

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133820.D
 Acq On : 16 Jun 2023 22:28
 Operator : CG\JU
 Sample : 03224-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-10

Quant Time: Jun 17 00:13:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

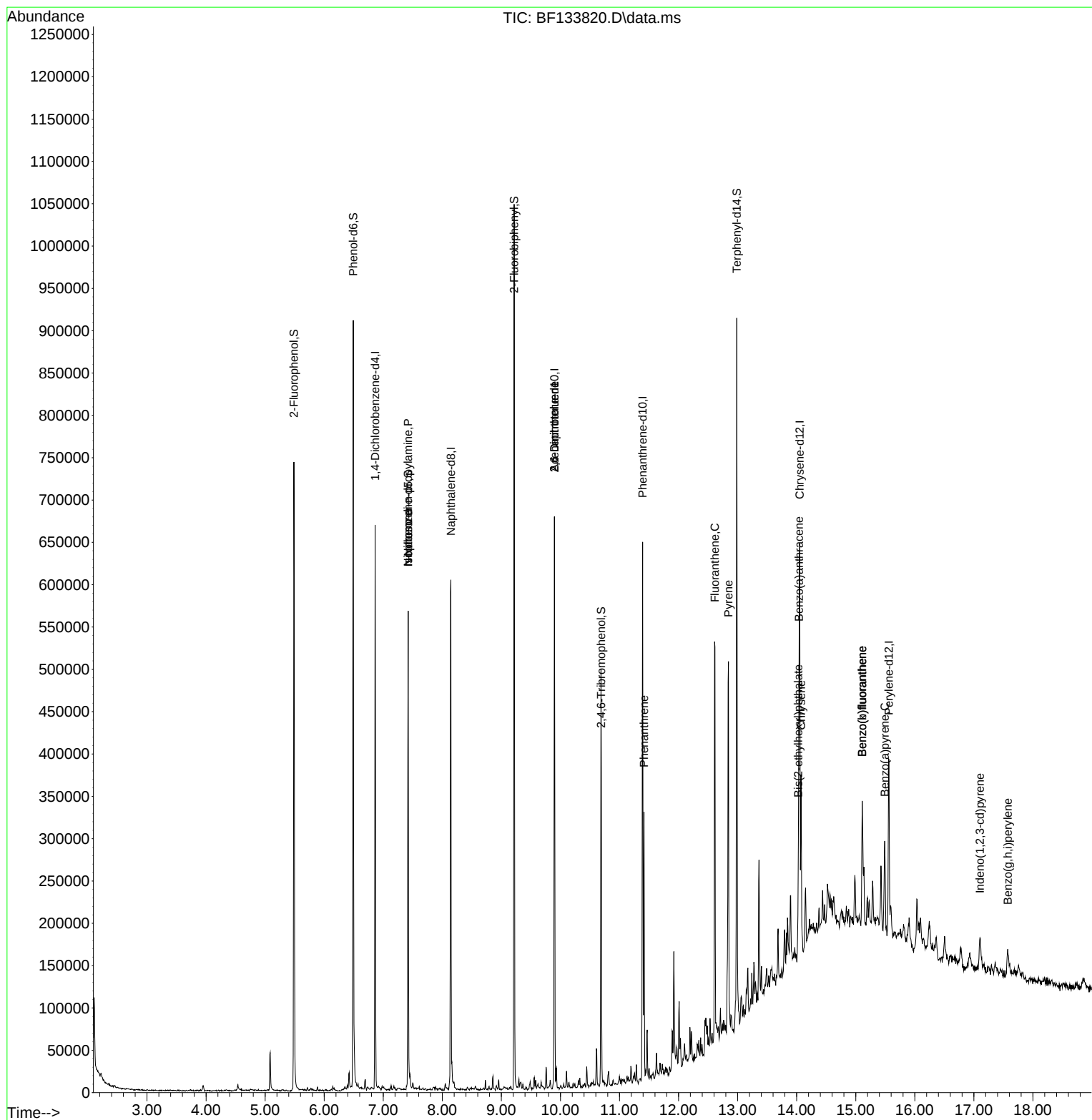
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	86914	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	269779	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	119769	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	216734	20.000	ng	0.00
76) Chrysene-d12	14.051	240	134812	20.000	ng	0.00
86) Perylene-d12	15.562	264	102309	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	186752	37.407	ng	0.00
7) Phenol-d6	6.492	99	251316	38.673	ng	0.00
23) Nitrobenzene-d5	7.422	82	151093	30.505	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	52060	34.339	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	267067	31.698	ng	0.00
79) Terphenyl-d14	12.986	244	258690	29.692	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	20874	5.049	ng	# 78
25) Isophorone	7.422	82	151091	16.616	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	15867	8.599	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	15867	6.761	ng	# 20
71) Phenanthrene	11.416	178	98962	9.000	ng	99
75) Fluoranthene	12.616	202	200236	17.148	ng	99
78) Pyrene	12.845	202	194822	15.513	ng	99
81) Benzo(a)anthracene	14.039	228	85879	9.210	ng	94
83) Chrysene	14.074	228	72713	8.244	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	24339	3.728	ng	98
87) Indeno(1,2,3-cd)pyrene	17.104	276	31057	4.412	ng	98
88) Benzo(b)fluoranthene	15.110	252	102239	16.451	ng	# 94
89) Benzo(k)fluoranthene	15.110	252	102239	16.888	ng	# 94
90) Benzo(a)pyrene	15.492	252	51073	8.855	ng	99
92) Benzo(g,h,i)perylene	17.574	276	29751	5.149	ng	# 88

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

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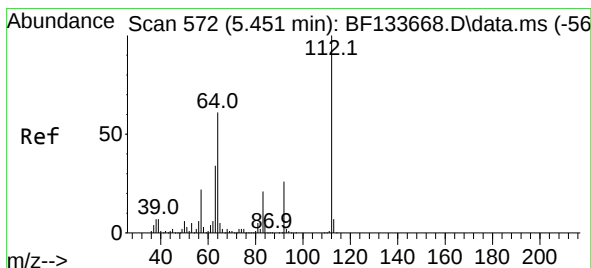
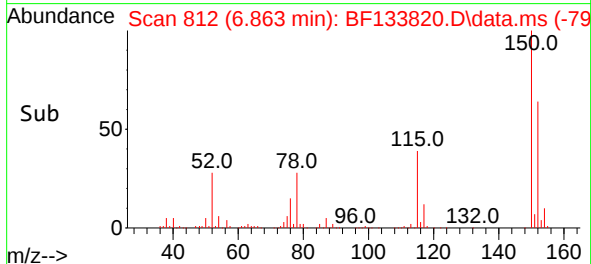
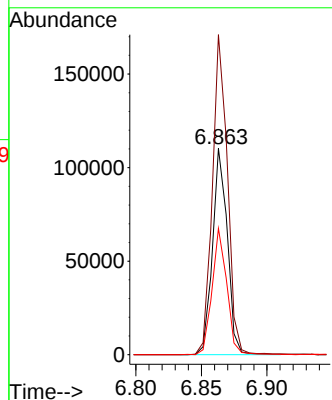
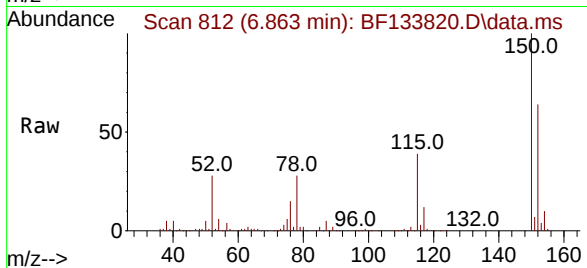




