

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128444.D
 Acq On : 24 May 2022 19:42
 Operator : CG\JU
 Sample : N2981-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(3.5-4)

Quant Time: May 25 03:56:12 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)

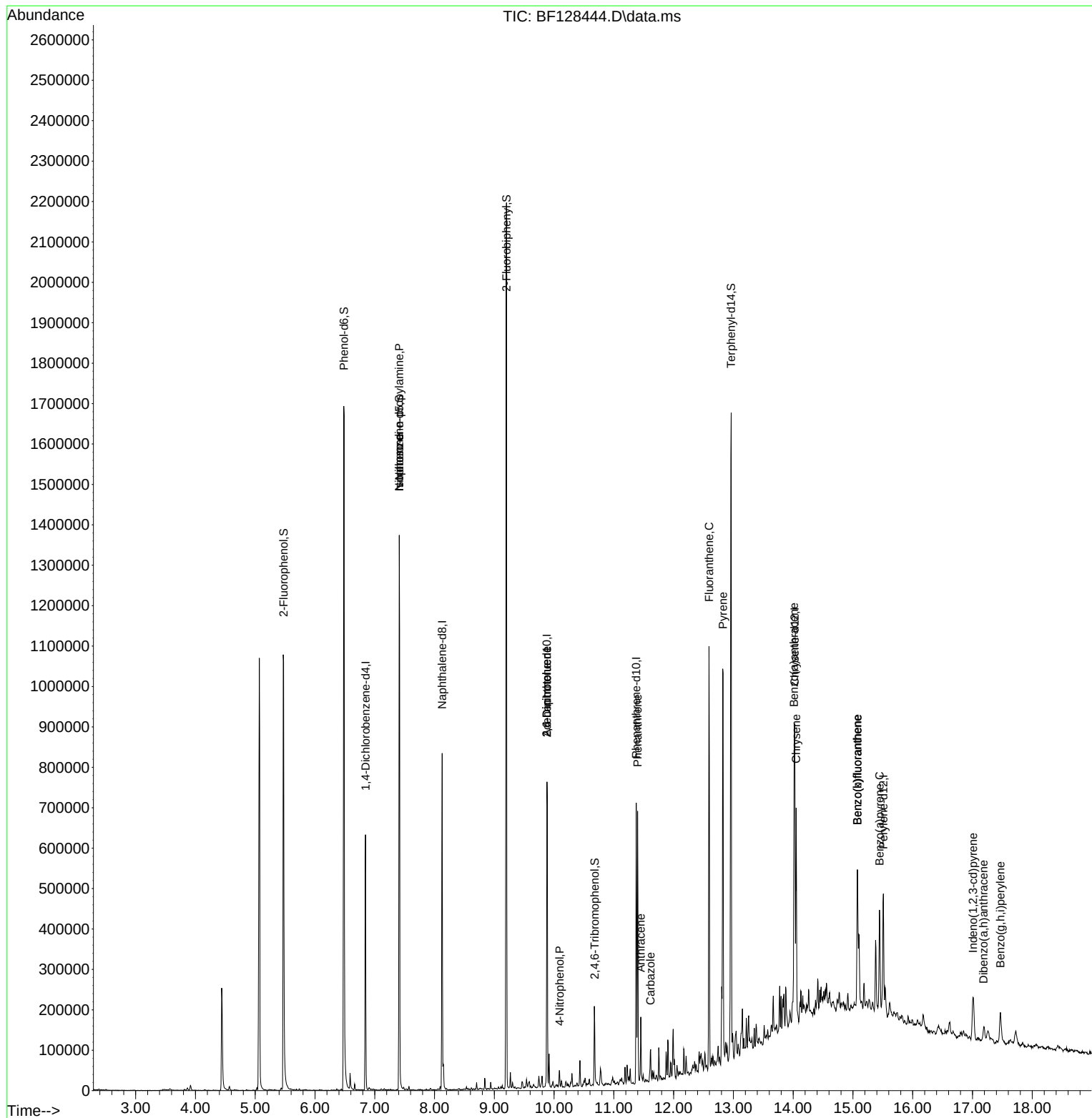
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	88100	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	327194	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	157523	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	235905	20.000	ng	0.00
76) Chrysene-d12	14.027	240	183950	20.000	ng	0.00
86) Perylene-d12	15.510	264	140114	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	330954	59.781	ng	0.00
7) Phenol-d6	6.487	99	604850	82.971	ng	0.00
23) Nitrobenzene-d5	7.410	82	450752	61.725	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	21321	13.124	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	663708	68.903	ng	0.00
79) Terphenyl-d14	12.963	244	565291	59.323	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.434	77	333	Below Cal	#	12
19) n-Nitroso-di-n-propyla...	7.410	70	60046	13.772	ng	# 81
25) Isophorone	7.410	82	450747	40.278	ng	# 68
51) 2,6-Dinitrotoluene	9.881	165	21135	9.631	ng	# 21
56) 4-Nitrophenol	10.092	139	5835	4.107	ng	# 4
57) 2,4-Dinitrotoluene	9.881	165	21135	7.644	ng	# 26
71) Phenanthrene	11.398	178	224106	19.466	ng	99
72) Anthracene	11.451	178	55425	4.844	ng	99
73) Carbazole	11.616	167	29576	2.592	ng	98
75) Fluoranthene	12.592	202	394146	31.613	ng	99
78) Pyrene	12.827	202	415242	30.149	ng	99
81) Benzo(a)anthracene	14.016	228	223222	19.073	ng	99
83) Chrysene	14.051	228	183652	16.476	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	65538	8.195	ng	96
88) Benzo(b)fluoranthene	15.074	252	257395	29.531	ng	96
89) Benzo(k)fluoranthene	15.074	252	257395	31.530	ng	# 95
90) Benzo(a)pyrene	15.445	252	121211	17.324	ng	99
91) Dibenzo(a,h)anthracene	17.186	278	14200	2.213	ng	93
92) Benzo(g,h,i)perylene	17.468	276	59881	8.945	ng	99

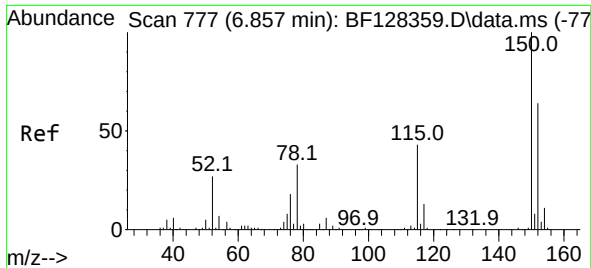
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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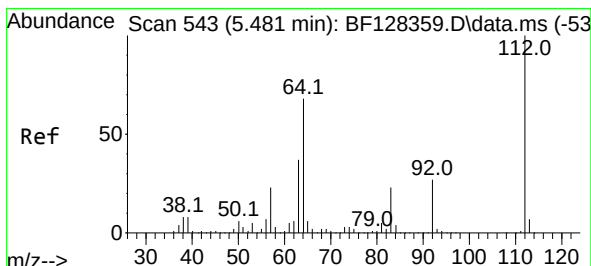
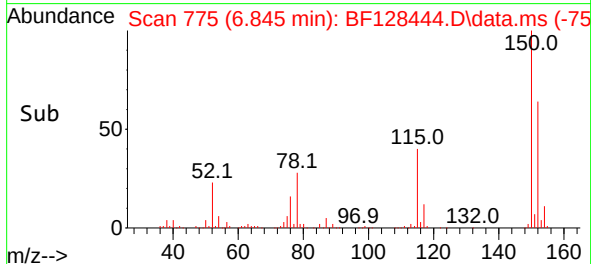
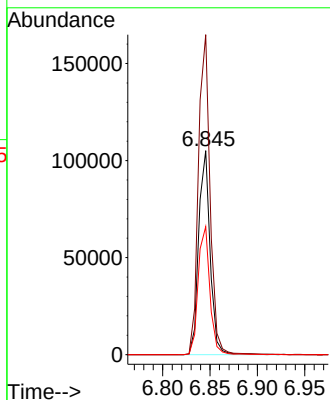
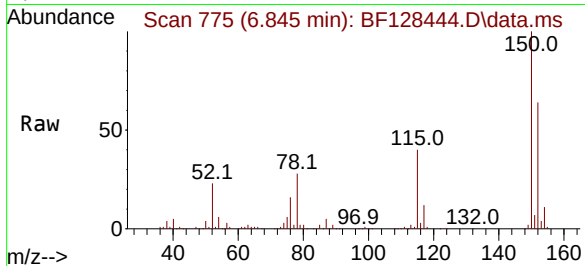




