

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128438.D
 Acq On : 24 May 2022 16:46
 Operator : CG\JU
 Sample : N2981-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(0.5-1)

Quant Time: May 25 03:55:32 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)

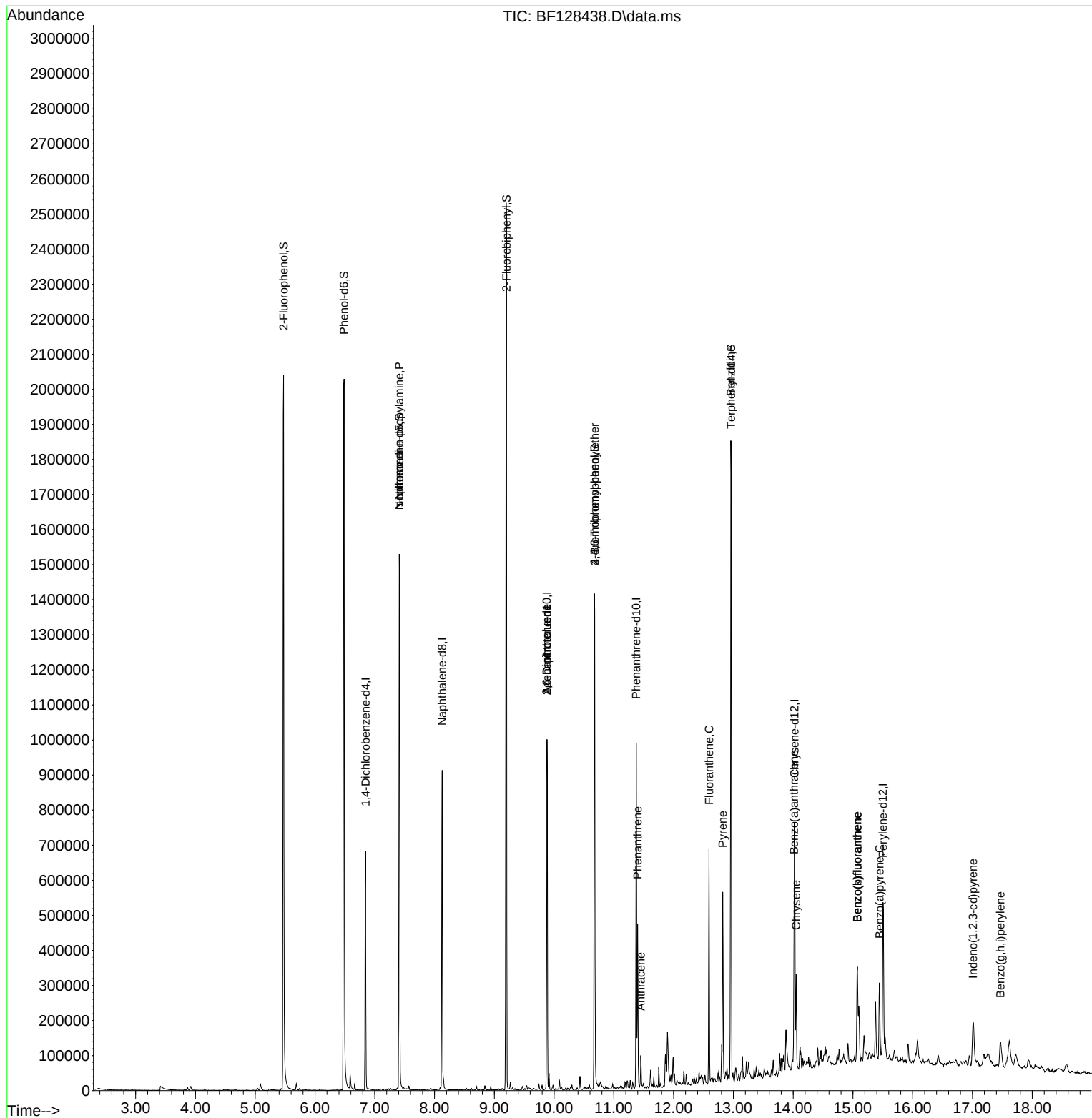
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	97200	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	376834	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	207550	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	336178	20.000	ng	0.00
76) Chrysene-d12	14.021	240	200746	20.000	ng	#-0.01
86) Perylene-d12	15.504	264	215145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	584505	95.696	ng	0.00
7) Phenol-d6	6.487	99	755617	93.949	ng	0.00
23) Nitrobenzene-d5	7.410	82	541281	64.358	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	178670	83.473	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	818335	64.479	ng	0.00
79) Terphenyl-d14	12.963	244	636401	61.198	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.434	77	621	Below Cal	#	67
19) n-Nitroso-di-n-propyla...	7.410	70	72380	15.047	ng	# 80
25) Isophorone	7.410	82	541276	41.996	ng	# 68
51) 2,6-Dinitrotoluene	9.880	165	27071	9.362	ng	# 21
57) 2,4-Dinitrotoluene	9.880	165	27071	7.431	ng	# 26
67) 4-Bromophenyl-phenylether	10.680	248	10781	3.064	ng	# 1
71) Phenanthrene	11.398	178	155763	9.494	ng	100
72) Anthracene	11.451	178	33126	2.032	ng	98
75) Fluoranthene	12.592	202	240147	13.516	ng	97
77) Benzidine	12.957	184	8954	2.145	ng	# 94
78) Pyrene	12.821	202	202975	13.504	ng	100
81) Benzo(a)anthracene	14.015	228	110179	8.626	ng	97
83) Chrysene	14.051	228	106367	8.744	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	63643	5.183	ng	94
88) Benzo(b)fluoranthene	15.074	252	200718	14.998	ng	97
89) Benzo(k)fluoranthene	15.074	252	200718	16.012	ng	# 96
90) Benzo(a)pyrene	15.445	252	106104	9.876	ng	98
92) Benzo(g,h,i)perylene	17.468	276	56023	5.450	ng	97

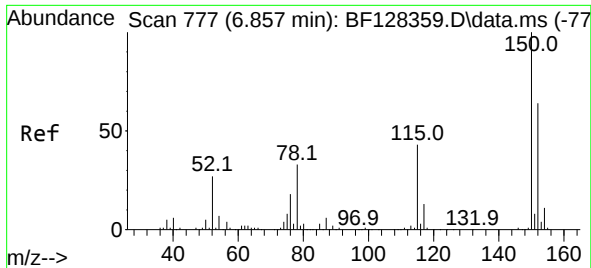
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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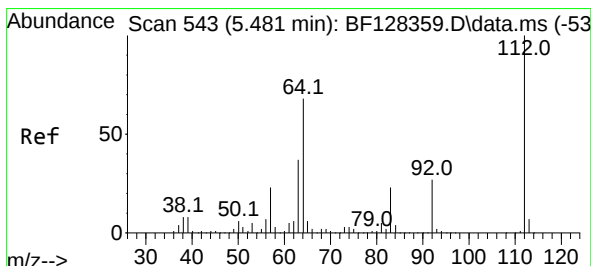
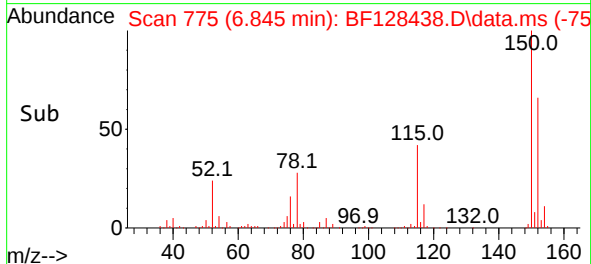
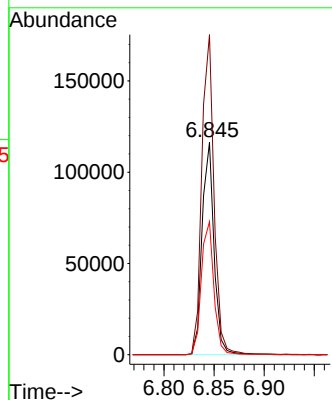
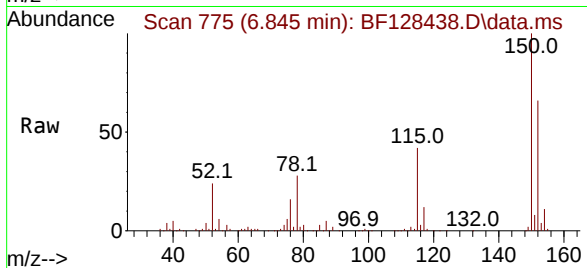




