

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053122\
 Data File : BF128602.D
 Acq On : 31 May 2022 18:56
 Operator : CG\JU
 Sample : N3109-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BB-11

Quant Time: Jun 01 00:58:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 27 01:51:59 2022
 Response via : Initial Calibration

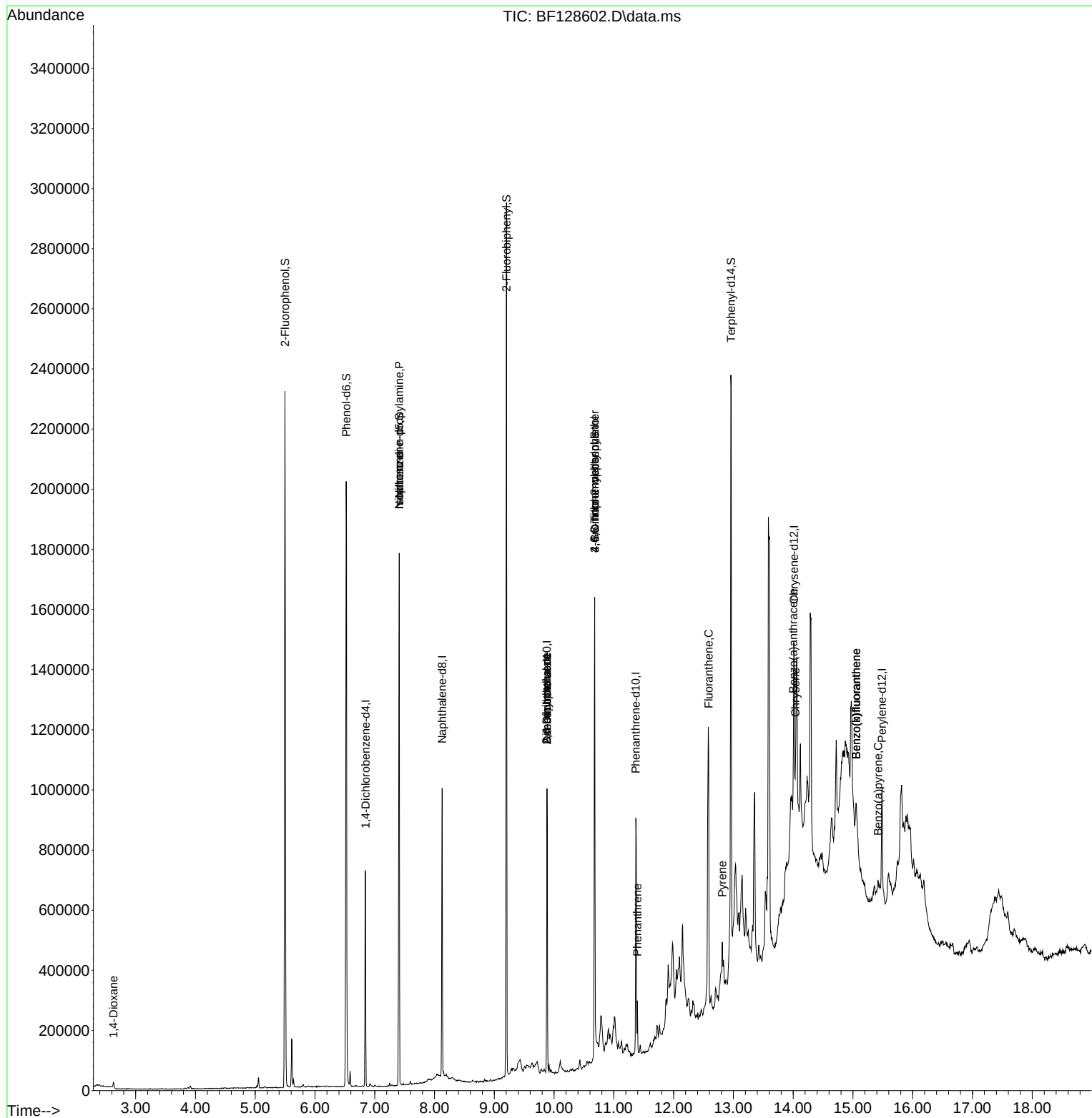
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	101764	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	366876	20.000	ng	# 0.00
39) Acenaphthene-d10	9.881	164	181598	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	293958	20.000	ng	0.00
76) Chrysene-d12	14.016	240	210048	20.000	ng	# 0.00
86) Perylene-d12	15.486	264	172607	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	590691	96.146	ng	0.05
7) Phenol-d6	6.522	99	707704	90.345	ng	0.05
23) Nitrobenzene-d5	7.410	82	518865	81.587	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	170354	98.556	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	786940	70.403	ng	0.00
79) Terphenyl-d14	12.963	244	673527	61.949	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.628	88	10091	3.684	ng	# 83
9) Benzaldehyde	6.393	77	349	Below Cal		# 52
19) n-Nitroso-di-n-propyla...	7.410	70	73608	15.326	ng	# 78
25) Isophorone	7.410	82	517084	44.075	ng	# 65
50) Dimethylphthalate	9.881	163	31334	2.660	ng	# 1
51) 2,6-Dinitrotoluene	9.881	165	23607	10.935	ng	# 29
57) 2,4-Dinitrotoluene	9.881	165	23608	9.140	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.681	198	437	5.787	ng	# 1
67) 4-Bromophenyl-phenylether	10.681	248	11259	3.707	ng	# 1
71) Phenanthrene	11.392	178	56481	4.056	ng	98
75) Fluoranthene	12.586	202	69437	4.664	ng	95
78) Pyrene	12.816	202	62006	3.918	ng	96
81) Benzo(a)anthracene	14.004	228	26295	2.106	ng	# 93
83) Chrysene	14.039	228	31136	2.435	ng	96
88) Benzo(b)fluoranthene	15.057	252	43501	4.051	ng	# 90
89) Benzo(k)fluoranthene	15.057	252	43501	4.373	ng	# 90
90) Benzo(a)pyrene	15.421	252	19365	2.248	ng	# 85

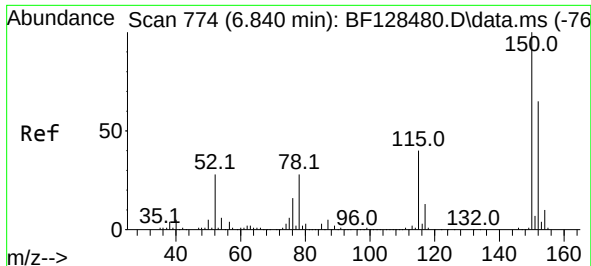
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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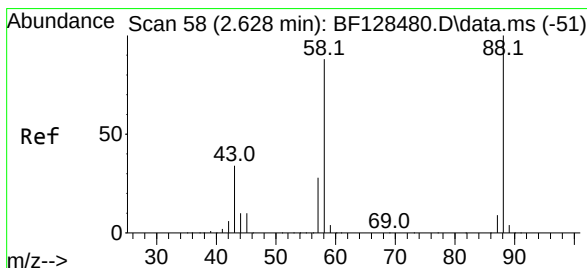
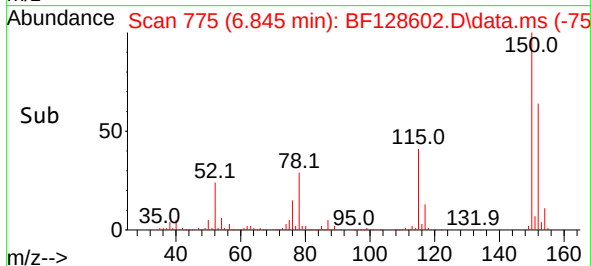
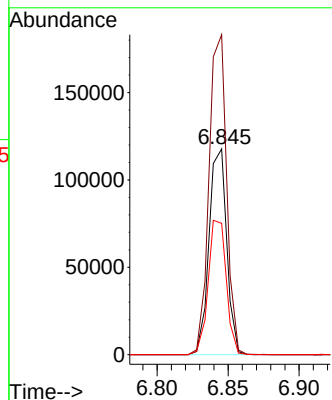
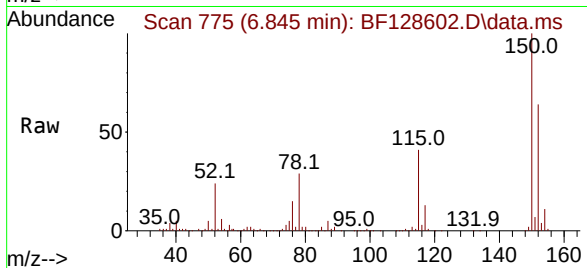




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.005 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

