

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128921.D
 Acq On : 22 Jun 2022 02:44
 Operator : CG\JU
 Sample : N3414-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-062022

Quant Time: Jun 22 04:02:08 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 22 01:02:29 2022
 Response via : Initial Calibration

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

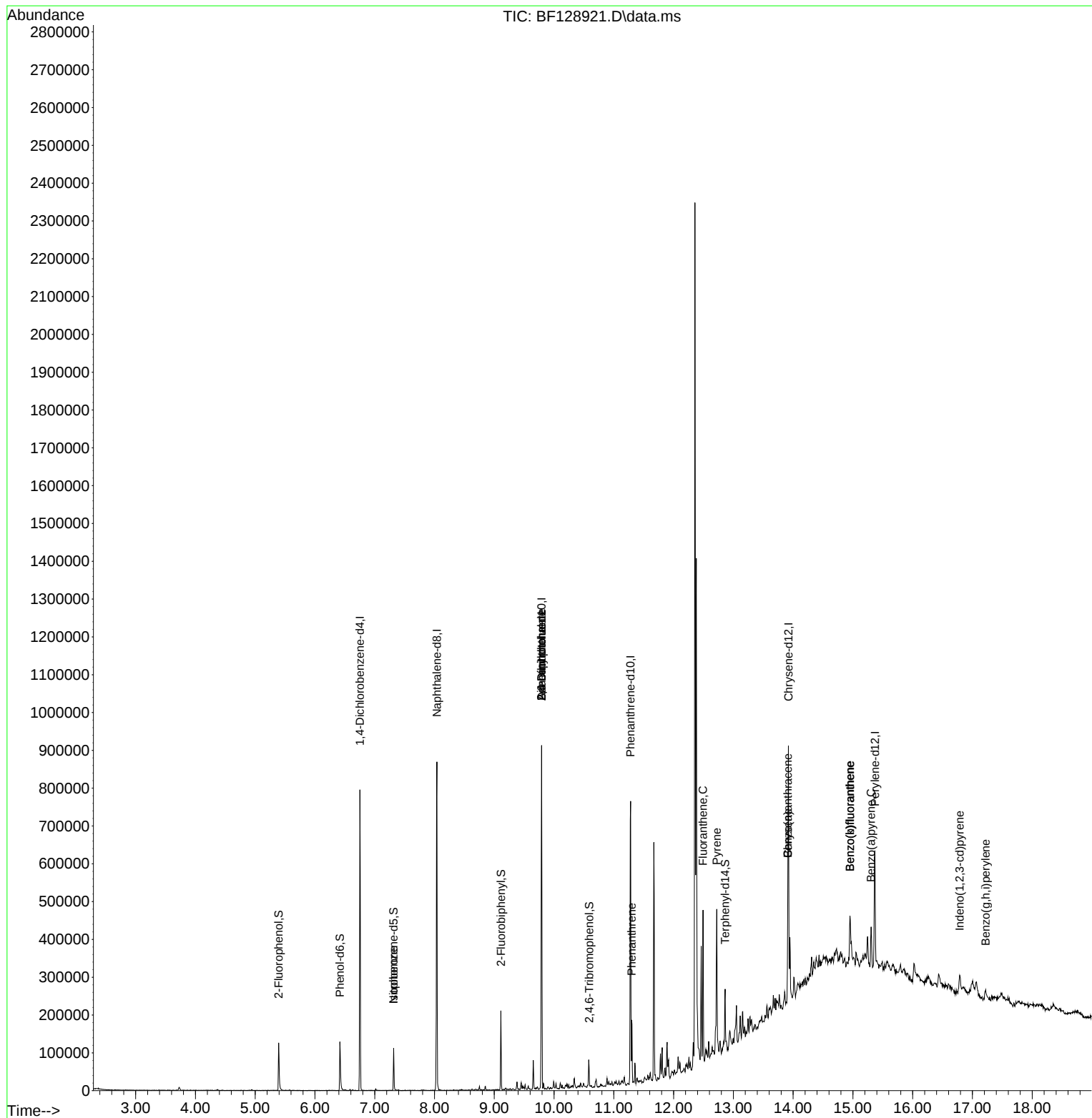
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	102334	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	346952	20.000	ng	# 0.00
39) Acenaphthene-d10	9.792	164	163280	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	273483	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	194365	20.000	ng	# 0.00
86) Perylene-d12	15.368	264	141310	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	33056	5.145	ng	0.00
7) Phenol-d6	6.416	99	41704	5.318	ng	0.00
23) Nitrobenzene-d5	7.316	82	28457	3.819	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	7122	3.692	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	51197	4.392	ng	0.00
79) Terphenyl-d14	12.863	244	49346	4.412	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.316	82	28457	2.514	ng	# 65
50) Dimethylphthalate	9.792	163	29123	2.606	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	21368	9.687	ng	# 25
57) 2,4-Dinitrotoluene	9.792	165	21368	7.259	ng	# 21
71) Phenanthrene	11.298	178	59785	4.358	ng	97
75) Fluoranthene	12.492	202	138214	9.639	ng	96
78) Pyrene	12.722	202	144342	9.982	ng	97
81) Benzo(a)anthracene	13.910	228	72320	5.969	ng	92
83) Chrysene	13.910	228	72320	6.261	ng	95
87) Indeno(1,2,3-cd)pyrene	16.786	276	25109	2.948	ng	# 90
88) Benzo(b)fluoranthene	14.951	252	85325	9.450	ng	97
89) Benzo(k)fluoranthene	14.951	252	85325	10.045	ng	97
90) Benzo(a)pyrene	15.304	252	44841	6.318	ng	# 95
92) Benzo(g,h,i)perylene	17.221	276	23280	3.325	ng	94

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

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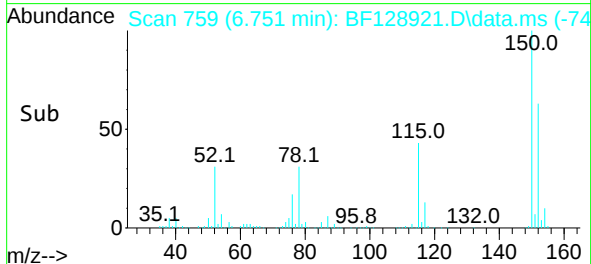
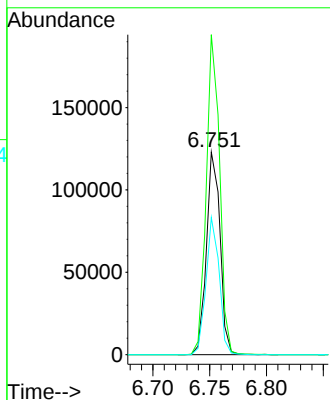
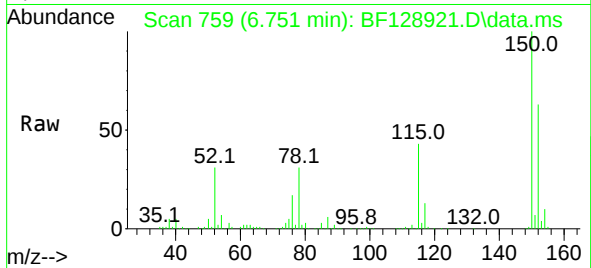