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

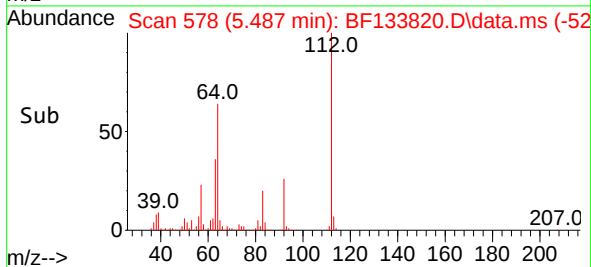
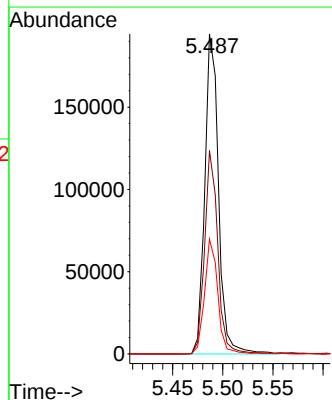
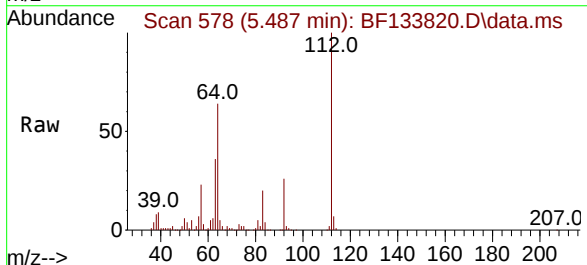
Instrument :
BNA_F
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COMPOSIT-SB-10

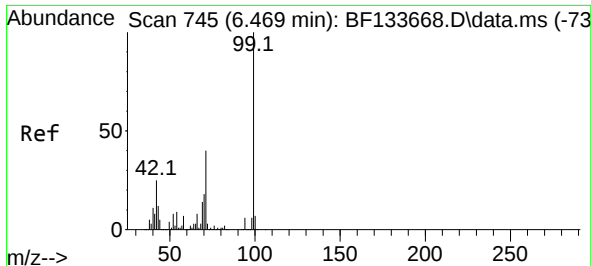
Tgt Ion:152 Resp: 86914
Ion Ratio Lower Upper
152 100
150 155.2 124.3 186.5
115 61.2 48.5 72.7



#5
2-Fluorophenol
Concen: 37.407 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

Tgt Ion:112 Resp: 186752
Ion Ratio Lower Upper
112 100
64 63.5 49.0 73.4
63 35.9 26.8 40.2

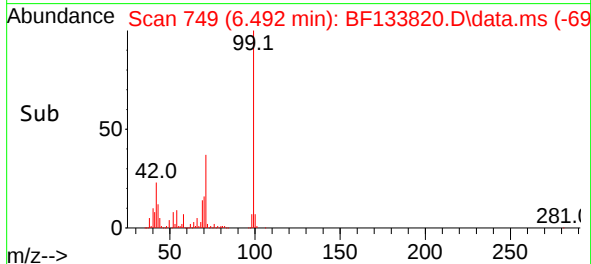
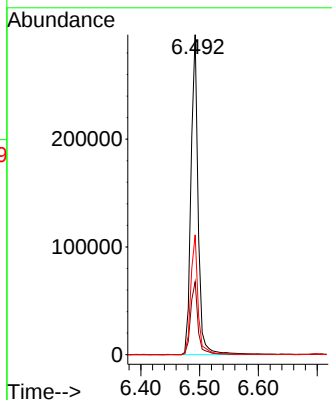
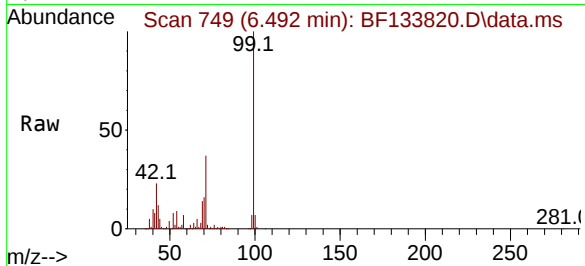




#7
Phenol-d6
Concen: 38.673 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

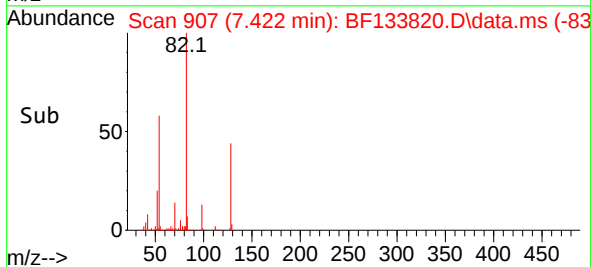
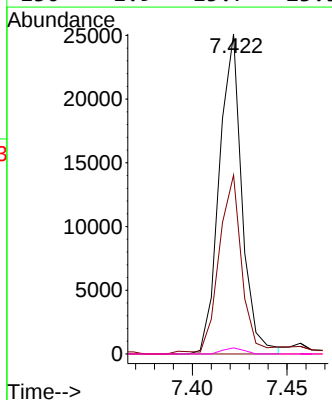
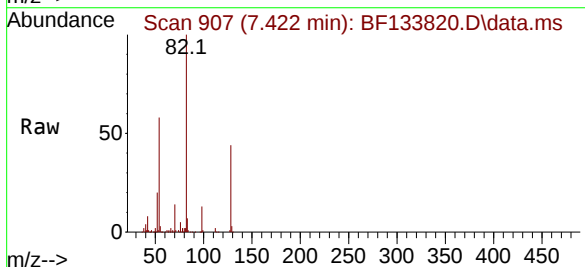
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10

Tgt Ion: 99 Resp: 251316
Ion Ratio Lower Upper
99 100
42 22.8 19.9 29.9
71 37.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.049 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

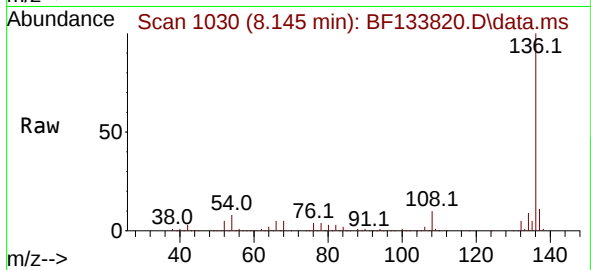
Tgt Ion: 70 Resp: 20874
Ion Ratio Lower Upper
70 100
42 55.9 55.8 83.8
101 0.0 8.1 12.1#
130 1.9 15.7 23.5#



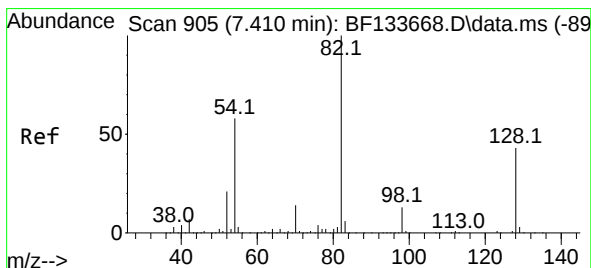
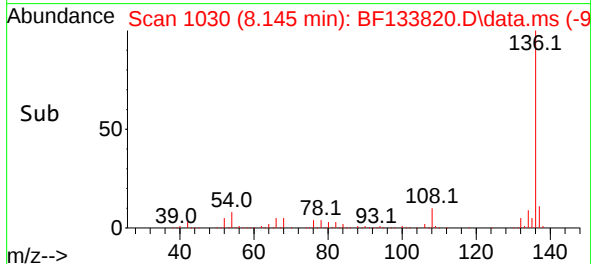
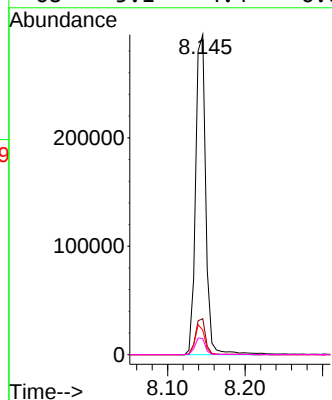


