

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120420\
 Data File : BF122547.D
 Acq On : 4 Dec 2020 16:02
 Operator : JU/CG
 Sample : L4936-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Quant Time: Dec 04 16:28:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 04 12:52:10 2020
 Response via : Initial Calibration

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

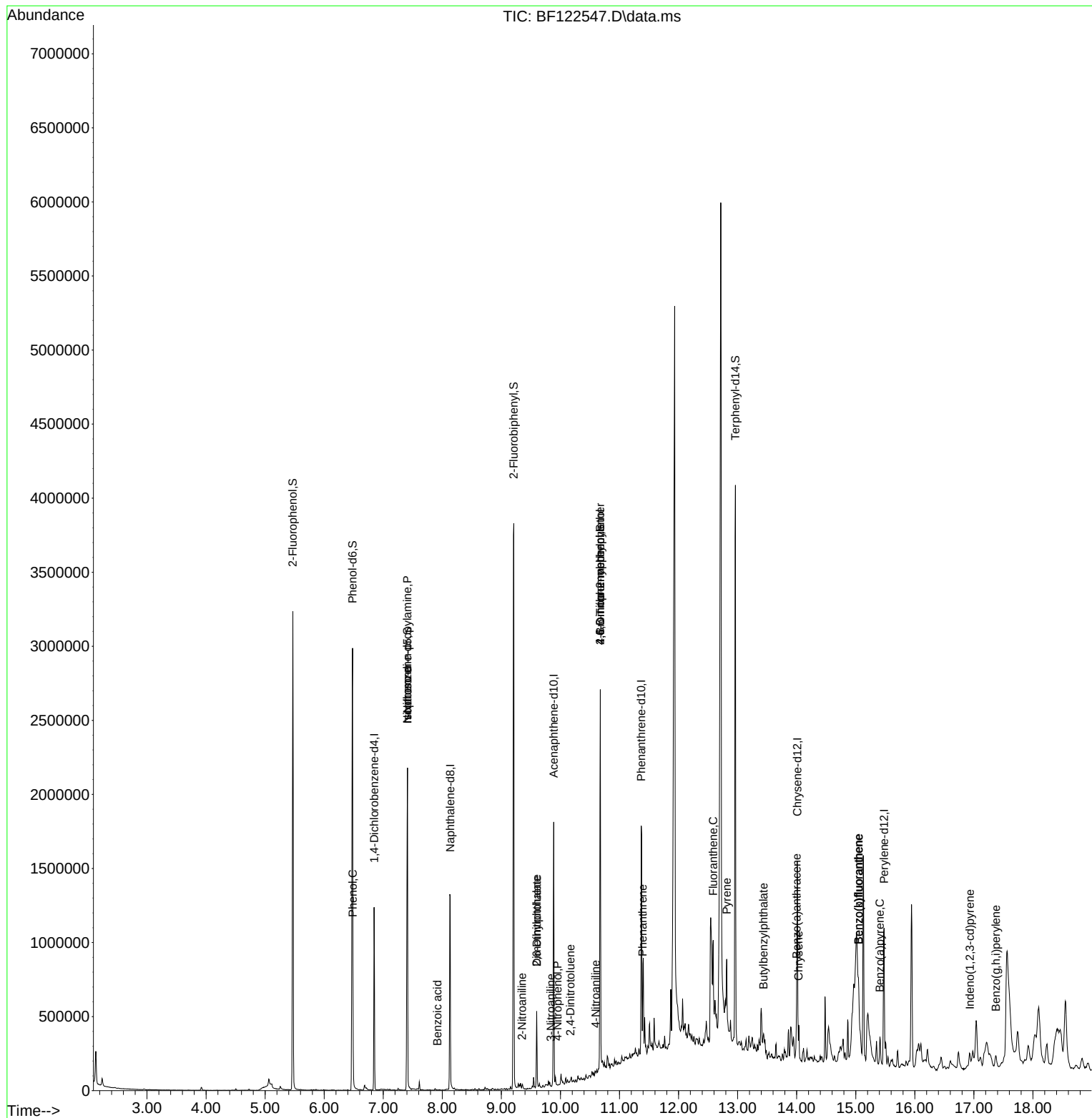
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	170046	20.00	ng	0.00
21) Naphthalene-d8	8.133	136	655404	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	337601	20.00	ng	0.00
64) Phenanthrene-d10	11.369	188	598539	20.00	ng	0.00
76) Chrysene-d12	14.010	240	426909	20.00	ng	-0.01
86) Perylene-d12	15.480	264	447428	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	909710	82.15	ng	0.00
7) Phenol-d6	6.481	99	1122306	77.47	ng	0.00
23) Nitrobenzene-d5	7.410	82	713089	66.61	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	325964	89.96	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1303918	60.35	ng	0.00
79) Terphenyl-d14	12.963	244	1203720	59.73	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	1038	Below Cal	#	73
10) Phenol	6.487	94	71091	4.98	ng	89
19) n-Nitroso-di-n-propyla...	7.410	70	94409	10.90	ng	# 75
25) Isophorone	7.410	82	703028	29.46	ng	# 67
32) Benzoic acid	7.916	122	113	7.98	ng	# 35
48) 2-Nitroaniline	9.351	65	576	5.25	ng	# 6
50) Dimethylphthalate	9.598	163	186181	7.76	ng	99
51) 2,6-Dinitrotoluene	9.598	165	2277	4.21	ng	# 23
53) 3-Nitroaniline	9.839	138	115	3.58	ng	# 1
56) 4-Nitrophenol	9.951	139	262	5.45	ng	# 1
57) 2,4-Dinitrotoluene	10.169	165	2013	4.99	ng	# 40
62) 4-Nitroaniline	10.598	138	391	3.44	ng	78
65) 4,6-Dinitro-2-methylph...	10.674	198	675	6.47	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	20388	2.90	ng	# 1
71) Phenanthrene	11.392	178	98432	2.90	ng	98
75) Fluoranthene	12.586	202	223412	6.30	ng	96
78) Pyrene	12.816	202	187536	6.25	ng	98
80) Butylbenzylphthalate	13.439	149	6557	3.80	ng	# 84
81) Benzo(a)anthracene	13.998	228	92842	3.50	ng	99
83) Chrysene	14.033	228	98602	3.69	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	67105	2.50	ng	98
88) Benzo(b)fluoranthene	15.051	252	179163	6.18	ng	98
89) Benzo(k)fluoranthene	15.051	252	179163	6.34	ng	# 97
90) Benzo(a)pyrene	15.409	252	88694	3.51	ng	98
92) Benzo(g,h,i)perylene	17.374	276	71338	3.26	ng	99

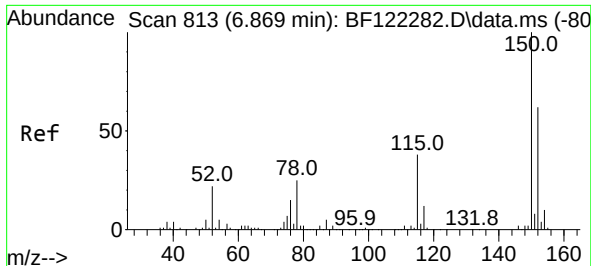
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120420\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 04 12:52:10 2020
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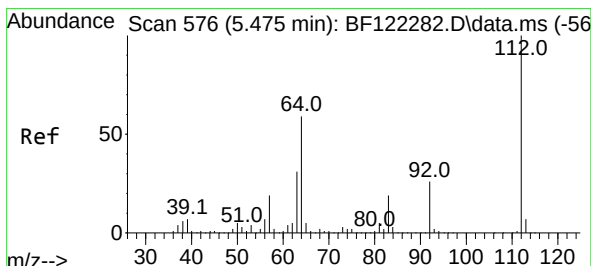
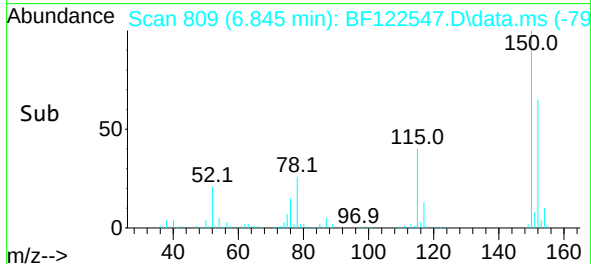
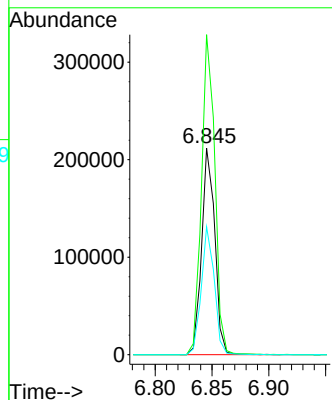
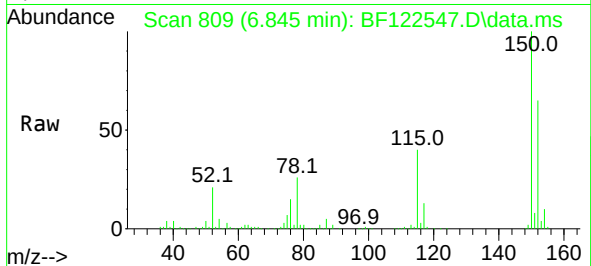




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

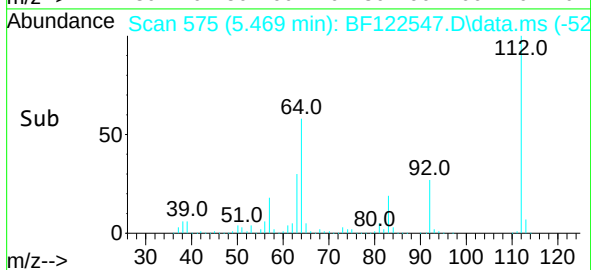
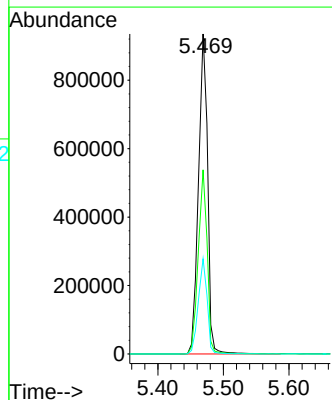
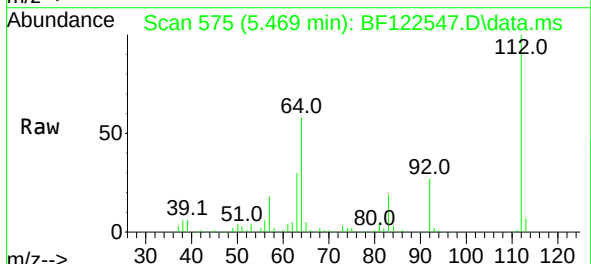
Instrument :
BNA_F
ClientSampleId :
VNJ-214

