

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062022\
 Data File : BF128878.D
 Acq On : 20 Jun 2022 15:54
 Operator : CG\JU
 Sample : N3373-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-13E

Quant Time: Jun 21 01:15:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 21 00:40:09 2022
 Response via : Initial Calibration

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

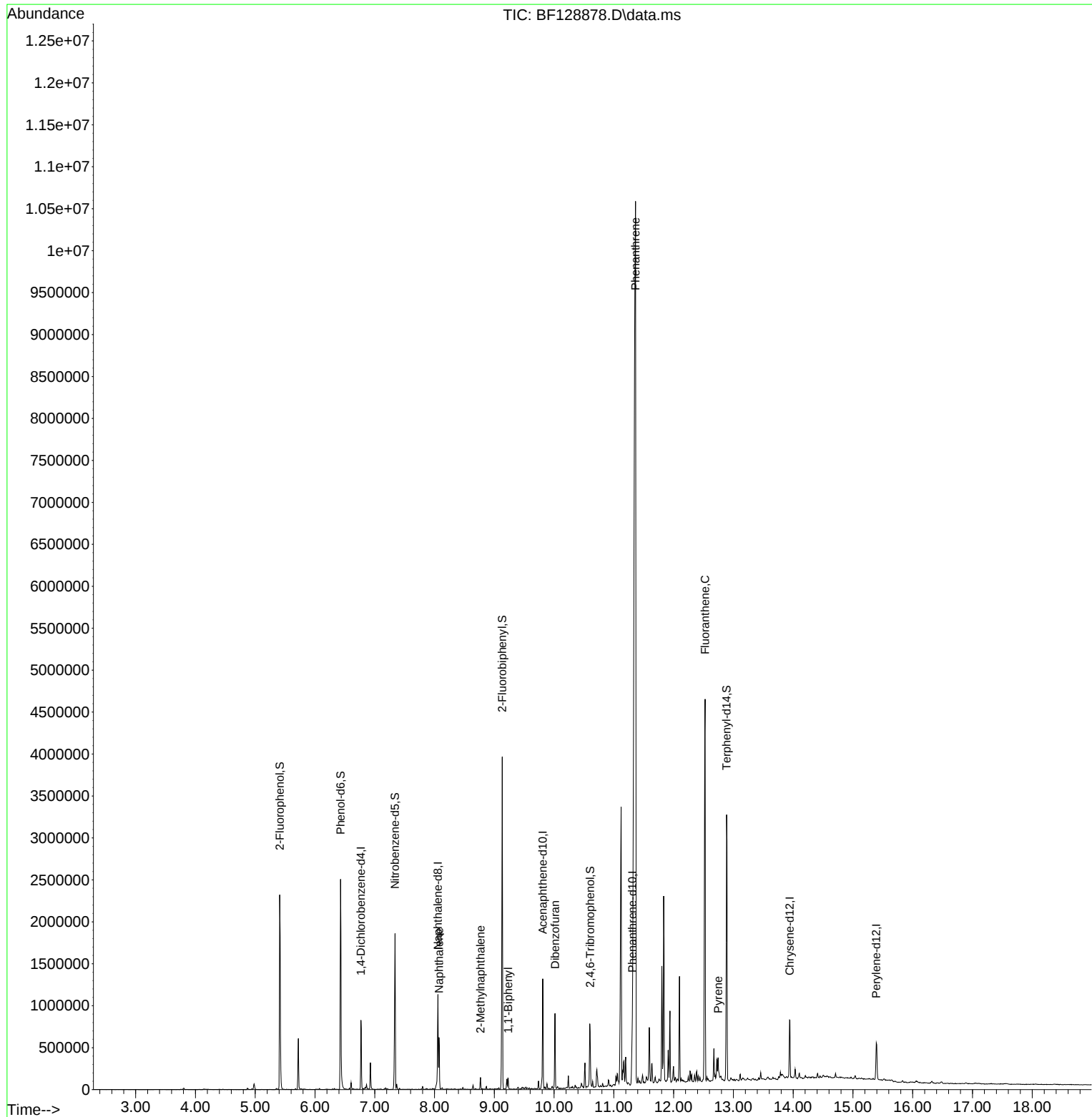
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	111323	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	432212	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	242847	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	420254	20.000	ng	0.00
76) Chrysene-d12	13.945	240	249738	20.000	ng	# 0.00
86) Perylene-d12	15.392	264	207462	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	544584	77.920	ng	0.00
7) Phenol-d6	6.428	99	772212	90.515	ng	-0.01
23) Nitrobenzene-d5	7.339	82	572935	61.718	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	53355	18.595	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	1129357	65.144	ng	0.00
79) Terphenyl-d14	12.886	244	1127950	78.481	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.075	128	243161	10.962	ng	99
37) 2-Methylnaphthalene	8.769	142	32024	2.270	ng	99
46) 1,1'-Biphenyl	9.233	154	40241	2.208	ng	96
55) Dibenzofuran	10.016	168	292229	14.669	ng	94
71) Phenanthrene	11.363	178	8775346	416.306	ng	93
75) Fluoranthene	12.527	202	2072167	94.044	ng	98
78) Pyrene	12.745	202	110039	5.922	ng	97