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

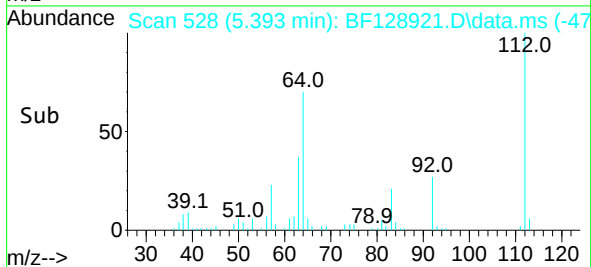
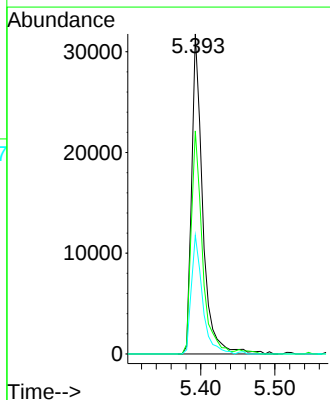
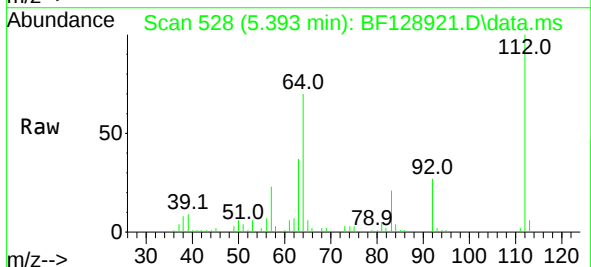
Instrument :
BNA_F
ClientSampleId :
SU-04-062022

Tgt Ion:152 Resp: 102334
Ion Ratio Lower Upper
152 100
150 157.9 123.7 185.5
115 67.7 49.9 74.9



#5
2-Fluorophenol
Concen: 5.145 ng
RT: 5.393 min Scan# 528
Delta R.T. 0.006 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

Tgt Ion:112 Resp: 33056
Ion Ratio Lower Upper
112 100
64 69.7 53.3 79.9
63 37.0 28.0 42.0

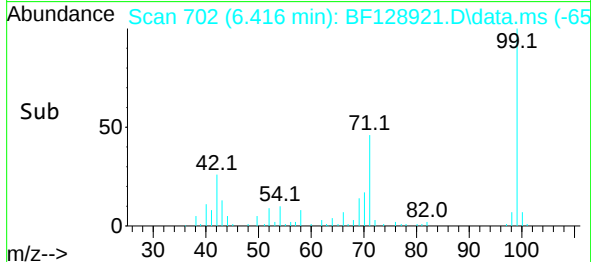
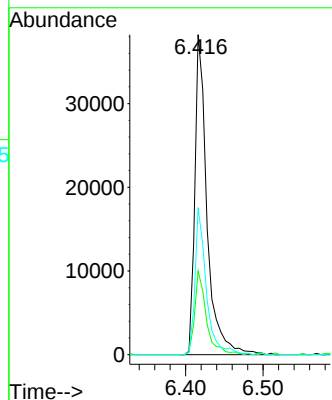
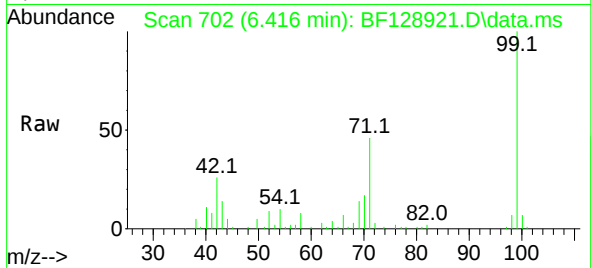




#7
Phenol-d6
Concen: 5.318 ng
RT: 6.416 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

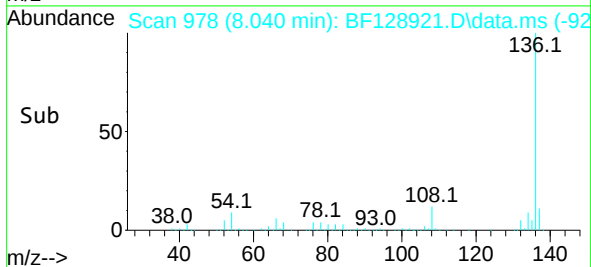
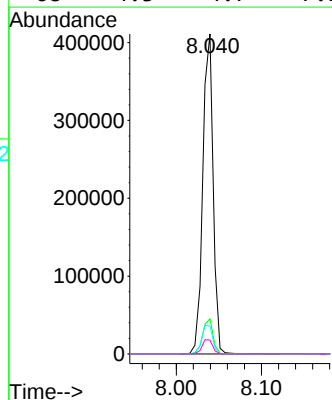
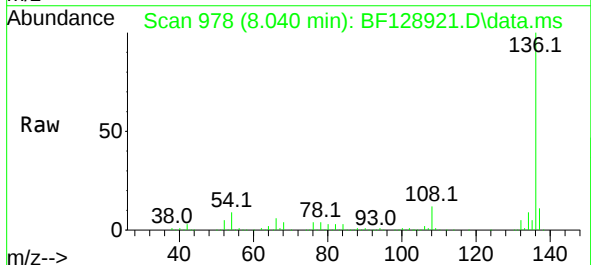
Instrument :
BNA_F
ClientSampleId :
SU-04-062022

Tgt Ion: 99 Resp: 41704
Ion Ratio Lower Upper
99 100
42 26.2 17.3 25.9#
71 46.0 28.9 43.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 978
Delta R.T. 0.000 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

Tgt Ion: 136 Resp: 346952
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.8 7.5 11.3
68 4.3 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 3.819 ng

RT: 7.316 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

Instrument :

BNA_F

ClientSampleId :

SU-04-062022

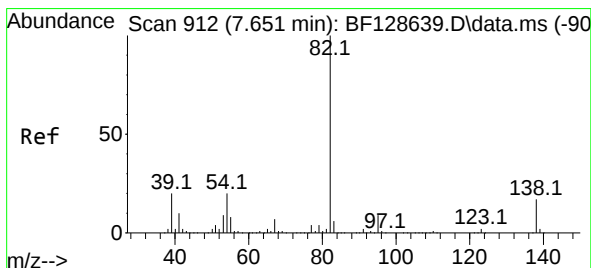
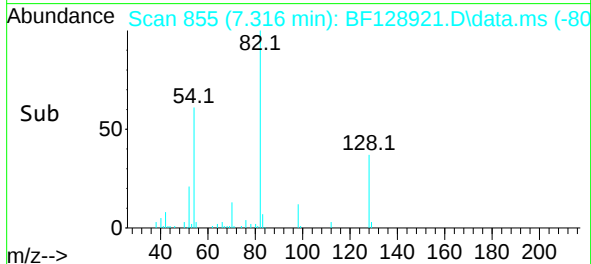
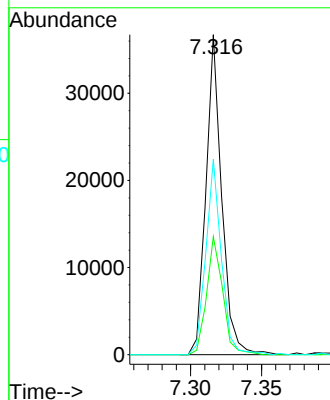
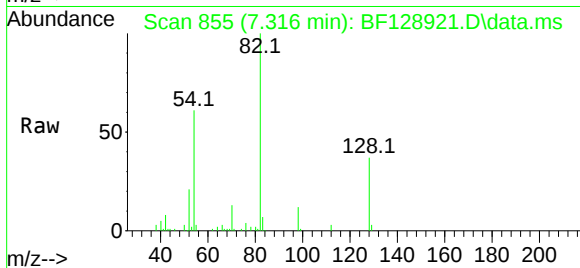
Tgt Ion: 82 Resp: 28457