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

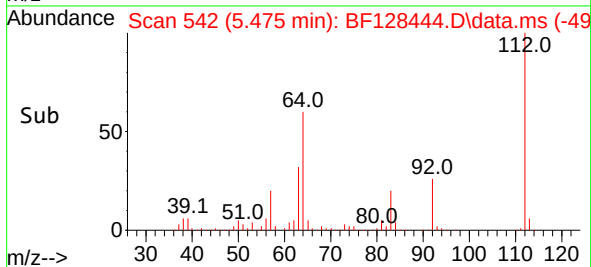
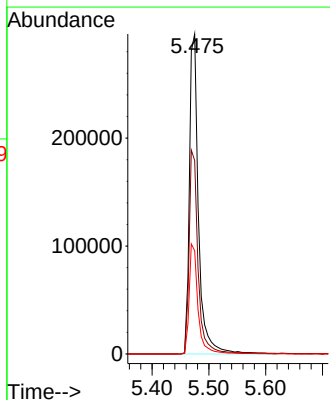
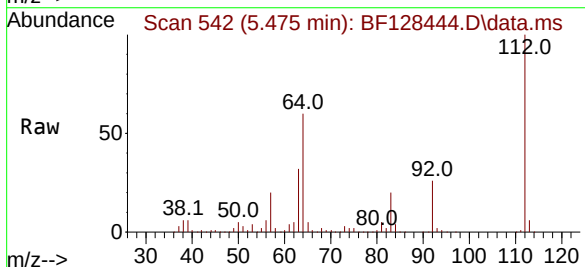
Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)

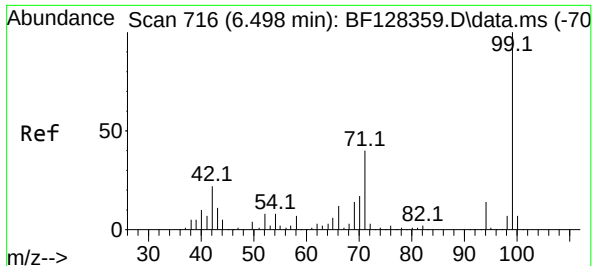
Tgt Ion:152 Resp: 88100
Ion Ratio Lower Upper
152 100
150 156.8 125.3 187.9
115 62.7 48.8 73.2



#5
2-Fluorophenol
Concen: 59.781 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion:112 Resp: 330954
Ion Ratio Lower Upper
112 100
64 60.4 49.5 74.3
63 32.3 26.3 39.5

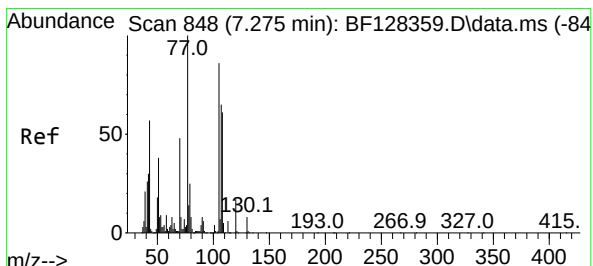
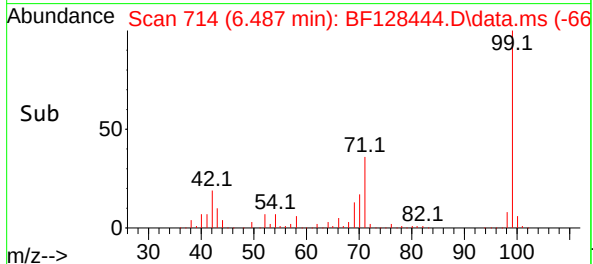
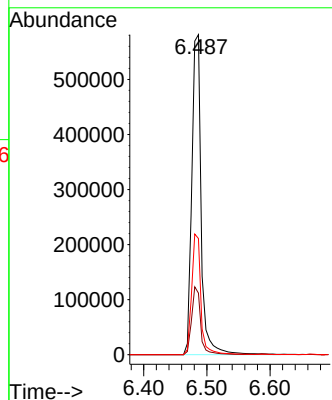
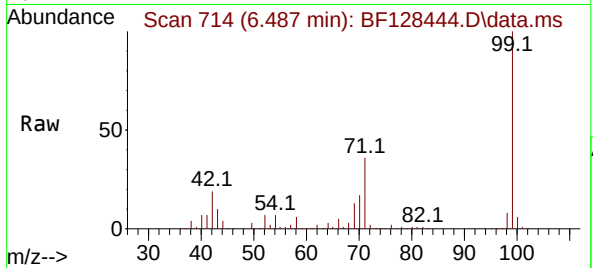




#7
Phenol-d6
Concen: 82.971 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

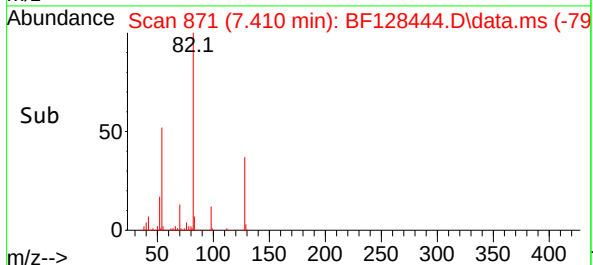
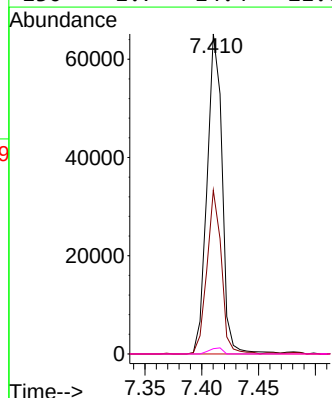
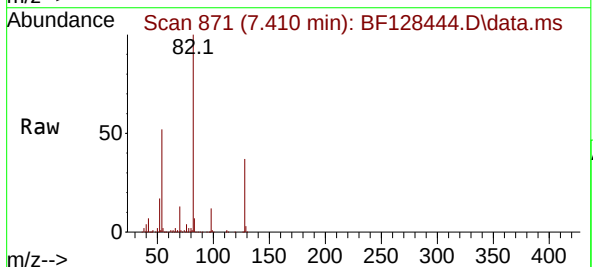
Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)

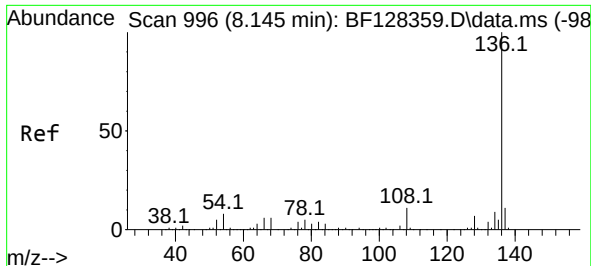
Tgt Ion: 99 Resp: 604850
Ion Ratio Lower Upper
99 100
42 19.2 16.6 24.8
71 36.3 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.772 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.147 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion: 70 Resp: 60046
Ion Ratio Lower Upper
70 100
42 51.2 48.7 73.1
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#



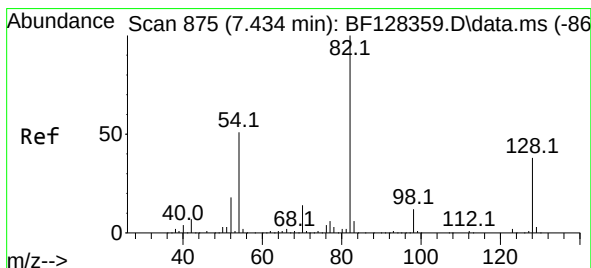
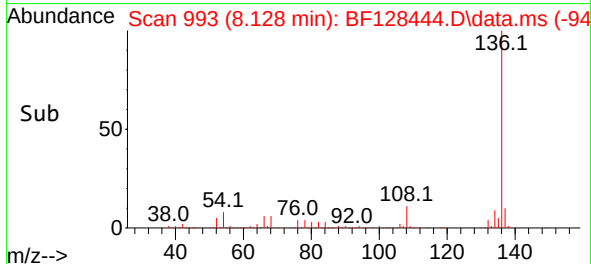
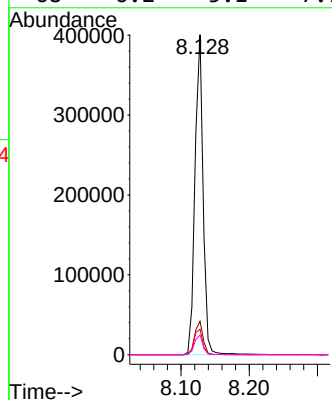
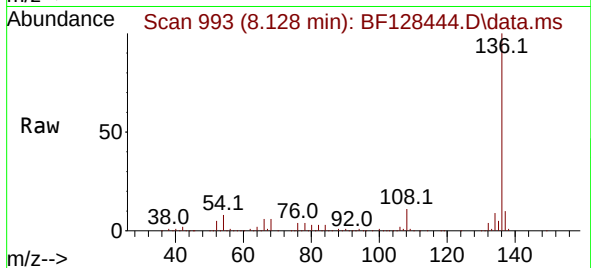


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 996
Delta R.T. -0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)

