

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128437.D
 Acq On : 24 May 2022 16:17
 Operator : CG\JU
 Sample : N2981-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0.5-1)

Quant Time: May 25 03:55:25 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)

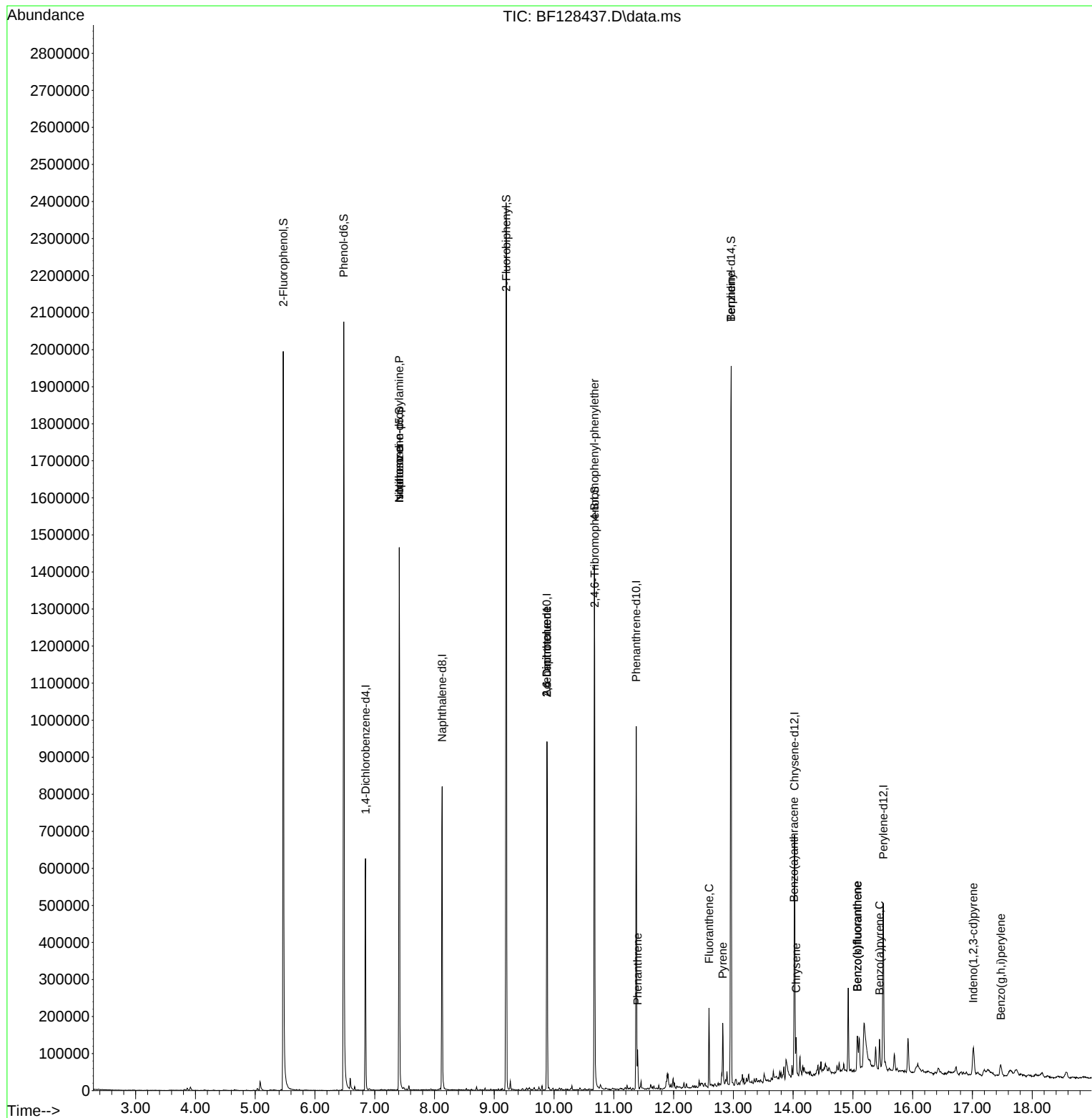
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	91643	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	357147	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	192886	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	330835	20.000	ng	0.00
76) Chrysene-d12	14.021	240	203266	20.000	ng	#-0.01
86) Perylene-d12	15.510	264	212437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	549612	95.440	ng	0.00
7) Phenol-d6	6.481	99	715890	94.407	ng	-0.01
23) Nitrobenzene-d5	7.410	82	505576	63.426	ng	-0.01
42) 2,4,6-Tribromophenol	10.681	330	166469	83.685	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	782093	66.308	ng	0.00
79) Terphenyl-d14	12.963	244	678983	64.483	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	1933	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.410	70	67441	14.871	ng	# 77
25) Isophorone	7.410	82	505571	41.388	ng	# 68
51) 2,6-Dinitrotoluene	9.881	165	24385	9.074	ng	# 21
57) 2,4-Dinitrotoluene	9.881	165	24385	7.202	ng	# 26
67) 4-Bromophenyl-phenylether	10.675	248	10605	3.063	ng	# 1
71) Phenanthrene	11.398	178	37065	2.296	ng	99
75) Fluoranthene	12.592	202	74520	4.262	ng	98
77) Benzidine	12.963	184	9631	2.278	ng	97
78) Pyrene	12.822	202	66166	4.348	ng	98
81) Benzo(a)anthracene	14.016	228	41143	3.181	ng	99
83) Chrysene	14.051	228	37924	3.079	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	27266	2.249	ng	98
88) Benzo(b)fluoranthene	15.074	252	72641	5.497	ng	98
89) Benzo(k)fluoranthene	15.074	252	72641	5.869	ng	# 98
90) Benzo(a)pyrene	15.445	252	37764	3.560	ng	99
92) Benzo(g,h,i)perylene	17.474	276	24075	2.372	ng	96

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

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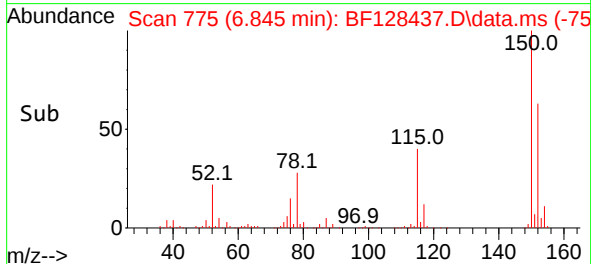
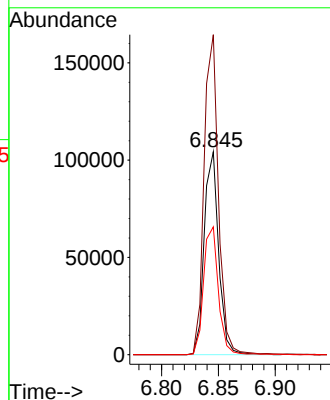
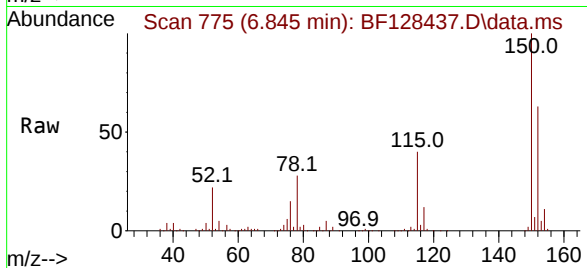




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

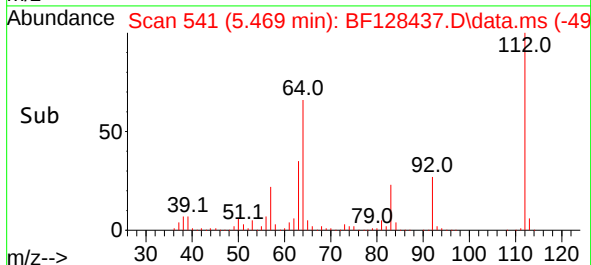
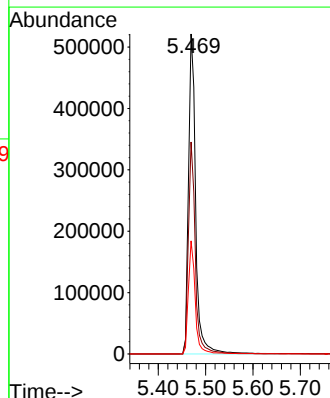
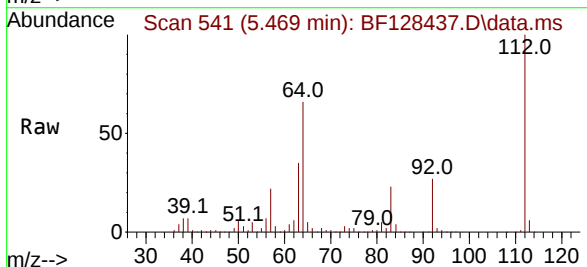
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

