

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128251.D
 Acq On : 13 May 2022 21:06
 Operator : CG\JU
 Sample : N2823-10DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-10DL

Quant Time: May 14 00:57:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

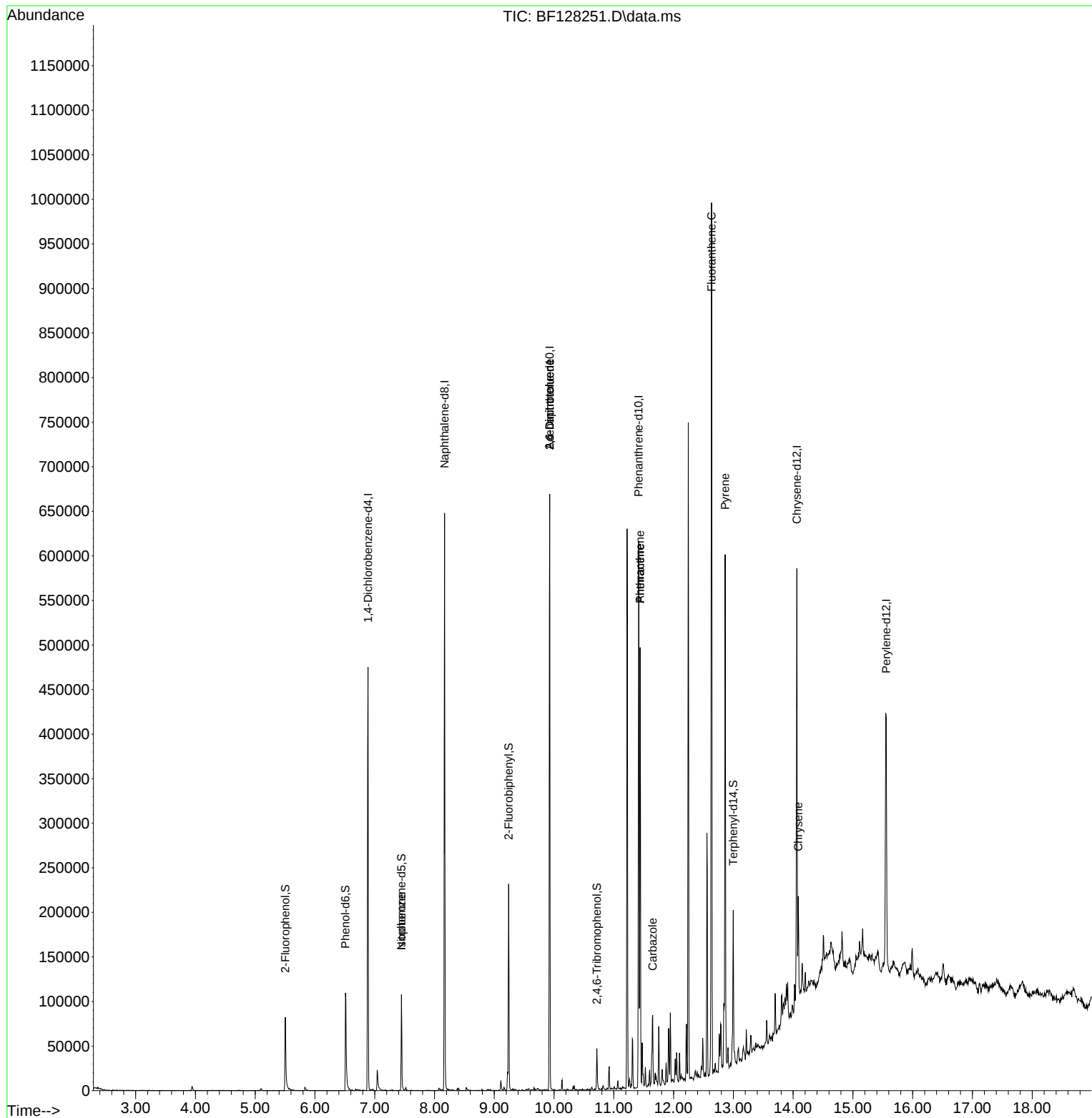
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	62804	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	238023	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	130419	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	206258	20.000	ng	0.00
76) Chrysene-d12	14.063	240	151467	20.000	ng	0.00
86) Perylene-d12	15.557	264	125505	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	25950	6.587	ng	0.00
7) Phenol-d6	6.510	99	41876	8.036	ng	-0.02
23) Nitrobenzene-d5	7.445	82	31983	6.046	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	5131	3.430	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	59856	7.181	ng	-0.01
79) Terphenyl-d14	12.998	244	50331	6.235	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.445	82	31982	3.856	ng	# 68
51) 2,6-Dinitrotoluene	9.928	165	16967	9.190	ng	# 22
57) 2,4-Dinitrotoluene	9.928	165	16967	6.873	ng	# 26
71) Phenanthrene	11.439	178	166881	16.249	ng	99
72) Anthracene	11.439	178	166881	16.275	ng	99
73) Carbazole	11.651	167	30013	3.078	ng	100
75) Fluoranthene	12.633	202	367950	33.045	ng	98
78) Pyrene	12.863	202	203943	18.569	ng	100
83) Chrysene	14.086	228	38240	4.143	ng	98

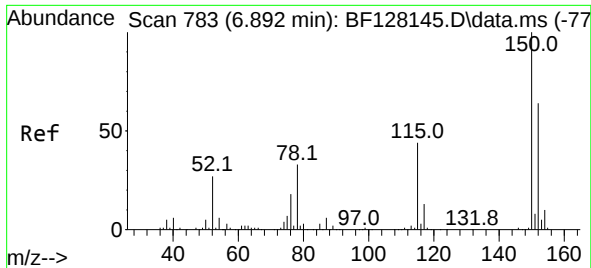
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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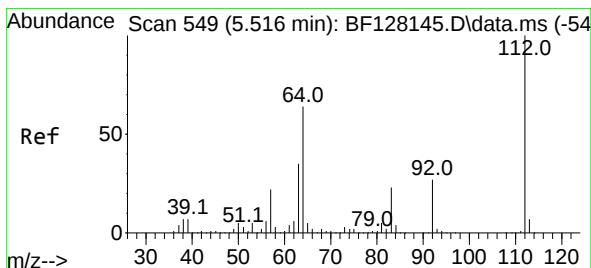
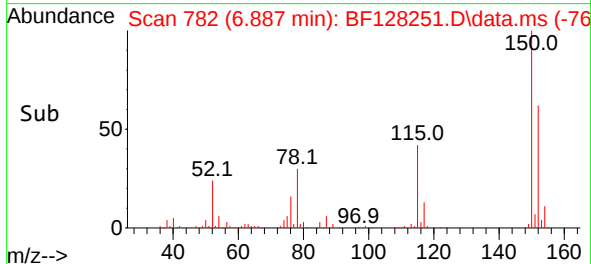
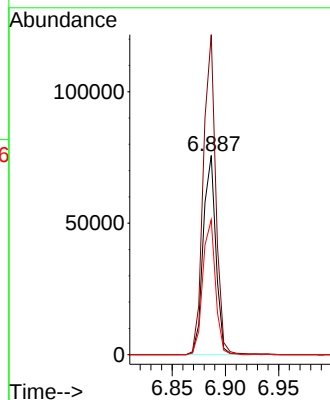
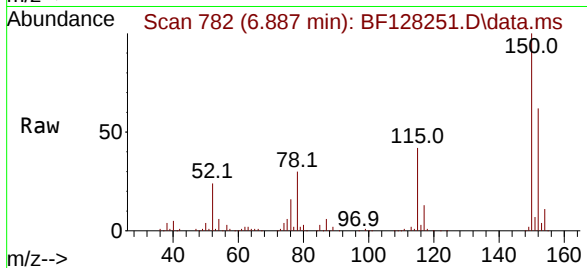




