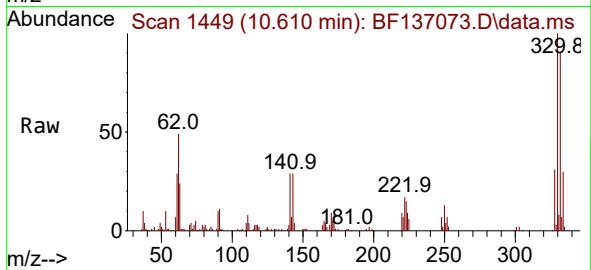
Tgt Ion: 164 Resp: 61399
Ion Ratio Lower Upper
164 100
162 105.4 81.6 122.4
160 44.9 34.9 52.3



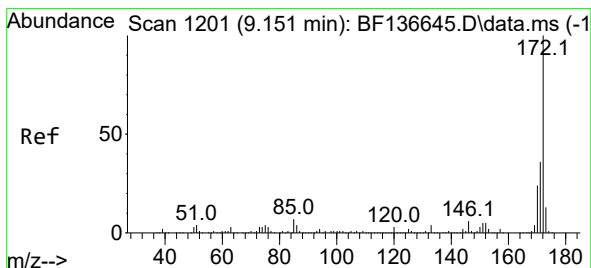
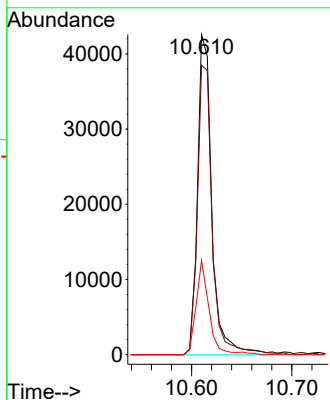
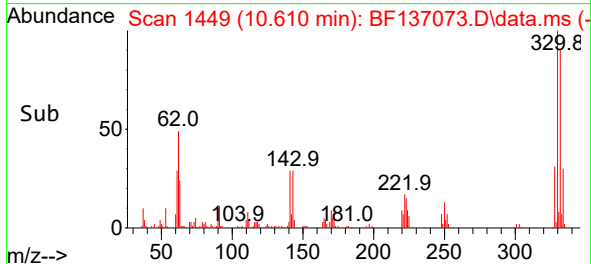


#42
2,4,6-Tribromophenol
Concen: 58.703 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Instrument :
BNA_F
ClientSampleId :
MR-309-0-2

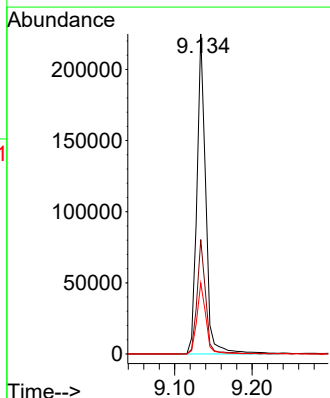
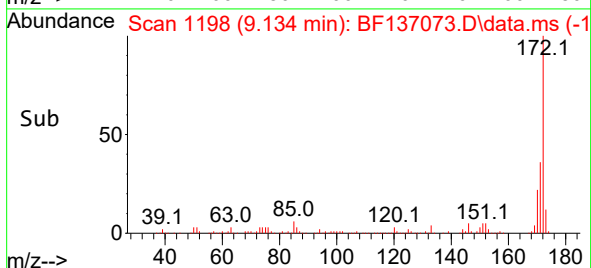
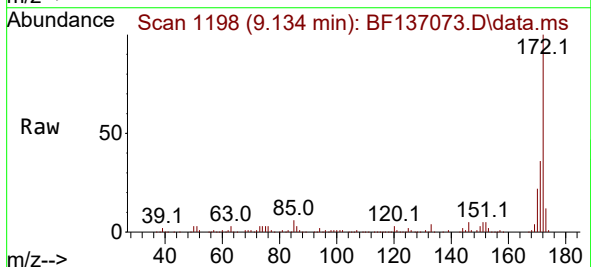


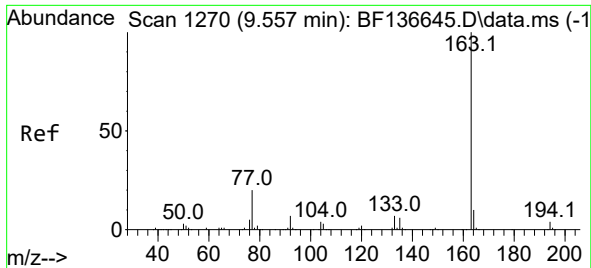
Tgt Ion: 330 Resp: 42449
Ion Ratio Lower Upper
330 100
332 93.7 77.4 116.0
141 26.8 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 39.206 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Tgt Ion: 172 Resp: 178976
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.6
170 22.2 19.0 28.4