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10

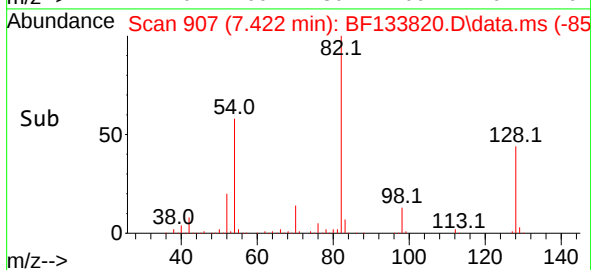
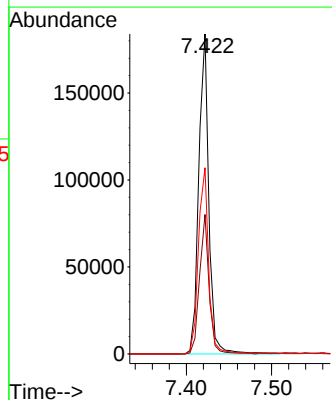
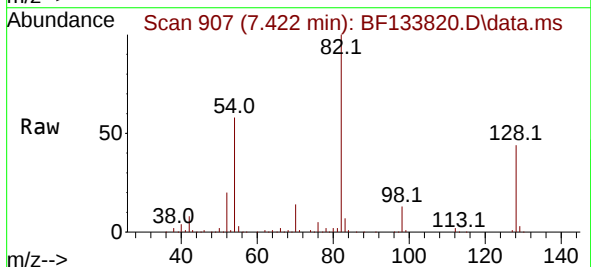


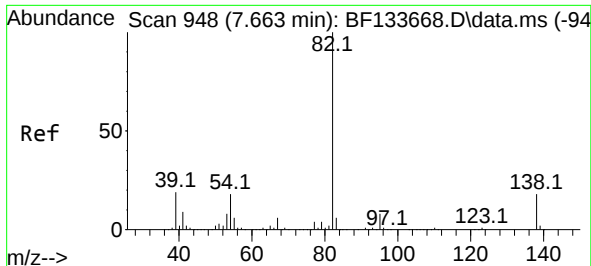
Tgt Ion:136 Resp: 269779
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.7 7.4 11.0
68 5.1 4.4 6.6



#23
Nitrobenzene-d5
Concen: 30.505 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

Tgt Ion: 82 Resp: 151093
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.2
54 58.2 46.5 69.7

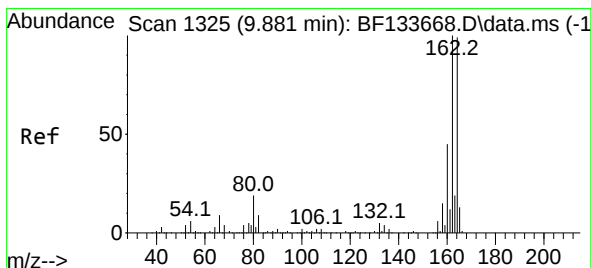
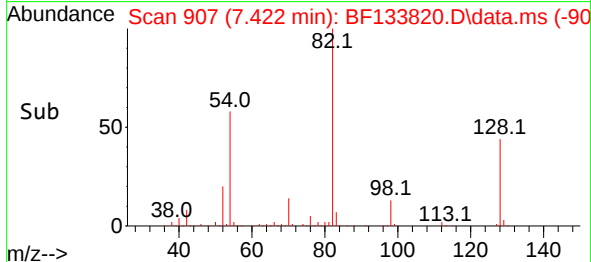
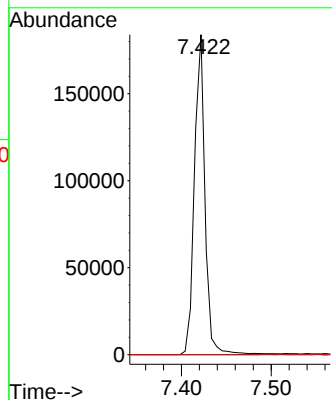
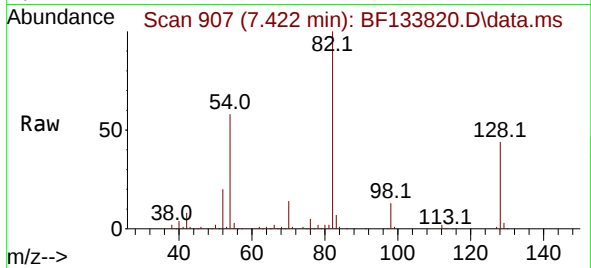




#25
Isophorone
Concen: 16.616 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

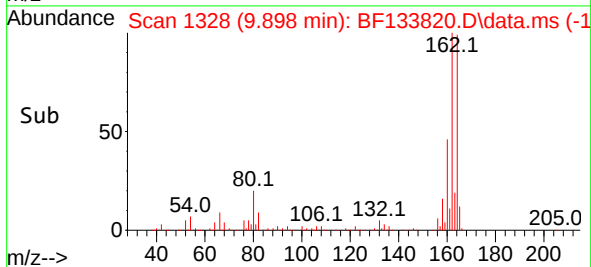
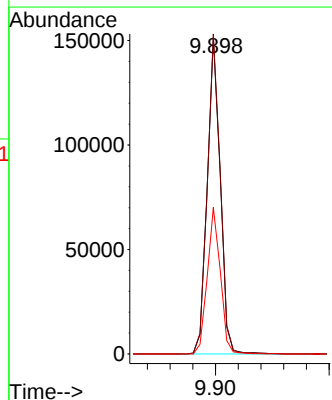
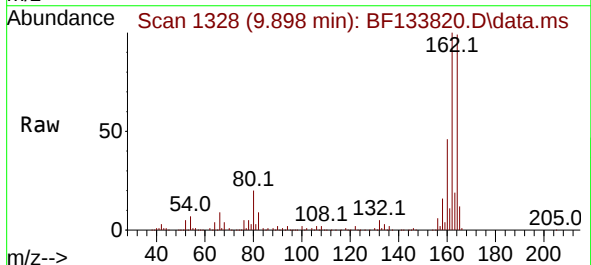
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10

Tgt Ion: 82 Resp: 151091
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

Tgt Ion:164 Resp: 119769
Ion Ratio Lower Upper
164 100
162 101.1 80.8 121.2
160 46.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 34.339 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF133820.D

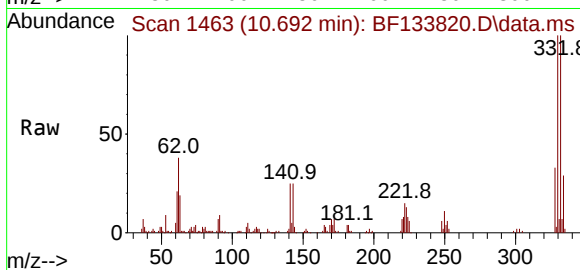
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Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10



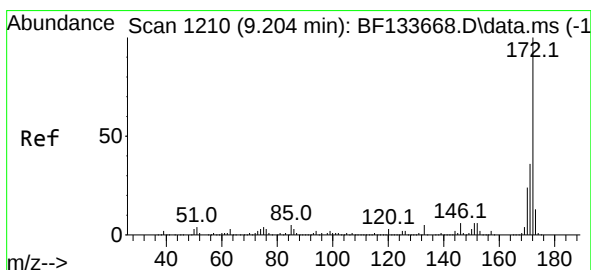
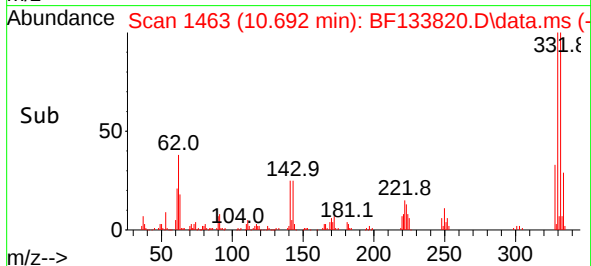
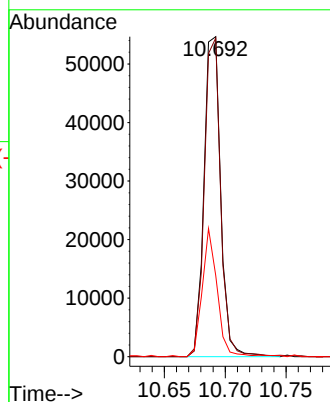
Tgt Ion:330 Resp: 52060