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

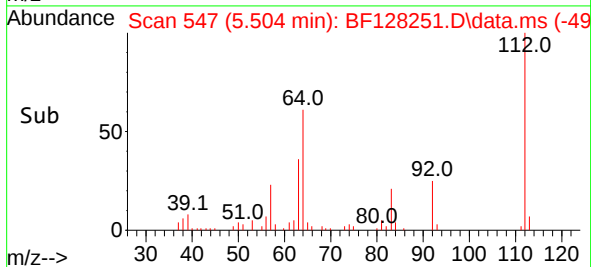
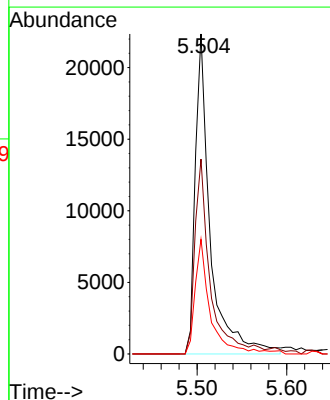
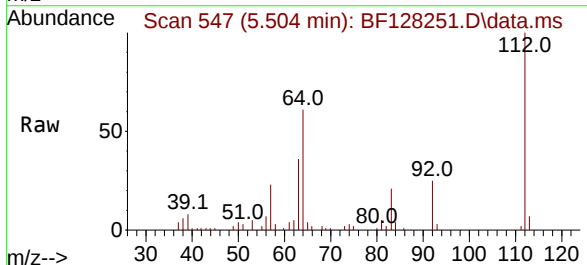
Instrument :
BNA_F
ClientSampleId :
SC-10DL

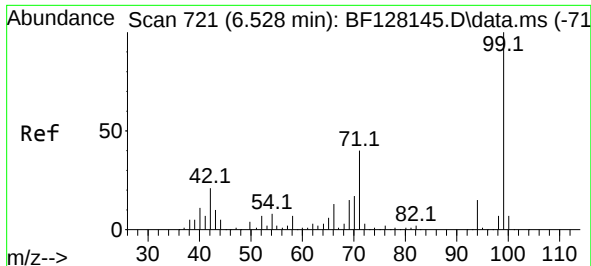
Tgt Ion:152 Resp: 62804
Ion Ratio Lower Upper
152 100
150 160.7 125.3 187.9
115 67.7 48.8 73.2



#5
2-Fluorophenol
Concen: 6.587 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

Tgt Ion:112 Resp: 25950
Ion Ratio Lower Upper
112 100
64 60.9 49.5 74.3
63 35.9 26.3 39.5

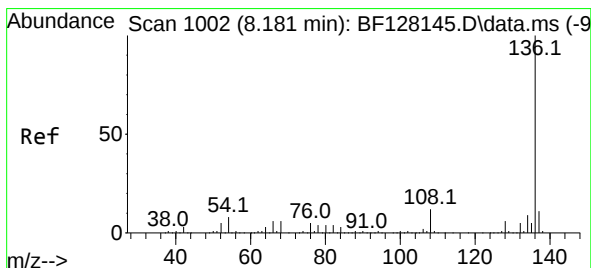
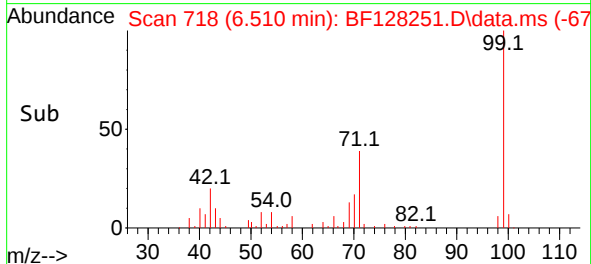
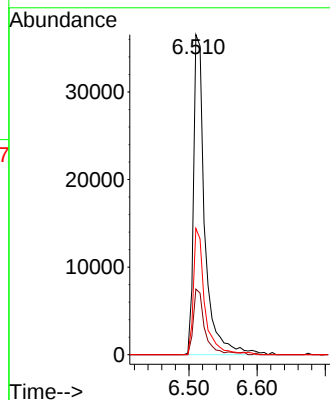
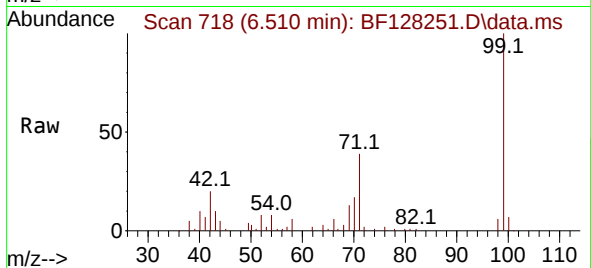




