

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128443.D
 Acq On : 24 May 2022 19:13
 Operator : CG\JU
 Sample : N2981-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0.5-1)

Quant Time: May 25 03:56:04 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

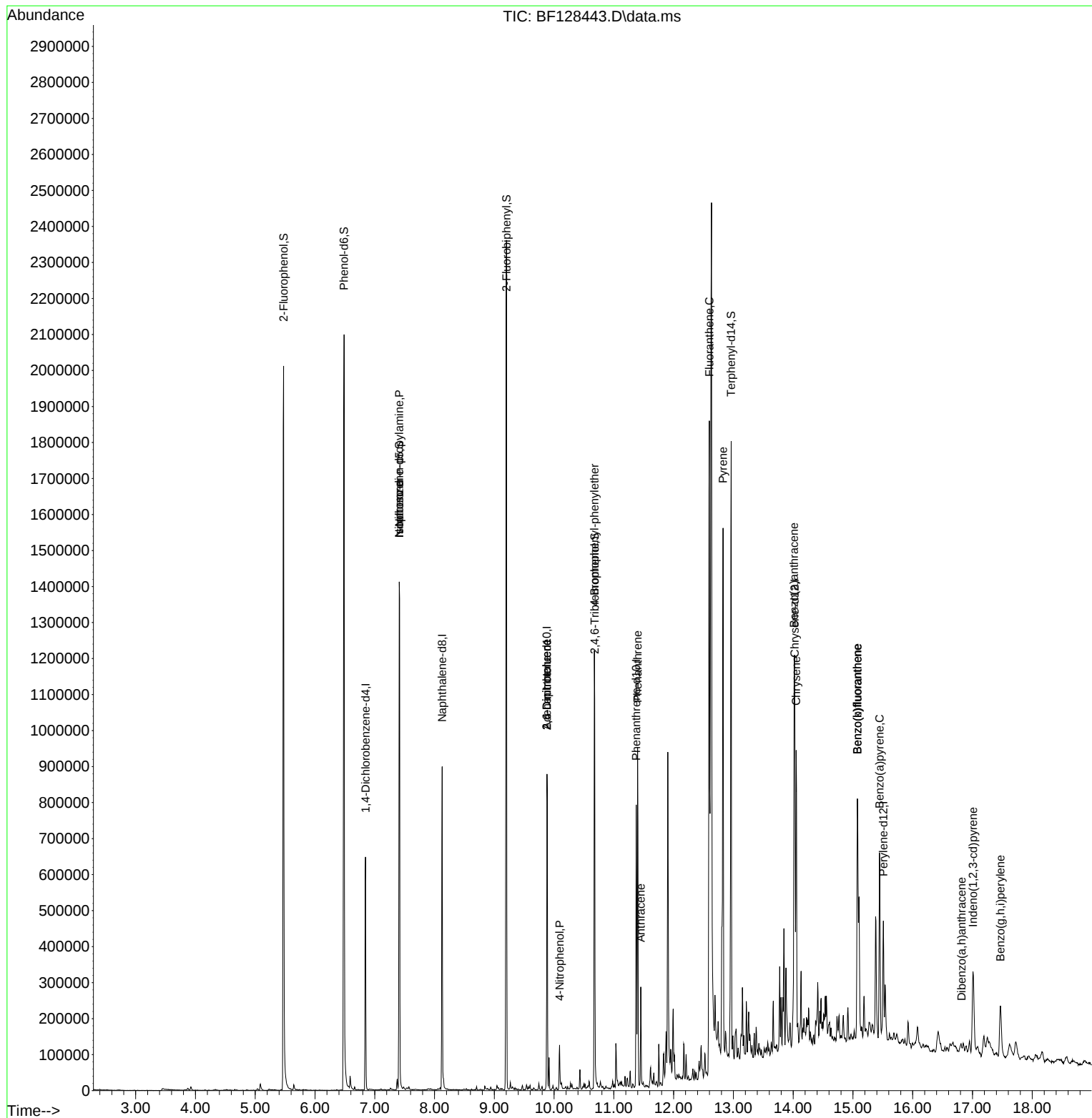
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	91920	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	357169	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	180739	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	271561	20.000	ng	0.00
76) Chrysene-d12	14.027	240	193813	20.000	ng	0.00
86) Perylene-d12	15.510	264	150405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	562193	97.330	ng	0.00
7) Phenol-d6	6.487	99	729598	95.925	ng	0.00
23) Nitrobenzene-d5	7.410	82	503788	63.198	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	145653	78.142	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	726566	65.740	ng	0.00
79) Terphenyl-d14	12.963	244	574630	57.234	ng	0.00
Target Compounds						
9) Benzaldehyde	6.440	77	560	Below Cal	Qvalue	# 40
19) n-Nitroso-di-n-propyla...	7.410	70	66935	14.714	ng	# 81
25) Isophorone	7.410	82	503623	41.226	ng	# 68
51) 2,6-Dinitrotoluene	9.880	165	23598	9.372	ng	# 21
56) 4-Nitrophenol	10.092	139	3460	2.122	ng	# 4
57) 2,4-Dinitrotoluene	9.880	165	23598	7.438	ng	# 26
67) 4-Bromophenyl-phenylether	10.675	248	8847	3.113	ng	# 1
71) Phenanthrene	11.398	178	330888	24.967	ng	100
72) Anthracene	11.451	178	95330	7.238	ng	100
75) Fluoranthene	12.598	202	694422	48.384	ng	98
78) Pyrene	12.827	202	613911	42.305	ng	99
81) Benzo(a)anthracene	14.015	228	397108	32.204	ng	97
83) Chrysene	14.051	228	318730	27.139	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	134618	15.681	ng	# 94
88) Benzo(b)fluoranthene	15.074	252	508460	54.345	ng	99
89) Benzo(k)fluoranthene	15.074	252	508460	58.023	ng	97
90) Benzo(a)pyrene	15.445	252	247490	32.952	ng	98
91) Dibenzo(a,h)anthracene	16.815	278	21323	3.096	ng	97
92) Benzo(g,h,i)perylene	17.468	276	119727	16.661	ng	99