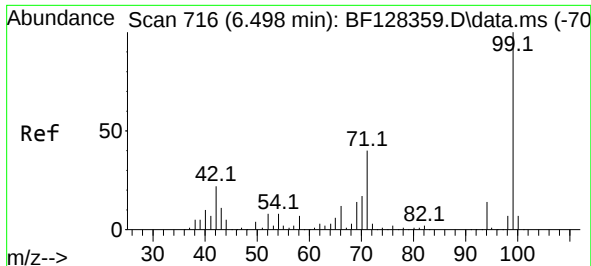
Tgt Ion:152 Resp: 91643
Ion Ratio Lower Upper
152 100
150 157.7 125.3 187.9
115 63.0 48.8 73.2



#5
2-Fluorophenol
Concen: 95.440 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Tgt Ion:112 Resp: 549612
Ion Ratio Lower Upper
112 100
64 66.3 49.5 74.3
63 35.4 26.3 39.5

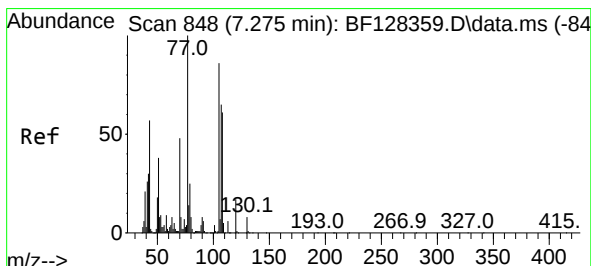
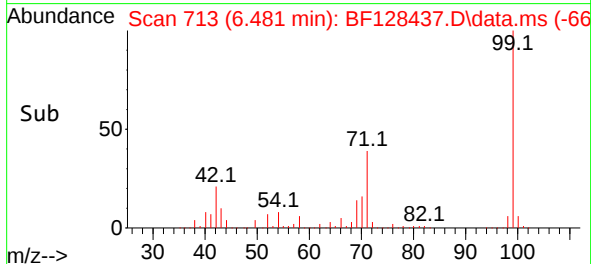
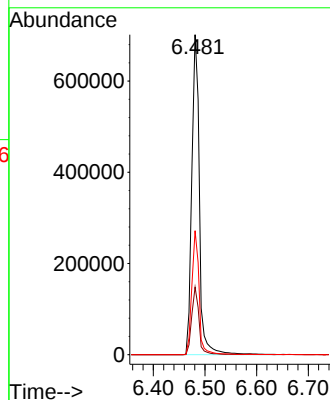
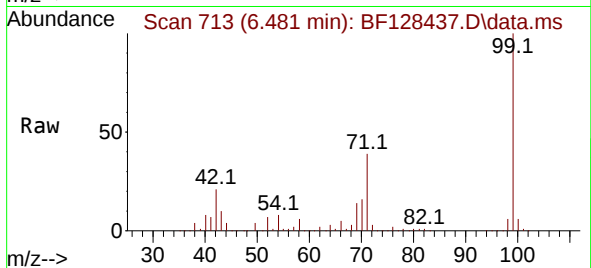




#7
Phenol-d6
Concen: 94.407 ng
RT: 6.481 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

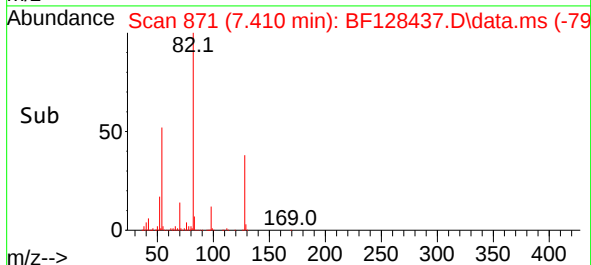
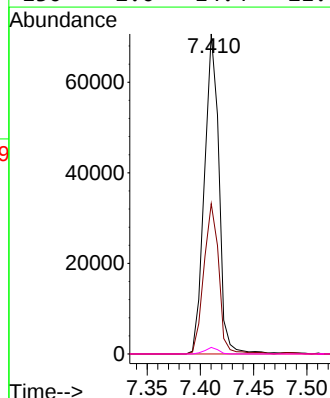
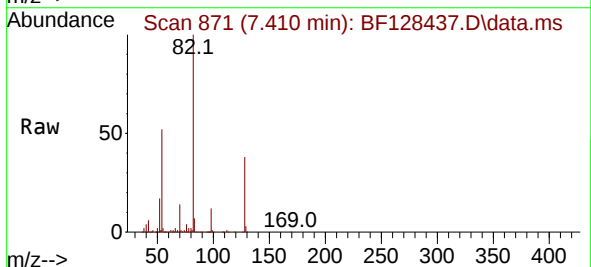
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

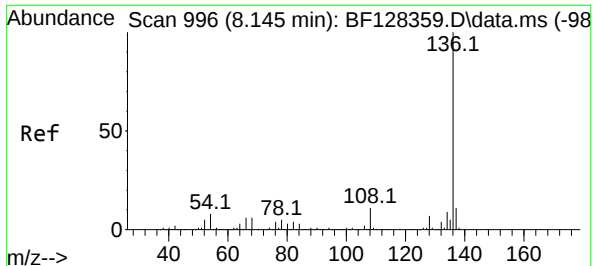
Tgt Ion: 99 Resp: 715890
Ion Ratio Lower Upper
99 100
42 21.1 16.6 24.8
71 38.7 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.871 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.147 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Tgt Ion: 70 Resp: 67441
Ion Ratio Lower Upper
70 100
42 47.0 48.7 73.1#
101 0.0 7.2 10.8#
130 2.0 14.4 21.6#

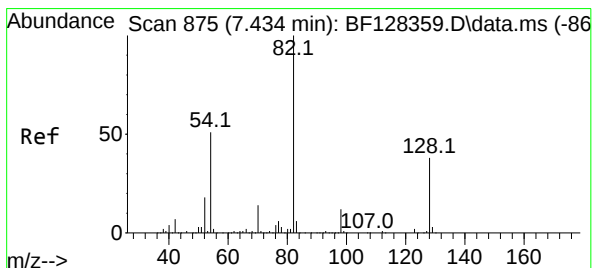
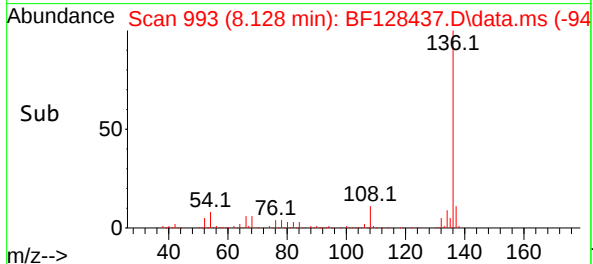
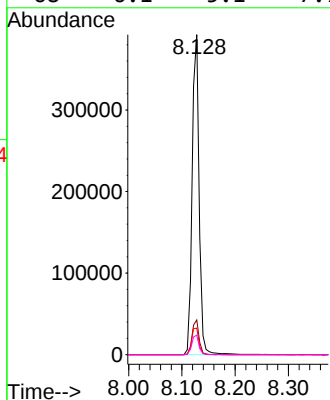
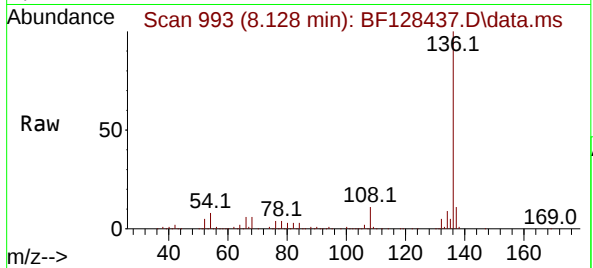




