

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
 Data File : BF128780.D
 Acq On : 13 Jun 2022 13:11
 Operator : CG\JU
 Sample : N3203-01DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GATE-6-JET-GROUT-SPOILSDL

Quant Time: Jun 13 13:59:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

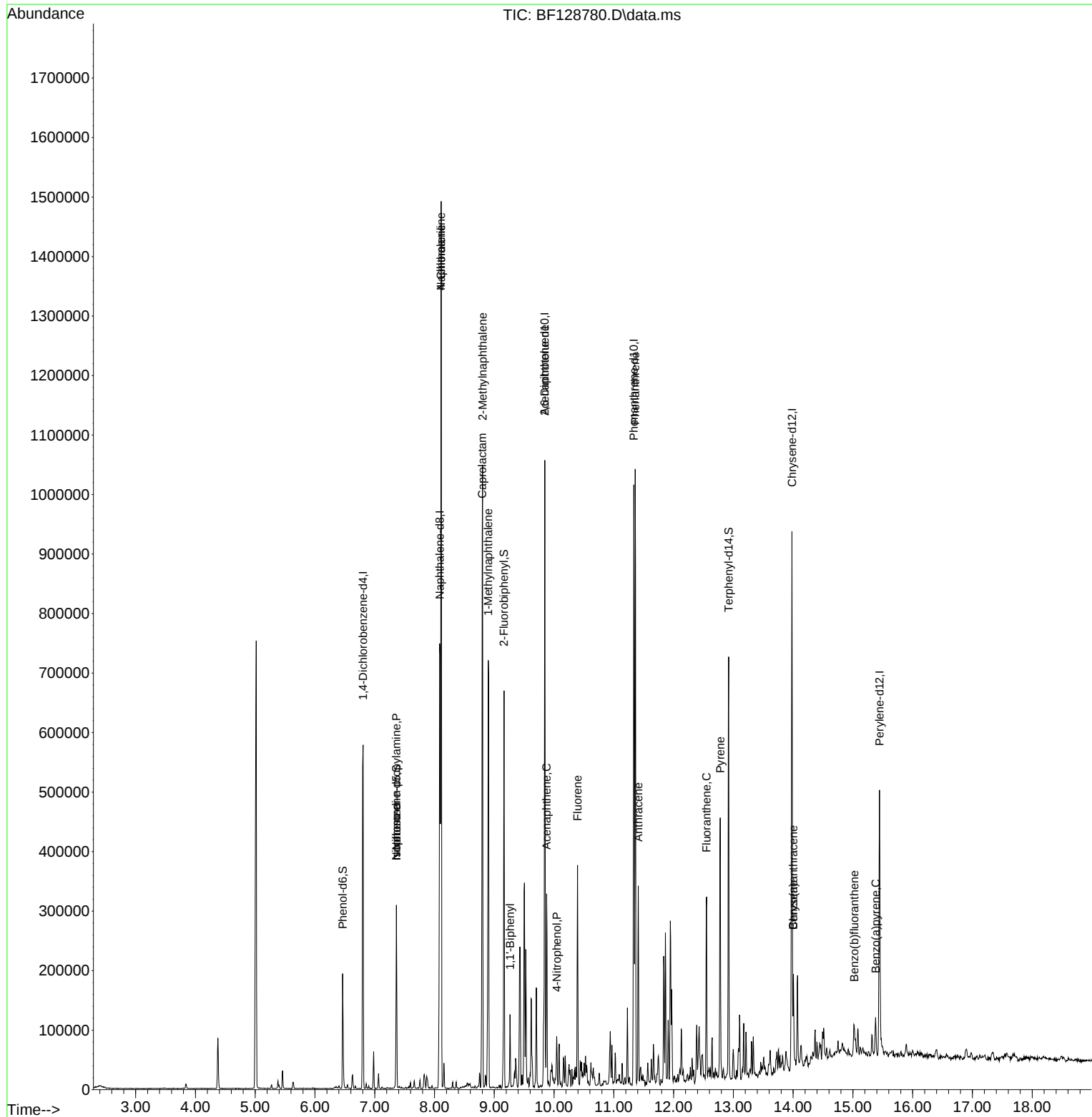
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	88352	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	337318	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	198328	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	377197	20.000	ng	0.00
76) Chrysene-d12	13.980	240	282256	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	200271	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	7990	1.440	ng	0.00
7) Phenol-d6	6.463	99	54183	8.002	ng	-0.02
23) Nitrobenzene-d5	7.363	82	86709	11.968	ng	-0.02
42) 2,4,6-Tribromophenol	10.639	330	458	0.195	ng	-0.01
45) 2-Fluorobiphenyl	9.163	172	185980	13.136	ng	-0.01
79) Terphenyl-d14	12.922	244	234338	14.426	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	12356	2.935	ng	# 78
25) Isophorone	7.363	82	86482	7.859	ng	# 65
31) Naphthalene	8.110	128	628862	36.327	ng	99
33) 4-Chloroaniline	8.110	127	83249	12.755	ng	# 32
35) Caprolactam	8.798	113	7522	5.265	ng	# 1
37) 2-Methylnaphthalene	8.804	142	276343	25.097	ng	98
38) 1-Methylnaphthalene	8.898	142	200229	18.821	ng	92
46) 1,1'-Biphenyl	9.263	154	34244	2.301	ng	96
51) 2,6-Dinitrotoluene	9.845	165	29151	10.880	ng	# 26
52) Acenaphthene	9.875	154	59384	5.246	ng	94
56) 4-Nitrophenol	10.045	139	5258	2.494	ng	# 11
58) Fluorene	10.392	166	96070	7.614	ng	99
71) Phenanthrene	11.357	178	366003	19.345	ng	98
72) Anthracene	11.410	178	116920	6.244	ng	98
75) Fluoranthene	12.551	202	114341	5.782	ng	95
78) Pyrene	12.780	202	173712	8.272	ng	99
81) Benzo(a)anthracene	14.004	228	52803	3.001	ng	96
83) Chrysene	14.004	228	52803	3.148	ng	99
88) Benzo(b)fluoranthene	15.021	252	40121	3.135	ng	96
90) Benzo(a)pyrene	15.380	252	27956	2.779	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
Data File : BF128780.D
Acq On : 13 Jun 2022 13:11
Operator : CG\JU
Sample : N3203-01DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

Quant Time: Jun 13 13:59:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
Response via : Initial Calibration

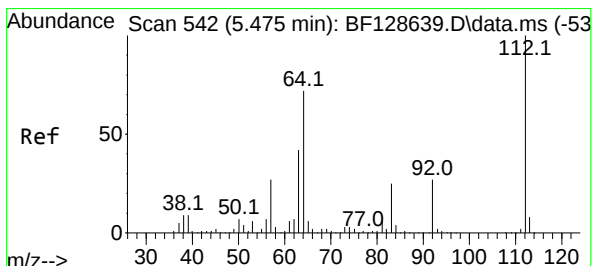
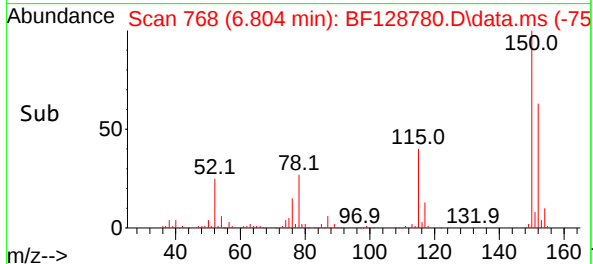
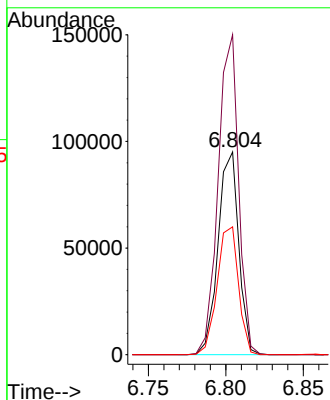
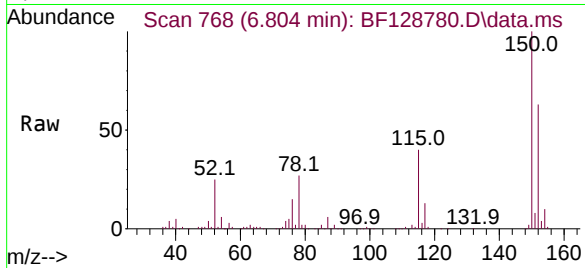




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

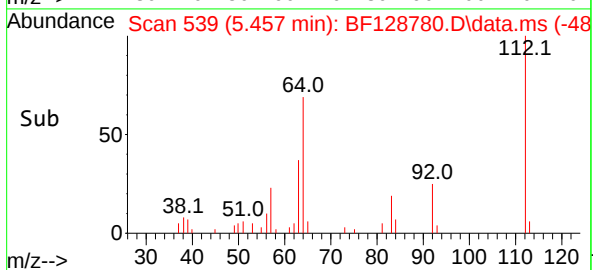
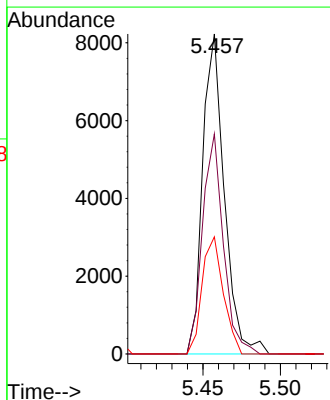
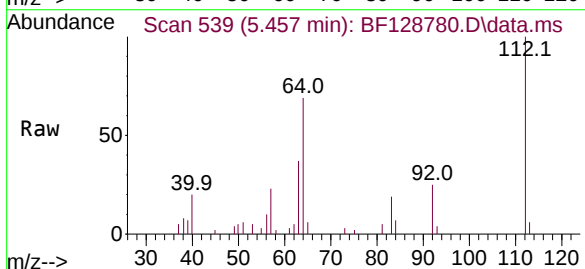
Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

