

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126113.D
 Acq On : 10 Nov 2021 18:15
 Operator : JU/CG
 Sample : M4576-05 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-3

Quant Time: Nov 11 09:31:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

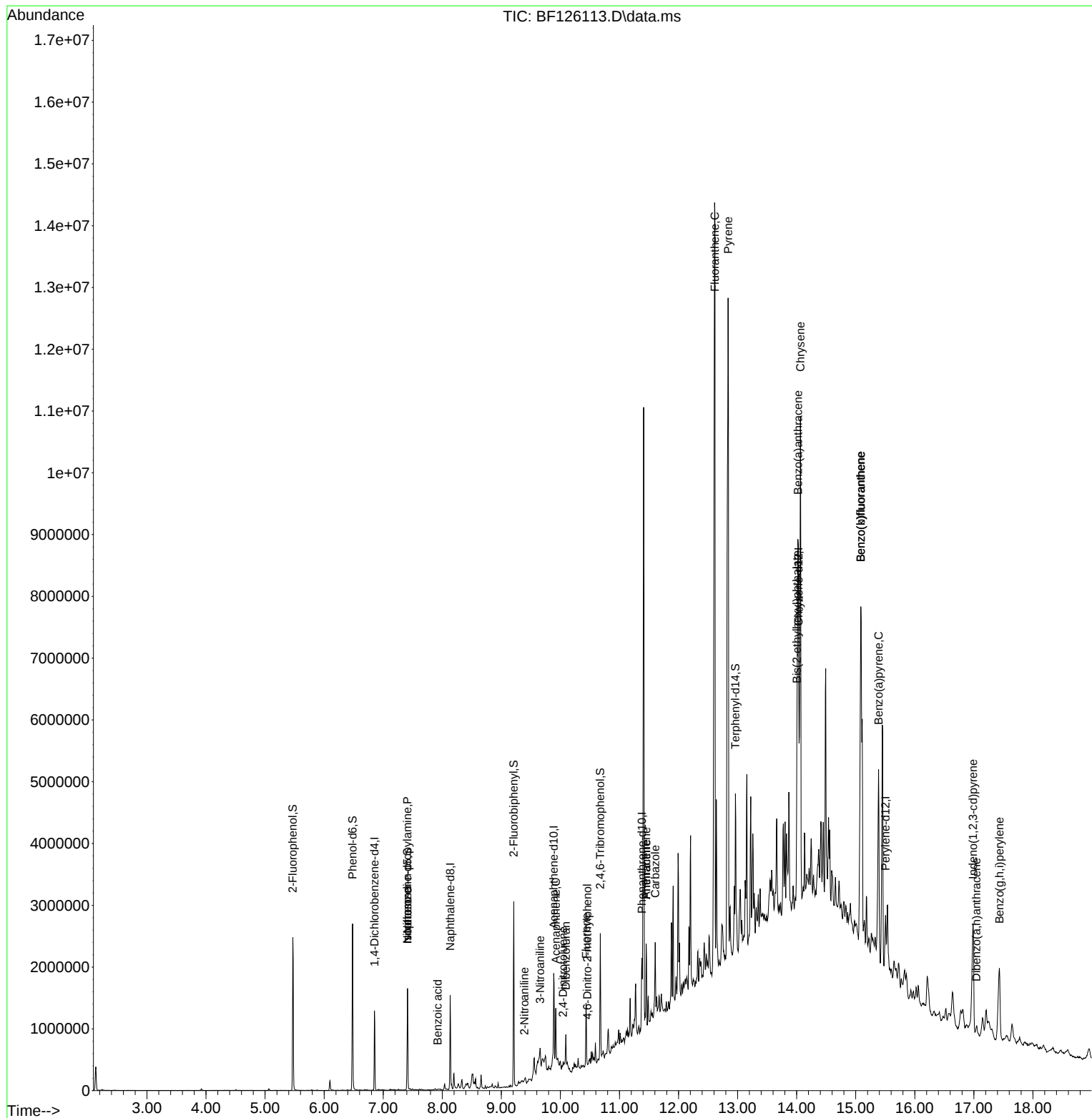
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	169647	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	562426	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	290625	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	477766	20.000	ng	0.00
76) Chrysene-d12	14.033	240	412326	20.000	ng	# 0.02
86) Perylene-d12	15.504	264	331066	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	546860	55.357	ng	0.00
7) Phenol-d6	6.481	99	675480	48.505	ng	0.00
23) Nitrobenzene-d5	7.410	82	472822	39.647	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	174202	52.304	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	801259	37.257	ng	0.00
79) Terphenyl-d14	12.963	244	744876	29.131	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	1049	Below Cal		83
19) n-Nitroso-di-n-propyla...	7.410	70	67532	7.356	ng	# 62
25) Isophorone	7.410	82	470755	21.924	ng	# 59
32) Benzoic acid	7.922	122	110	9.160	ng	# 70
48) 2-Nitroaniline	9.392	65	321	2.901	ng	# 22
52) Acenaphthene	9.922	154	144472	8.566	ng	99
53) 3-Nitroaniline	9.657	138	407239	109.533	ng	# 10
55) Dibenzofuran	10.092	168	136742	5.386	ng	98
57) 2,4-Dinitrotoluene	10.045	165	3062	3.712	ng	# 68
58) Fluorene	10.433	166	248361	12.185	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	140	8.367	ng	# 1
71) Phenanthrene	11.451	178	474723	18.322	ng	97
72) Anthracene	11.451	178	474723	18.352	ng	97
73) Carbazole	11.604	167	398203	16.598	ng	99
75) Fluoranthene	12.616	202	6680404	231.540	ng	87
78) Pyrene	12.839	202	5724105	173.108	ng	# 85
81) Benzo(a)anthracene	14.021	228	2867902	101.246	ng	95
83) Chrysene	14.063	228	3418543	129.703	ng	92
84) Bis(2-ethylhexyl)phtha...	14.004	149	457977	27.435	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.986	276	1324590	67.596	ng	# 80
88) Benzo(b)fluoranthene	15.086	252	4920888	228.513	ng	# 94
89) Benzo(k)fluoranthene	15.086	252	4920888	235.570	ng	98
90) Benzo(a)pyrene	15.386	252	1614642	95.172	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	99140	6.160	ng	94
92) Benzo(g,h,i)perylene	17.433	276	1146071	74.248	ng	# 82

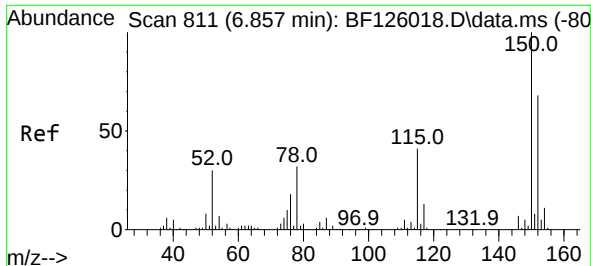
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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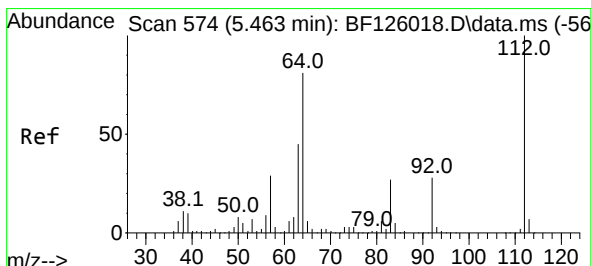
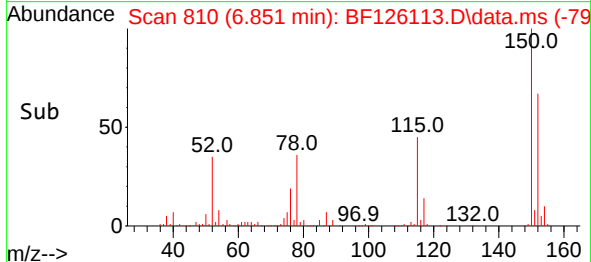
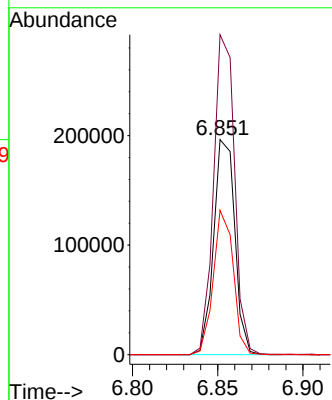
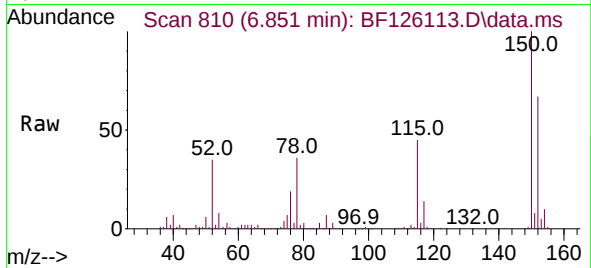




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

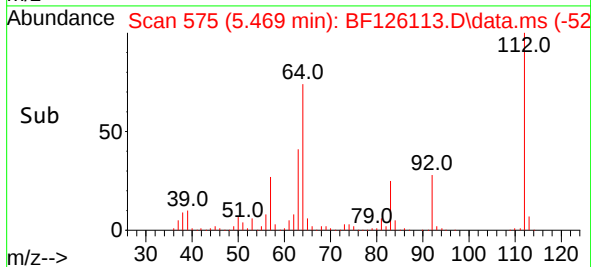
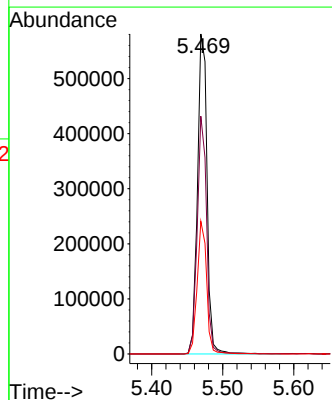
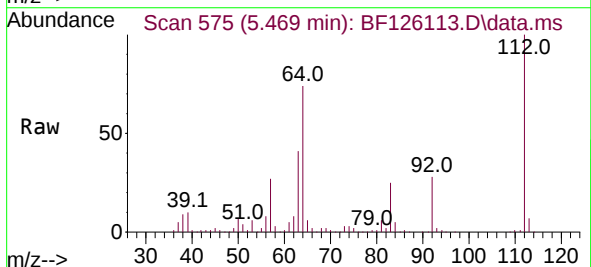
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BNA_F
ClientSampleId :
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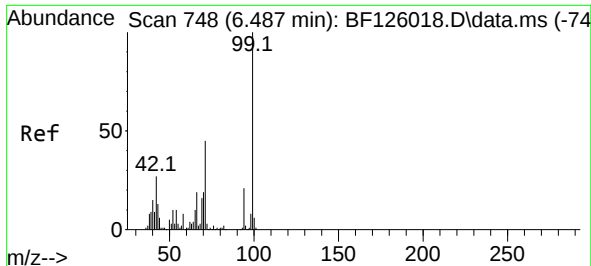
Tgt Ion:152 Resp: 169647
Ion Ratio Lower Upper
152 100
150 148.8 117.6 176.4
115 67.1 47.1 70.7