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 996
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

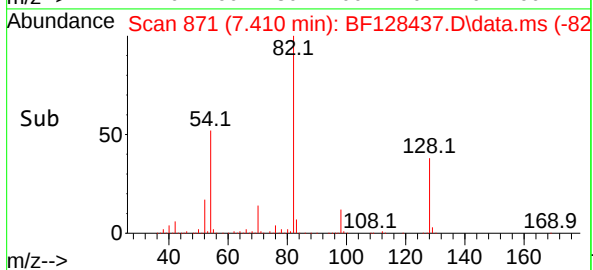
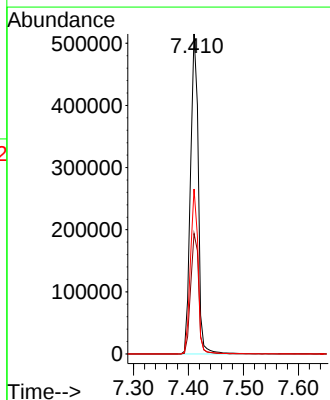
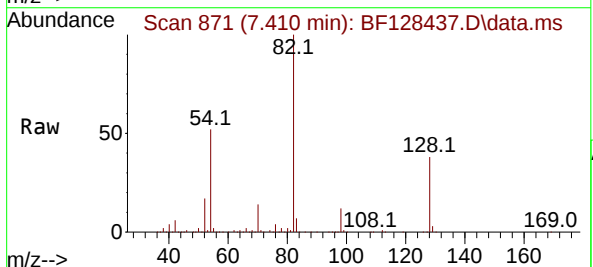
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

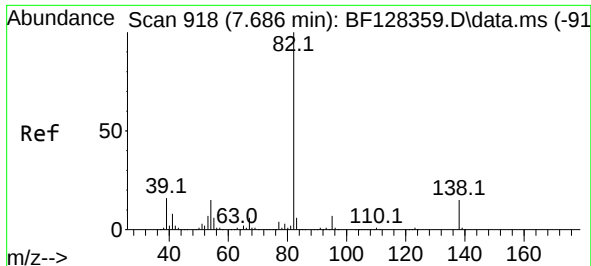
Tgt Ion:136 Resp: 357147
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 6.8 10.2
68 6.1 5.1 7.7



#23
Nitrobenzene-d5
Concen: 63.426 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Tgt Ion: 82 Resp: 505576
Ion Ratio Lower Upper
82 100
128 37.7 30.0 45.0
54 51.5 41.3 61.9

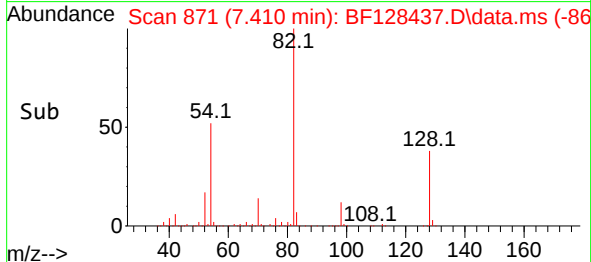
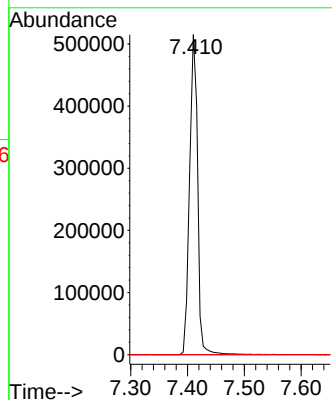
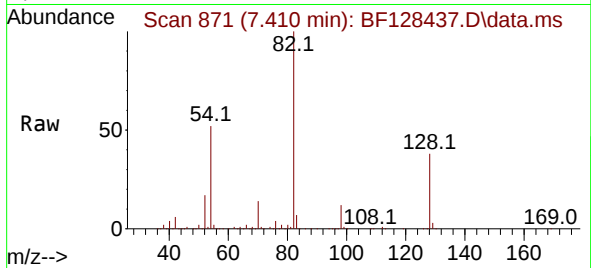




#25
Isophorone
Concen: 41.388 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

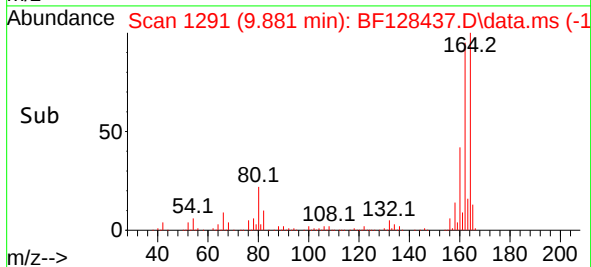
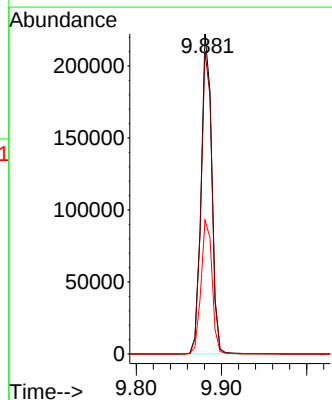
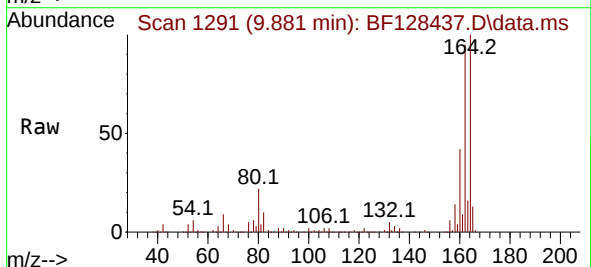
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

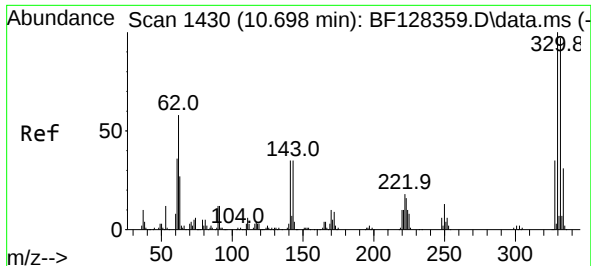
Tgt Ion: 82 Resp: 505571
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Tgt Ion: 164 Resp: 192886
Ion Ratio Lower Upper
164 100
162 94.6 76.0 114.0
160 41.8 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 83.685 ng

RT: 10.681 min Scan# 1430

Delta R.T. -0.006 min

Lab File: BF128437.D

Acq: 24 May 2022 16:17

Instrument :

BNA_F

ClientSampleId :

SB-9(0.5-1)

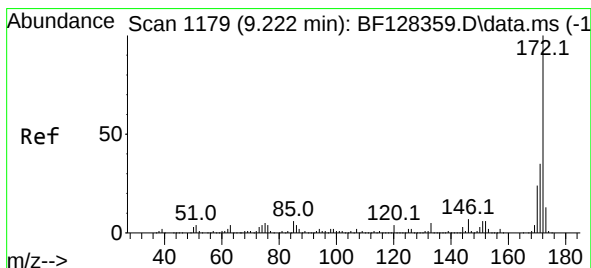
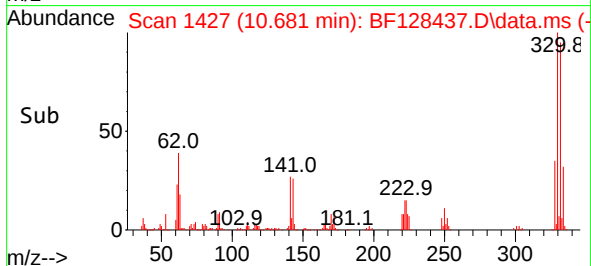
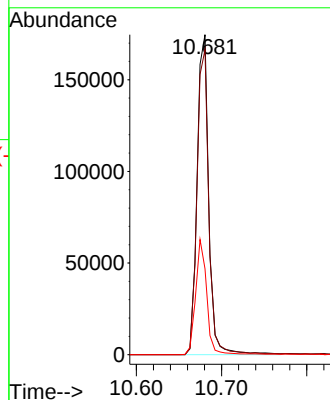
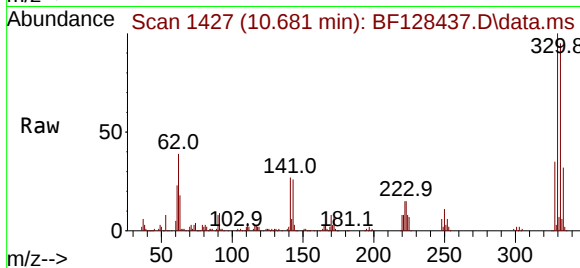
Tgt Ion:330 Resp: 166469