Ion Ratio Lower Upper

82 100

128 36.9 34.0 51.0

54 61.1 46.9 70.3



#25

Isophorone

Concen: 2.514 ng

RT: 7.316 min Scan# 855

Delta R.T. -0.270 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

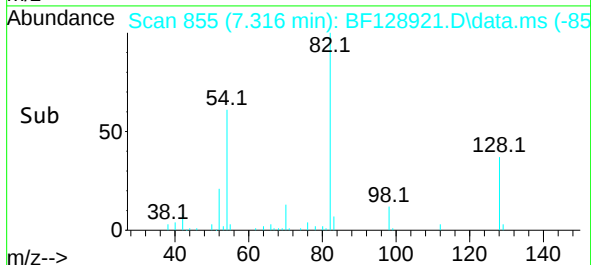
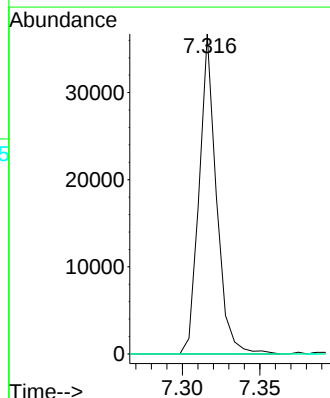
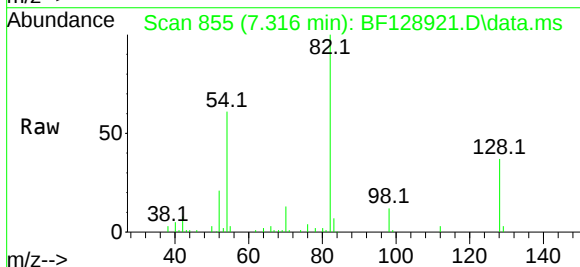
Tgt Ion: 82 Resp: 28457

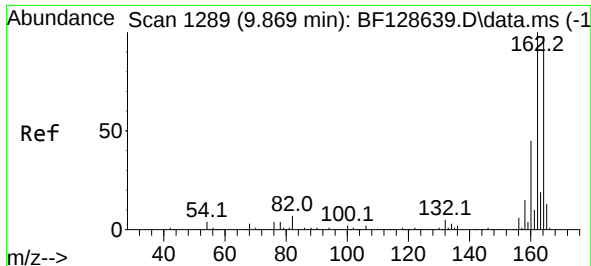
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

Instrument :

BNA_F

ClientSampleId :

SU-04-062022

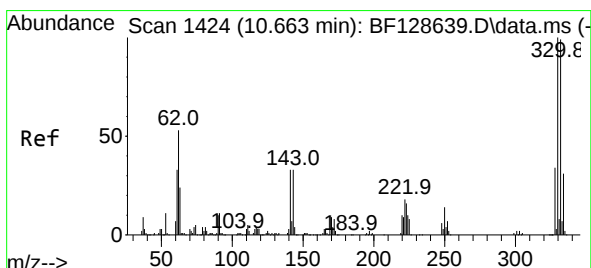
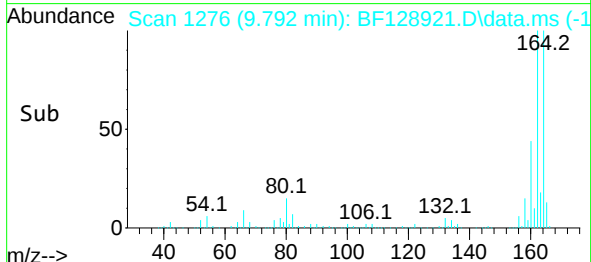
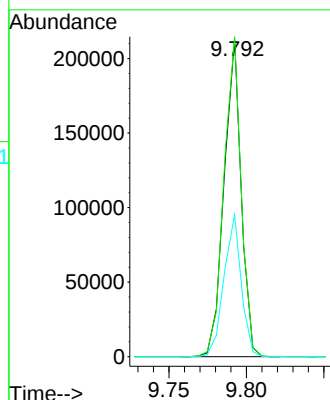
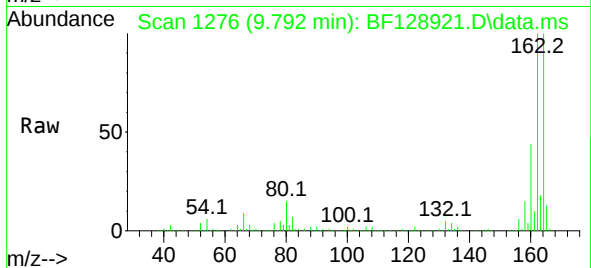
Tgt Ion:164 Resp: 163280

Ion Ratio Lower Upper

164 100

162 100.4 79.5 119.3

160 44.5 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 3.692 ng

RT: 10.586 min Scan# 1411

Delta R.T. 0.000 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

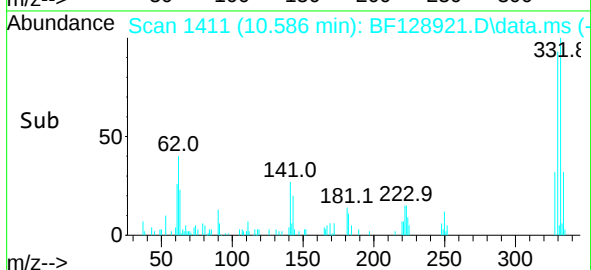
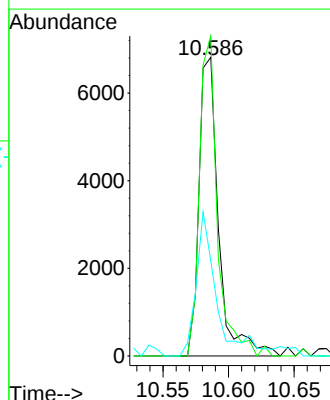
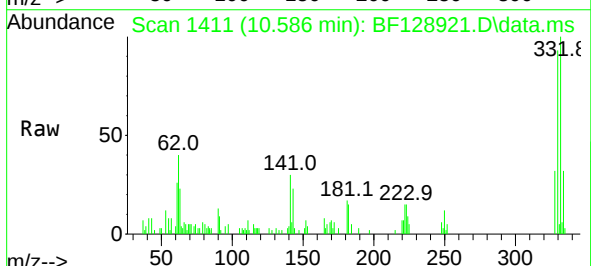
Tgt Ion:330 Resp: 7122