Tgt Ion:152 Resp: 88352
Ion Ratio Lower Upper
152 100
150 157.8 123.7 185.5
115 63.0 49.9 74.9



#5
2-Fluorophenol
Concen: 1.440 ng
RT: 5.457 min Scan# 539
Delta R.T. -0.000 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Tgt Ion:112 Resp: 7990
Ion Ratio Lower Upper
112 100
64 68.7 53.3 79.9
63 36.6 28.0 42.0

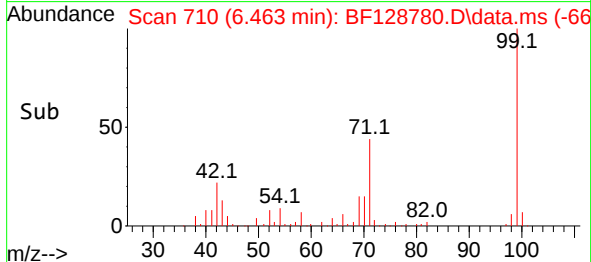
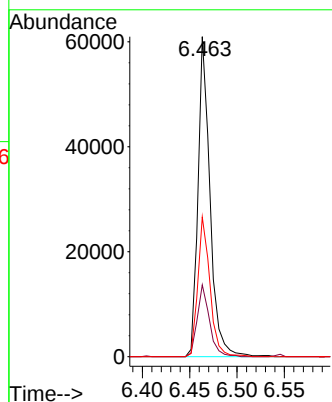
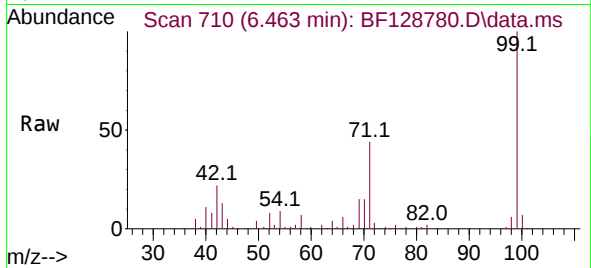




#7
Phenol-d6
Concen: 8.002 ng
RT: 6.463 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

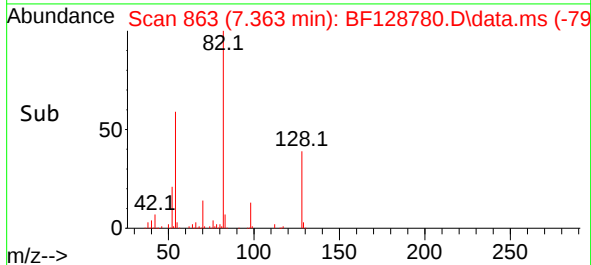
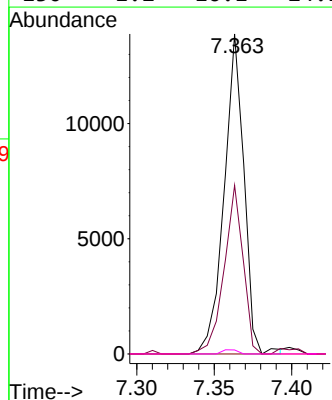
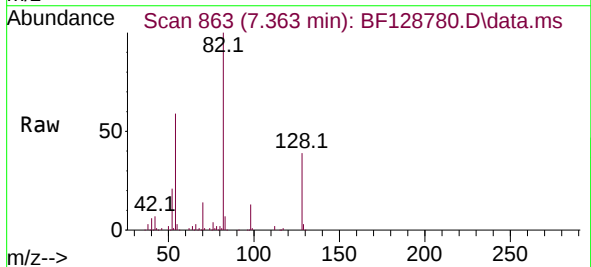
Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

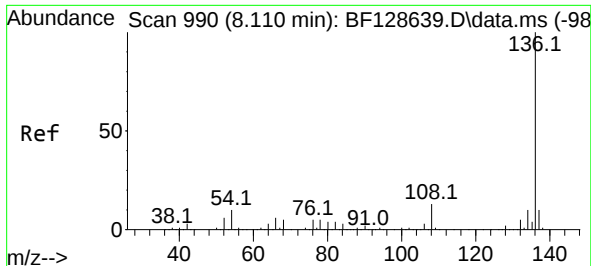
Tgt Ion: 99 Resp: 54183
Ion Ratio Lower Upper
99 100
42 22.5 17.3 25.9
71 43.6 28.9 43.3#



#19
n-Nitroso-di-n-propylamine
Concen: 2.935 ng
RT: 7.363 min Scan# 863
Delta R.T. 0.129 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Tgt Ion: 70 Resp: 12356
Ion Ratio Lower Upper
70 100
42 52.7 52.3 78.5
101 0.0 7.5 11.3#
130 1.2 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.087 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF128780.D

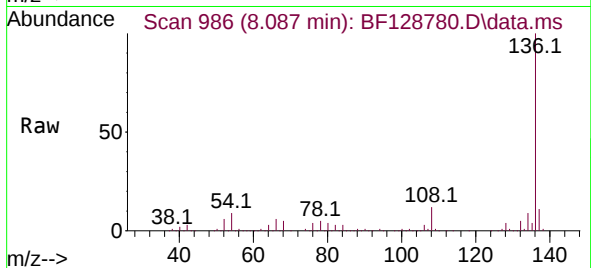
Acq: 13 Jun 2022 13:11

Instrument :

BNA_F

ClientSampleId :

GATE-6-JET-GROUT-SPOILSDL



Tgt Ion:136 Resp: 337318

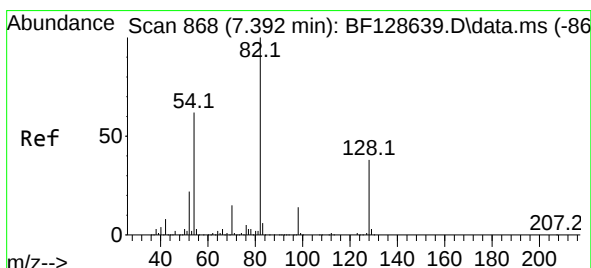
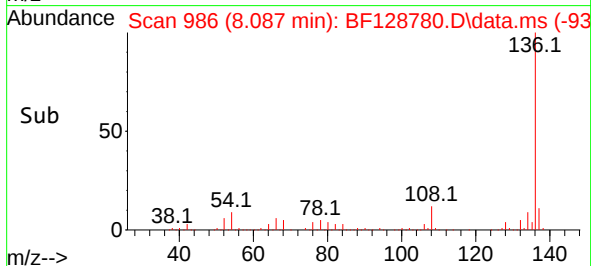
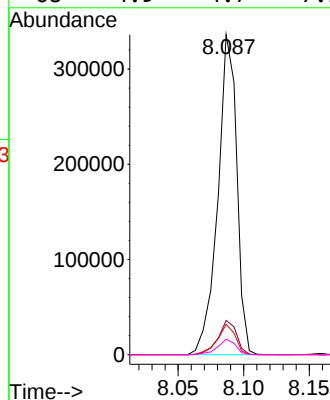
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 9.5 7.5 11.3

68 4.9 4.7 7.1



#23

Nitrobenzene-d5

Concen: 11.968 ng

RT: 7.363 min Scan# 863

Delta R.T. -0.018 min

Lab File: BF128780.D

Acq: 13 Jun 2022 13:11

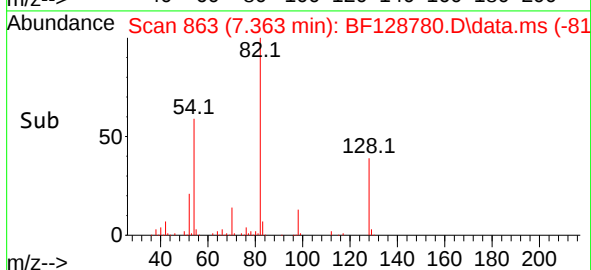
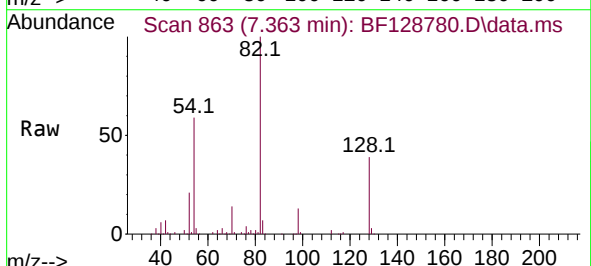
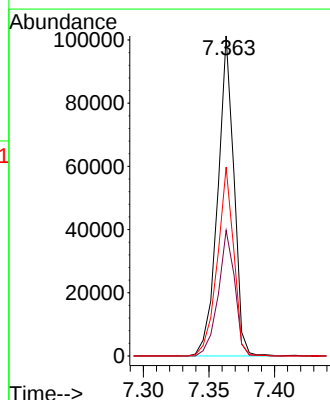
Tgt Ion: 82 Resp: 86709