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

141 34.4 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 66.308 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF128437.D

Acq: 24 May 2022 16:17

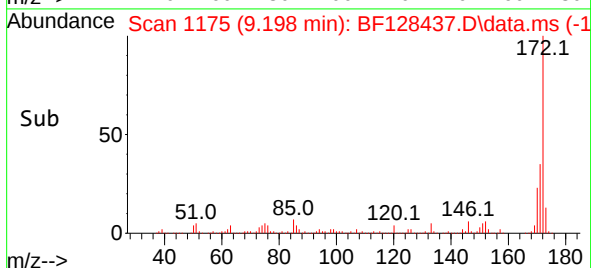
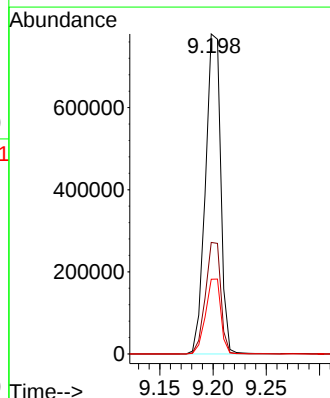
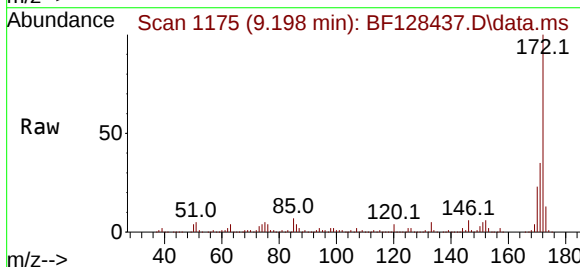
Tgt Ion:172 Resp: 782093

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.4 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.074 ng

RT: 9.881 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF128437.D

Acq: 24 May 2022 16:17

Instrument :

BNA_F

ClientSampleId :

SB-9(0.5-1)

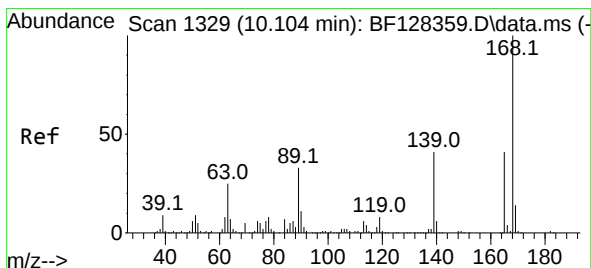
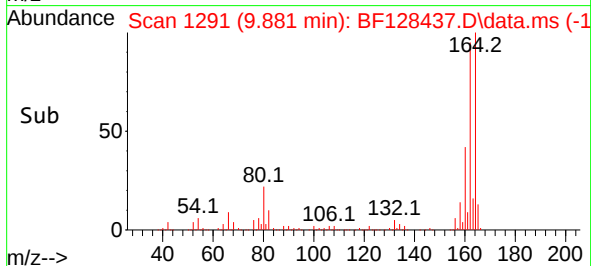
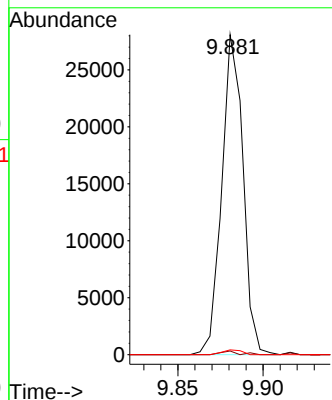
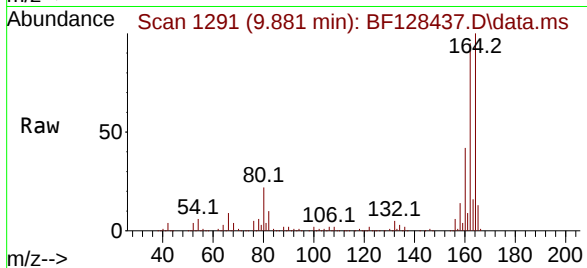
Tgt Ion:165 Resp: 24385

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: 7.202 ng

RT: 9.881 min Scan# 1291

Delta R.T. -0.212 min

Lab File: BF128437.D

Acq: 24 May 2022 16:17

Tgt Ion:165 Resp: 24385

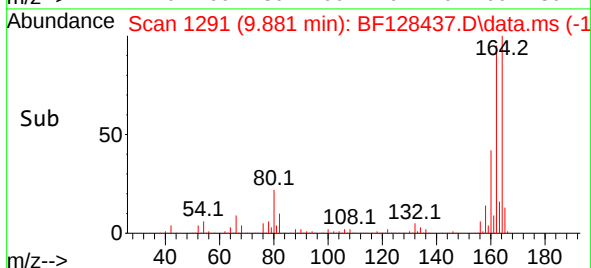
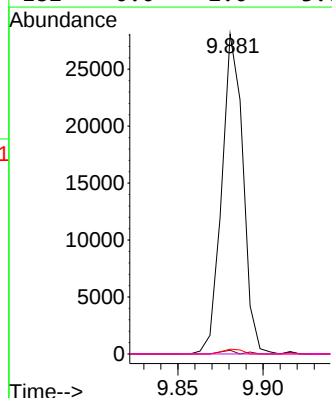
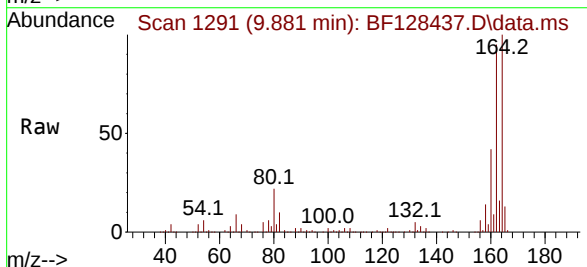
Ion Ratio Lower Upper

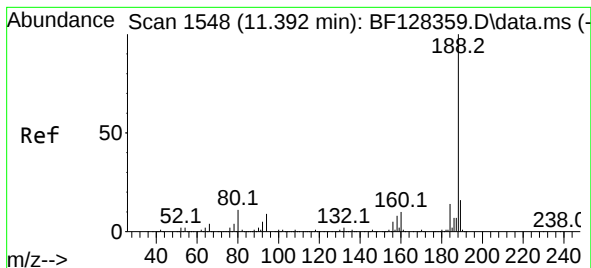
165 100

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: 11.375 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128437.D

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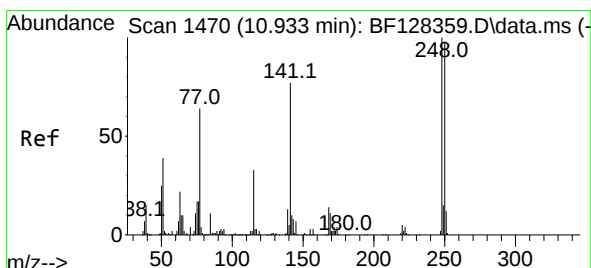
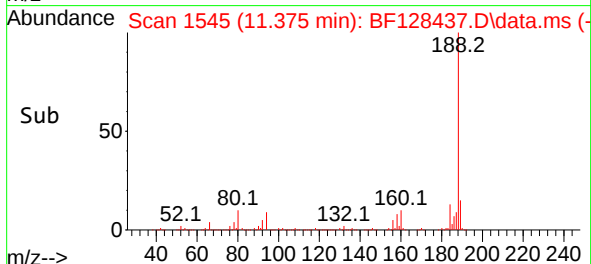
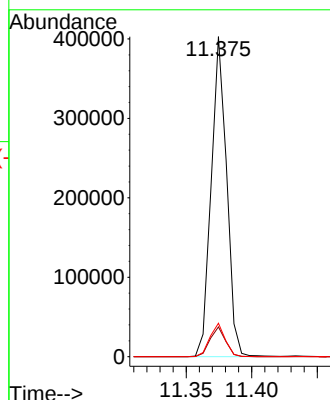
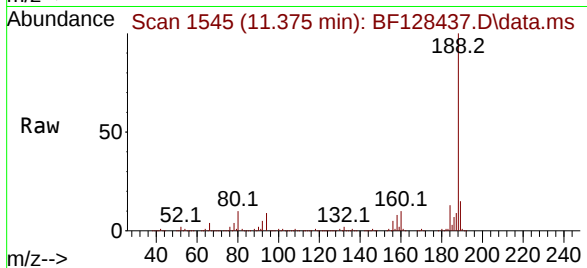
Tgt Ion:188 Resp: 330835