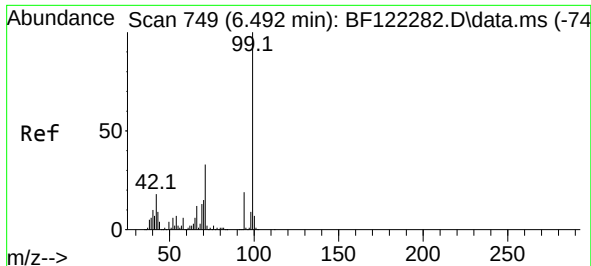
Tgt Ion:152 Resp: 170046
Ion Ratio Lower Upper
152 100
150 154.9 125.3 187.9
115 61.8 51.9 77.9



#5
2-Fluorophenol
Concen: 82.15 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.000 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:112 Resp: 909710
Ion Ratio Lower Upper
112 100
64 57.6 50.4 75.6
63 29.8 25.8 38.6

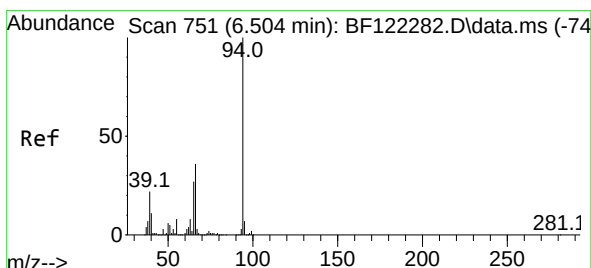
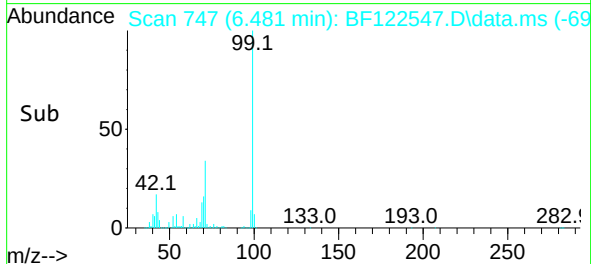
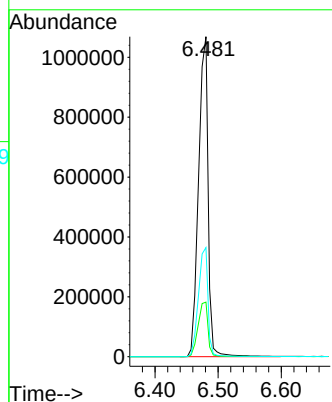
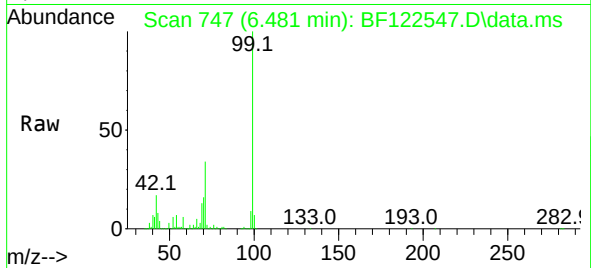




#7
Phenol-d6
Concen: 77.47 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

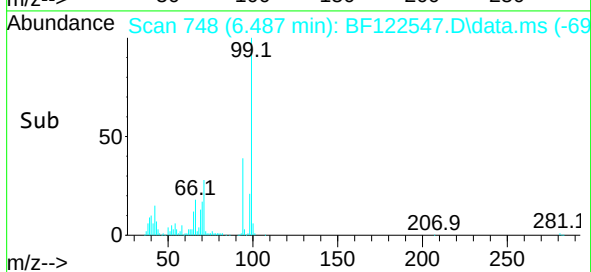
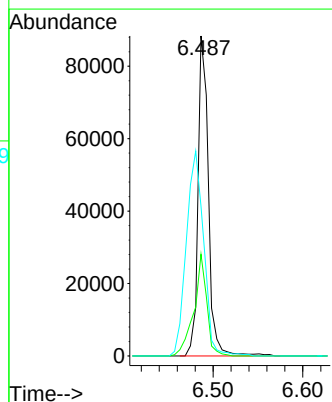
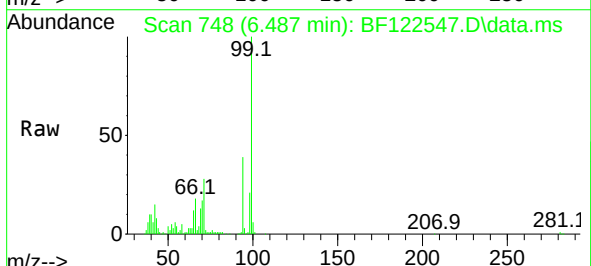
Instrument :
BNA_F
ClientSampleId :
VNJ-214

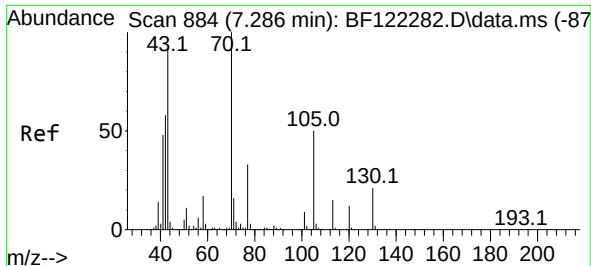
Tgt Ion: 99 Resp: 1122306
Ion Ratio Lower Upper
99 100
42 17.1 15.9 23.9
71 34.1 27.1 40.7



#10
Phenol
Concen: 4.98 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

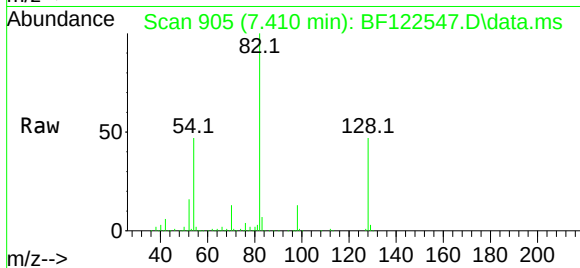
Tgt Ion: 94 Resp: 71091
Ion Ratio Lower Upper
94 100
65 31.8 17.1 57.1
66 46.8 36.0 76.0



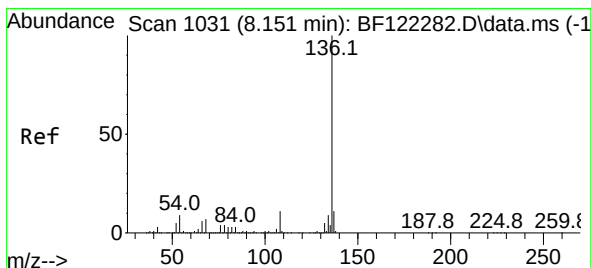
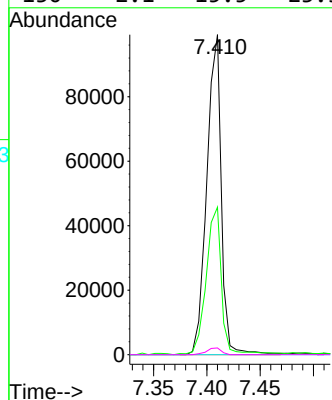
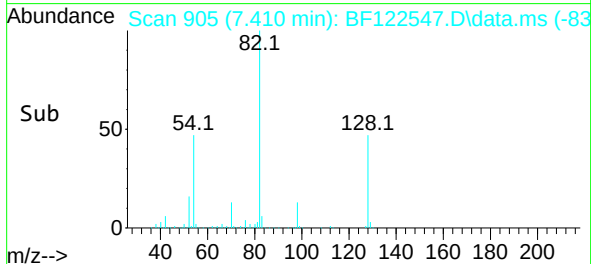


#19
n-Nitroso-di-n-propylamine
Concen: 10.90 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

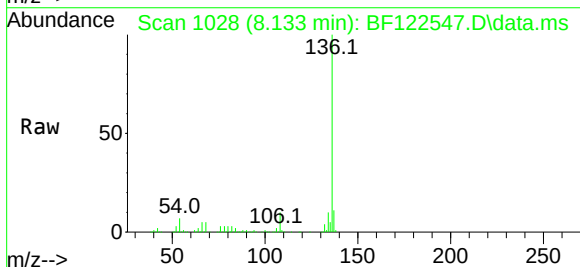
Instrument :
BNA_F
ClientSampled :
VNJ-214



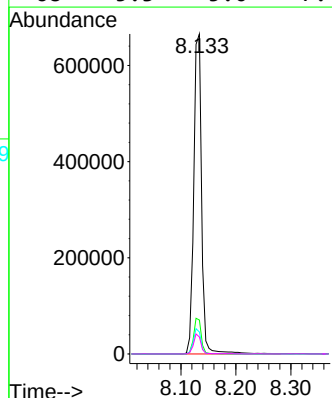
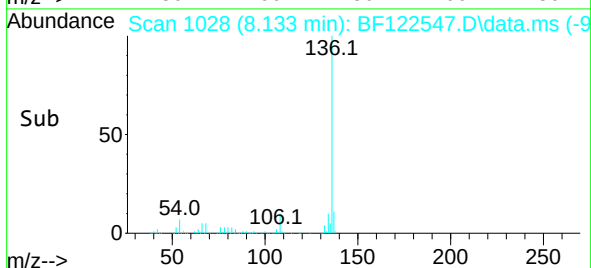
Tgt Ion: 70 Resp: 94409
Ion Ratio Lower Upper
70 100
42 46.1 50.2 75.4#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#

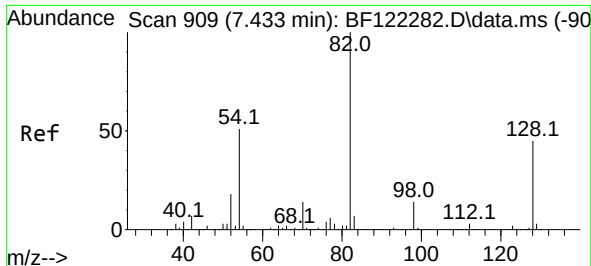


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02



Tgt Ion: 136 Resp: 655404
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.9 7.1 10.7#
68 5.3 5.0 7.4