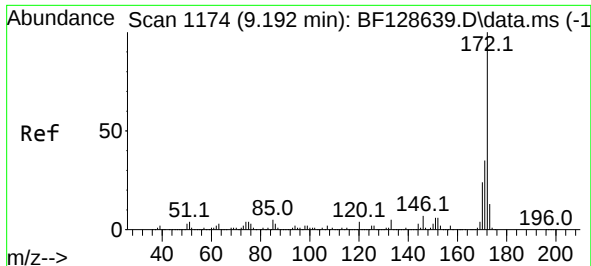
Ion Ratio Lower Upper

330 100

332 98.0 76.8 115.2

141 50.2 28.0 42.0#

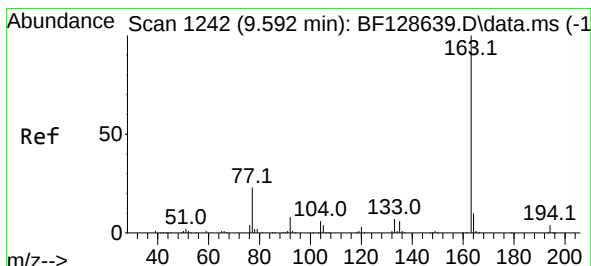
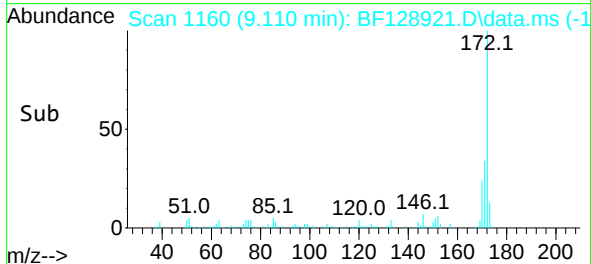
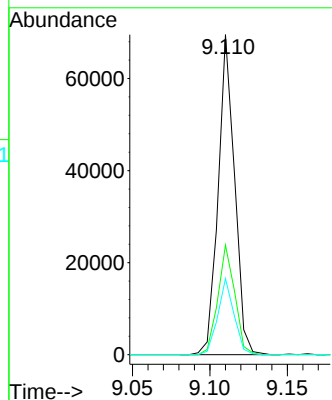
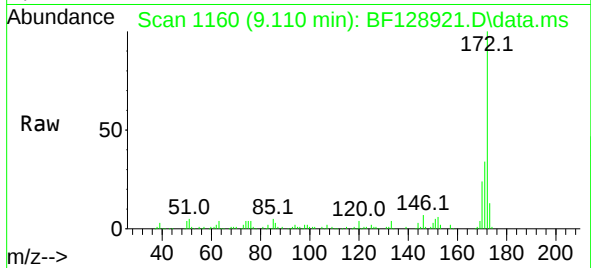




#45
2-Fluorobiphenyl
Concen: 4.392 ng
RT: 9.110 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

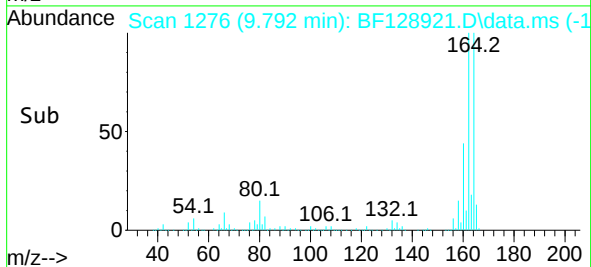
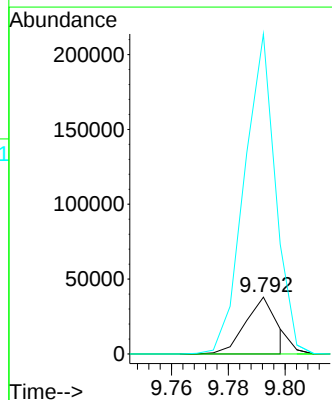
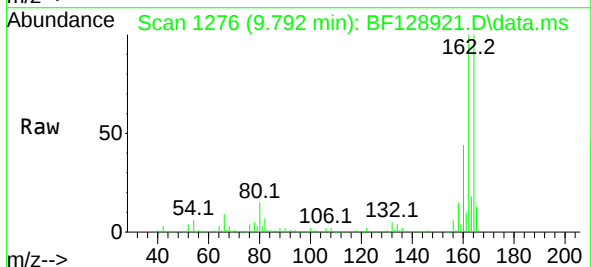
Instrument :
BNA_F
ClientSampleId :
SU-04-062022

Tgt Ion:172 Resp: 51197
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 23.8 19.8 29.8



#50
Dimethylphthalate
Concen: 2.606 ng
RT: 9.792 min Scan# 1276
Delta R.T. 0.271 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

Tgt Ion:163 Resp: 29123
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 563.0 8.2 12.2#

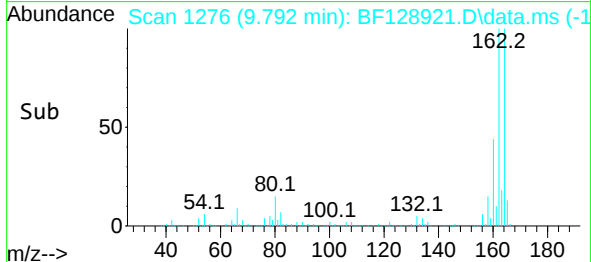
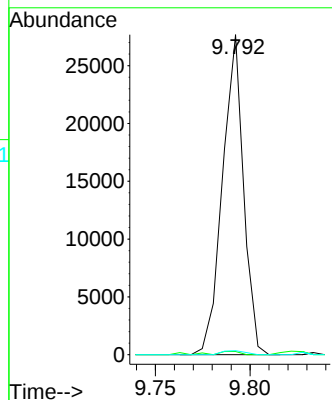
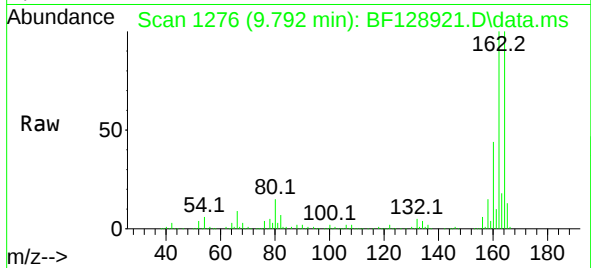




#51
2,6-Dinitrotoluene
Concen: 9.687 ng
RT: 9.792 min Scan# 1276
Delta R.T. 0.206 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

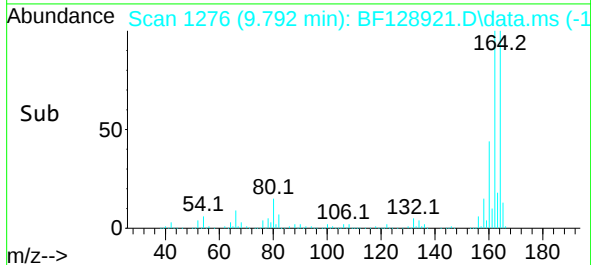
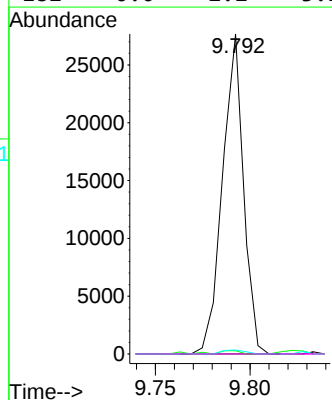
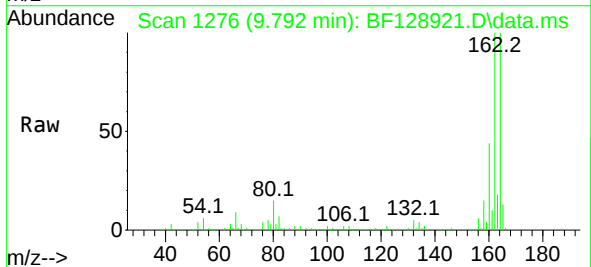
Instrument :
BNA_F
ClientSampleId :
SU-04-062022

Tgt Ion:165 Resp: 21368
Ion Ratio Lower Upper
165 100
63 1.0 44.9 67.3#
89 1.3 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 7.259 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.200 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

Tgt Ion:165 Resp: 21368
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 1.3 60.2 90.2#
182 0.0 2.2 3.2#

