

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128442.D
 Acq On : 24 May 2022 18:44
 Operator : CG\JU
 Sample : N2981-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13(0.5-1)

Quant Time: May 25 03:55:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 03:52:53 2022
 Response via : Initial Calibration

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

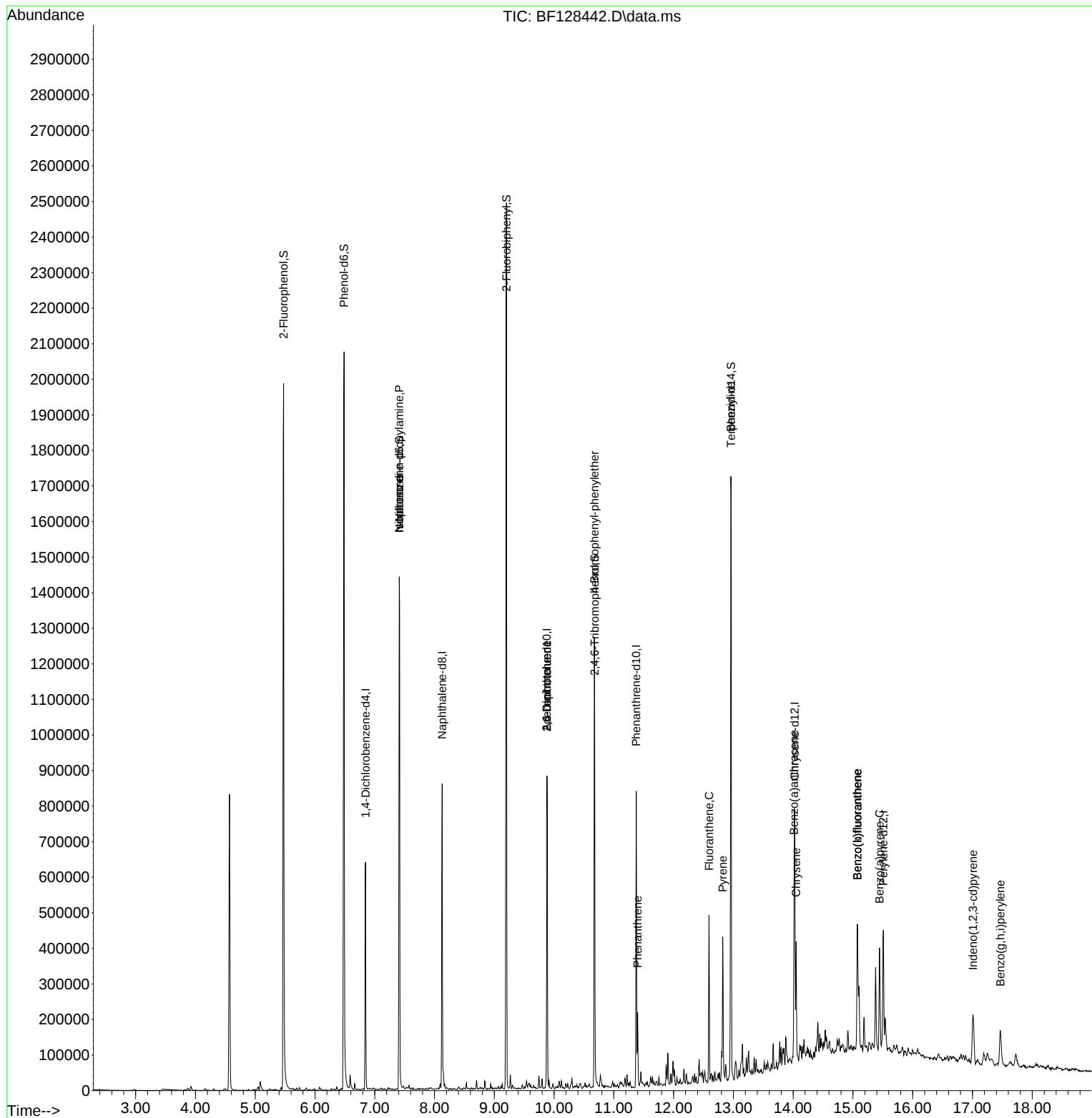
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	92179	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	350647	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	181211	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	276812	20.000	ng	0.00
76) Chrysene-d12	14.027	240	202543	20.000	ng	0.00
86) Perylene-d12	15.510	264	159633	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	562157	97.050	ng	0.00
7) Phenol-d6	6.487	99	732040	95.975	ng	0.00
23) Nitrobenzene-d5	7.410	82	516891	66.047	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	143741	76.915	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	756979	68.313	ng	0.00
79) Terphenyl-d14	12.963	244	606059	57.763	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	115	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	68619	15.042	ng	# 79
25) Isophorone	7.410	82	516880	43.098	ng	# 68
51) 2,6-Dinitrotoluene	9.880	165	24209	9.589	ng	# 21
57) 2,4-Dinitrotoluene	9.880	165	24209	7.611	ng	# 26
67) 4-Bromophenyl-phenylether	10.675	248	8776	3.029	ng	# 1
71) Phenanthrene	11.398	178	70326	5.206	ng	96
75) Fluoranthene	12.592	202	166064	11.351	ng	98
77) Benzidine	12.957	184	9153	2.173	ng	# 92
78) Pyrene	12.821	202	154517	10.189	ng	99
81) Benzo(a)anthracene	14.015	228	135084	10.483	ng	98
83) Chrysene	14.051	228	137036	11.165	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	81965	8.996	ng	96
88) Benzo(b)fluoranthene	15.074	252	259416	26.124	ng	99
89) Benzo(k)fluoranthene	15.074	252	259416	27.892	ng	98
90) Benzo(a)pyrene	15.445	252	135921	17.051	ng	99
92) Benzo(g,h,i)perylene	17.468	276	80653	10.575	ng	99

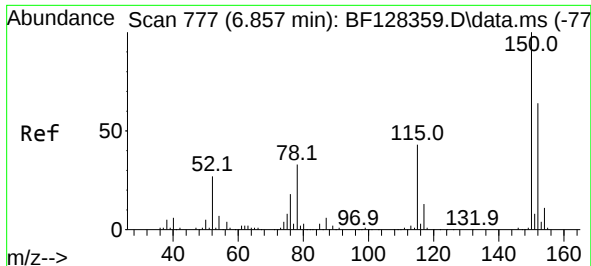
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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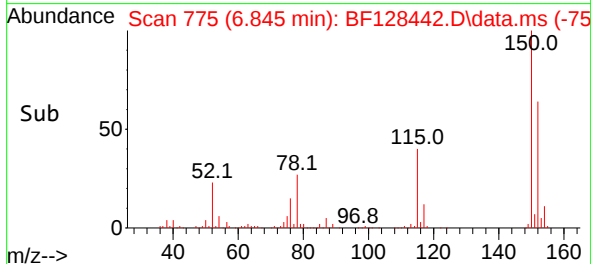
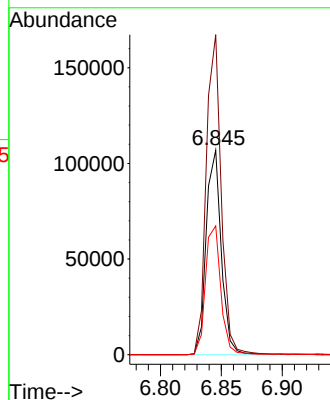
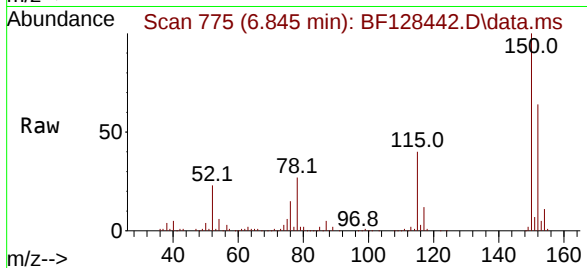