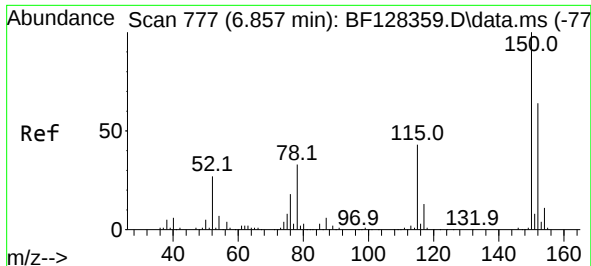
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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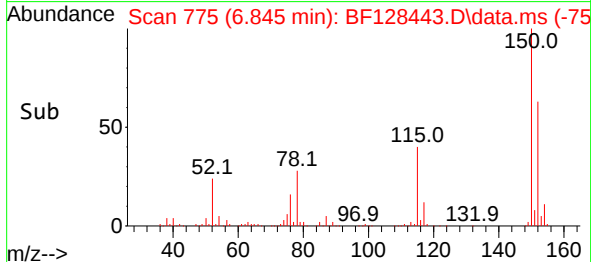
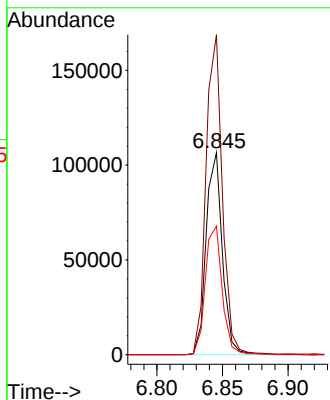
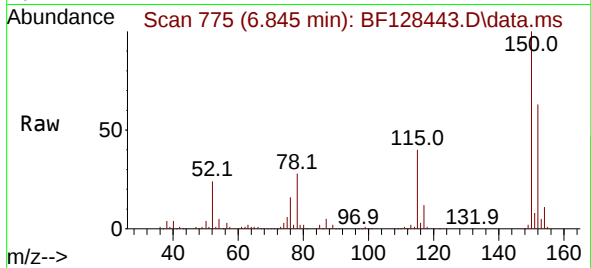