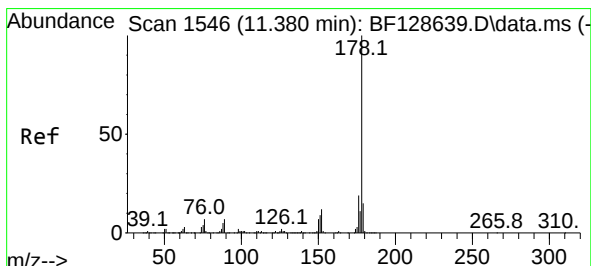
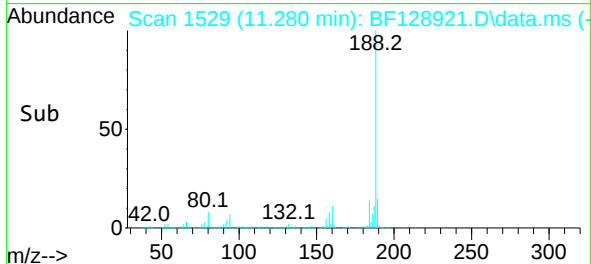
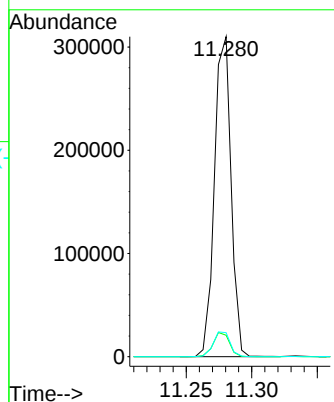
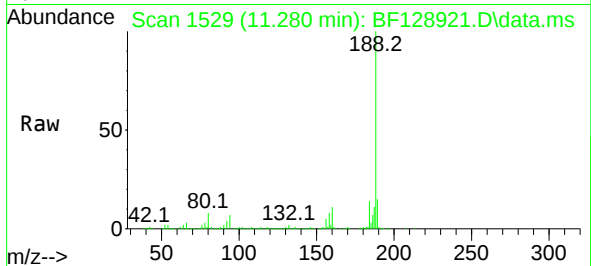




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1529
Delta R.T. 0.000 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

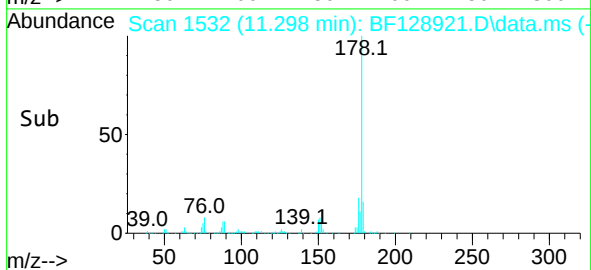
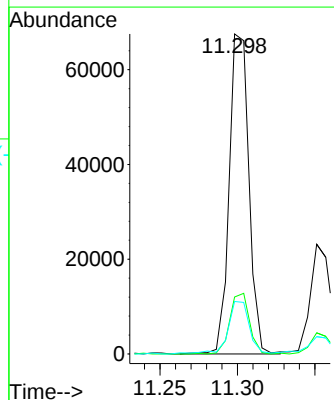
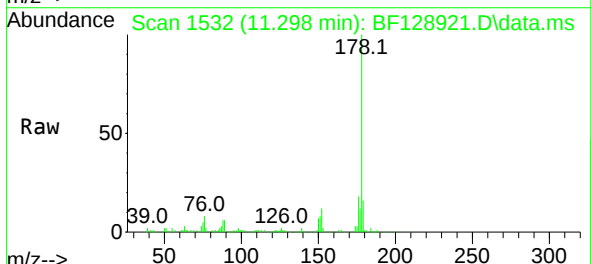
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BNA_F
ClientSampleId :
SU-04-062022

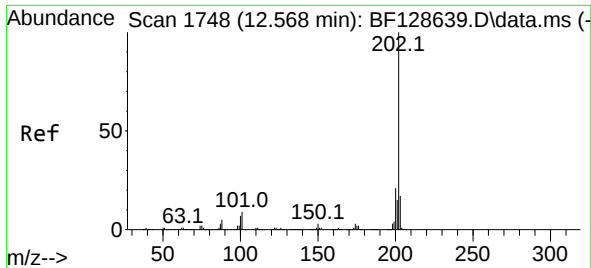
Tgt Ion:188 Resp: 273483
Ion Ratio Lower Upper
188 100
94 6.7 7.0 10.6#
80 7.5 7.6 11.4#



#71
Phenanthrene
Concen: 4.358 ng
RT: 11.298 min Scan# 1532
Delta R.T. -0.012 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

Tgt Ion:178 Resp: 59785
Ion Ratio Lower Upper
178 100
176 17.8 16.0 24.0
179 16.4 12.6 19.0

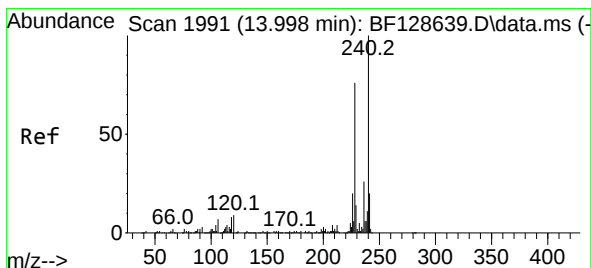
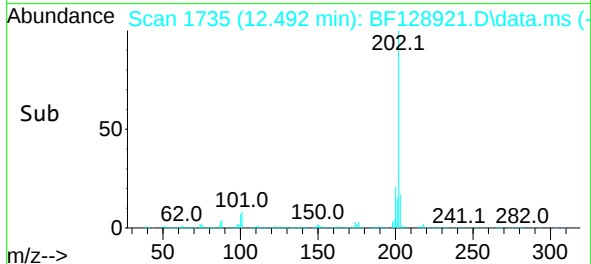
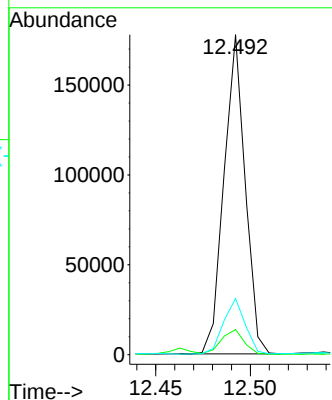
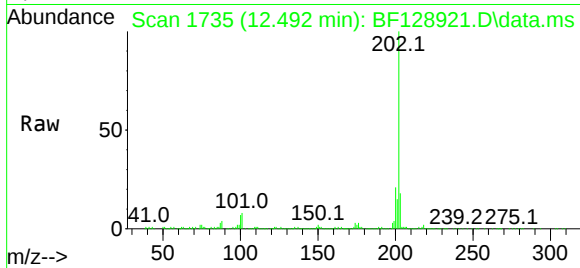




#75
Fluoranthene
Concen: 9.639 ng
RT: 12.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

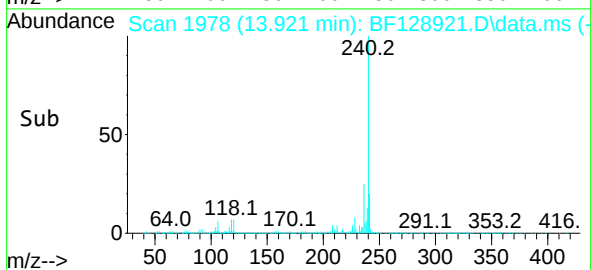
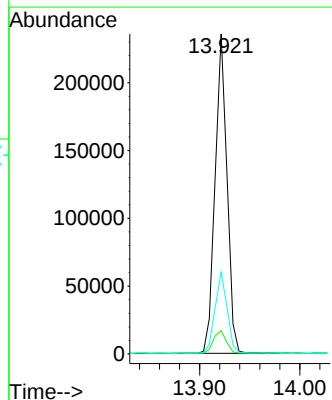
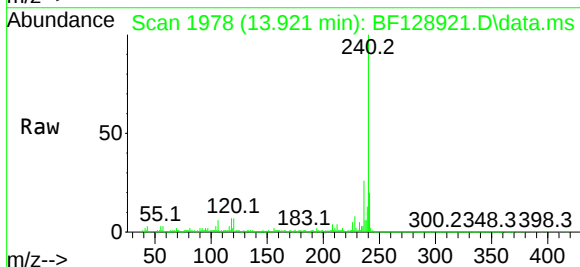
Instrument :
BNA_F
ClientSampleId :
SU-04-062022