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

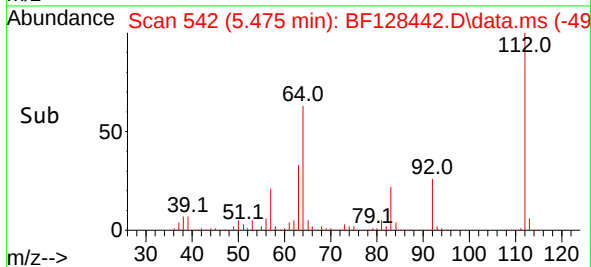
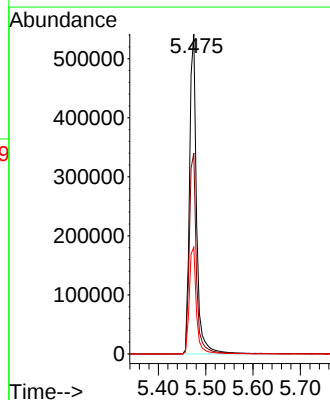
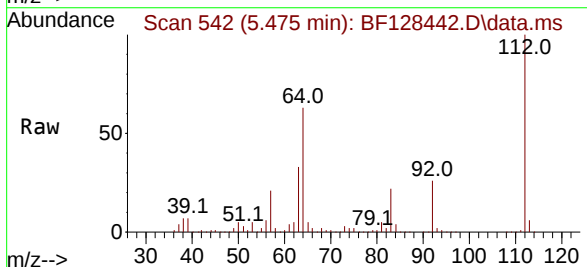
Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

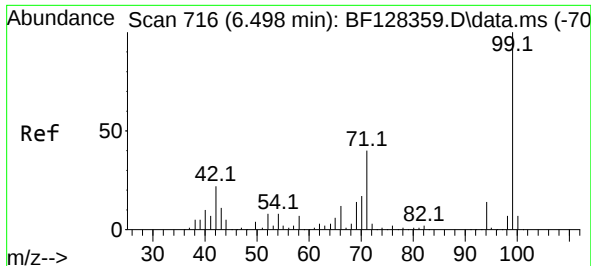
Tgt Ion:152 Resp: 92179
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 63.0 48.8 73.2



#5
2-Fluorophenol
Concen: 97.050 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:112 Resp: 562157
Ion Ratio Lower Upper
112 100
64 62.8 49.5 74.3
63 33.4 26.3 39.5

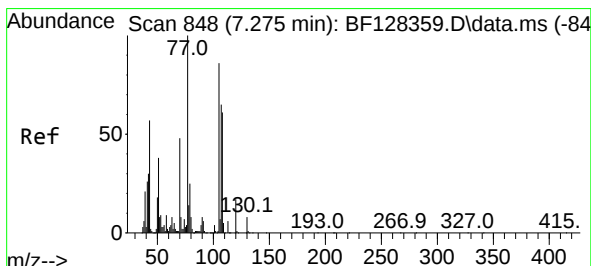
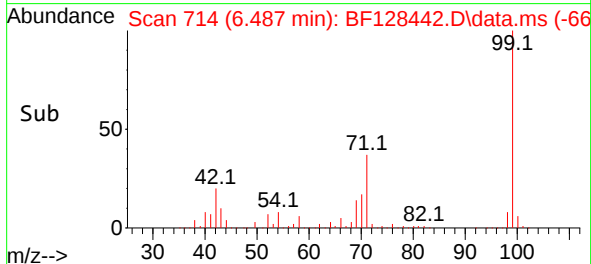
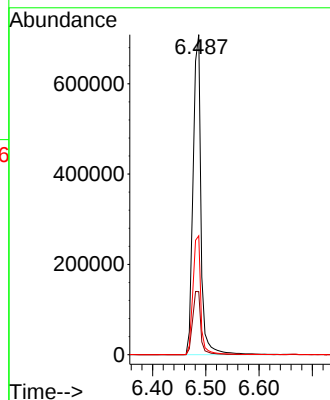
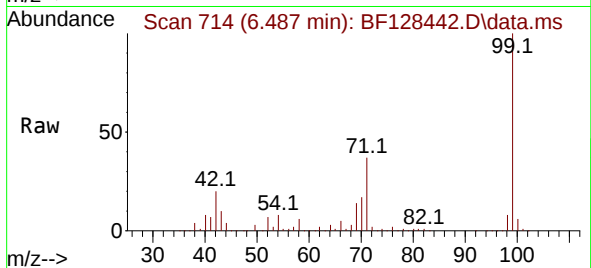




#7
Phenol-d6
Concen: 95.975 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

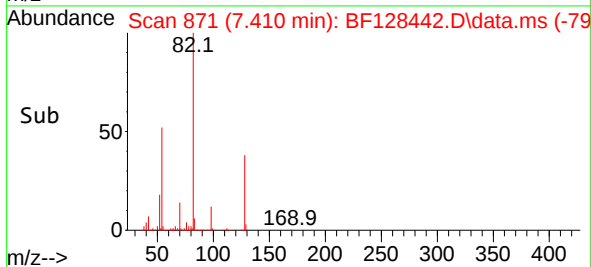
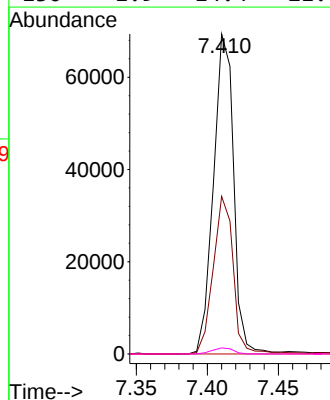
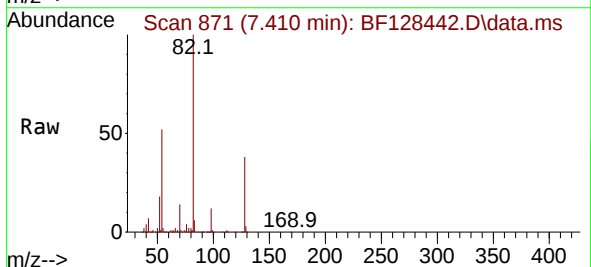
Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

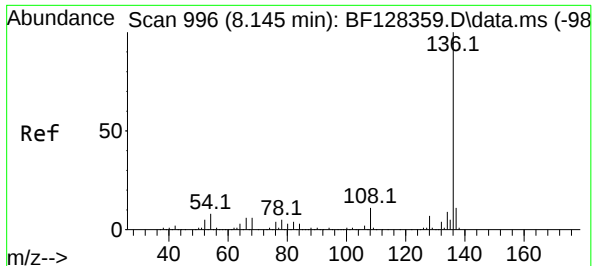
Tgt Ion: 99 Resp: 732040
Ion Ratio Lower Upper
99 100
42 19.7 16.6 24.8
71 37.1 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.042 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.147 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion: 70 Resp: 68619
Ion Ratio Lower Upper
70 100
42 49.3 48.7 73.1
101 0.0 7.2 10.8#
130 1.9 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 996

Delta R.T. -0.000 min

Lab File: BF128442.D

Acq: 24 May 2022 18:44

Instrument :

BNA_F

ClientSampleId :

SB-13(0.5-1)

Tgt Ion:136 Resp: 350647

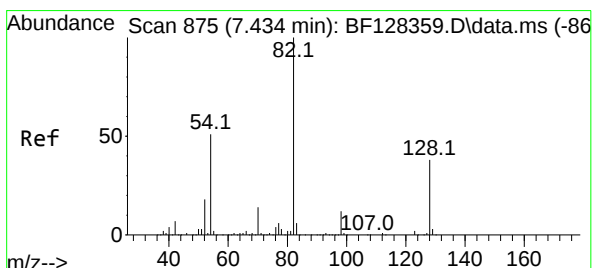
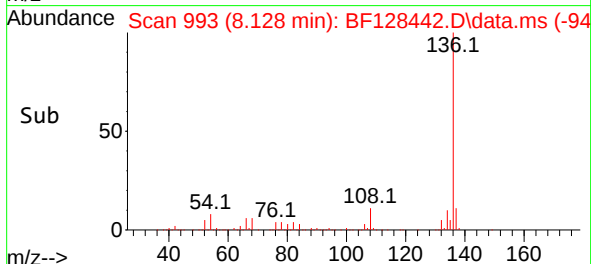
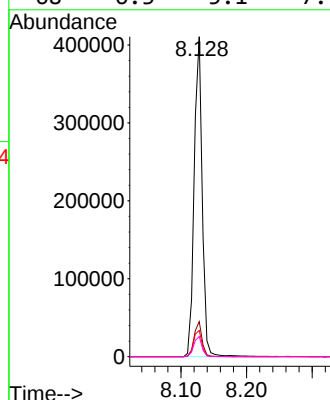
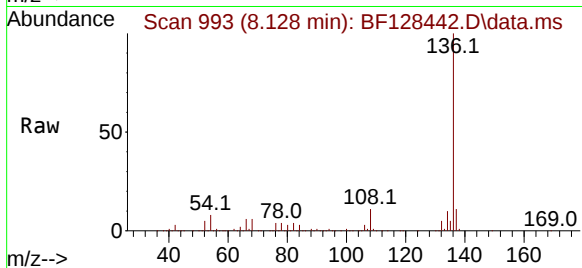
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.2 6.8 10.2