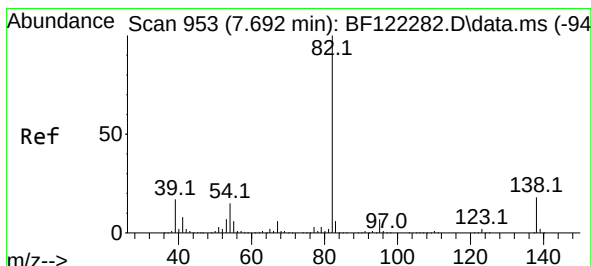
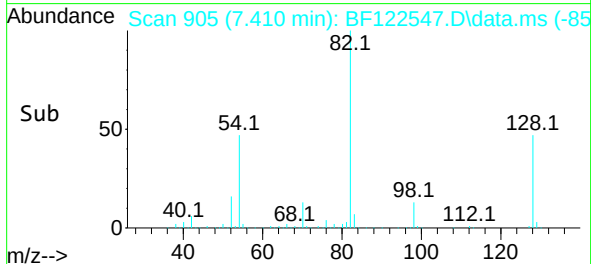
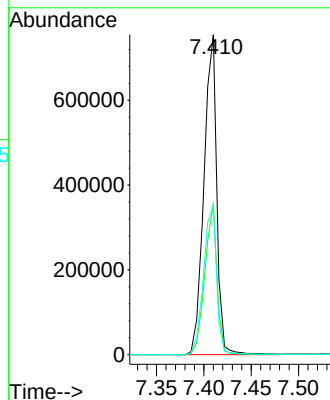
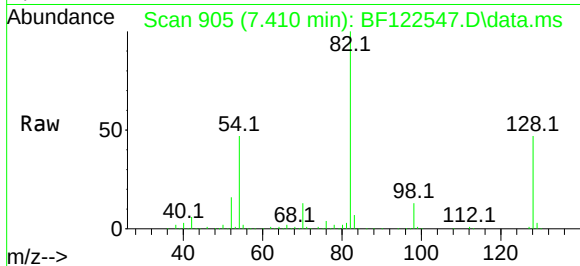




#23
Nitrobenzene-d5
Concen: 66.61 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

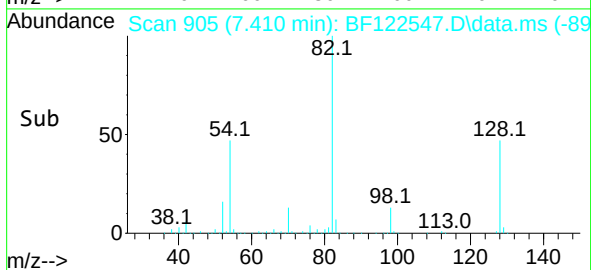
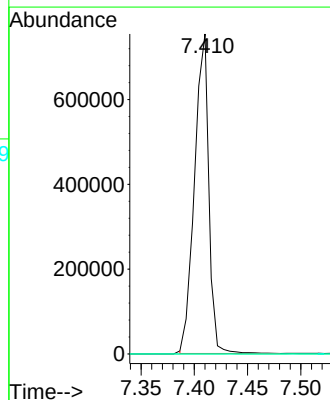
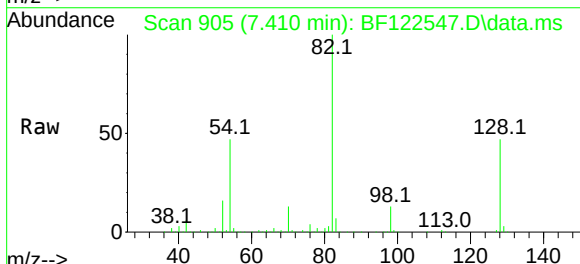
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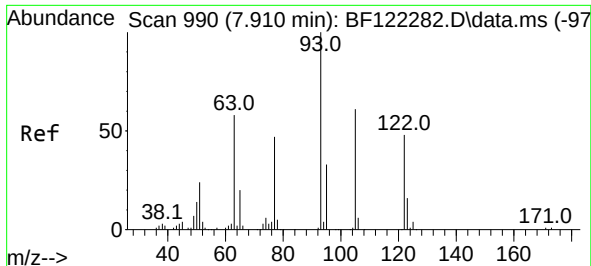
Tgt Ion: 82 Resp: 713089
Ion Ratio Lower Upper
82 100
128 47.1 35.0 52.4
54 46.6 43.9 65.9



#25
Isophorone
Concen: 29.46 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion: 82 Resp: 703028
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#

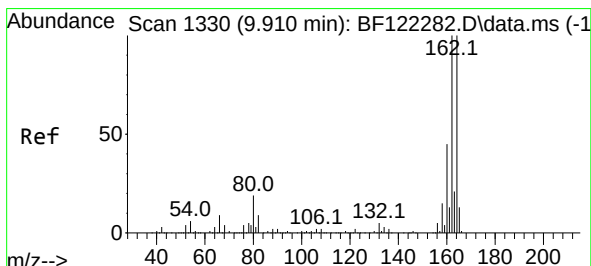
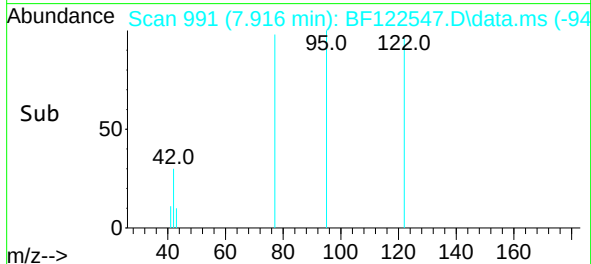
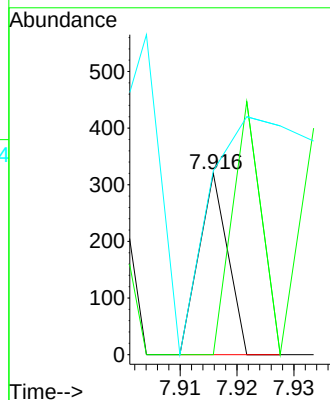
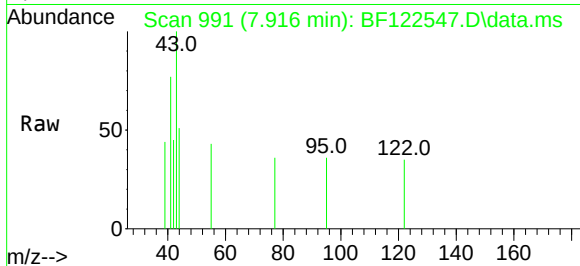




#32
Benzoic acid
Concen: 7.98 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

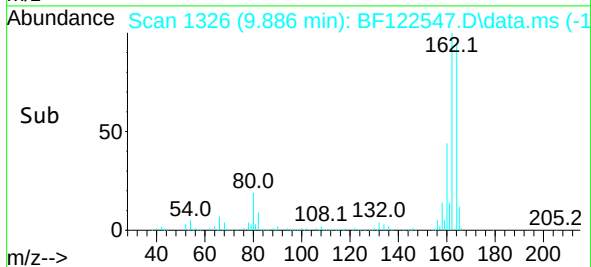
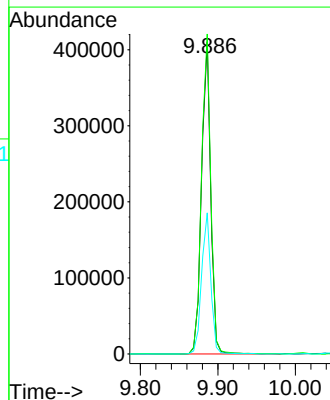
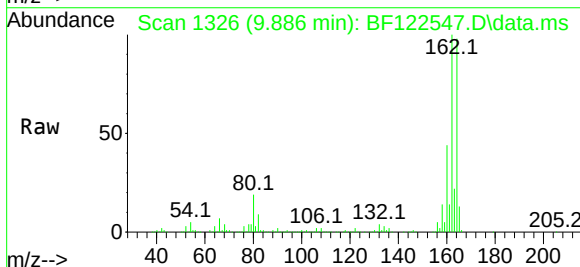
Instrument :
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ClientSampleId :
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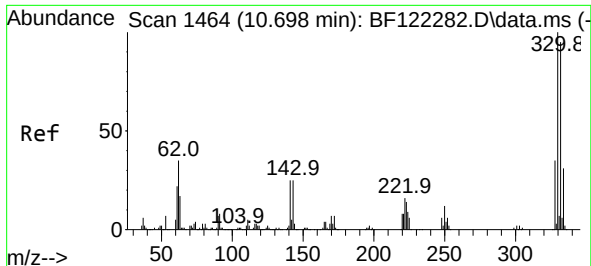
Tgt Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 101.6 73.9 113.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:164 Resp: 337601
Ion Ratio Lower Upper
164 100
162 102.5 83.2 124.8
160 45.2 37.5 56.3

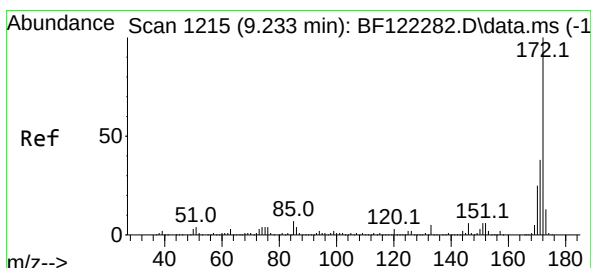
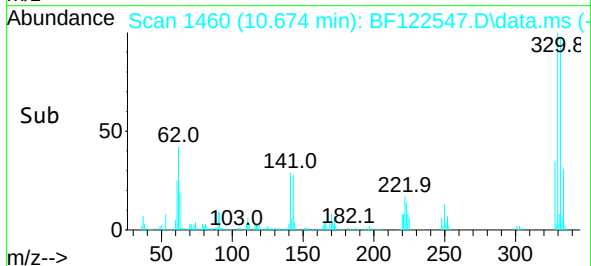
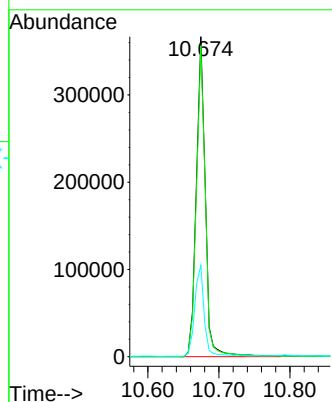
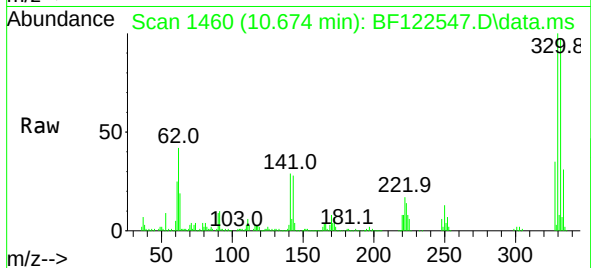




#42
2,4,6-Tribromophenol
Concen: 89.96 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

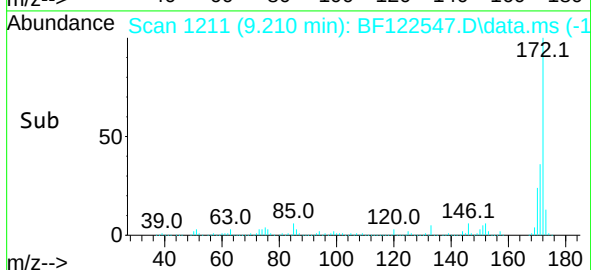
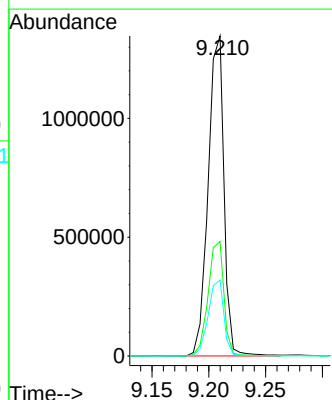
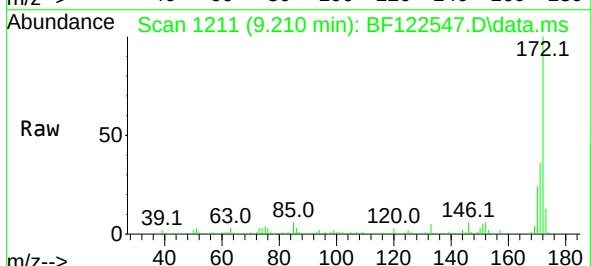
Instrument :
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ClientSampled :
VNJ-214