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

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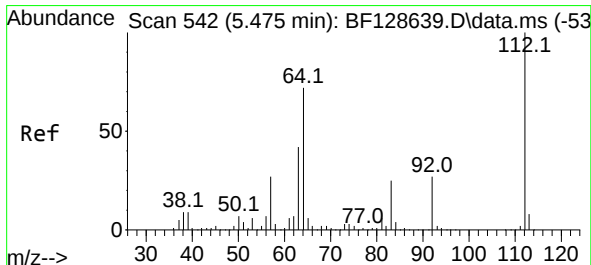
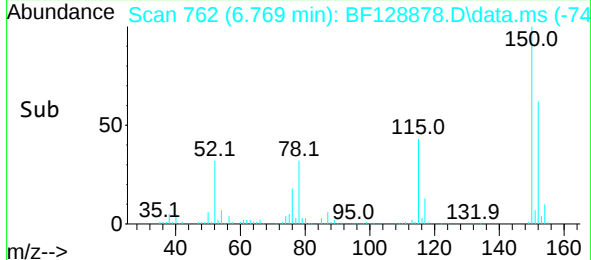
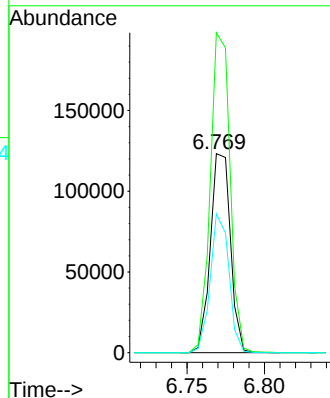
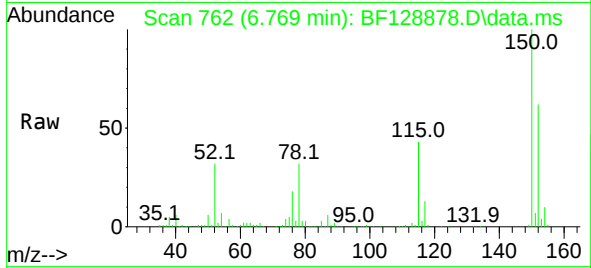




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF128878.D
Acq: 20 Jun 2022 15:54

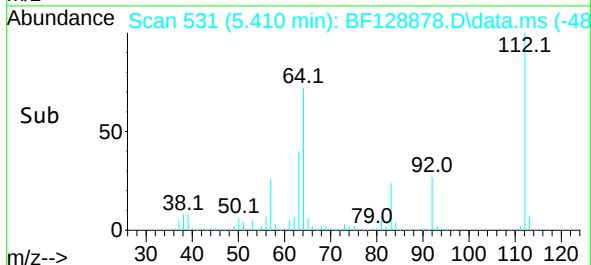
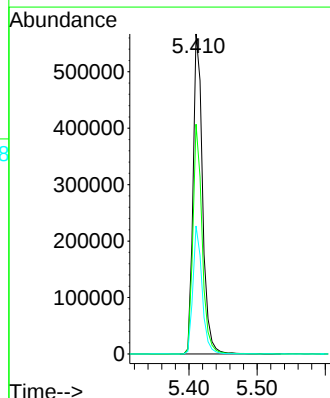
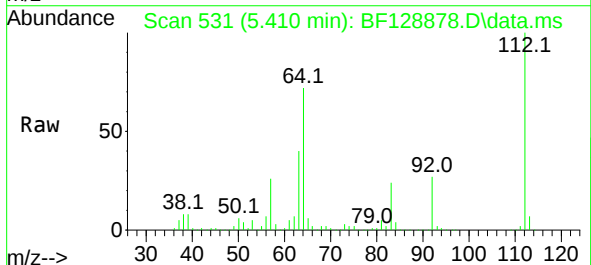
Instrument :
BNA_F
ClientSampleId :
SC-13E

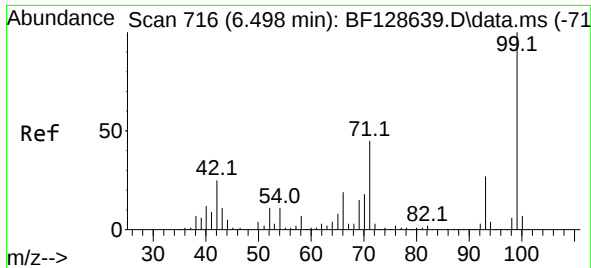
Tgt Ion:152 Resp: 111323
Ion Ratio Lower Upper
152 100
150 160.8 123.7 185.5
115 69.8 49.9 74.9



#5
2-Fluorophenol
Concen: 77.920 ng
RT: 5.410 min Scan# 531
Delta R.T. -0.000 min
Lab File: BF128878.D
Acq: 20 Jun 2022 15:54

Tgt Ion:112 Resp: 544584
Ion Ratio Lower Upper
112 100
64 71.8 53.3 79.9
63 40.0 28.0 42.0

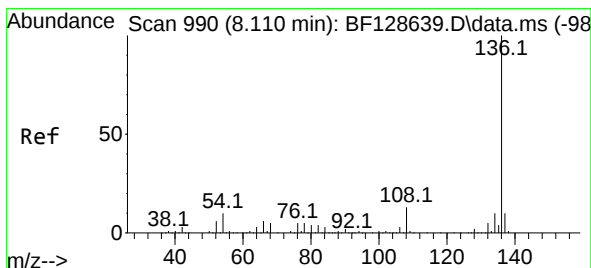
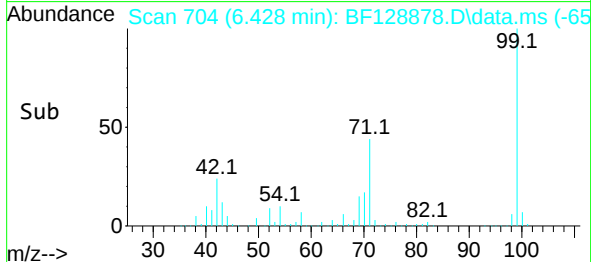
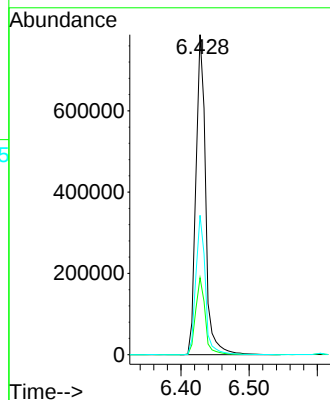
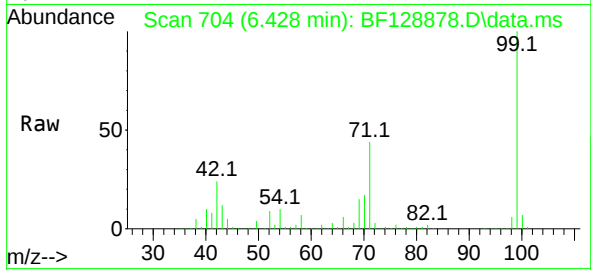