#5
2-Fluorophenol
Concen: 55.357 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion:112 Resp: 546860
Ion Ratio Lower Upper
112 100
64 74.3 44.2 66.2#
63 41.5 26.2 39.2#

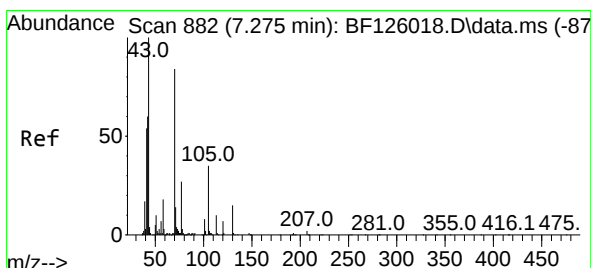
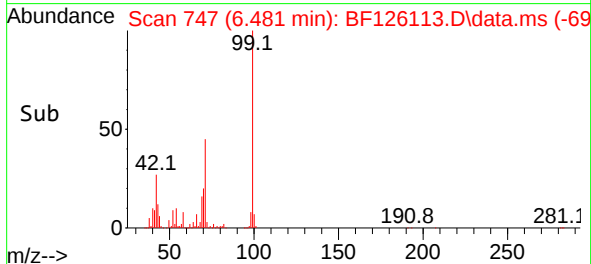
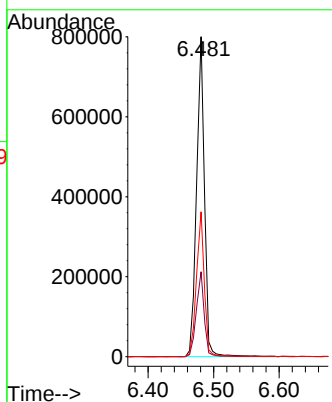
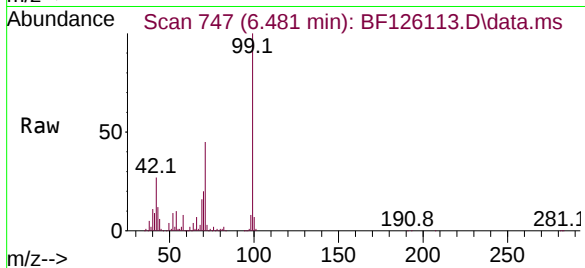




#7
Phenol-d6
Concen: 48.505 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

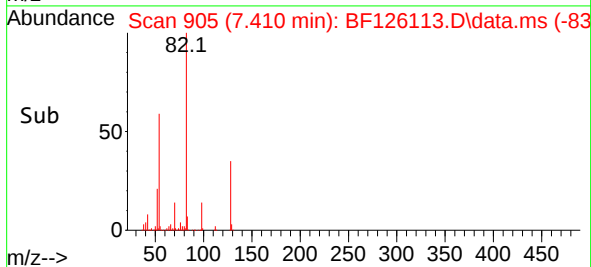
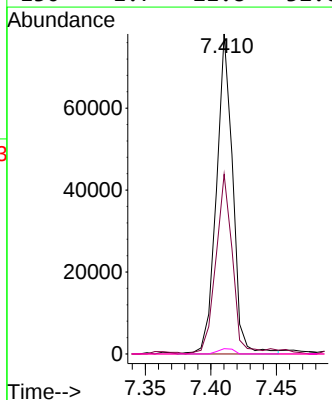
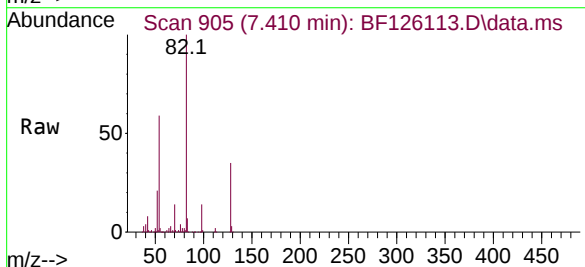
Instrument :
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ClientSampleId :
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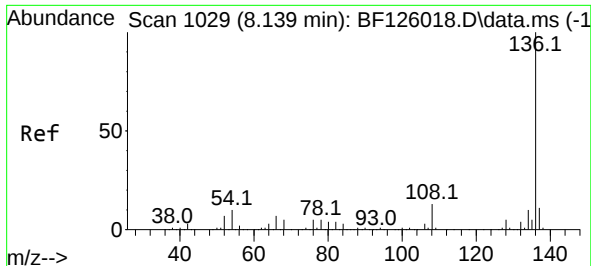
Tgt Ion: 99 Resp: 675480
Ion Ratio Lower Upper
99 100
42 26.6 23.5 35.3
71 45.3 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 7.356 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion: 70 Resp: 67532
Ion Ratio Lower Upper
70 100
42 56.2 72.2 108.2#
101 0.0 7.8 11.8#
130 1.7 21.8 32.6#

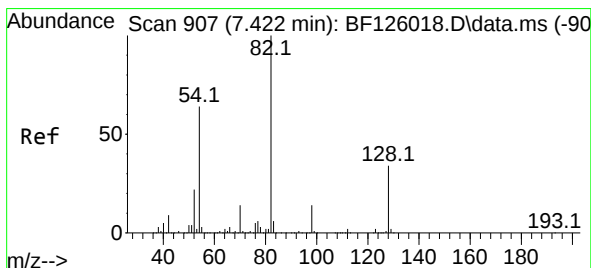
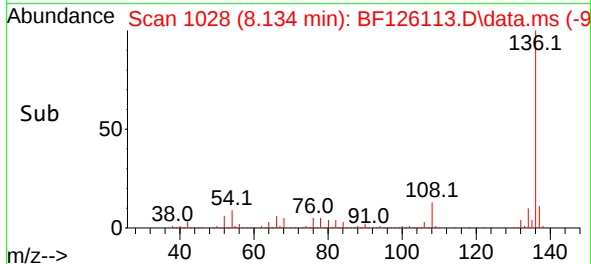
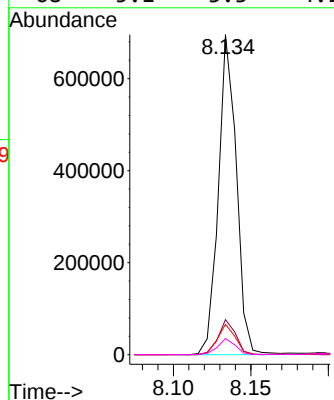
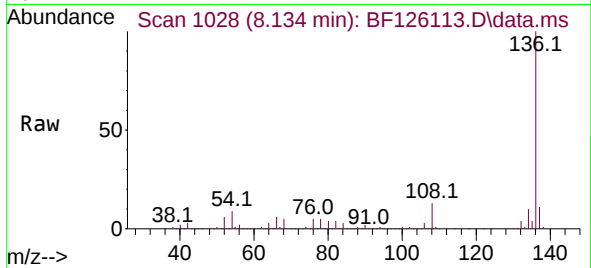




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

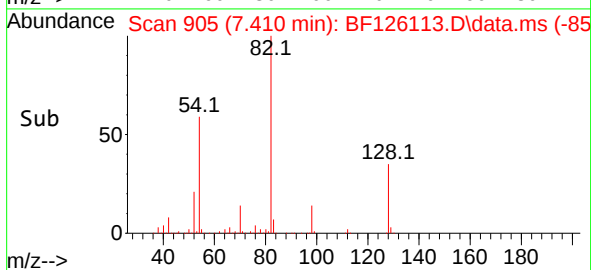
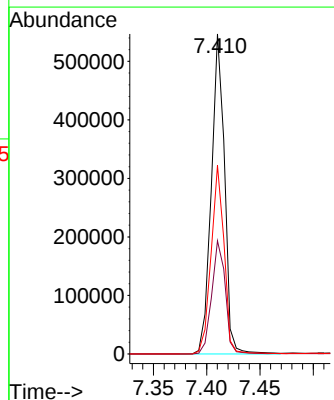
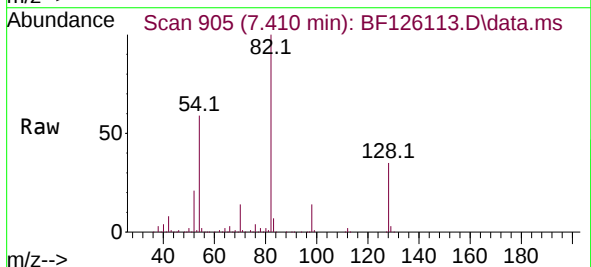
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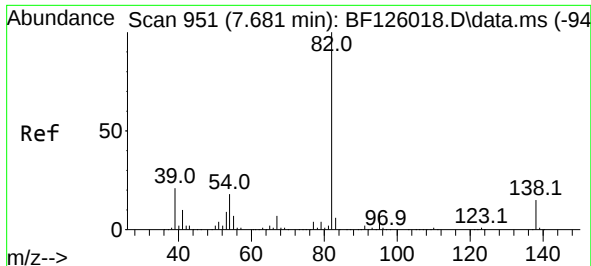
Tgt Ion:136 Resp: 562426
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 9.5 6.4 9.6
68 5.1 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 39.647 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion: 82 Resp: 472822
Ion Ratio Lower Upper
82 100
128 35.4 40.6 60.8#
54 58.9 49.6 74.4

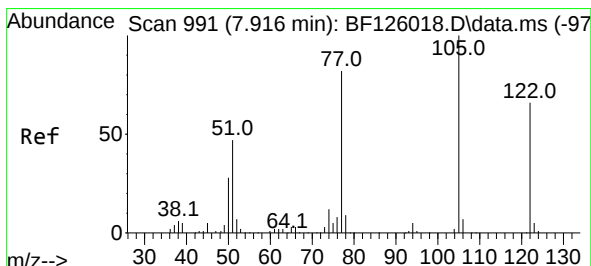
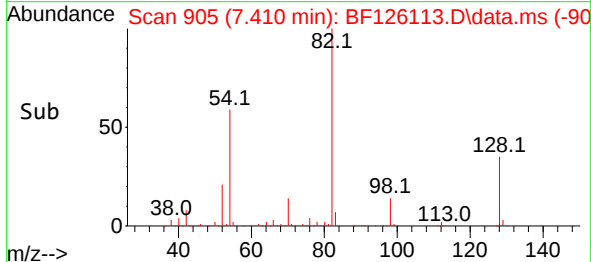
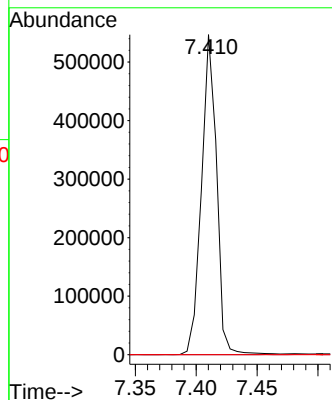
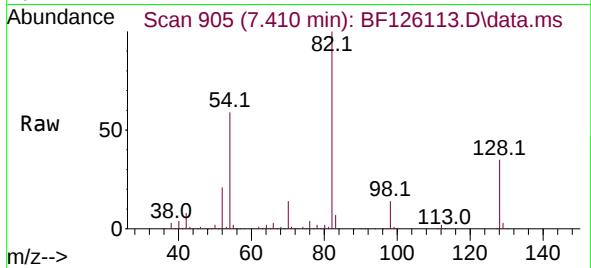