Ion Ratio Lower Upper

330 100

332 97.8 77.2 115.8

141 36.1 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 31.698 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

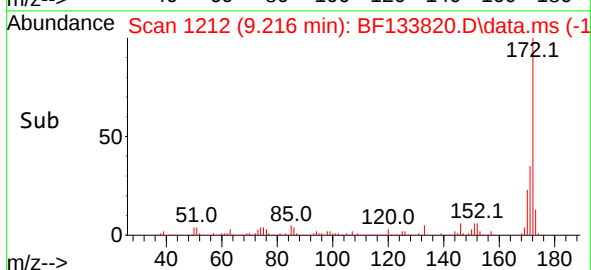
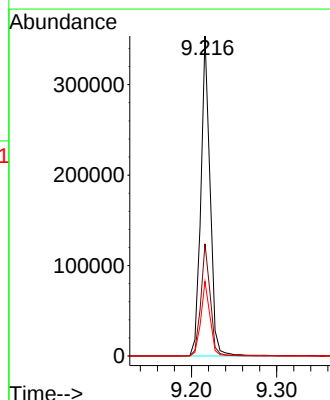
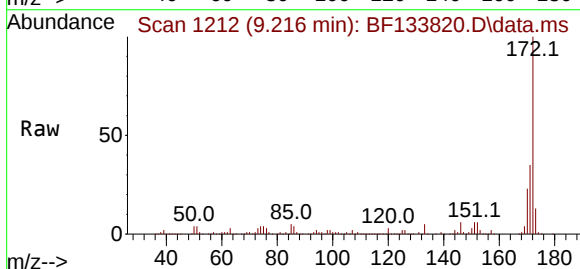
Tgt Ion:172 Resp: 267067

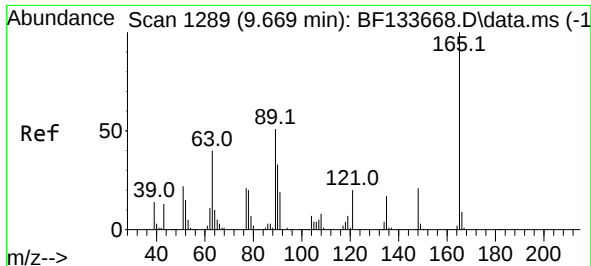
Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 23.3 19.1 28.7

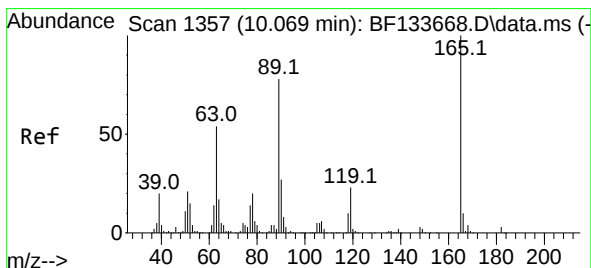
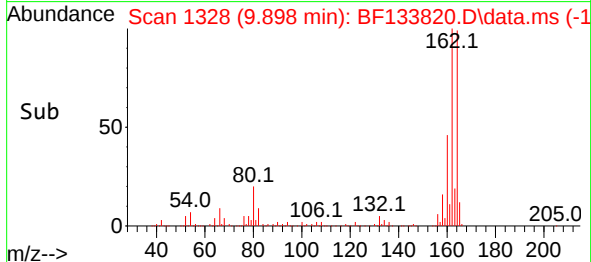
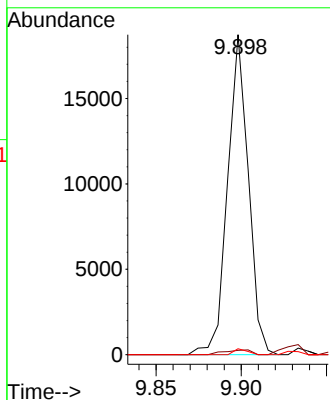
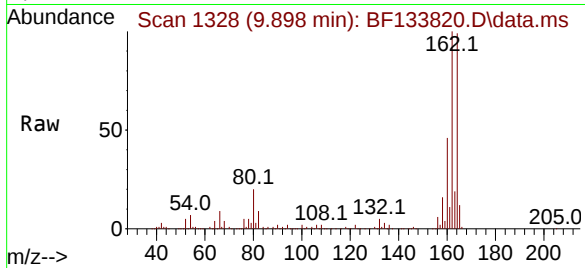




#51
2,6-Dinitrotoluene
Concen: 8.599 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

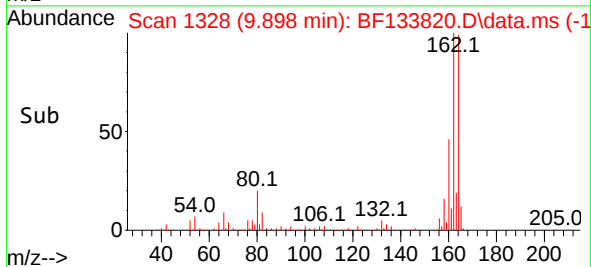
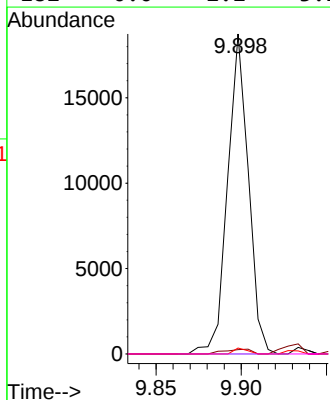
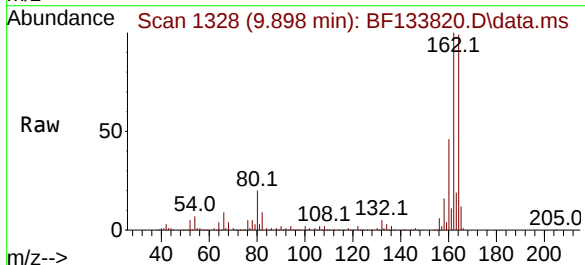
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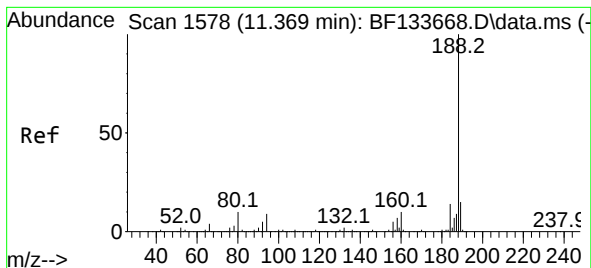
Tgt Ion:165 Resp: 15867
Ion Ratio Lower Upper
165 100
63 1.4 42.1 63.1#
89 1.9 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.761 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

Tgt Ion:165 Resp: 15867
Ion Ratio Lower Upper
165 100
63 1.4 43.0 64.6#
89 1.9 62.6 93.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10