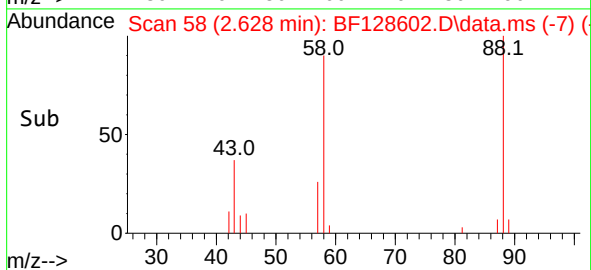
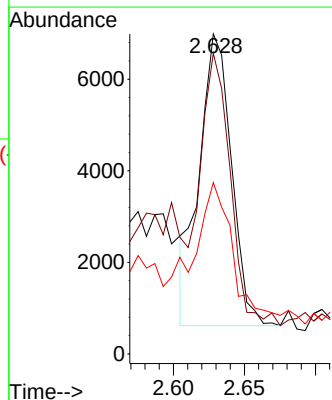
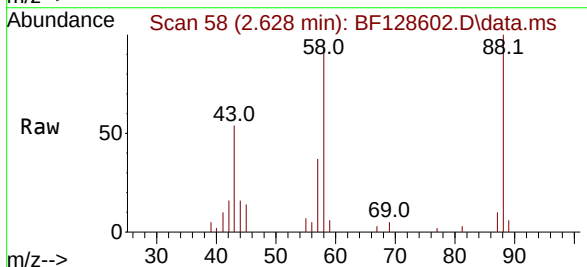
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BNA_F
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BB-11

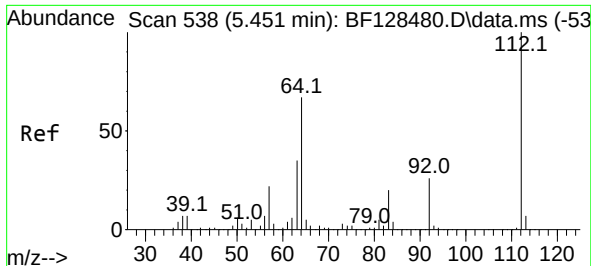
Tgt Ion:152 Resp: 101764
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 63.9 49.9 74.9



#2
1,4-Dioxane
Concen: 3.684 ng
RT: 2.628 min Scan# 58
Delta R.T. 0.000 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion: 88 Resp: 10091
Ion Ratio Lower Upper
88 100
58 84.3 71.8 107.8
43 59.9 26.6 39.8

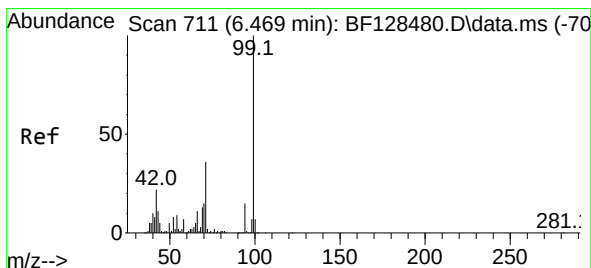
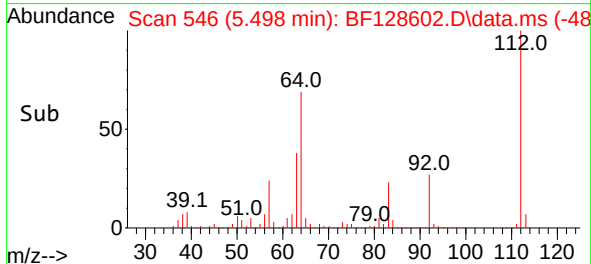
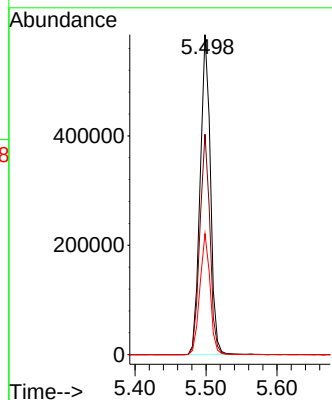
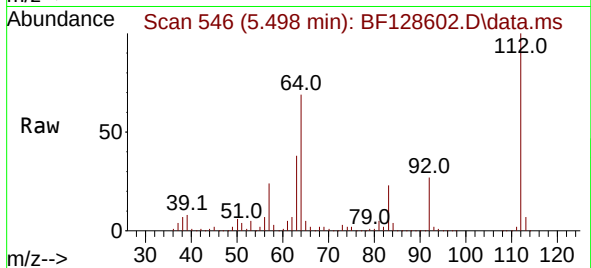




#5
2-Fluorophenol
Concen: 96.146 ng
RT: 5.498 min Scan# 54
Delta R.T. 0.047 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

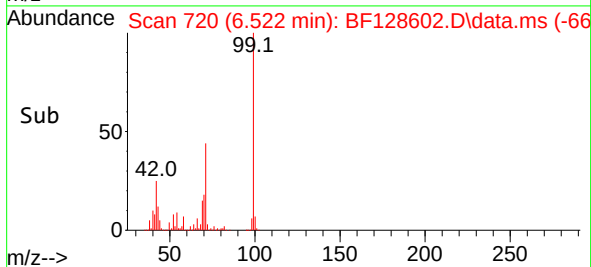
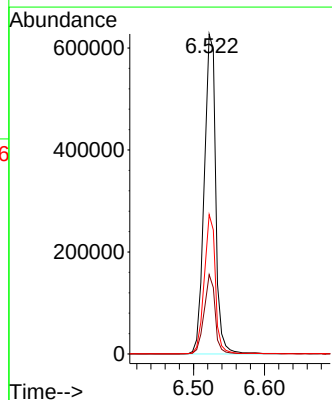
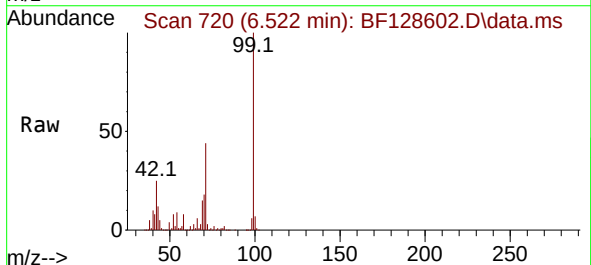
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BNA_F
ClientSampleId :
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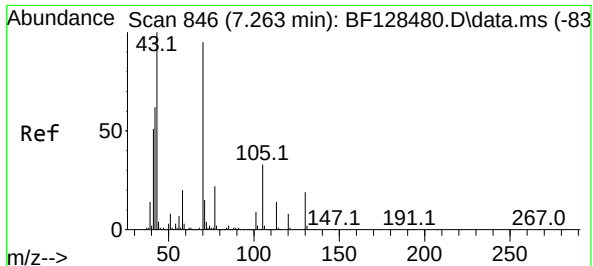
Tgt Ion:112 Resp: 590691
Ion Ratio Lower Upper
112 100
64 68.9 53.3 79.9
63 37.8 28.0 42.0



#7
Phenol-d6
Concen: 90.345 ng
RT: 6.522 min Scan# 720
Delta R.T. 0.053 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion: 99 Resp: 707704
Ion Ratio Lower Upper
99 100
42 24.8 17.3 25.9
71 43.5 28.9 43.3#





#19

n-Nitroso-di-n-propylamine

Concen: 15.326 ng

RT: 7.410 min Scan# 81

Delta R.T. 0.147 min

Lab File: BF128602.D

Acq: 31 May 2022 18:56

Instrument :

BNA_F

ClientSampleId :

BB-11

Tgt Ion: 70 Resp: 73608

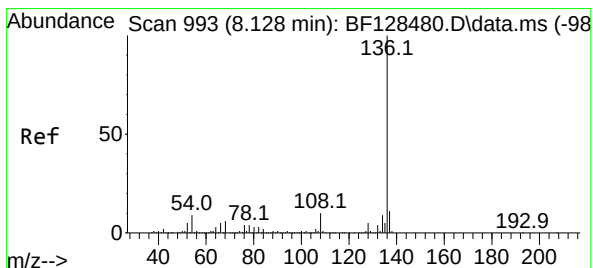
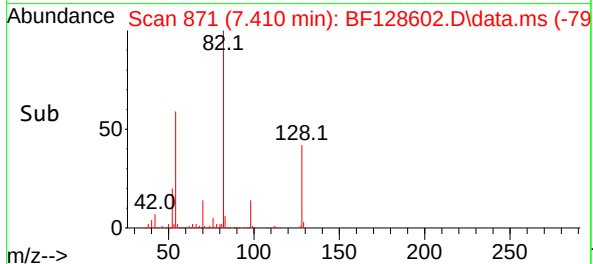
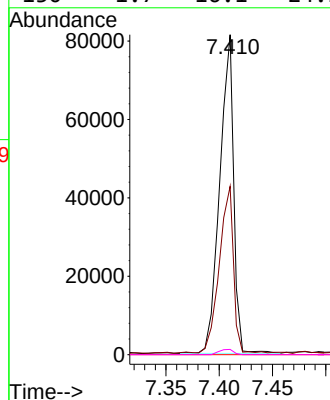
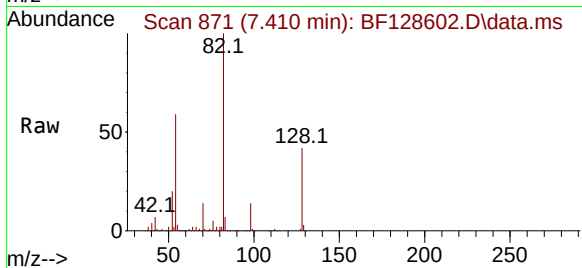
Ion Ratio Lower Upper