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

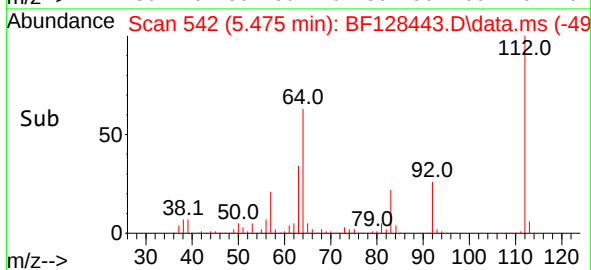
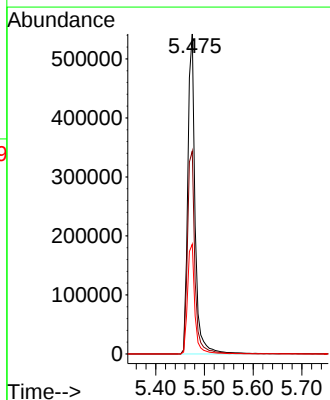
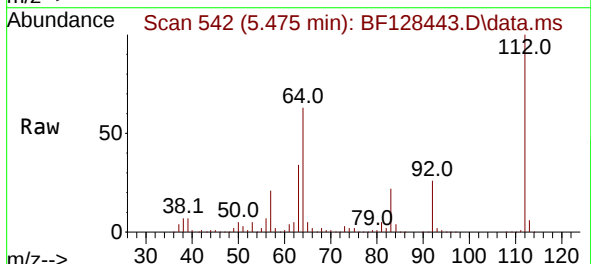
Instrument :
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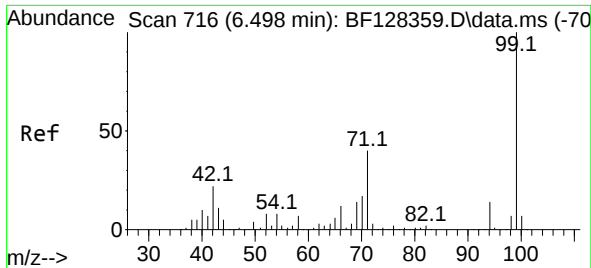
Tgt Ion:152 Resp: 91920
Ion Ratio Lower Upper
152 100
150 158.4 125.3 187.9
115 63.7 48.8 73.2



#5
2-Fluorophenol
Concen: 97.330 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Tgt Ion:112 Resp: 562193
Ion Ratio Lower Upper
112 100
64 63.4 49.5 74.3
63 34.3 26.3 39.5

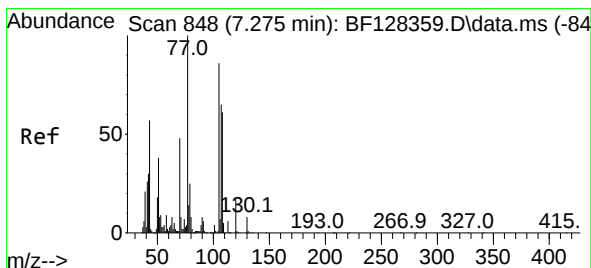
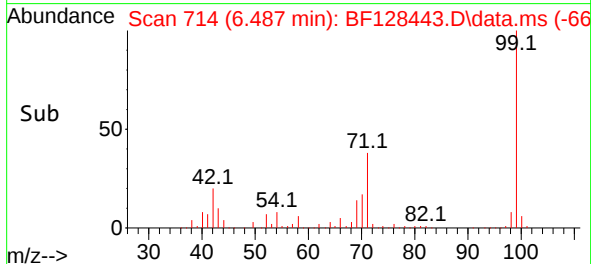
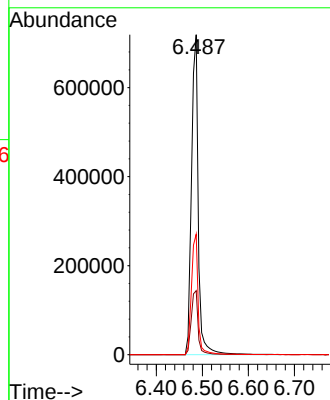
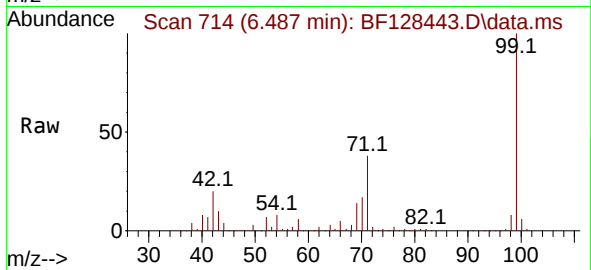




#7
Phenol-d6
Concen: 95.925 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