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

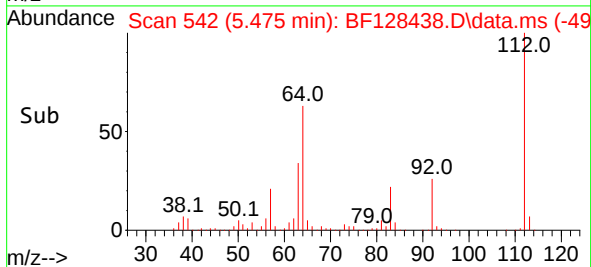
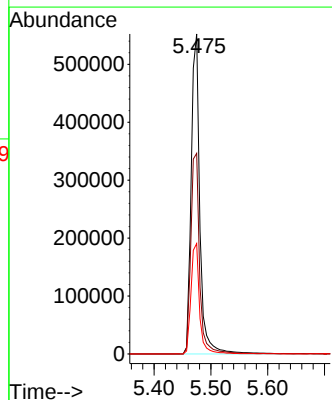
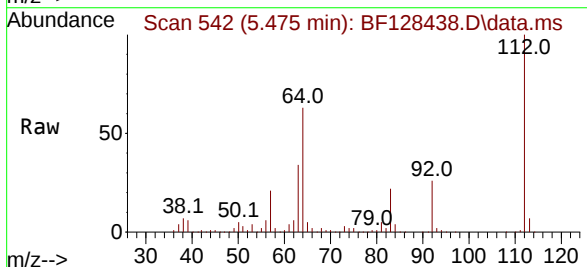
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

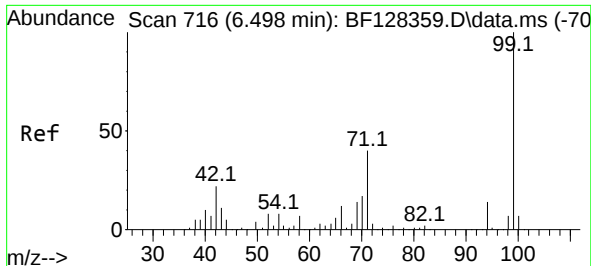
Tgt Ion:152 Resp: 97200
Ion Ratio Lower Upper
152 100
150 150.7 125.3 187.9
115 62.6 48.8 73.2



#5
2-Fluorophenol
Concen: 95.696 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:112 Resp: 584505
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 34.5 26.3 39.5

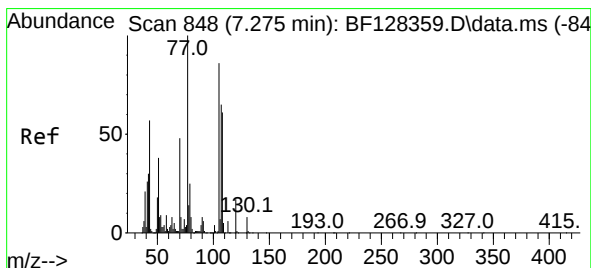
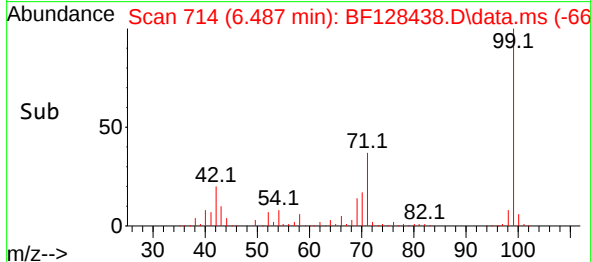
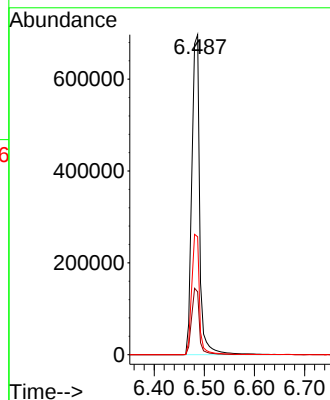
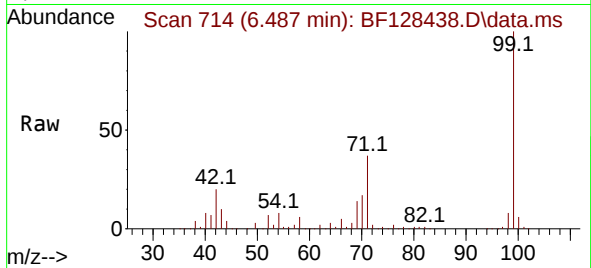




#7
Phenol-d6
Concen: 93.949 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

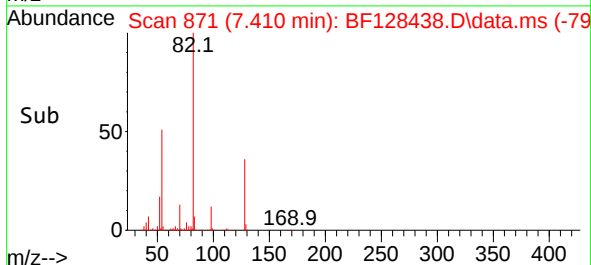
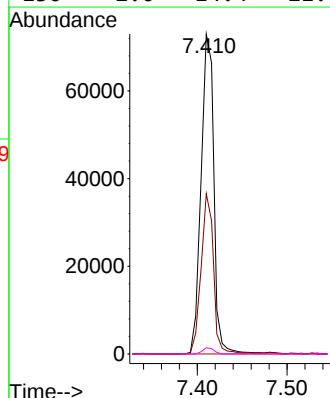
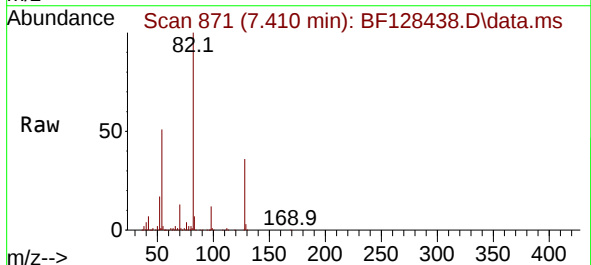
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

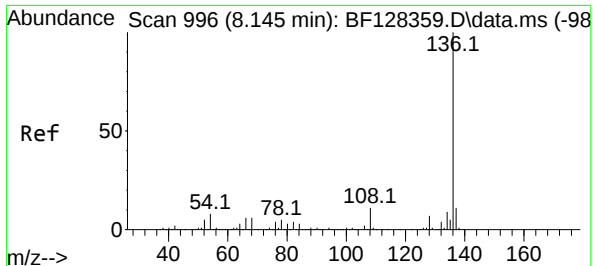
Tgt Ion: 99 Resp: 755617
Ion Ratio Lower Upper
99 100
42 19.7 16.6 24.8
71 36.8 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.047 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.147 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion: 70 Resp: 72380
Ion Ratio Lower Upper
70 100
42 50.1 48.7 73.1
101 0.0 7.2 10.8#
130 2.0 14.4 21.6#

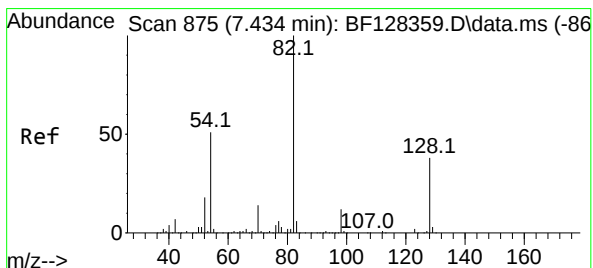
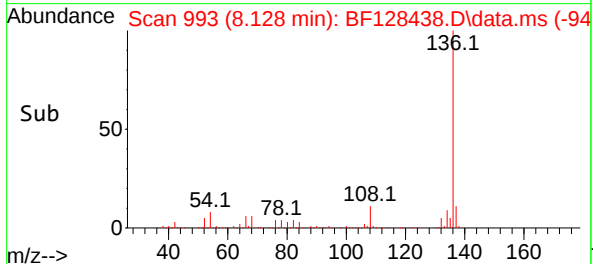
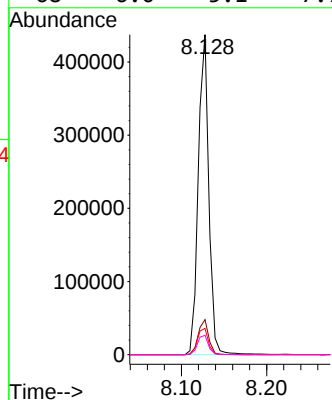
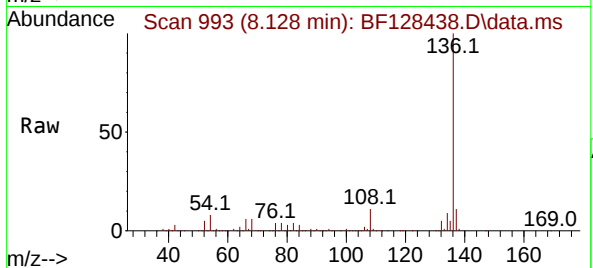