#7
Phenol-d6
Concen: 8.036 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

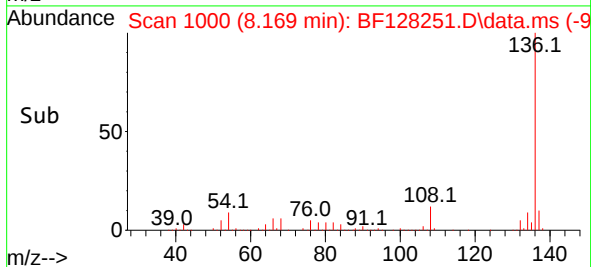
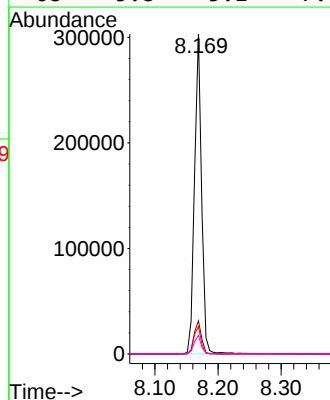
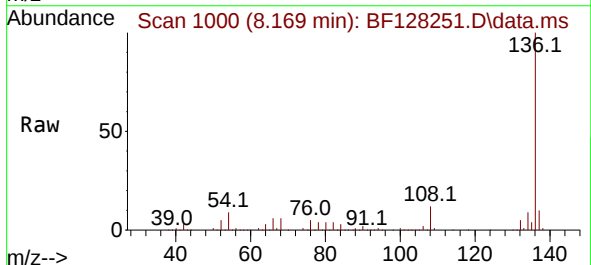
Instrument :
BNA_F
ClientSampleId :
SC-10DL

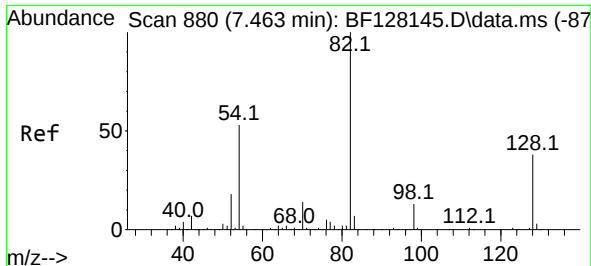
Tgt Ion: 99 Resp: 41876
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 39.5 30.0 45.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

Tgt Ion: 136 Resp: 238023
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.5 6.8 10.2
68 5.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 6.046 ng

RT: 7.445 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF128251.D

Acq: 13 May 2022 21:06

Instrument :

BNA_F

ClientSampleId :

SC-10DL

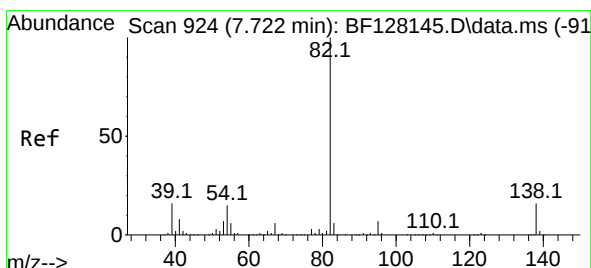
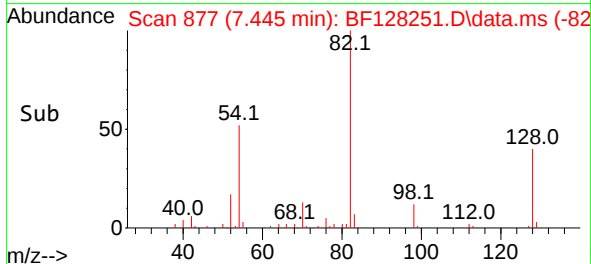
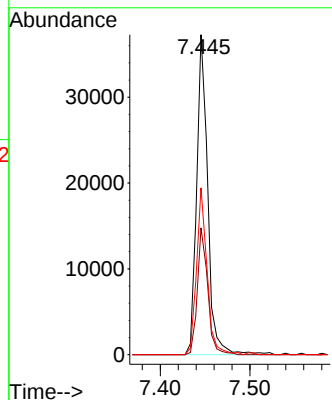
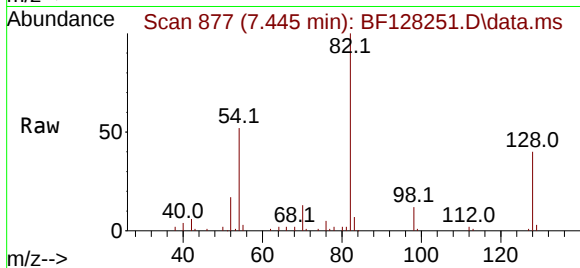
Tgt Ion: 82 Resp: 31983

Ion Ratio Lower Upper

82 100

128 39.7 30.0 45.0

54 52.2 41.3 61.9



#25

Isophorone

Concen: 3.856 ng

RT: 7.445 min Scan# 877

Delta R.T. -0.271 min

Lab File: BF128251.D

Acq: 13 May 2022 21:06

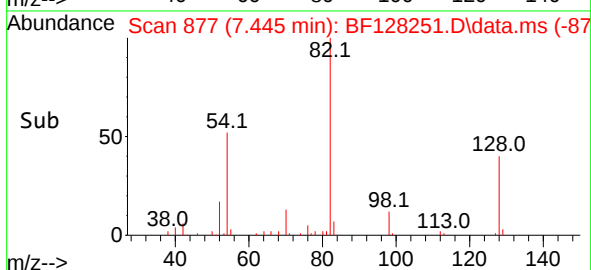
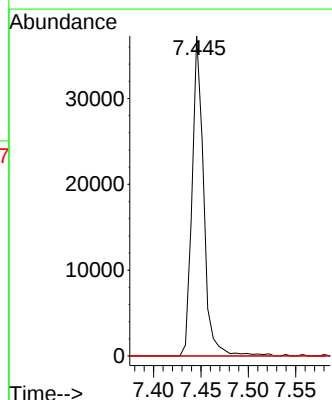
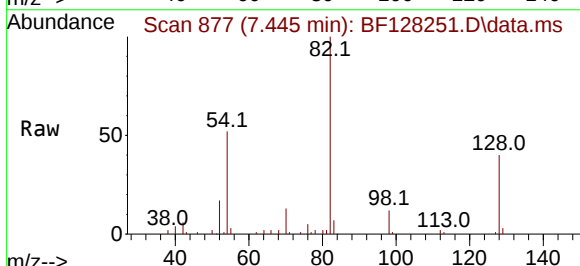
Tgt Ion: 82 Resp: 31982

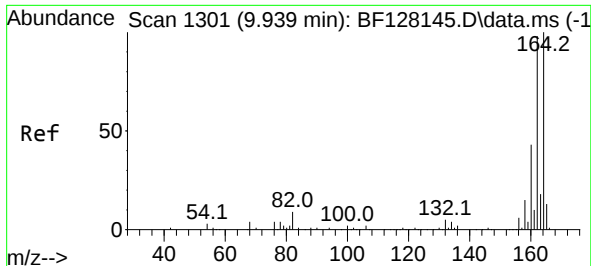
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 12.5 18.7#