#25
Isophorone
Concen: 21.924 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

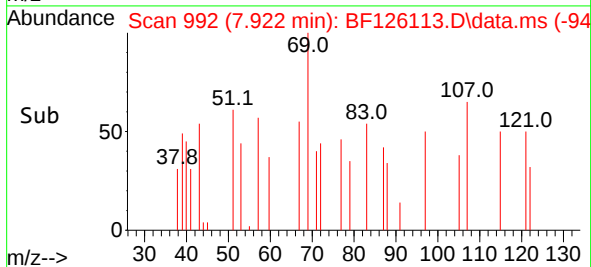
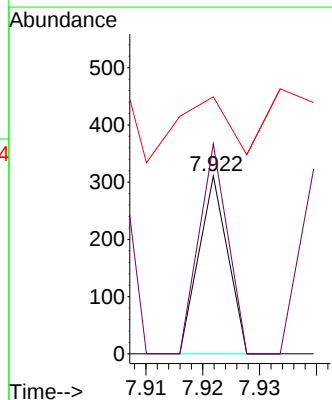
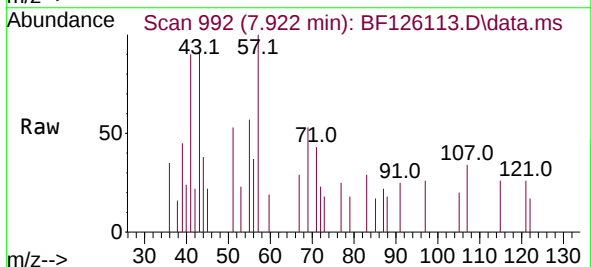
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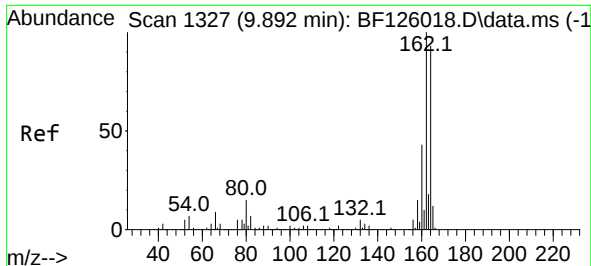
Tgt Ion: 82 Resp: 470755
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.160 ng
RT: 7.922 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion: 122 Resp: 110
Ion Ratio Lower Upper
122 100
105 118.0 97.6 137.6
77 144.4 59.6 99.6#

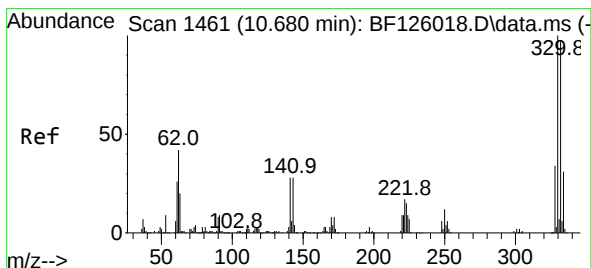
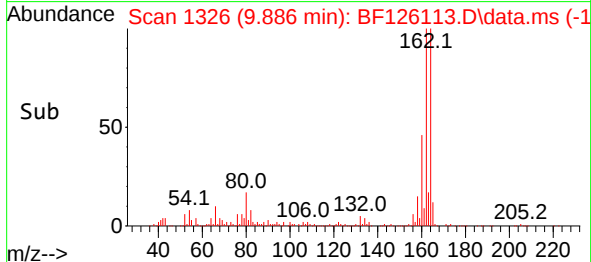
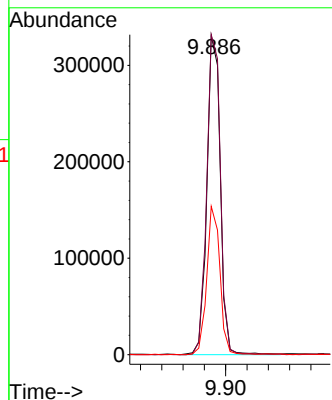
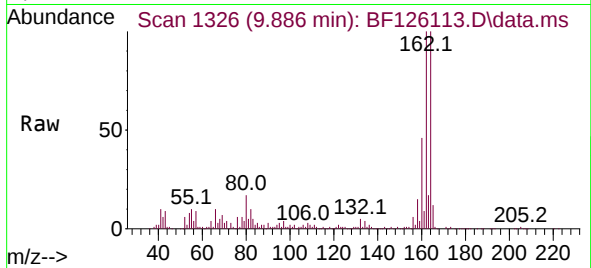




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

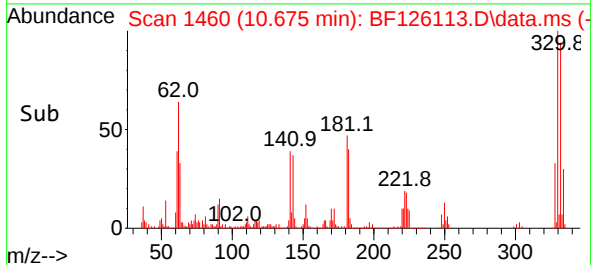
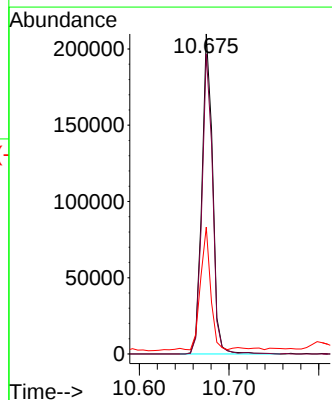
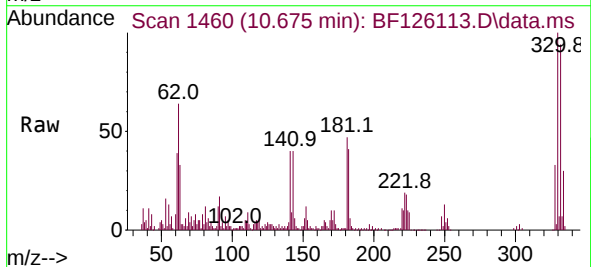
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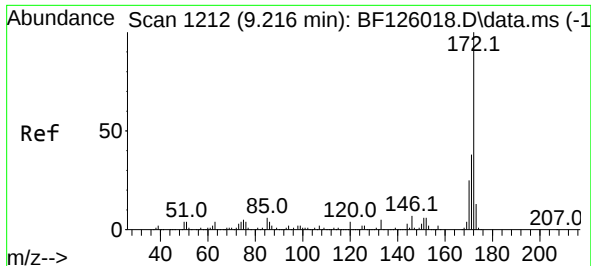
Tgt Ion:164 Resp: 290625
Ion Ratio Lower Upper
164 100
162 100.3 81.3 121.9
160 46.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 52.304 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion:330 Resp: 174202
Ion Ratio Lower Upper
330 100
332 93.3 76.2 114.4
141 37.6 44.6 66.8#

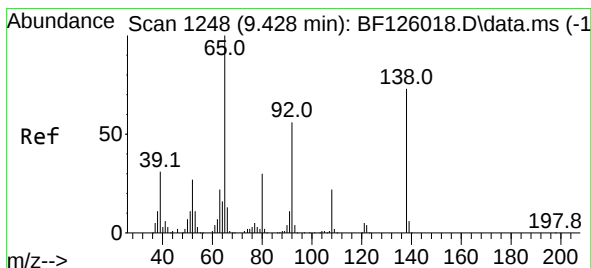
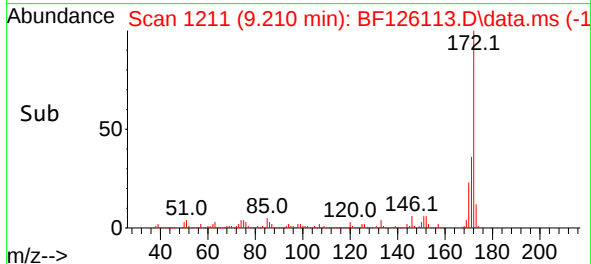
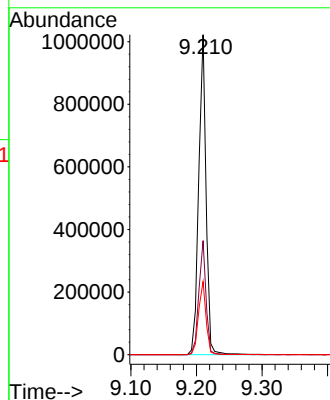
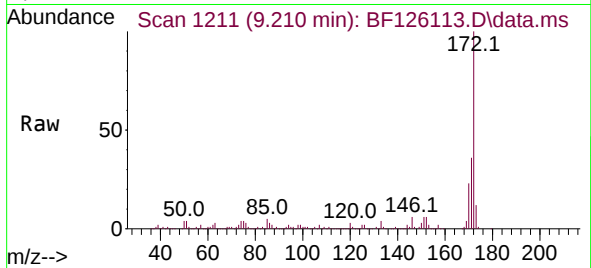




#45
2-Fluorobiphenyl
Concen: 37.257 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

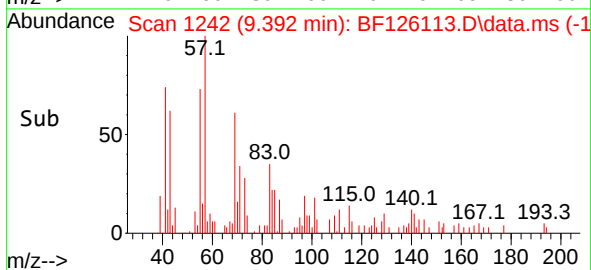
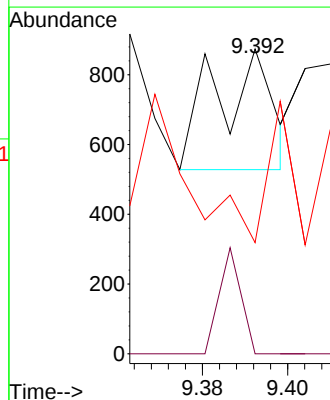
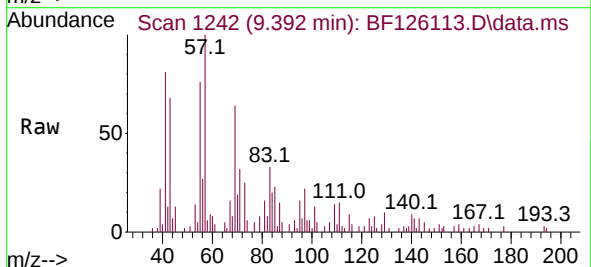
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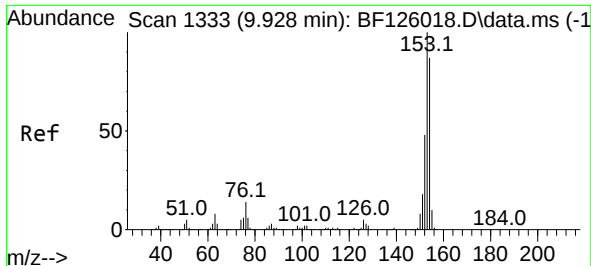
Tgt Ion:172 Resp: 801259
Ion Ratio Lower Upper
172 100
171 35.6 26.5 39.7
170 22.8 18.8 28.2