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

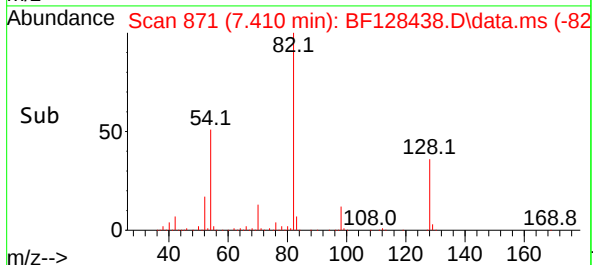
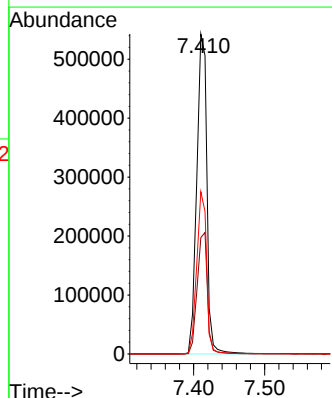
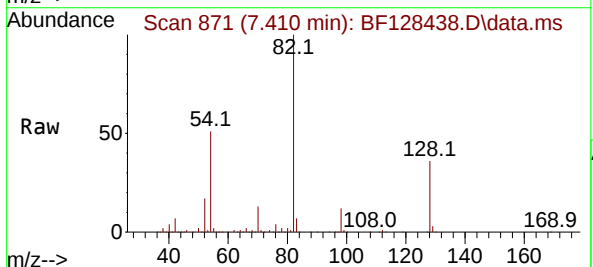
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

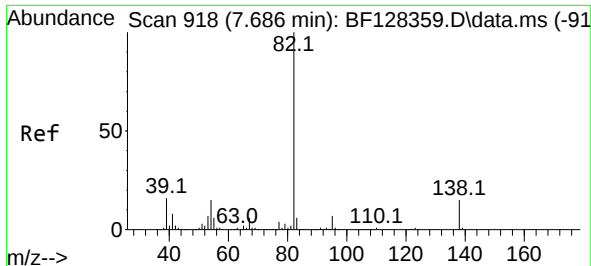
Tgt Ion:136 Resp: 376834
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.8 10.2
68 6.0 5.1 7.7



#23
Nitrobenzene-d5
Concen: 64.358 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion: 82 Resp: 541281
Ion Ratio Lower Upper
82 100
128 36.3 30.0 45.0
54 50.7 41.3 61.9

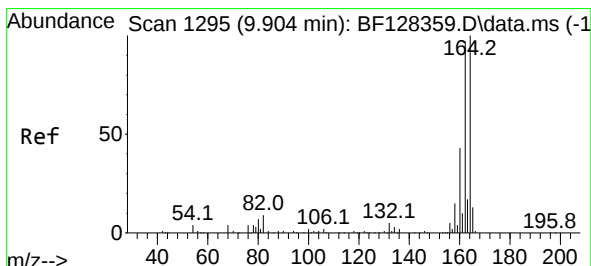
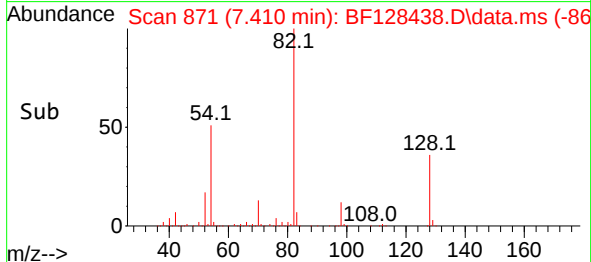
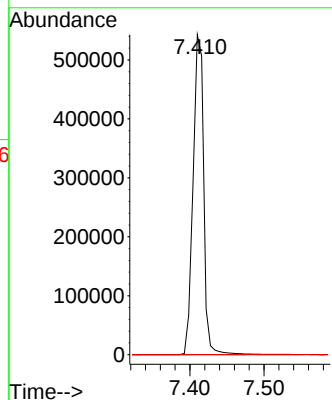
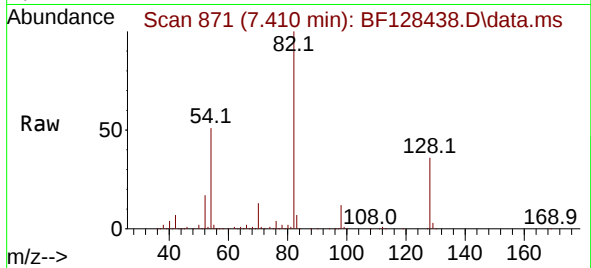




#25
Isophorone
Concen: 41.996 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

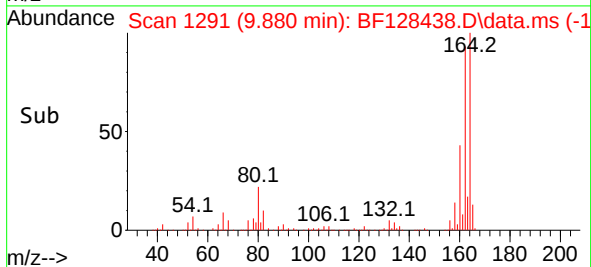
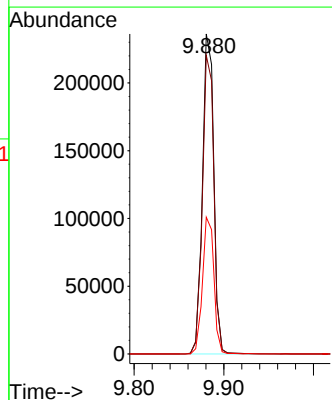
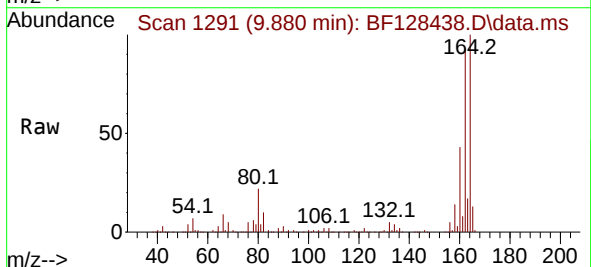
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

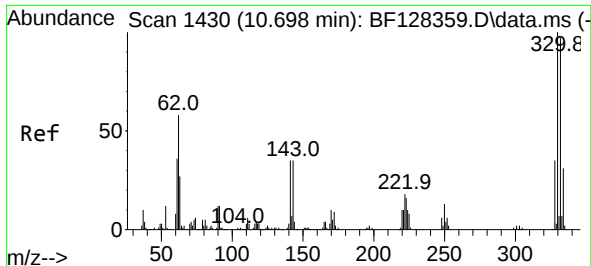
Tgt Ion: 82 Resp: 541276
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion: 164 Resp: 207550
Ion Ratio Lower Upper
164 100
162 93.3 76.0 114.0
160 42.7 34.8 52.2

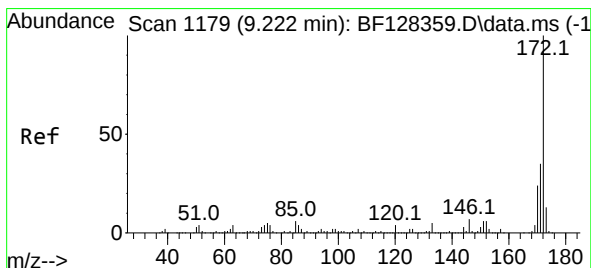
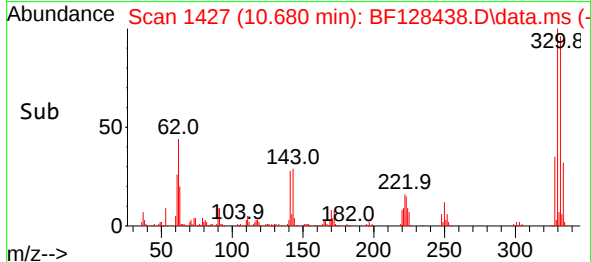
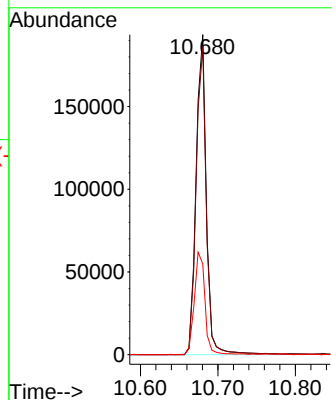
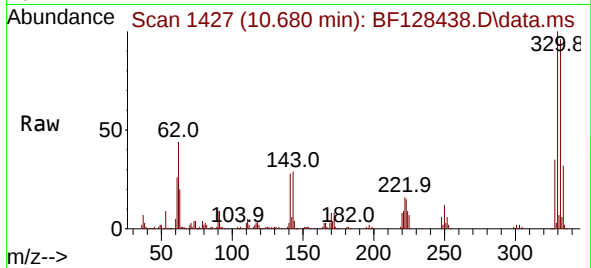