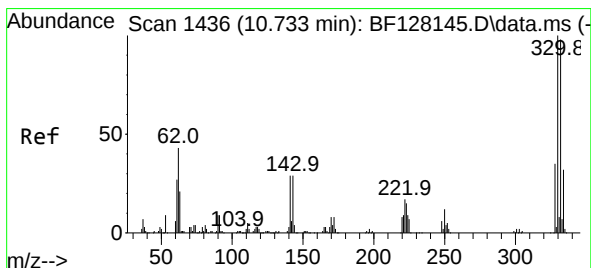
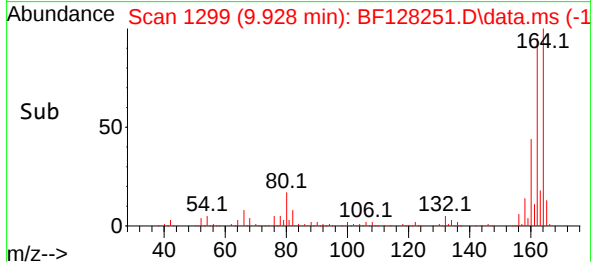
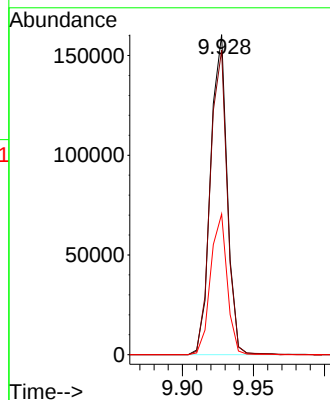
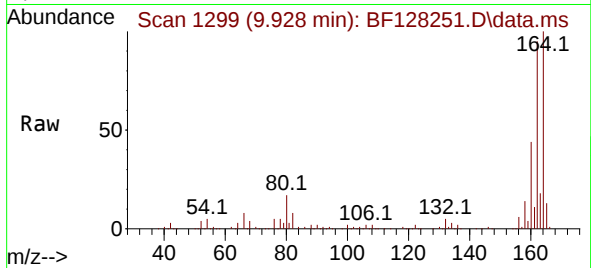




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

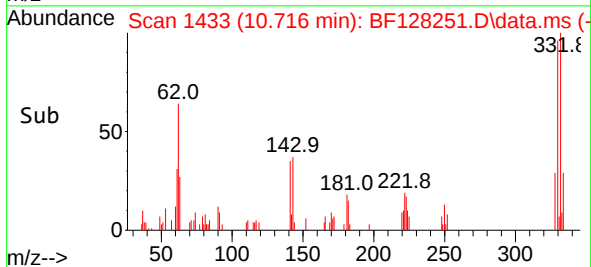
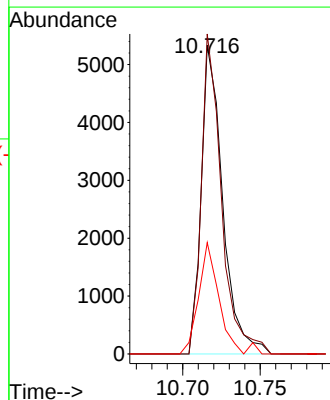
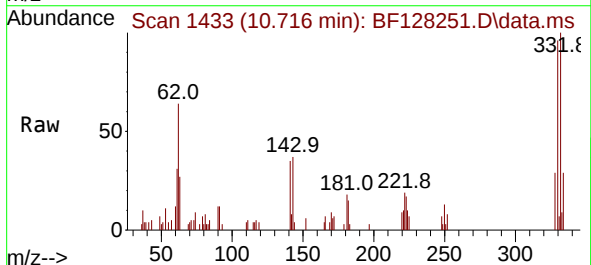
Instrument :
BNA_F
ClientSampleId :
SC-10DL

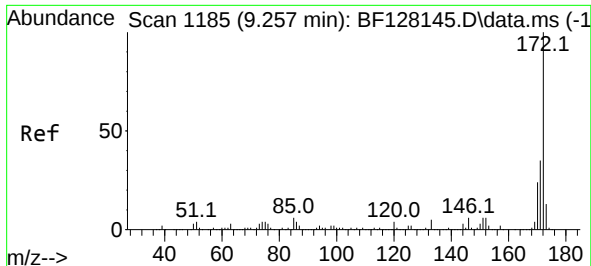
Tgt Ion:164 Resp: 130419
Ion Ratio Lower Upper
164 100
162 95.2 76.0 114.0
160 43.9 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 3.430 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

Tgt Ion:330 Resp: 5131
Ion Ratio Lower Upper
330 100
332 97.1 79.0 118.4
141 34.8 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 7.181 ng

RT: 9.239 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF128251.D

Acq: 13 May 2022 21:06

Instrument :

BNA_F

ClientSampleId :

SC-10DL

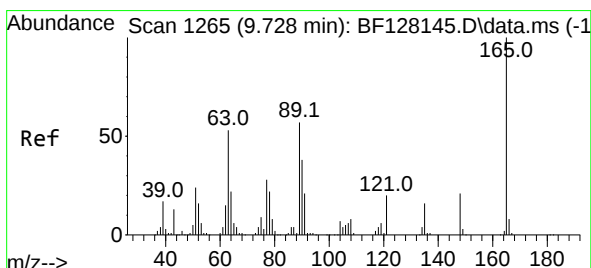
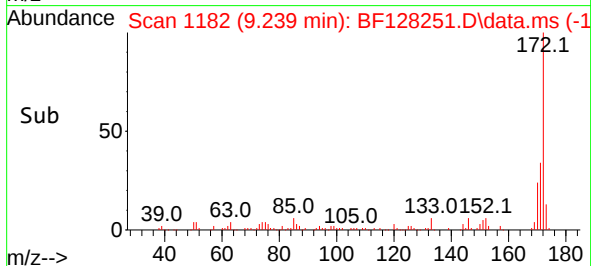
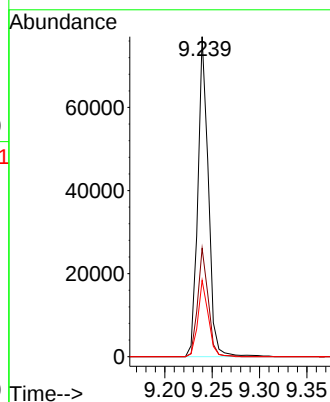
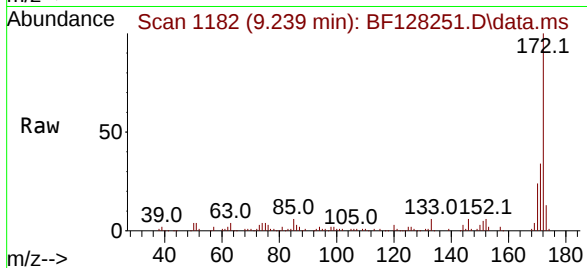
Tgt Ion:172 Resp: 59856