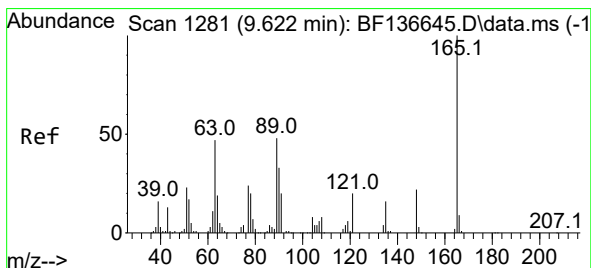
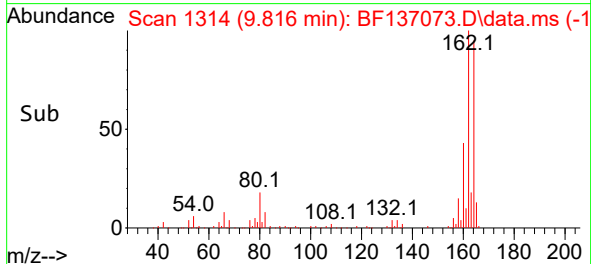
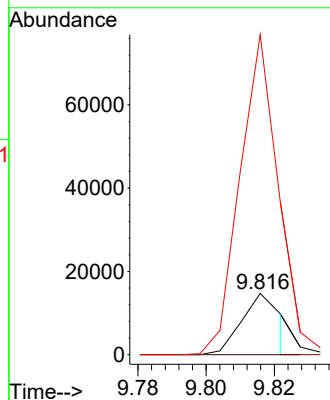
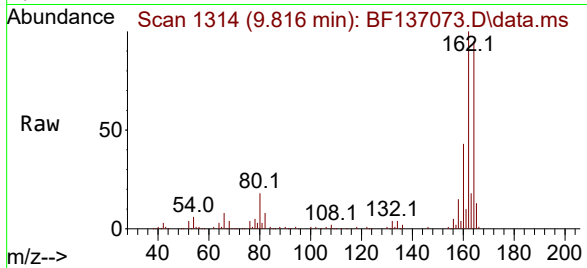




#50
Dimethylphthalate
Concen: 2.597 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

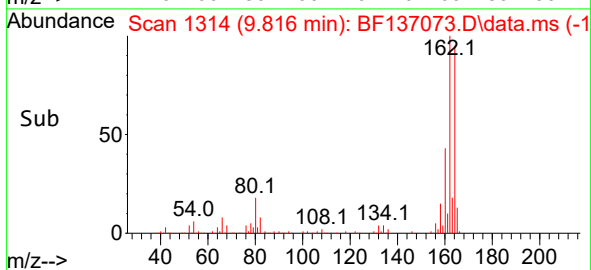
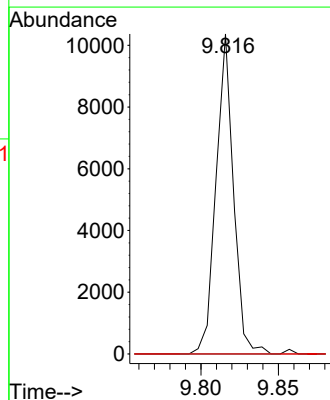
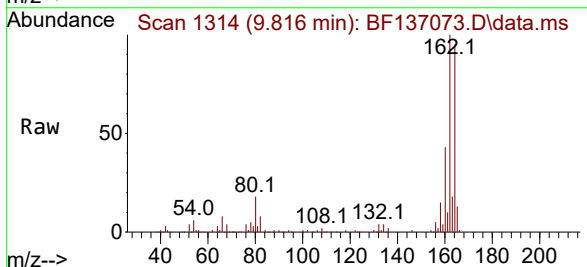
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ClientSampleId :
MR-309-0-2

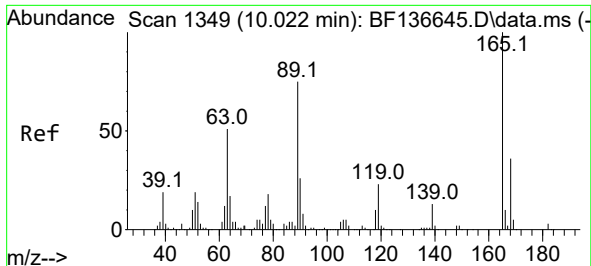
Tgt Ion:163 Resp: 11647
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 522.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.975 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

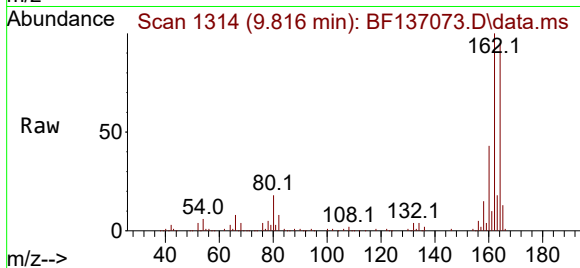
Tgt Ion:165 Resp: 8117
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 38.8 58.2#