#42
2,4,6-Tribromophenol
Concen: 83.473 ng
RT: 10.680 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

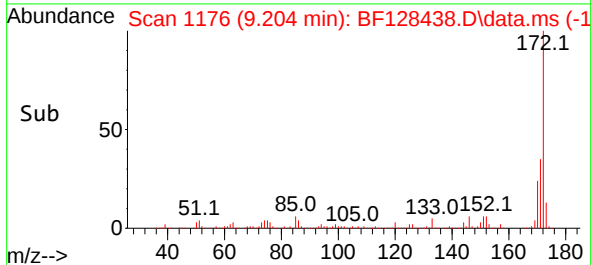
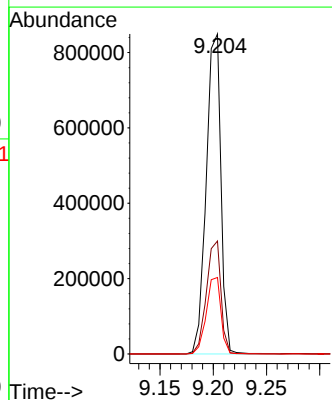
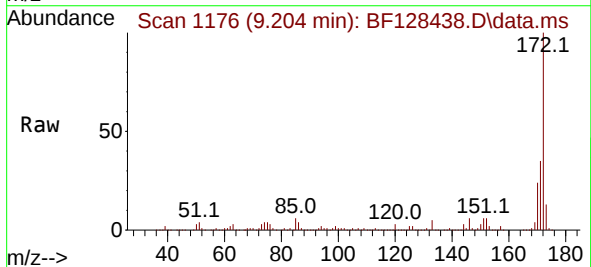
Instrument :
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ClientSampleId :
SB-15(0.5-1)

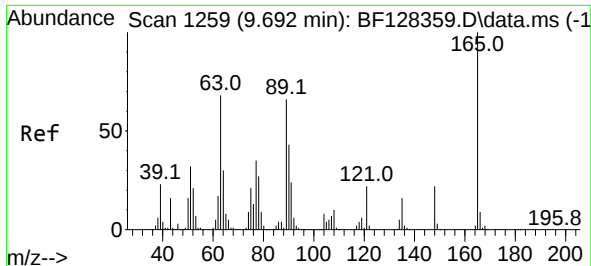
Tgt Ion:330 Resp: 178670
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.4
141 33.4 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 64.479 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:172 Resp: 818335
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.9 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.362 ng

RT: 9.880 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF128438.D

Acq: 24 May 2022 16:46

Instrument :

BNA_F

ClientSampleId :

SB-15(0.5-1)

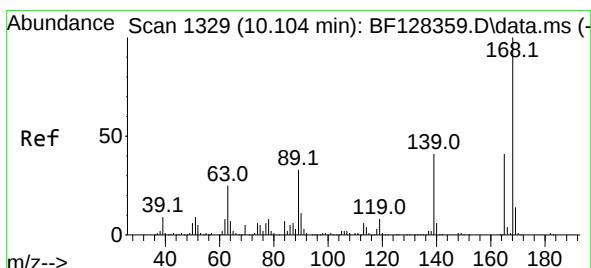
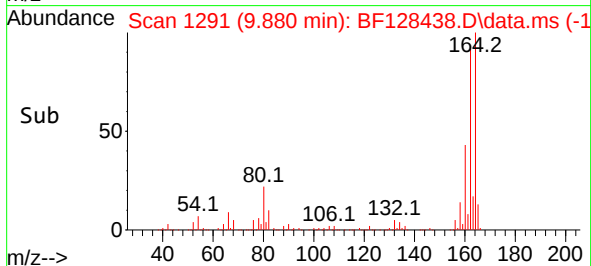
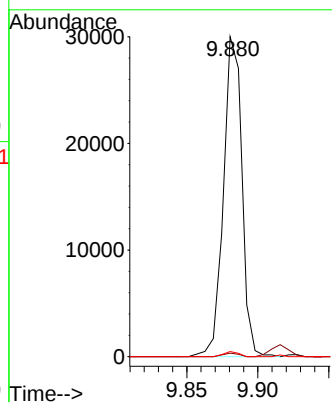
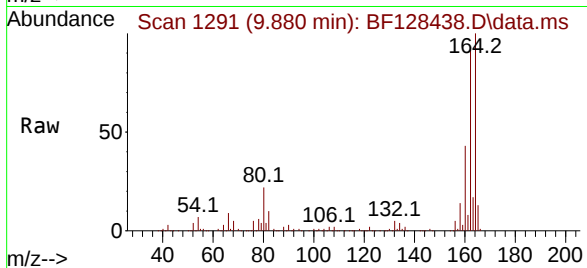
Tgt Ion:165 Resp: 27071

Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.6 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 7.431 ng

RT: 9.880 min Scan# 1291

Delta R.T. -0.212 min

Lab File: BF128438.D

Acq: 24 May 2022 16:46

Tgt Ion:165 Resp: 27071

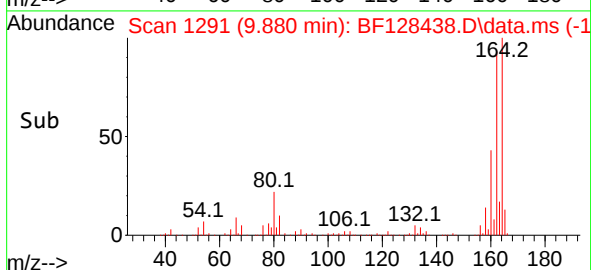
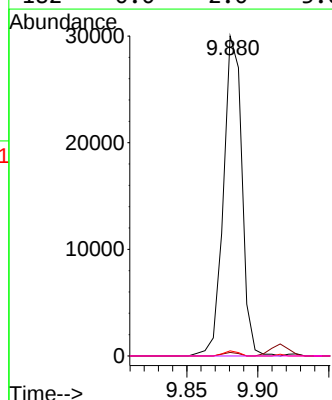
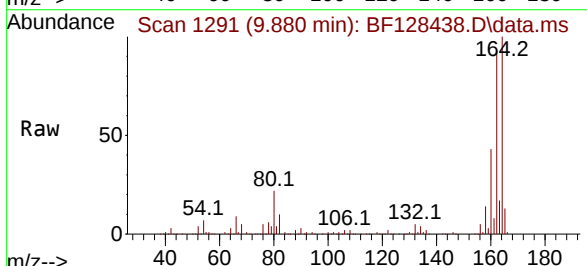
Ion Ratio Lower Upper

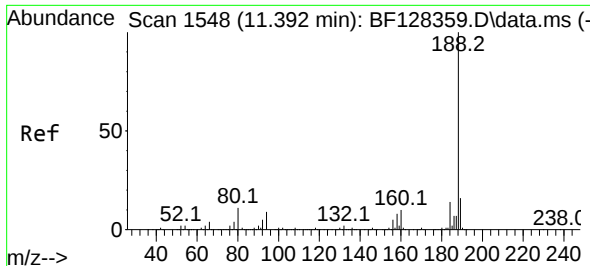
165 100

63 1.1 32.6 49.0#

89 1.6 55.2 82.8#

182 0.0 2.0 3.0#

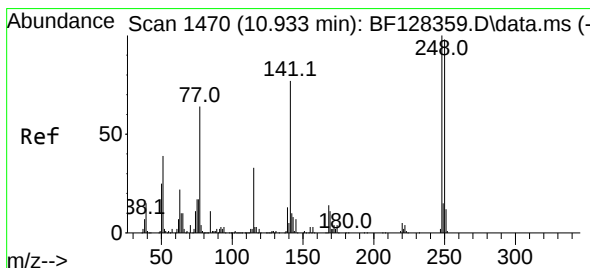
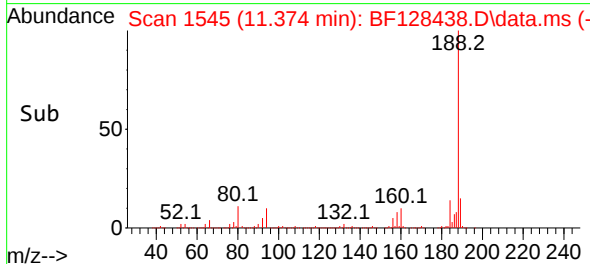
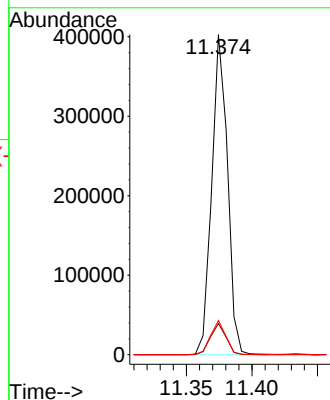
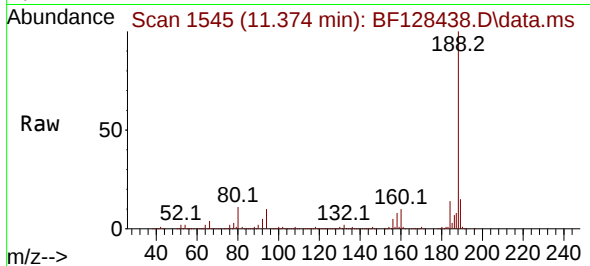