68 6.3 5.1 7.7



#23

Nitrobenzene-d5

Concen: 66.047 ng

RT: 7.410 min Scan# 871

Delta R.T. -0.012 min

Lab File: BF128442.D

Acq: 24 May 2022 18:44

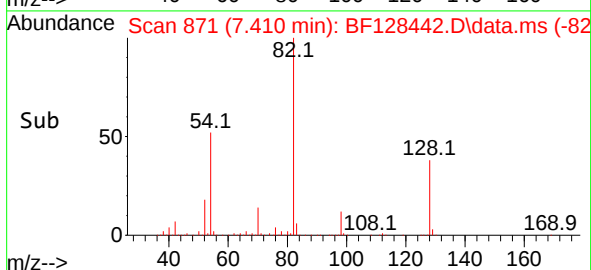
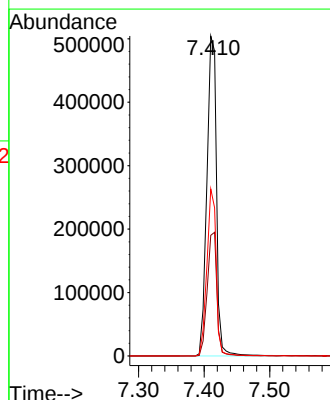
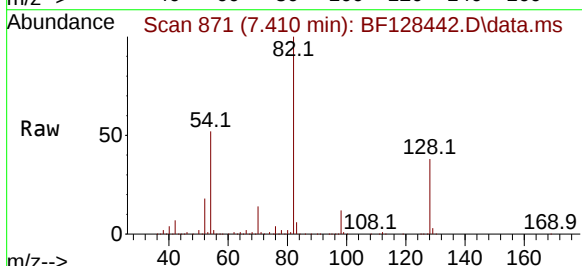
Tgt Ion: 82 Resp: 516891

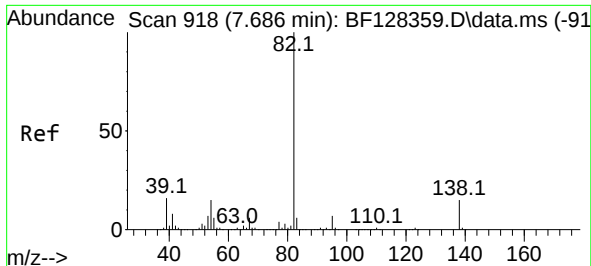
Ion Ratio Lower Upper

82 100

128 37.7 30.0 45.0

54 52.2 41.3 61.9

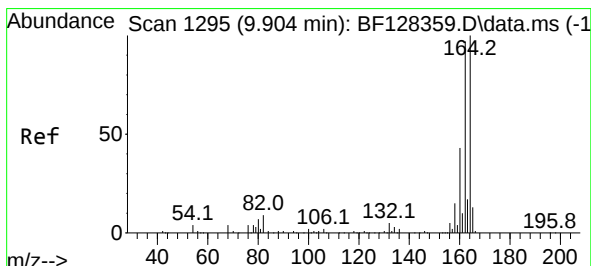
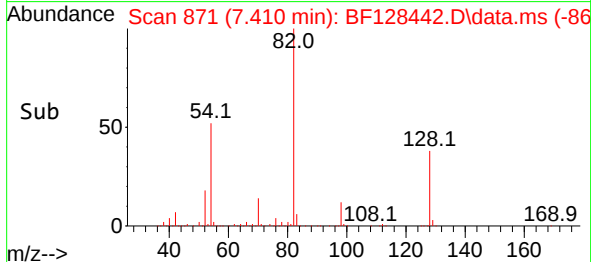
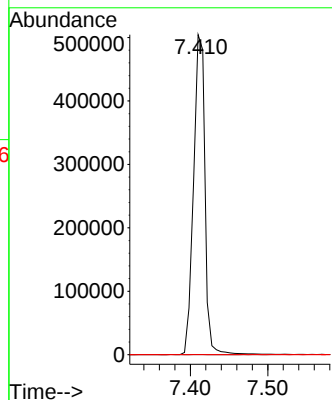
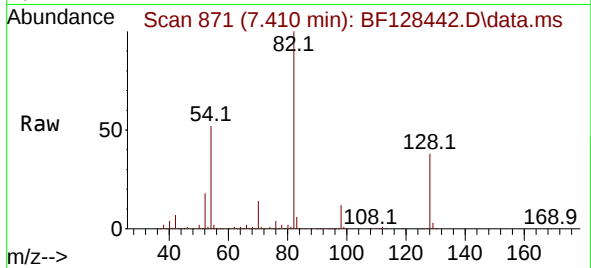




#25
Isophorone
Concen: 43.098 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

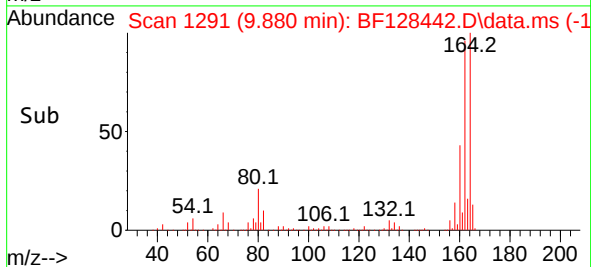
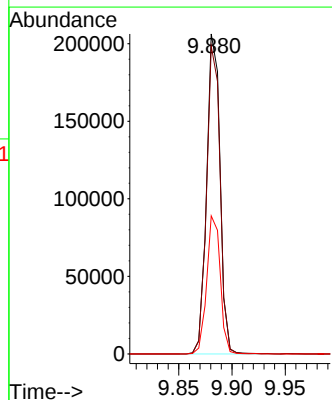
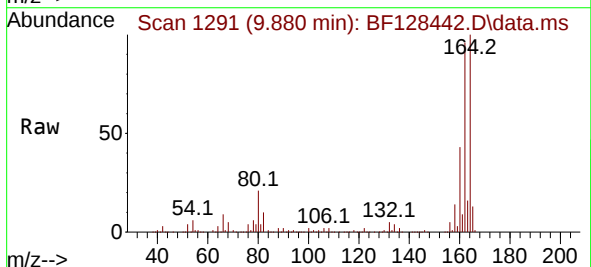
Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

Tgt Ion: 82 Resp: 516880
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: 9.880 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:164 Resp: 181211
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 43.1 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 76.915 ng

RT: 10.680 min Scan# 1430

Delta R.T. -0.006 min

Lab File: BF128442.D

Acq: 24 May 2022 18:44

Instrument :

BNA_F

ClientSampleId :

SB-13(0.5-1)

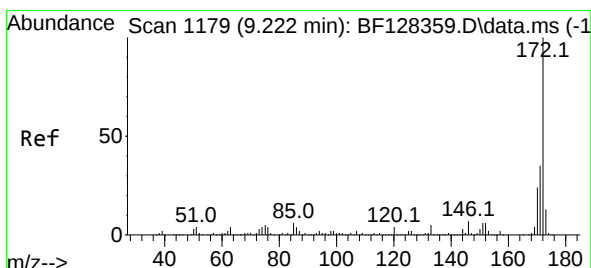
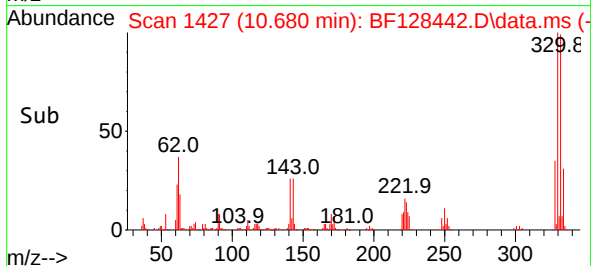
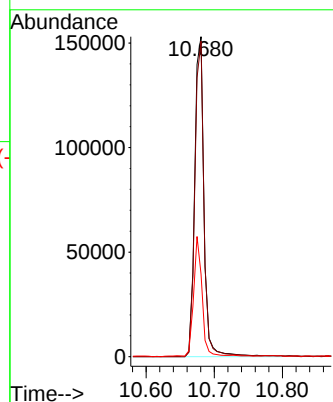
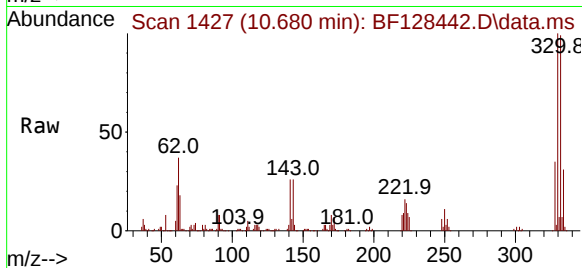
Tgt Ion:330 Resp: 143741