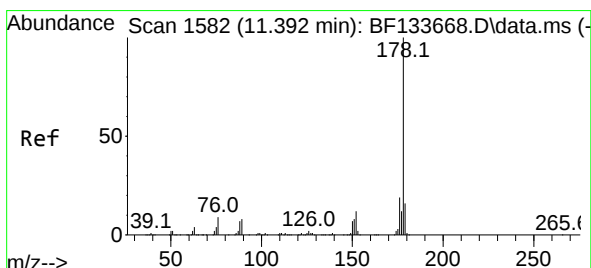
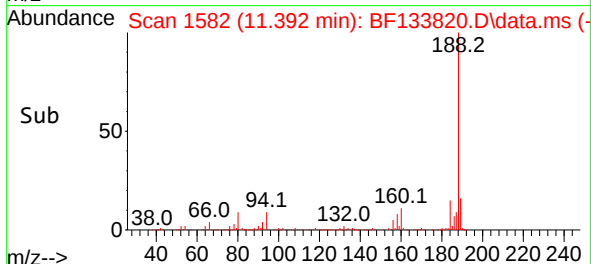
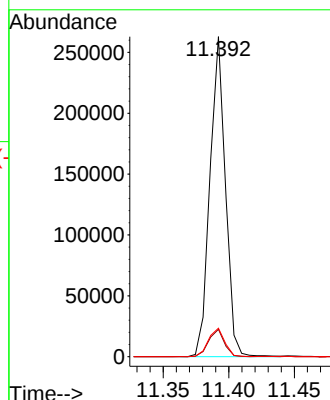
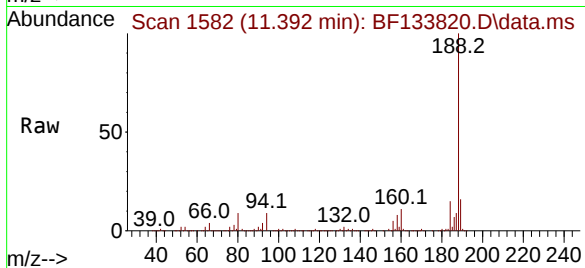
Tgt Ion:188 Resp: 216734

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 8.9 7.8 11.6



#71

Phenanthrene

Concen: 9.000 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

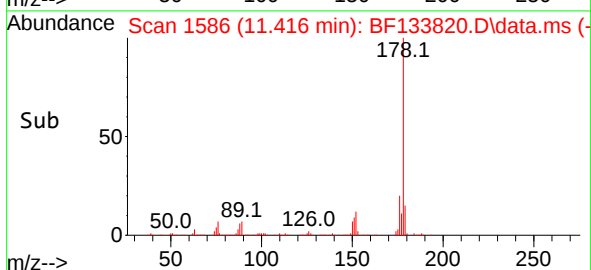
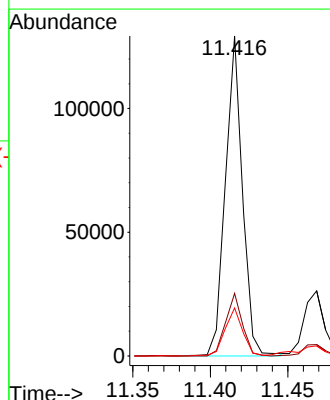
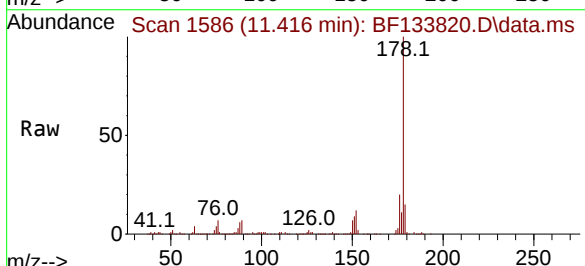
Tgt Ion:178 Resp: 98962

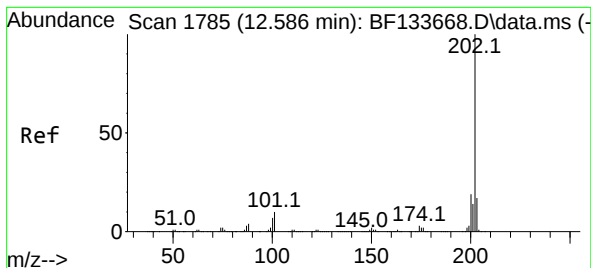
Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.0 12.4 18.6





#75

Fluoranthene

Concen: 17.148 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10

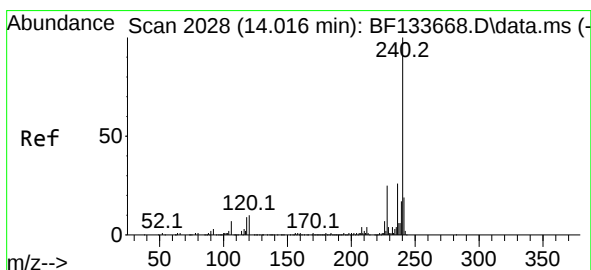
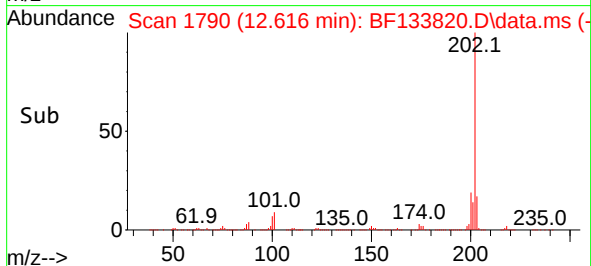
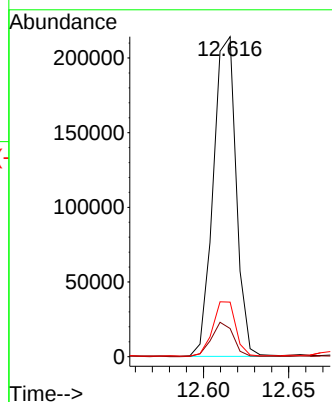
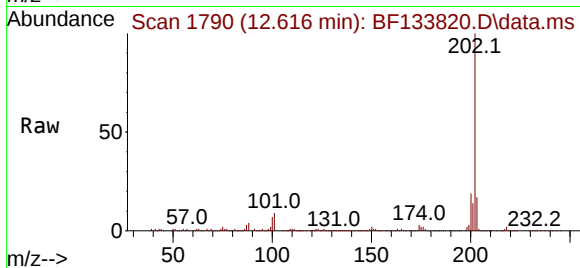
Tgt Ion:202 Resp: 200236

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.6

203 17.1 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

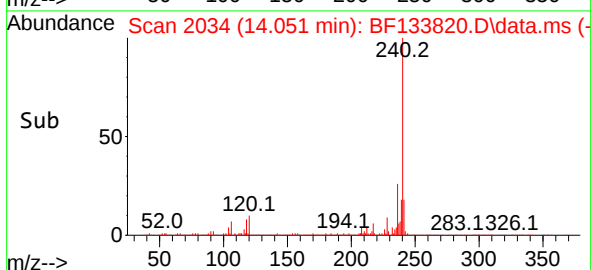
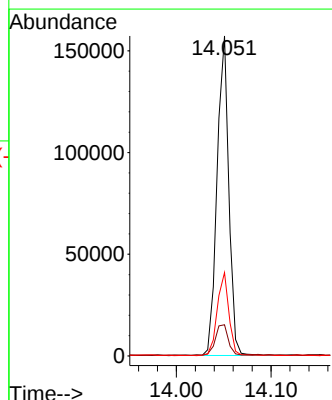
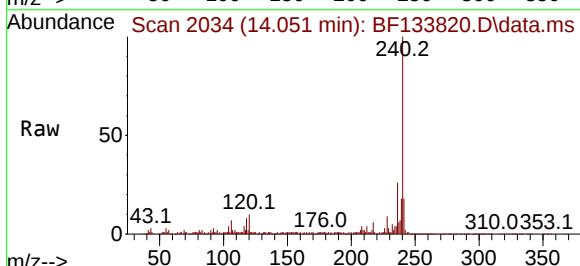
Tgt Ion:240 Resp: 134812