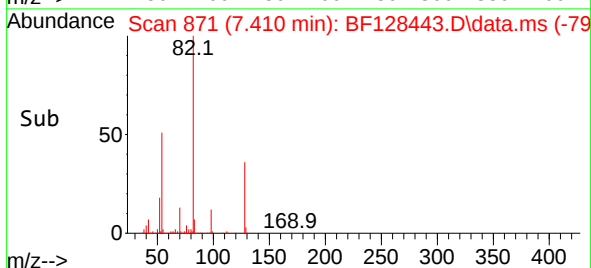
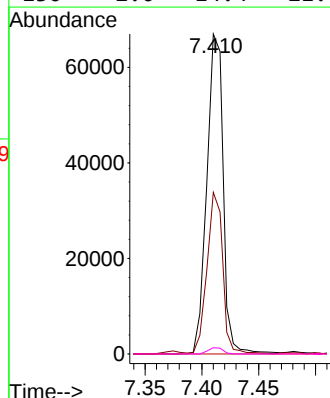
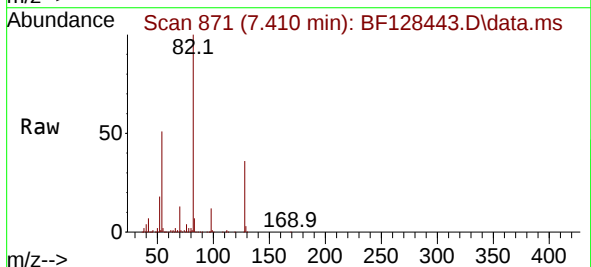
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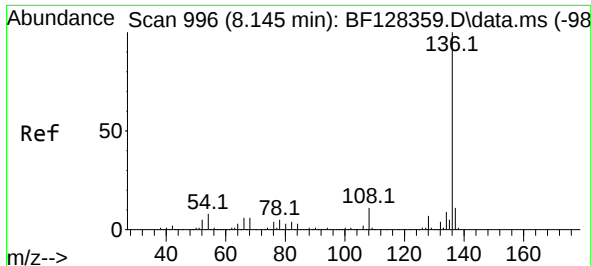
Tgt Ion: 99 Resp: 729598
Ion Ratio Lower Upper
99 100
42 20.0 16.6 24.8
71 37.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.714 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.147 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Tgt Ion: 70 Resp: 66935
Ion Ratio Lower Upper
70 100
42 50.5 48.7 73.1
101 0.0 7.2 10.8#
130 2.0 14.4 21.6#

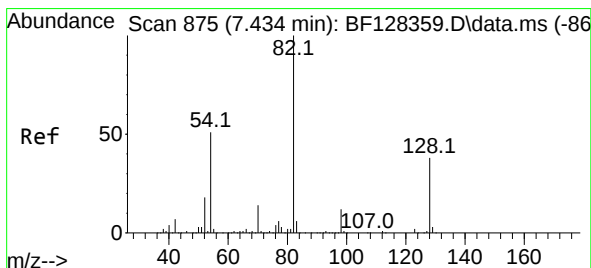
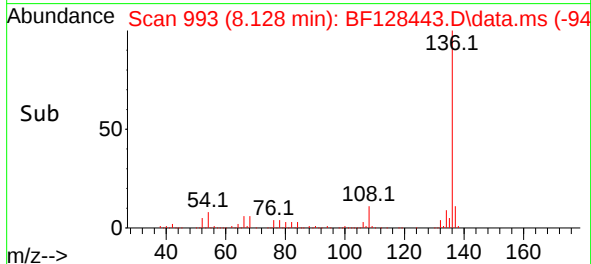
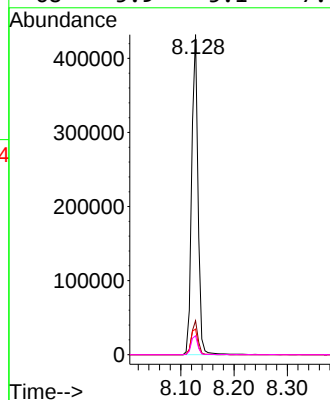
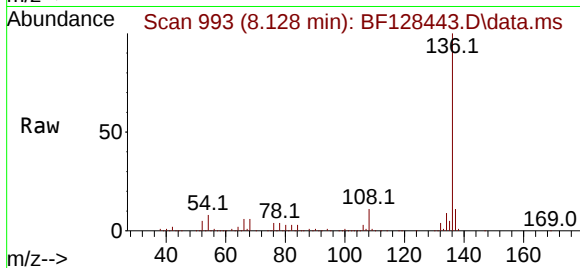




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 996
Delta R.T. -0.000 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