Ion Ratio Lower Upper

188 100

94 9.3 8.0 12.0

80 10.5 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 3.063 ng

RT: 10.675 min Scan# 1426

Delta R.T. -0.241 min

Lab File: BF128437.D

Acq: 24 May 2022 16:17

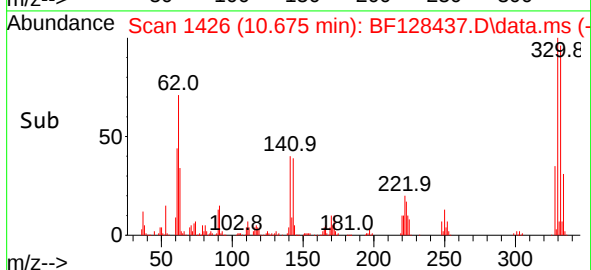
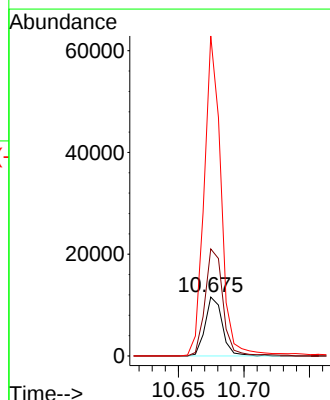
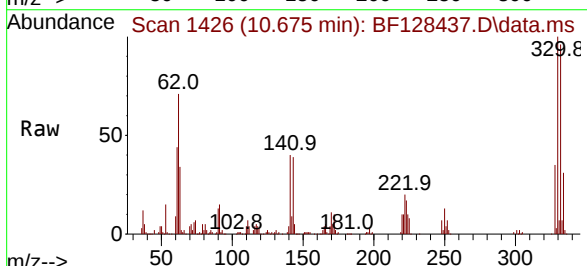
Tgt Ion:248 Resp: 10605

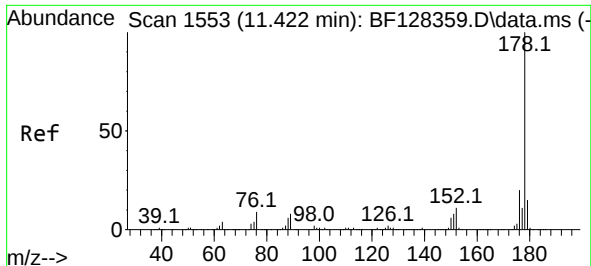
Ion Ratio Lower Upper

248 100

250 181.7 77.7 116.5#

141 543.5 65.6 98.4#

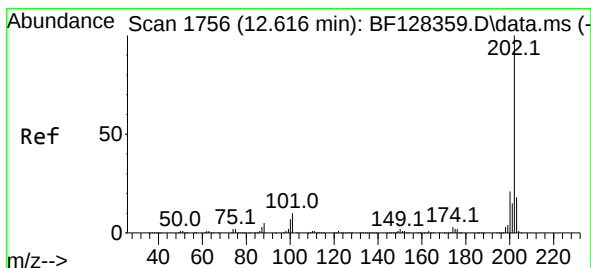
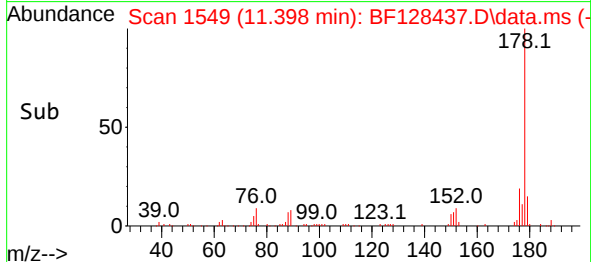
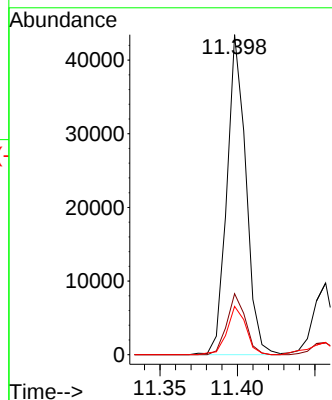
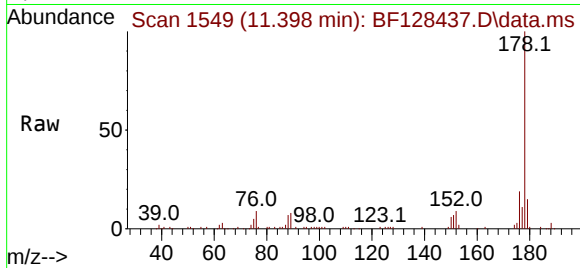




#71
Phenanthrene
Concen: 2.296 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

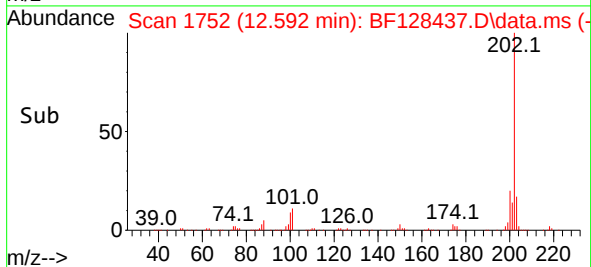
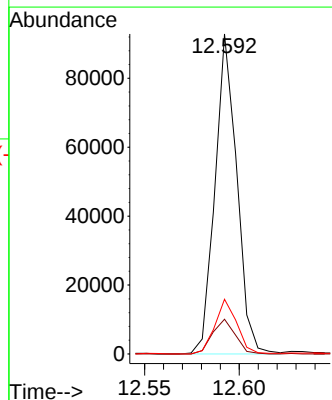
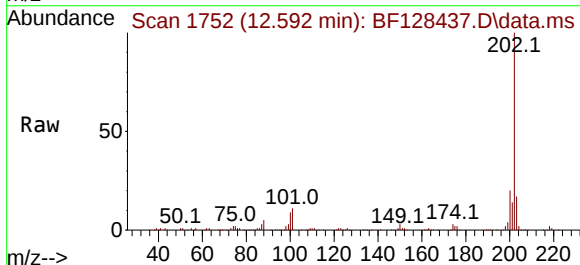
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

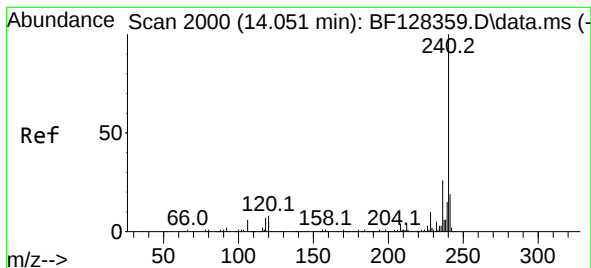
Tgt Ion:178 Resp: 37065
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.1 12.6 19.0



#75
Fluoranthene
Concen: 4.262 ng
RT: 12.592 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Tgt Ion:202 Resp: 74520
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.6
203 17.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF128437.D

Acq: 24 May 2022 16:17

Instrument :

BNA_F

ClientSampleId :

SB-9(0.5-1)