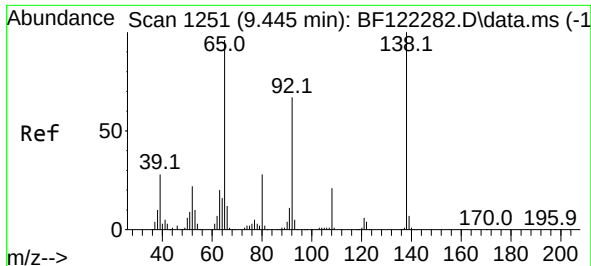
Tgt Ion:330 Resp: 325964
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 29.9 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 60.35 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:172 Resp: 1303918
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 23.7 19.8 29.6

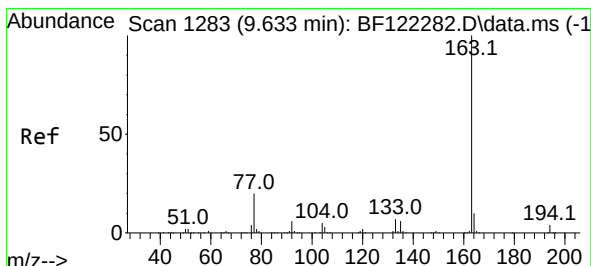
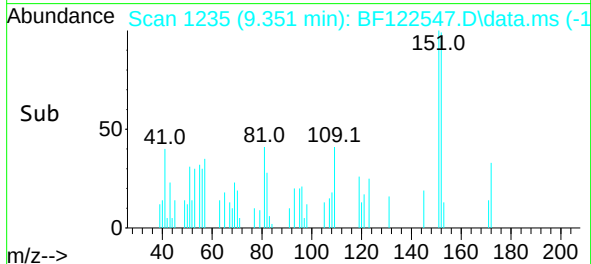
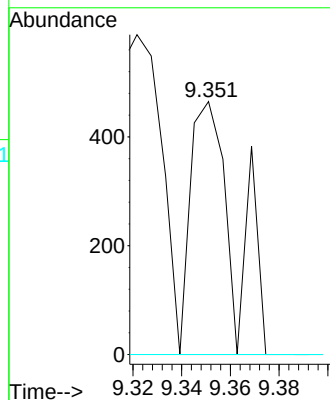
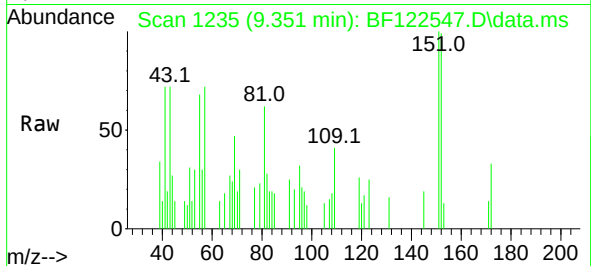




#48
2-Nitroaniline
Concen: 5.25 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.082 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

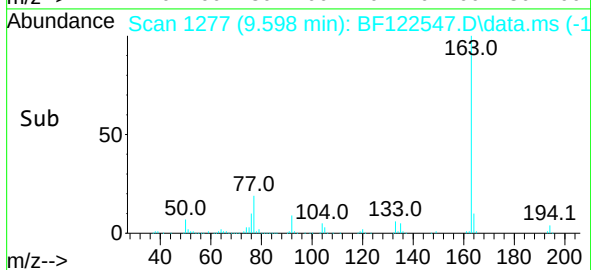
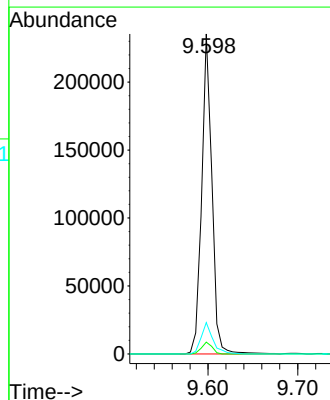
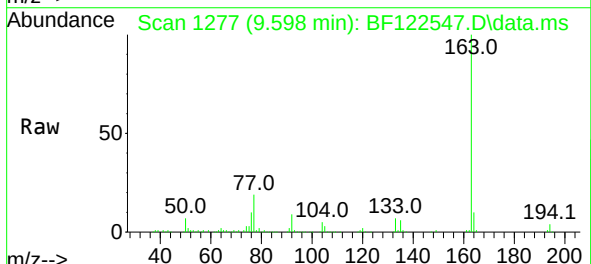
Instrument :
BNA_F
ClientSampleId :
VNJ-214

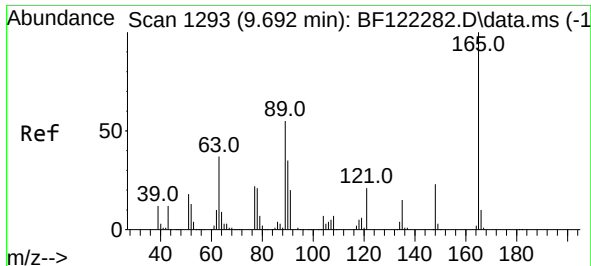
Tgt Ion: 65 Resp: 576
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#



#50
Dimethylphthalate
Concen: 7.76 ng
RT: 9.598 min Scan# 1277
Delta R.T. -0.018 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:163 Resp: 186181
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.8 8.2 12.4

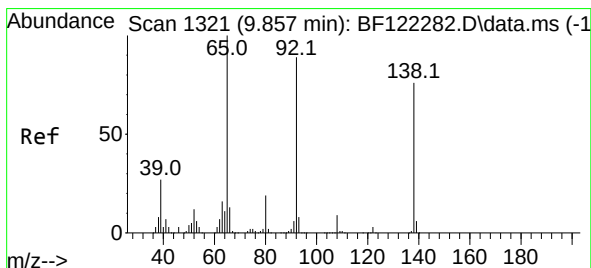
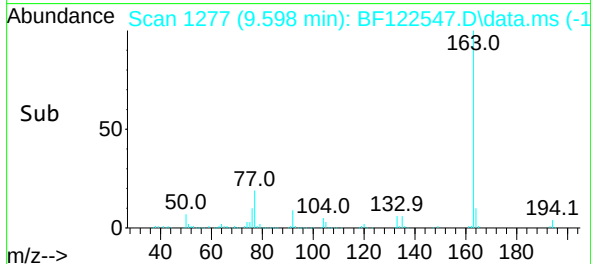
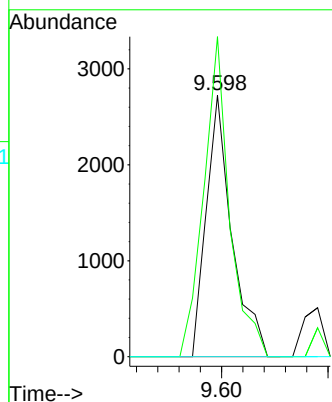
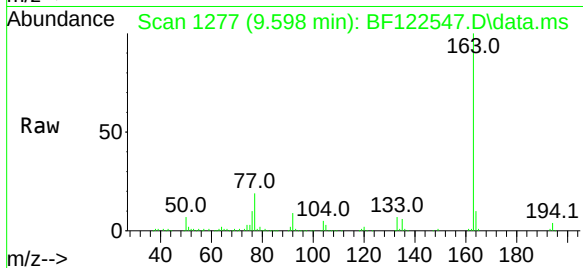




#51
2,6-Dinitrotoluene
Concen: 4.21 ng
RT: 9.598 min Scan# 1277
Delta R.T. -0.077 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

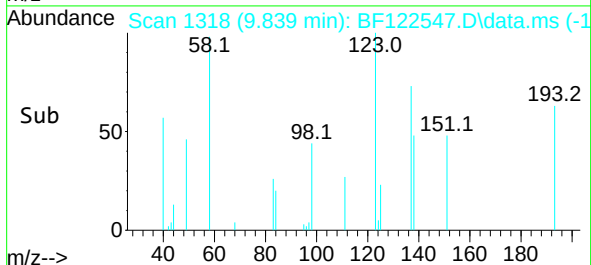
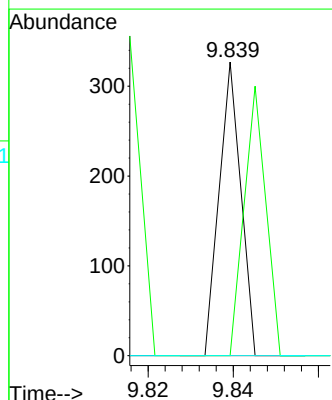
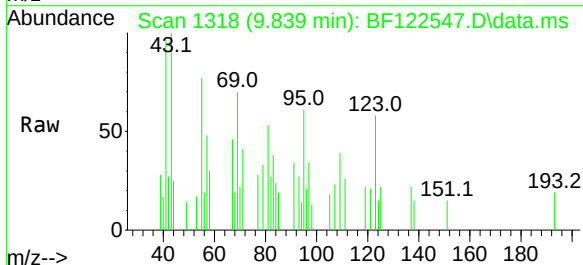
Instrument :
BNA_F
ClientSampled :
VNJ-214

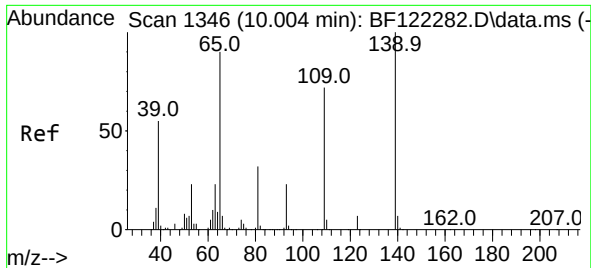
Tgt Ion:165 Resp: 2277
Ion Ratio Lower Upper
165 100
63 122.4 51.8 77.6#
89 0.0 49.0 73.6#



#53
3-Nitroaniline
Concen: 3.58 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:138 Resp: 115
Ion Ratio Lower Upper
138 100
108 0.0 8.6 13.0#
92 0.0 96.6 144.8#