70 100

42 52.6 52.3 78.5

101 0.0 7.5 11.3#

130 1.7 16.1 24.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 993

Delta R.T. 0.000 min

Lab File: BF128602.D

Acq: 31 May 2022 18:56

Tgt Ion:136 Resp: 366876

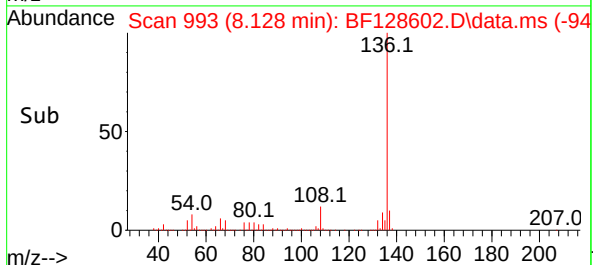
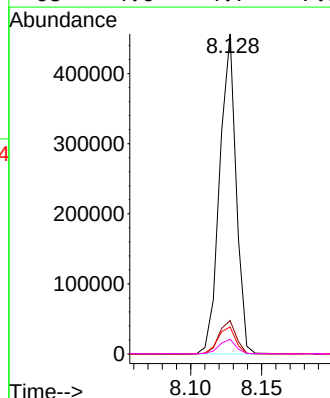
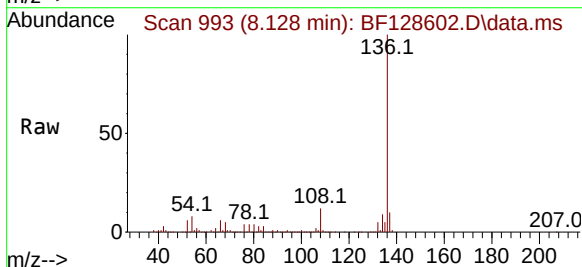
Ion Ratio Lower Upper

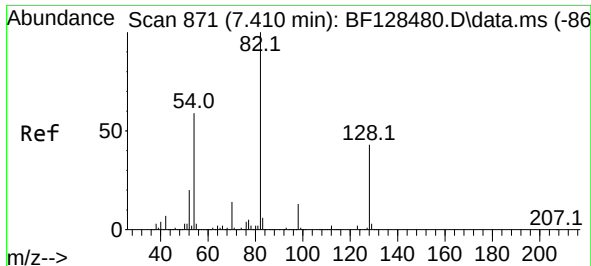
136 100

137 10.5 8.8 13.2

54 8.5 7.5 11.3

68 4.6 4.7 7.1#

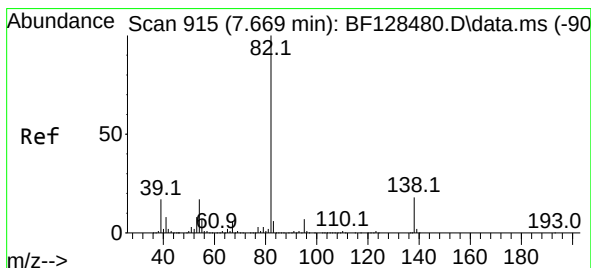
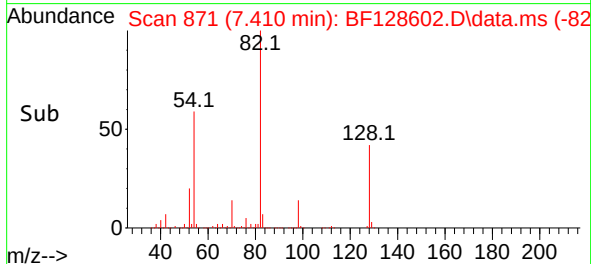
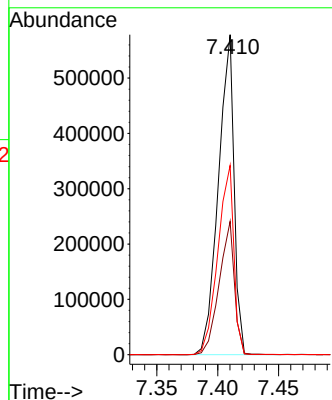
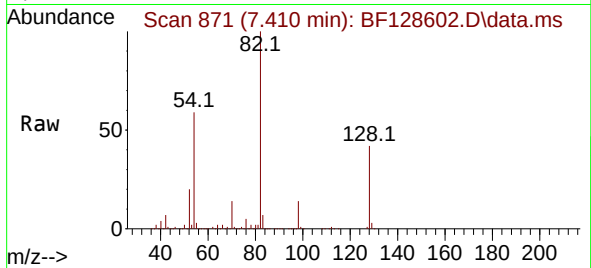




#23
Nitrobenzene-d5
Concen: 81.587 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

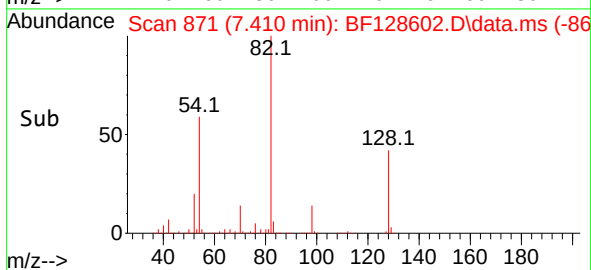
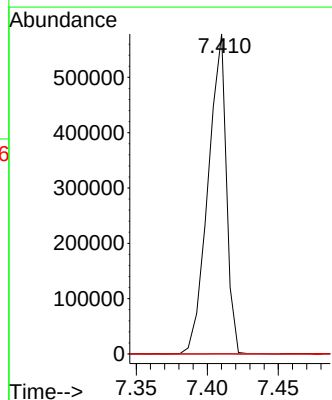
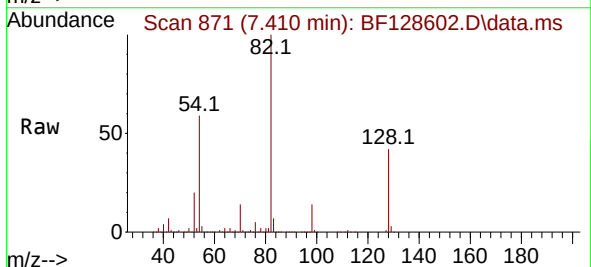
Instrument :
BNA_F
ClientSampleId :
BB-11

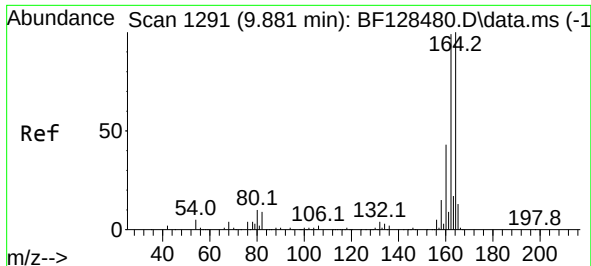
Tgt Ion: 82 Resp: 518865
Ion Ratio Lower Upper
82 100
128 41.6 34.0 51.0
54 59.2 46.9 70.3



#25
Isophorone
Concen: 44.075 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.259 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion: 82 Resp: 517084
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#