Tgt Ion:136 Resp: 327194

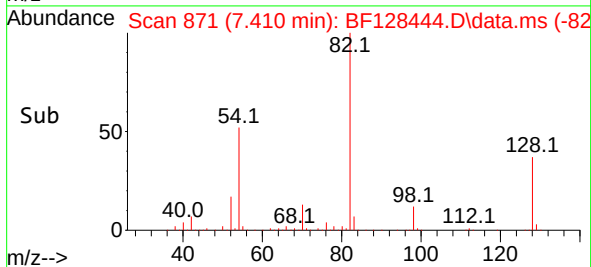
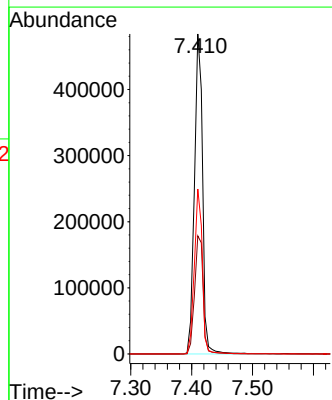
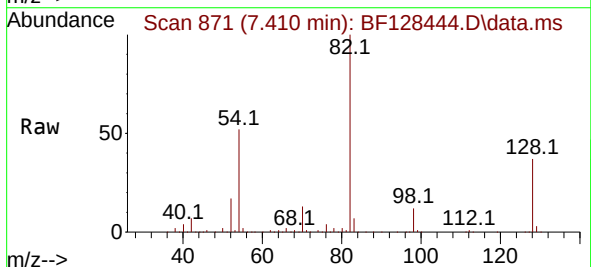
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.0	6.8	10.2
68	6.2	5.1	7.7

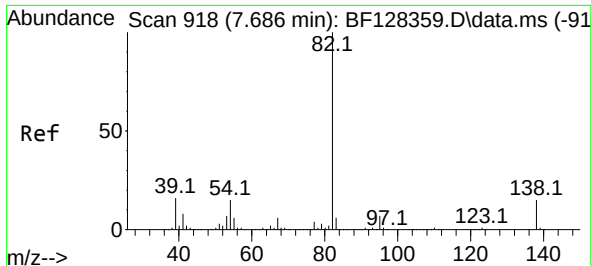


#23
Nitrobenzene-d5
Concen: 61.725 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion: 82 Resp: 450752

Ion	Ratio	Lower	Upper
82	100		
128	36.9	30.0	45.0
54	51.6	41.3	61.9

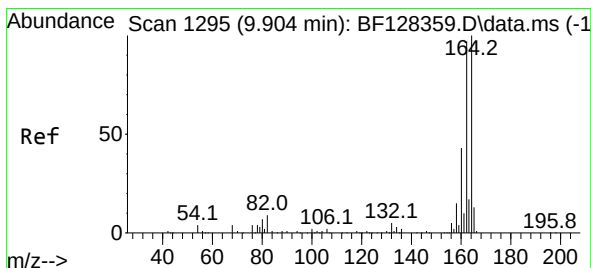
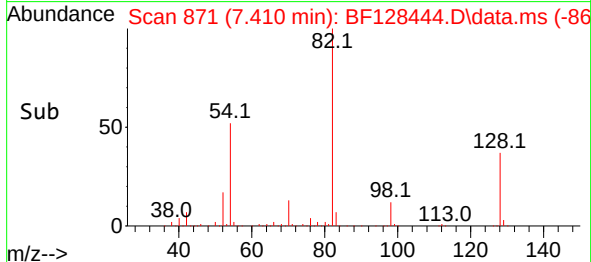
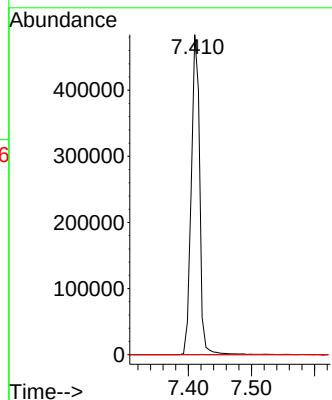
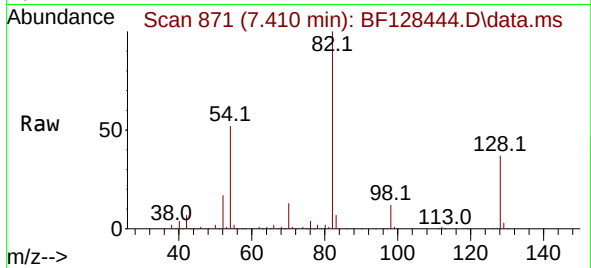




#25
Isophorone
Concen: 40.278 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

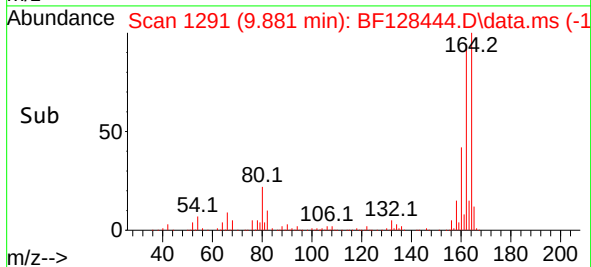
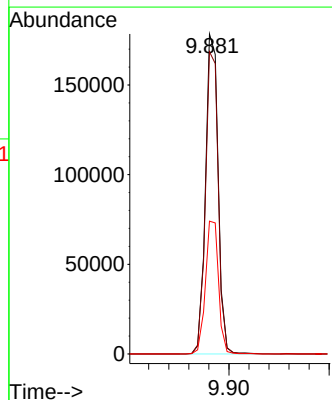
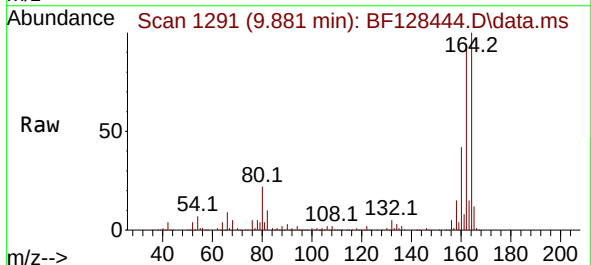
Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)

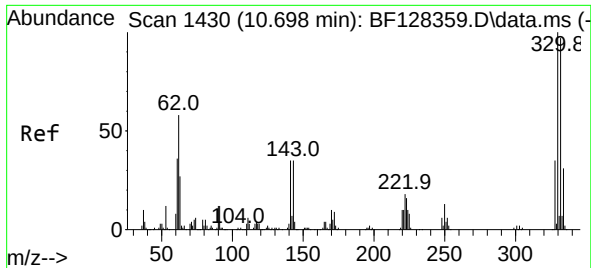
Tgt Ion: 82 Resp: 450747
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion: 164 Resp: 157523
Ion Ratio Lower Upper
164 100
162 94.4 76.0 114.0
160 41.5 34.8 52.2

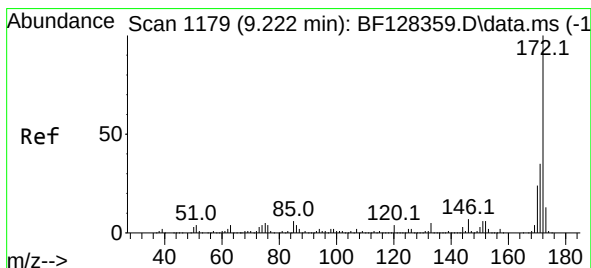
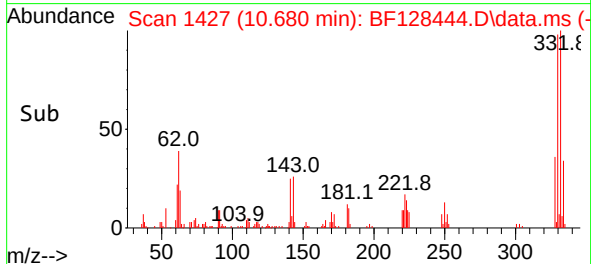
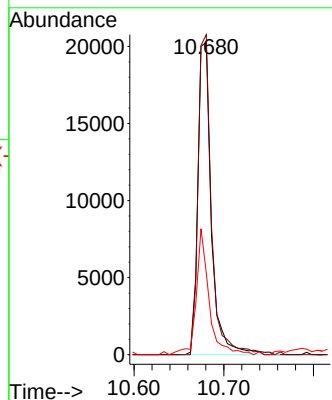
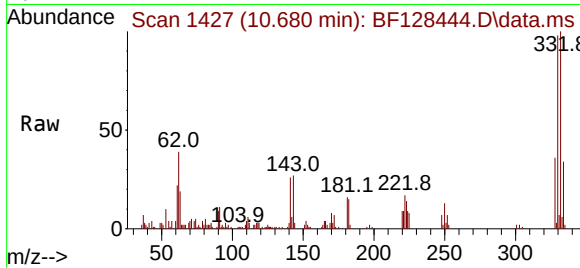




#42
2,4,6-Tribromophenol
Concen: 13.124 ng
RT: 10.680 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