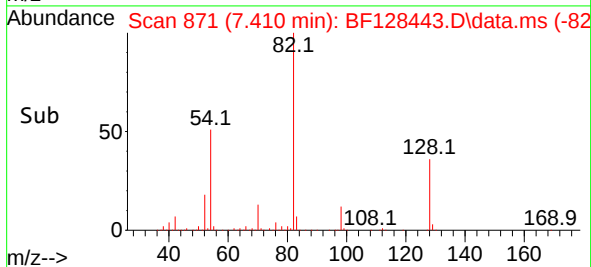
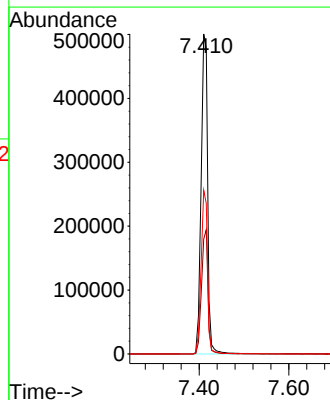
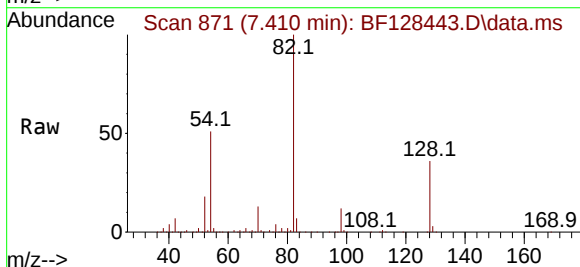
Instrument :
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ClientSampleId :
SB-14(0.5-1)

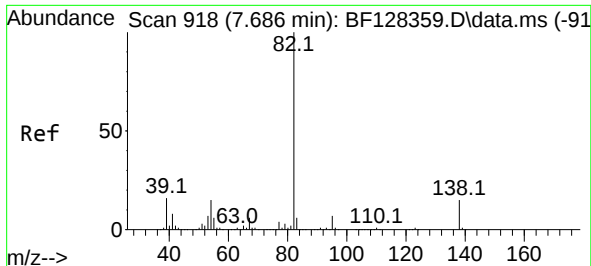
Tgt Ion:136 Resp: 357169
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.0 6.8 10.2
68 5.9 5.1 7.7



#23
Nitrobenzene-d5
Concen: 63.198 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Tgt Ion: 82 Resp: 503788
Ion Ratio Lower Upper
82 100
128 35.9 30.0 45.0
54 51.1 41.3 61.9

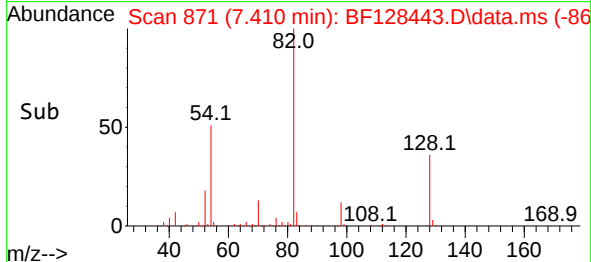
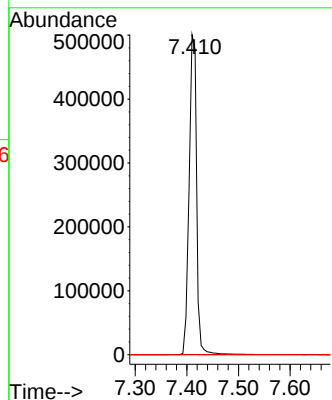
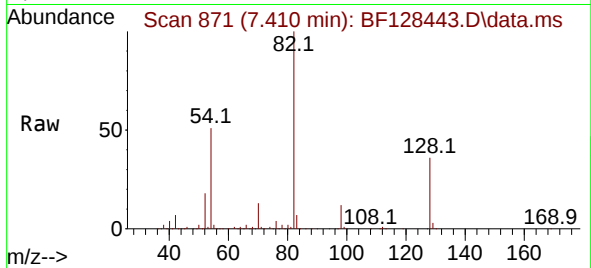




#25
Isophorone
Concen: 41.226 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

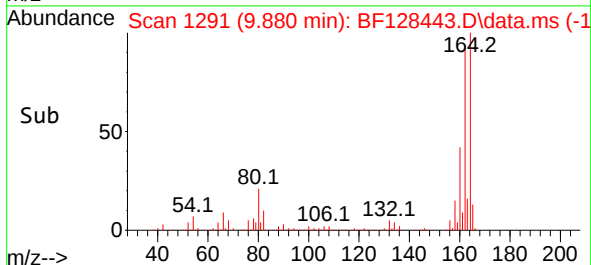
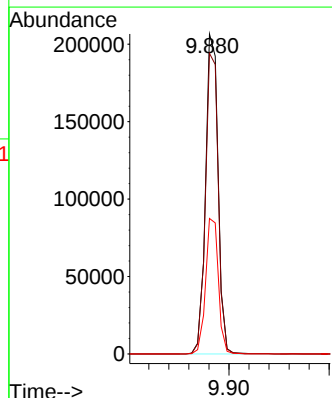
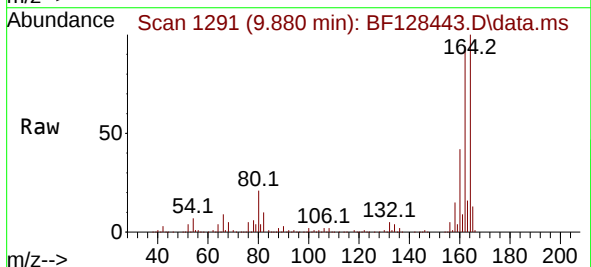
Instrument :
BNA_F
ClientSampleId :
SB-14(0.5-1)