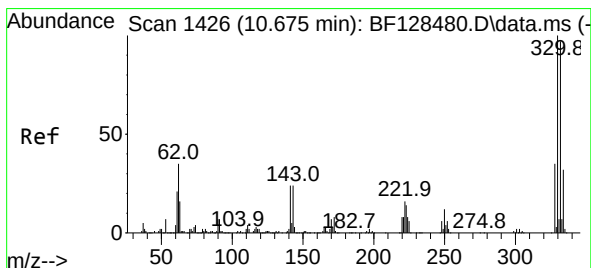
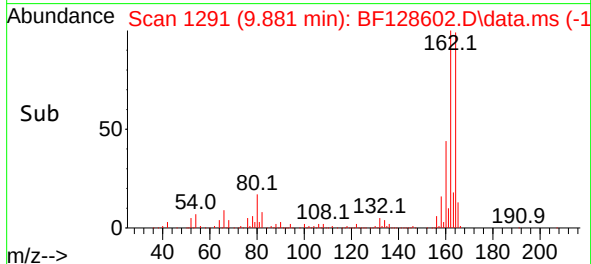
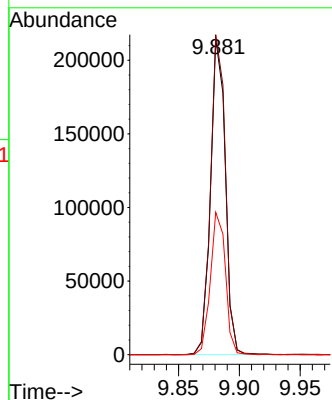
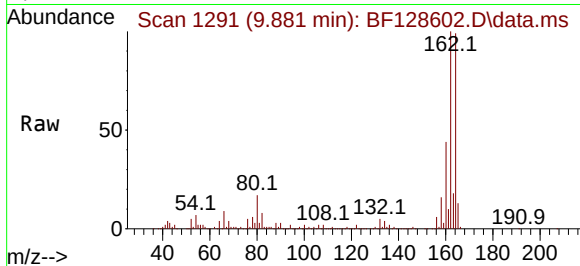




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

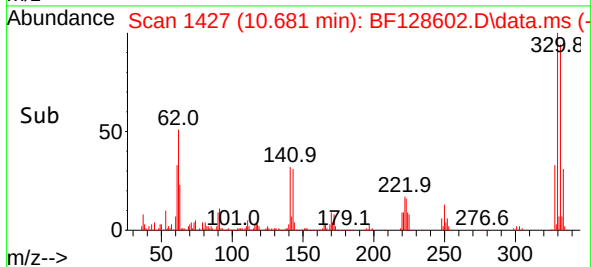
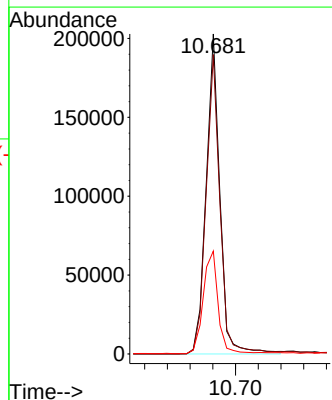
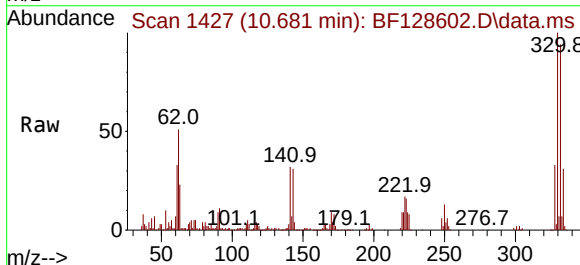
Instrument :
BNA_F
ClientSampleId :
BB-11

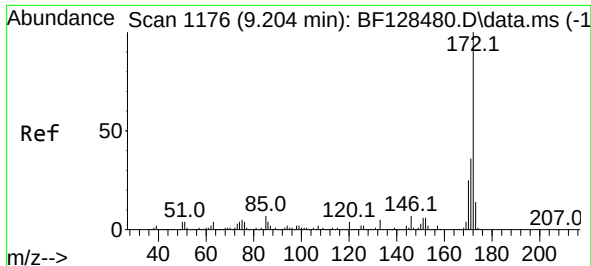
Tgt Ion:164 Resp: 181598
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 45.1 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 98.556 ng
RT: 10.681 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion:330 Resp: 170354
Ion Ratio Lower Upper
330 100
332 96.4 76.8 115.2
141 35.4 28.0 42.0

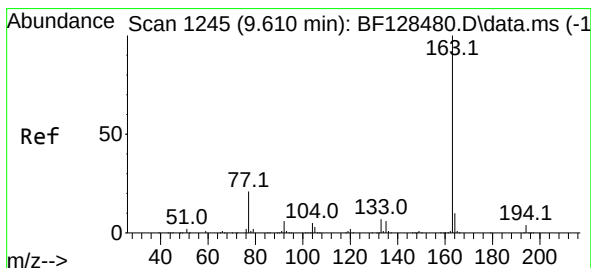
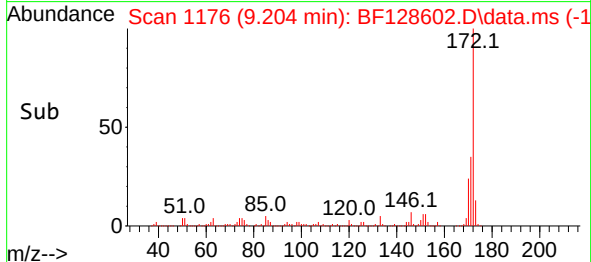
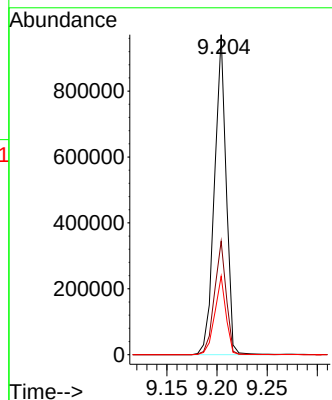
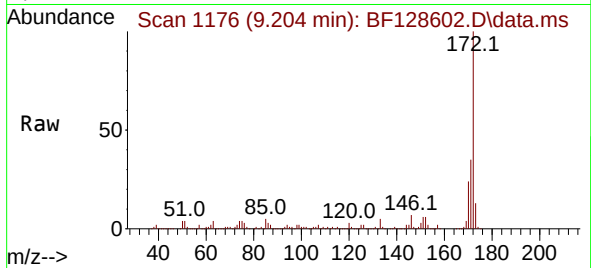




#45
2-Fluorobiphenyl
Concen: 70.403 ng
RT: 9.204 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

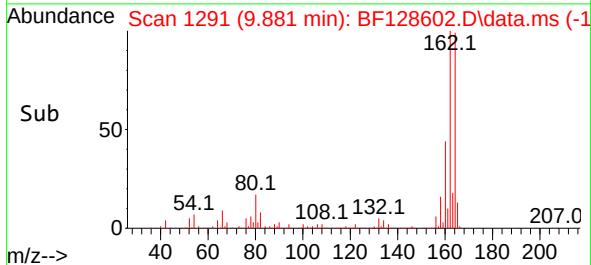
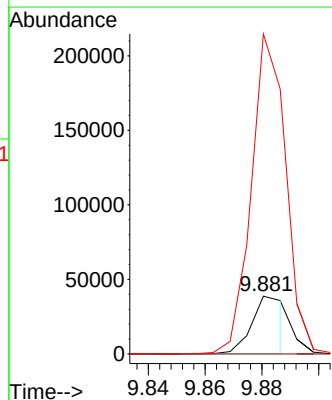
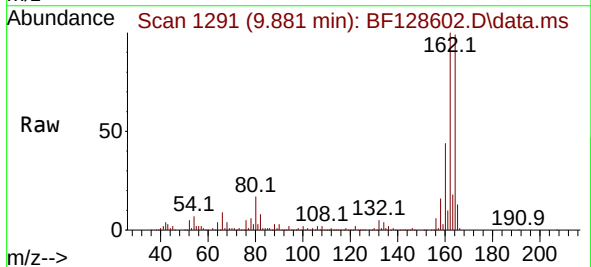
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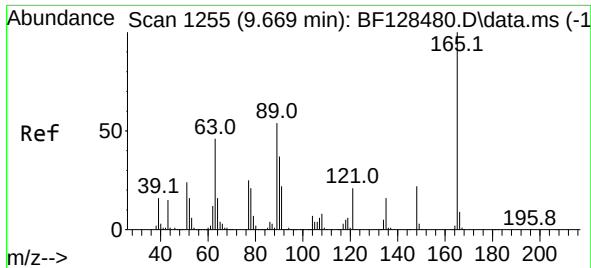
Tgt Ion:172 Resp: 786940
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 24.5 19.8 29.8



#50
Dimethylphthalate
Concen: 2.660 ng
RT: 9.881 min Scan# 1291
Delta R.T. 0.271 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion:163 Resp: 31334
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 553.6 8.2 12.2#