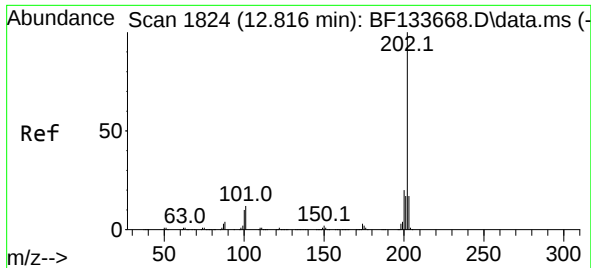
Ion Ratio Lower Upper

240 100

120 9.7 8.1 12.1

236 26.0 20.5 30.7

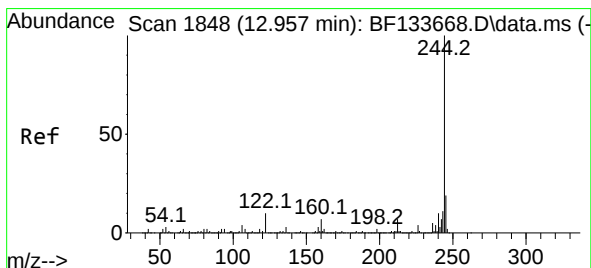
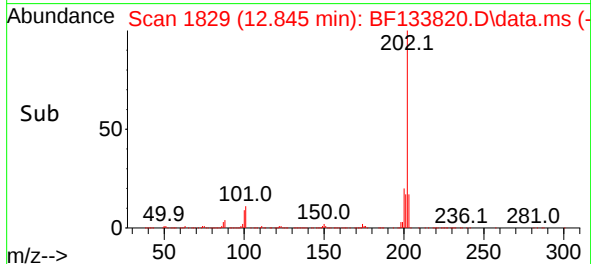
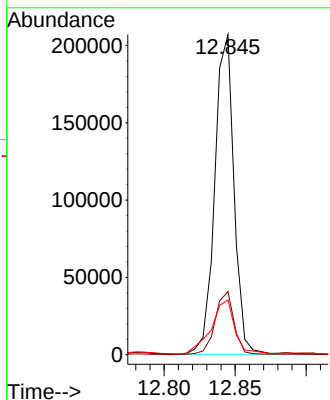
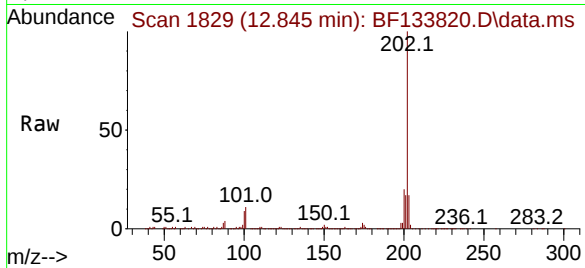




#78
 Pyrene
 Concen: 15.513 ng
 RT: 12.845 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: BF133820.D
 Acq: 16 Jun 2023 22:28

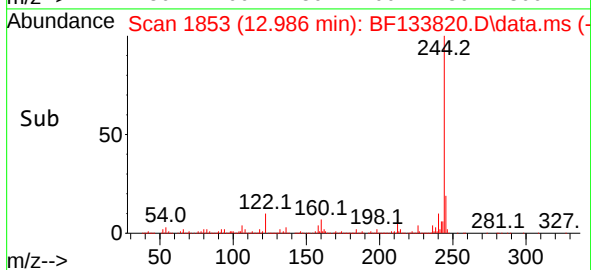
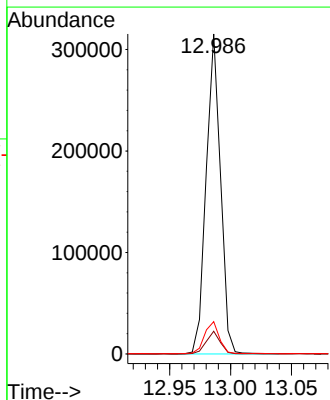
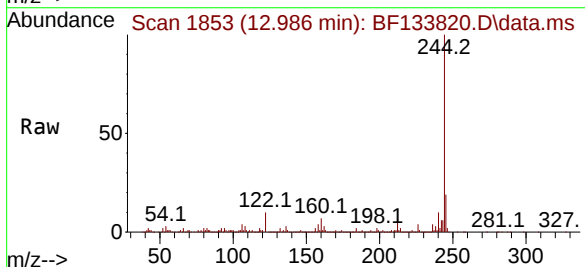
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-10

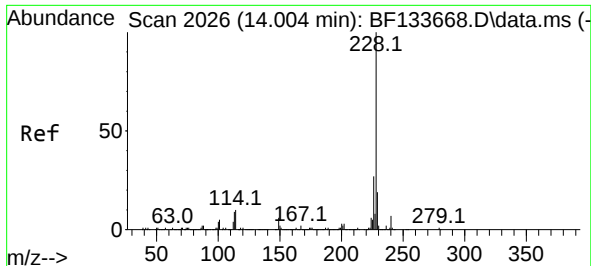
Tgt Ion:202 Resp: 194822
 Ion Ratio Lower Upper
 202 100
 200 19.7 16.2 24.2
 203 17.1 13.9 20.9



#79
 Terphenyl-d14
 Concen: 29.692 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF133820.D
 Acq: 16 Jun 2023 22:28

Tgt Ion:244 Resp: 258690
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 10.1 8.1 12.1

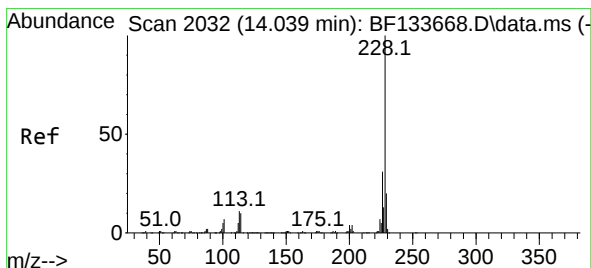
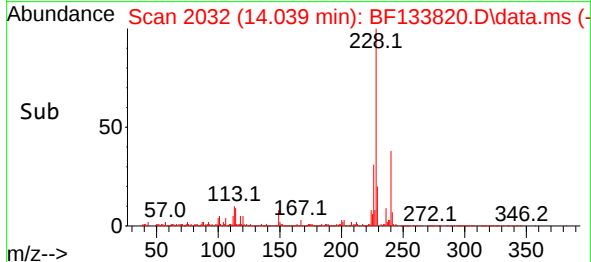
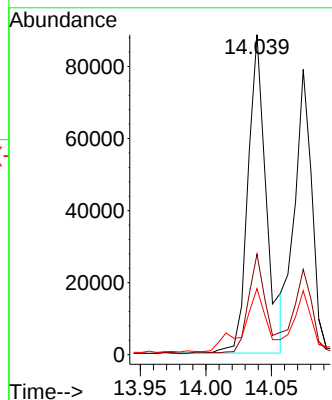
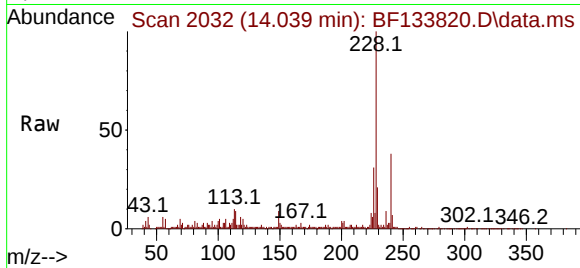




#81
Benzo(a)anthracene
Concen: 9.210 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