Tgt Ion: 82 Resp: 503623
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: BF128443.D
Acq: 24 May 2022 19:13

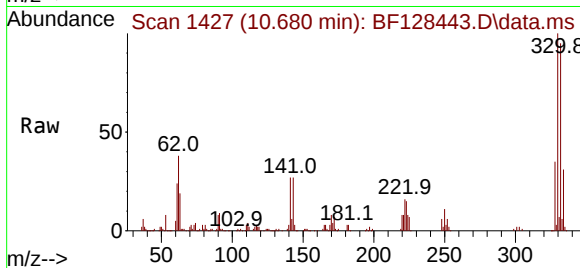
Tgt Ion:164 Resp: 180739
Ion Ratio Lower Upper
164 100
162 93.9 76.0 114.0
160 42.3 34.8 52.2



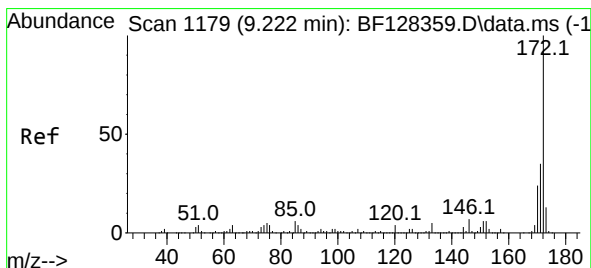
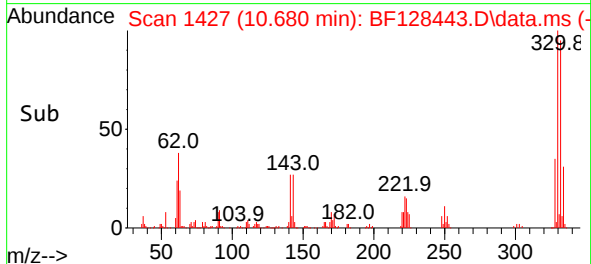
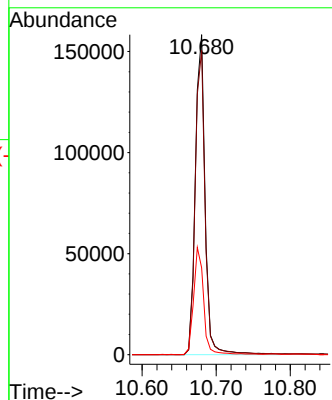


#42
 2,4,6-Tribromophenol
 Concen: 78.142 ng
 RT: 10.680 min Scan# 1427
 Delta R.T. -0.006 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0.5-1)

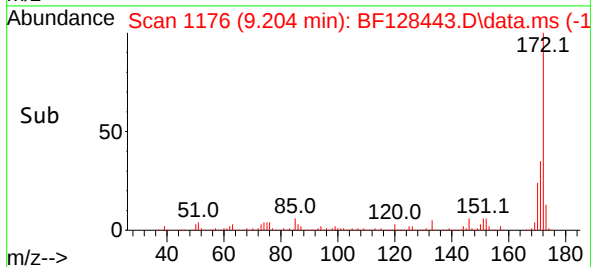
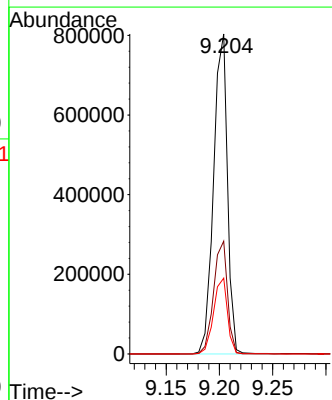
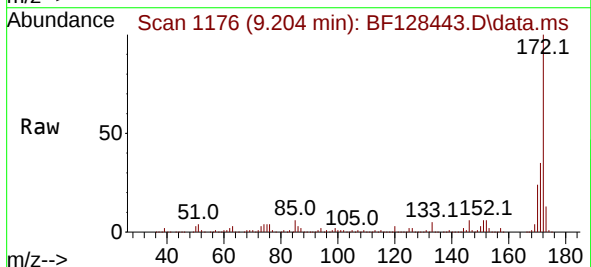