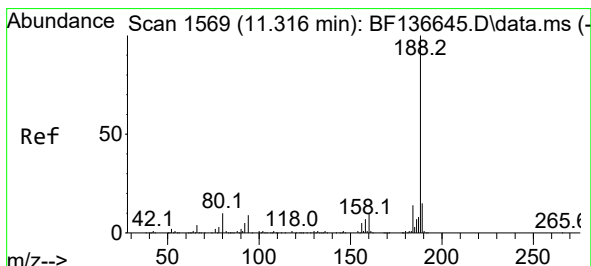
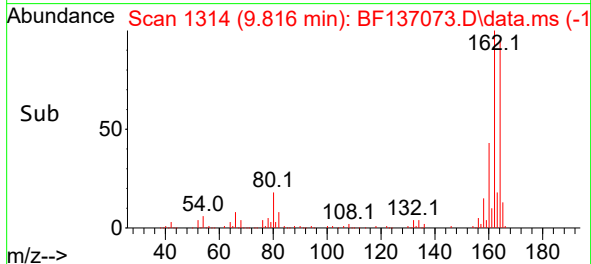
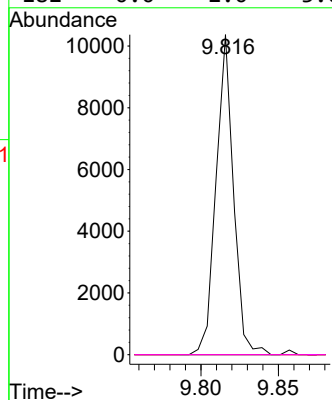


#57
2,4-Dinitrotoluene
Concen: 6.143 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Instrument :
BNA_F
ClientSampleId :
MR-309-0-2

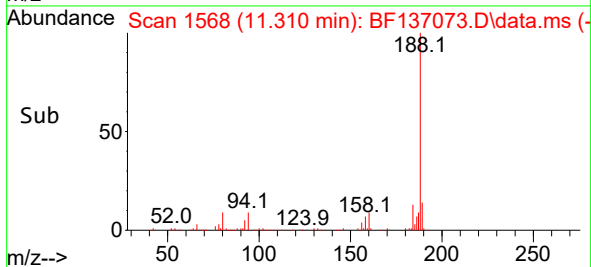
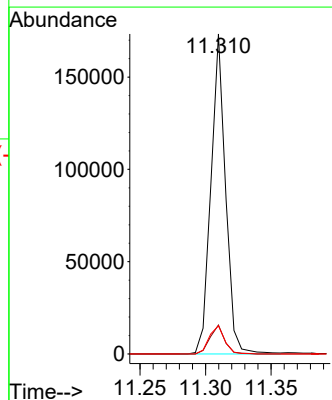
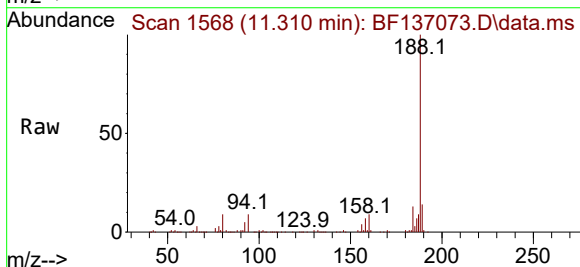


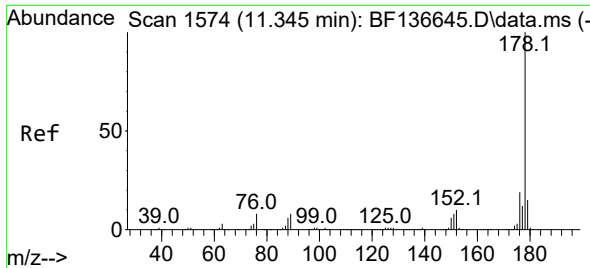
Tgt Ion:165 Resp: 8117
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Tgt Ion:188 Resp: 135028
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 8.8 8.1 12.1

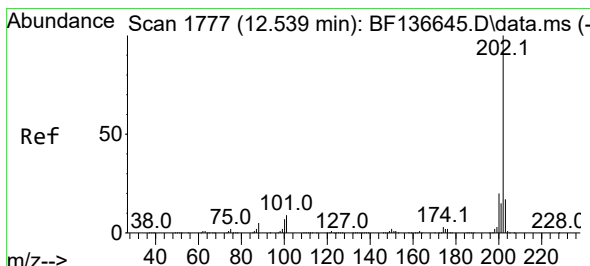
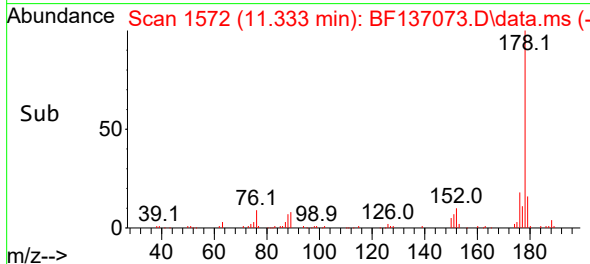
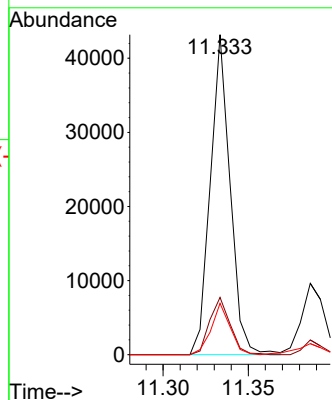
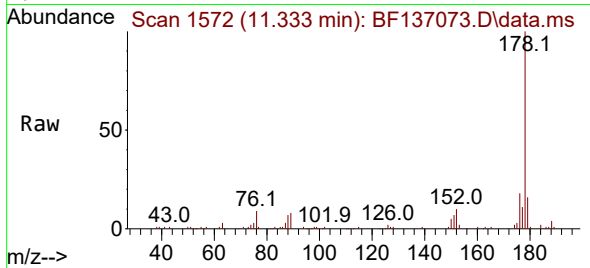