Ion Ratio Lower Upper

172 100

171 33.9 28.6 42.8

170 23.9 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.190 ng

RT: 9.928 min Scan# 1299

Delta R.T. 0.206 min

Lab File: BF128251.D

Acq: 13 May 2022 21:06

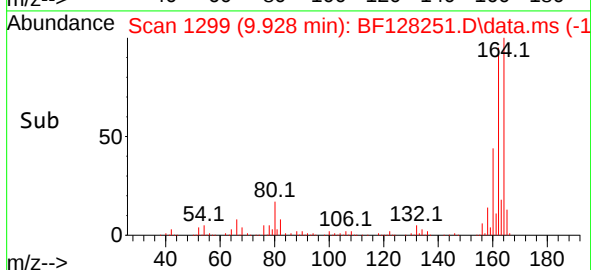
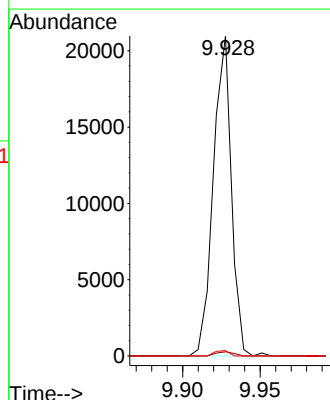
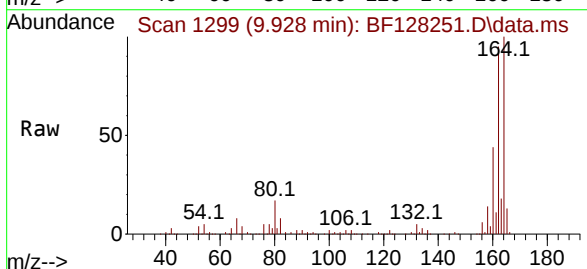
Tgt Ion:165 Resp: 16967

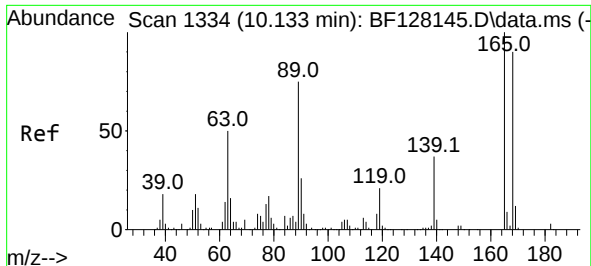
Ion Ratio Lower Upper

165 100

63 1.3 49.5 74.3#

89 1.6 49.0 73.4#

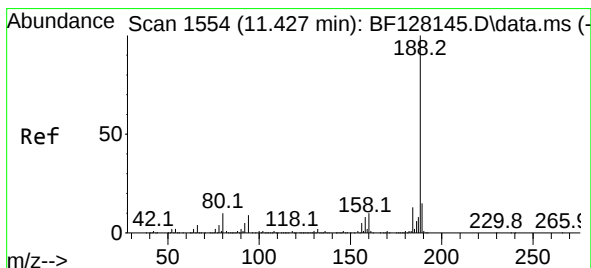
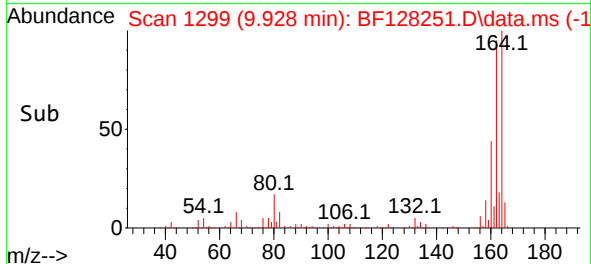
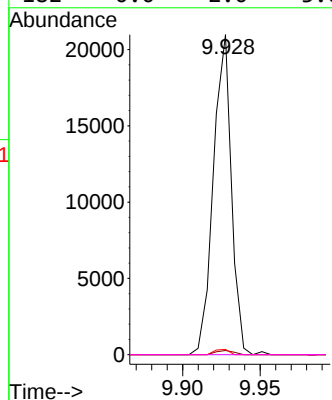
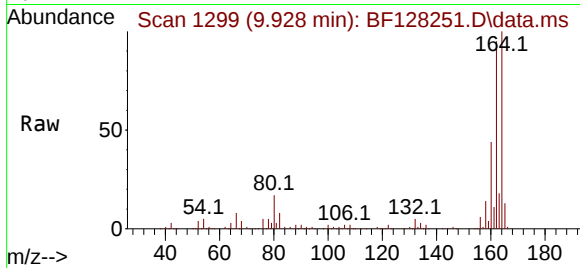




#57
2,4-Dinitrotoluene
Concen: 6.873 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

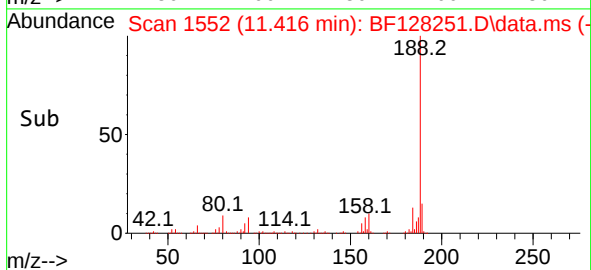
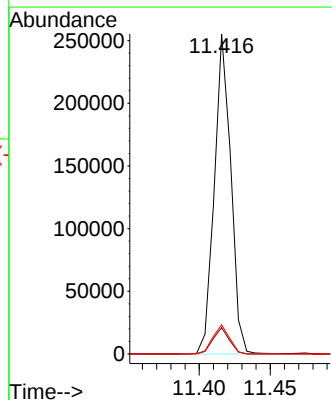
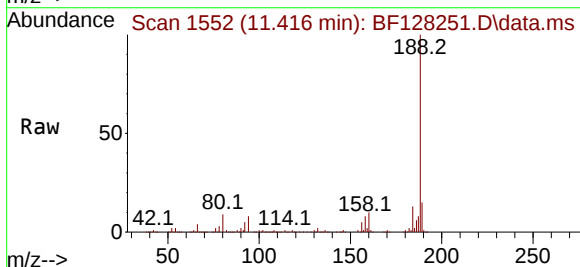
Instrument :
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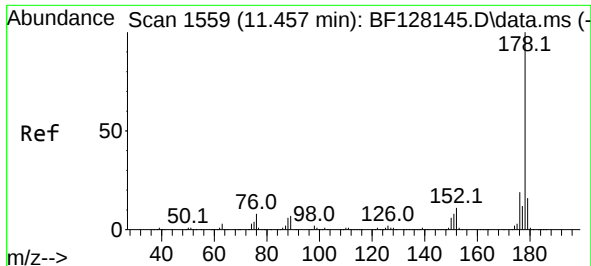
Tgt Ion:165 Resp: 16967
Ion Ratio Lower Upper
165 100
63 1.3 32.6 49.0#
89 1.6 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