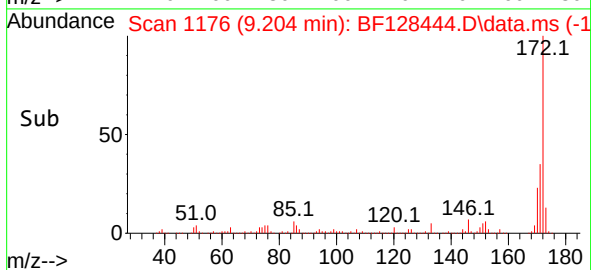
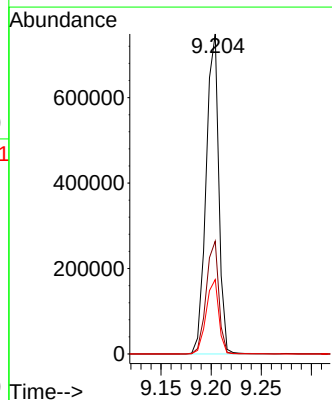
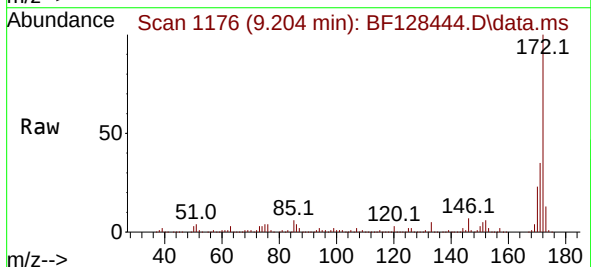
Instrument :
BNA_F
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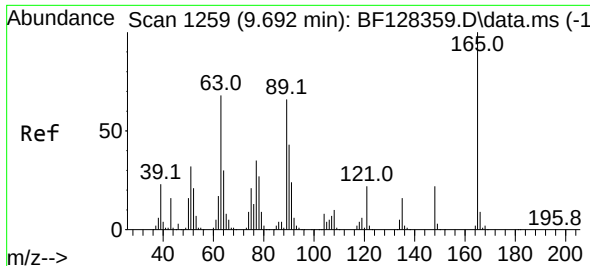
Tgt Ion: 330 Resp: 21321
Ion Ratio Lower Upper
330 100
332 100.3 79.0 118.4
141 38.2 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 68.903 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion: 172 Resp: 663708
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.2 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.631 ng

RT: 9.881 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF128444.D

Acq: 24 May 2022 19:42

Instrument :

BNA_F

ClientSampleId :

SB-14(3.5-4)

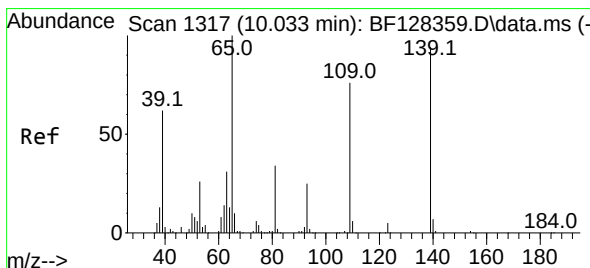
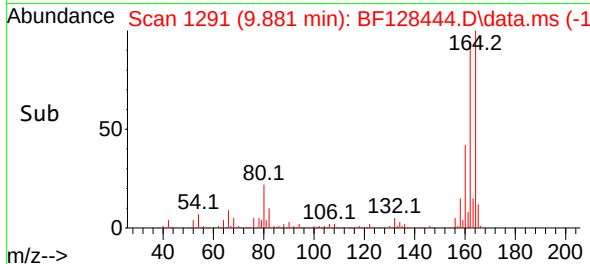
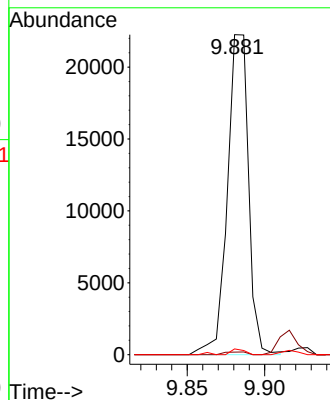
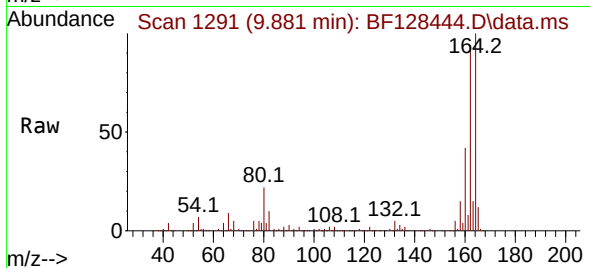
Tgt Ion:165 Resp: 21135

Ion Ratio Lower Upper

165 100

63 0.8 49.5 74.3#

89 1.8 49.0 73.4#



#56

4-Nitrophenol

Concen: 4.107 ng

RT: 10.092 min Scan# 1327

Delta R.T. 0.065 min

Lab File: BF128444.D

Acq: 24 May 2022 19:42

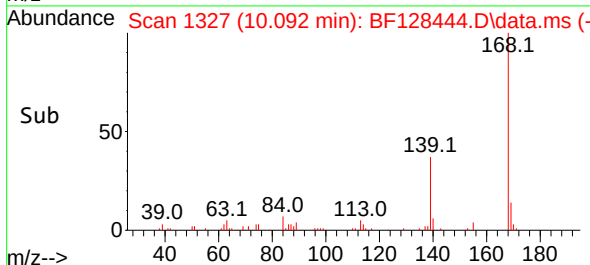
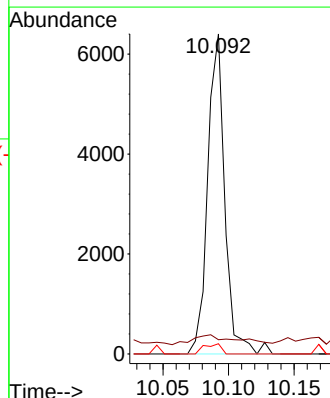
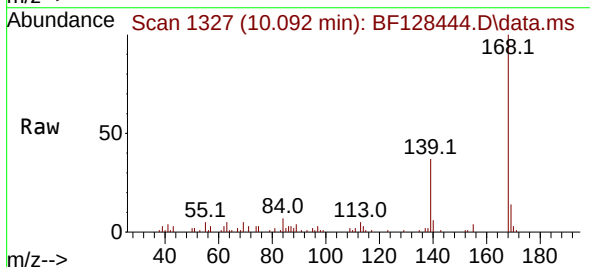
Tgt Ion:139 Resp: 5835

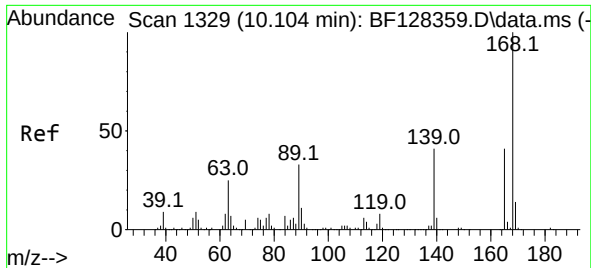
Ion Ratio Lower Upper

139 100

109 4.5 61.9 101.9#

65 3.2 93.5 133.5#

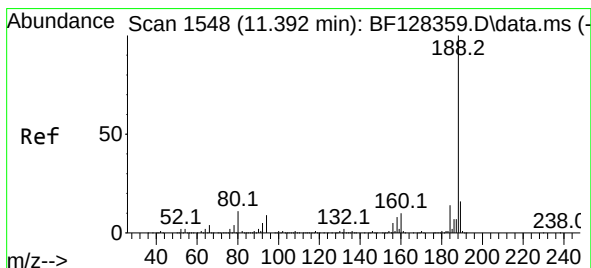
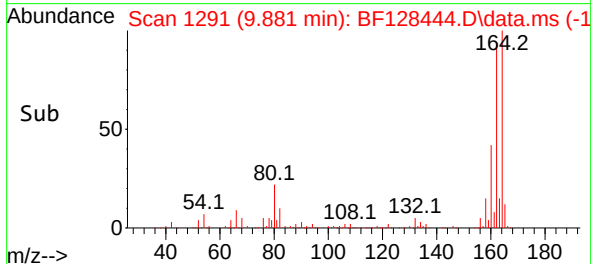
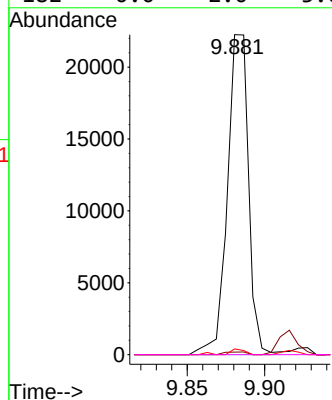
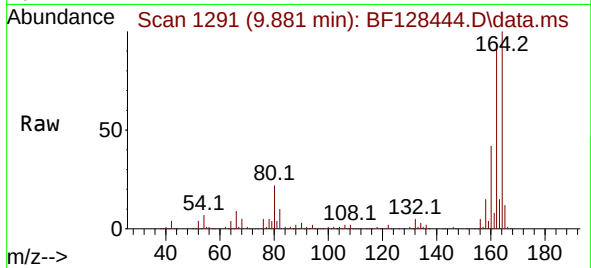




#57
2,4-Dinitrotoluene
Concen: 7.644 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.212 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