#48
2-Nitroaniline
Concen: 2.901 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.036 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion: 65 Resp: 321
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 36.5 93.5 140.3#

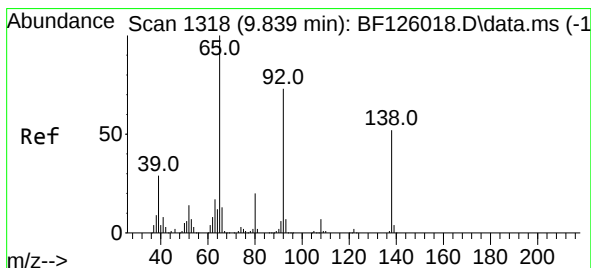
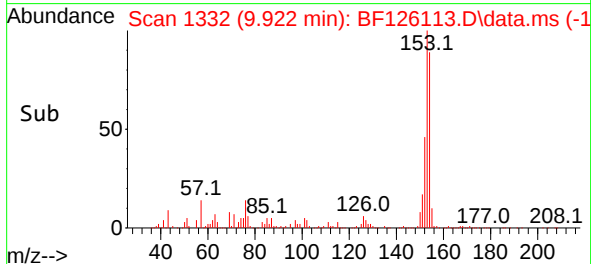
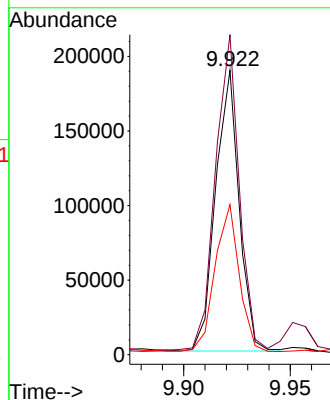
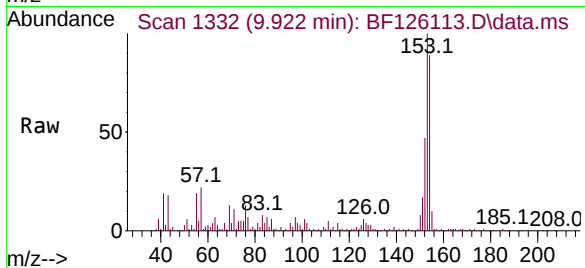




#52
Acenaphthene
Concen: 8.566 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

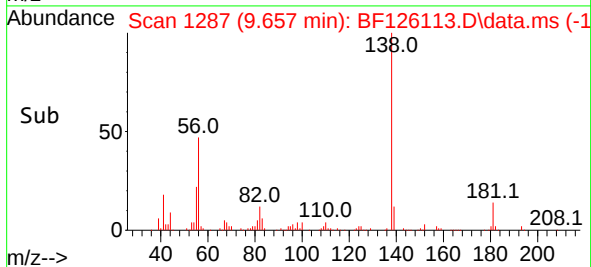
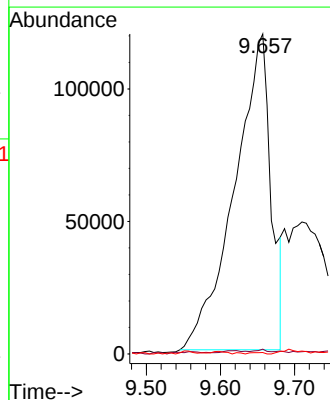
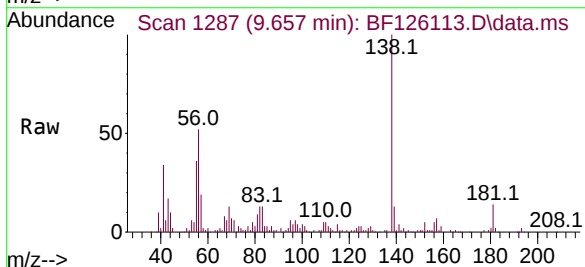
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ClientSampleId :
DW-3

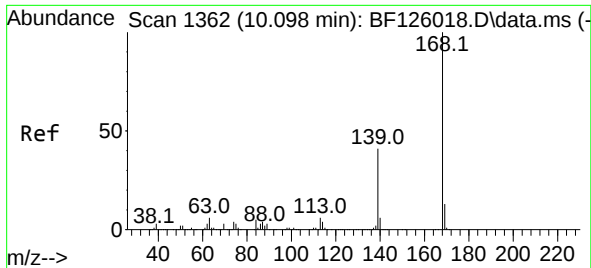
Tgt Ion:154 Resp: 144472
Ion Ratio Lower Upper
154 100
153 112.6 89.4 134.2
152 52.8 40.5 60.7



#53
3-Nitroaniline
Concen: 109.533 ng
RT: 9.657 min Scan# 1287
Delta R.T. -0.182 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion:138 Resp: 407239
Ion Ratio Lower Upper
138 100
108 1.5 9.3 13.9#
92 0.4 76.5 114.7#

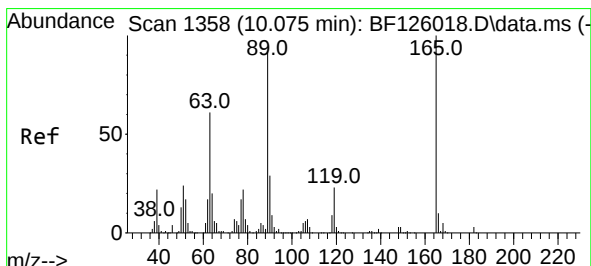
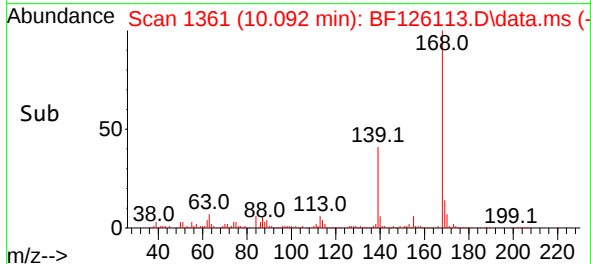
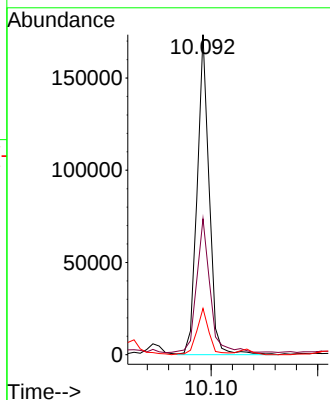
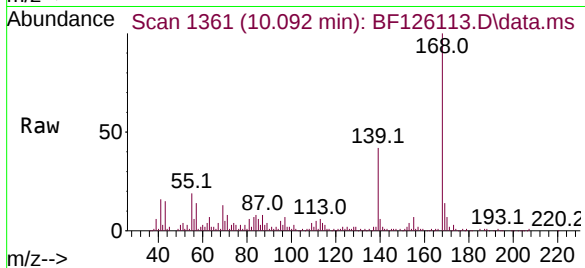




#55
Dibenzofuran
Concen: 5.386 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

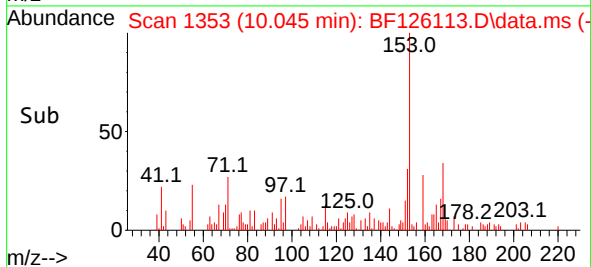
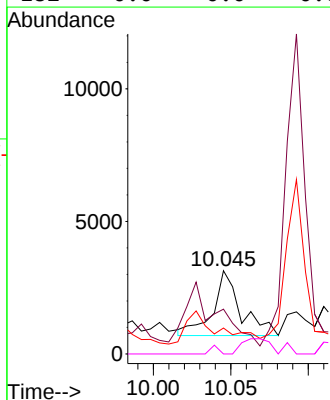
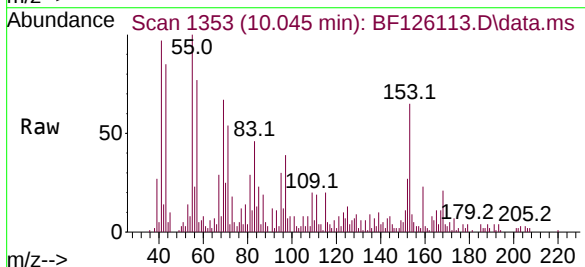
Instrument :
BNA_F
ClientSampleId :
DW-3

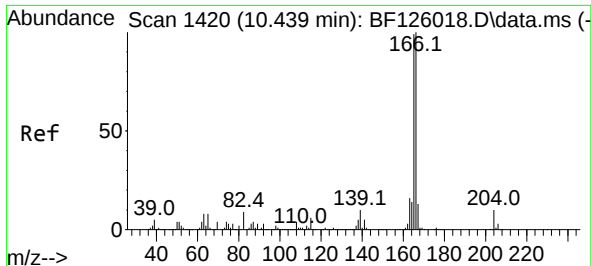
Tgt Ion:168 Resp: 136742
Ion Ratio Lower Upper
168 100
139 42.5 32.7 49.1
169 14.5 11.2 16.8



#57
2,4-Dinitrotoluene
Concen: 3.712 ng
RT: 10.045 min Scan# 1353
Delta R.T. -0.030 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion:165 Resp: 3062
Ion Ratio Lower Upper
165 100
63 53.7 40.9 61.3
89 31.2 59.7 89.5#
182 0.0 0.0 0.0