Ion Ratio Lower Upper

82 100

128 39.3 34.0 51.0

54 59.0 46.9 70.3

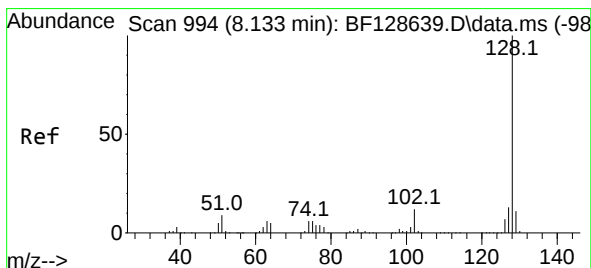
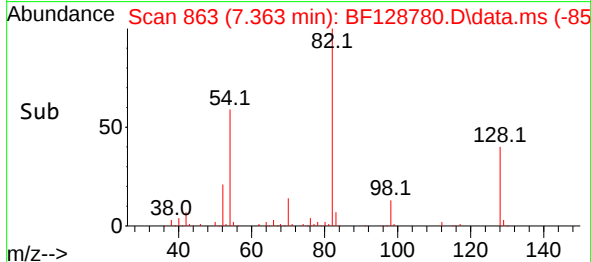
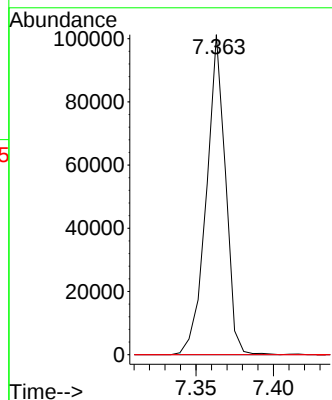
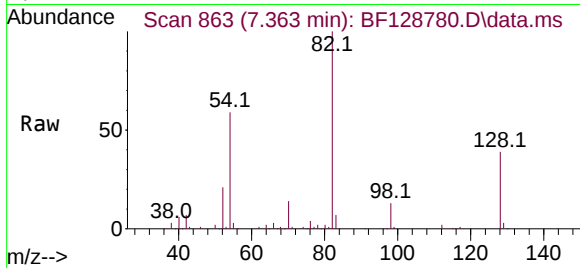




#25
Isophorone
Concen: 7.859 ng
RT: 7.363 min Scan# 80
Delta R.T. -0.277 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

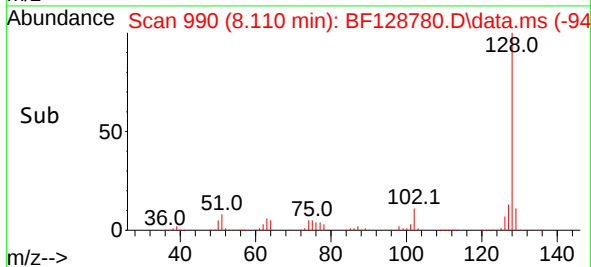
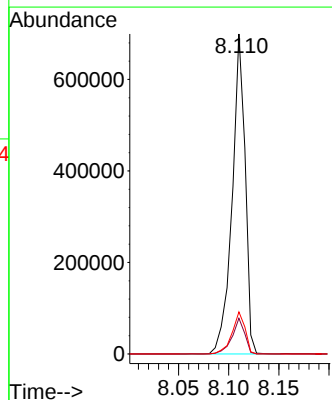
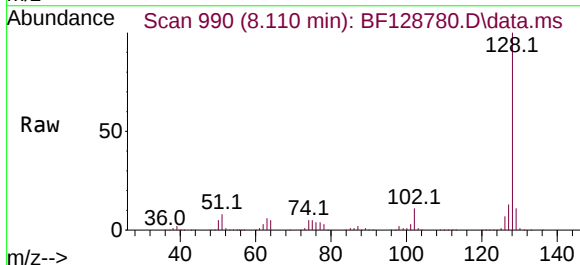
Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

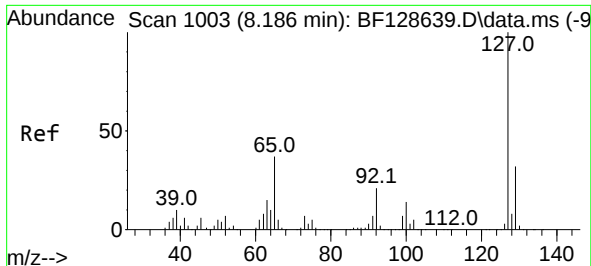
Tgt Ion: 82 Resp: 86482
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 36.327 ng
RT: 8.110 min Scan# 990
Delta R.T. -0.012 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Tgt Ion: 128 Resp: 628862
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.2 10.5 15.7





#33

4-Chloroaniline

Concen: 12.755 ng

RT: 8.110 min Scan# 91

Delta R.T. -0.065 min

Lab File: BF128780.D

Acq: 13 Jun 2022 13:11

Instrument :

BNA_F

ClientSampleId :

GATE-6-JET-GROUT-SPOILSDL

Tgt Ion:127 Resp: 83249

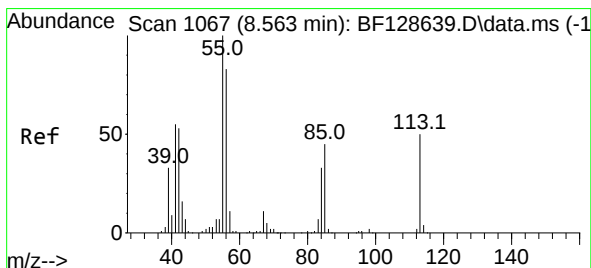
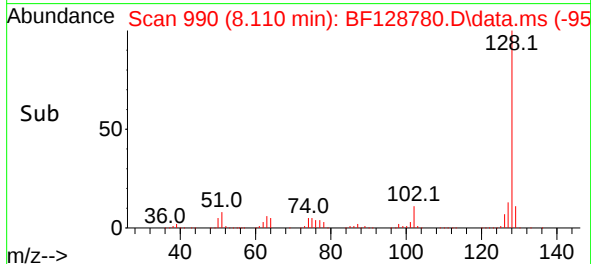
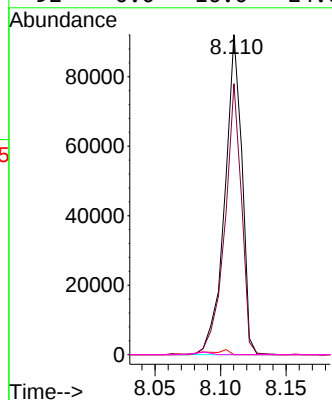
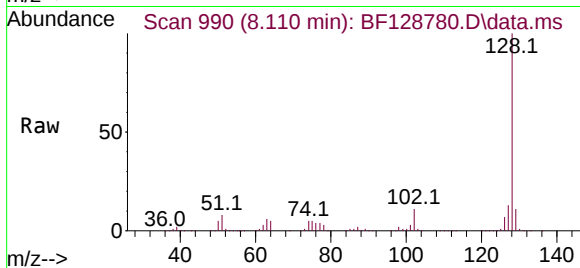
Ion Ratio Lower Upper

127 100

129 84.7 26.4 39.6#

65 0.0 26.4 39.6#

92 0.0 16.0 24.0#



#35

Caprolactam

Concen: 5.265 ng

RT: 8.798 min Scan# 1107

Delta R.T. 0.241 min

Lab File: BF128780.D

Acq: 13 Jun 2022 13:11

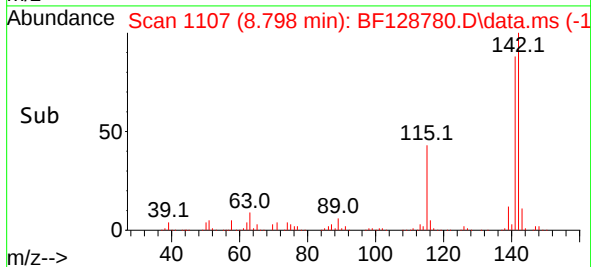
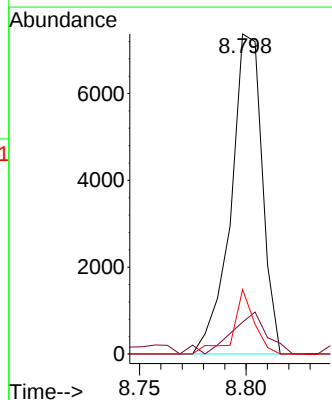
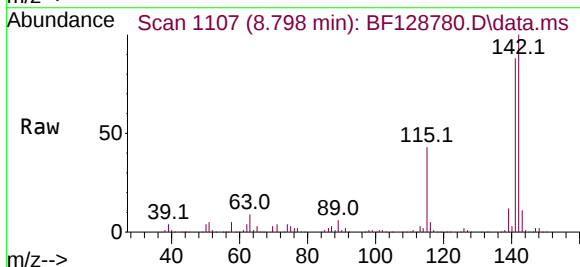
Tgt Ion:113 Resp: 7522

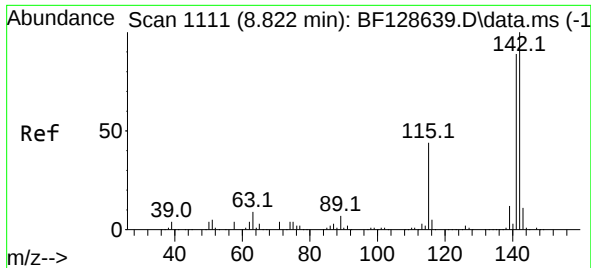
Ion Ratio Lower Upper

113 100

55 9.9 188.5 228.5#

56 20.2 130.6 170.6#

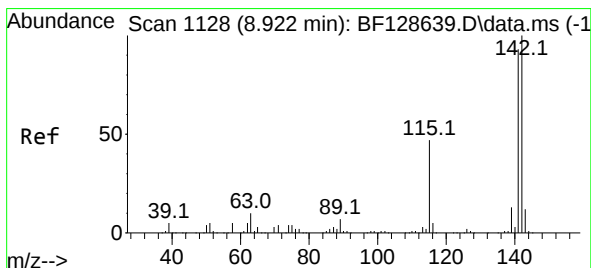
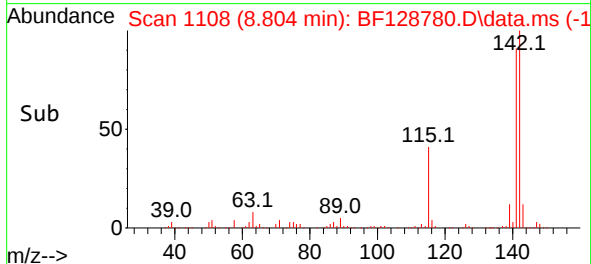
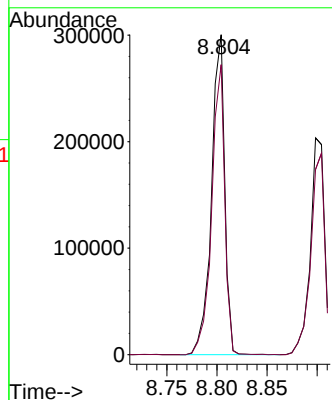
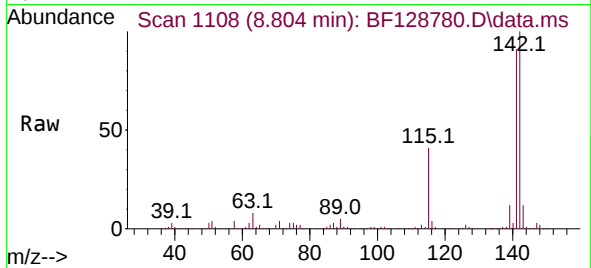