Tgt Ion:330 Resp: 145653
 Ion Ratio Lower Upper
 330 100
 332 95.6 79.0 118.4
 141 34.4 28.9 43.3



#45
 2-Fluorobiphenyl
 Concen: 65.740 ng
 RT: 9.204 min Scan# 1176
 Delta R.T. -0.000 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

Tgt Ion:172 Resp: 726566
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 42.8
 170 23.7 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.372 ng

RT: 9.880 min Scan# 1259

Delta R.T. 0.200 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

SB-14(0.5-1)

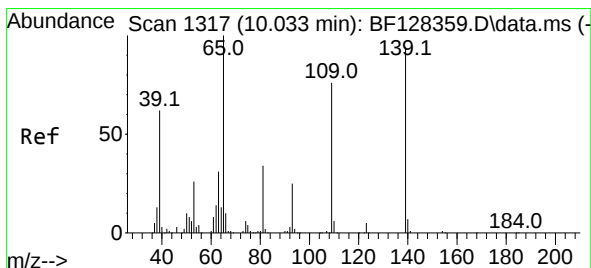
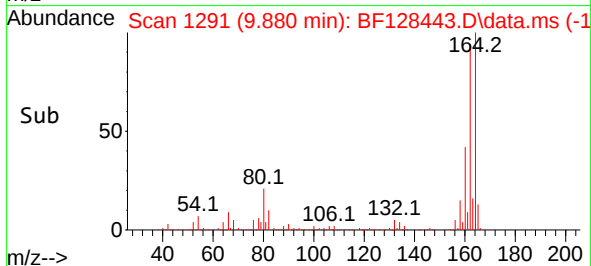
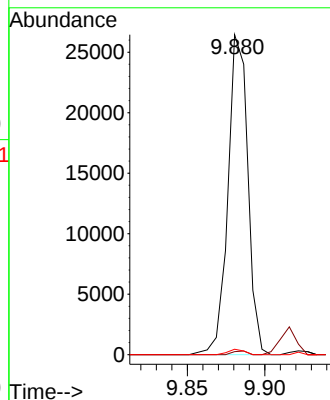
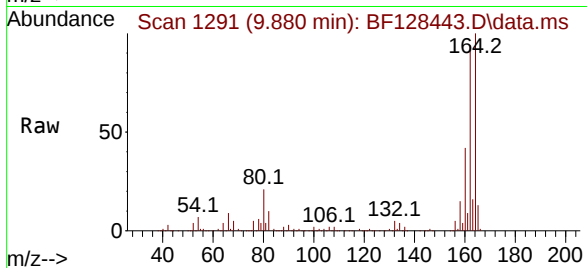
Tgt Ion:165 Resp: 23598

Ion Ratio Lower Upper

165 100

63 1.0 49.5 74.3#

89 1.7 49.0 73.4#



#56

4-Nitrophenol

Concen: 2.122 ng

RT: 10.092 min Scan# 1327

Delta R.T. 0.065 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

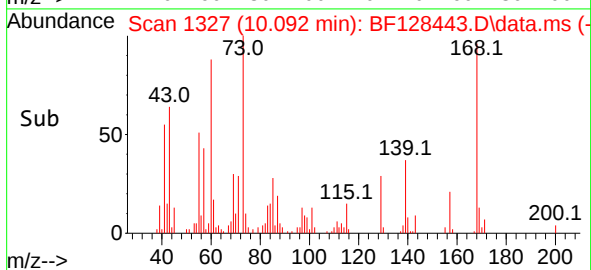
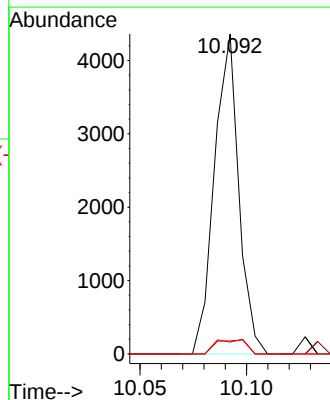
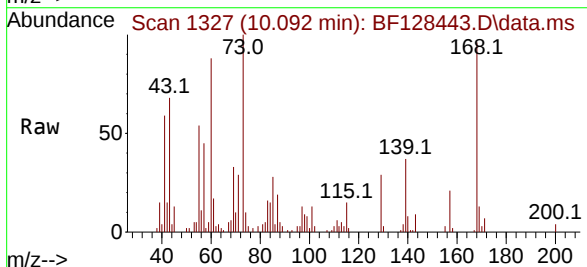
Tgt Ion:139 Resp: 3460