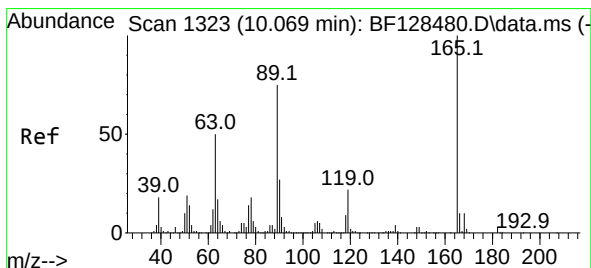
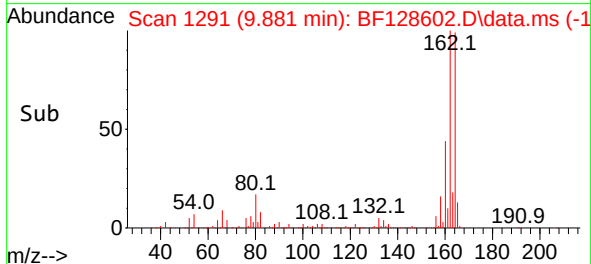
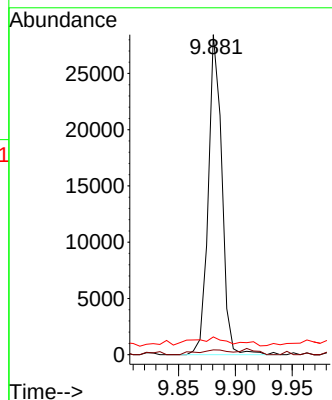
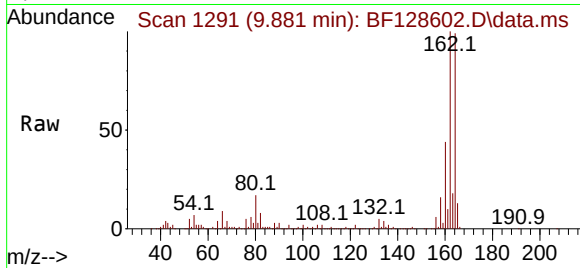




#51
2,6-Dinitrotoluene
Concen: 10.935 ng
RT: 9.881 min Scan# 1291
Delta R.T. 0.212 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

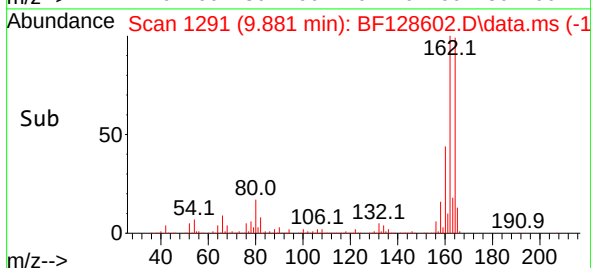
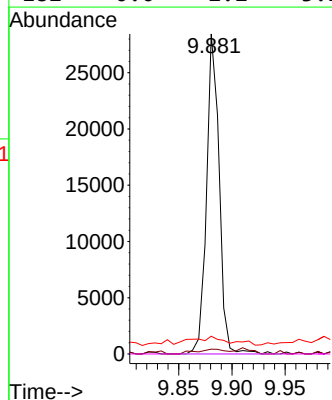
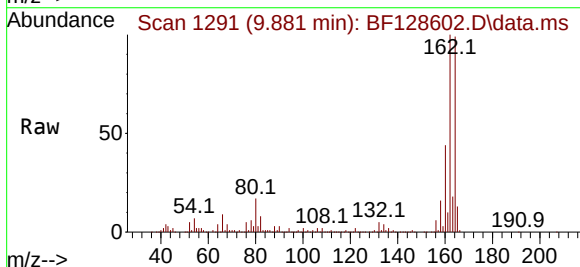
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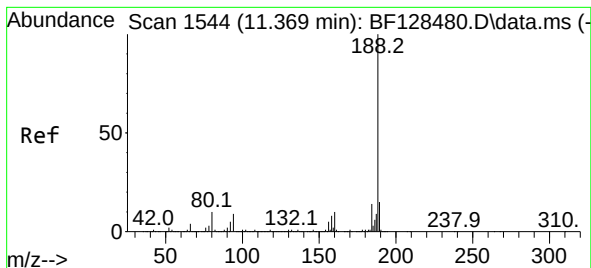
Tgt Ion:165 Resp: 23607
Ion Ratio Lower Upper
165 100
63 1.5 44.9 67.3#
89 5.6 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 9.140 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.188 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion:165 Resp: 23608
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 5.6 60.2 90.2#
182 0.0 2.2 3.2#

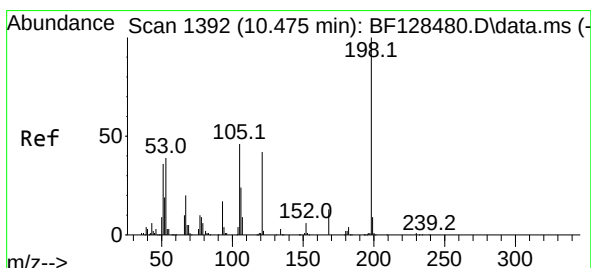
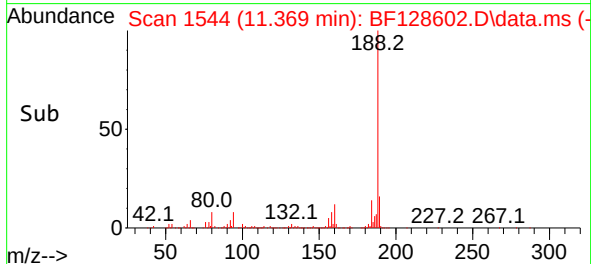
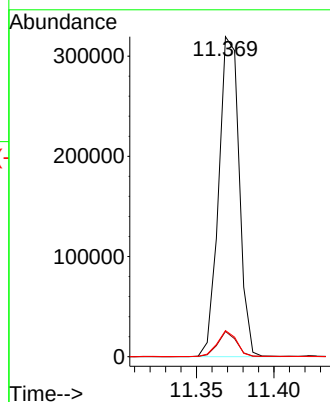
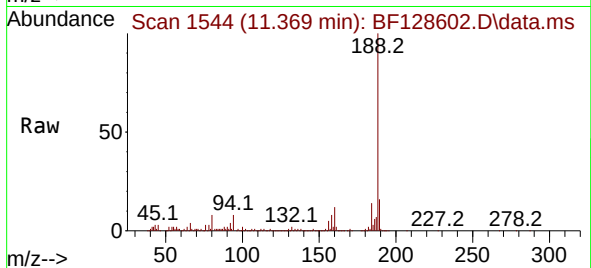




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

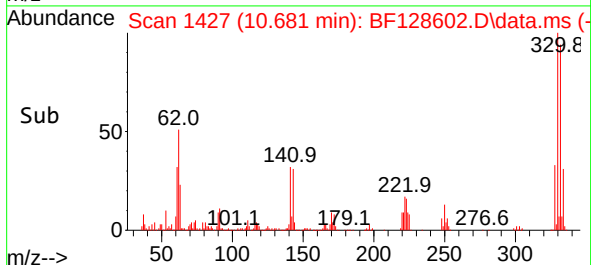
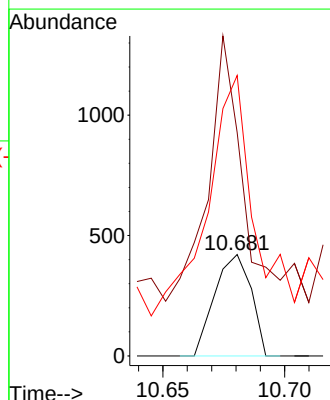
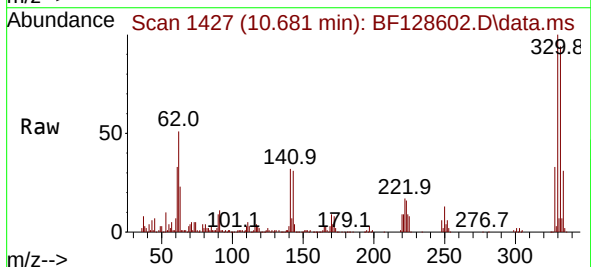
Instrument :
BNA_F
ClientSampleId :
BB-11

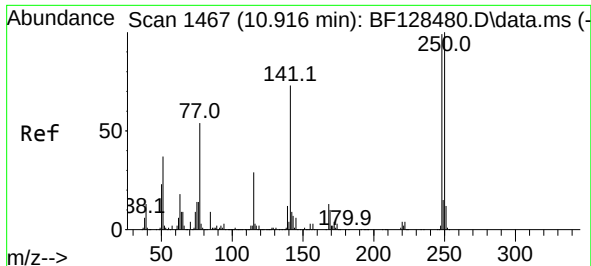
Tgt Ion:188 Resp: 293958
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.6
80 8.1 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.787 ng
RT: 10.681 min Scan# 1427
Delta R.T. 0.206 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion:198 Resp: 437
Ion Ratio Lower Upper
198 100
51 220.4 37.6 77.6#
105 276.7 27.0 67.0#