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

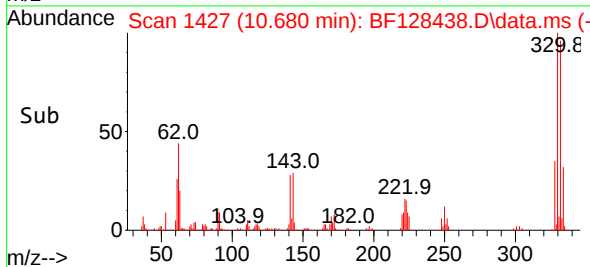
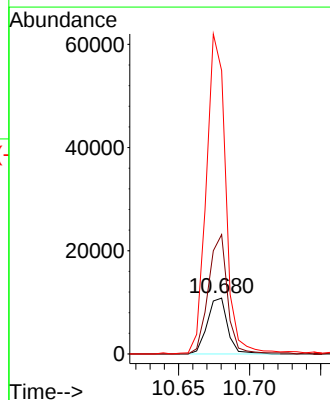
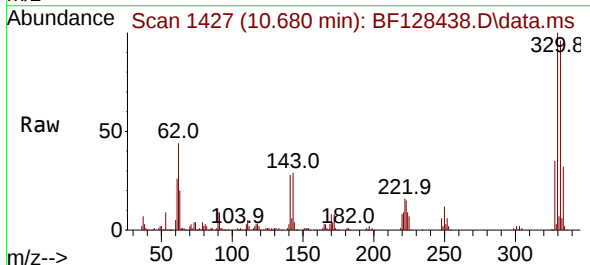
Instrument :
BNA_F
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SB-15(0.5-1)

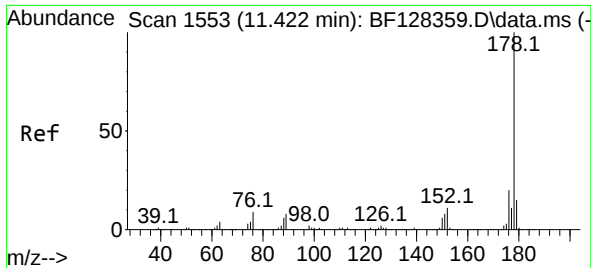
Tgt Ion:188 Resp: 336178
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.7 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.064 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.235 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:248 Resp: 10781
Ion Ratio Lower Upper
248 100
250 213.8 77.7 116.5#
141 507.4 65.6 98.4#

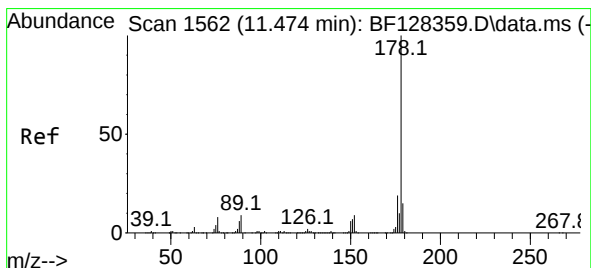
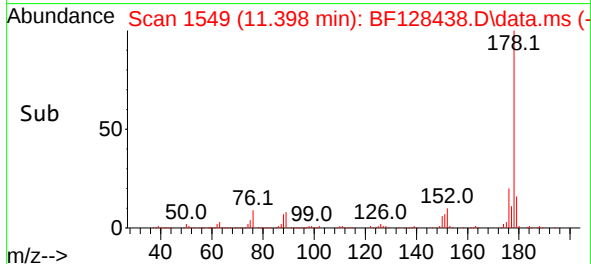
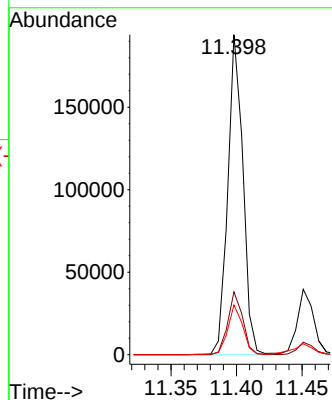
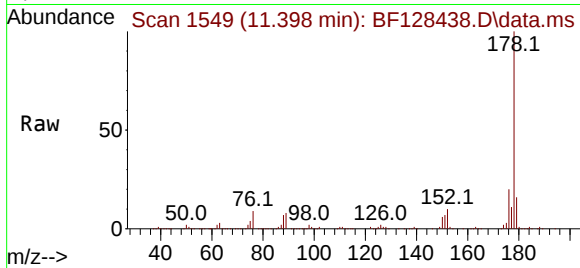




#71
Phenanthrene
Concen: 9.494 ng
RT: 11.398 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

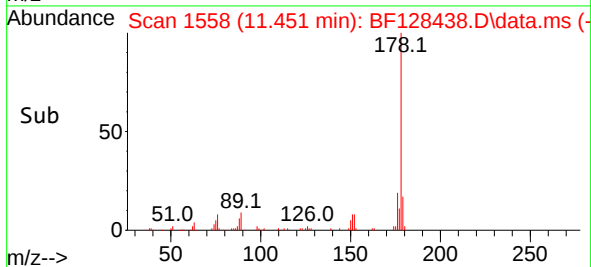
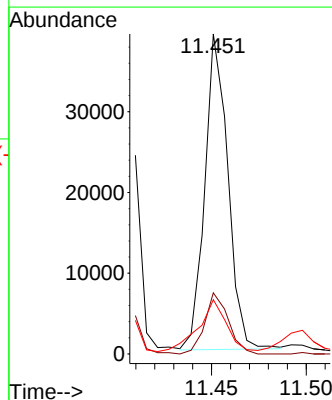
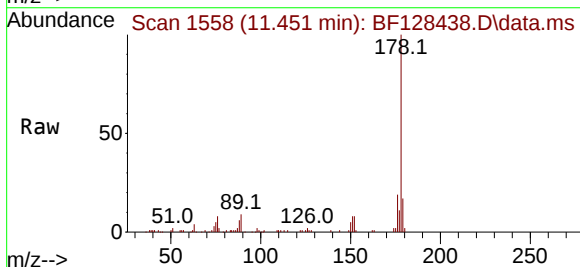
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

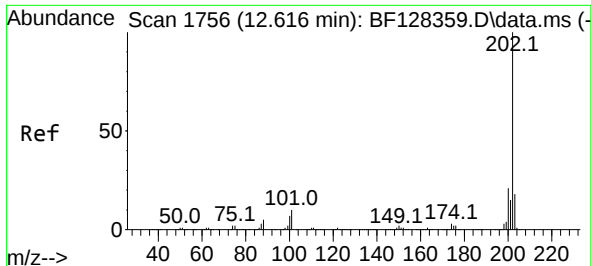
Tgt Ion:178 Resp: 155763
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.6 12.6 19.0



#72
Anthracene
Concen: 2.032 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:178 Resp: 33126
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 16.9 12.4 18.6

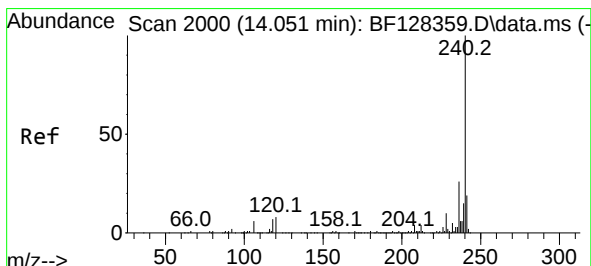
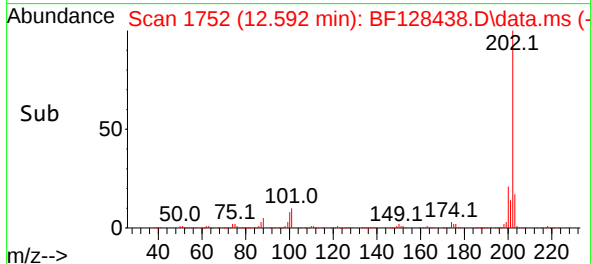
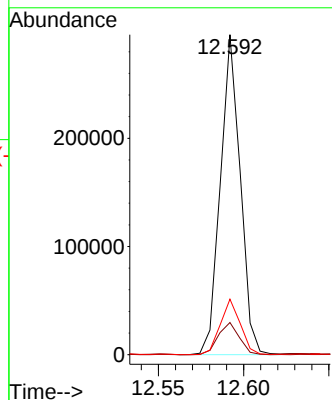
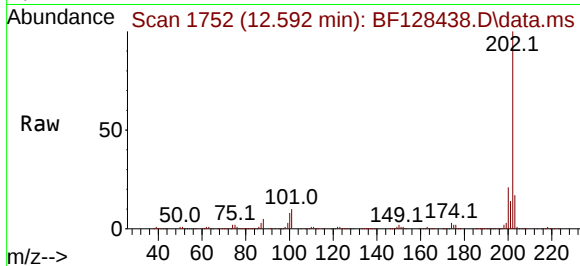