#7
Phenol-d6
Concen: 90.515 ng
RT: 6.428 min Scan# 704
Delta R.T. -0.012 min
Lab File: BF128878.D
Acq: 20 Jun 2022 15:54

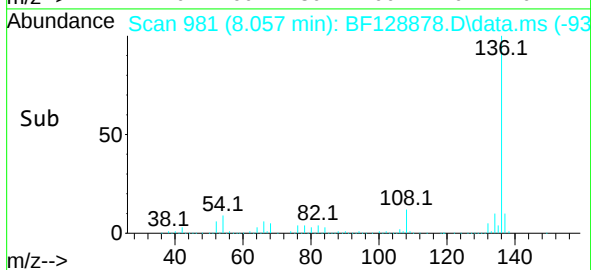
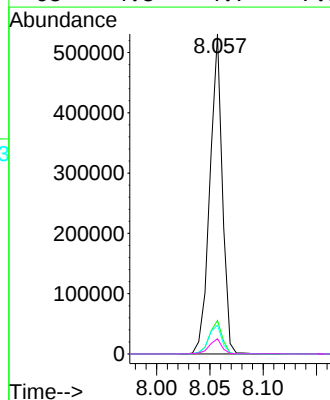
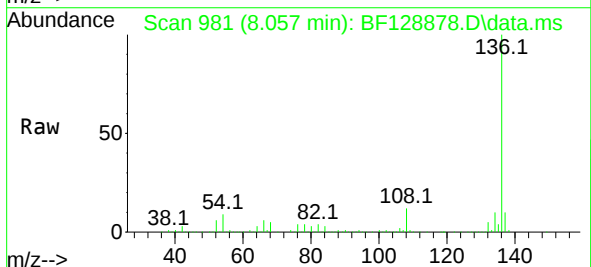
Instrument :
BNA_F
ClientSampleId :
SC-13E

Tgt Ion: 99 Resp: 772212
Ion Ratio Lower Upper
99 100
42 24.1 17.3 25.9
71 43.5 28.9 43.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF128878.D
Acq: 20 Jun 2022 15:54

Tgt Ion: 136 Resp: 432212
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 9.0 7.5 11.3
68 4.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 61.718 ng

RT: 7.339 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128878.D

Acq: 20 Jun 2022 15:54

Instrument :

BNA_F

ClientSampleId :

SC-13E

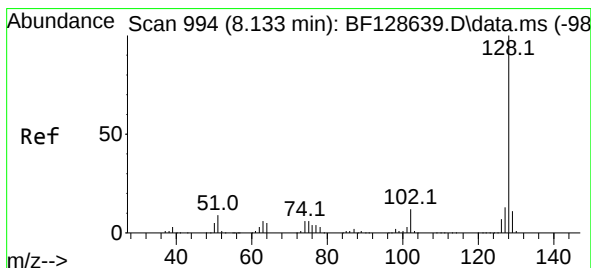
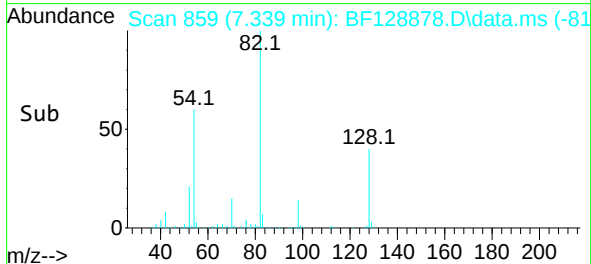
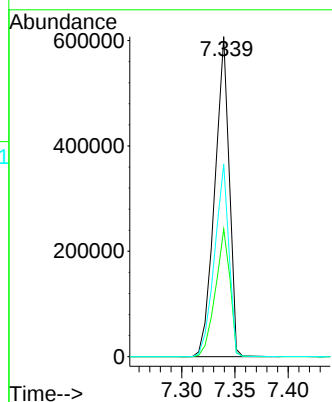
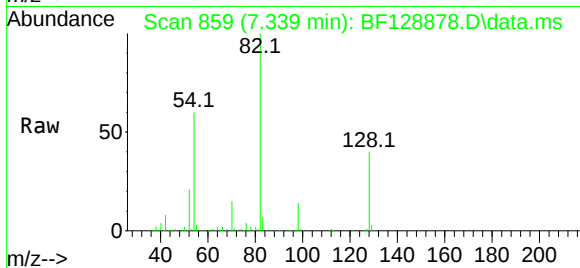
Tgt Ion: 82 Resp: 572935

Ion Ratio Lower Upper

82 100

128 39.9 34.0 51.0

54 60.3 46.9 70.3



#31

Naphthalene

Concen: 10.962 ng

RT: 8.075 min Scan# 984

Delta R.T. -0.012 min

Lab File: BF128878.D

Acq: 20 Jun 2022 15:54

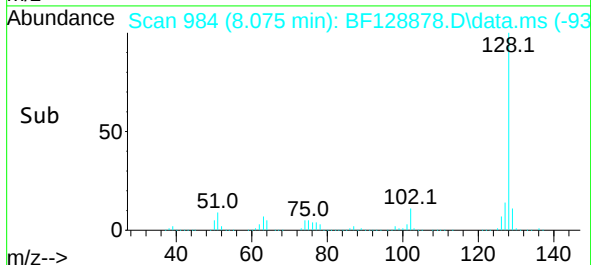
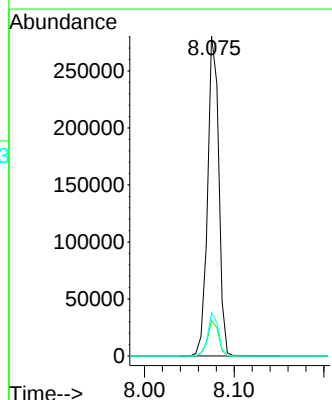
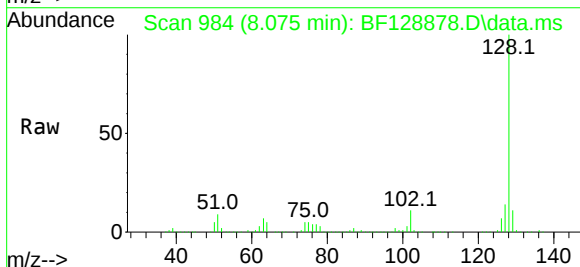
Tgt Ion:128 Resp: 243161