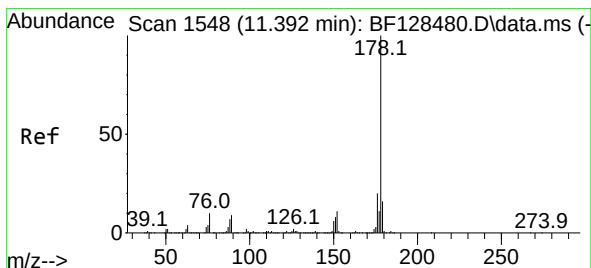
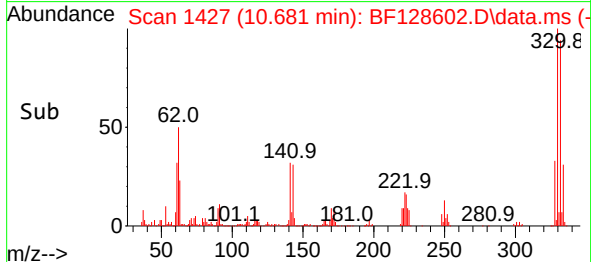
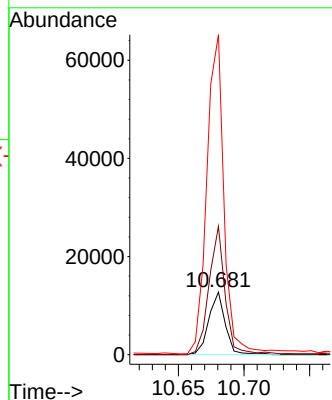
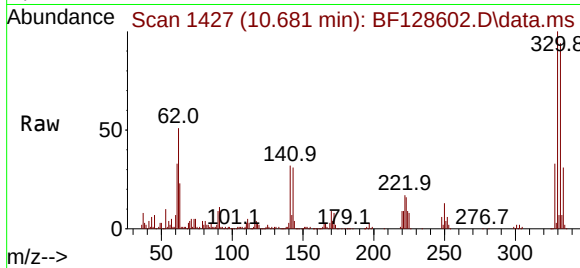




#67
4-Bromophenyl-phenylether
Concen: 3.707 ng
RT: 10.681 min Scan# 1467
Delta R.T. -0.236 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

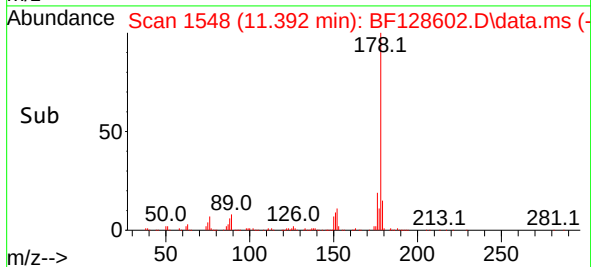
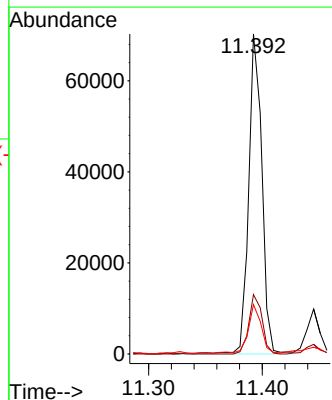
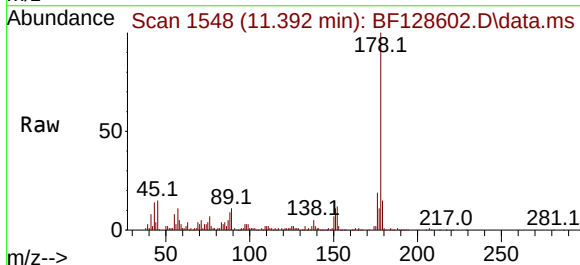
Instrument :
BNA_F
ClientSampleId :
BB-11

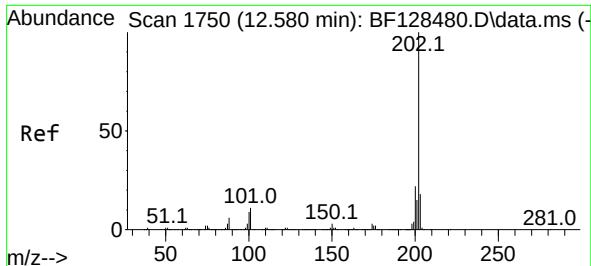
Tgt Ion:248 Resp: 11259
Ion Ratio Lower Upper
248 100
250 205.0 80.6 120.8#
141 511.2 58.9 88.3#



#71
Phenanthrene
Concen: 4.056 ng
RT: 11.392 min Scan# 1548
Delta R.T. 0.000 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion:178 Resp: 56481
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.4 12.6 19.0

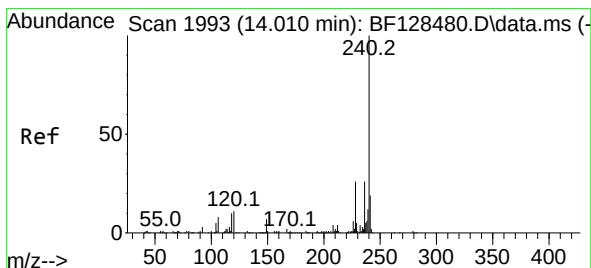
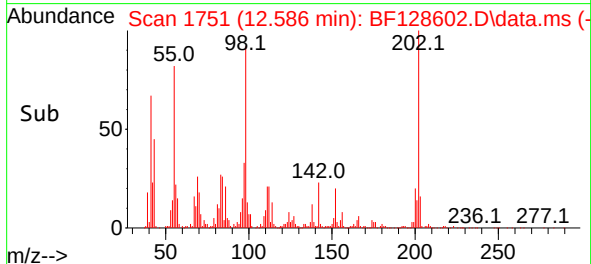
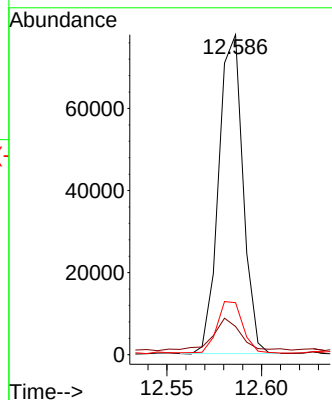
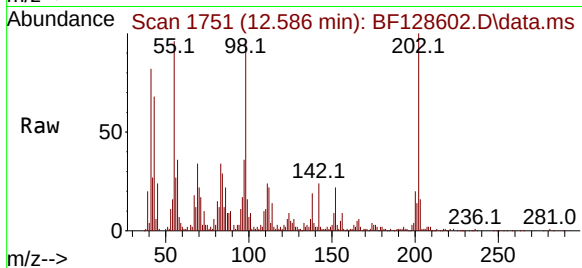




#75
Fluoranthene
Concen: 4.664 ng
RT: 12.586 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

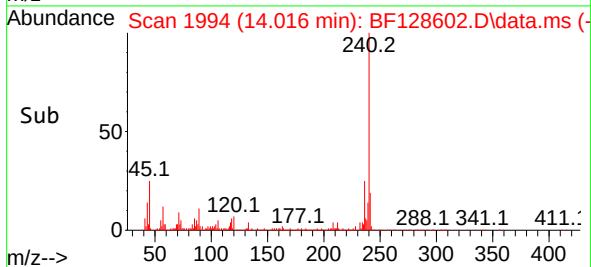
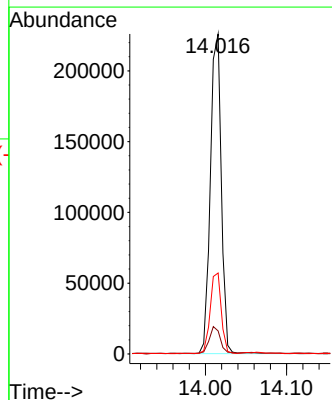
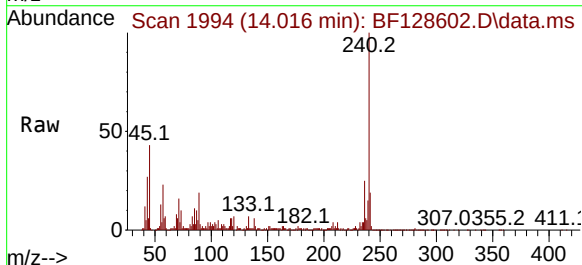
Instrument :
BNA_F
ClientSampleId :
BB-11