#75
Fluoranthene
Concen: 13.516 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

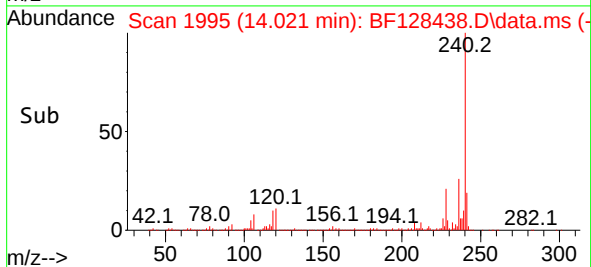
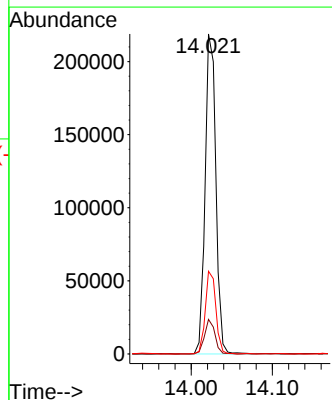
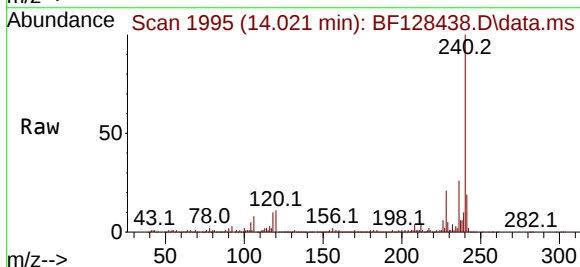
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

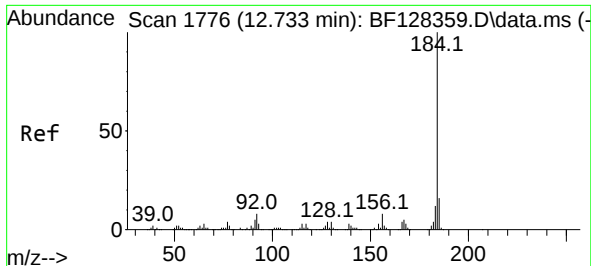
Tgt Ion:202 Resp: 240147
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.6
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:240 Resp: 200746
Ion Ratio Lower Upper
240 100
120 10.8 7.0 10.6#
236 25.8 20.3 30.5

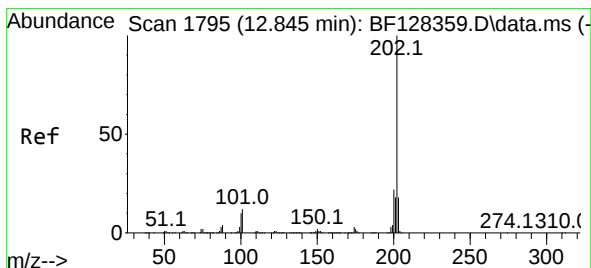
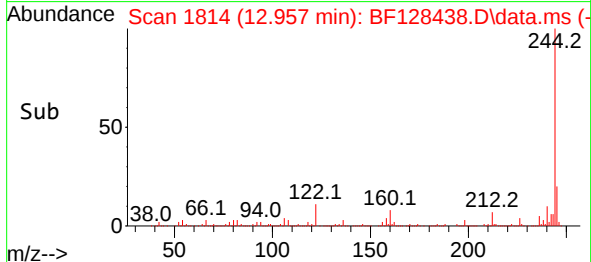
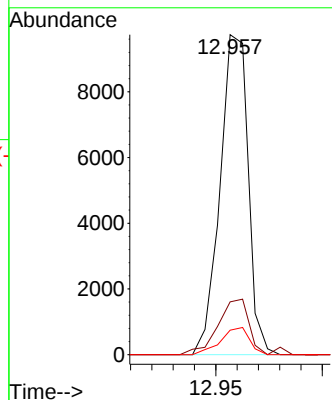
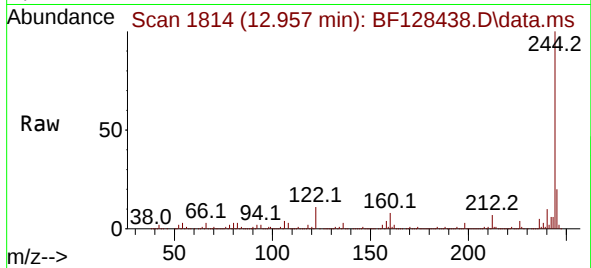




#77
Benzidine
Concen: 2.145 ng
RT: 12.957 min Scan# 1814
Delta R.T. 0.235 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

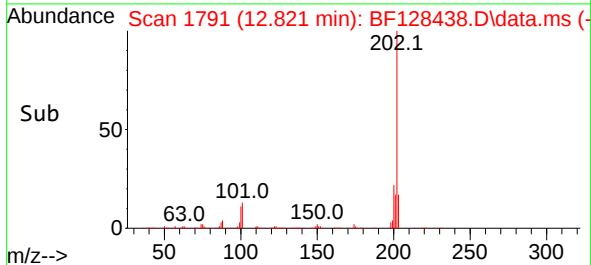
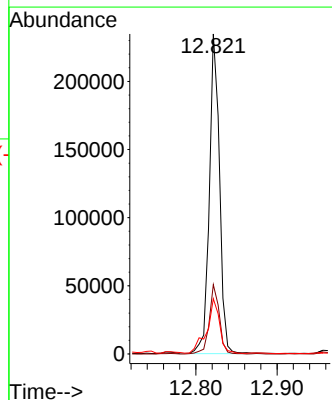
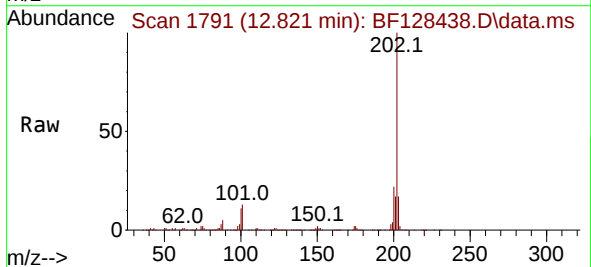
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

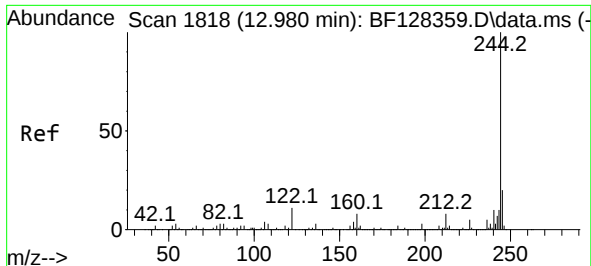
Tgt Ion:184 Resp: 8954
Ion Ratio Lower Upper
184 100
185 16.5 12.1 18.1
183 7.6 9.0 13.4#



#78
Pyrene
Concen: 13.504 ng
RT: 12.821 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:202 Resp: 202975
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.2 14.0 21.0

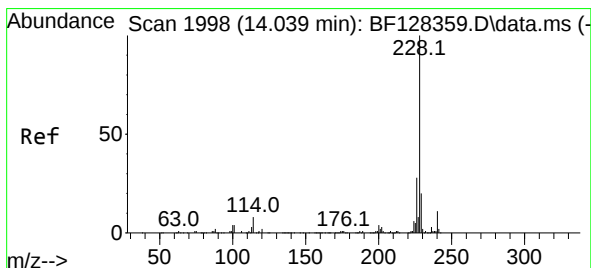
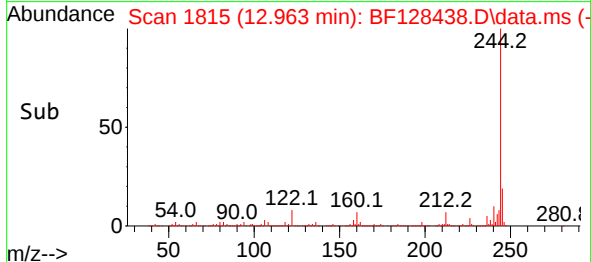
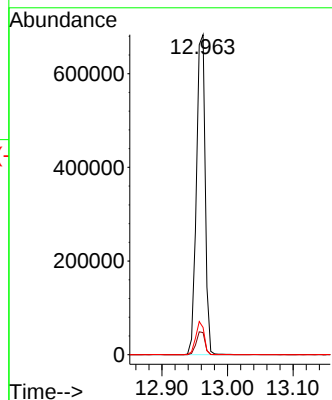
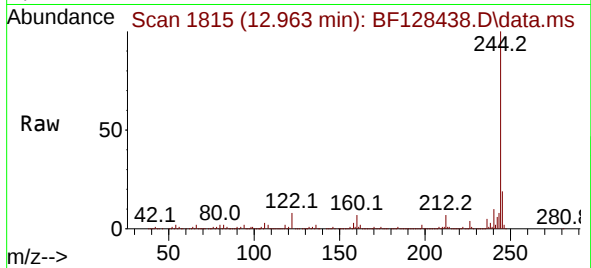