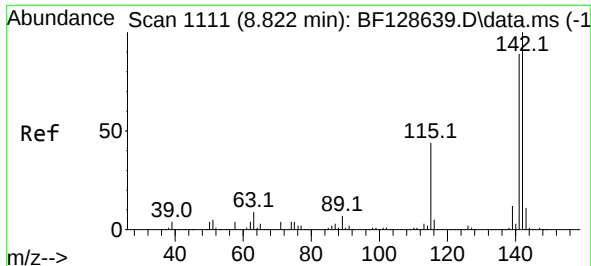
Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

127 13.6 10.5 15.7





#37

2-Methylnaphthalene

Concen: 2.270 ng

RT: 8.769 min Scan# 1111

Delta R.T. -0.006 min

Lab File: BF128878.D

Acq: 20 Jun 2022 15:54

Instrument :

BNA_F

ClientSampleId :

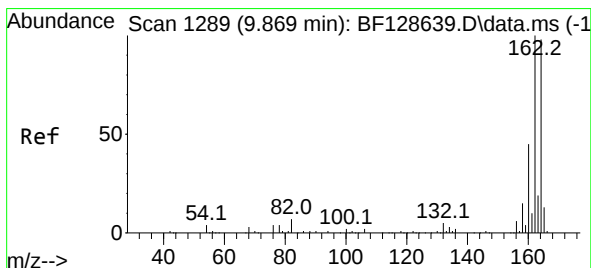
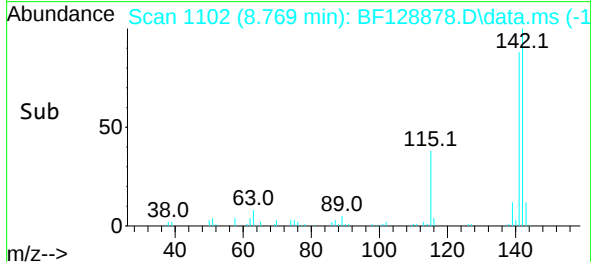
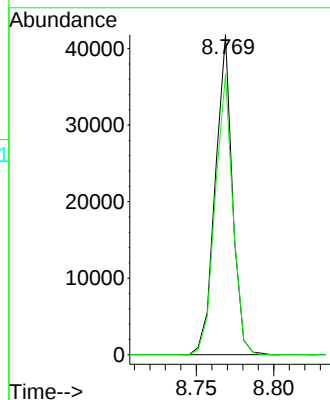
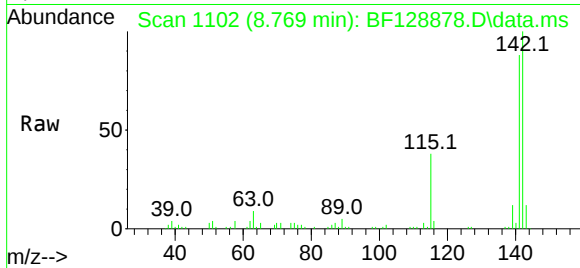
SC-13E

Tgt Ion:142 Resp: 32024

Ion Ratio Lower Upper

142 100

141 87.6 71.0 106.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1279

Delta R.T. -0.006 min

Lab File: BF128878.D

Acq: 20 Jun 2022 15:54

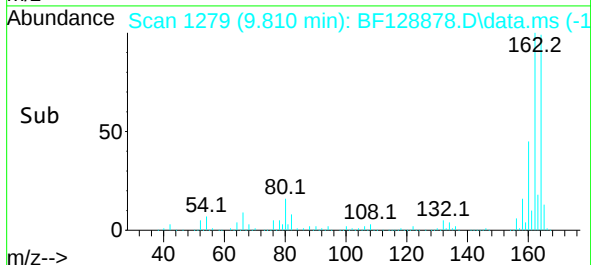
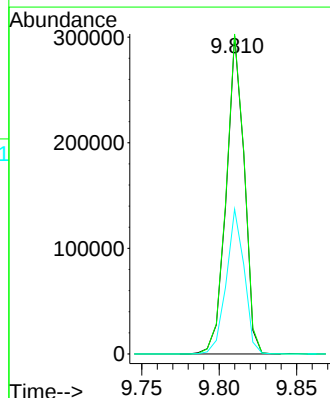
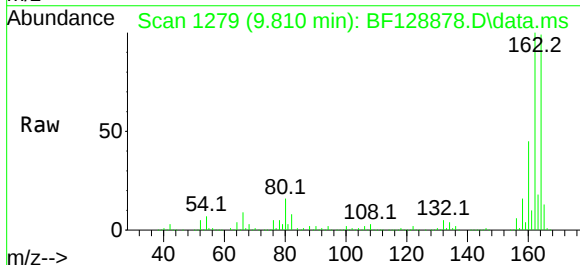
Tgt Ion:164 Resp: 242847

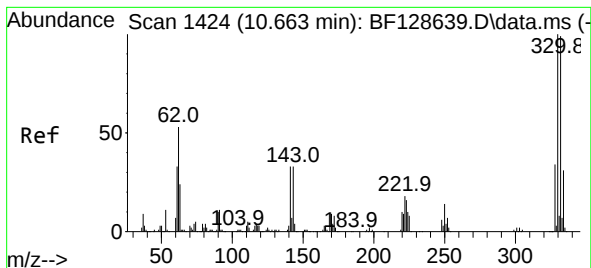
Ion Ratio Lower Upper

164 100

162 100.6 79.5 119.3

160 45.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 18.595 ng

RT: 10.604 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF128878.D

Acq: 20 Jun 2022 15:54

Instrument :