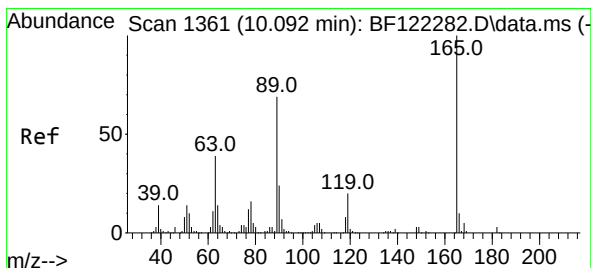
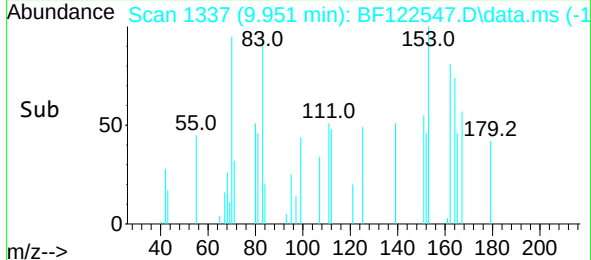
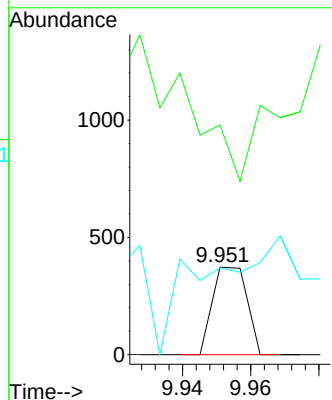
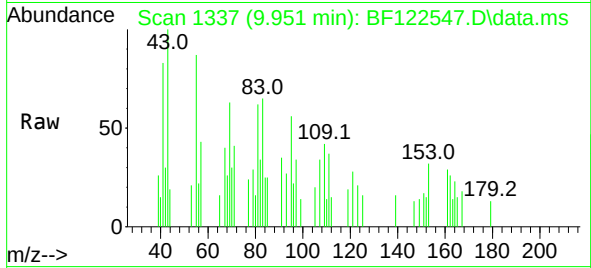




#56
4-Nitrophenol
Concen: 5.45 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.053 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

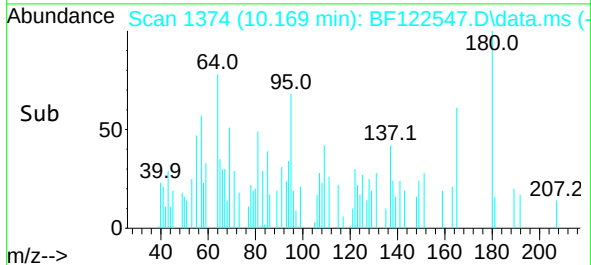
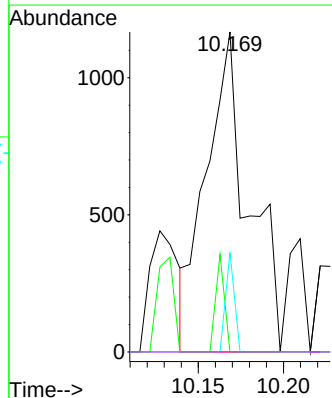
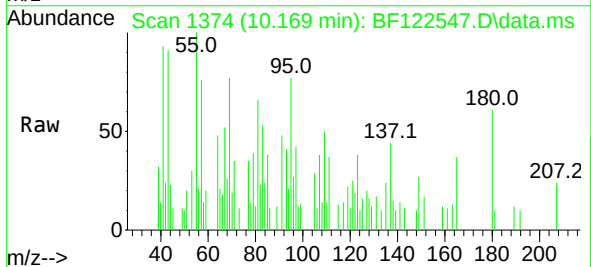
Instrument :
BNA_F
ClientSampleId :
VNJ-214

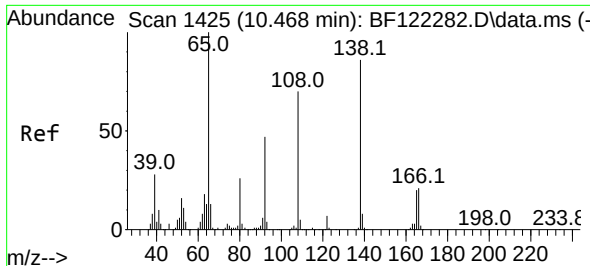
Tgt Ion:139 Resp: 262
Ion Ratio Lower Upper
139 100
109 262.5 45.4 85.4#
65 99.2 68.4 108.4



#57
2,4-Dinitrotoluene
Concen: 4.99 ng
RT: 10.169 min Scan# 1374
Delta R.T. 0.088 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:165 Resp: 2013
Ion Ratio Lower Upper
165 100
63 0.0 41.3 61.9#
89 31.1 61.8 92.8#
182 0.0 2.1 3.1#

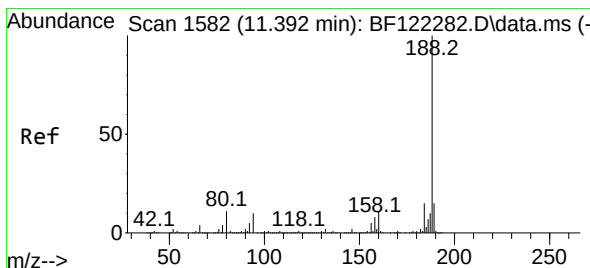
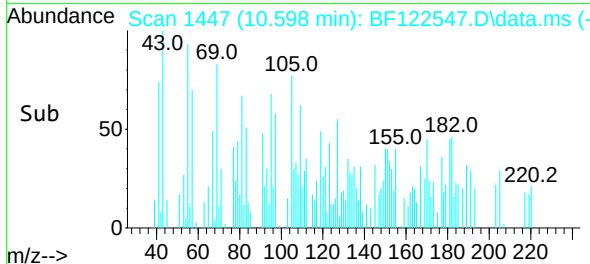
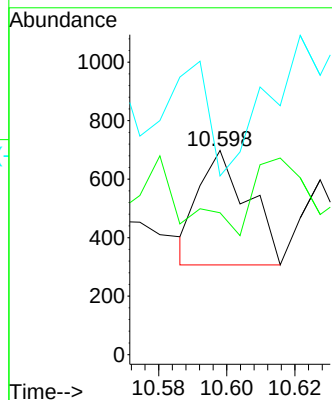
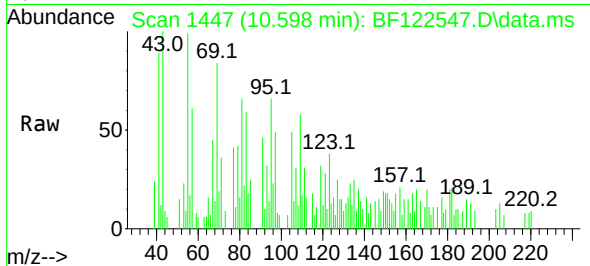




#62
4-Nitroaniline
Concen: 3.44 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.141 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

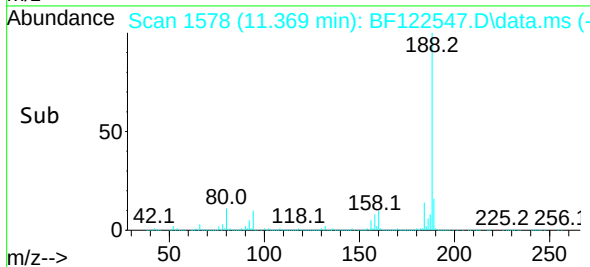
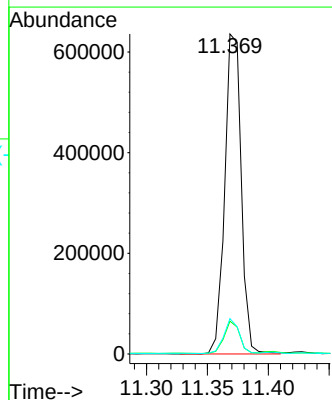
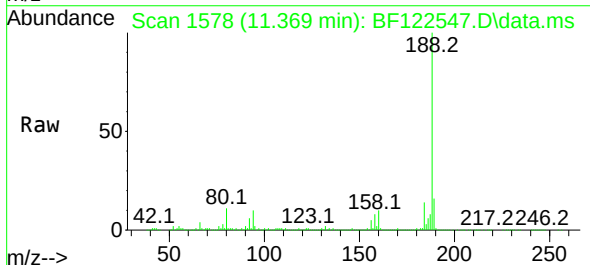
Instrument :
BNA_F
ClientSampleId :
VNJ-214

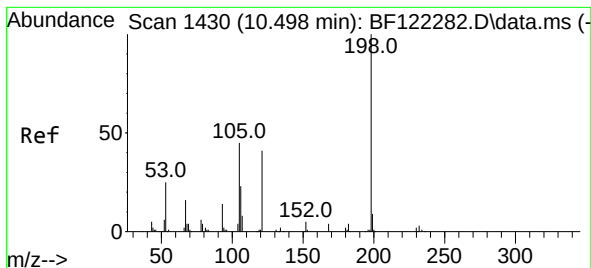
Tgt Ion:138 Resp: 391
Ion Ratio Lower Upper
138 100
92 69.5 31.0 71.0
108 87.5 51.5 91.5



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:188 Resp: 598539
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.0 9.1 13.7

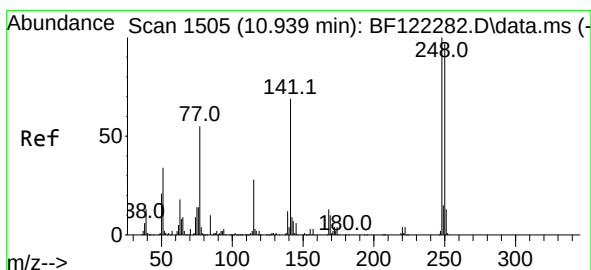
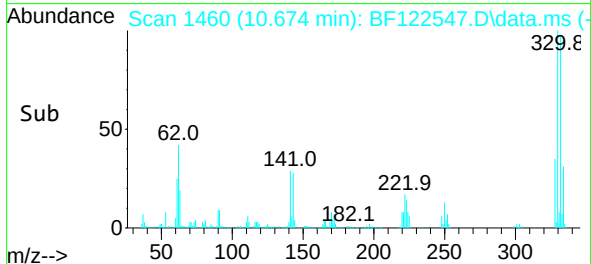
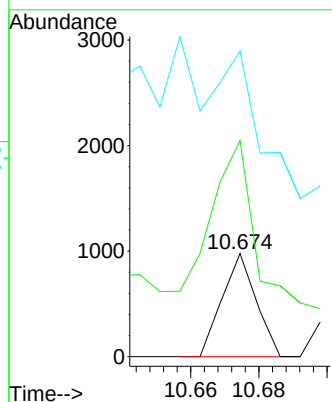
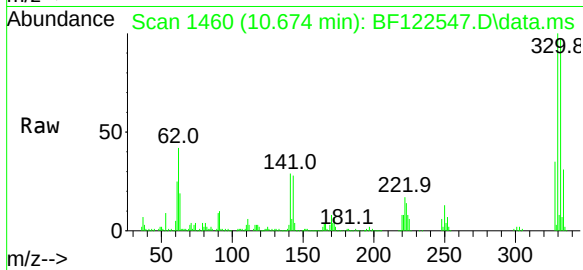