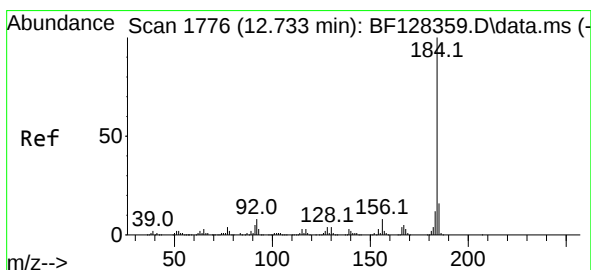
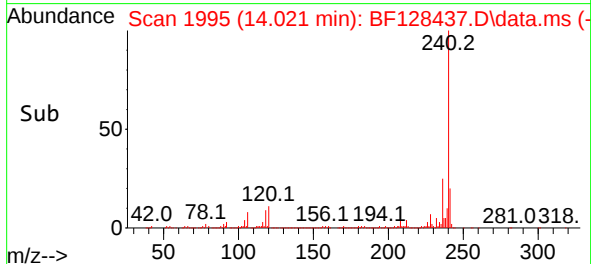
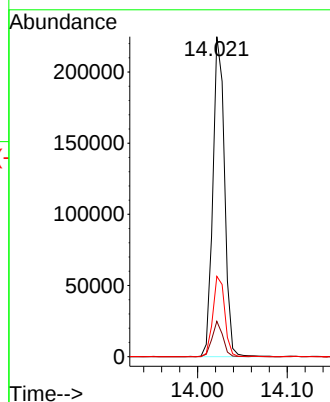
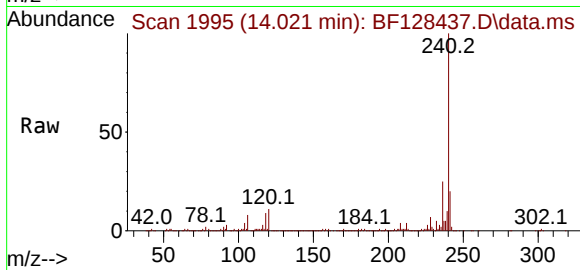
Tgt Ion:240 Resp: 203266

Ion Ratio Lower Upper

240 100

120 11.1 7.0 10.6#

236 25.1 20.3 30.5



#77

Benzidine

Concen: 2.278 ng

RT: 12.963 min Scan# 1815

Delta R.T. 0.241 min

Lab File: BF128437.D

Acq: 24 May 2022 16:17

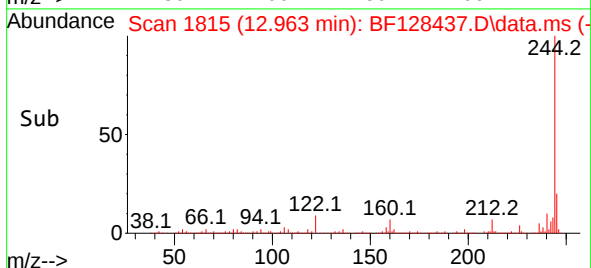
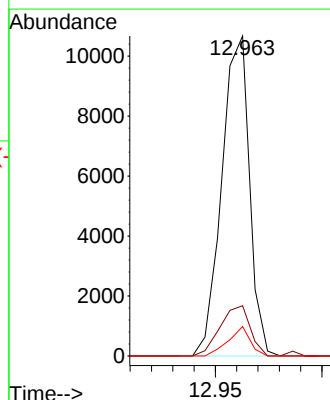
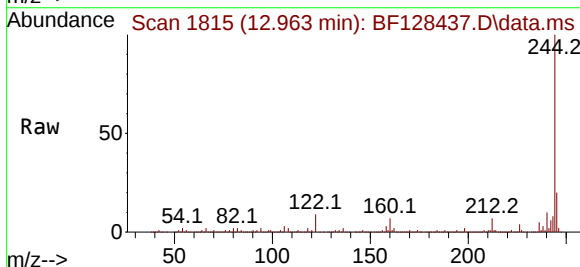
Tgt Ion:184 Resp: 9631

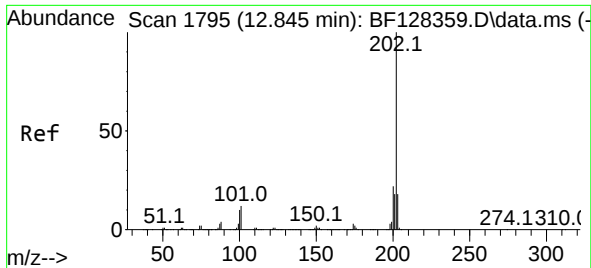
Ion Ratio Lower Upper

184 100

185 15.7 12.1 18.1

183 9.2 9.0 13.4

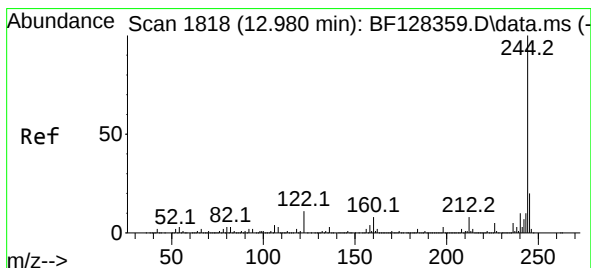
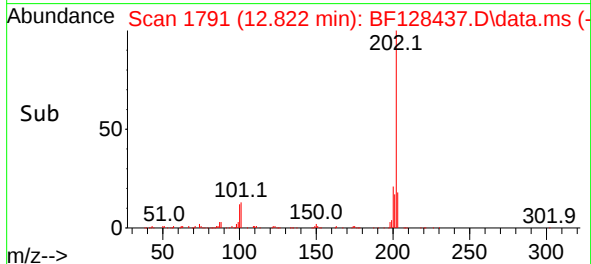
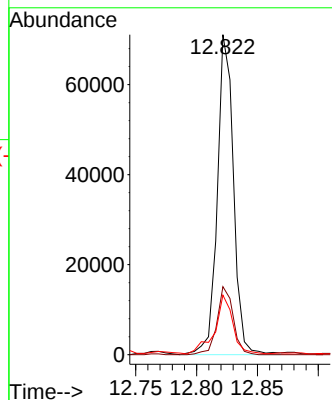
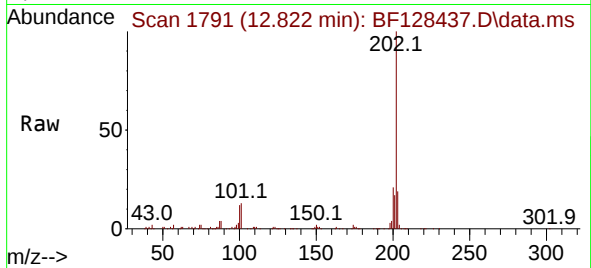




#78
Pyrene
Concen: 4.348 ng
RT: 12.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

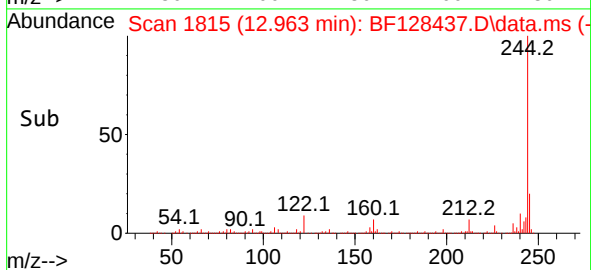
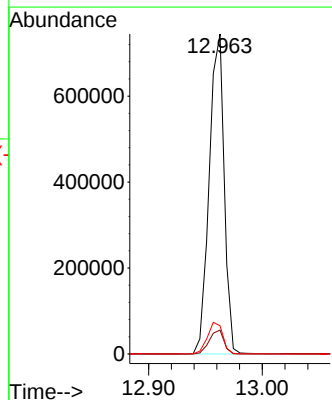
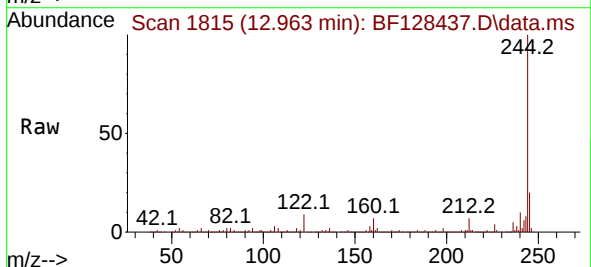
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

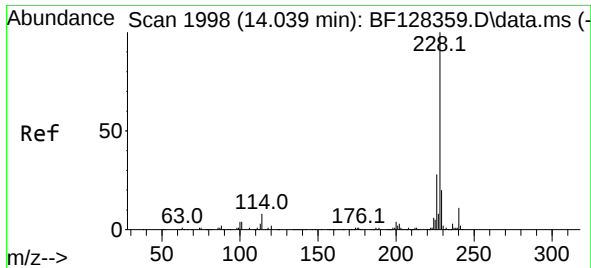
Tgt Ion:202 Resp: 66166
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.6 14.0 21.0