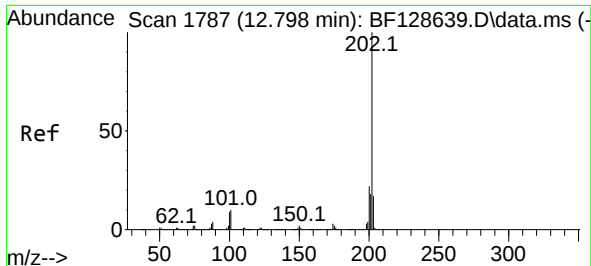
Tgt Ion:202 Resp: 138214
Ion Ratio Lower Upper
202 100
101 7.9 0.0 31.4
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

Tgt Ion:240 Resp: 194365
Ion Ratio Lower Upper
240 100
120 7.3 8.9 13.3#
236 25.6 20.8 31.2

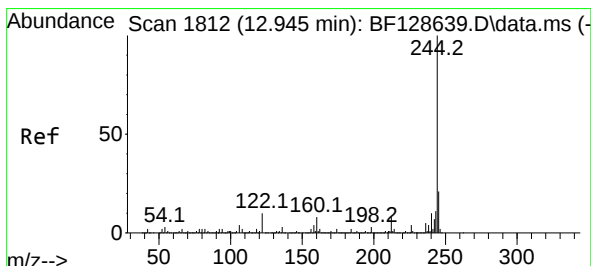
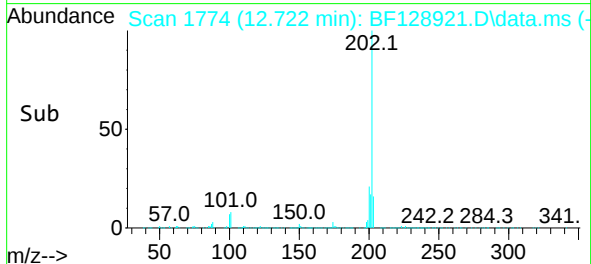
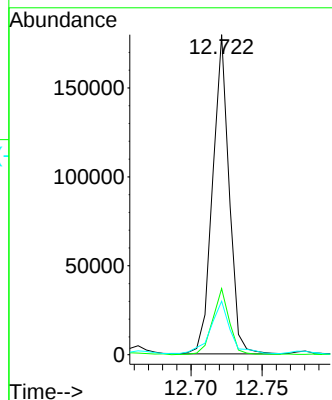
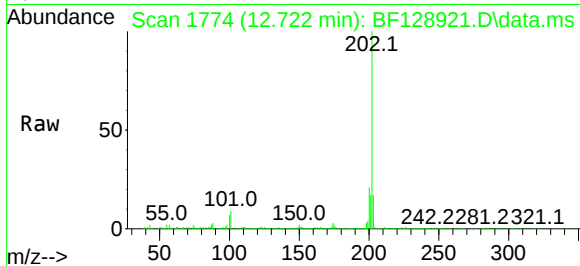




#78
 Pyrene
 Concen: 9.982 ng
 RT: 12.722 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: BF128921.D
 Acq: 22 Jun 2022 02:44

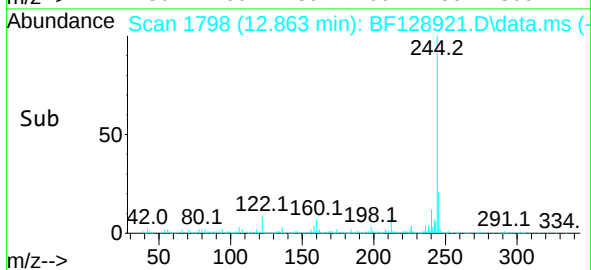
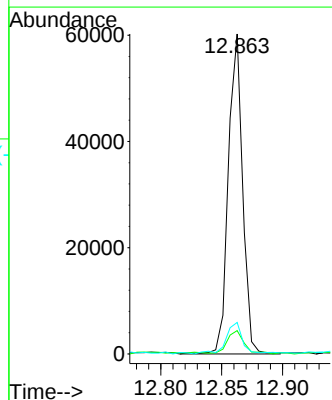
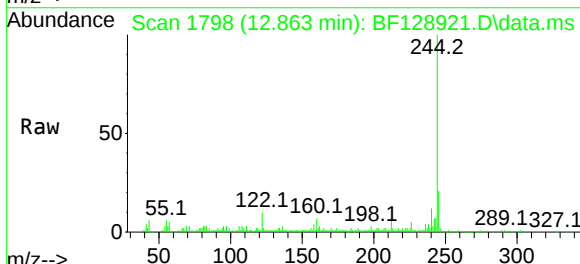
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-062022

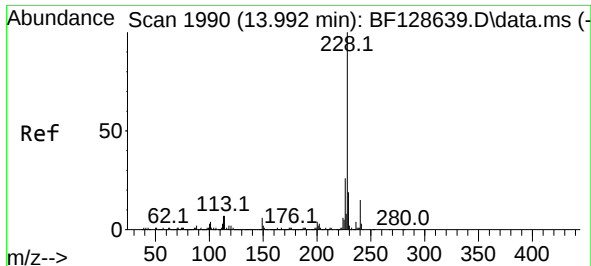
Tgt Ion:202 Resp: 144342
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.7 26.5
 203 16.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 4.412 ng
 RT: 12.863 min Scan# 1798
 Delta R.T. -0.006 min
 Lab File: BF128921.D
 Acq: 22 Jun 2022 02:44

Tgt Ion:244 Resp: 49346
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 9.9 8.8 13.2

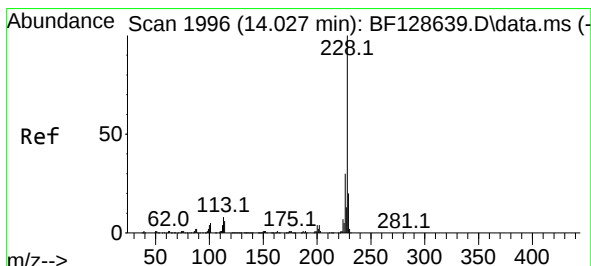
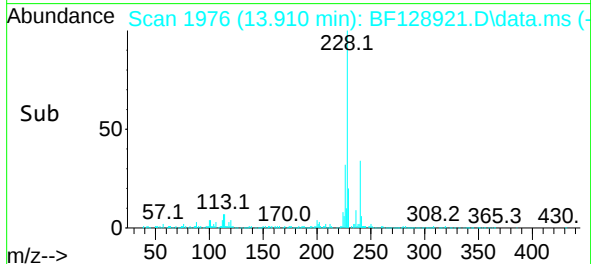
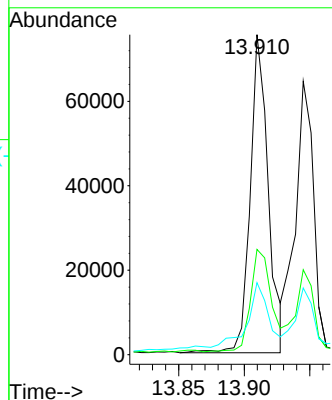
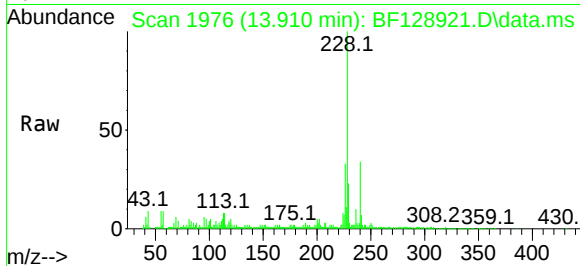