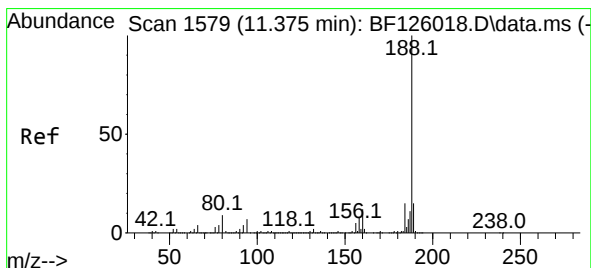
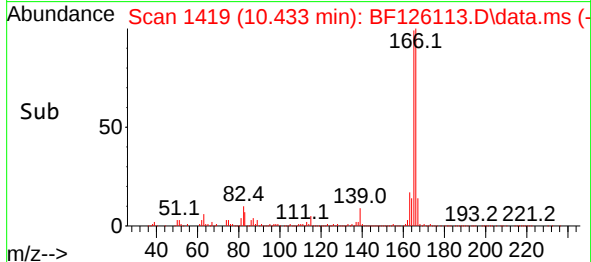
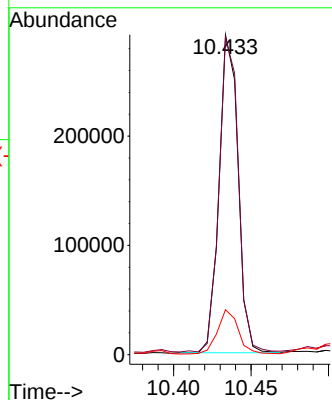
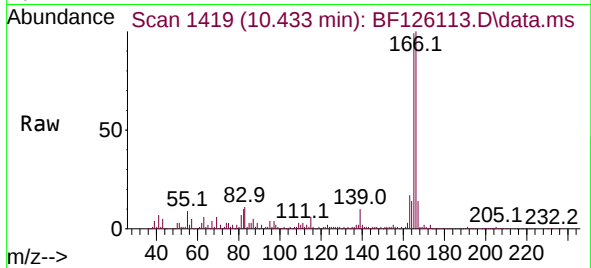




#58
Fluorene
Concen: 12.185 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

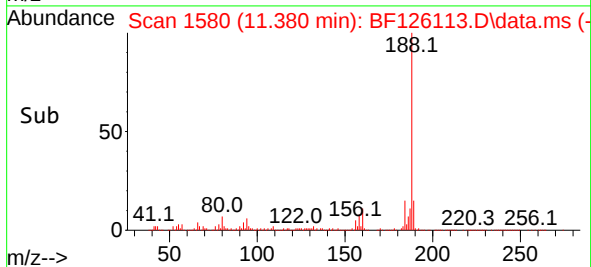
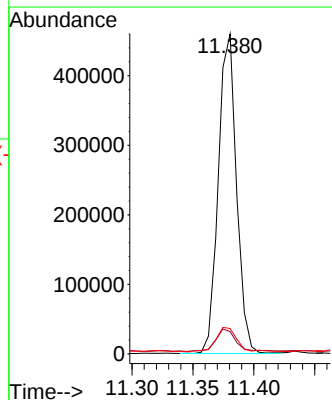
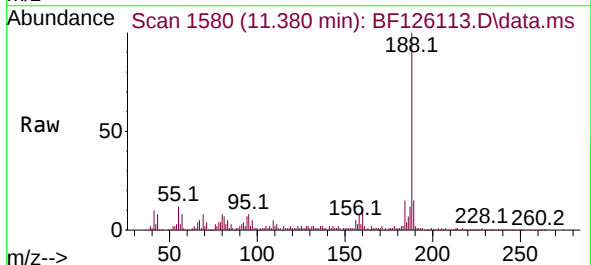
Instrument :
BNA_F
ClientSampleId :
DW-3

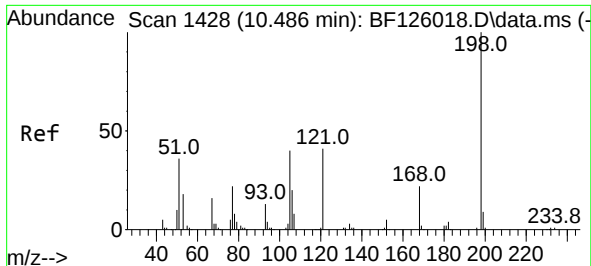
Tgt Ion:166 Resp: 248361
Ion Ratio Lower Upper
166 100
165 99.1 78.1 117.1
167 14.0 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.005 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion:188 Resp: 477766
Ion Ratio Lower Upper
188 100
94 7.0 6.7 10.1
80 7.9 7.5 11.3





#65

4,6-Dinitro-2-methylphenol

Concen: 8.367 ng

RT: 10.457 min Scan# 14

Delta R.T. -0.029 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

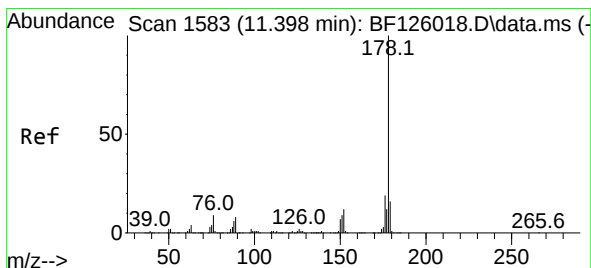
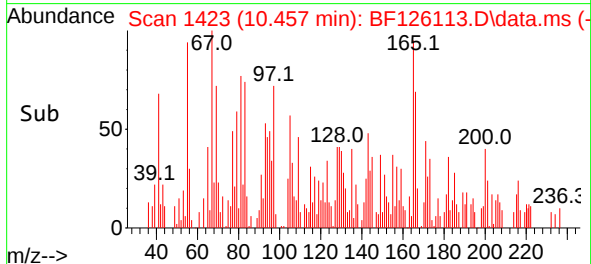
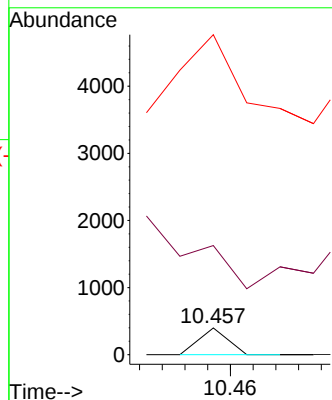
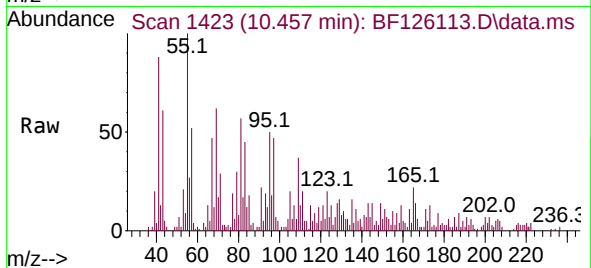
Instrument :

BNA_F

ClientSampleId :

DW-3

Tgt Ion:198 Resp: 140
 Ion Ratio Lower Upper
 198 100
 51 408.8 45.3 85.3#
 105 1198.0 30.6 70.6#



#71

Phenanthrene

Concen: 18.322 ng

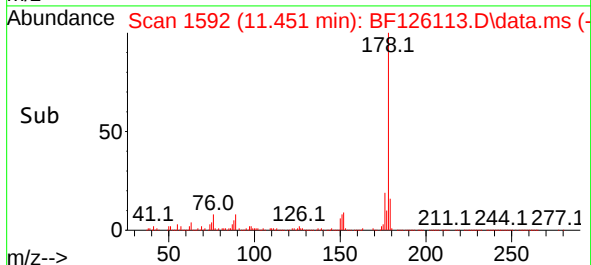
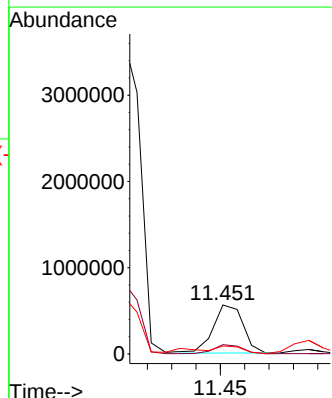
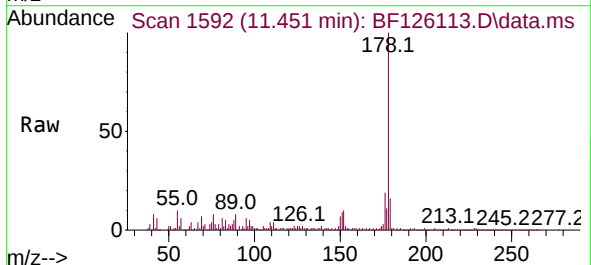
RT: 11.451 min Scan# 1592

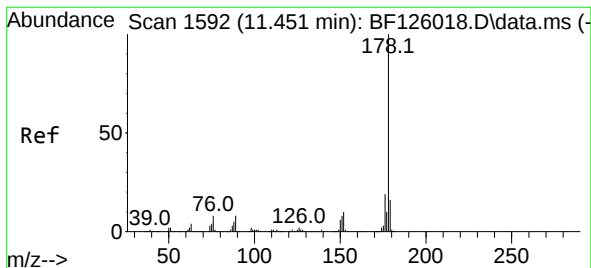
Delta R.T. 0.053 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

Tgt Ion:178 Resp: 474723
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.7 22.1
 179 16.2 11.5 17.3





#72

Anthracene

Concen: 18.352 ng

RT: 11.451 min Scan# 1592

Delta R.T. 0.000 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

Instrument :

BNA_F

ClientSampleId :

DW-3

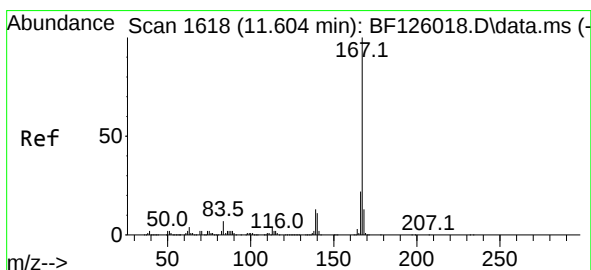
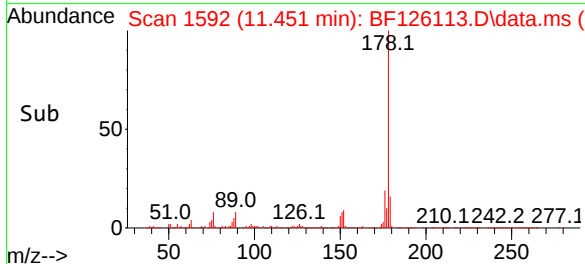
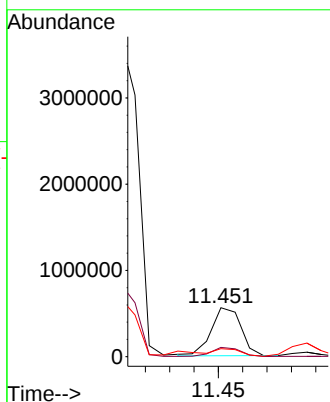
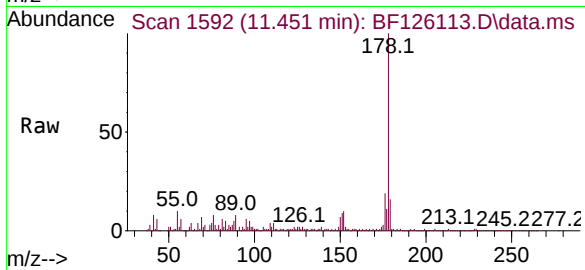
Tgt Ion:178 Resp: 474723