#65
4,6-Dinitro-2-methylphenol
Concen: 6.47 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.188 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

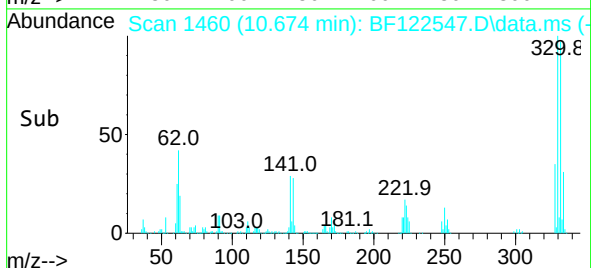
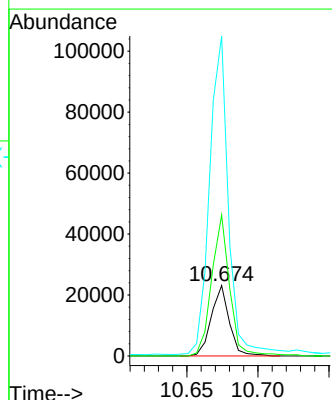
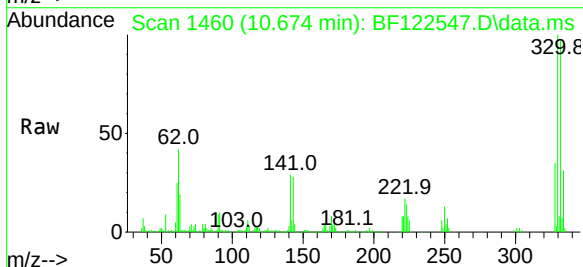
Instrument :
BNA_F
ClientSampled :
VNJ-214

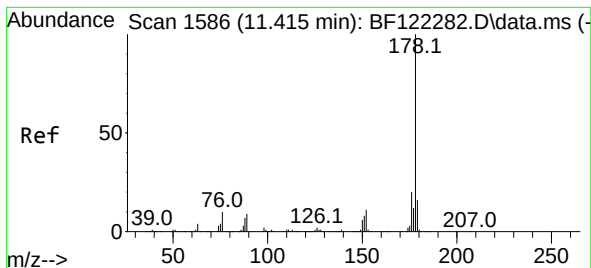
Tgt Ion:198 Resp: 675
Ion Ratio Lower Upper
198 100
51 209.4 29.6 69.6#
105 296.0 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 2.90 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:248 Resp: 20388
Ion Ratio Lower Upper
248 100
250 200.0 77.0 115.6#
141 454.0 53.7 80.5#





#71

Phenanthrene

Concen: 2.90 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF122547.D

Acq: 4 Dec 2020 16:02

Tgt Ion:178 Resp: 98432

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

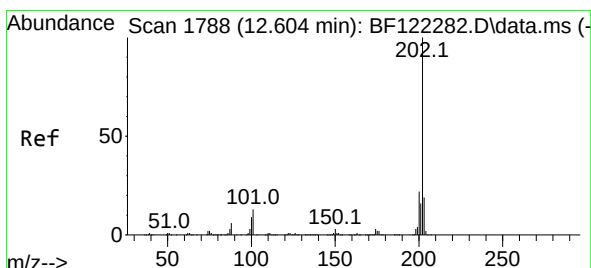
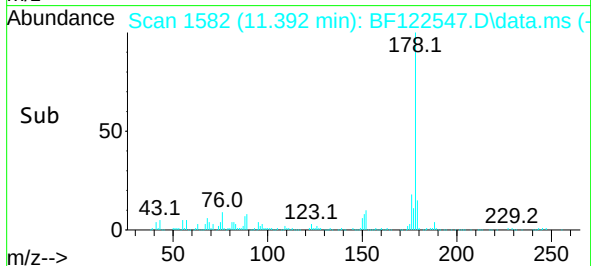
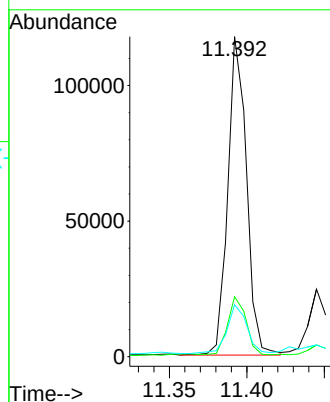
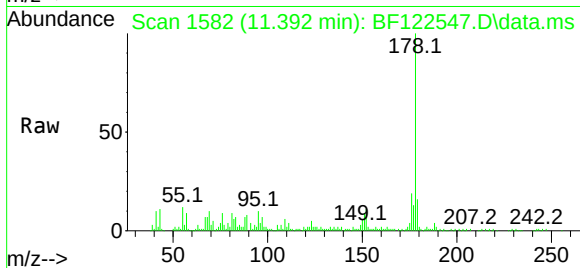
179 16.3 12.2 18.4

Instrument :

BNA_F

ClientSampleId :

VNJ-214



#75

Fluoranthene

Concen: 6.30 ng

RT: 12.586 min Scan# 1785

Delta R.T. -0.006 min

Lab File: BF122547.D

Acq: 4 Dec 2020 16:02

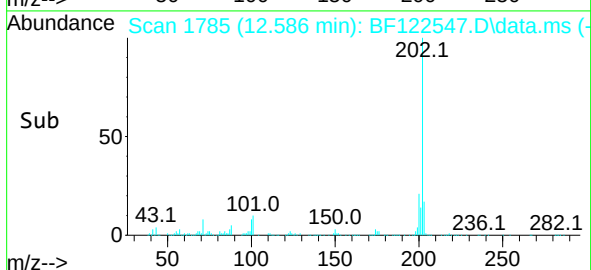
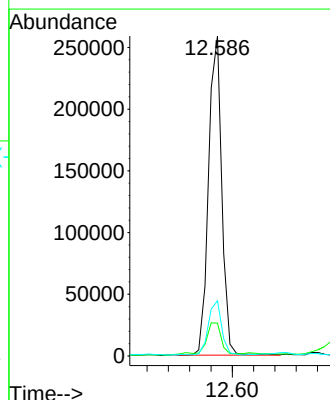
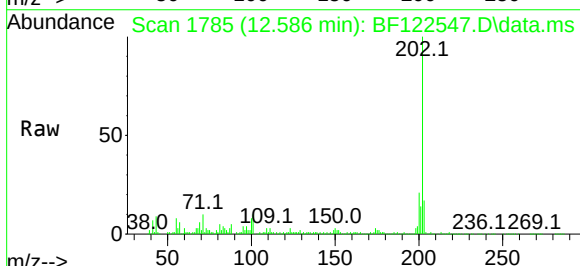
Tgt Ion:202 Resp: 223412

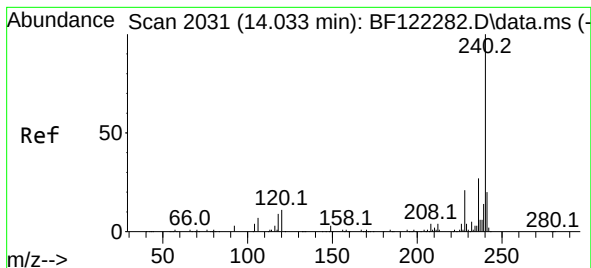
Ion Ratio Lower Upper

202 100

101 10.3 0.0 33.4

203 17.2 0.0 37.9

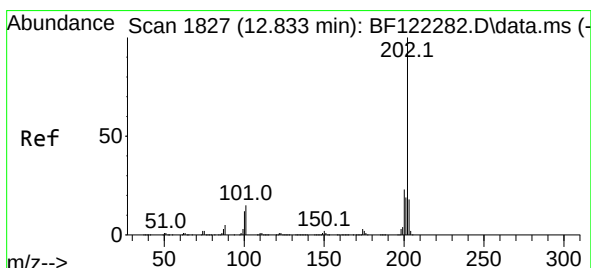
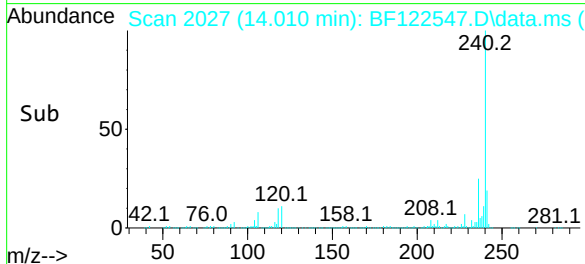
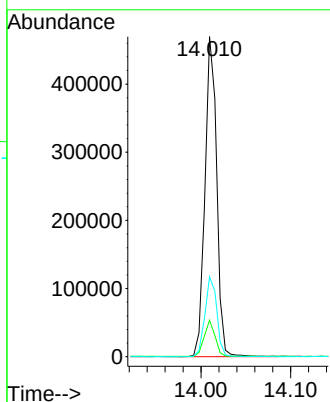
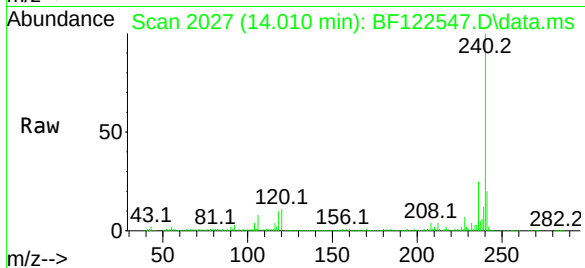




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

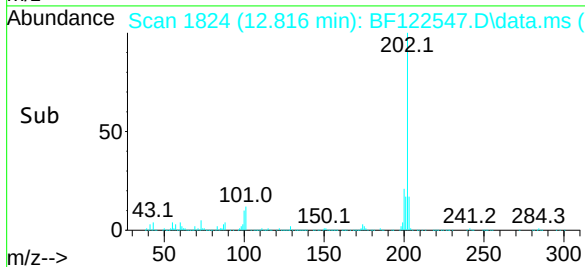
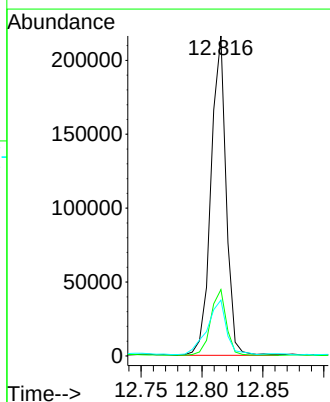
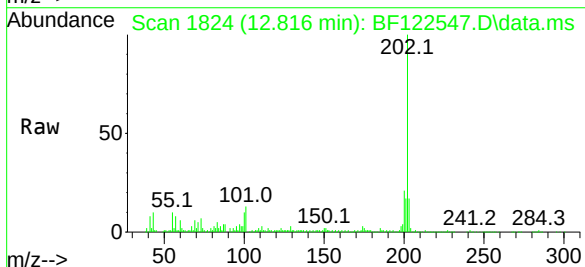
Instrument :
BNA_F
ClientSampleId :
VNJ-214