#81
Benzo(a)anthracene
Concen: 5.969 ng
RT: 13.910 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

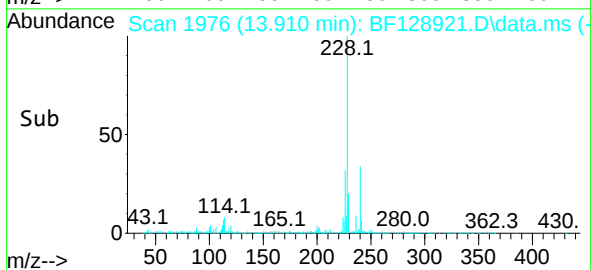
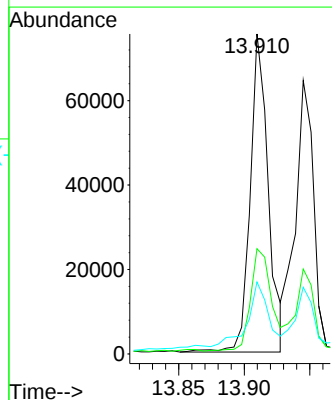
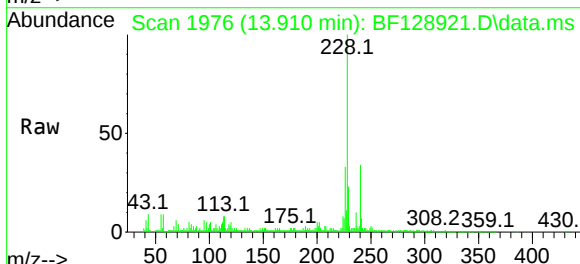
Instrument :
BNA_F
ClientSampleId :
SU-04-062022

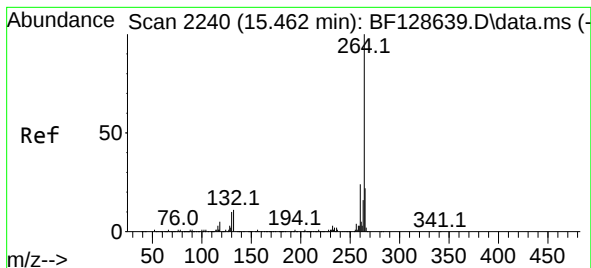
Tgt Ion:228 Resp: 72320
Ion Ratio Lower Upper
228 100
226 32.9 22.1 33.1
229 22.5 15.8 23.8



#83
Chrysene
Concen: 6.261 ng
RT: 13.910 min Scan# 1976
Delta R.T. -0.041 min
Lab File: BF128921.D
Acq: 22 Jun 2022 02:44

Tgt Ion:228 Resp: 72320
Ion Ratio Lower Upper
228 100
226 32.9 24.3 36.5
229 22.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.368 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

Instrument :

BNA_F

ClientSampleId :

SU-04-062022

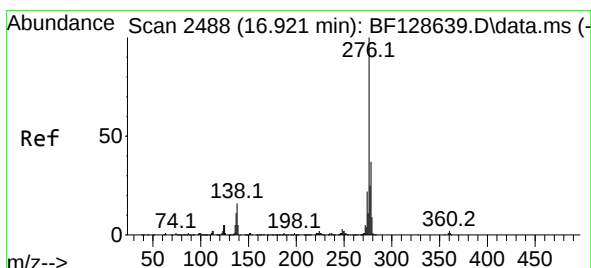
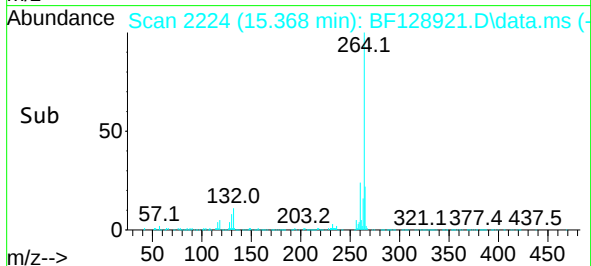
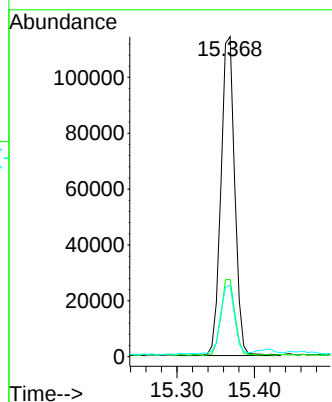
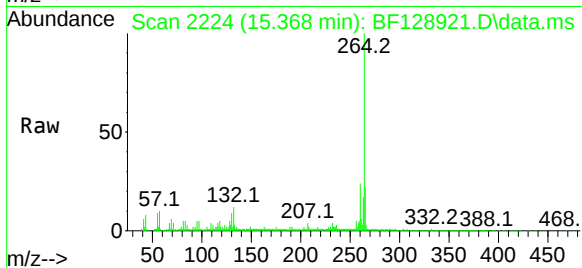
Tgt Ion:264 Resp: 141310

Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

265 22.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.948 ng

RT: 16.786 min Scan# 2465

Delta R.T. -0.006 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

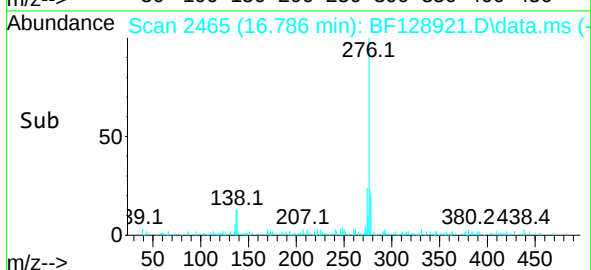
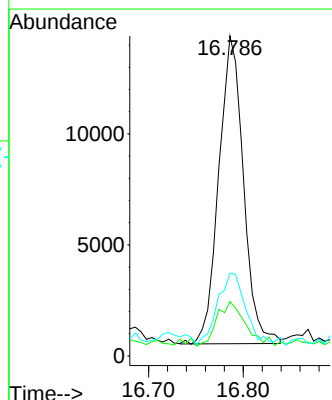
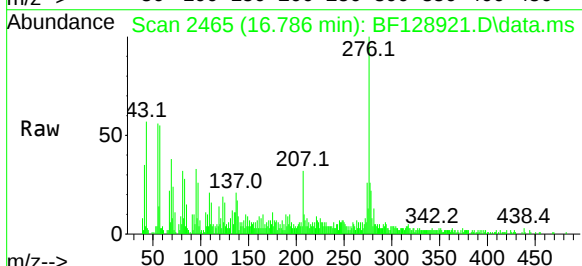
Tgt Ion:276 Resp: 25109