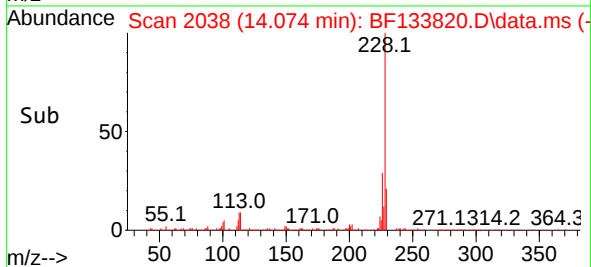
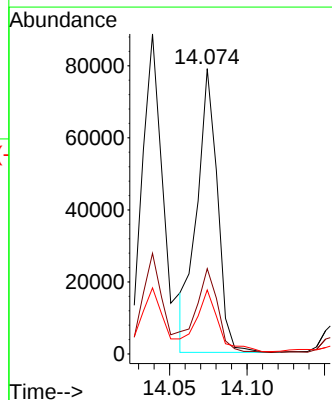
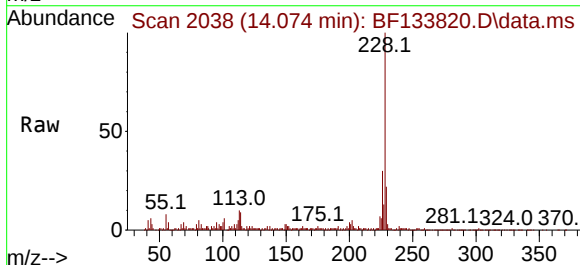
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10

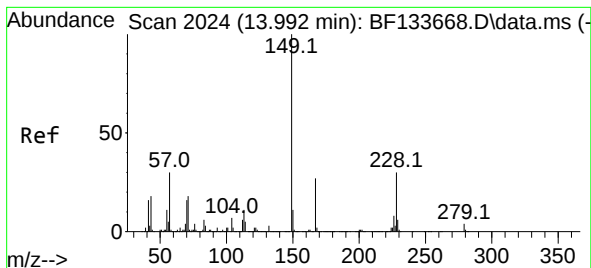
Tgt Ion:228 Resp: 85879
Ion Ratio Lower Upper
228 100
226 31.4 21.7 32.5
229 20.7 15.4 23.2



#83
Chrysene
Concen: 8.244 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

Tgt Ion:228 Resp: 72713
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 22.4 15.8 23.8

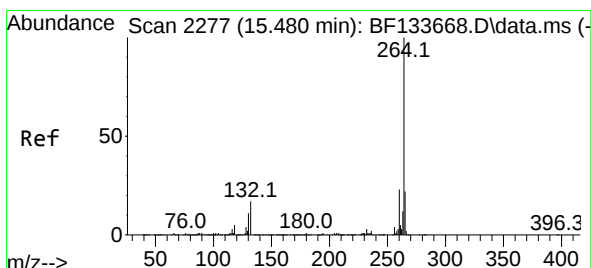
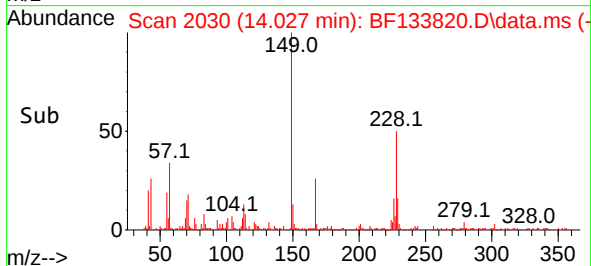
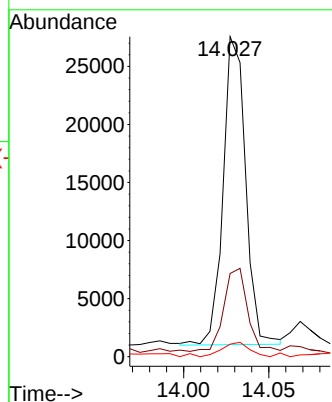
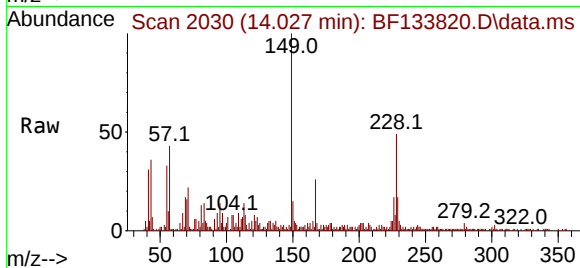




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.728 ng
RT: 14.027 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

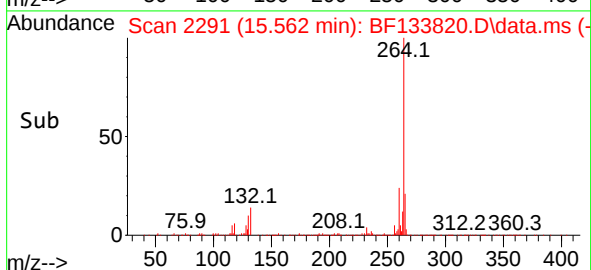
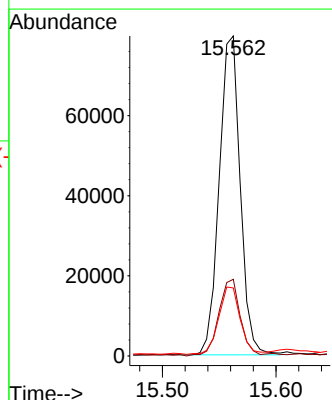
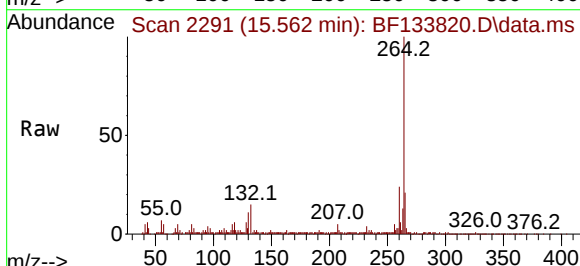
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10

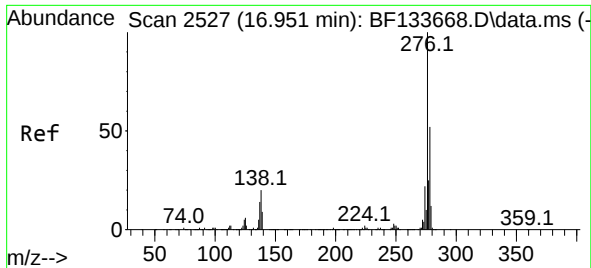
Tgt Ion:149 Resp: 24339
Ion Ratio Lower Upper
149 100
167 26.0 21.8 32.8
279 3.9 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.000 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

Tgt Ion:264 Resp: 102309
Ion Ratio Lower Upper
264 100
260 24.0 18.2 27.2
265 21.2 17.8 26.6

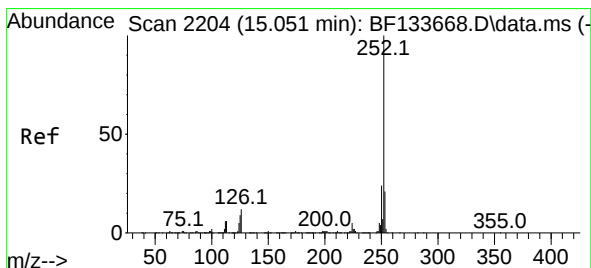
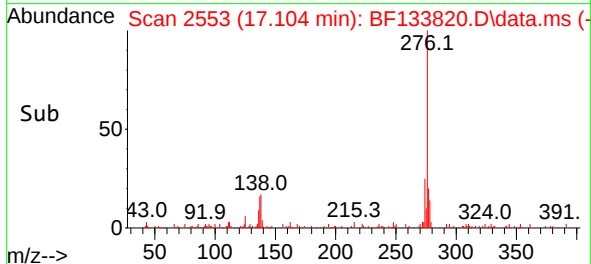
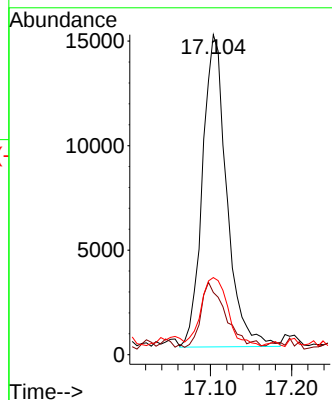
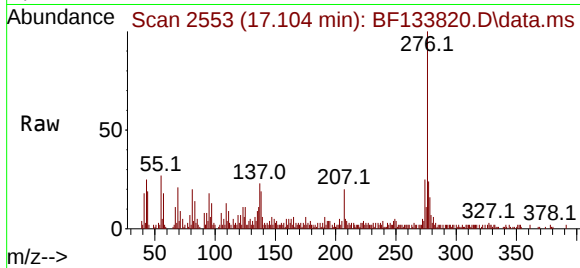