#71
Phenanthrene
Concen: 5.059 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

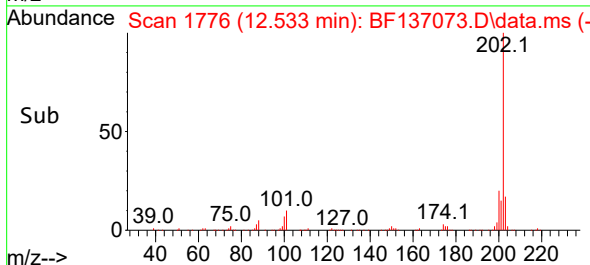
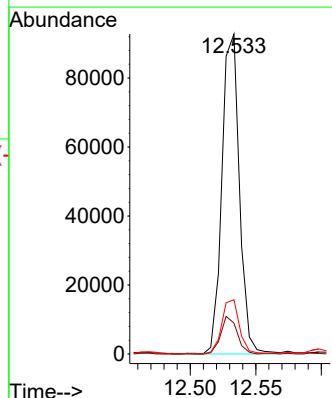
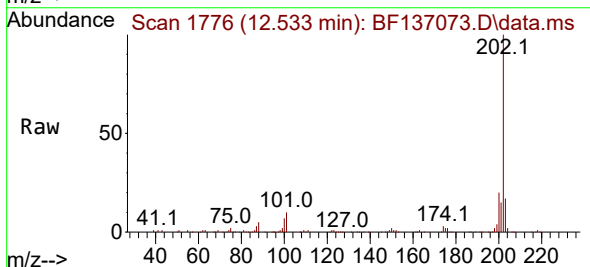
Instrument :
BNA_F
ClientSampleId :
MR-309-0-2

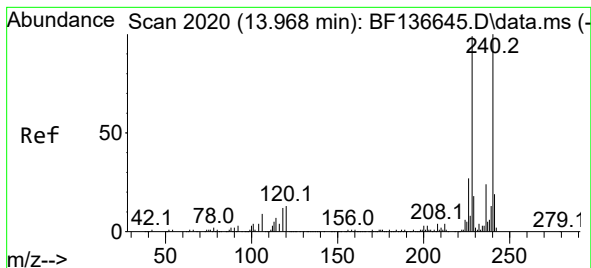
Tgt Ion:178 Resp: 35050
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 16.0 11.9 17.9



#75
Fluoranthene
Concen: 11.603 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Tgt Ion:202 Resp: 85987
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.3
203 17.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Instrument :

BNA_F

ClientSampleId :

MR-309-0-2

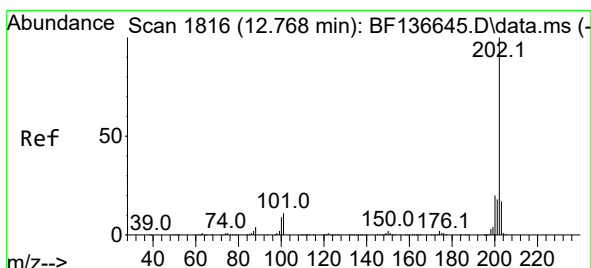
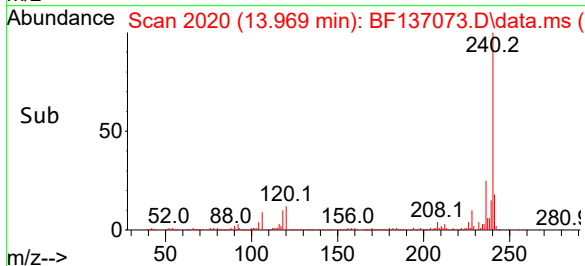
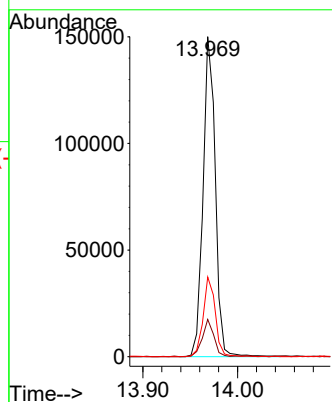
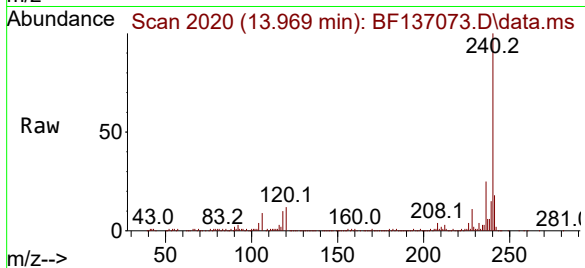
Tgt Ion:240 Resp: 135180