Tgt Ion:188 Resp: 206258
Ion Ratio Lower Upper
188 100
94 8.2 8.0 12.0
80 9.1 8.9 13.3

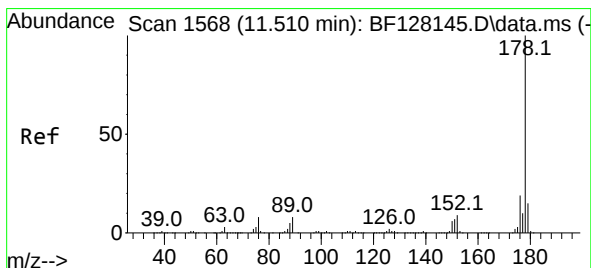
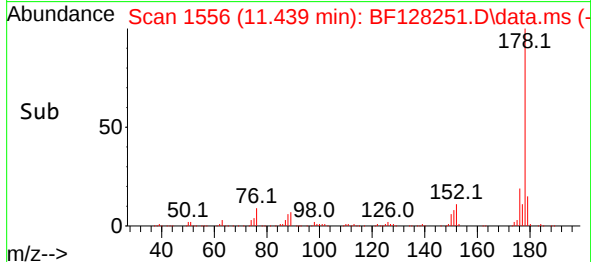
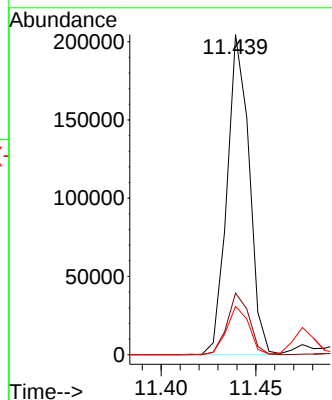
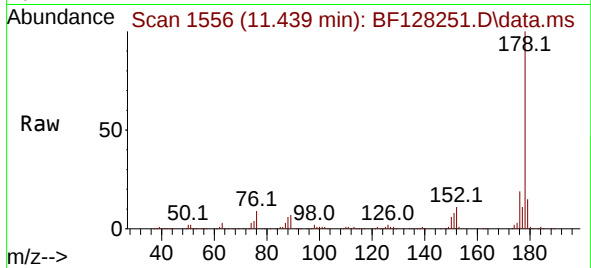




#71
Phenanthrene
Concen: 16.249 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.012 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

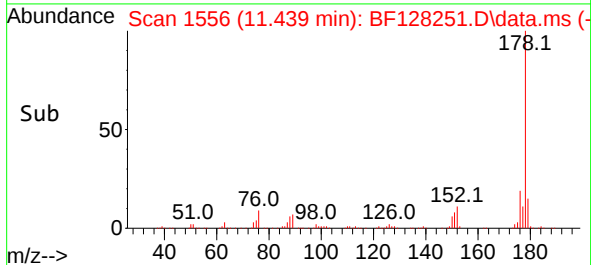
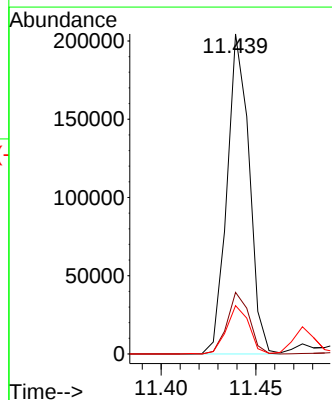
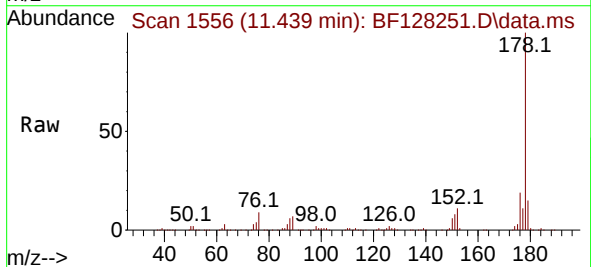
Instrument :
BNA_F
ClientSampleId :
SC-10DL

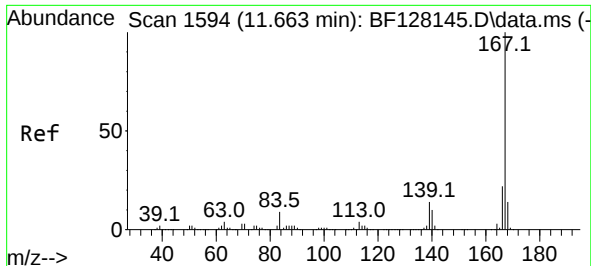
Tgt Ion:178 Resp: 166881
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.1 12.6 19.0



#72
Anthracene
Concen: 16.275 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.065 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

Tgt Ion:178 Resp: 166881
Ion Ratio Lower Upper
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176 19.2 15.0 22.6
179 15.1 12.4 18.6

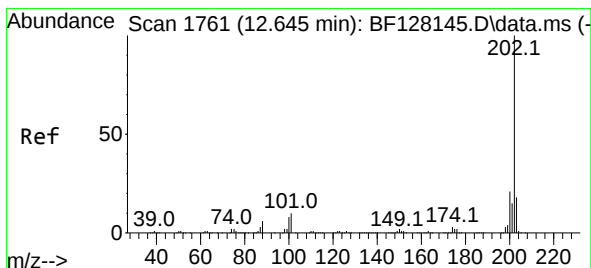
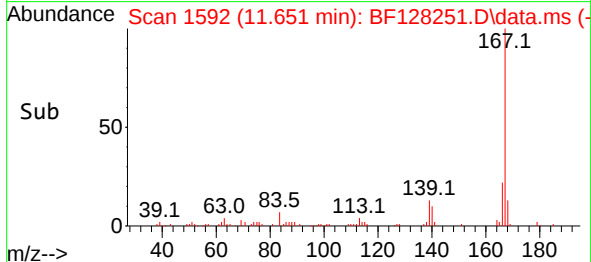
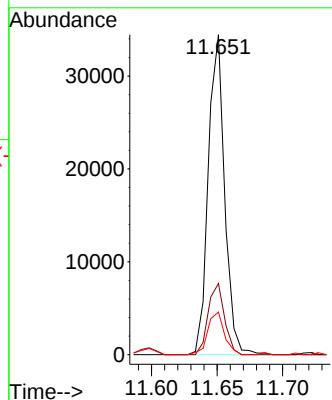
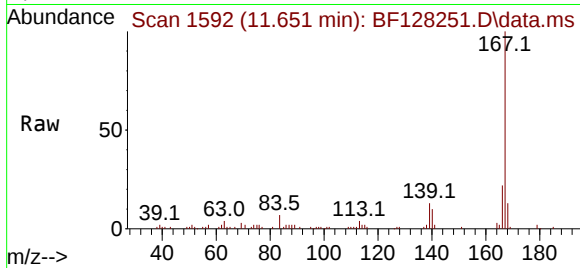