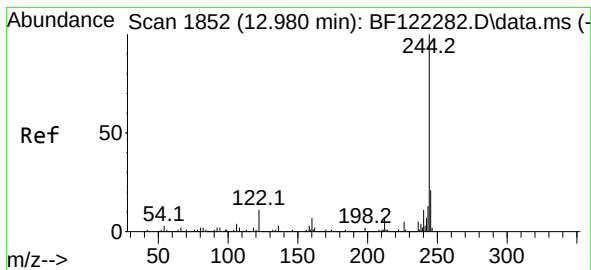
Tgt Ion:240 Resp: 426909
Ion Ratio Lower Upper
240 100
120 11.4 9.2 13.8
236 25.0 20.9 31.3



#78
Pyrene
Concen: 6.25 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:202 Resp: 187536
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.4 14.6 21.8





#79

Terphenyl-d14

Concen: 59.73 ng

RT: 12.963 min Scan# 1849

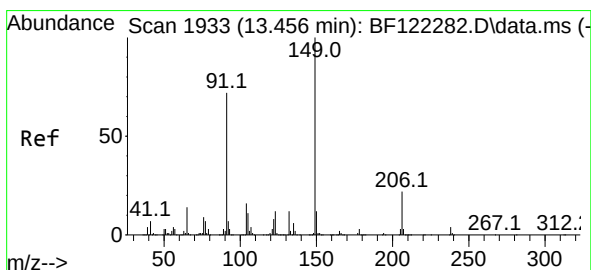
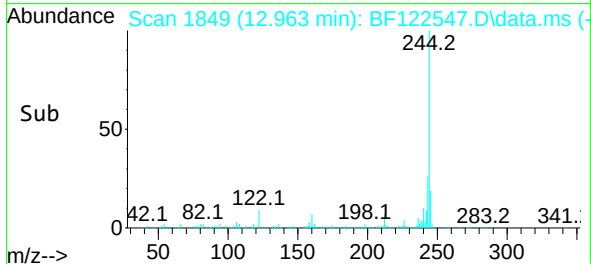
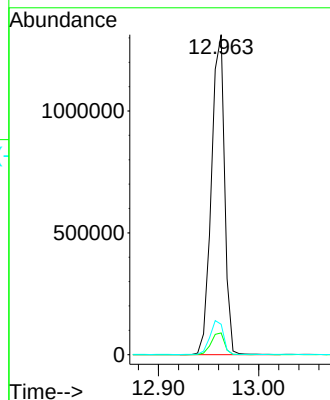
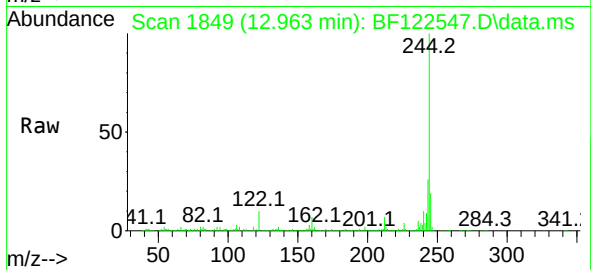
Delta R.T. -0.000 min

Lab File: BF122547.D

Acq: 4 Dec 2020 16:02

Tgt Ion:244 Resp: 1203720

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	9.5	8.1	12.1



#80

Butylbenzylphthalate

Concen: 3.80 ng

RT: 13.439 min Scan# 1930

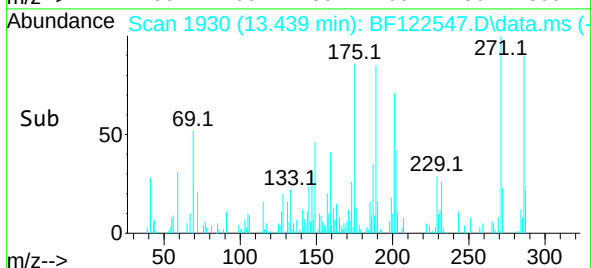
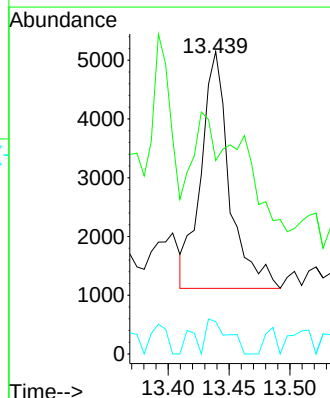
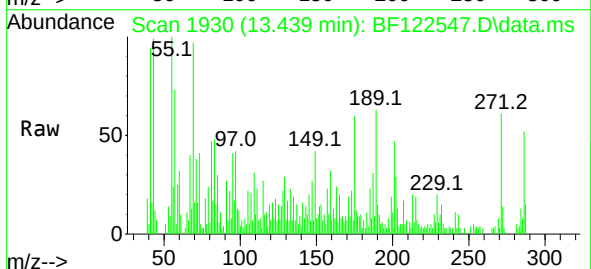
Delta R.T. 0.006 min

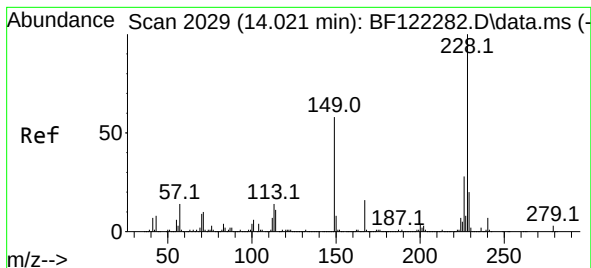
Lab File: BF122547.D

Acq: 4 Dec 2020 16:02

Tgt Ion:149 Resp: 6557

Ion	Ratio	Lower	Upper
149	100		
91	64.0	61.0	91.4
206	10.7	16.7	25.1#

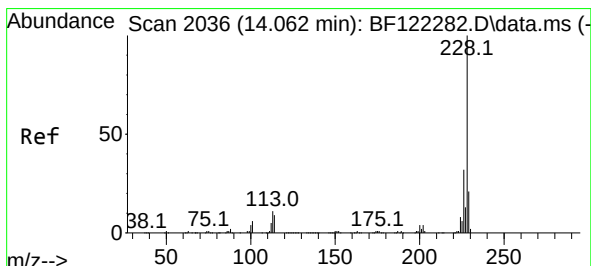
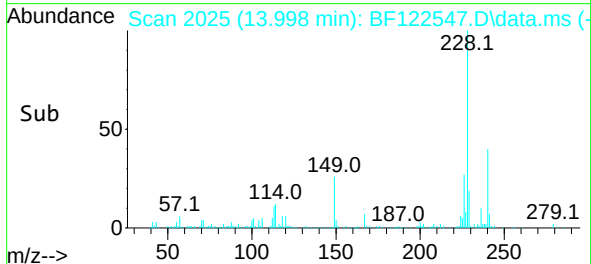
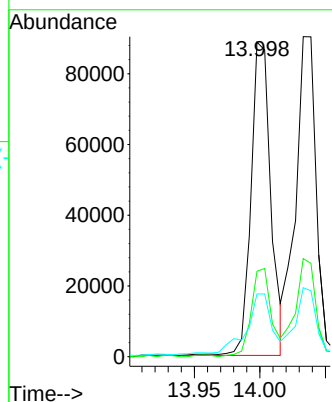
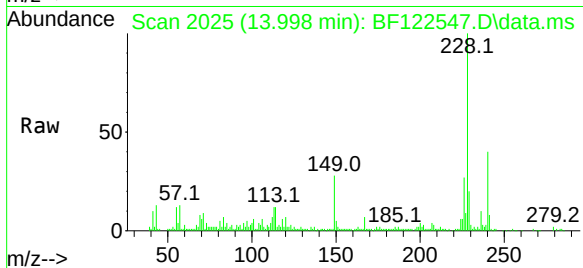




#81
Benzo(a)anthracene
Concen: 3.50 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

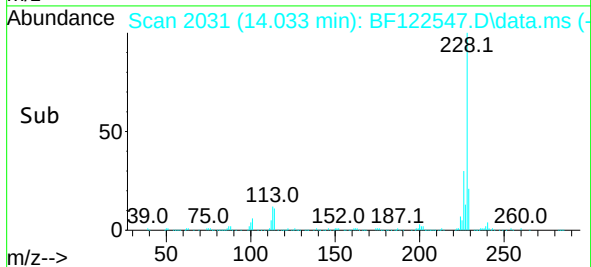
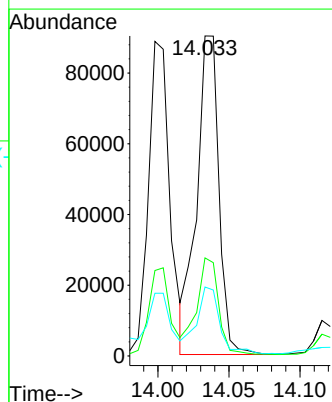
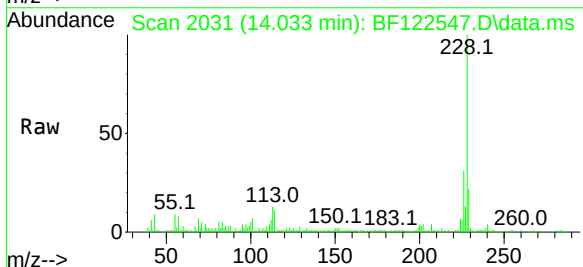
Instrument :
BNA_F
ClientSampleId :
VNJ-214

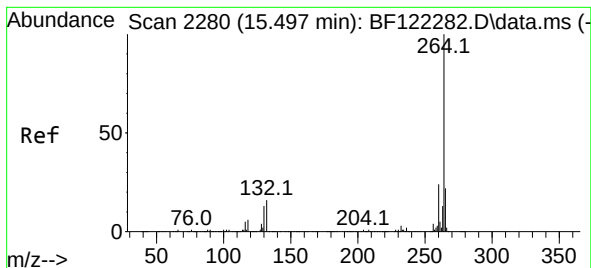
Tgt Ion:228 Resp: 92842
Ion Ratio Lower Upper
228 100
226 27.2 22.3 33.5
229 20.0 16.2 24.4



#83
Chrysene
Concen: 3.69 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:228 Resp: 98602
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 21.6 15.9 23.9