#79
Terphenyl-d14
Concen: 64.483 ng
RT: 12.963 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Tgt Ion:244 Resp: 678983
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 8.8 8.6 12.8

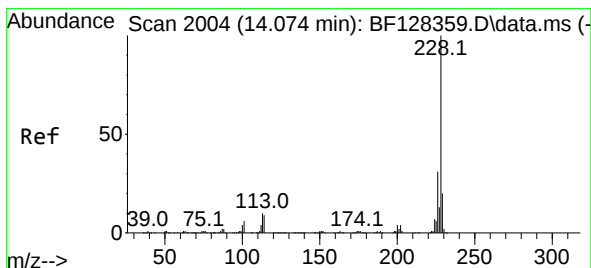
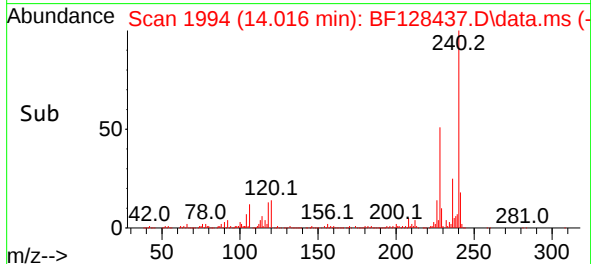
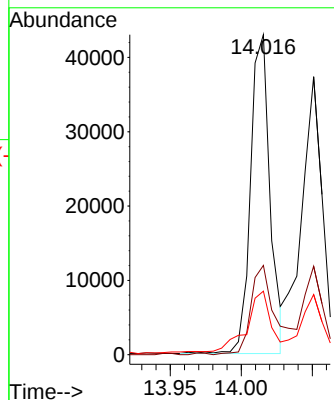
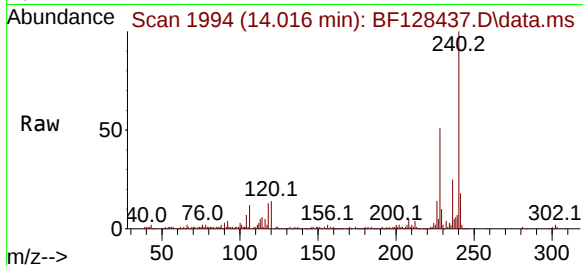




#81
Benzo(a)anthracene
Concen: 3.181 ng
RT: 14.016 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

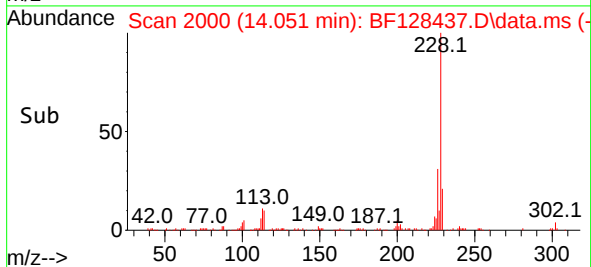
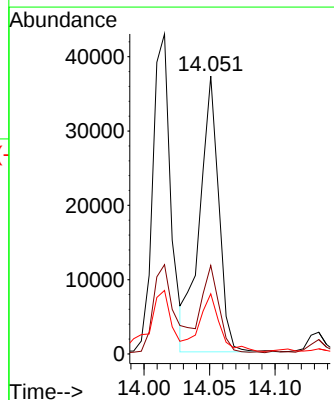
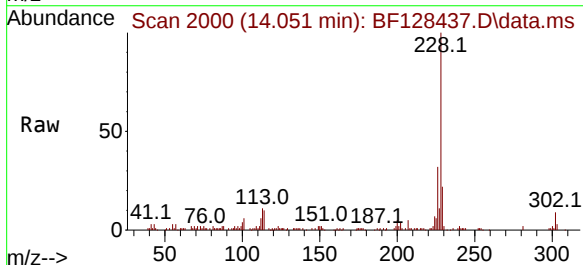
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

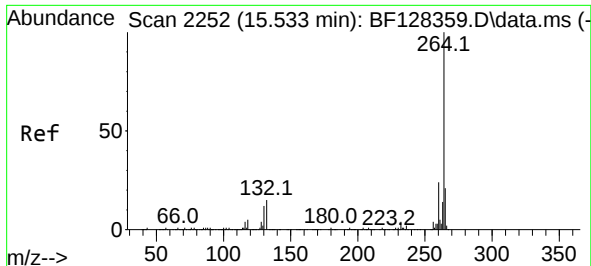
Tgt Ion:228 Resp: 41143
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 19.9 15.4 23.2



#83
Chrysene
Concen: 3.079 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Tgt Ion:228 Resp: 37924
Ion Ratio Lower Upper
228 100
226 31.8 24.4 36.6
229 21.7 15.8 23.8

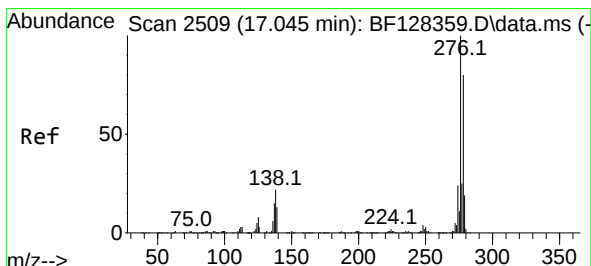
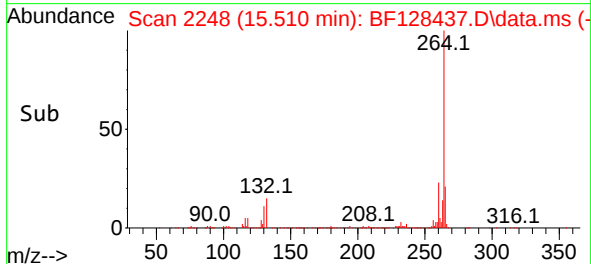
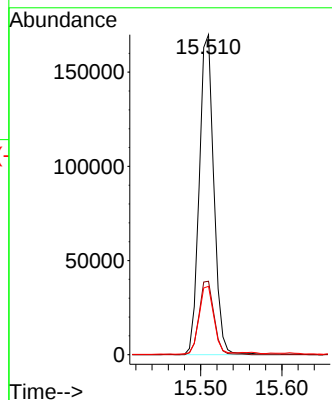
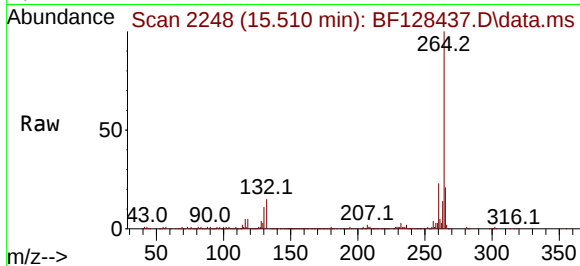




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

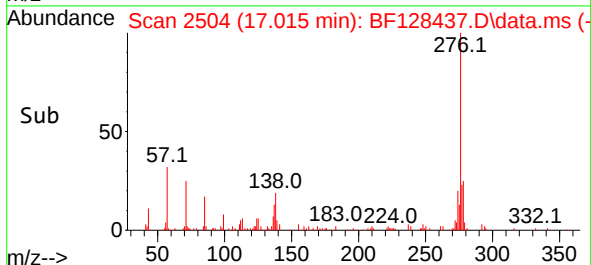
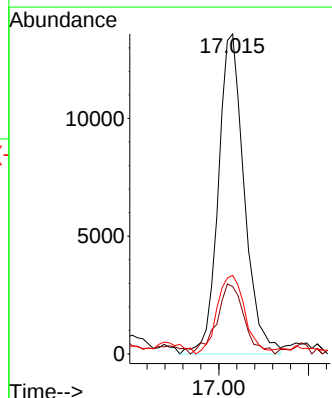
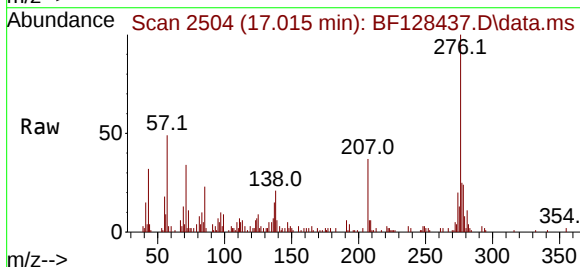
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