Ion Ratio Lower Upper

178 100

176 19.1 14.3 21.5

179 16.2 12.2 18.4



#73

Carbazole

Concen: 16.598 ng

RT: 11.604 min Scan# 1618

Delta R.T. -0.000 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

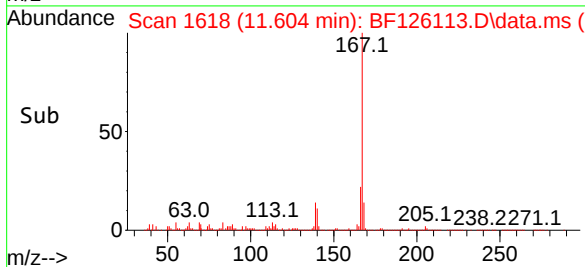
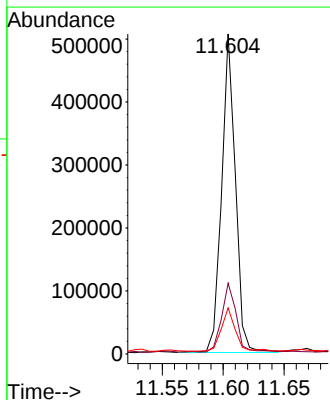
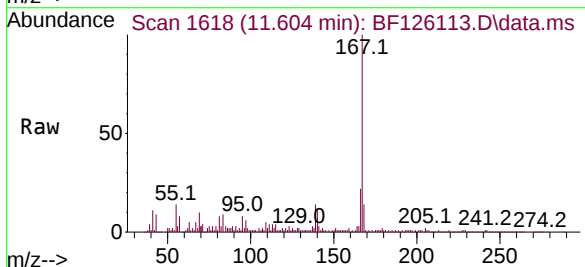
Tgt Ion:167 Resp: 398203

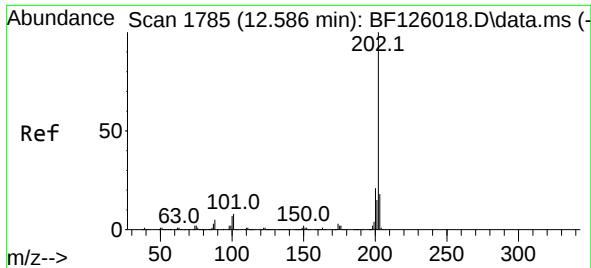
Ion Ratio Lower Upper

167 100

166 22.1 17.4 26.0

139 14.4 11.0 16.4

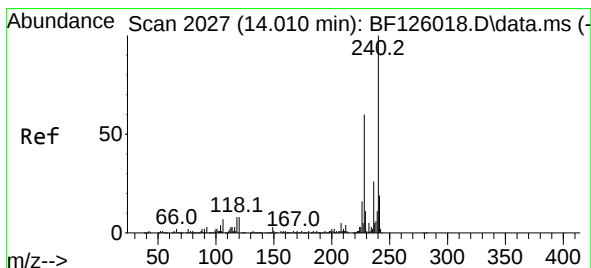
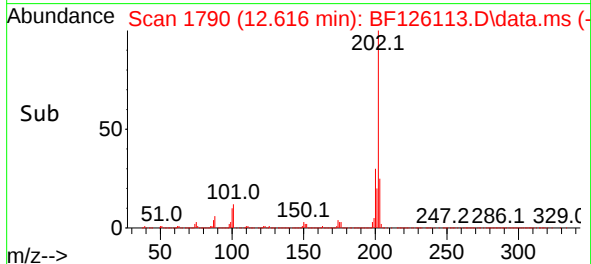
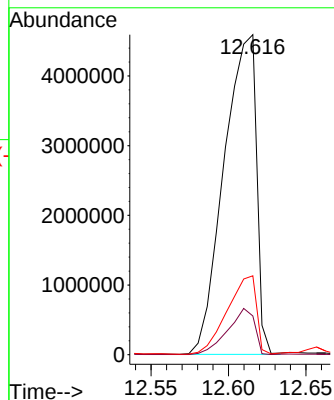
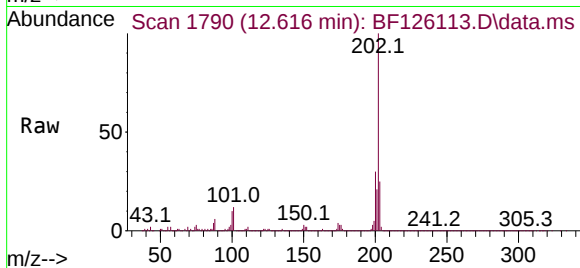




#75
Fluoranthene
Concen: 231.540 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

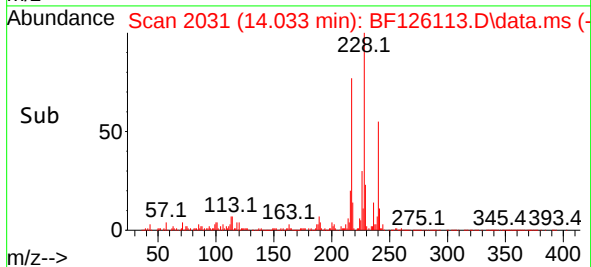
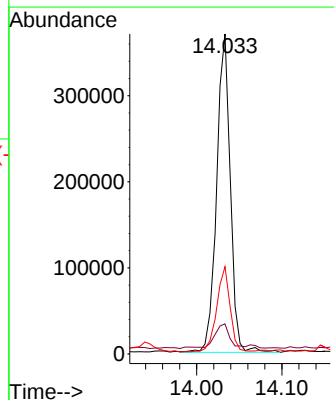
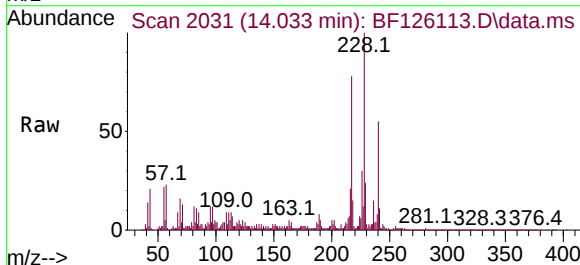
Instrument :
BNA_F
ClientSampleId :
DW-3

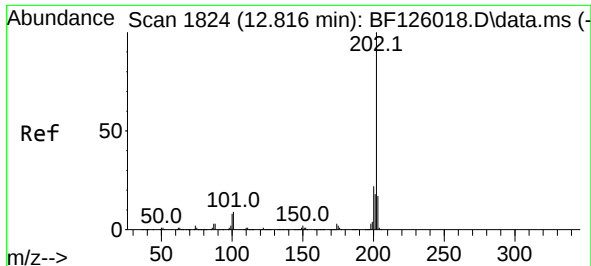
Tgt Ion:202 Resp: 6680404
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 24.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.023 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion:240 Resp: 412326
Ion Ratio Lower Upper
240 100
120 9.4 10.8 16.2#
236 27.3 21.6 32.4

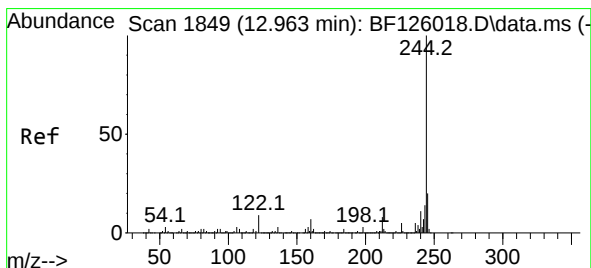
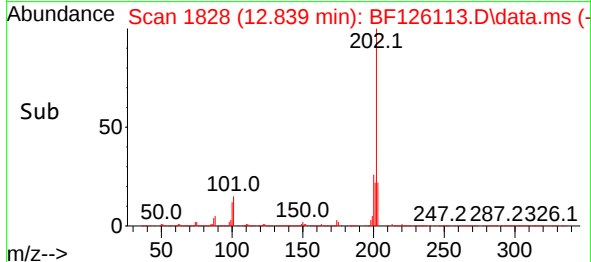
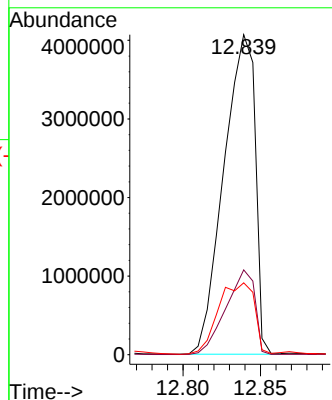
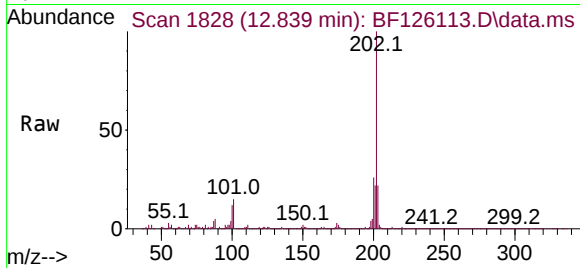




#78
Pyrene
Concen: 173.108 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.023 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

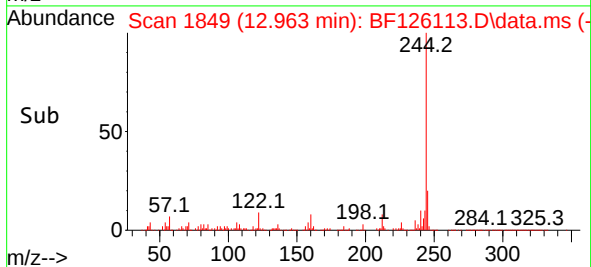
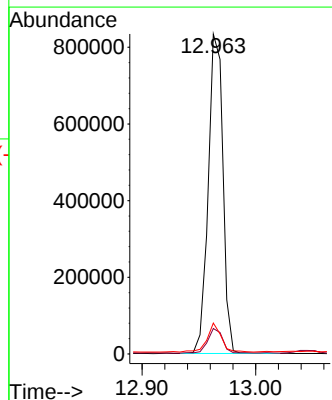
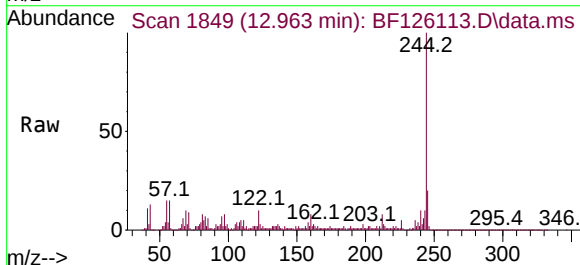
Instrument :
BNA_F
ClientSampleId :
DW-3