#37
2-Methylnaphthalene
Concen: 25.097 ng
RT: 8.804 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

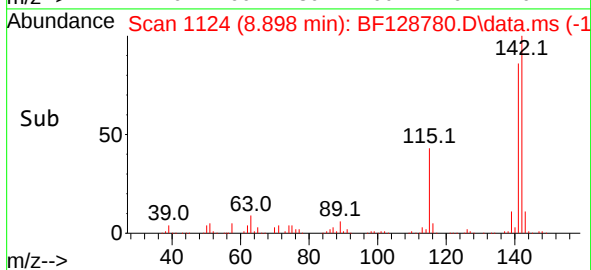
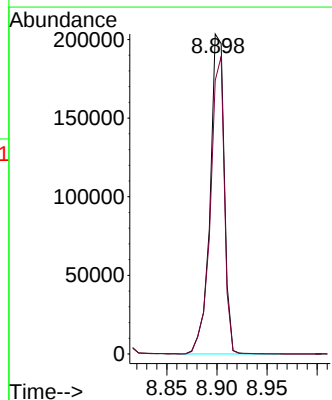
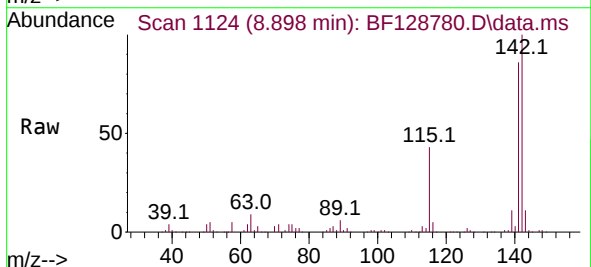
Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

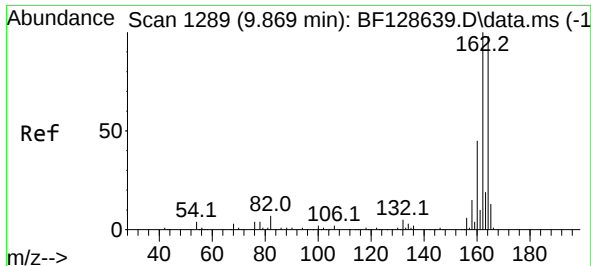
Tgt Ion:142 Resp: 276343
Ion Ratio Lower Upper
142 100
141 90.6 71.0 106.4



#38
1-Methylnaphthalene
Concen: 18.821 ng
RT: 8.898 min Scan# 1124
Delta R.T. -0.012 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Tgt Ion:142 Resp: 200229
Ion Ratio Lower Upper
142 100
141 85.5 74.2 111.4

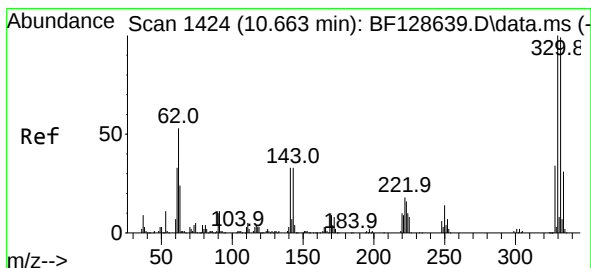
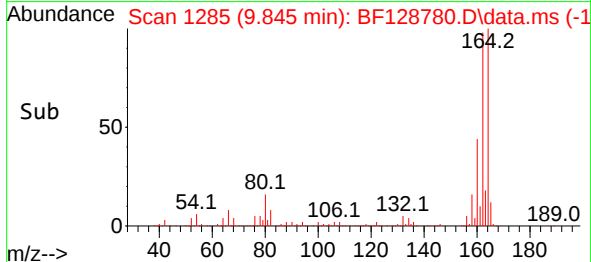
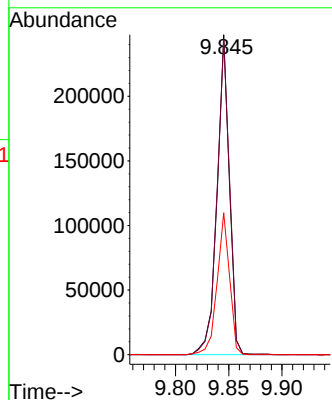
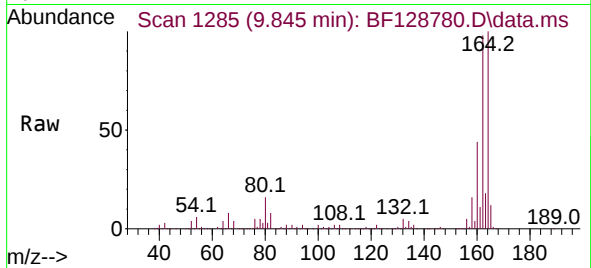




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

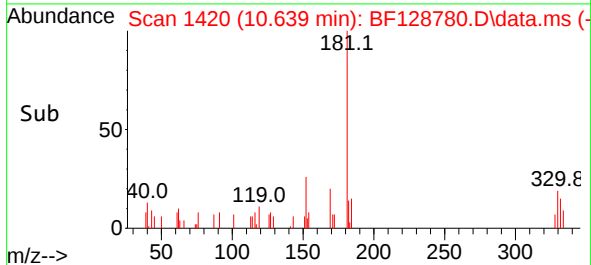
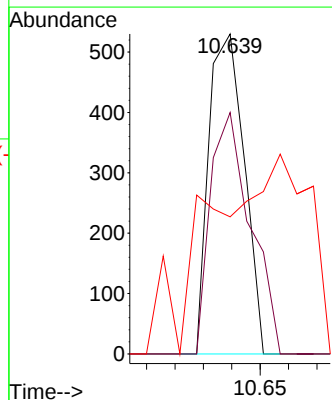
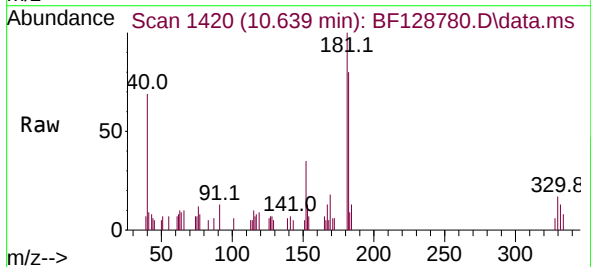
Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

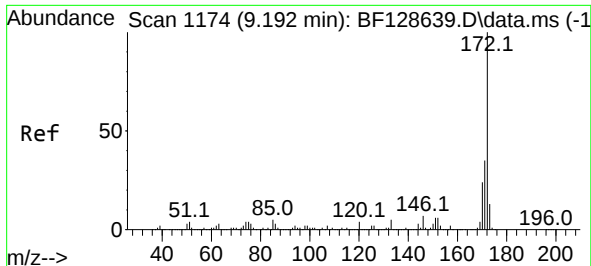
Tgt Ion:164 Resp: 198328
Ion Ratio Lower Upper
164 100
162 98.5 79.5 119.3
160 44.4 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 0.195 ng
RT: 10.639 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Tgt Ion:330 Resp: 458
Ion Ratio Lower Upper
330 100
332 85.8 76.8 115.2
141 68.8 28.0 42.0#





#45

2-Fluorobiphenyl

Concen: 13.136 ng

RT: 9.163 min Scan# 1169

Delta R.T. -0.012 min

Lab File: BF128780.D

Acq: 13 Jun 2022 13:11

Instrument :

BNA_F

ClientSampleId :

GATE-6-JET-GROUT-SPOILSDL

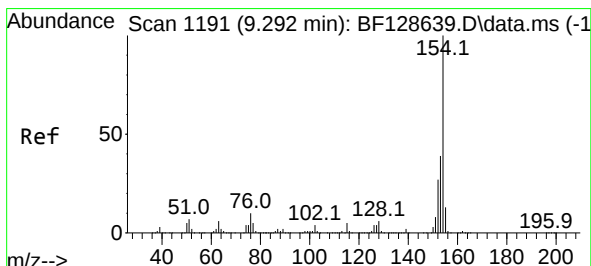
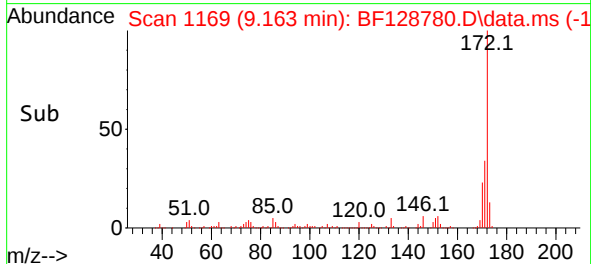
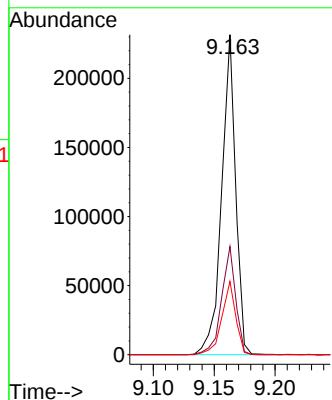
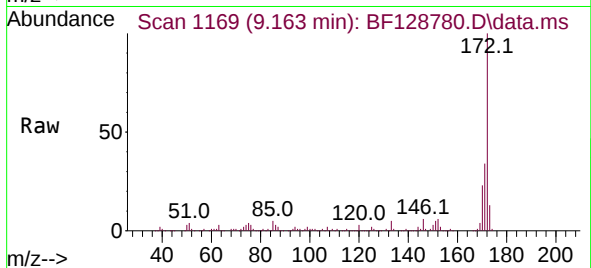
Tgt Ion:172 Resp: 185980