#73
 Carbazole
 Concen: 3.078 ng
 RT: 11.651 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128251.D
 Acq: 13 May 2022 21:06

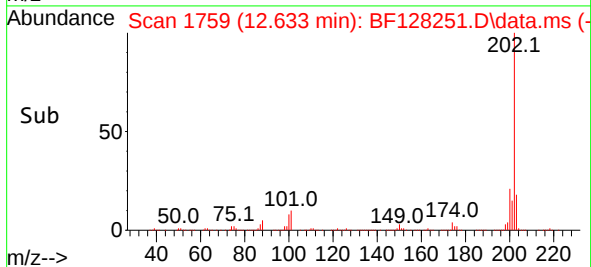
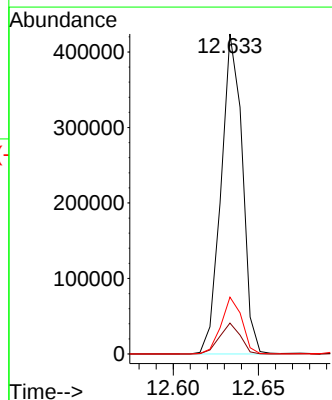
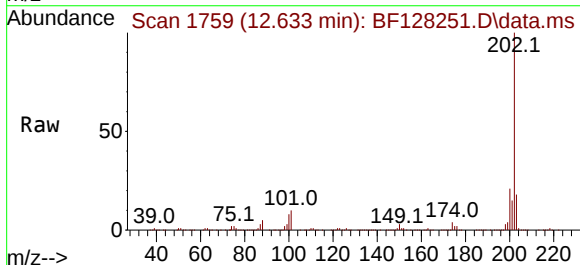
Instrument :
 BNA_F
 ClientSampleId :
 SC-10DL

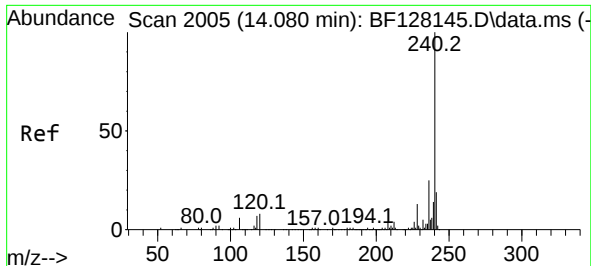
Tgt Ion:167 Resp: 30013
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.6 26.4
 139 13.3 10.7 16.1



#75
 Fluoranthene
 Concen: 33.045 ng
 RT: 12.633 min Scan# 1759
 Delta R.T. -0.006 min
 Lab File: BF128251.D
 Acq: 13 May 2022 21:06

Tgt Ion:202 Resp: 367950
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.6
 203 17.7 0.0 38.1

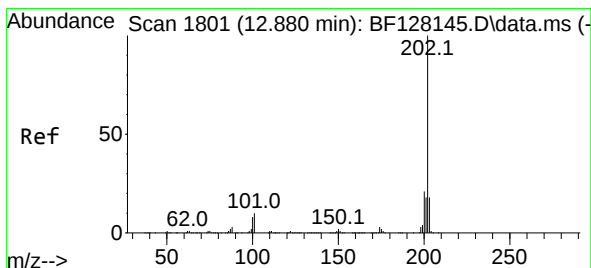
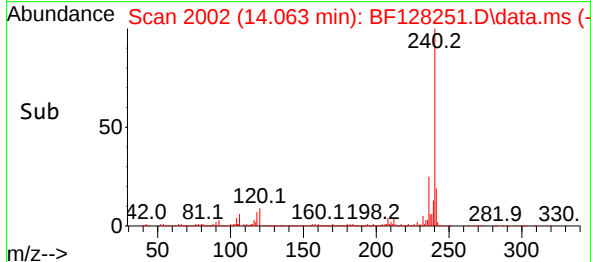
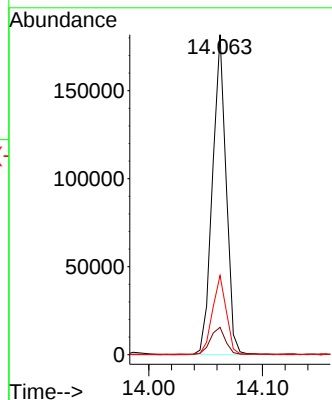
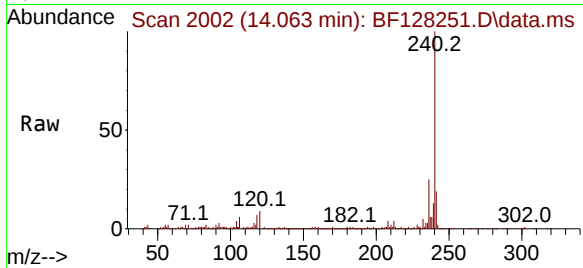




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

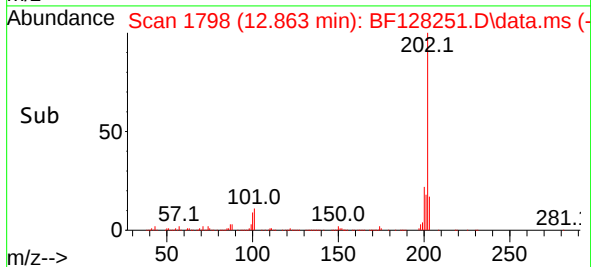
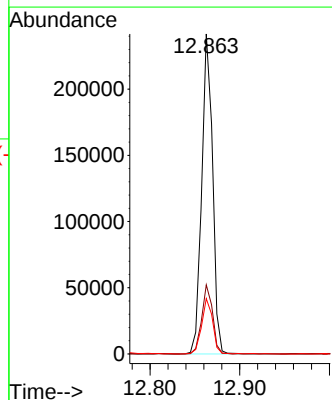
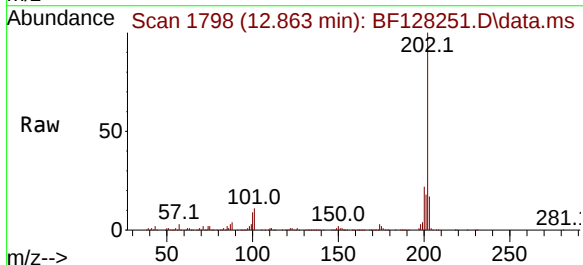
Instrument :
BNA_F
ClientSampleId :
SC-10DL