BNA_F

ClientSampleId :

SC-13E

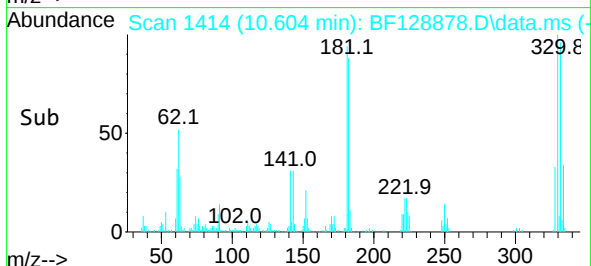
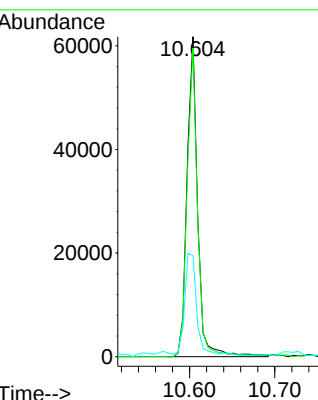
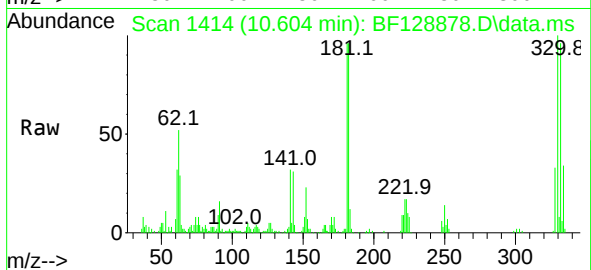
Tgt Ion:330 Resp: 53355

Ion Ratio Lower Upper

330 100

332 94.8 76.8 115.2

141 36.9 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 65.144 ng

RT: 9.133 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF128878.D

Acq: 20 Jun 2022 15:54

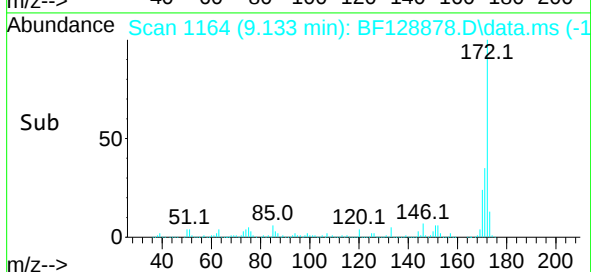
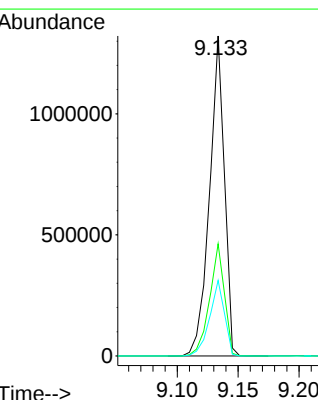
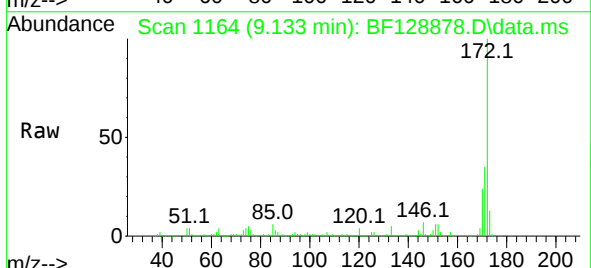
Tgt Ion:172 Resp: 1129357

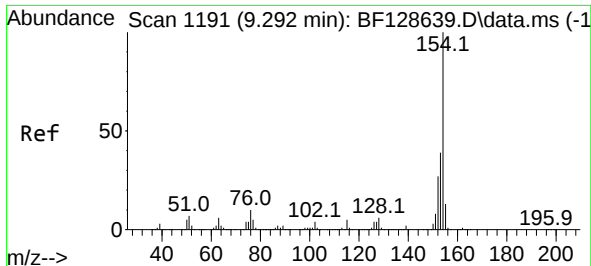
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.6 19.8 29.8

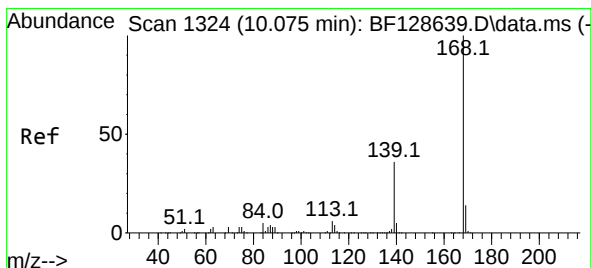
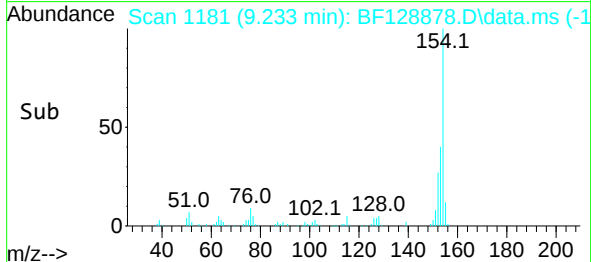
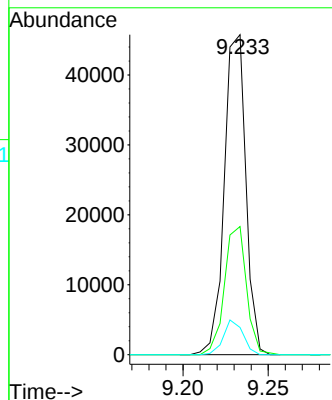
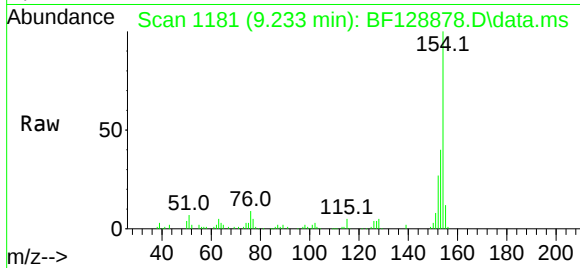