Ion Ratio Lower Upper

172 100

171 33.8 28.8 43.2

170 22.9 19.8 29.8



#46

1,1'-Biphenyl

Concen: 2.301 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.012 min

Lab File: BF128780.D

Acq: 13 Jun 2022 13:11

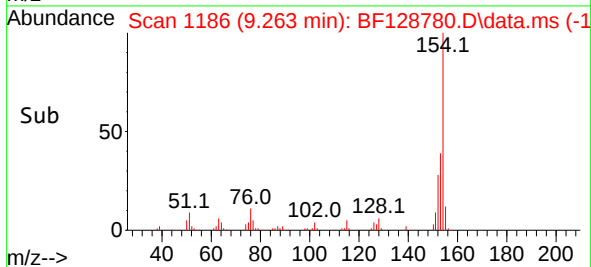
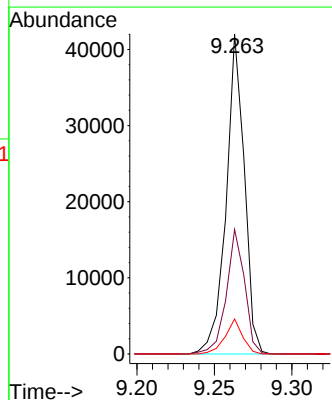
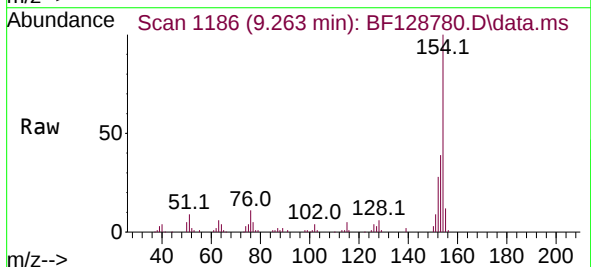
Tgt Ion:154 Resp: 34244

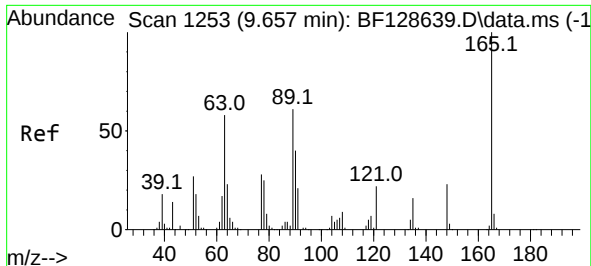
Ion Ratio Lower Upper

154 100

153 38.9 20.6 60.6

76 11.0 0.0 33.3

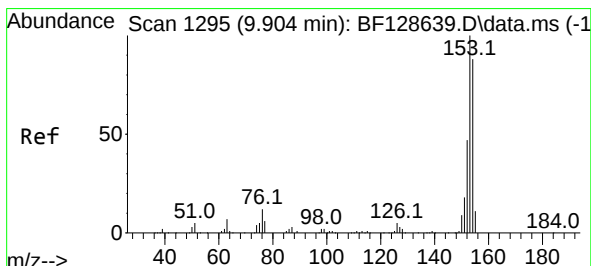
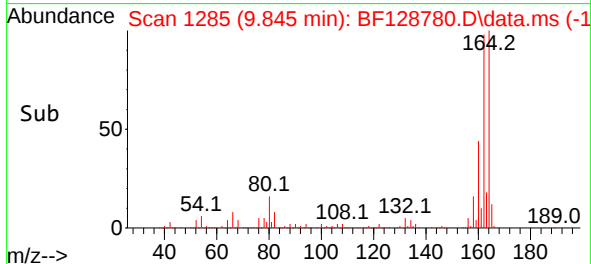
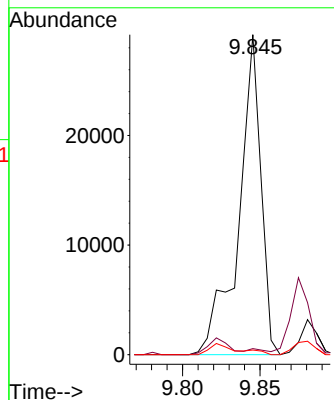
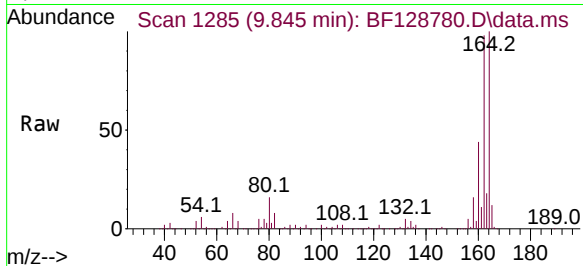




#51
2,6-Dinitrotoluene
Concen: 10.880 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

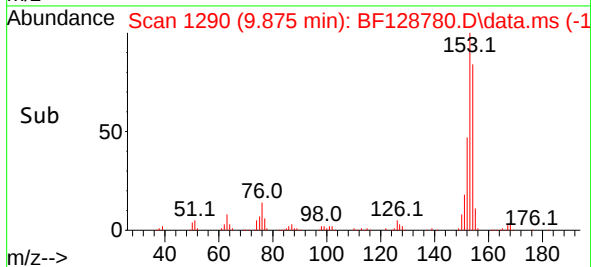
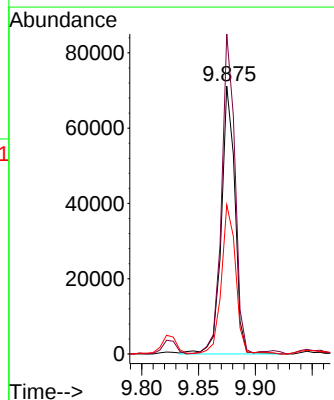
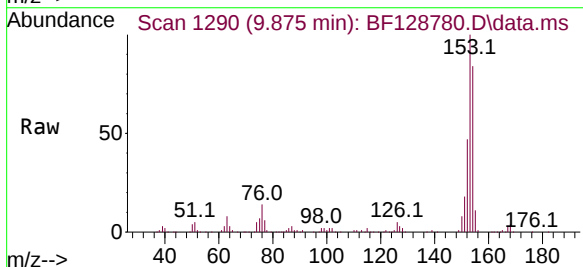
Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

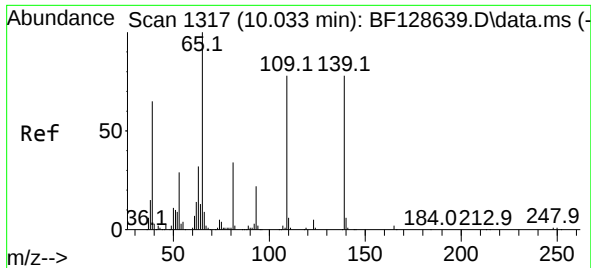
Tgt Ion:165 Resp: 29151
Ion Ratio Lower Upper
165 100
63 1.9 44.9 67.3#
89 1.4 43.6 65.4#



#52
Acenaphthene
Concen: 5.246 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.018 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Tgt Ion:154 Resp: 59384
Ion Ratio Lower Upper
154 100
153 119.4 89.6 134.4
152 55.7 42.4 63.6

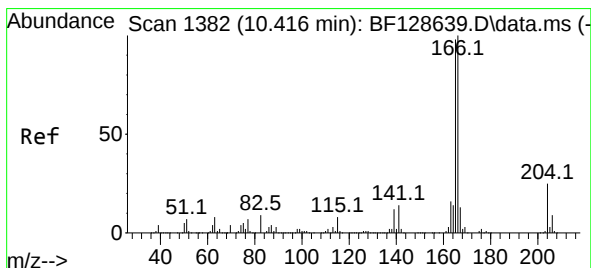
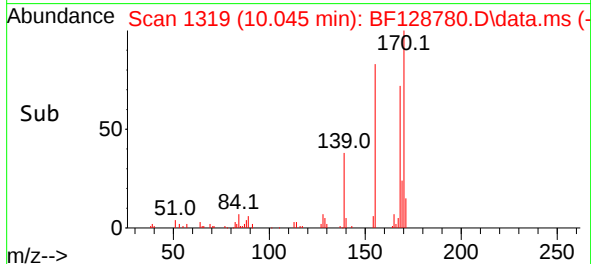
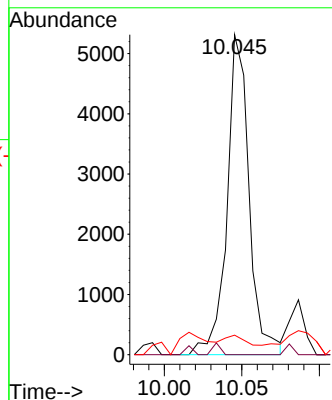
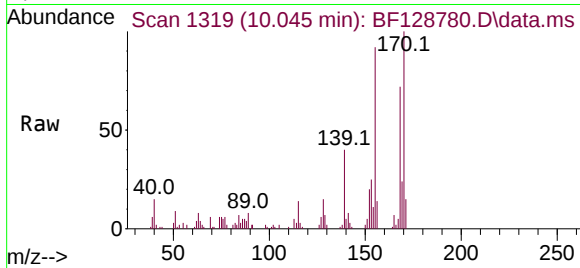