#79
 Terphenyl-d14
 Concen: 61.198 ng
 RT: 12.963 min Scan# 1815
 Delta R.T. -0.000 min
 Lab File: BF128438.D
 Acq: 24 May 2022 16:46

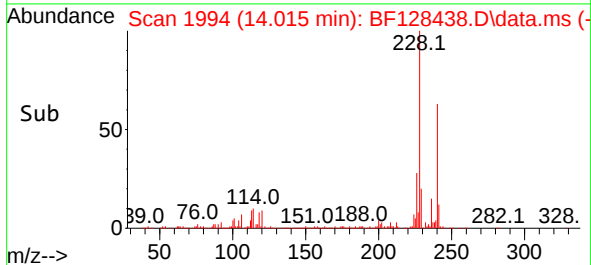
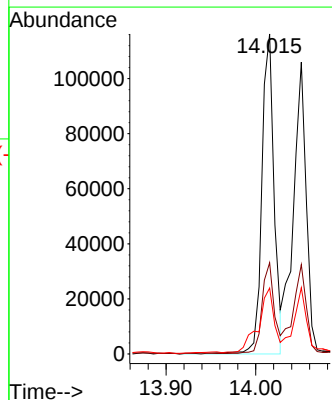
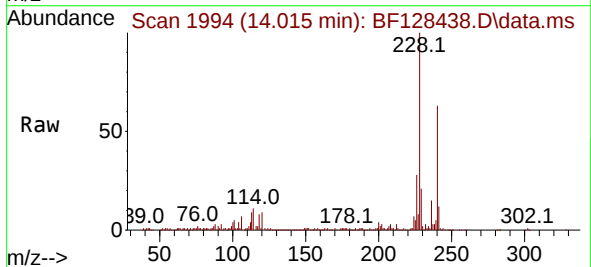
Instrument :
 BNA_F
 ClientSampleId :
 SB-15(0.5-1)

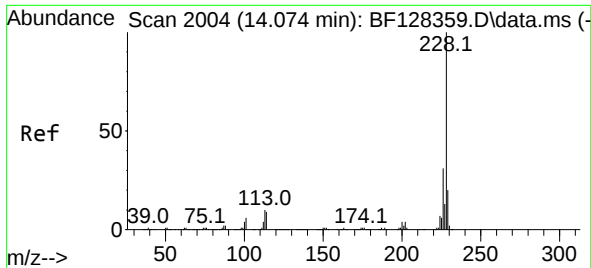
Tgt Ion:244 Resp: 636401
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.4
 122 8.5 8.6 12.8#



#81
 Benzo(a)anthracene
 Concen: 8.626 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. -0.006 min
 Lab File: BF128438.D
 Acq: 24 May 2022 16:46

Tgt Ion:228 Resp: 110179
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.7 32.5
 229 20.6 15.4 23.2

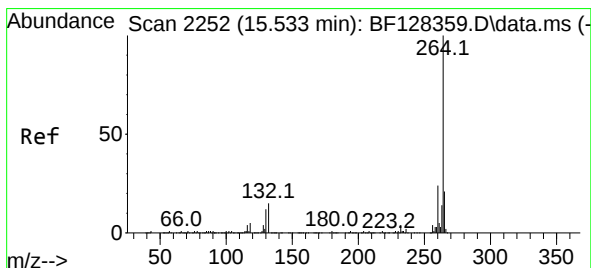
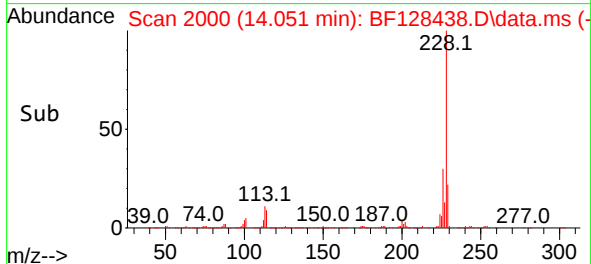
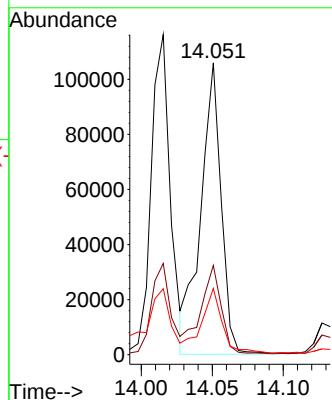
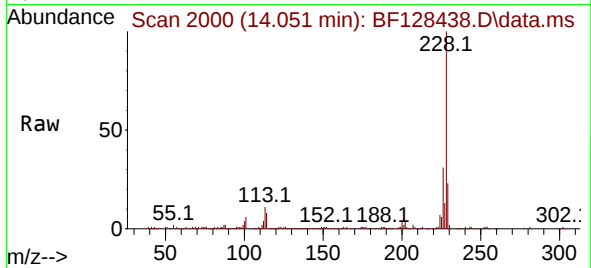




#83
Chrysene
Concen: 8.744 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

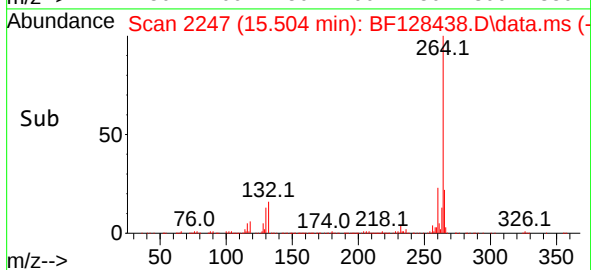
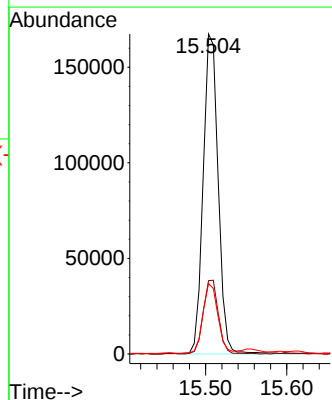
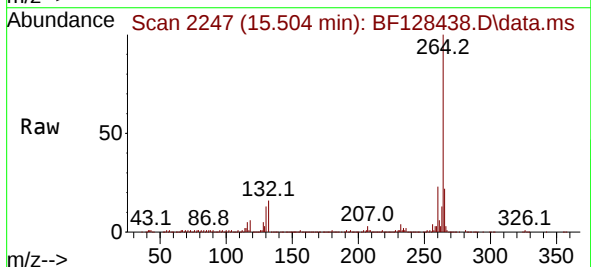
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

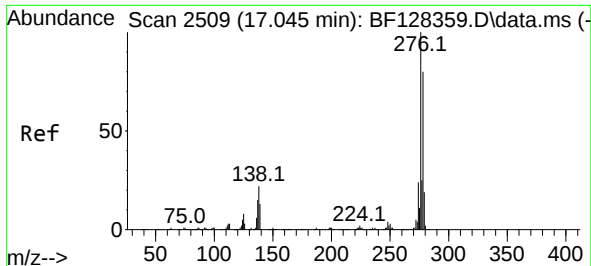
Tgt Ion:228 Resp: 106367
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.7 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:264 Resp: 215145
Ion Ratio Lower Upper
264 100
260 22.9 20.1 30.1
265 22.0 17.5 26.3