Ion Ratio Lower Upper

330 100

332 97.3 79.0 118.4

141 35.1 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 68.313 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF128442.D

Acq: 24 May 2022 18:44

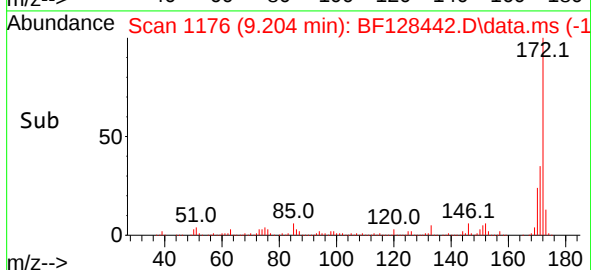
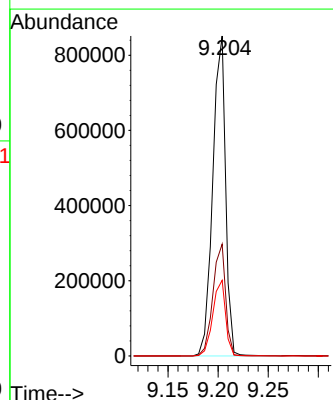
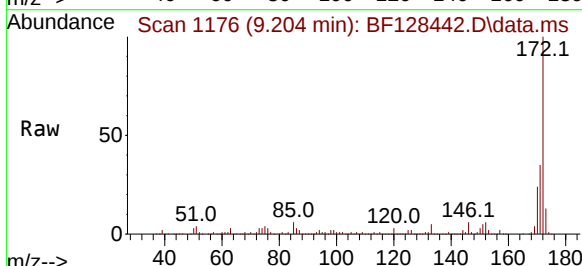
Tgt Ion:172 Resp: 756979

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.7 19.1 28.7

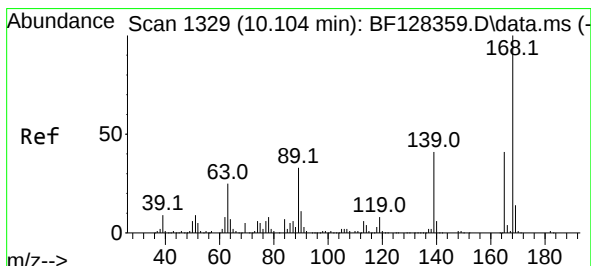
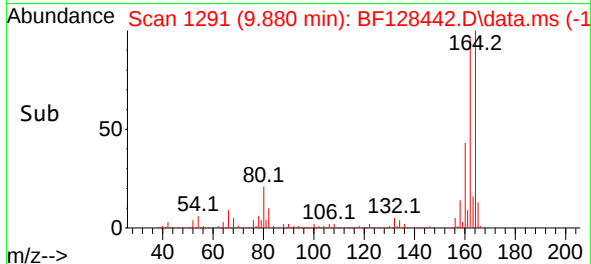
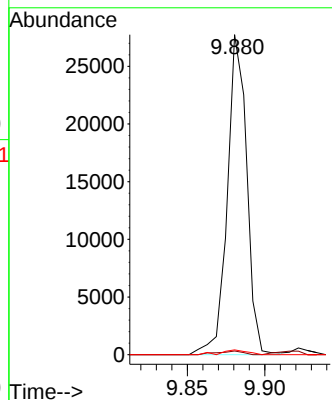
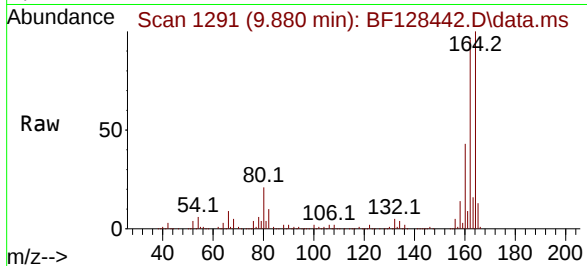




#51
2,6-Dinitrotoluene
Concen: 9.589 ng
RT: 9.880 min Scan# 1291
Delta R.T. 0.200 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

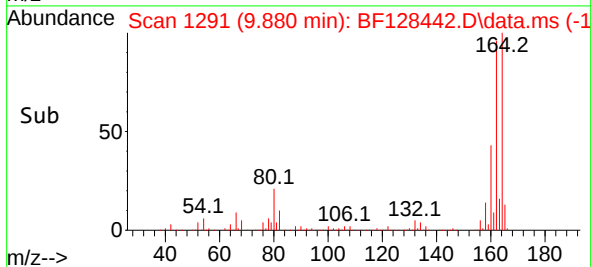
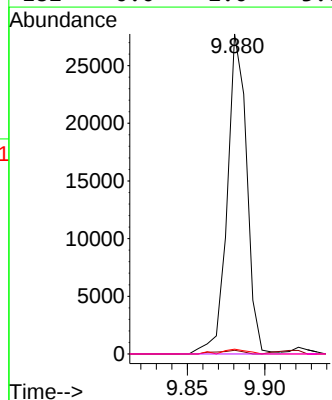
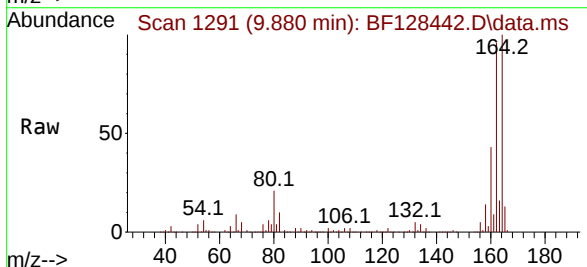
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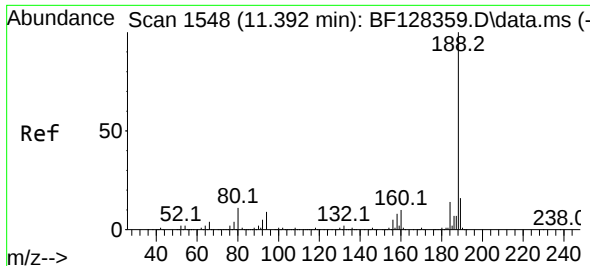
Tgt Ion:165 Resp: 24209
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.5 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 7.611 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.212 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:165 Resp: 24209
Ion Ratio Lower Upper
165 100
63 1.1 32.6 49.0#
89 1.5 55.2 82.8#
182 0.0 2.0 3.0#

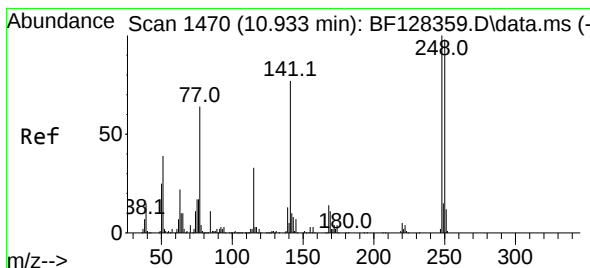
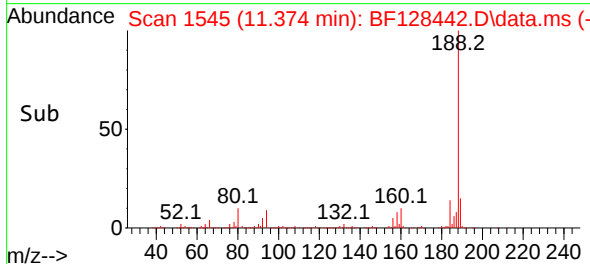
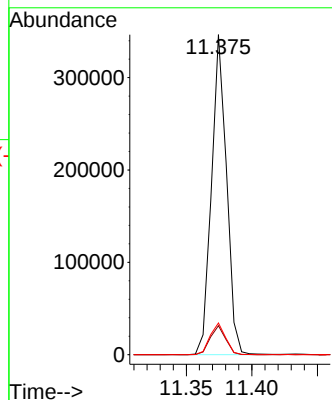
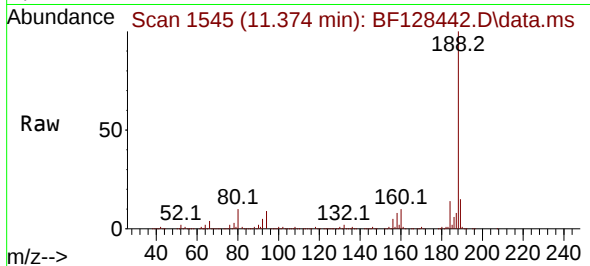