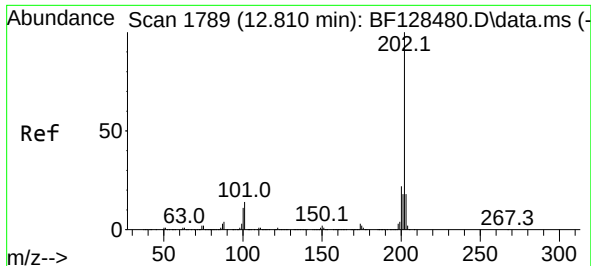
Tgt Ion:202 Resp: 69437
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.4
203 16.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion:240 Resp: 210048
Ion Ratio Lower Upper
240 100
120 7.2 8.9 13.3#
236 25.3 20.8 31.2

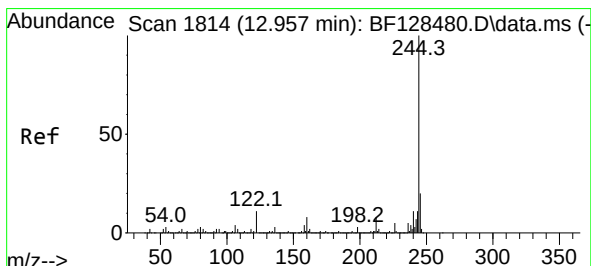
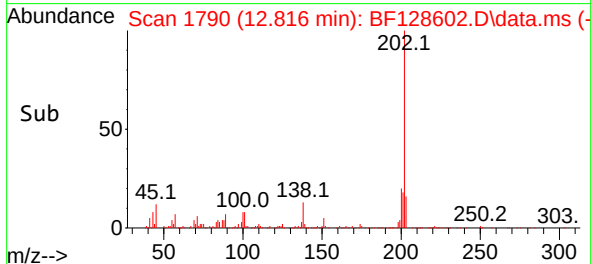
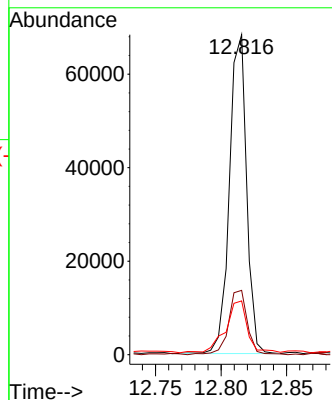
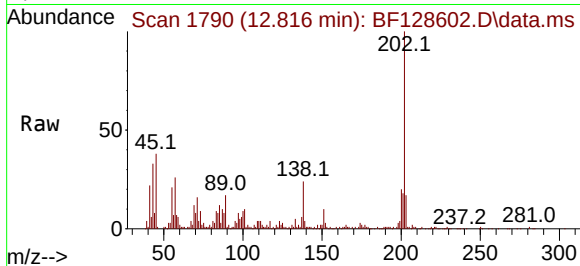




#78
Pyrene
Concen: 3.918 ng
RT: 12.816 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

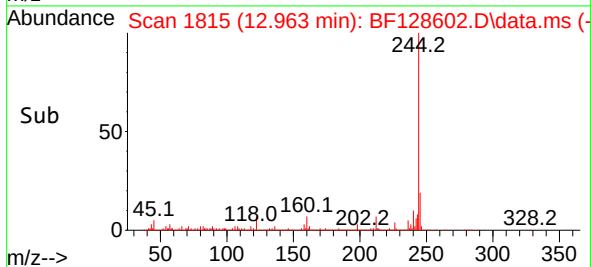
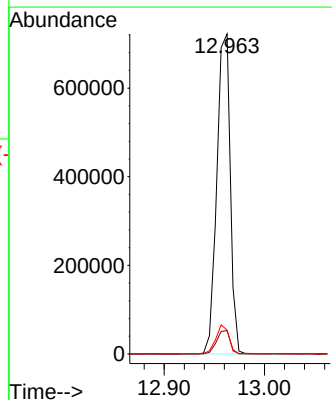
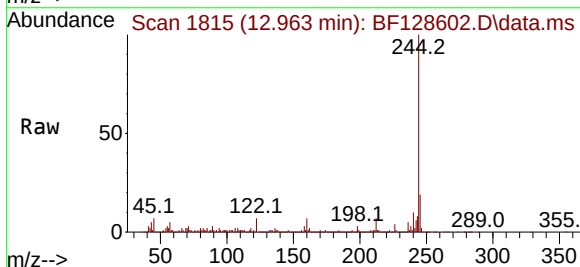
Instrument :
BNA_F
ClientSampleId :
BB-11

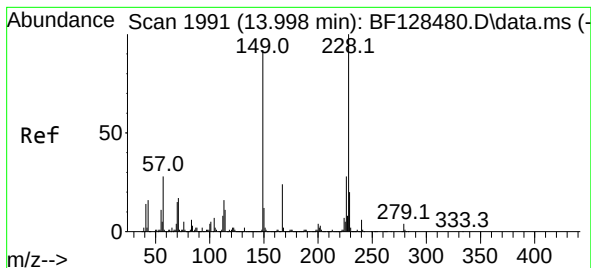
Tgt Ion:202 Resp: 62006
Ion Ratio Lower Upper
202 100
200 20.1 17.7 26.5
203 16.8 14.6 21.8



#79
Terphenyl-d14
Concen: 61.949 ng
RT: 12.963 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BF128602.D
Acq: 31 May 2022 18:56

Tgt Ion:244 Resp: 673527
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 7.5 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 2.106 ng

RT: 14.004 min Scan# 1992

Delta R.T. 0.006 min

Lab File: BF128602.D

Acq: 31 May 2022 18:56

Instrument :

BNA_F

ClientSampleId :

BB-11

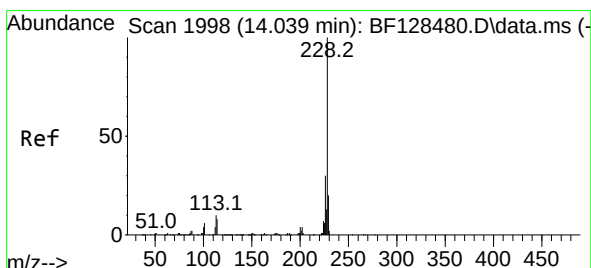
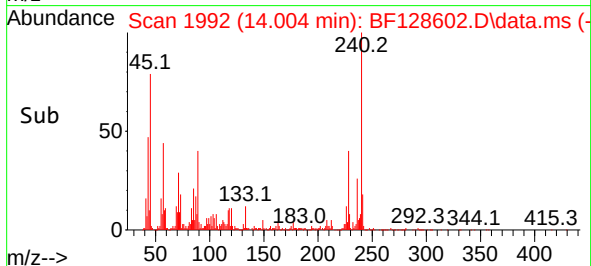
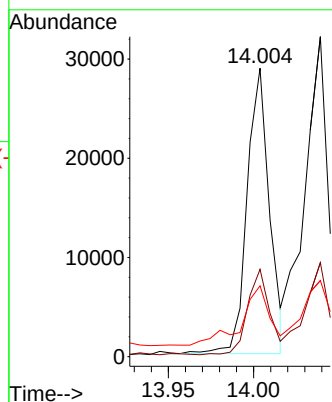
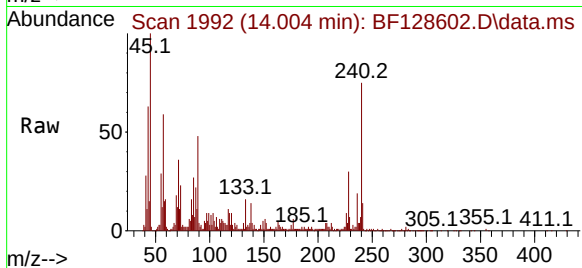
Tgt Ion:228 Resp: 26295

Ion Ratio Lower Upper

228 100

226 30.3 22.1 33.1

229 24.6 15.8 23.8#



#83

Chrysene

Concen: 2.435 ng

RT: 14.039 min Scan# 1998

Delta R.T. 0.000 min

Lab File: BF128602.D

Acq: 31 May 2022 18:56

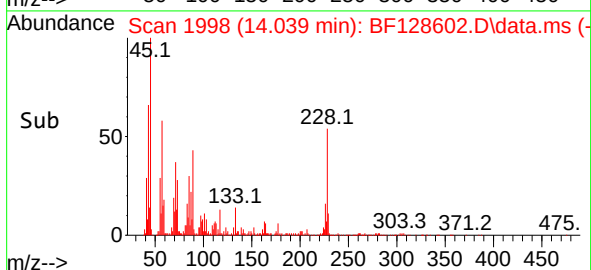
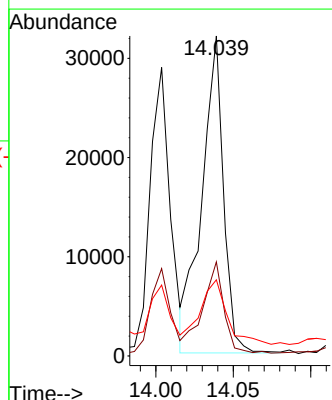
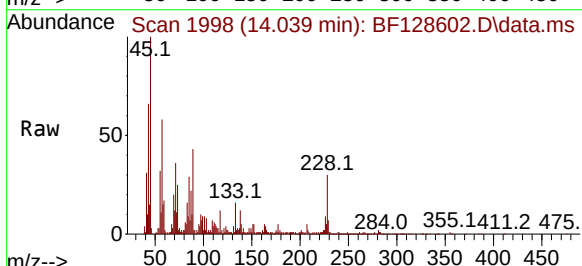
Tgt Ion:228 Resp: 31136