#56
4-Nitrophenol
Concen: 2.494 ng
RT: 10.045 min Scan# 1317
Delta R.T. 0.035 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

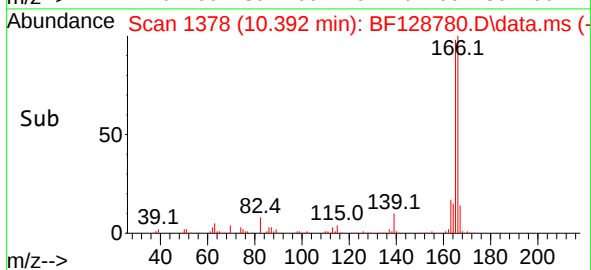
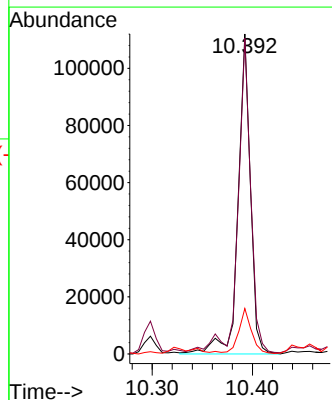
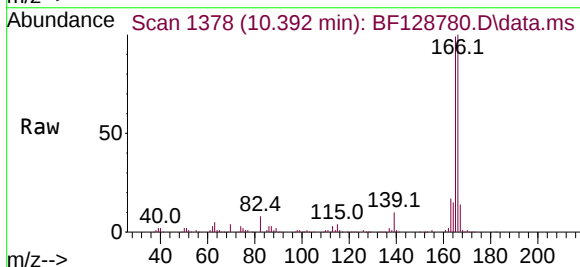
Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

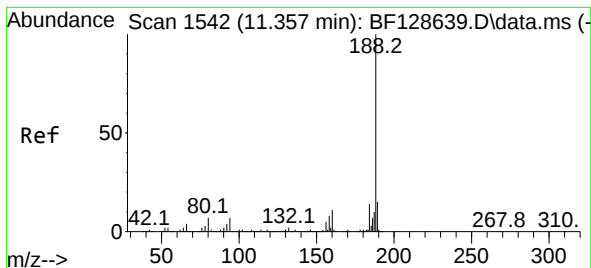
Tgt Ion:139 Resp: 5258
Ion Ratio Lower Upper
139 100
109 0.0 50.7 90.7#
65 6.1 74.5 114.5#



#58
Fluorene
Concen: 7.614 ng
RT: 10.392 min Scan# 1378
Delta R.T. -0.012 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Tgt Ion:166 Resp: 96070
Ion Ratio Lower Upper
166 100
165 98.7 78.1 117.1
167 14.2 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128780.D

Acq: 13 Jun 2022 13:11

Instrument :

BNA_F

ClientSampleId :

GATE-6-JET-GROUT-SPOILSDL

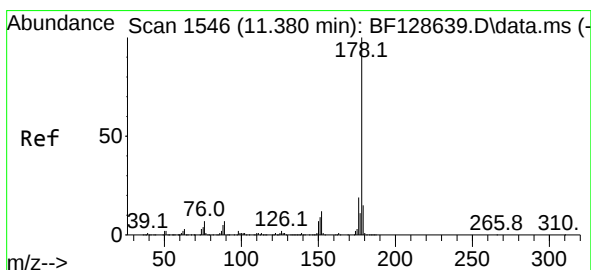
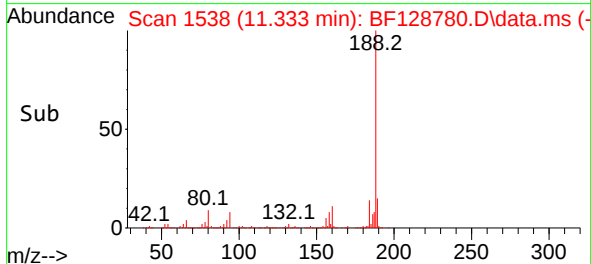
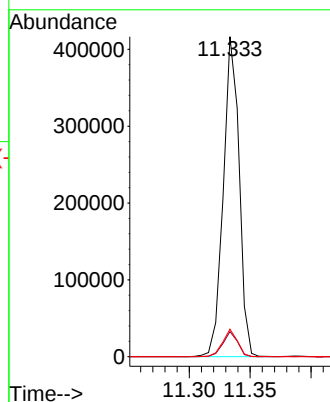
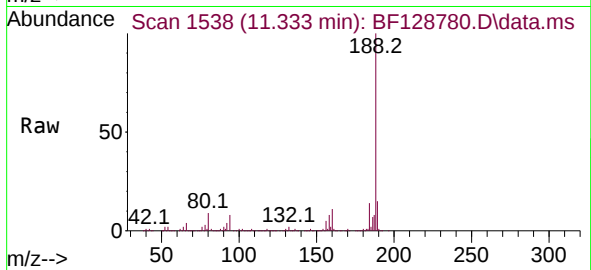
Tgt Ion:188 Resp: 377197

Ion Ratio Lower Upper

188 100

94 7.9 7.0 10.6

80 8.6 7.6 11.4



#71

Phenanthrene

Concen: 19.345 ng

RT: 11.357 min Scan# 1542

Delta R.T. -0.012 min

Lab File: BF128780.D

Acq: 13 Jun 2022 13:11

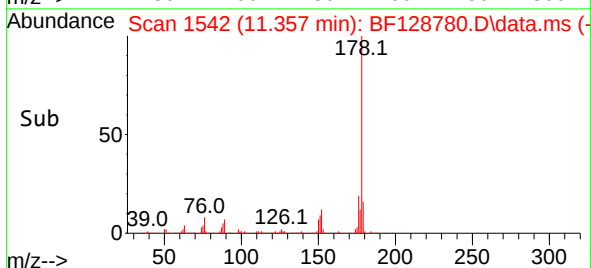
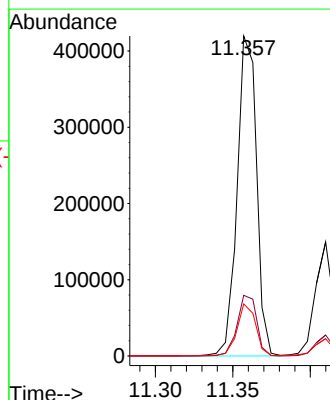
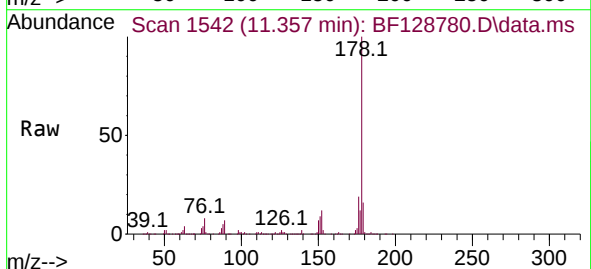
Tgt Ion:178 Resp: 366003

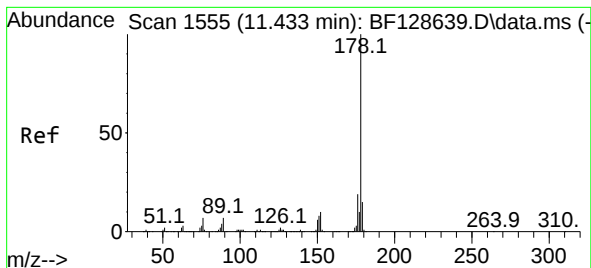
Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

179 16.2 12.6 19.0





#72

Anthracene

Concen: 6.244 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128780.D

Acq: 13 Jun 2022 13:11

Instrument :

BNA_F

ClientSampleId :

GATE-6-JET-GROUT-SPOILSDL

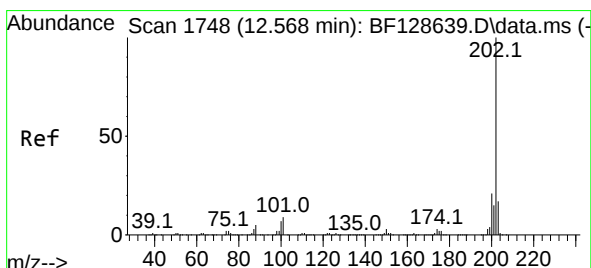
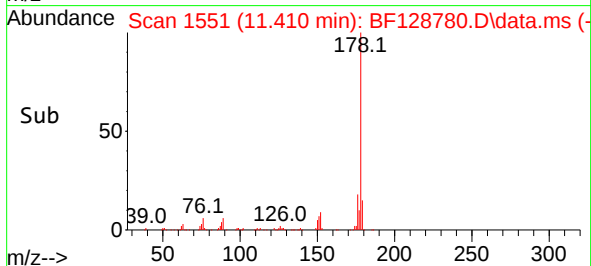
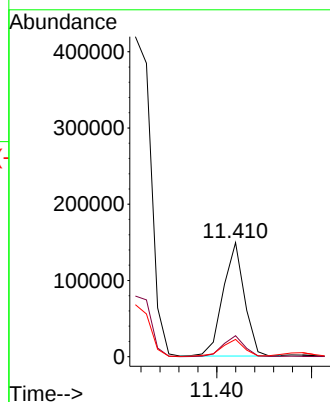
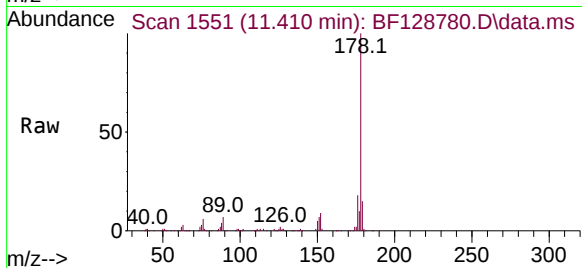
Tgt Ion:178 Resp: 116920