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

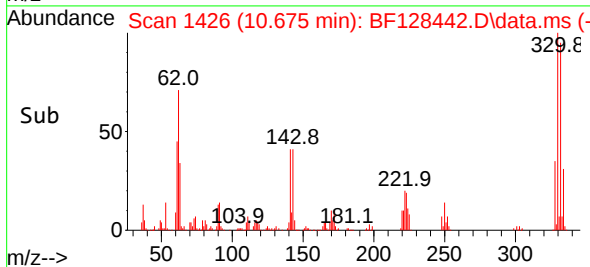
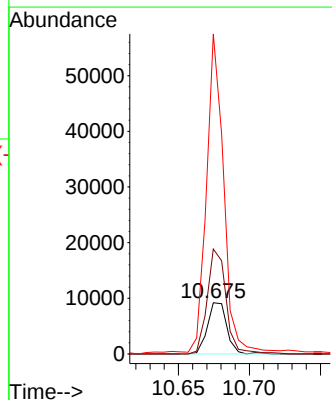
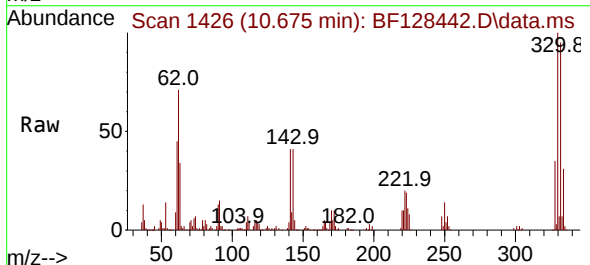
Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

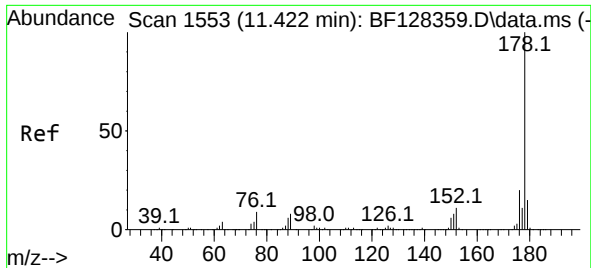
Tgt Ion:188 Resp: 276812
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 9.9 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.029 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.241 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:248 Resp: 8776
Ion Ratio Lower Upper
248 100
250 204.9 77.7 116.5#
141 624.4 65.6 98.4#

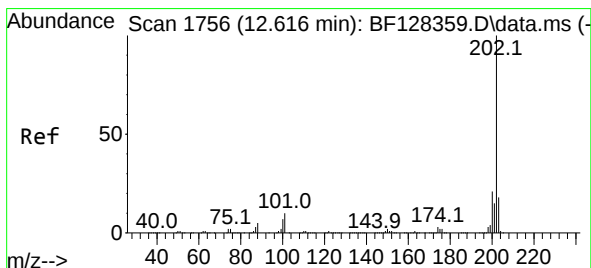
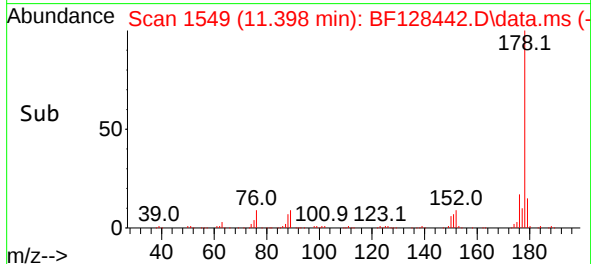
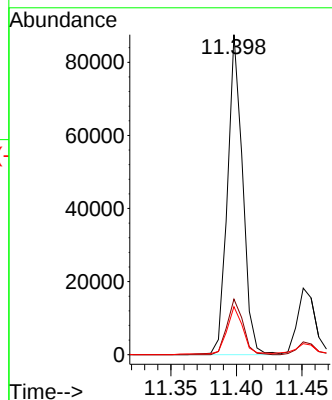
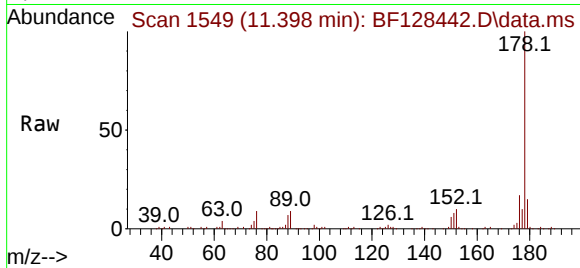




#71
Phenanthrene
Concen: 5.206 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

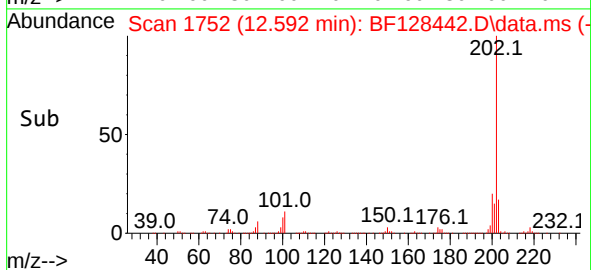
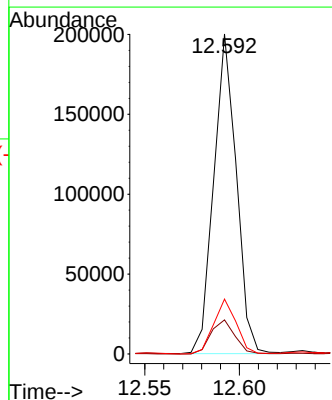
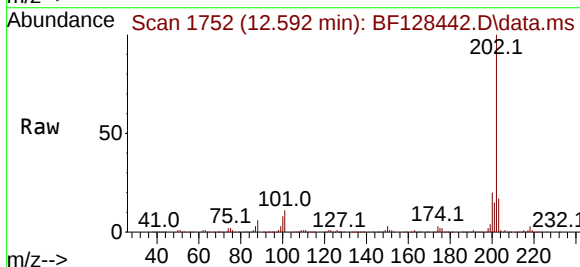
Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

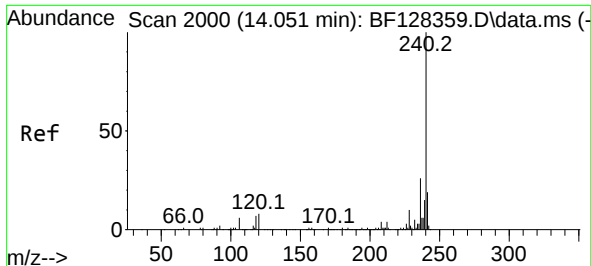
Tgt Ion:178 Resp: 70326
Ion Ratio Lower Upper
178 100
176 17.3 15.7 23.5
179 15.0 12.6 19.0



#75
Fluoranthene
Concen: 11.351 ng
RT: 12.592 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:202 Resp: 166064
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.6
203 17.1 0.0 38.1