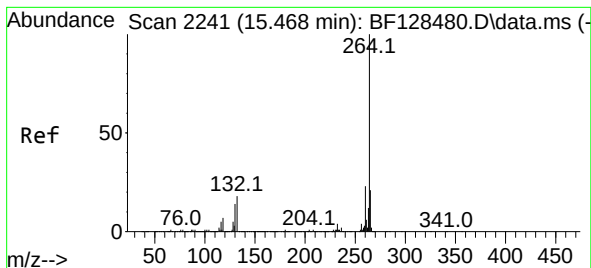
Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

229 23.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2171

Delta R.T. 0.018 min

Lab File: BF128602.D

Acq: 31 May 2022 18:56

Instrument :

BNA_F

ClientSampleId :

BB-11

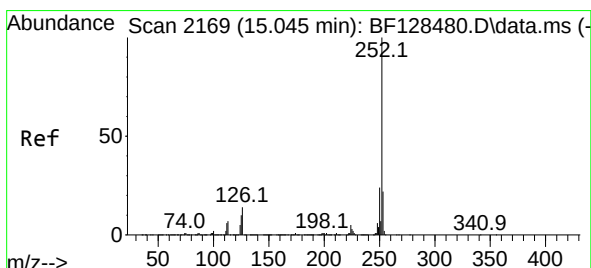
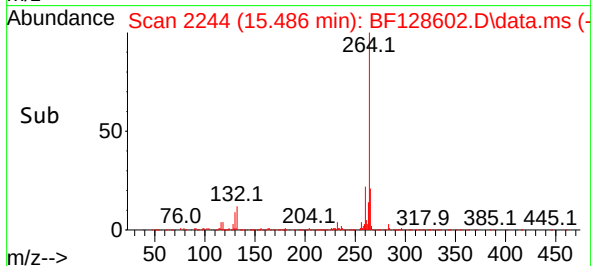
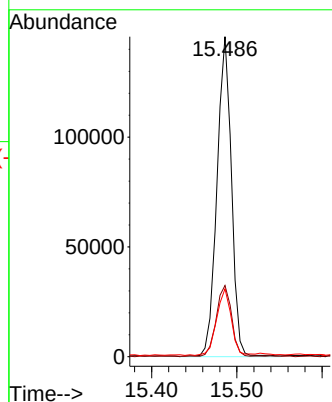
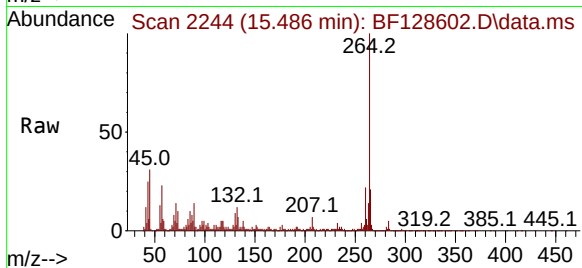
Tgt Ion:264 Resp: 172607

Ion Ratio Lower Upper

264 100

260 22.2 18.4 27.6

265 21.2 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 4.051 ng

RT: 15.057 min Scan# 2171

Delta R.T. 0.012 min

Lab File: BF128602.D

Acq: 31 May 2022 18:56

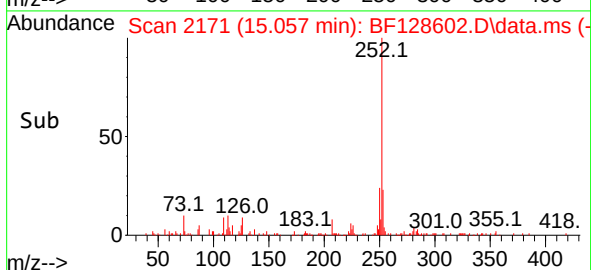
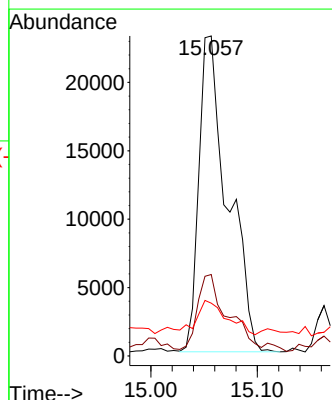
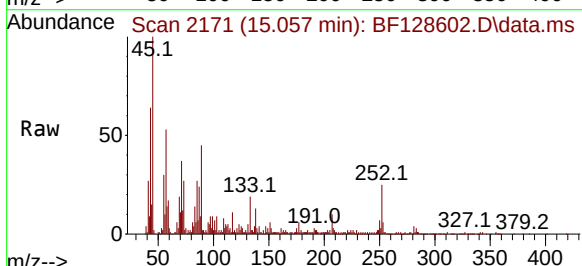
Tgt Ion:252 Resp: 43501

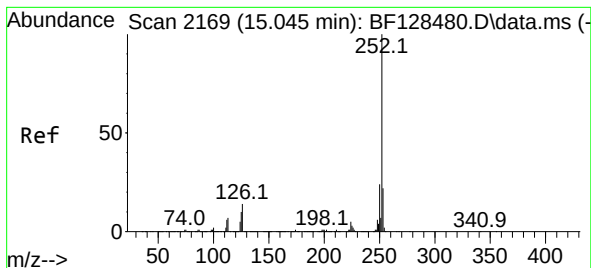
Ion Ratio Lower Upper

252 100

253 25.5 17.7 26.5

125 16.5 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 4.373 ng

RT: 15.057 min Scan# 2169

Delta R.T. -0.018 min

Lab File: BF128602.D

Acq: 31 May 2022 18:56

Instrument :

BNA_F

ClientSampleId :

BB-11

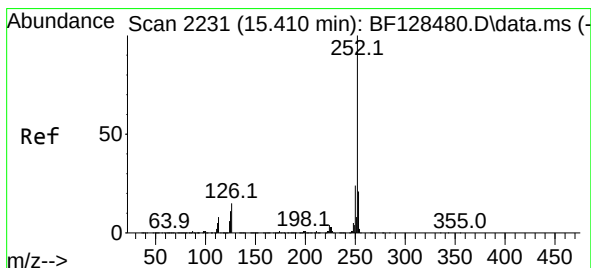
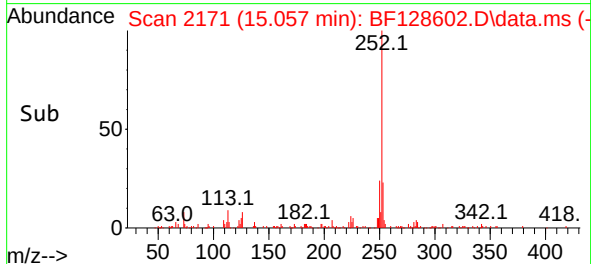
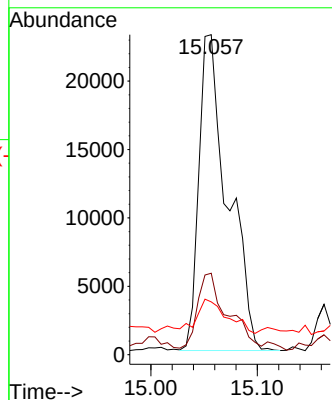
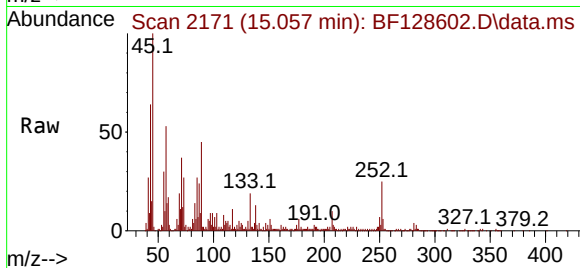
Tgt Ion:252 Resp: 43501

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.6

125 16.5 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 2.248 ng

RT: 15.421 min Scan# 2233

Delta R.T. 0.012 min

Lab File: BF128602.D

Acq: 31 May 2022 18:56

Tgt Ion:252 Resp: 19365

Ion Ratio Lower Upper

252 100

253 25.9 17.0 25.6#

125 20.3 8.8 13.2#