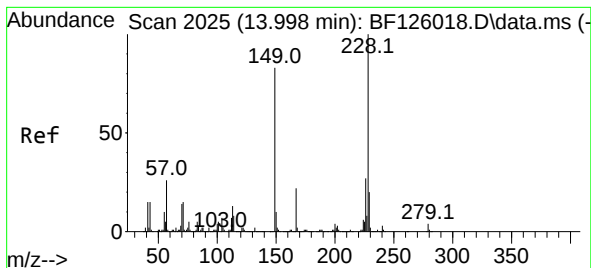
Tgt Ion:202 Resp: 5724105
Ion Ratio Lower Upper
202 100
200 26.5 15.3 22.9#
203 22.5 13.4 20.0#



#79
Terphenyl-d14
Concen: 29.131 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion:244 Resp: 744876
Ion Ratio Lower Upper
244 100
212 8.0 5.9 8.9
122 9.6 9.0 13.4





#81

Benzo(a)anthracene

Concen: 101.246 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.023 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

Instrument :

BNA_F

ClientSampleId :

DW-3

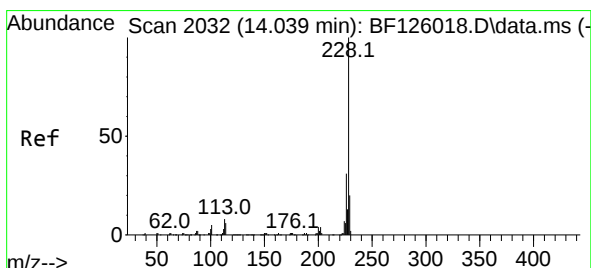
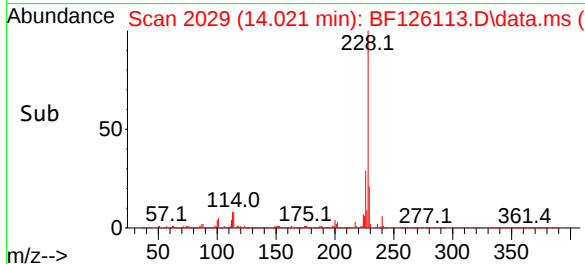
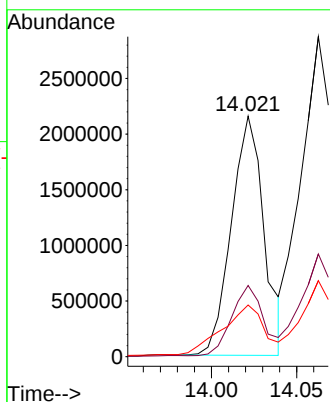
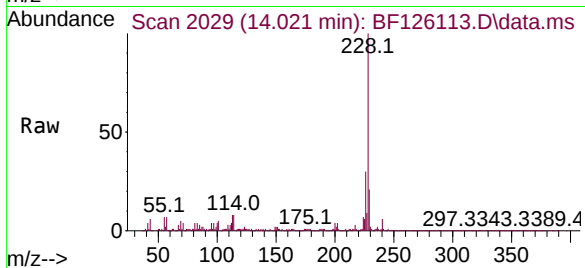
Tgt Ion:228 Resp: 2867902

Ion Ratio Lower Upper

228 100

226 29.6 21.6 32.4

229 21.5 15.6 23.4



#83

Chrysene

Concen: 129.703 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.024 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

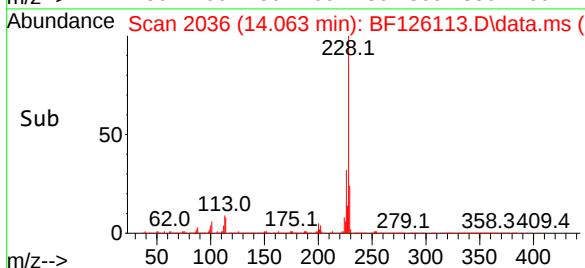
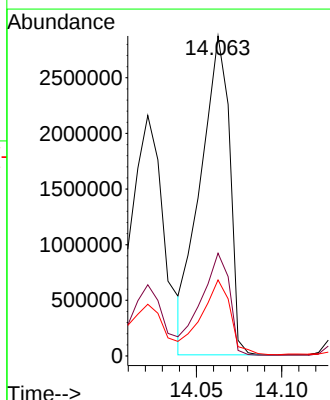
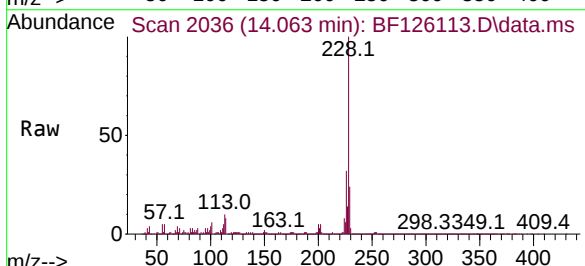
Tgt Ion:228 Resp: 3418543

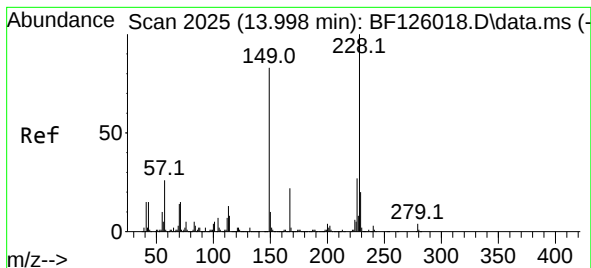
Ion Ratio Lower Upper

228 100

226 32.1 22.6 34.0

229 23.8 15.9 23.9

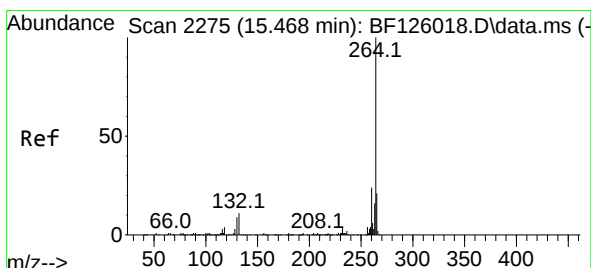
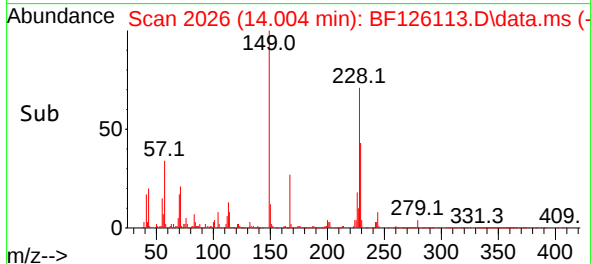
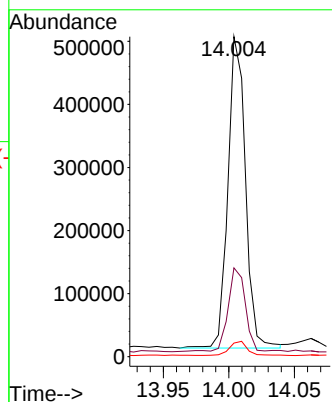
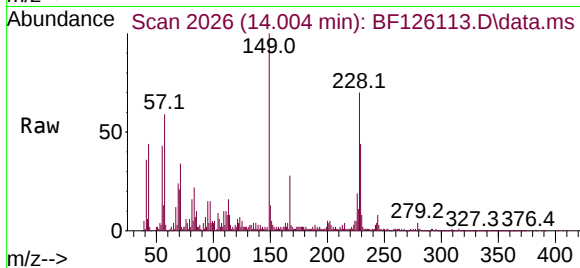




#84
Bis(2-ethylhexyl)phthalate
Concen: 27.435 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

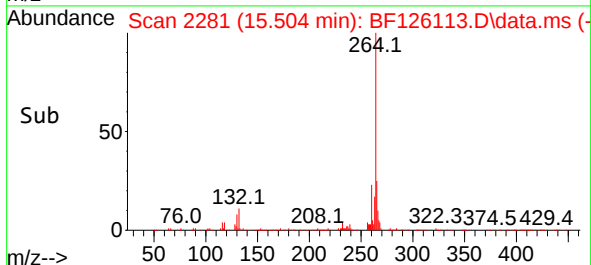
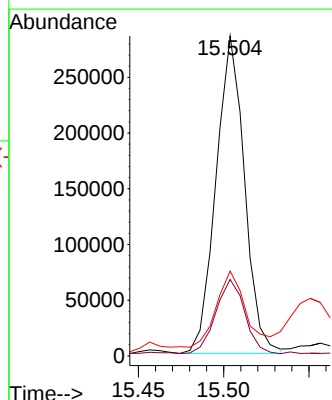
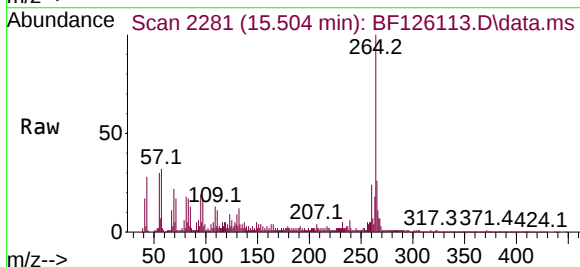
Instrument :
BNA_F
ClientSampleId :
DW-3

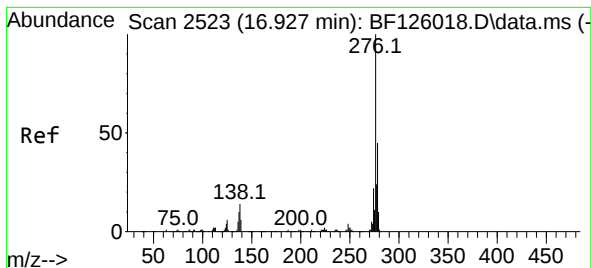
Tgt Ion:149 Resp: 457977
Ion Ratio Lower Upper
149 100
167 27.8 21.4 32.0
279 4.2 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.036 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion:264 Resp: 331066
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 26.5 17.2 25.8#





#87

Indeno(1,2,3-cd)pyrene

Concen: 67.596 ng

RT: 16.986 min Scan# 2110

Delta R.T. 0.059 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

Instrument :

BNA_F

ClientSampleId :