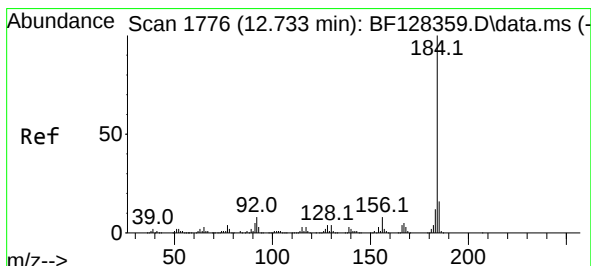
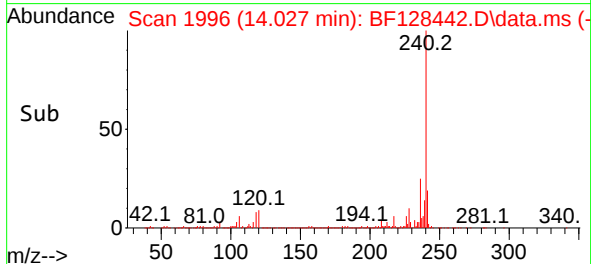
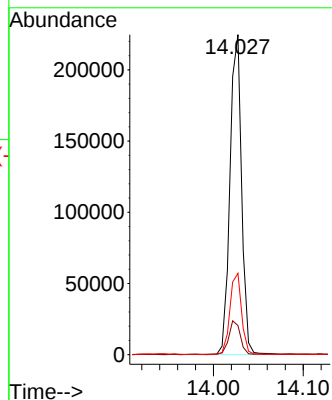
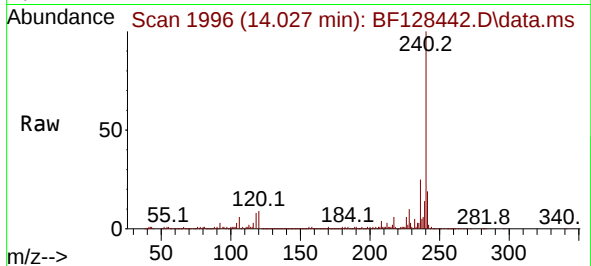




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

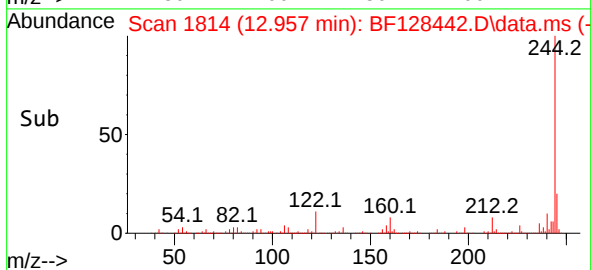
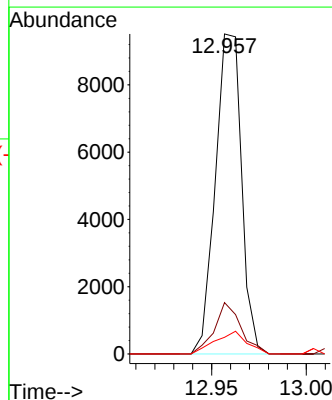
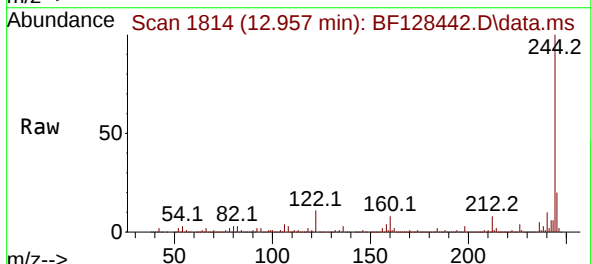
Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

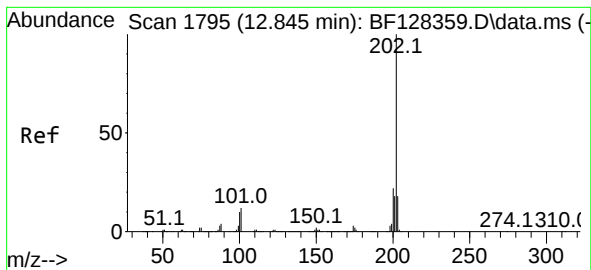
Tgt Ion:240 Resp: 202543
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.4 20.3 30.5



#77
Benzidine
Concen: 2.173 ng
RT: 12.957 min Scan# 1814
Delta R.T. 0.235 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:184 Resp: 9153
Ion Ratio Lower Upper
184 100
185 16.0 12.1 18.1
183 5.2 9.0 13.4#





#78

Pyrene

Concen: 10.189 ng

RT: 12.821 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128442.D

Acq: 24 May 2022 18:44

Instrument :

BNA_F

ClientSampleId :

SB-13(0.5-1)

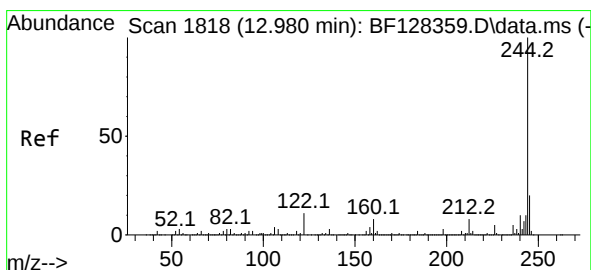
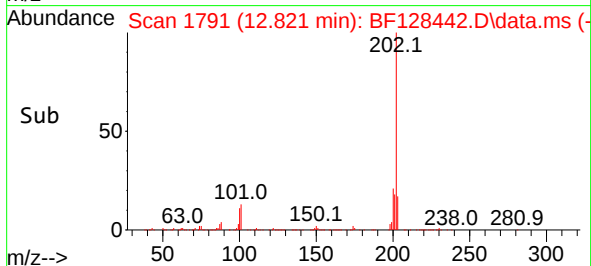
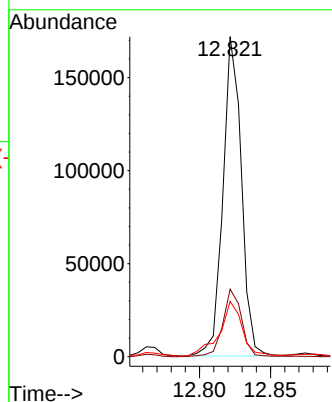
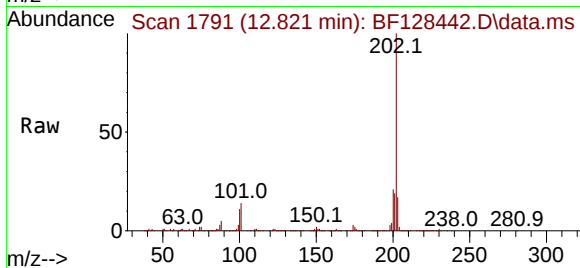
Tgt Ion:202 Resp: 154517

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 17.3 14.0 21.0



#79

Terphenyl-d14

Concen: 57.763 ng

RT: 12.963 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF128442.D

Acq: 24 May 2022 18:44

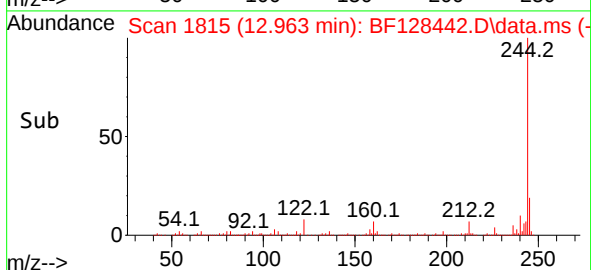
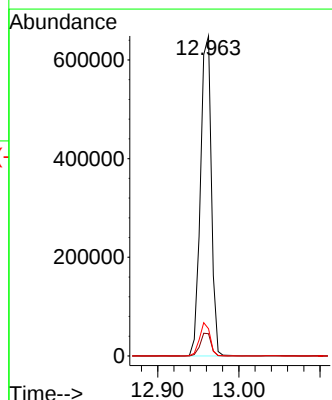
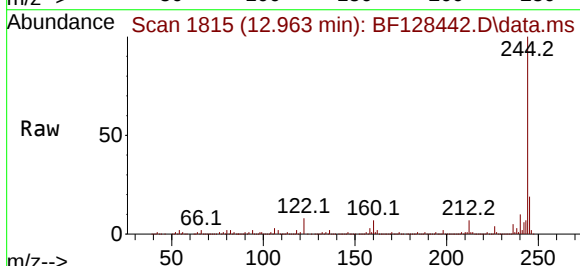
Tgt Ion:244 Resp: 606059