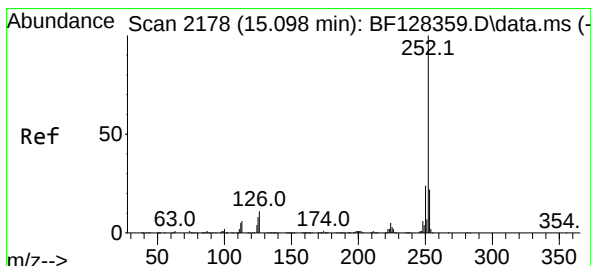
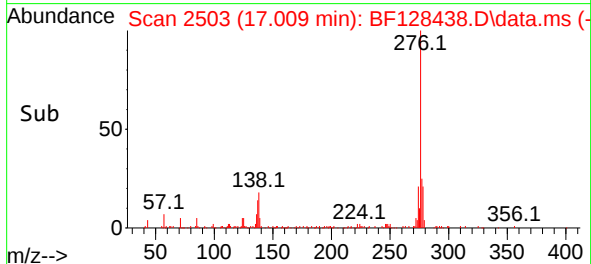
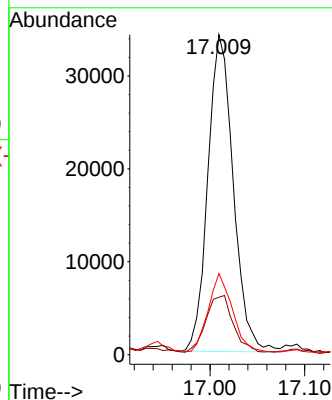
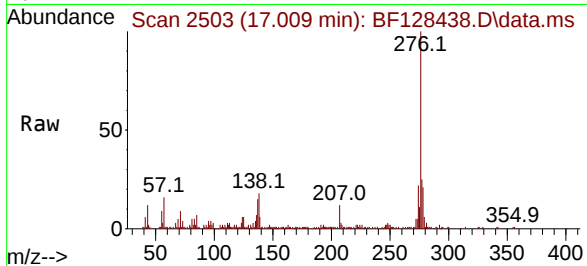




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.183 ng
RT: 17.009 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

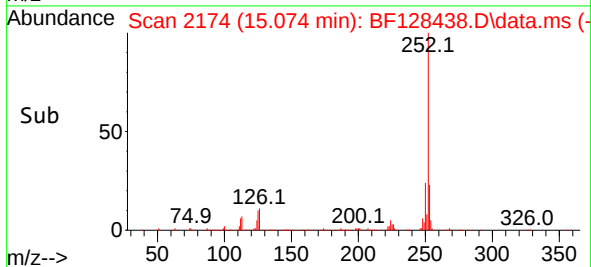
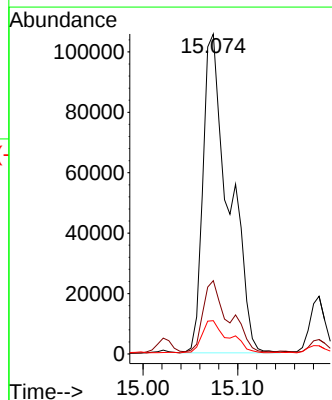
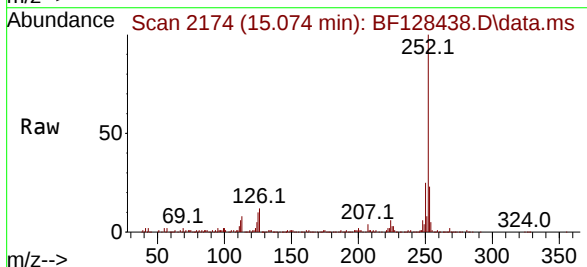
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

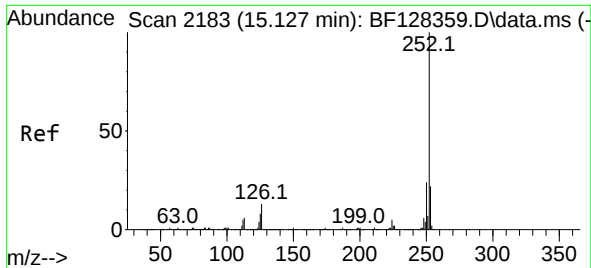
Tgt Ion:276 Resp: 63643
Ion Ratio Lower Upper
276 100
138 19.0 19.0 28.4
277 23.4 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 14.998 ng
RT: 15.074 min Scan# 2174
Delta R.T. -0.000 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:252 Resp: 200718
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 10.4 7.4 11.2

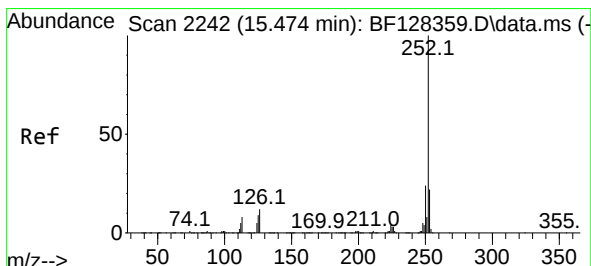
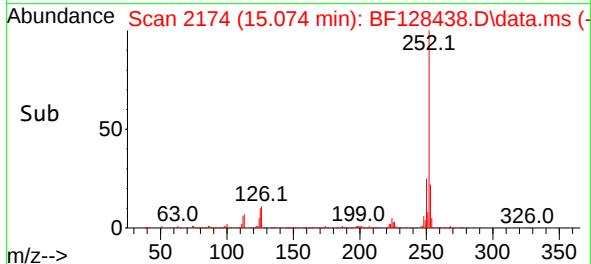
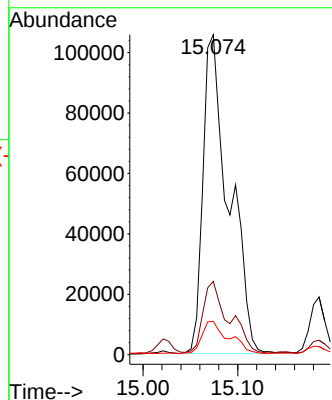
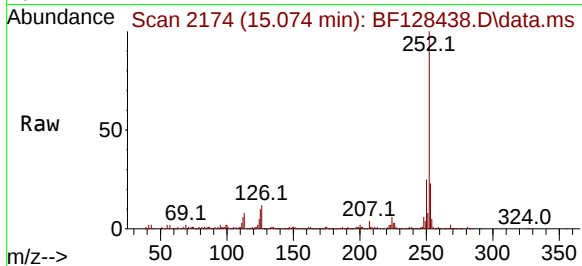




#89
Benzo(k)fluoranthene
Concen: 16.012 ng
RT: 15.074 min Scan# 2183
Delta R.T. -0.030 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

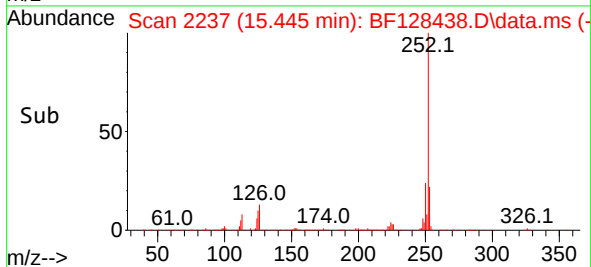
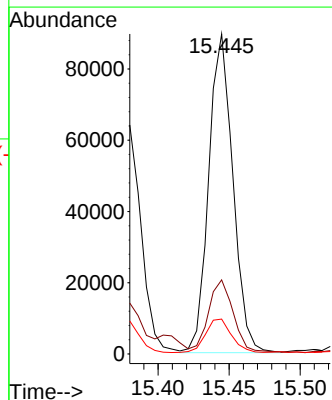
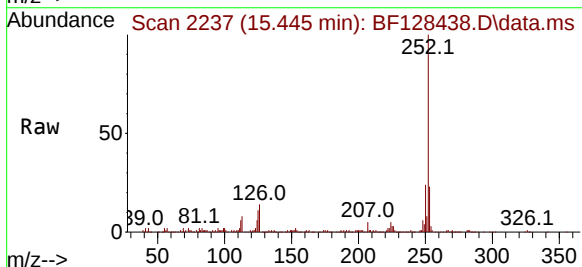
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)

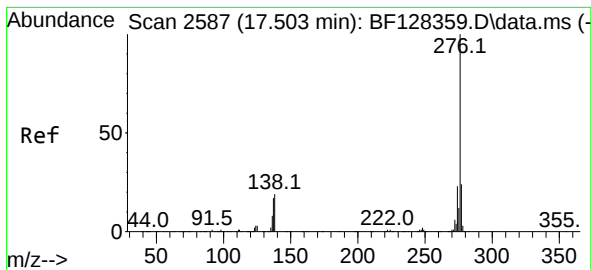
Tgt Ion:252 Resp: 200718
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 10.4 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 9.876 ng
RT: 15.445 min Scan# 2237
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:252 Resp: 106104
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.9 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 5.450 ng

RT: 17.468 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF128438.D

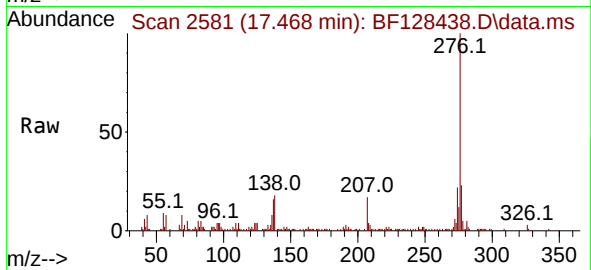
Acq: 24 May 2022 16:46

Instrument :

BNA_F

ClientSampleId :

SB-15(0.5-1)



Tgt Ion:276 Resp: 56023

Ion Ratio Lower Upper

276 100

277 22.9 18.8 28.2

138 17.7 16.2 24.2