Ion Ratio Lower Upper

240 100

120 11.7 10.3 15.5

236 24.9 19.4 29.2



#78

Pyrene

Concen: 6.047 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

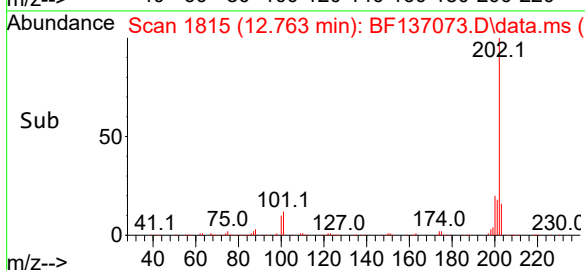
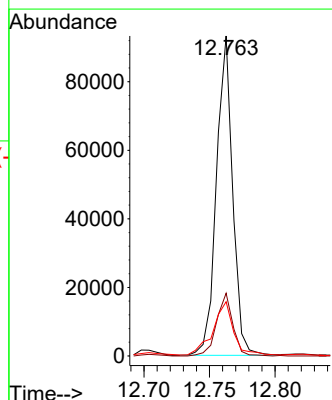
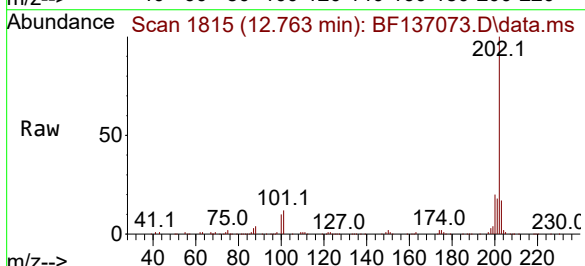
Tgt Ion:202 Resp: 80248

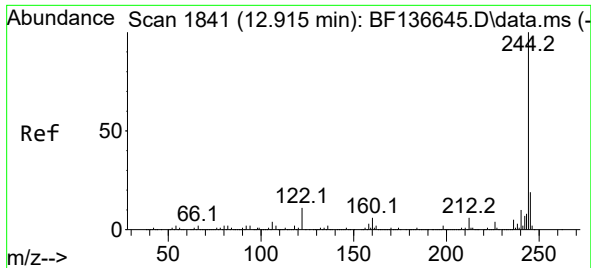
Ion Ratio Lower Upper

202 100

200 19.6 15.9 23.9

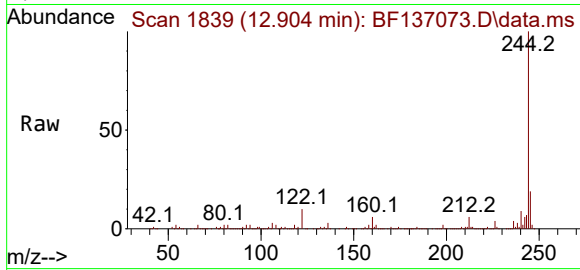
203 16.9 13.8 20.6



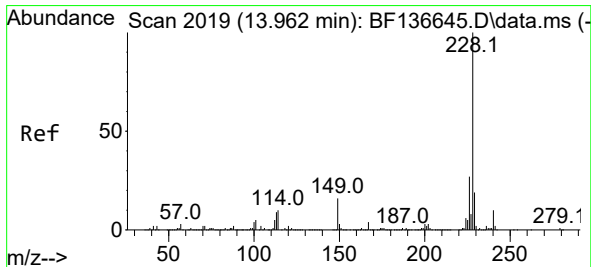
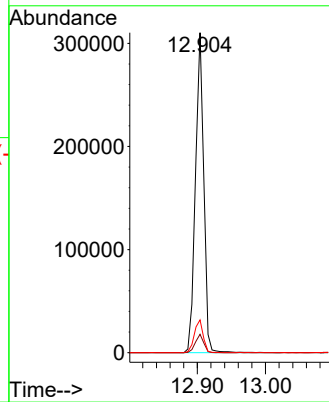
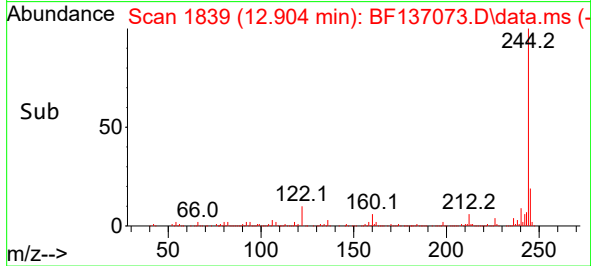


#79
 Terphenyl-d14
 Concen: 27.050 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF137073.D
 Acq: 15 Jan 2024 20:05

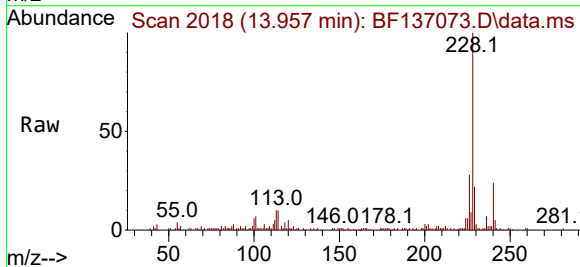
Instrument :
 BNA_F
 ClientSampleId :
 MR-309-0-2



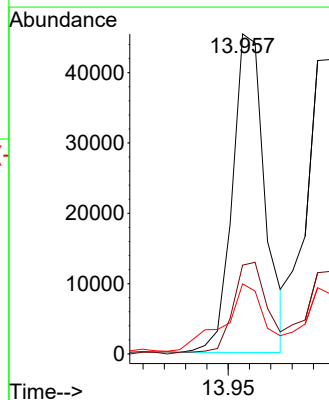
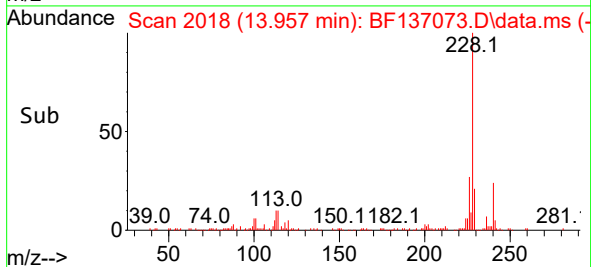
Tgt Ion:244 Resp: 261657
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.0 7.4
 122 10.3 9.0 13.4