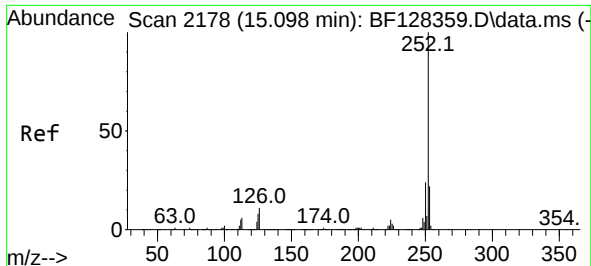
Tgt Ion:264 Resp: 212437
Ion Ratio Lower Upper
264 100
260 22.9 20.1 30.1
265 21.4 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.249 ng
RT: 17.015 min Scan# 2504
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Tgt Ion:276 Resp: 27266
Ion Ratio Lower Upper
276 100
138 23.1 19.0 28.4
277 26.2 20.1 30.1

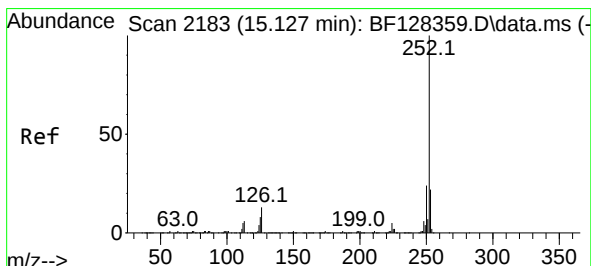
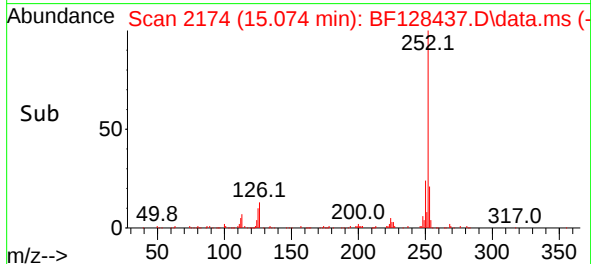
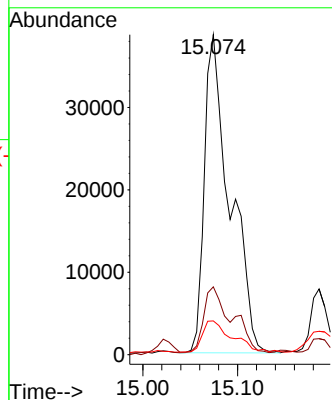
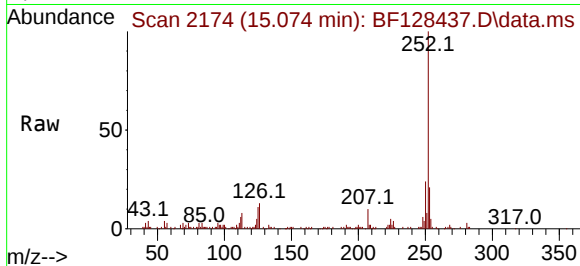




#88
Benzo(b)fluoranthene
Concen: 5.497 ng
RT: 15.074 min Scan# 2174
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

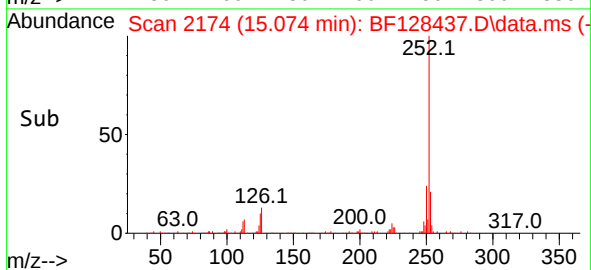
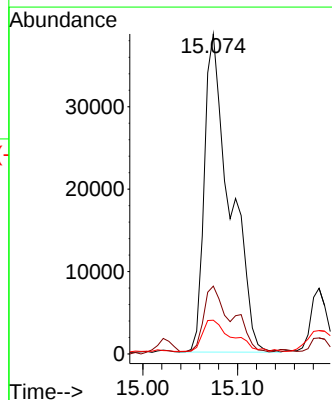
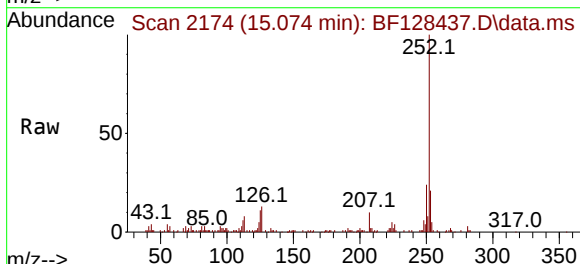
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

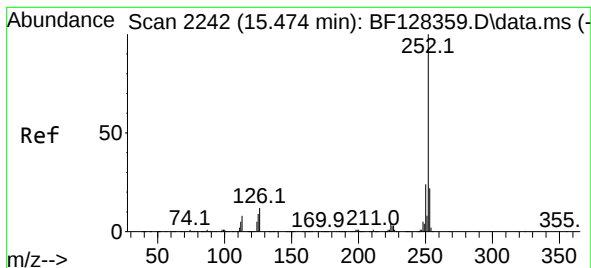
Tgt Ion:252 Resp: 72641
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 10.6 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 5.869 ng
RT: 15.074 min Scan# 2174
Delta R.T. -0.029 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Tgt Ion:252 Resp: 72641
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.4
125 10.6 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 3.560 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128437.D

Acq: 24 May 2022 16:17

Instrument :

BNA_F

ClientSampleId :

SB-9(0.5-1)

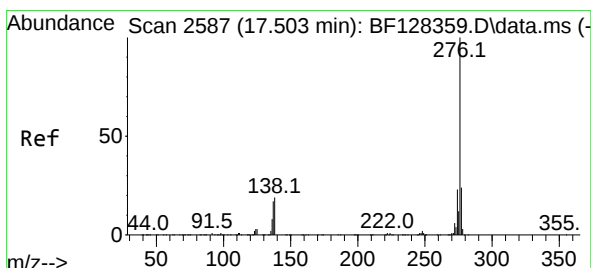
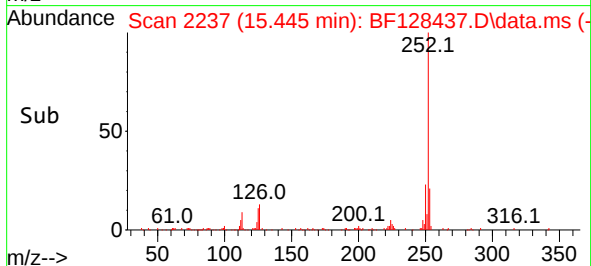
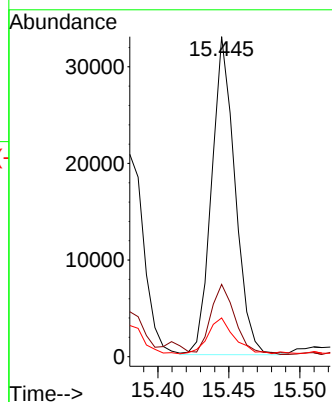
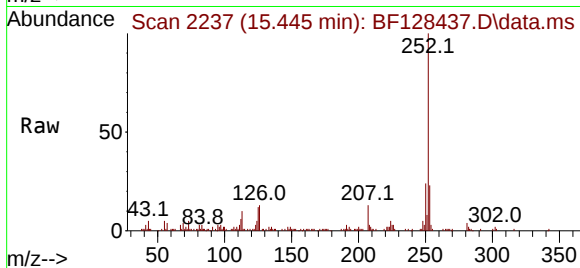
Tgt Ion:252 Resp: 37764

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 12.1 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 2.372 ng

RT: 17.474 min Scan# 2582

Delta R.T. 0.000 min

Lab File: BF128437.D

Acq: 24 May 2022 16:17

Tgt Ion:276 Resp: 24075

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 23.1 16.2 24.2