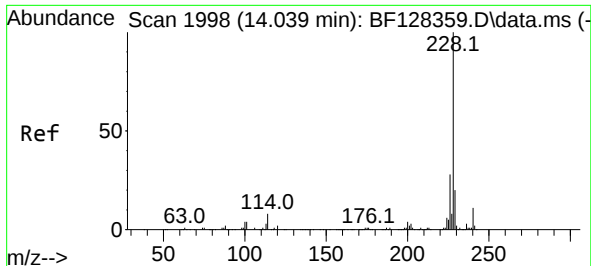
Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.4

122 8.5 8.6 12.8#

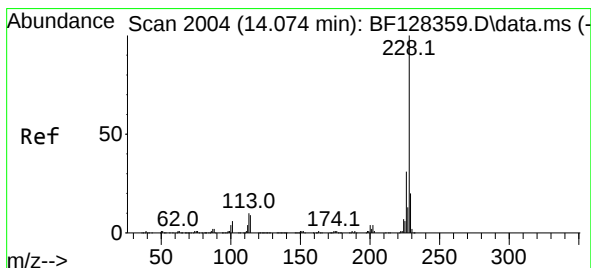
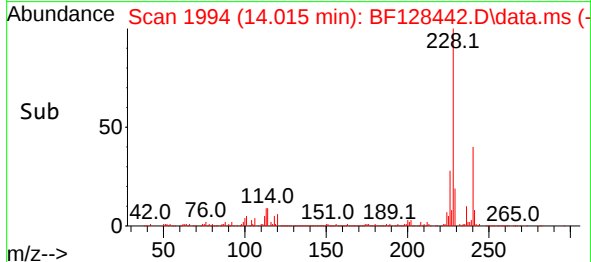
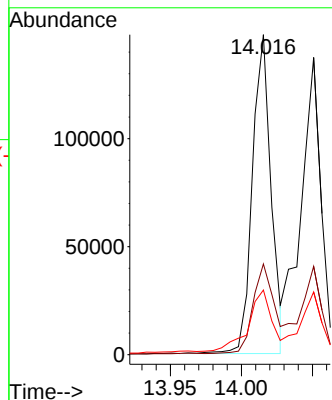
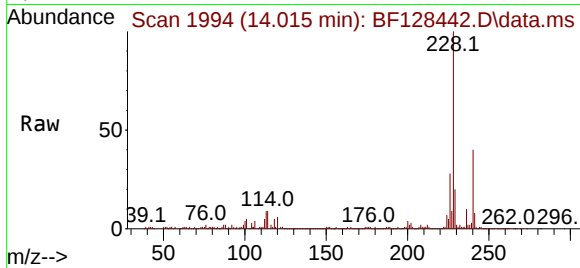




#81
Benzo(a)anthracene
Concen: 10.483 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

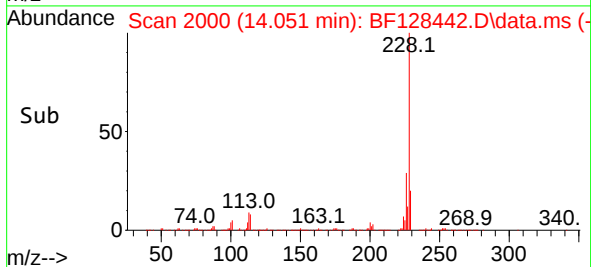
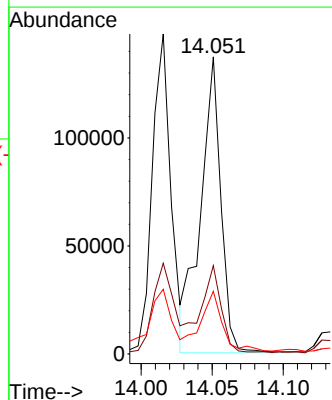
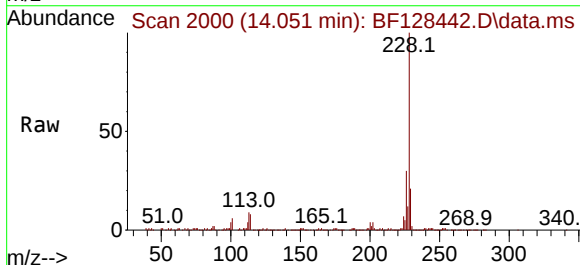
Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

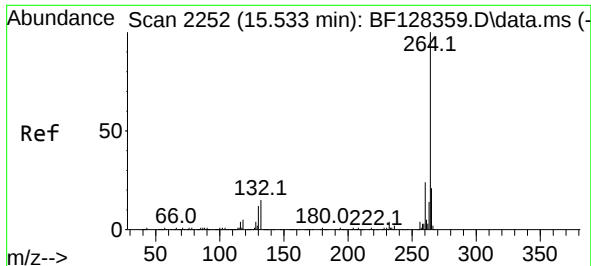
Tgt Ion:228 Resp: 135084
Ion Ratio Lower Upper
228 100
226 28.3 21.7 32.5
229 20.2 15.4 23.2



#83
Chrysene
Concen: 11.165 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:228 Resp: 137036
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 21.1 15.8 23.8

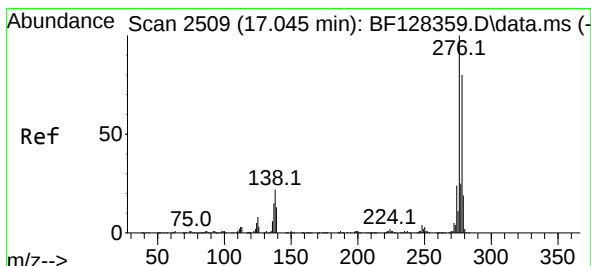
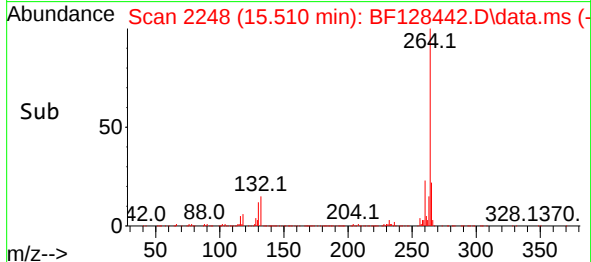
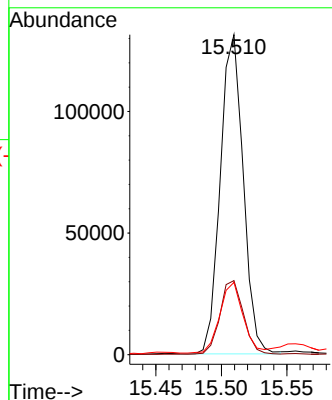
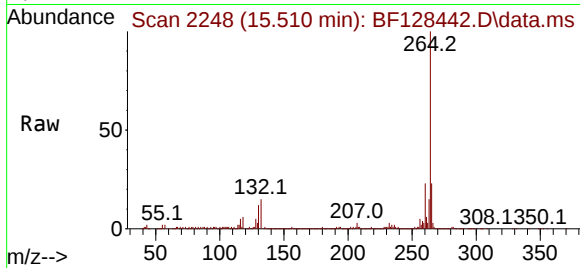




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

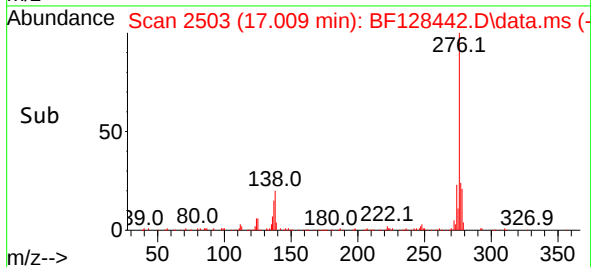
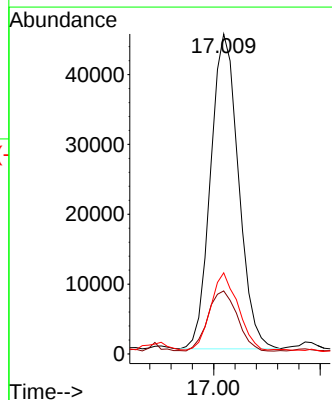
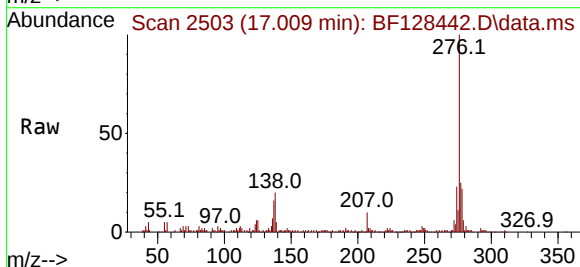
Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