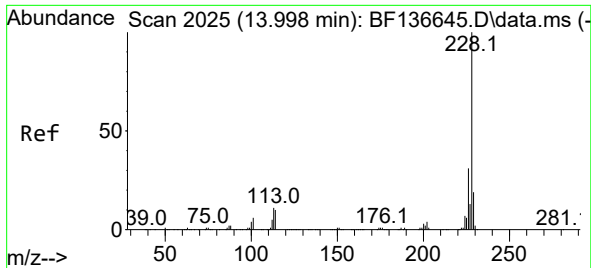


#81
 Benzo(a)anthracene
 Concen: 5.137 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF137073.D
 Acq: 15 Jan 2024 20:05



Tgt Ion:228 Resp: 48219
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.0
 229 21.9 14.9 22.3

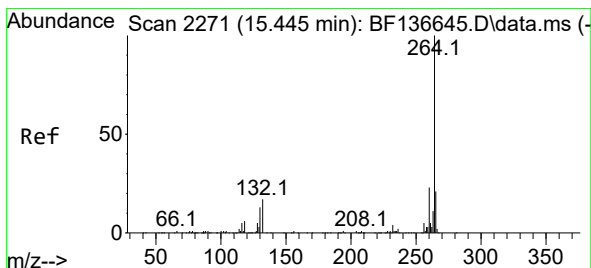
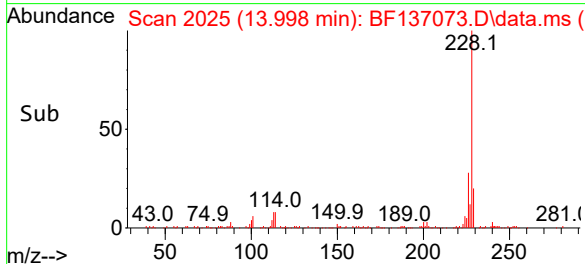
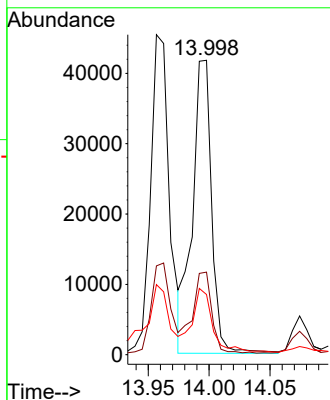
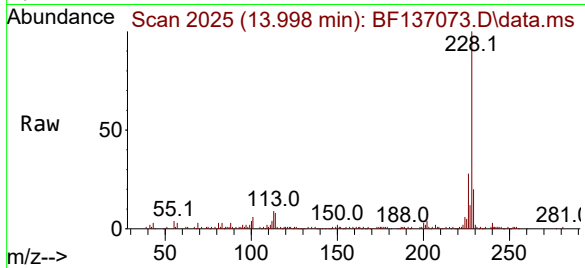




#83
Chrysene
Concen: 5.005 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

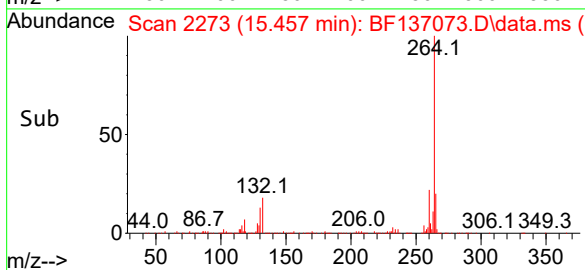
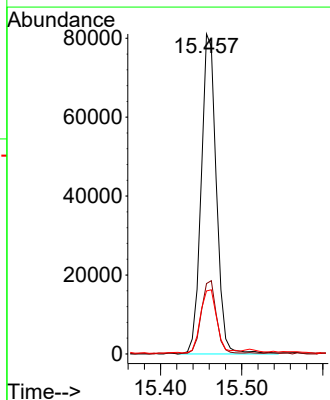
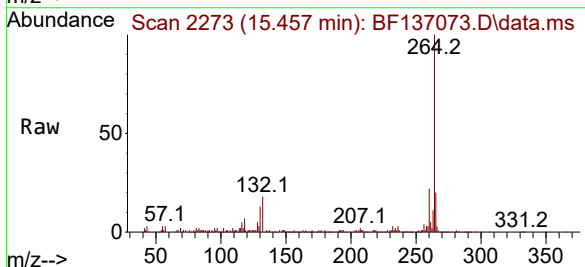
Instrument :
BNA_F
ClientSampleId :
MR-309-0-2