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

179 15.2 12.6 19.0



#75

Fluoranthene

Concen: 5.782 ng

RT: 12.551 min Scan# 1745

Delta R.T. -0.006 min

Lab File: BF128780.D

Acq: 13 Jun 2022 13:11

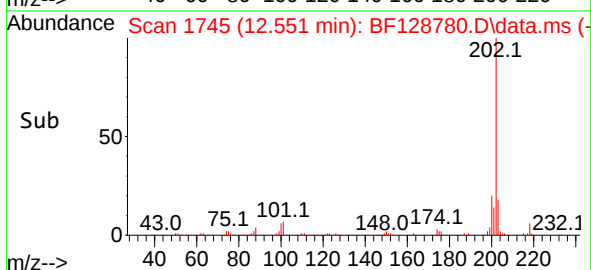
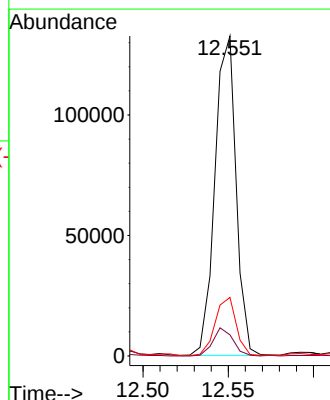
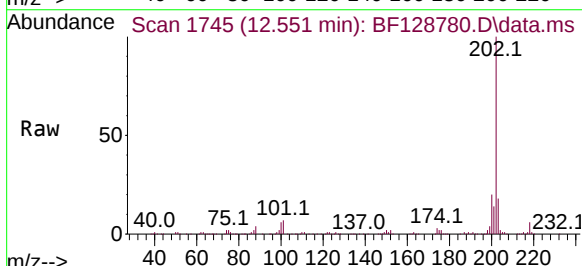
Tgt Ion:202 Resp: 114341

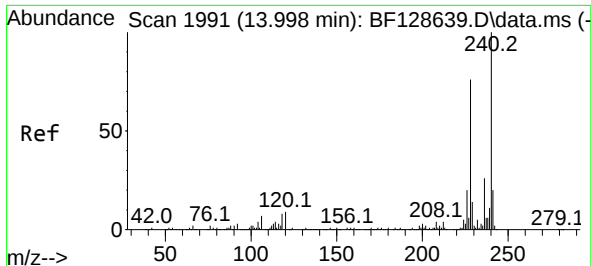
Ion Ratio Lower Upper

202 100

101 6.6 0.0 31.4

203 18.3 0.0 38.0

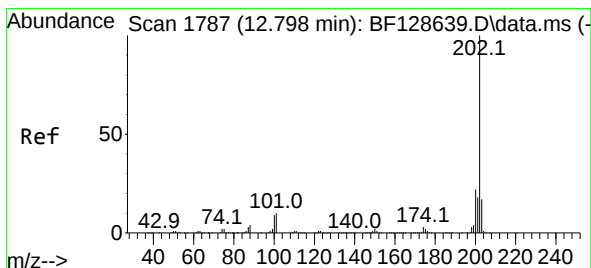
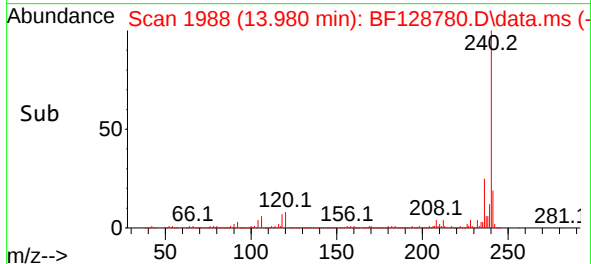
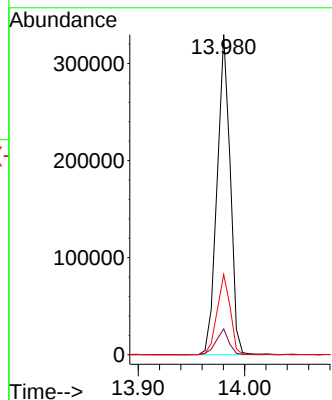
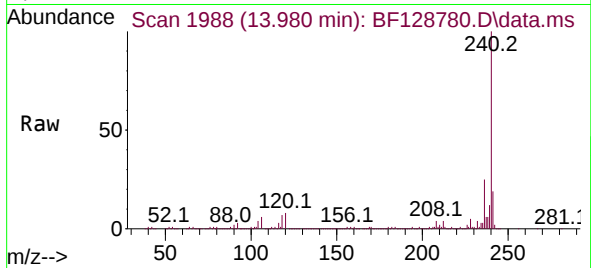




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

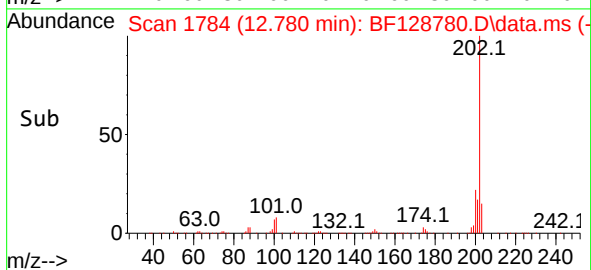
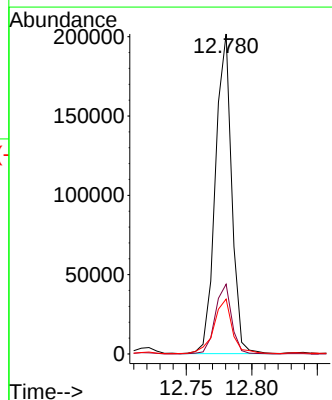
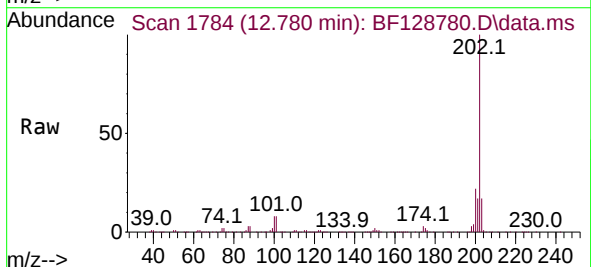
Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

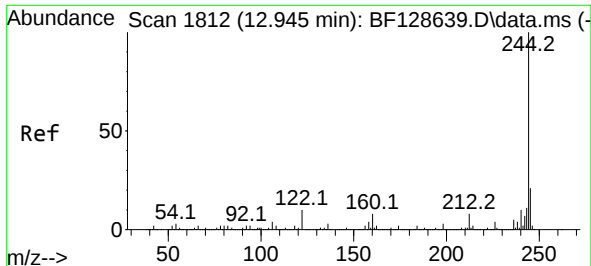
Tgt Ion:240 Resp: 282256
Ion Ratio Lower Upper
240 100
120 8.0 8.9 13.3#
236 25.0 20.8 31.2



#78
Pyrene
Concen: 8.272 ng
RT: 12.780 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

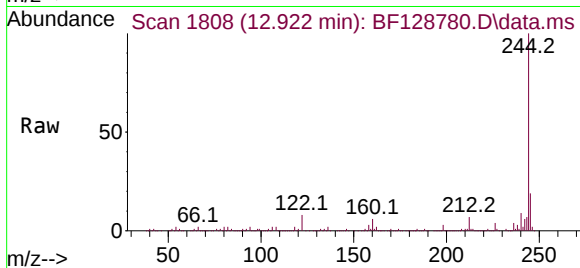
Tgt Ion:202 Resp: 173712
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 17.2 14.6 21.8



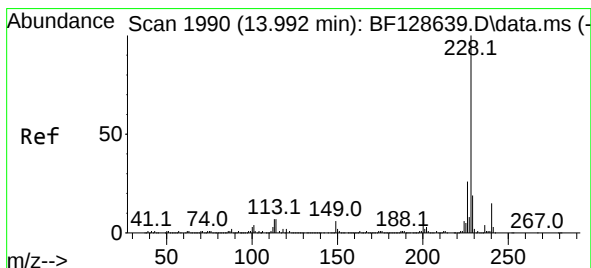
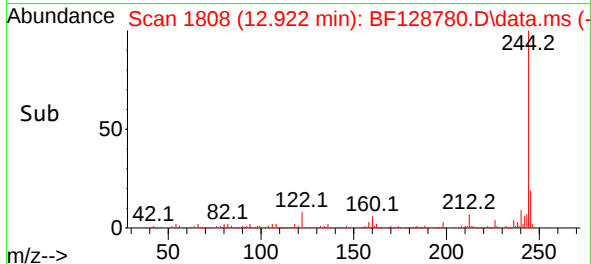
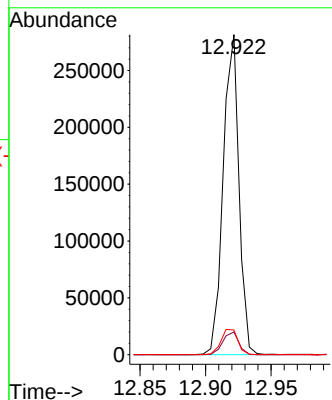


#79
 Terphenyl-d14
 Concen: 14.426 ng
 RT: 12.922 min Scan# 1808
 Delta R.T. -0.012 min
 Lab File: BF128780.D
 Acq: 13 Jun 2022 13:11