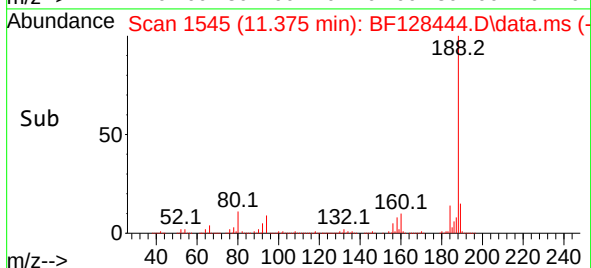
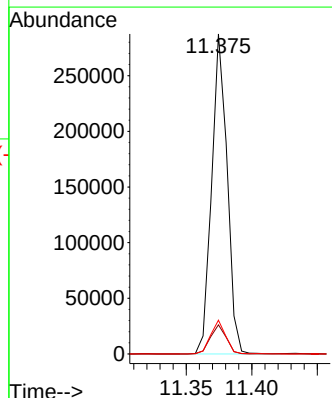
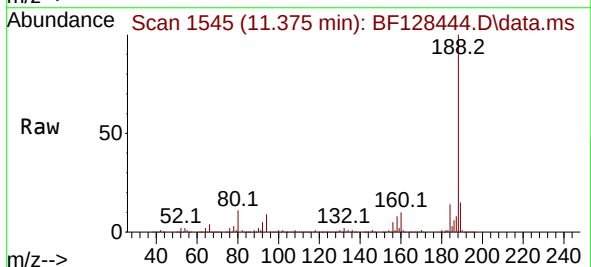
Instrument :
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SB-14(3.5-4)

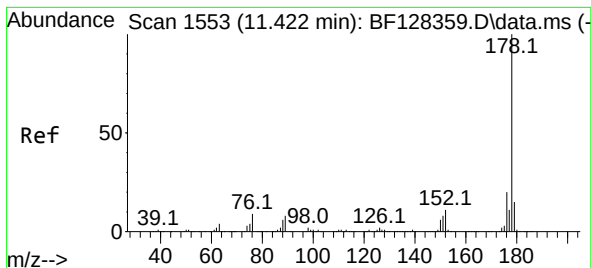
Tgt Ion:165 Resp: 21135
Ion Ratio Lower Upper
165 100
63 0.8 32.6 49.0#
89 1.8 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion:188 Resp: 235905
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 10.5 8.9 13.3





#71

Phenanthrene

Concen: 19.466 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128444.D

Acq: 24 May 2022 19:42

Instrument :

BNA_F

ClientSampleId :

SB-14(3.5-4)

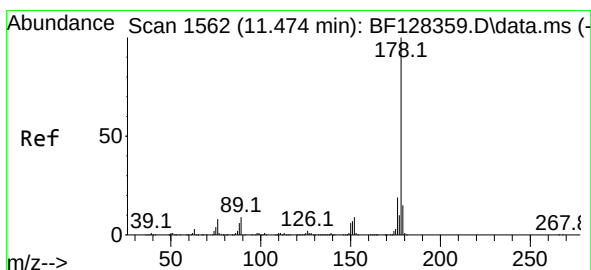
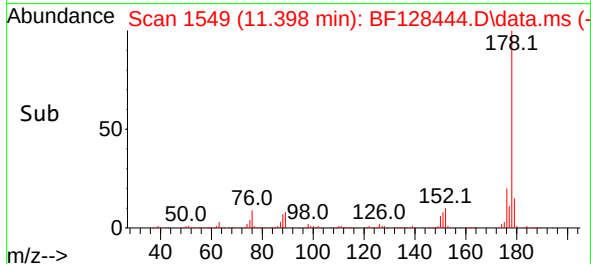
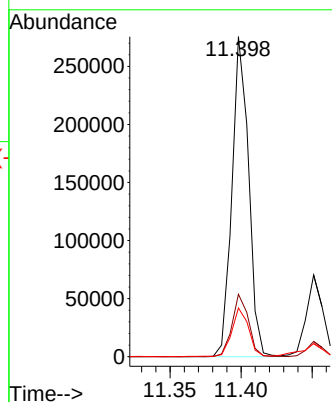
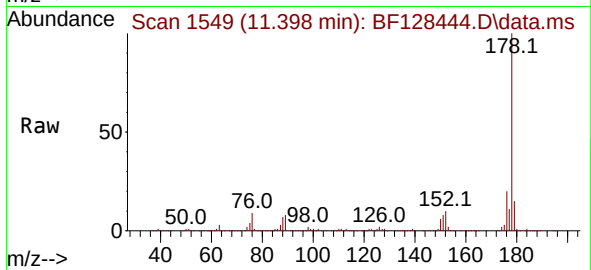
Tgt Ion:178 Resp: 224106

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.2 12.6 19.0



#72

Anthracene

Concen: 4.844 ng

RT: 11.451 min Scan# 1558

Delta R.T. -0.006 min

Lab File: BF128444.D

Acq: 24 May 2022 19:42

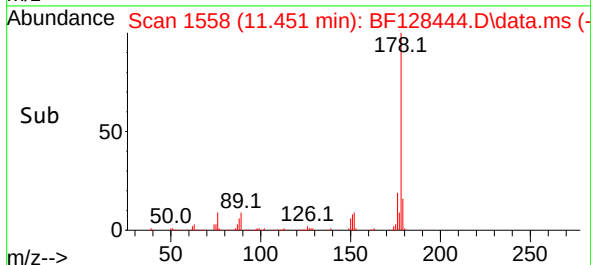
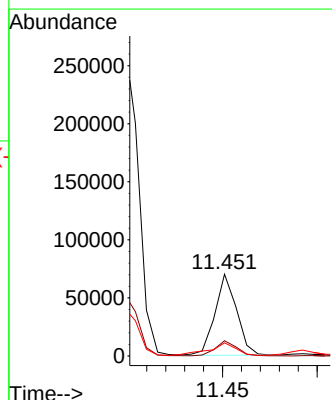
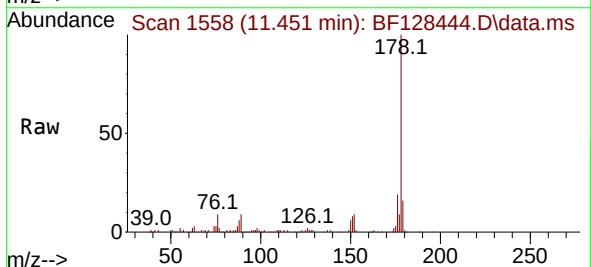
Tgt Ion:178 Resp: 55425

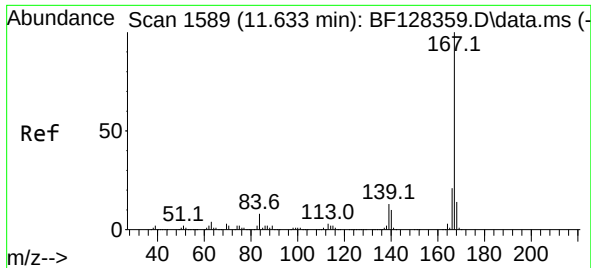
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 16.1 12.4 18.6

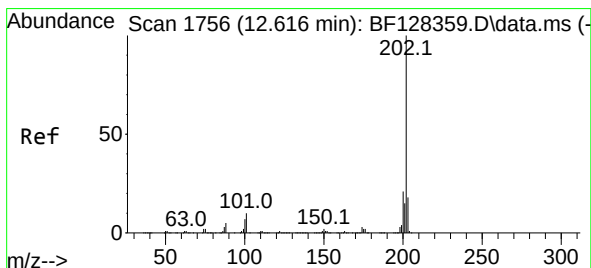
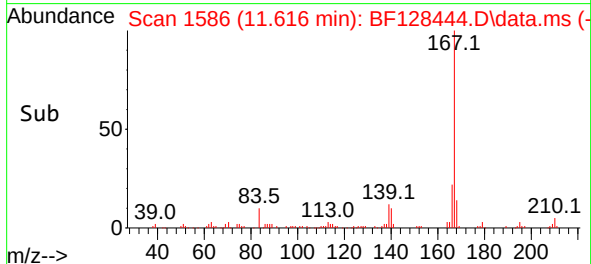
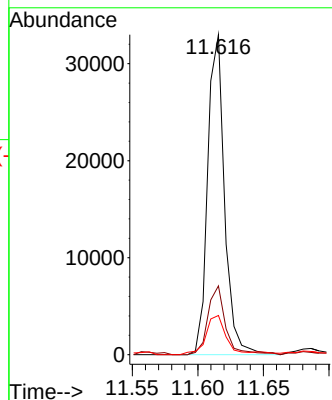
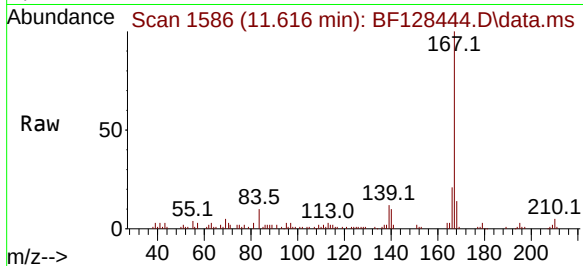




#73
 Carbazole
 Concen: 2.592 ng
 RT: 11.616 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128444.D
 Acq: 24 May 2022 19:42