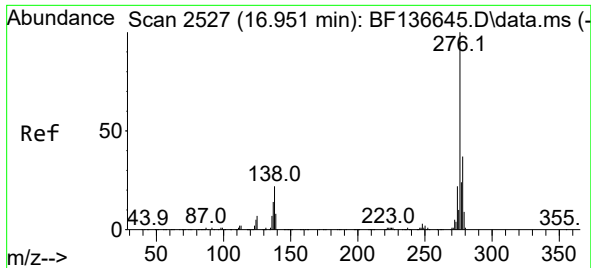
Tgt Ion:228 Resp: 45941
Ion Ratio Lower Upper
228 100
226 28.0 24.7 37.1
229 20.4 15.4 23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.012 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Tgt Ion:264 Resp: 105098
Ion Ratio Lower Upper
264 100
260 22.0 18.3 27.5
265 19.7 17.0 25.6

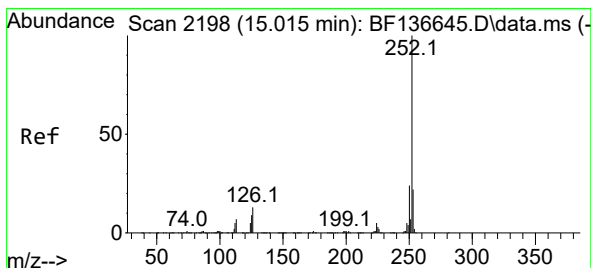
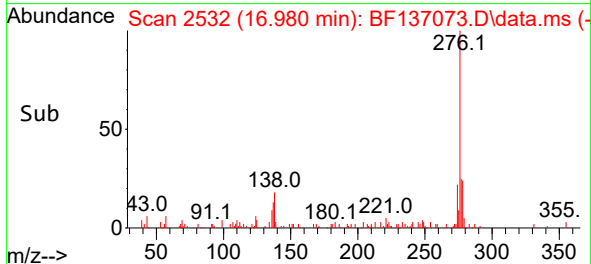
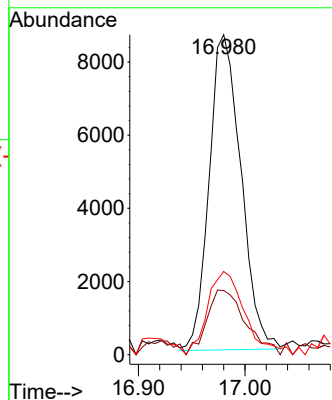
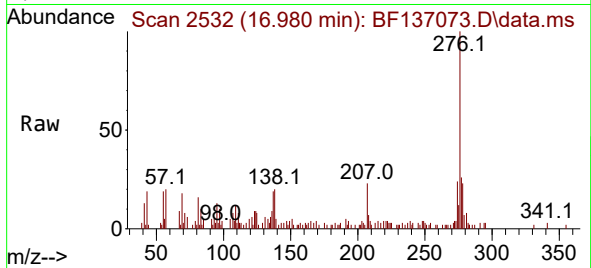




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.354 ng
 RT: 16.980 min Scan# 2198
 Delta R.T. 0.030 min
 Lab File: BF137073.D
 Acq: 15 Jan 2024 20:05

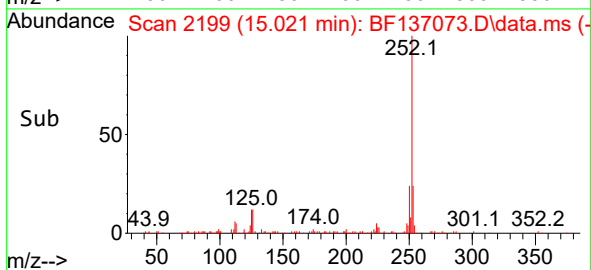
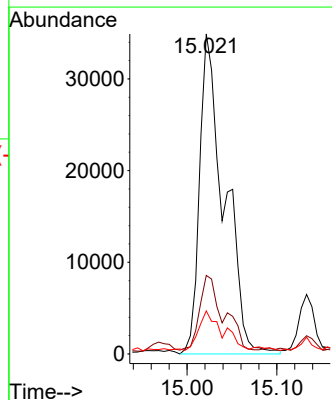
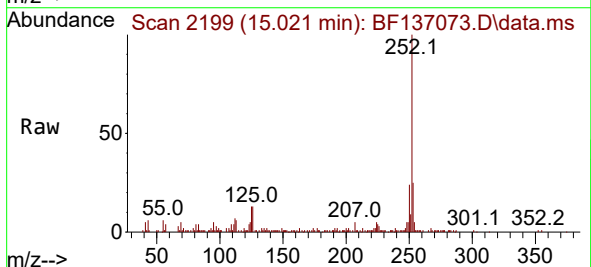
Instrument :
 BNA_F
 ClientSampleId :
 MR-309-0-2

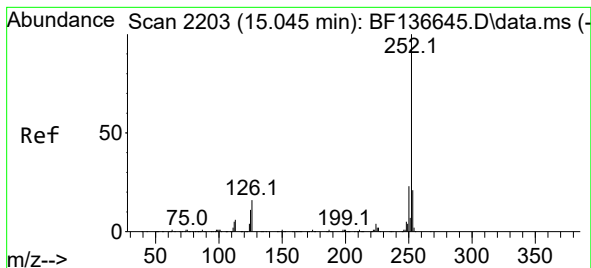
Tgt Ion:276 Resp: 17859
 Ion Ratio Lower Upper
 276 100
 138 24.9 18.7 28.1
 277 30.8 20.2 30.2#