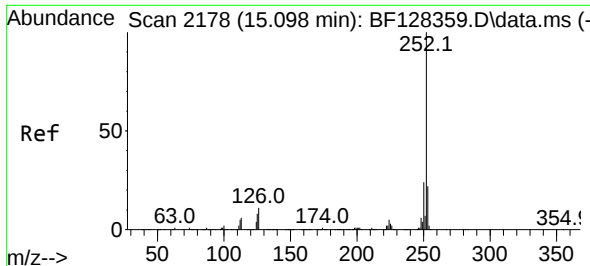
Tgt Ion:264 Resp: 159633
Ion Ratio Lower Upper
264 100
260 23.1 20.1 30.1
265 22.6 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.996 ng
RT: 17.009 min Scan# 2503
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:276 Resp: 81965
Ion Ratio Lower Upper
276 100
138 21.2 19.0 28.4
277 24.0 20.1 30.1

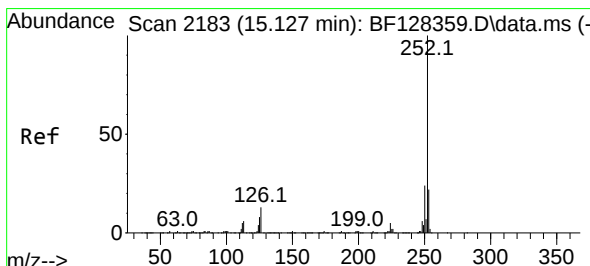
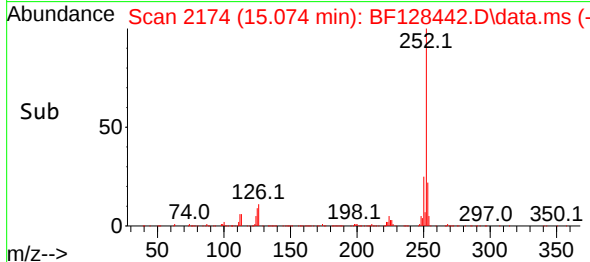
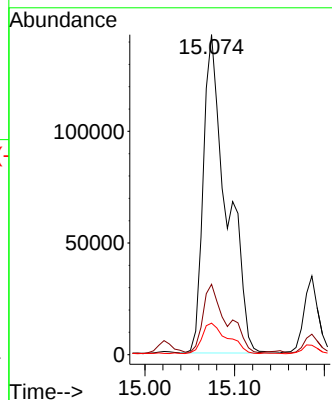
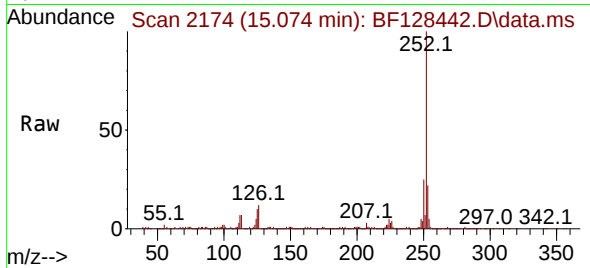




#88
Benzo(b)fluoranthene
Concen: 26.124 ng
RT: 15.074 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

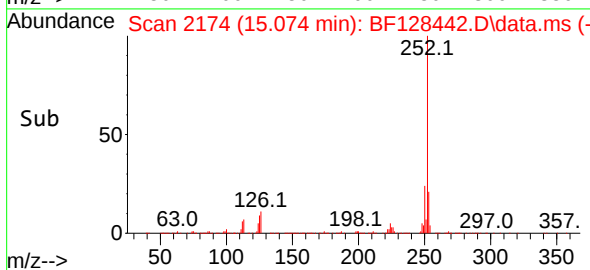
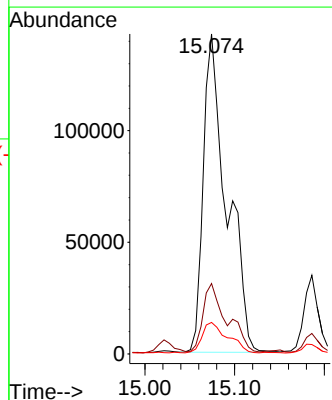
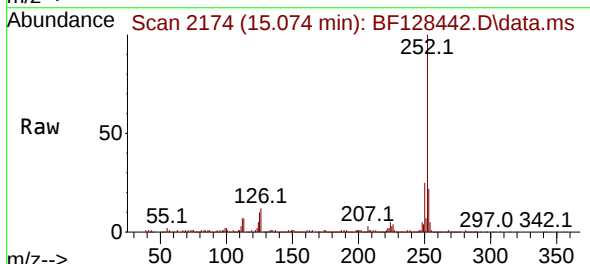
Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

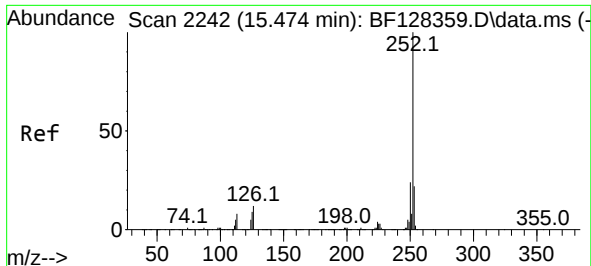
Tgt Ion:252 Resp: 259416
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 9.9 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 27.892 ng
RT: 15.074 min Scan# 2174
Delta R.T. -0.029 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:252 Resp: 259416
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.4
125 9.9 6.8 10.2

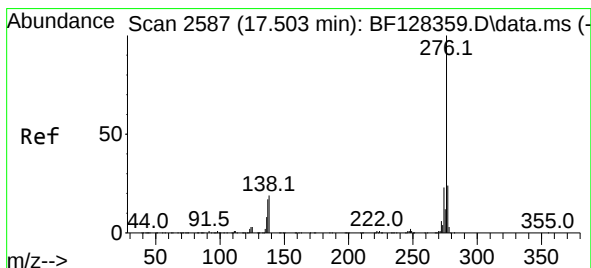
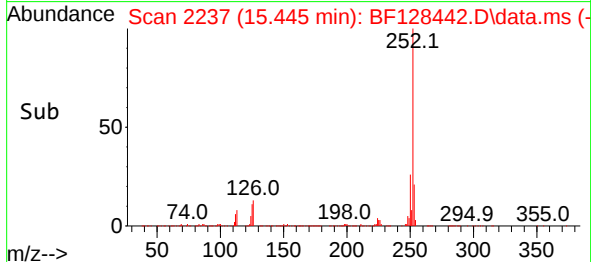
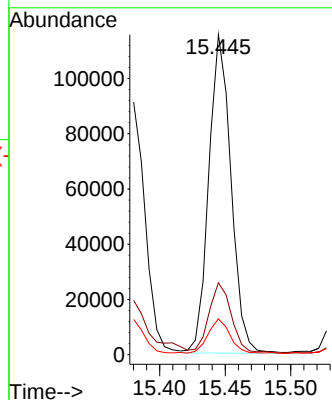
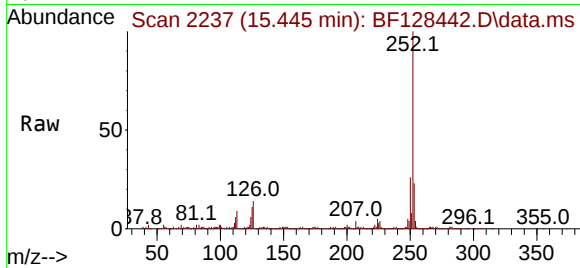




#90
Benzo(a)pyrene
Concen: 17.051 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Instrument :
BNA_F
ClientSampleId :
SB-13(0.5-1)

Tgt Ion:252 Resp: 135921
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.2 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 10.575 ng
RT: 17.468 min Scan# 2581
Delta R.T. -0.006 min
Lab File: BF128442.D
Acq: 24 May 2022 18:44

Tgt Ion:276 Resp: 80653
Ion Ratio Lower Upper
276 100
277 22.5 18.8 28.2
138 20.4 16.2 24.2