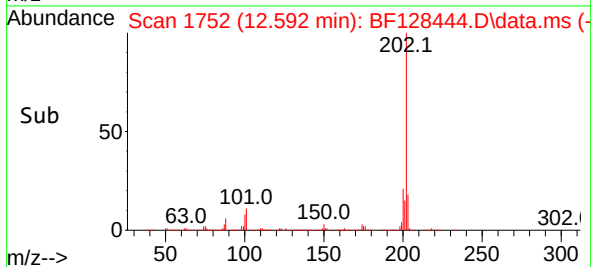
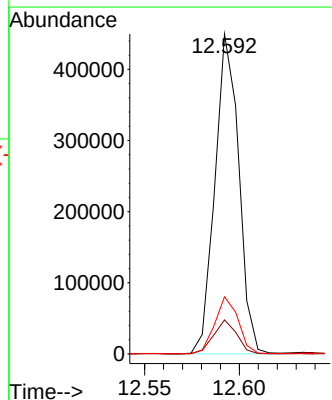
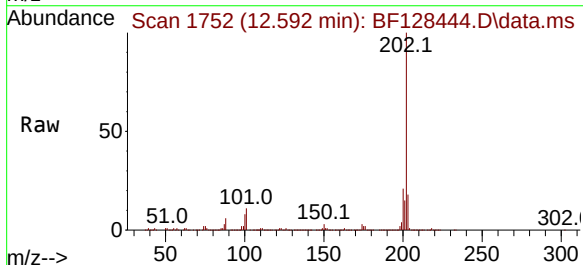
Instrument :
 BNA_F
 ClientSampleId :
 SB-14(3.5-4)

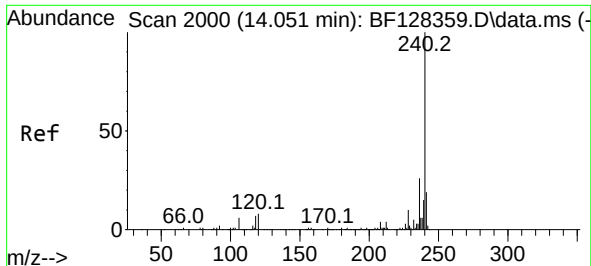
Tgt Ion:167 Resp: 29576
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.6 26.4
 139 12.2 10.7 16.1



#75
 Fluoranthene
 Concen: 31.613 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF128444.D
 Acq: 24 May 2022 19:42

Tgt Ion:202 Resp: 394146
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.6
 203 17.8 0.0 38.1

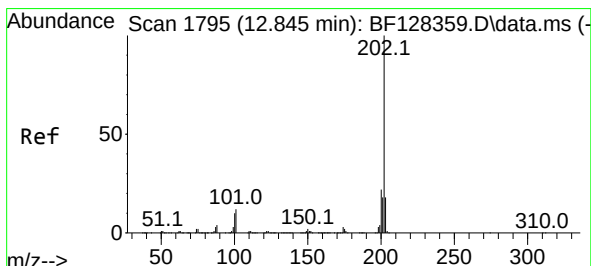
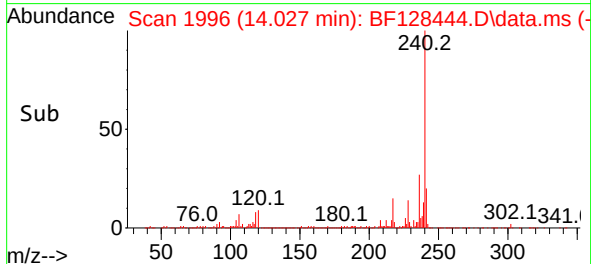
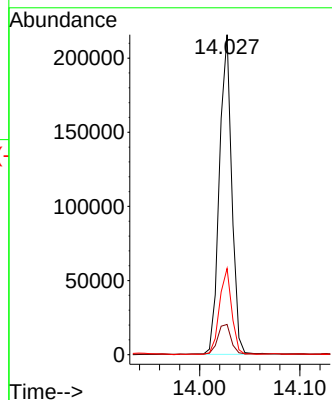
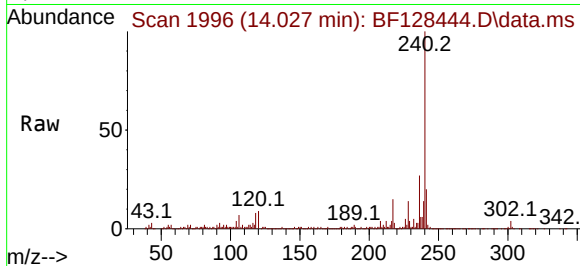




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

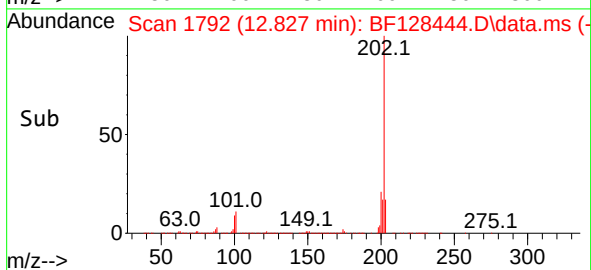
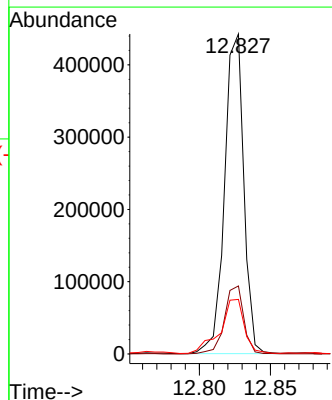
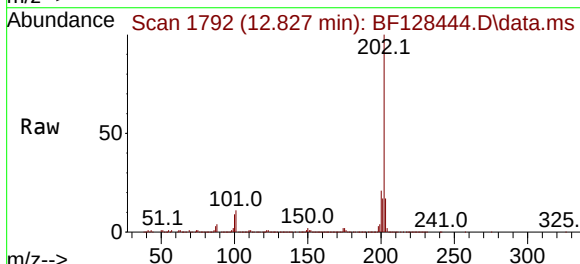
Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)

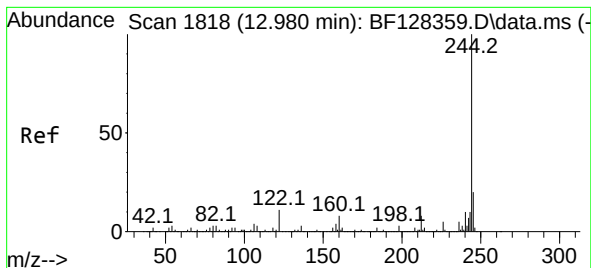
Tgt Ion:240 Resp: 183950
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 26.9 20.3 30.5



#78
Pyrene
Concen: 30.149 ng
RT: 12.827 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion:202 Resp: 415242
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.1 14.0 21.0





#79

Terphenyl-d14

Concen: 59.323 ng

RT: 12.963 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF128444.D

Acq: 24 May 2022 19:42

Instrument :

BNA_F

ClientSampleId :

SB-14(3.5-4)

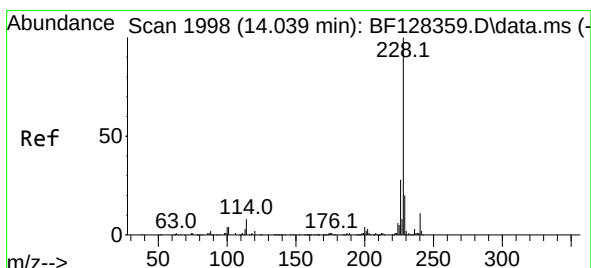
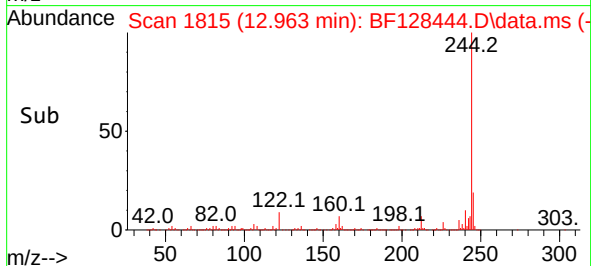
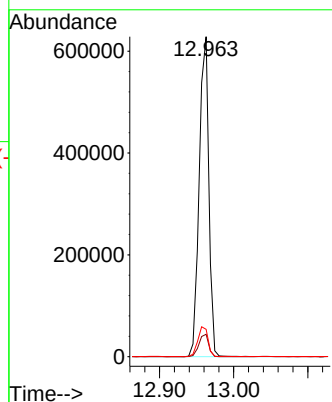
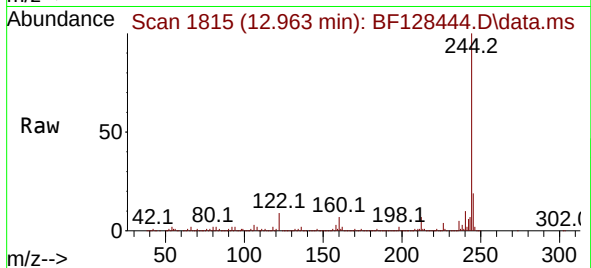
Tgt Ion:244 Resp: 565291