#46
1,1'-Biphenyl
Concen: 2.208 ng
RT: 9.233 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF128878.D
Acq: 20 Jun 2022 15:54

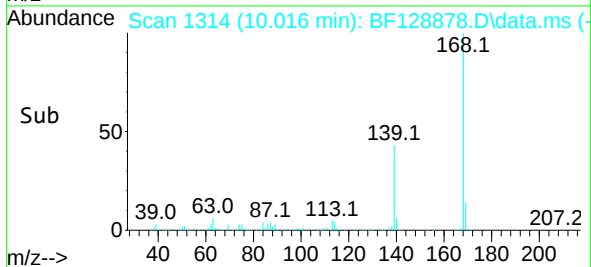
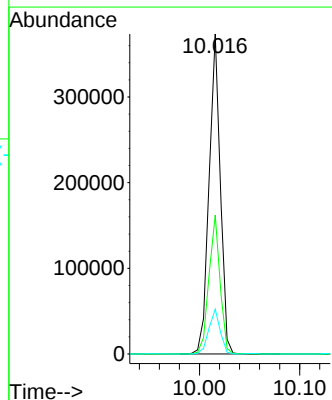
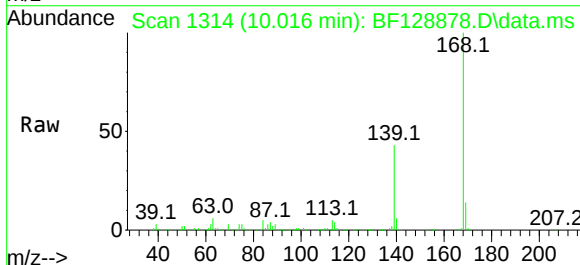
Instrument :
BNA_F
ClientSampleId :
SC-13E

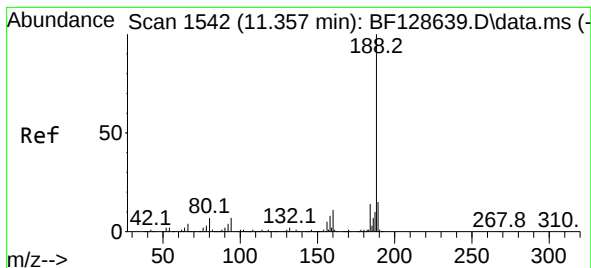
Tgt Ion:154 Resp: 40241
Ion Ratio Lower Upper
154 100
153 40.1 20.6 60.6
76 8.5 0.0 33.3



#55
Dibenzofuran
Concen: 14.669 ng
RT: 10.016 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF128878.D
Acq: 20 Jun 2022 15:54

Tgt Ion:168 Resp: 292229
Ion Ratio Lower Upper
168 100
139 43.4 30.6 46.0
169 14.0 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF128878.D

Acq: 20 Jun 2022 15:54

Instrument :

BNA_F

ClientSampleId :

SC-13E

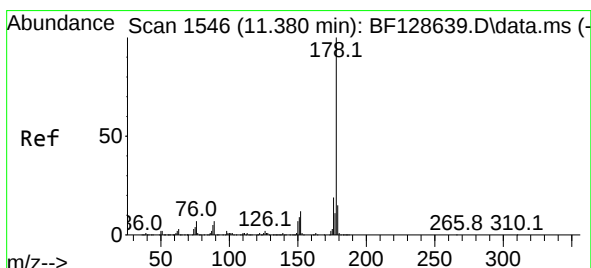
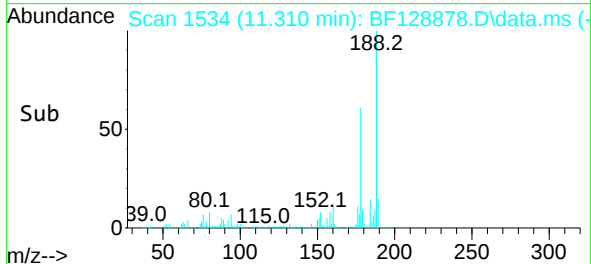
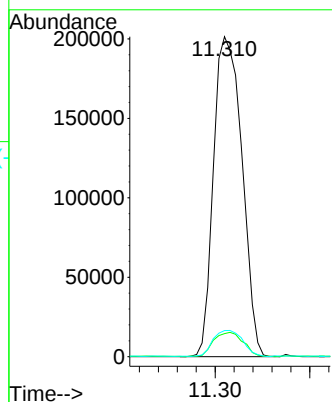
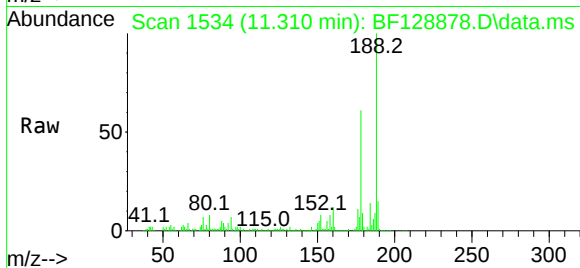
Tgt Ion:188 Resp: 420254