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.412 ng
RT: 17.104 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

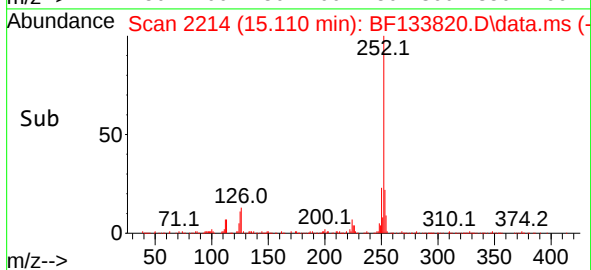
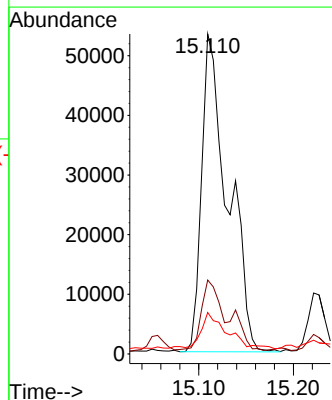
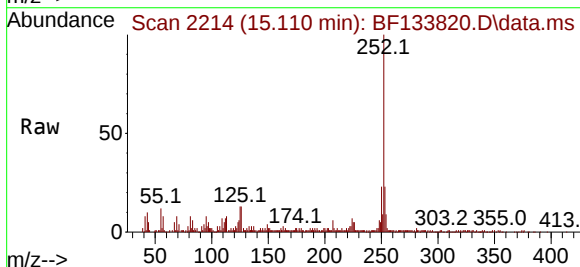
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-10

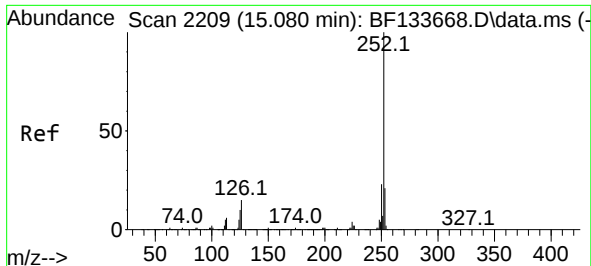
Tgt Ion:276 Resp: 31057
Ion Ratio Lower Upper
276 100
138 21.5 17.9 26.9
277 23.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 16.451 ng
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF133820.D
Acq: 16 Jun 2023 22:28

Tgt Ion:252 Resp: 102239
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 13.0 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 16.888 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10

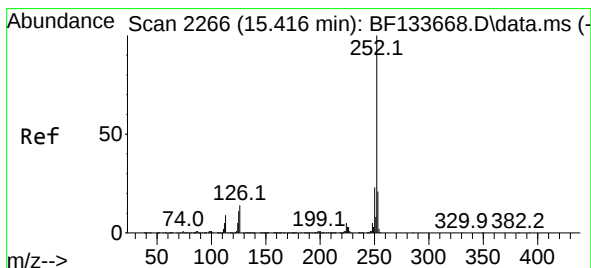
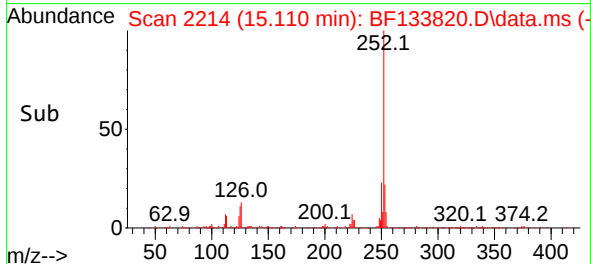
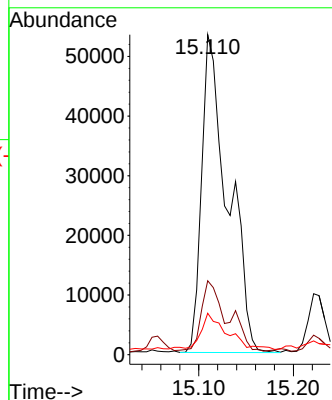
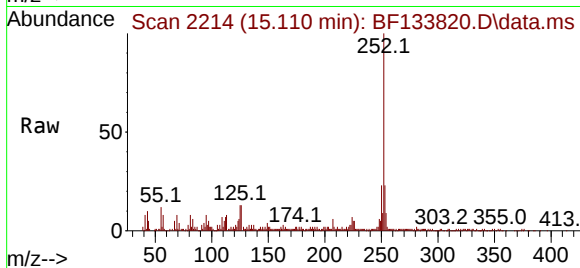
Tgt Ion:252 Resp: 102239

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

125 13.0 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 8.855 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

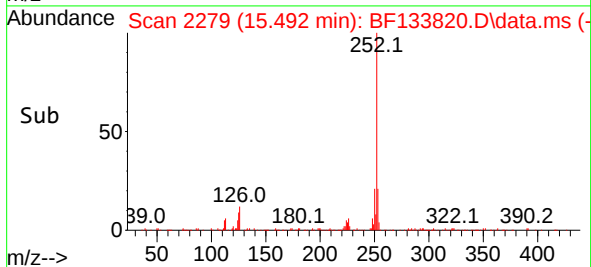
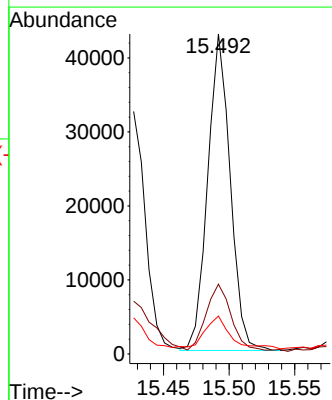
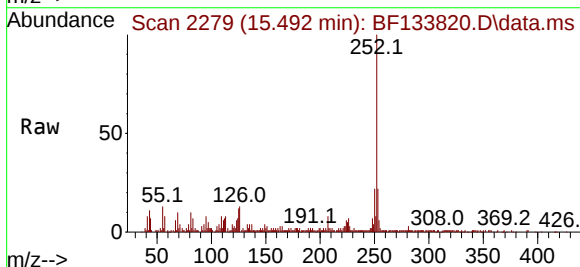
Tgt Ion:252 Resp: 51073

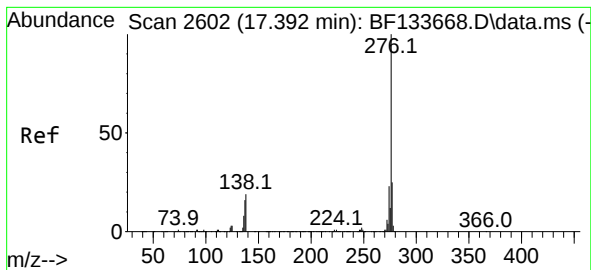
Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 11.9 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 5.149 ng

RT: 17.574 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF133820.D

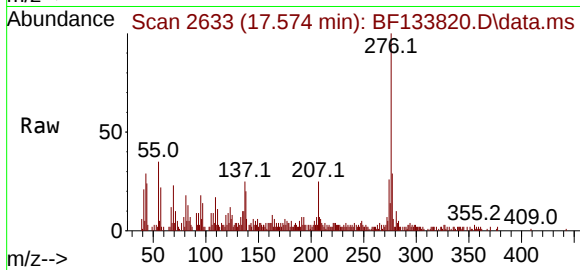
Acq: 16 Jun 2023 22:28

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-10



Tgt Ion:276 Resp: 29751

Ion Ratio Lower Upper

276 100

277 29.0 19.8 29.8

138 26.1 15.0 22.4#