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.4

122 8.6 8.6 12.8#



#81

Benzo(a)anthracene

Concen: 19.073 ng

RT: 14.016 min Scan# 1994

Delta R.T. -0.006 min

Lab File: BF128444.D

Acq: 24 May 2022 19:42

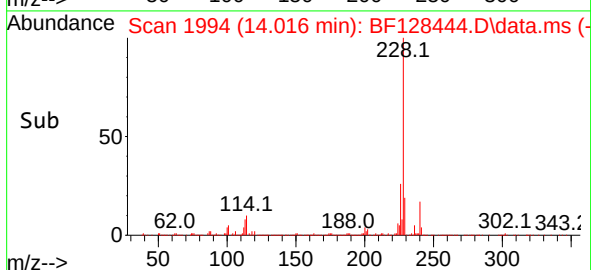
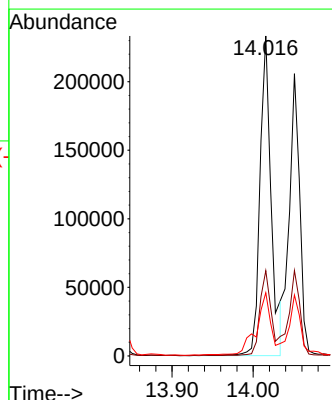
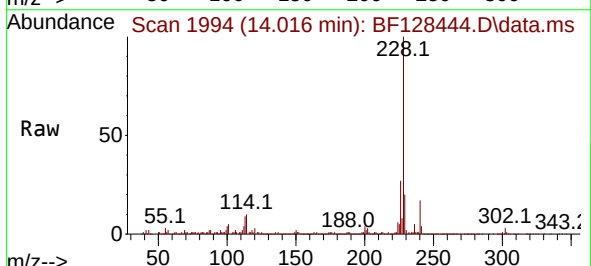
Tgt Ion:228 Resp: 223222

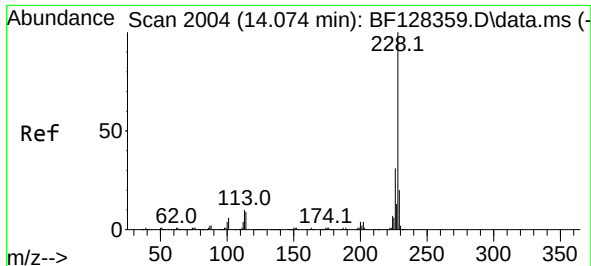
Ion Ratio Lower Upper

228 100

226 26.7 21.7 32.5

229 19.7 15.4 23.2

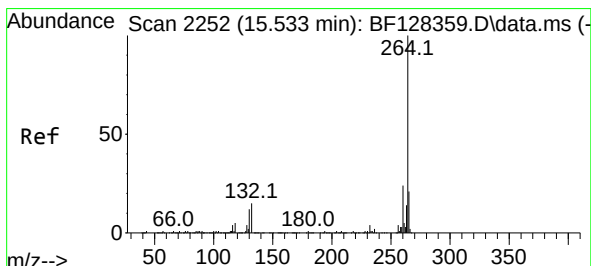
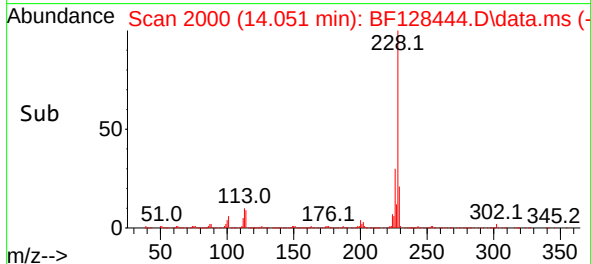
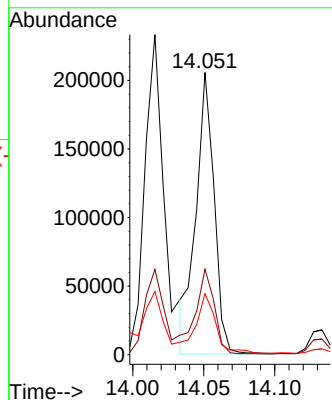
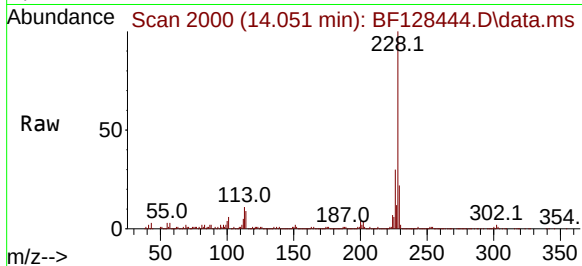




#83
Chrysene
Concen: 16.476 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

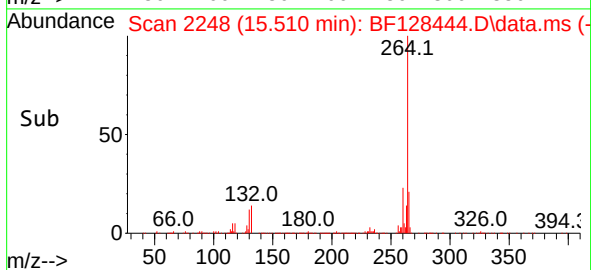
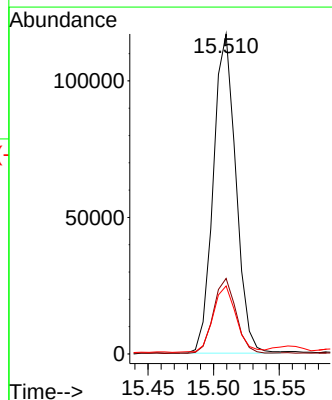
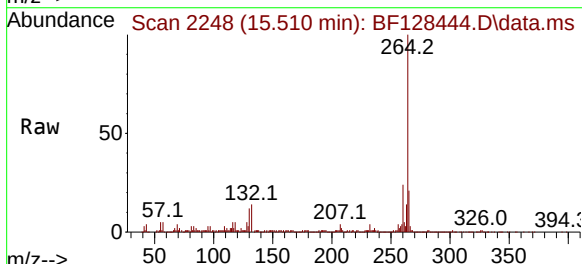
Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)

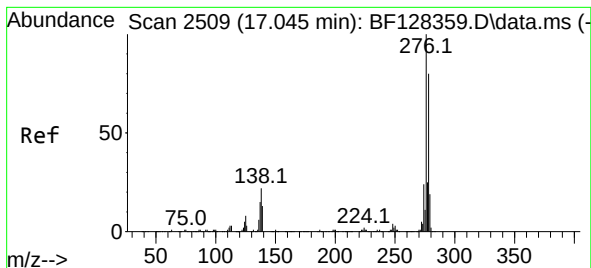
Tgt Ion:228 Resp: 183652
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.6 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion:264 Resp: 140114
Ion Ratio Lower Upper
264 100
260 23.6 20.1 30.1
265 21.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.195 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128444.D

Acq: 24 May 2022 19:42

Instrument :

BNA_F

ClientSampleId :

SB-14(3.5-4)

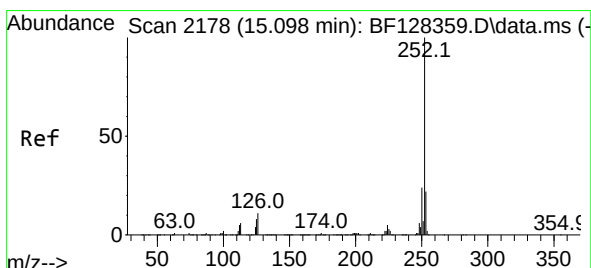
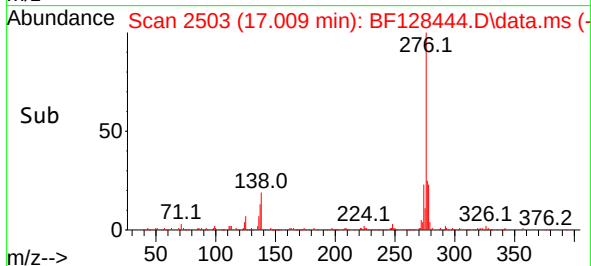
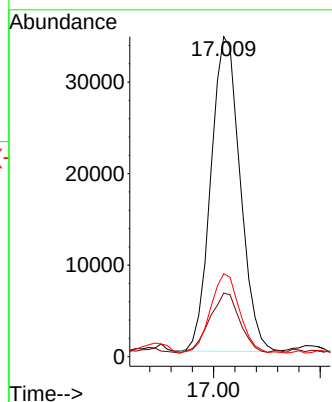
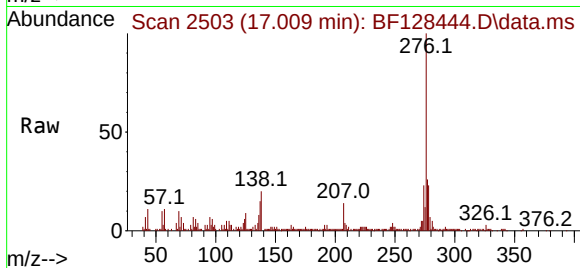
Tgt Ion:276 Resp: 65538