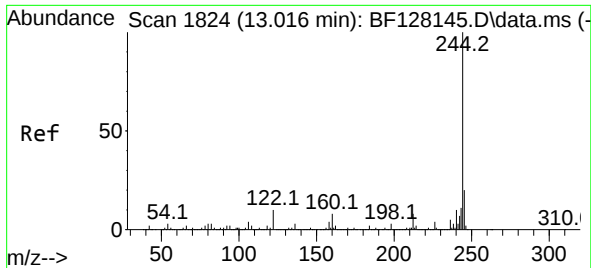
Tgt Ion:240 Resp: 151467
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.6
236 24.7 20.3 30.5



#78
Pyrene
Concen: 18.569 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF128251.D
Acq: 13 May 2022 21:06

Tgt Ion:202 Resp: 203943
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.3 14.0 21.0

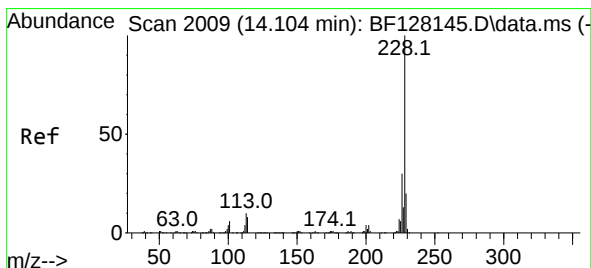
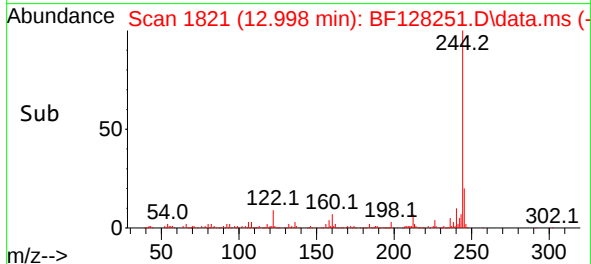
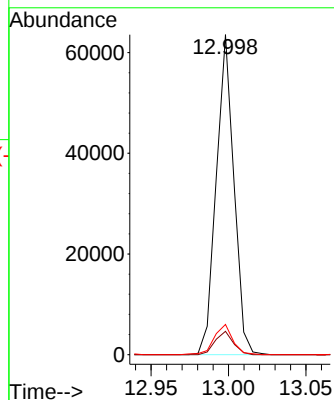
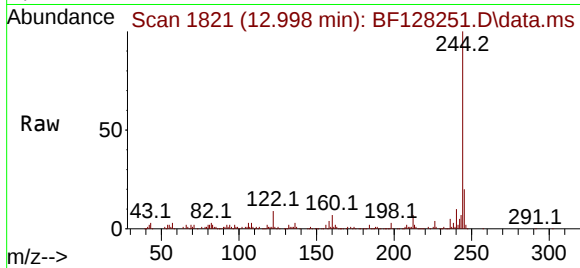




#79
 Terphenyl-d14
 Concen: 6.235 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128251.D
 Acq: 13 May 2022 21:06

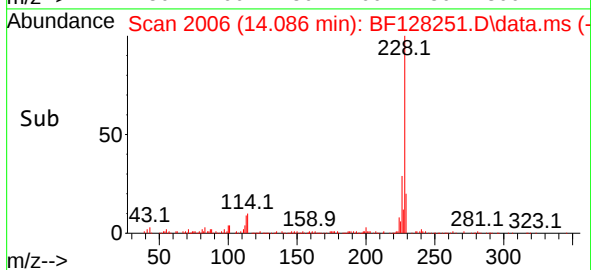
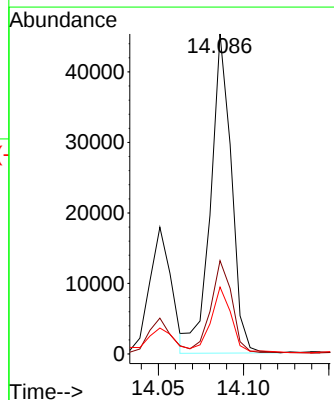
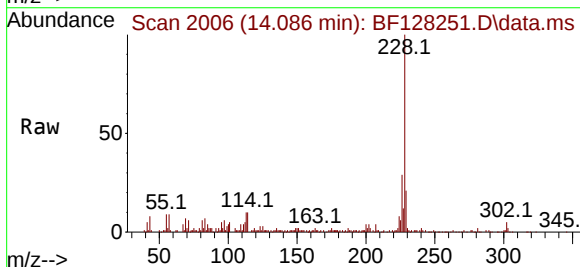
Instrument :
 BNA_F
 ClientSampleId :
 SC-10DL

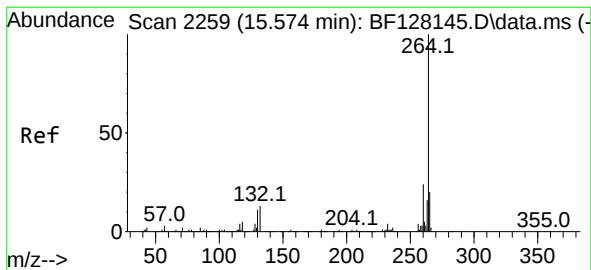
Tgt Ion:244 Resp: 50331
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 9.4 8.6 12.8



#83
 Chrysene
 Concen: 4.143 ng
 RT: 14.086 min Scan# 2006
 Delta R.T. -0.012 min
 Lab File: BF128251.D
 Acq: 13 May 2022 21:06

Tgt Ion:228 Resp: 38240
 Ion Ratio Lower Upper
 228 100
 226 29.2 24.4 36.6
 229 20.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128251.D

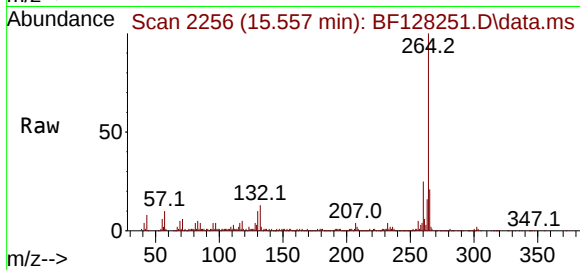
Acq: 13 May 2022 21:06

Instrument :

BNA_F

ClientSampleId :

SC-10DL



Tgt Ion:264 Resp: 125505

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

265 21.5 17.5 26.3