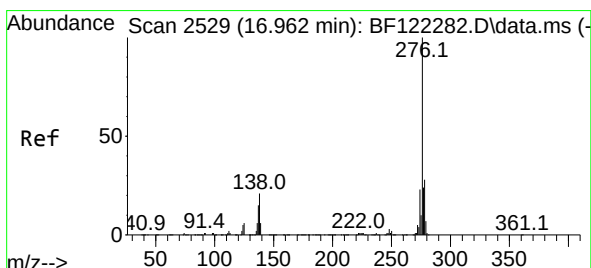
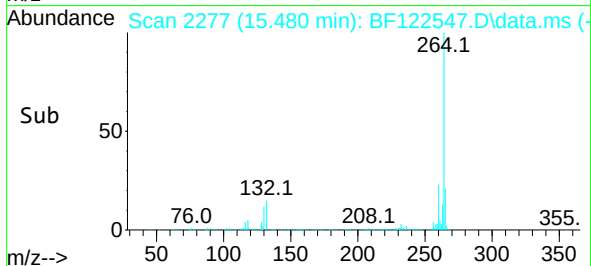
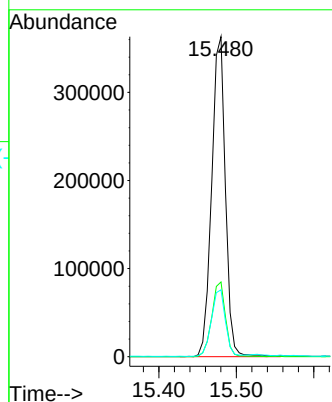
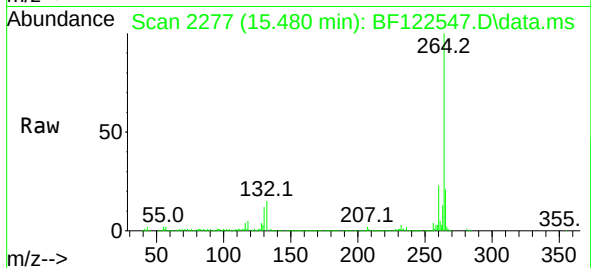




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

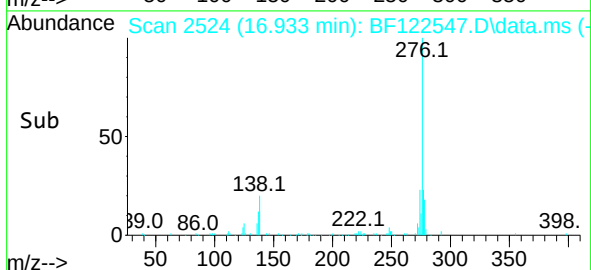
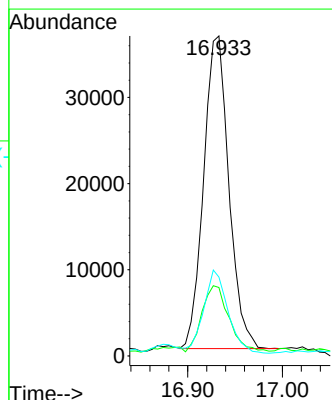
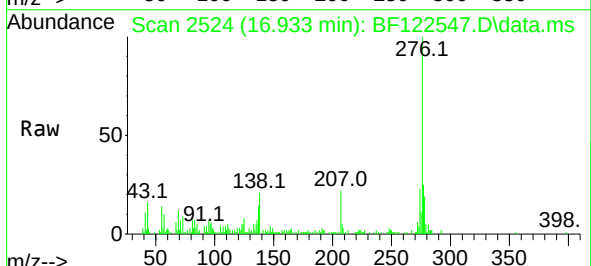
Instrument :
BNA_F
ClientSampleId :
VNJ-214

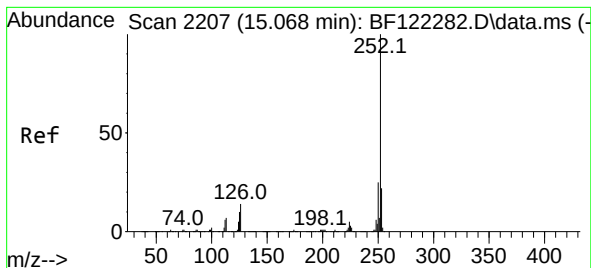
Tgt Ion:264 Resp: 447428
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 20.9 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.50 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF122547.D
Acq: 4 Dec 2020 16:02

Tgt Ion:276 Resp: 67105
Ion Ratio Lower Upper
276 100
138 22.5 19.9 29.9
277 25.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 6.18 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BF122547.D

Acq: 4 Dec 2020 16:02

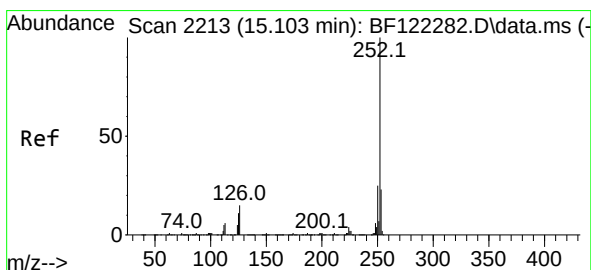
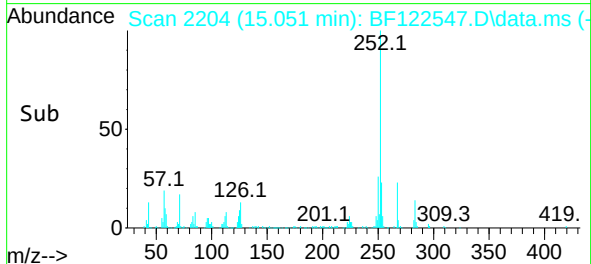
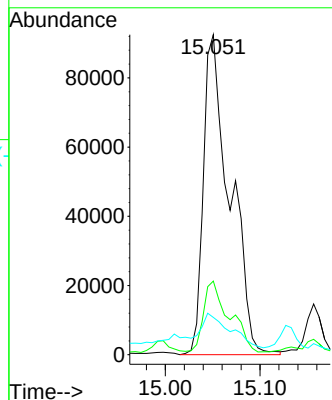
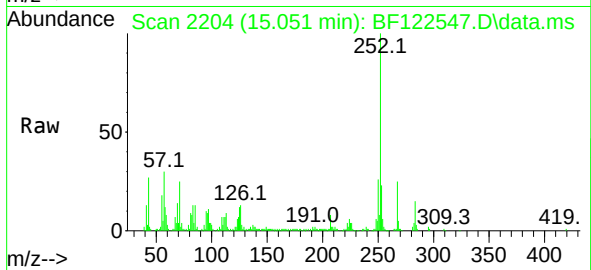
Tgt Ion:252 Resp: 179163

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

125 11.7 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 6.34 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF122547.D

Acq: 4 Dec 2020 16:02

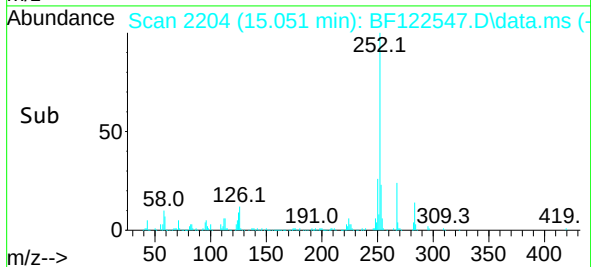
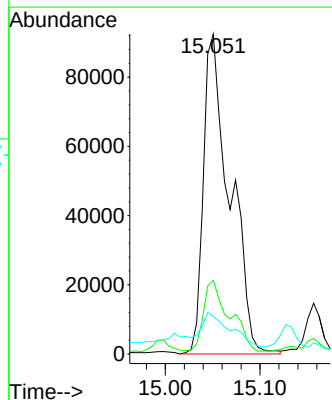
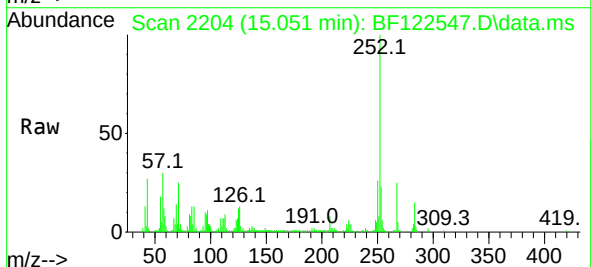
Tgt Ion:252 Resp: 179163

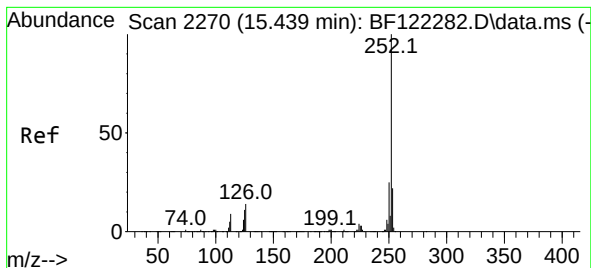
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 11.7 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 3.51 ng

RT: 15.409 min Scan# 2265

Delta R.T. -0.012 min

Lab File: BF122547.D

Acq: 4 Dec 2020 16:02

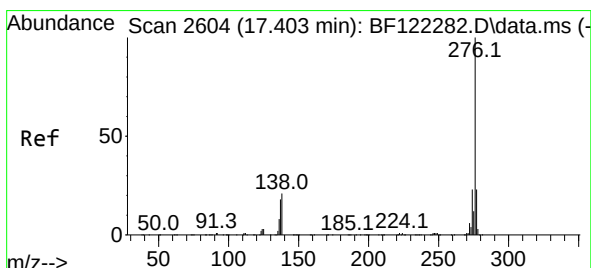
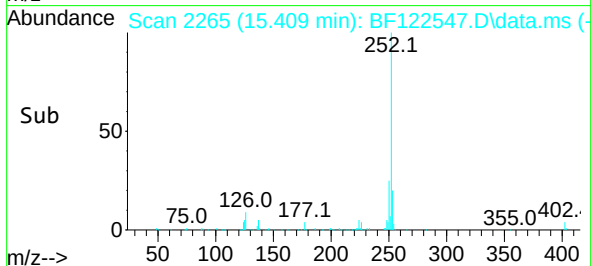
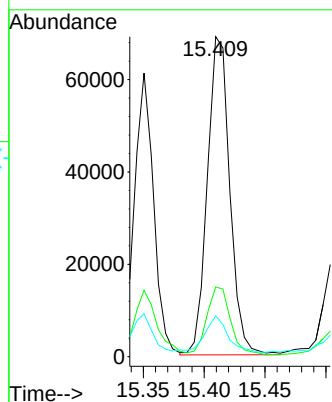
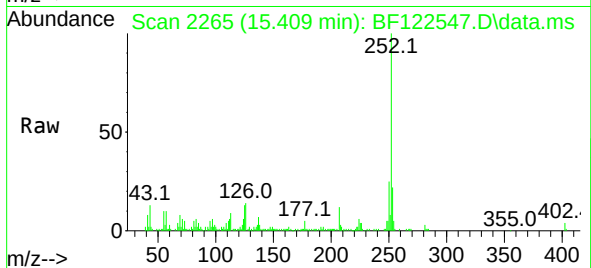
Tgt Ion:252 Resp: 88694

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 12.8 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 3.26 ng

RT: 17.374 min Scan# 2599

Delta R.T. -0.012 min

Lab File: BF122547.D

Acq: 4 Dec 2020 16:02

Tgt Ion:276 Resp: 71338

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.2

138 21.7 17.8 26.6