#88
 Benzo(b)fluoranthene
 Concen: 9.508 ng
 RT: 15.021 min Scan# 2199
 Delta R.T. 0.006 min
 Lab File: BF137073.D
 Acq: 15 Jan 2024 20:05

Tgt Ion:252 Resp: 66745
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.4 26.0
 125 13.5 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 10.063 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Instrument :

BNA_F

ClientSampleId :

MR-309-0-2

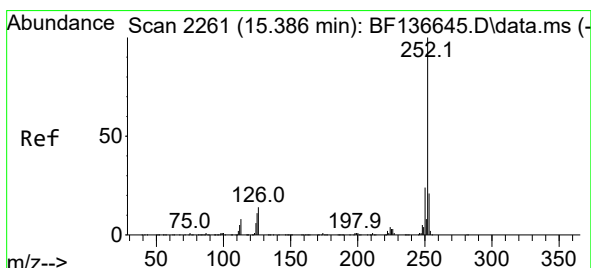
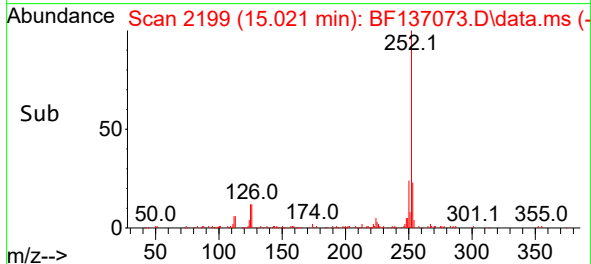
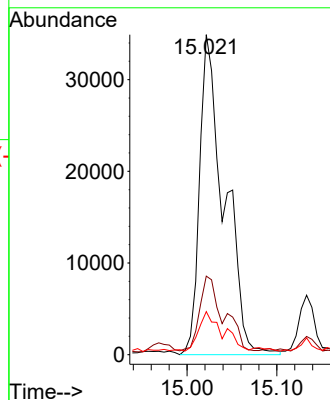
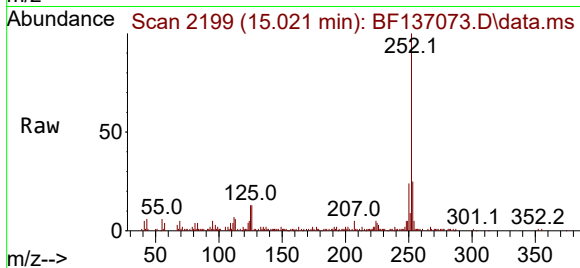
Tgt Ion:252 Resp: 66745

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

125 13.5 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 5.349 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

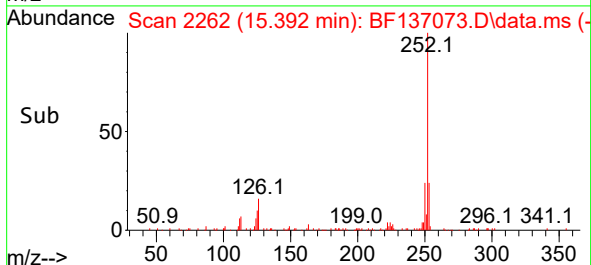
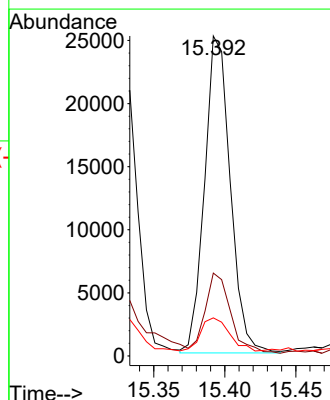
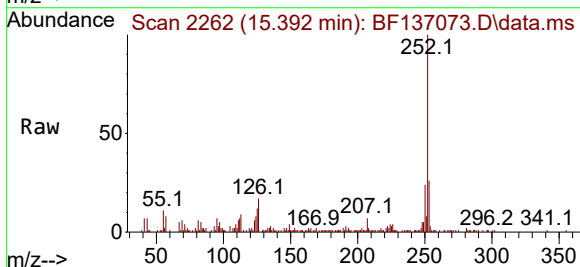
Tgt Ion:252 Resp: 31695

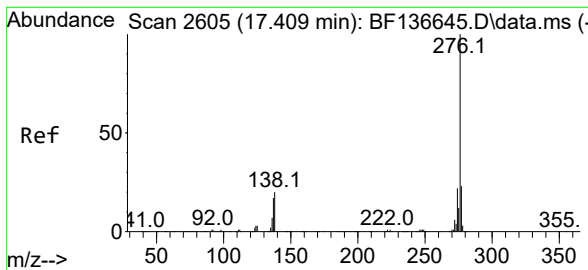
Ion Ratio Lower Upper

252 100

253 25.9 17.0 25.6#

125 11.9 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.857 ng
 RT: 17.451 min Scan# 20
 Delta R.T. 0.041 min
 Lab File: BF137073.D
 Acq: 15 Jan 2024 20:05

Instrument :
 BNA_F
 ClientSampleId :
 MR-309-0-2

Tgt Ion:	276	Resp:	18219
Ion Ratio	Lower	Upper	
276	100		
277	18.6	18.3	27.5
138	21.9	15.6	23.4