Instrument :
 BNA_F
 ClientSampleId :
 GATE-6-JET-GROUT-SPOILSDL

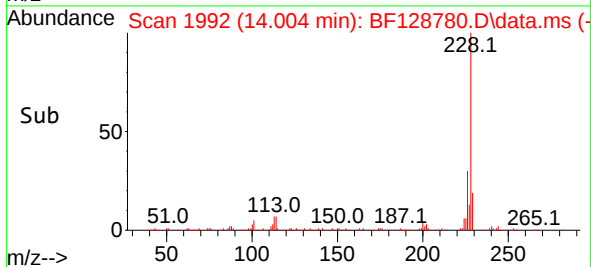
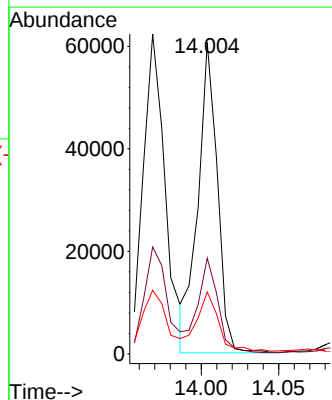
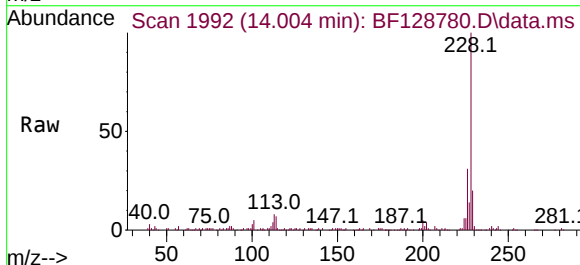


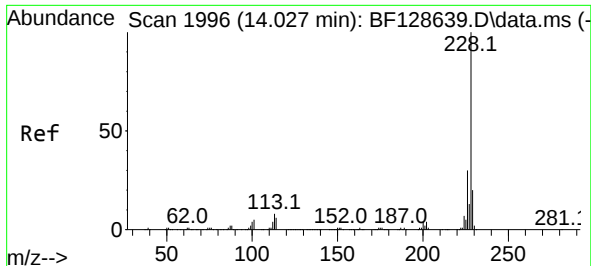
Tgt Ion:244 Resp: 234338
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 7.7 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 3.001 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. 0.029 min
 Lab File: BF128780.D
 Acq: 13 Jun 2022 13:11

Tgt Ion:228 Resp: 52803
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.1 33.1
 229 20.0 15.8 23.8

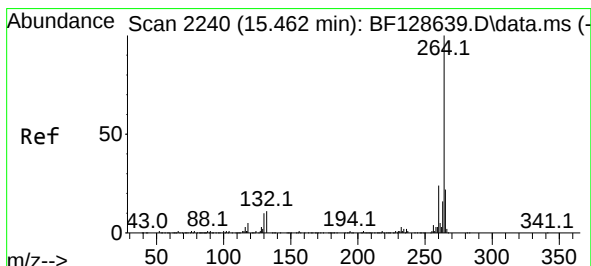
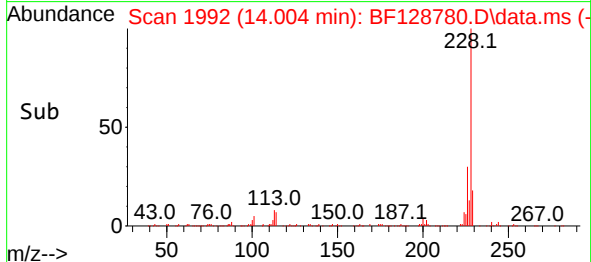
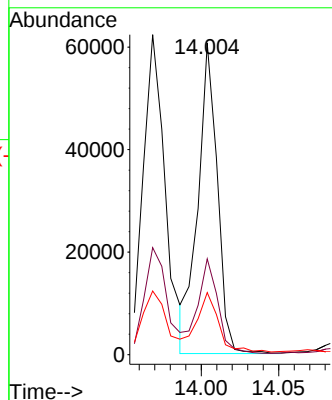
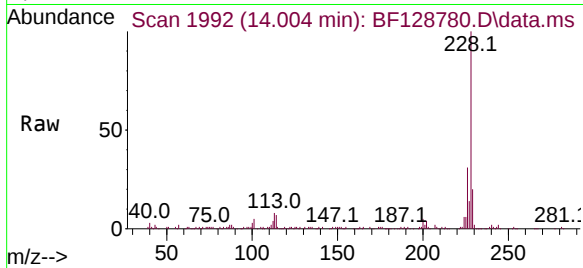




#83
Chrysene
Concen: 3.148 ng
RT: 14.004 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

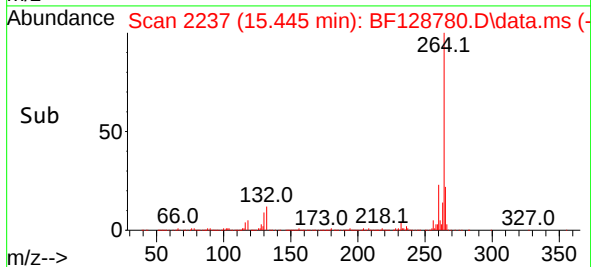
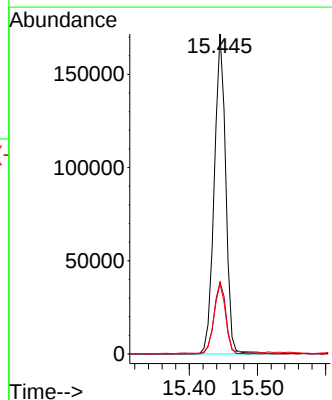
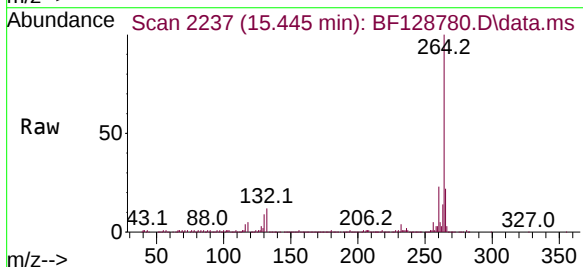
Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

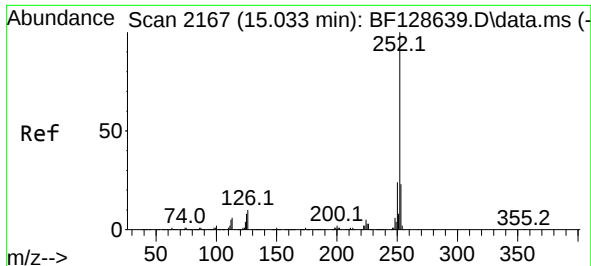
Tgt Ion:228	Resp:	52803
Ion Ratio	Lower	Upper
228	100	
226	30.8	24.3 36.5
229	20.0	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2237
Delta R.T. -0.000 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Tgt Ion:264	Resp:	200271
Ion Ratio	Lower	Upper
264	100	
260	22.5	18.4 27.6
265	21.9	17.2 25.8

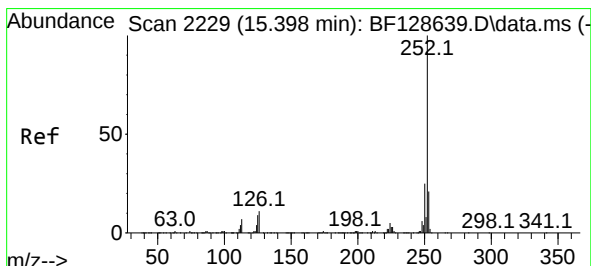
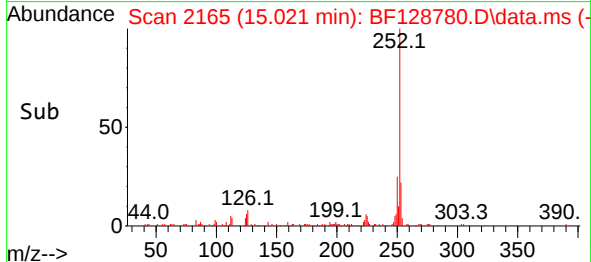
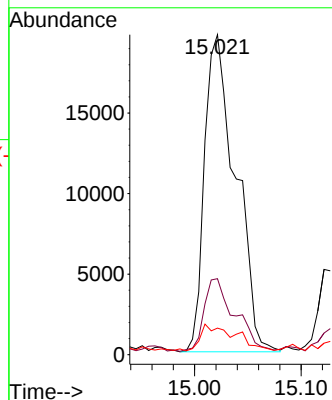
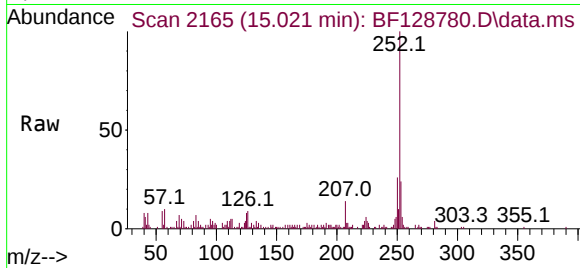




#88
Benzo(b)fluoranthene
Concen: 3.135 ng
RT: 15.021 min Scan# 2165
Delta R.T. -0.000 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Instrument :
BNA_F
ClientSampleId :
GATE-6-JET-GROUT-SPOILSDL

Tgt Ion:252 Resp: 40121
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 8.3 8.0 12.0



#90
Benzo(a)pyrene
Concen: 2.779 ng
RT: 15.380 min Scan# 2226
Delta R.T. -0.006 min
Lab File: BF128780.D
Acq: 13 Jun 2022 13:11

Tgt Ion:252 Resp: 27956
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 9.6 8.8 13.2