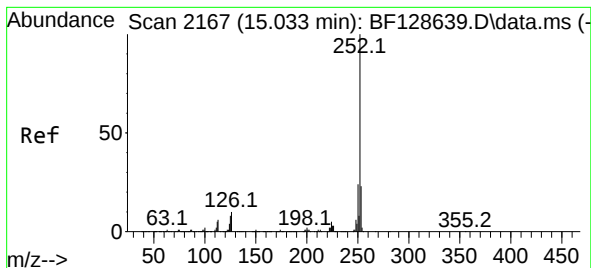
Ion Ratio Lower Upper

276 100

138 17.1 21.1 31.7#

277 26.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 9.450 ng

RT: 14.951 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

Instrument :

BNA_F

ClientSampleId :

SU-04-062022

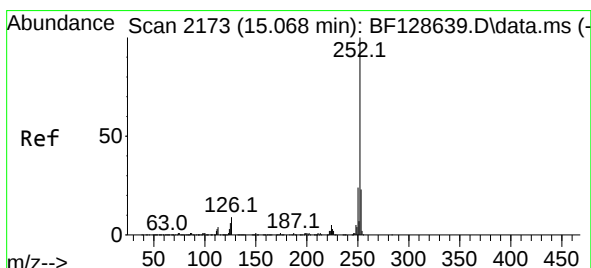
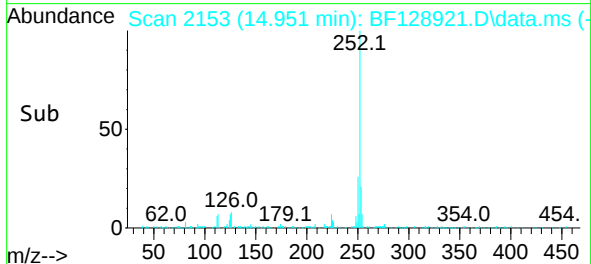
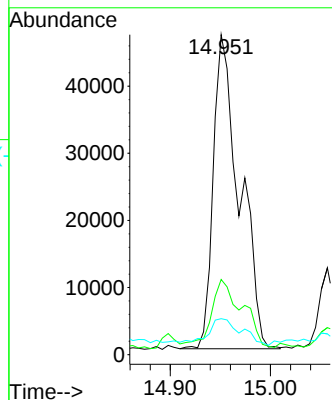
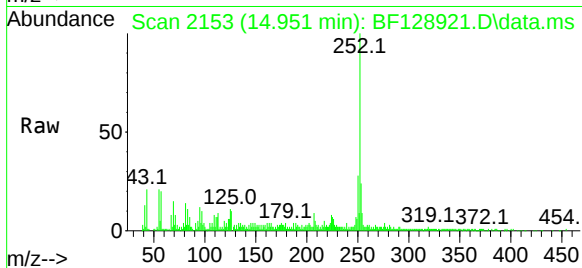
Tgt Ion:252 Resp: 85325

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 11.2 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 10.045 ng

RT: 14.951 min Scan# 2153

Delta R.T. -0.029 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

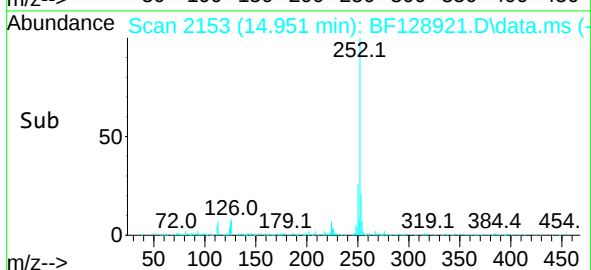
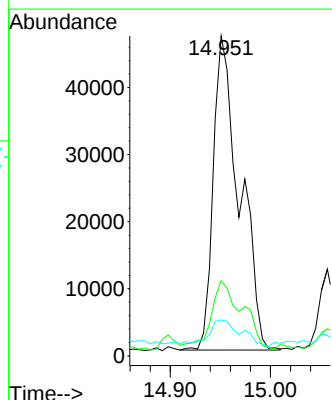
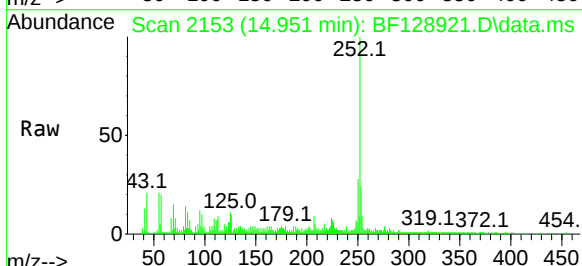
Tgt Ion:252 Resp: 85325

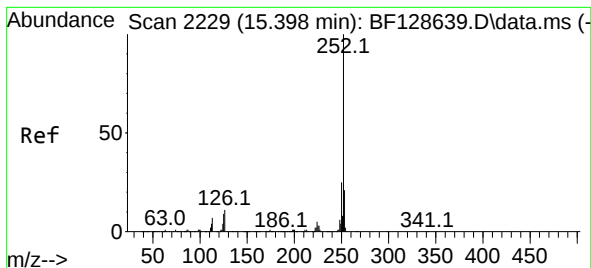
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 11.2 8.3 12.5





#90

Benzo(a)pyrene

Concen: 6.318 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

Instrument :

BNA_F

ClientSampleId :

SU-04-062022

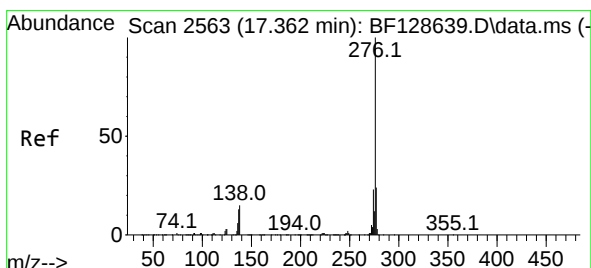
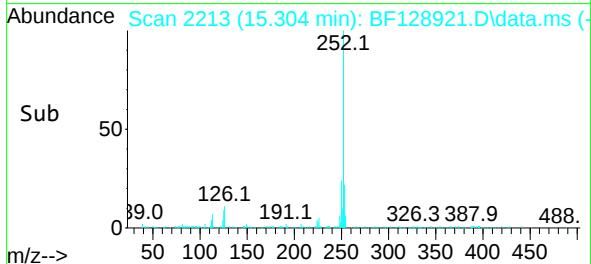
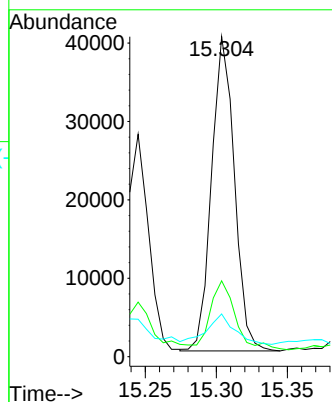
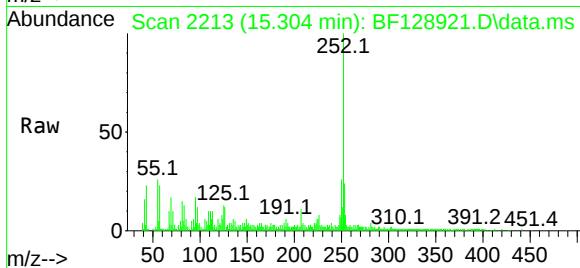
Tgt Ion:252 Resp: 44841

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

125 13.4 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 3.325 ng

RT: 17.221 min Scan# 2539

Delta R.T. 0.006 min

Lab File: BF128921.D

Acq: 22 Jun 2022 02:44

Tgt Ion:276 Resp: 23280

Ion Ratio Lower Upper

276 100

277 27.5 19.1 28.7

138 20.4 18.0 27.0