DW-3

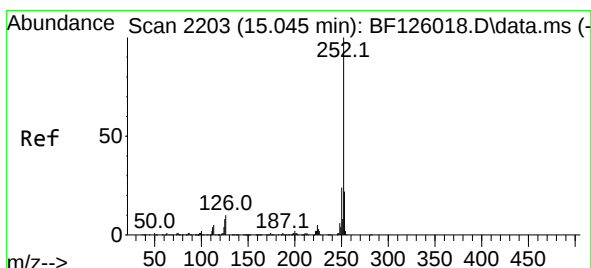
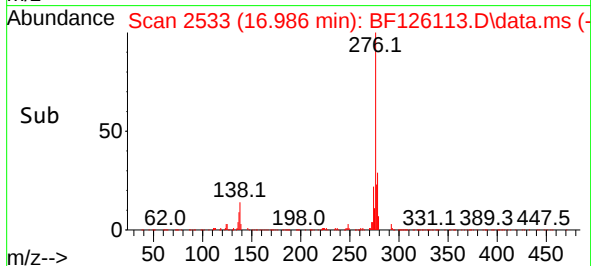
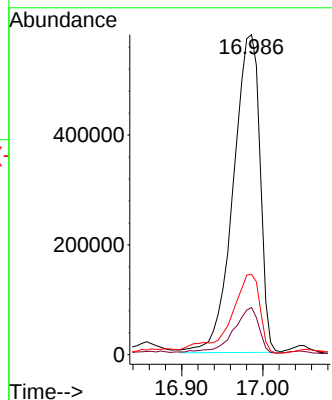
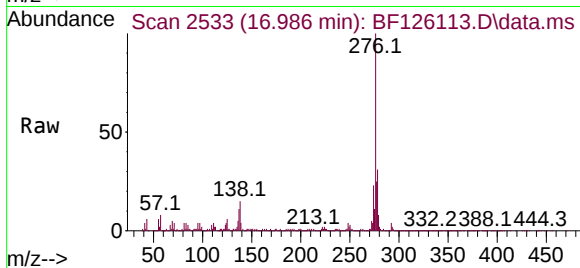
Tgt Ion:276 Resp: 1324590

Ion Ratio Lower Upper

276 100

138 13.9 24.1 36.1#

277 27.5 18.8 28.2



#88

Benzo(b)fluoranthene

Concen: 228.513 ng

RT: 15.086 min Scan# 2210

Delta R.T. 0.041 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

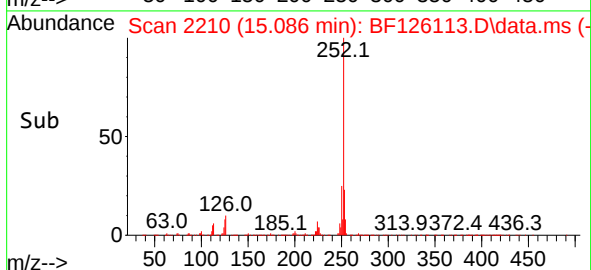
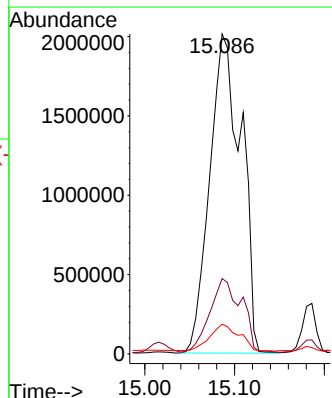
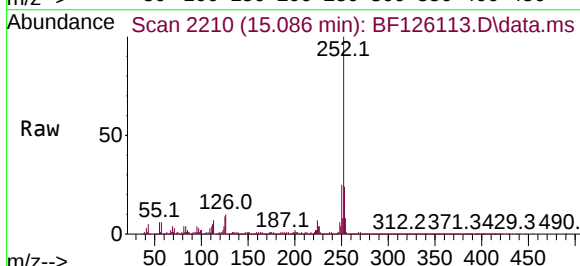
Tgt Ion:252 Resp: 4920888

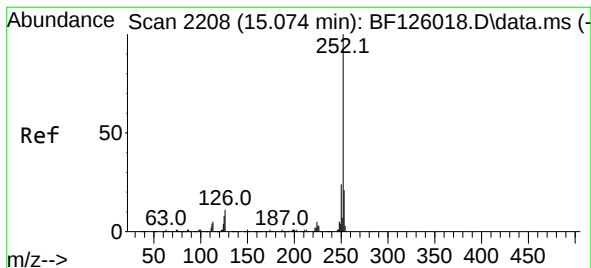
Ion Ratio Lower Upper

252 100

253 23.6 16.8 25.2

125 9.3 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 235.570 ng

RT: 15.086 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

Instrument :

BNF_F

ClientSampleId :

DW-3

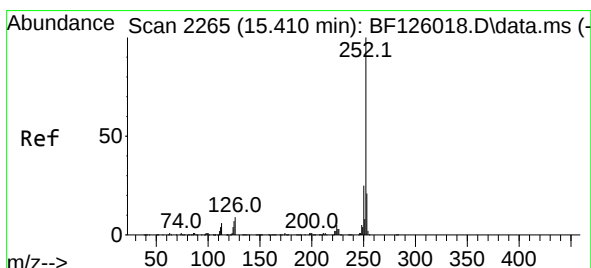
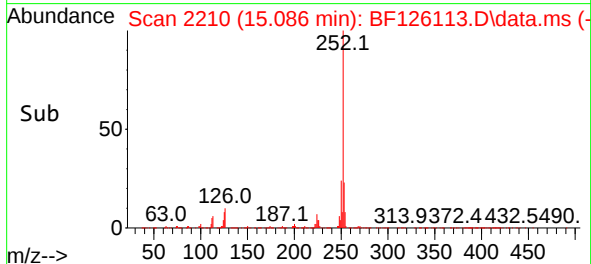
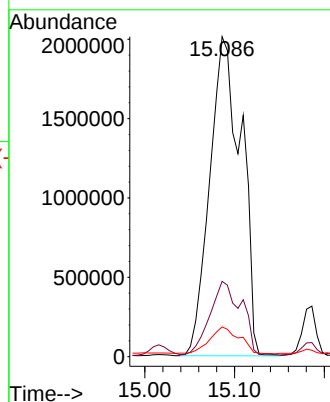
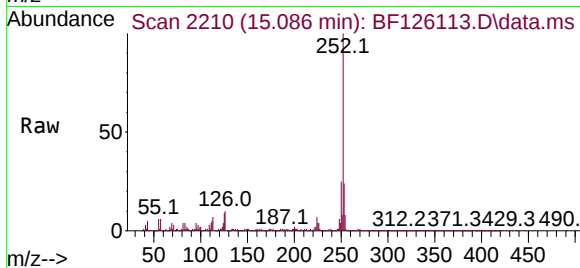
Tgt Ion:252 Resp: 4920888

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 9.3 7.2 10.8



#90

Benzo(a)pyrene

Concen: 95.172 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.024 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

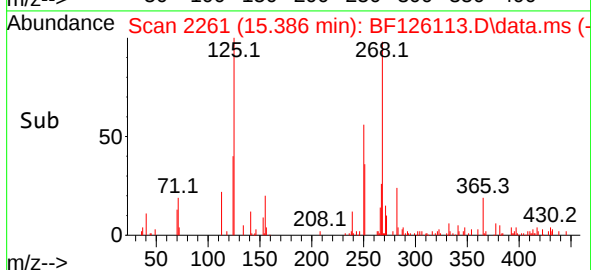
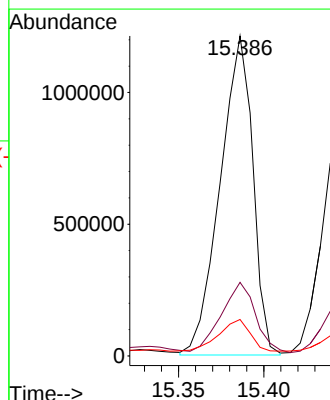
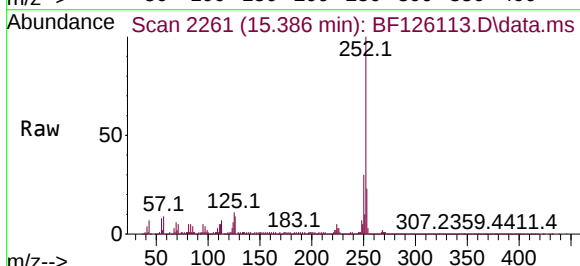
Tgt Ion:252 Resp: 1614642

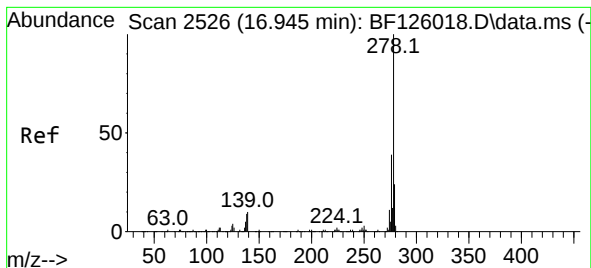
Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

125 11.4 9.9 14.9





#91

Dibenzo(a,h)anthracene

Concen: 6.160 ng

RT: 17.045 min Scan# 21

Delta R.T. 0.100 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

Instrument :

BNA_F

ClientSampleId :

DW-3

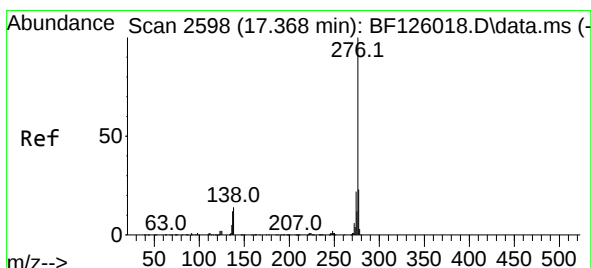
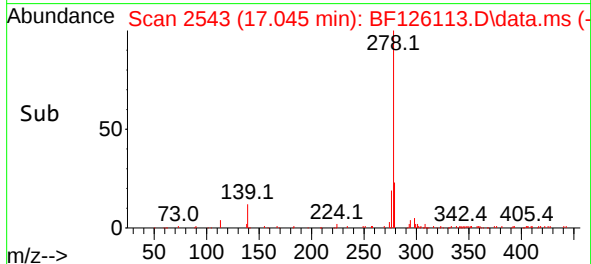
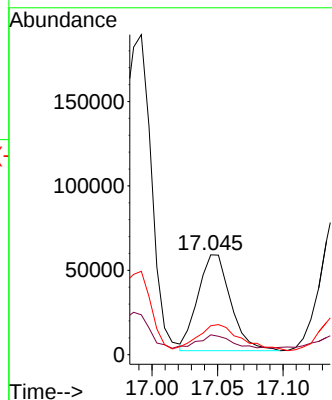
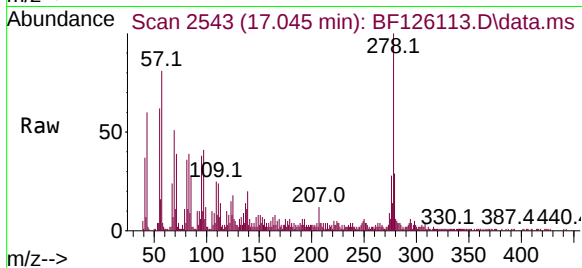
Tgt Ion:278 Resp: 99140

Ion Ratio Lower Upper

278 100

139 19.9 14.9 22.3

279 29.0 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 74.248 ng

RT: 17.433 min Scan# 2609

Delta R.T. 0.065 min

Lab File: BF126113.D

Acq: 10 Nov 2021 18:15

Tgt Ion:276 Resp: 1146071

Ion Ratio Lower Upper

276 100

277 23.1 22.0 33.0

138 12.9 22.2 33.4#