Ion Ratio Lower Upper

188 100

94 7.2 7.0 10.6

80 8.2 7.6 11.4



#71

Phenanthrene

Concen: 416.306 ng

RT: 11.363 min Scan# 1543

Delta R.T. 0.029 min

Lab File: BF128878.D

Acq: 20 Jun 2022 15:54

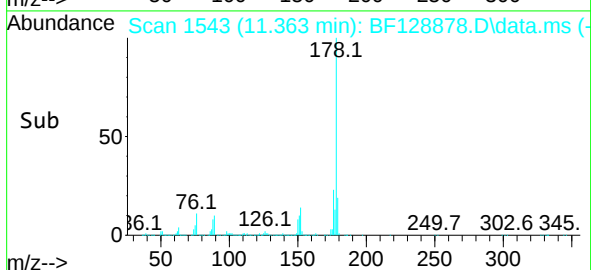
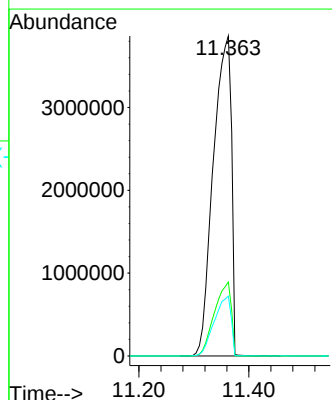
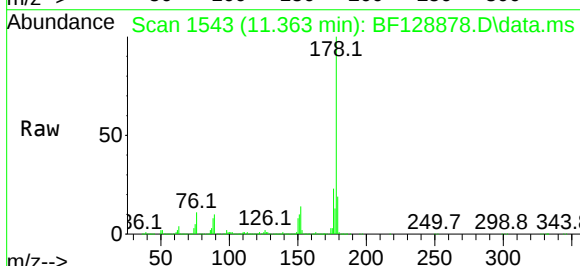
Tgt Ion:178 Resp: 8775346

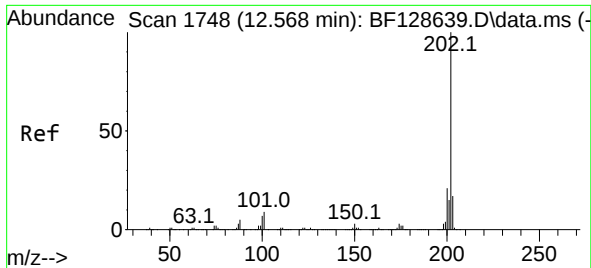
Ion Ratio Lower Upper

178 100

176 23.1 16.0 24.0

179 18.7 12.6 19.0

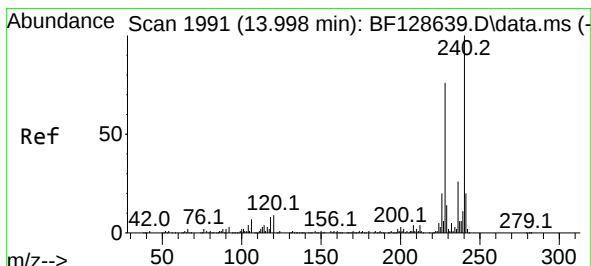
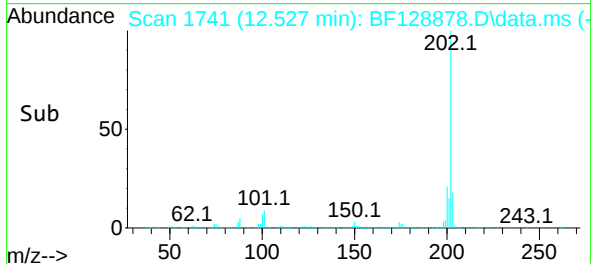
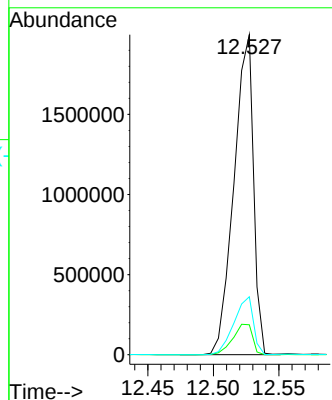
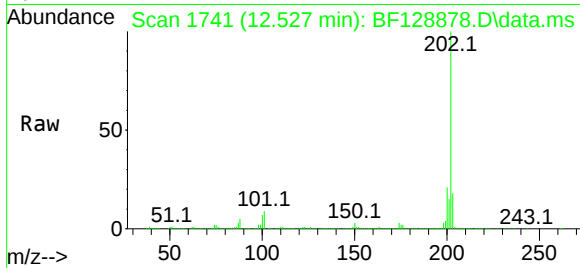




#75
Fluoranthene
Concen: 94.044 ng
RT: 12.527 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF128878.D
Acq: 20 Jun 2022 15:54

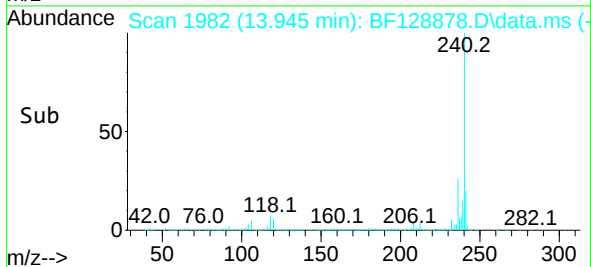
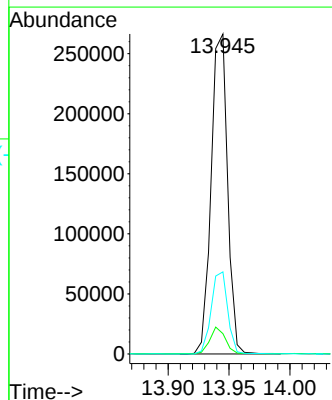
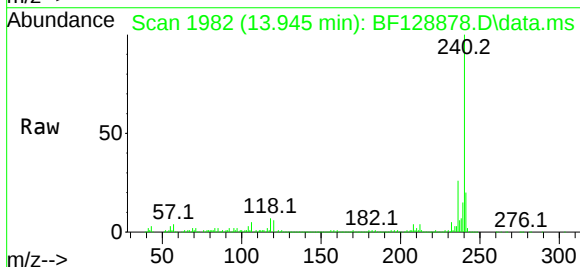
Instrument :
BNA_F
ClientSampleId :
SC-13E