Ion Ratio Lower Upper

276 100

138 19.9 19.0 28.4

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 29.531 ng

RT: 15.074 min Scan# 2174

Delta R.T. 0.000 min

Lab File: BF128444.D

Acq: 24 May 2022 19:42

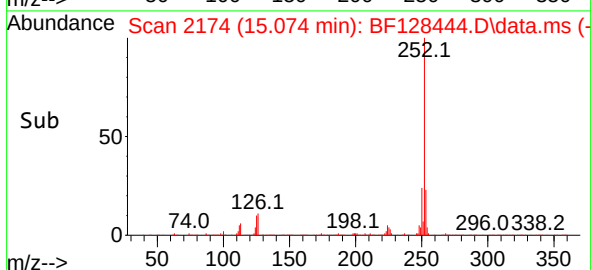
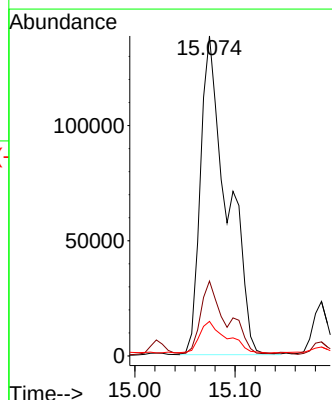
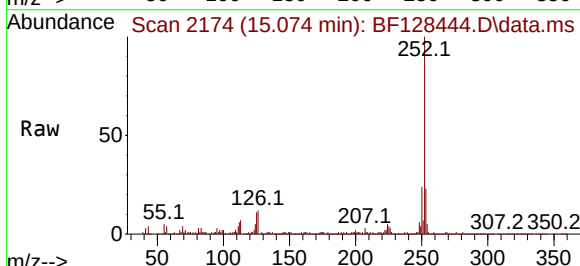
Tgt Ion:252 Resp: 257395

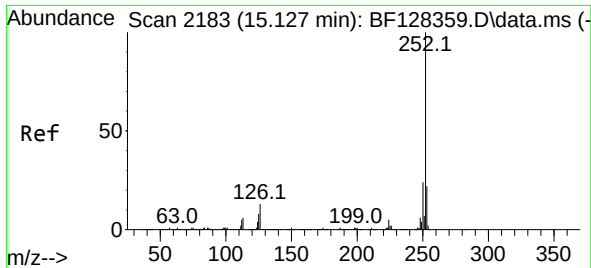
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 10.8 7.4 11.2

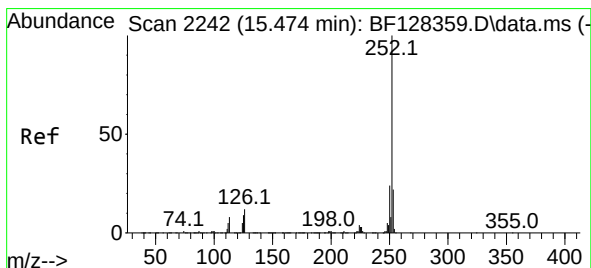
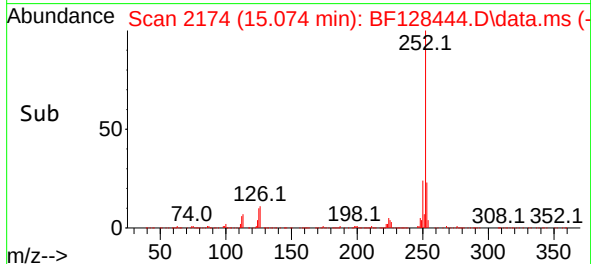
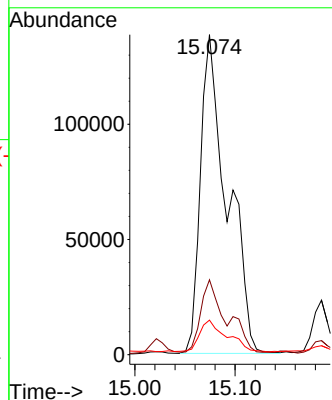
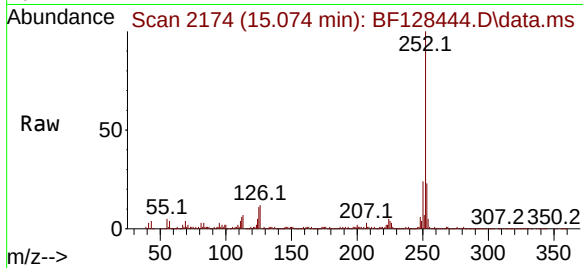




#89
Benzo(k)fluoranthene
Concen: 31.530 ng
RT: 15.074 min Scan# 2183
Delta R.T. -0.029 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

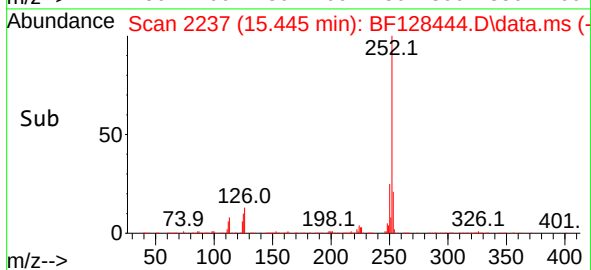
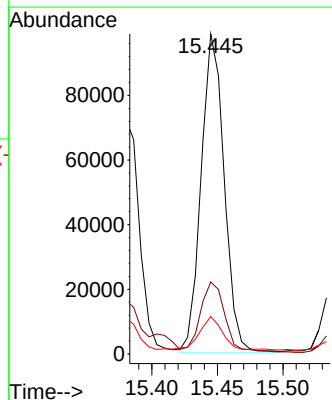
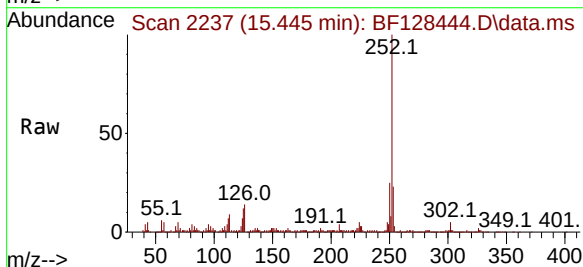
Instrument :
BNA_F
ClientSampleId :
SB-14(3.5-4)

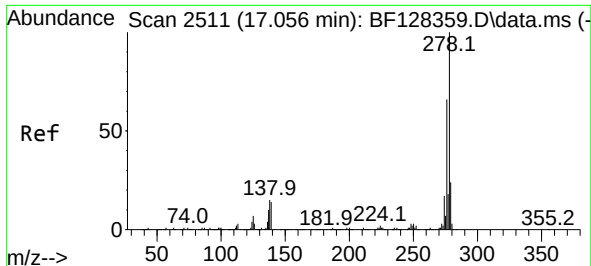
Tgt Ion:252 Resp: 257395
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.4
125 10.8 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 17.324 ng
RT: 15.445 min Scan# 2237
Delta R.T. -0.006 min
Lab File: BF128444.D
Acq: 24 May 2022 19:42

Tgt Ion:252 Resp: 121211
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.7 9.2 13.8

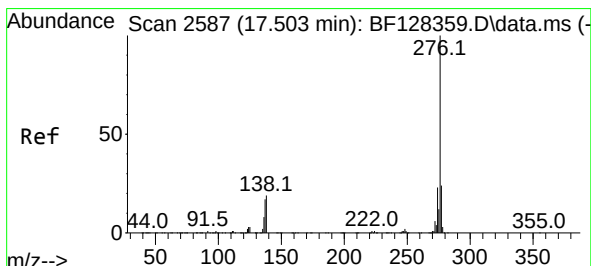
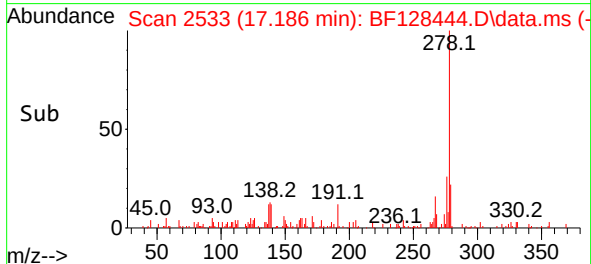
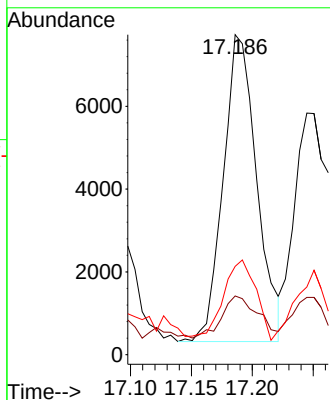
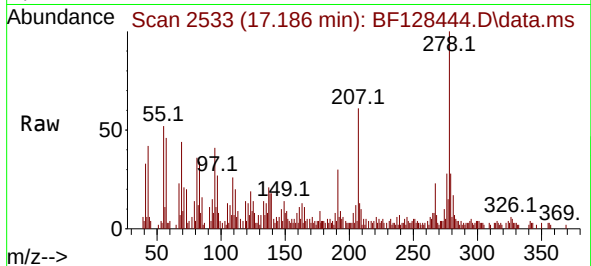




#91
 Dibenzo(a,h)anthracene
 Concen: 2.213 ng
 RT: 17.186 min Scan# 21
 Delta R.T. 0.159 min
 Lab File: BF128444.D
 Acq: 24 May 2022 19:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(3.5-4)

Tgt Ion:278 Resp: 14200
 Ion Ratio Lower Upper
 278 100
 139 18.3 12.6 19.0
 279 27.6 18.9 28.3



#92
 Benzo(g,h,i)perylene
 Concen: 8.945 ng
 RT: 17.468 min Scan# 2581
 Delta R.T. -0.006 min
 Lab File: BF128444.D
 Acq: 24 May 2022 19:42

Tgt Ion:276 Resp: 59881
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.8 28.2
 138 20.1 16.2 24.2