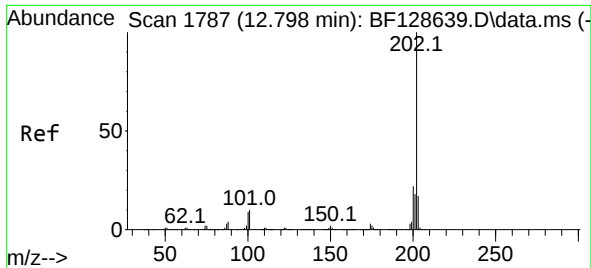
Tgt Ion:202 Resp: 2072167
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.4
203 18.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF128878.D
Acq: 20 Jun 2022 15:54

Tgt Ion:240 Resp: 249738
Ion Ratio Lower Upper
240 100
120 6.4 8.9 13.3#
236 25.6 20.8 31.2

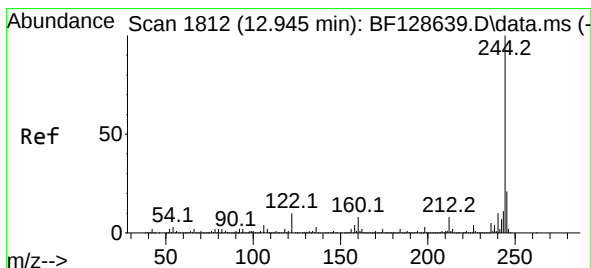
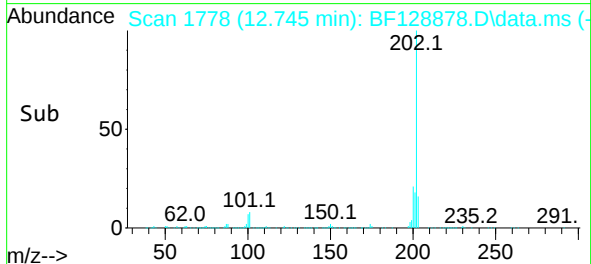
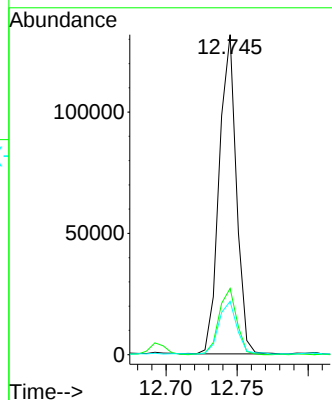
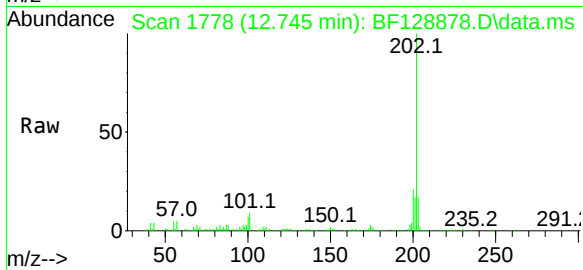




#78
 Pyrene
 Concen: 5.922 ng
 RT: 12.745 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128878.D
 Acq: 20 Jun 2022 15:54

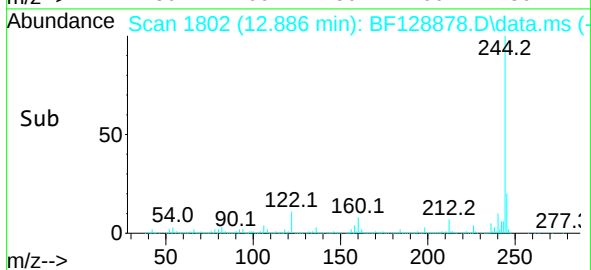
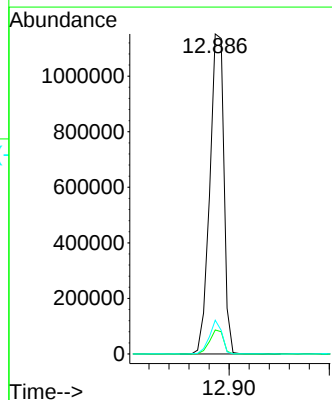
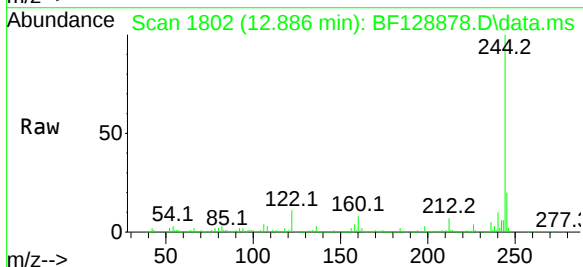
Instrument :
 BNA_F
 ClientSampleId :
 SC-13E

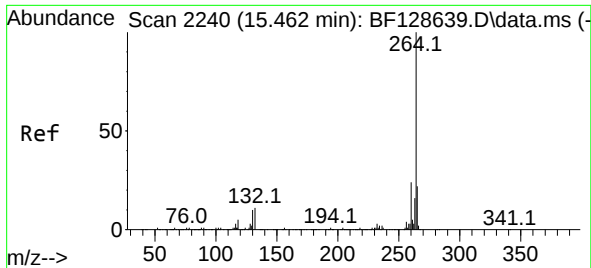
Tgt Ion:202 Resp: 110039
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.7 26.5
 203 16.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 78.481 ng
 RT: 12.886 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: BF128878.D
 Acq: 20 Jun 2022 15:54

Tgt Ion:244 Resp: 1127950
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 10.5 8.8 13.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.392 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF128878.D
 Acq: 20 Jun 2022 15:54

Instrument :
 BNA_F
 ClientSampleId :
 SC-13E

Tgt Ion:264 Resp: 207462
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.4 27.6
 265 21.2 17.2 25.8