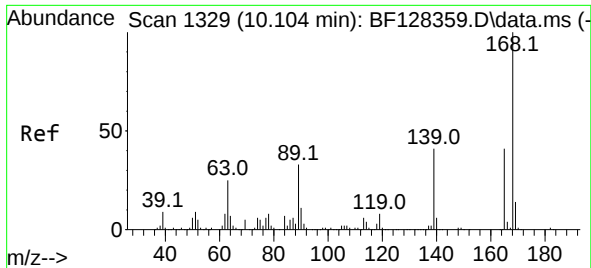
Ion Ratio Lower Upper

139 100

109 4.0 61.9 101.9#

65 3.7 93.5 133.5#

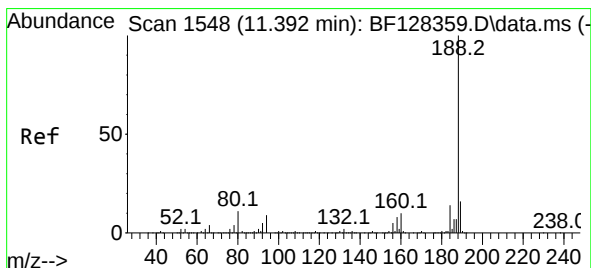
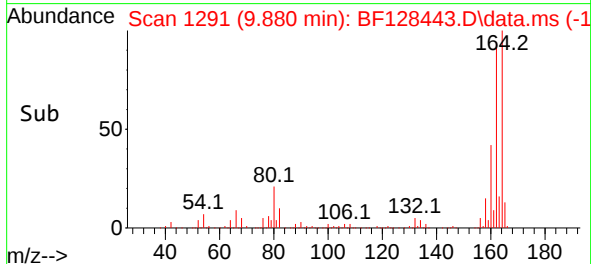
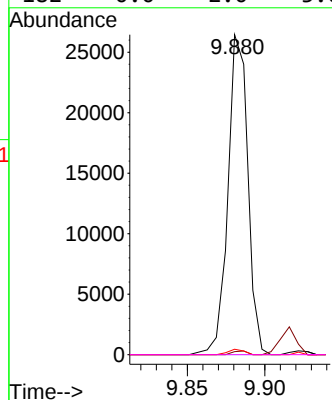
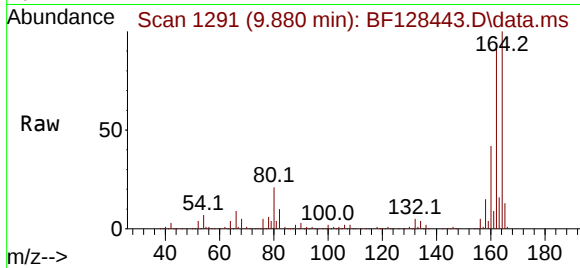




#57
2,4-Dinitrotoluene
Concen: 7.438 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

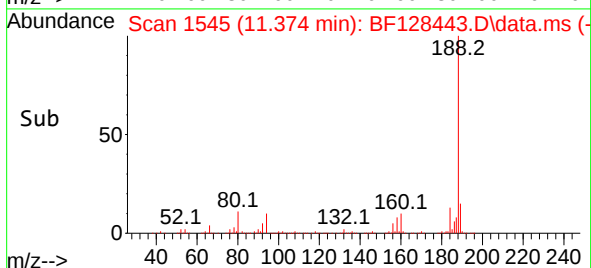
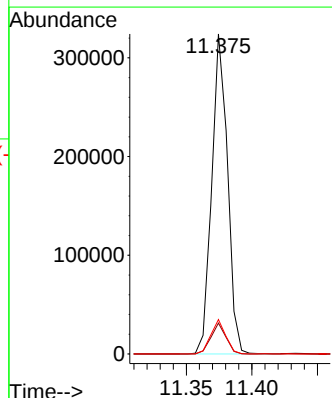
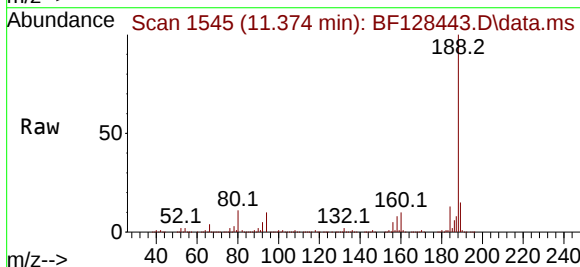
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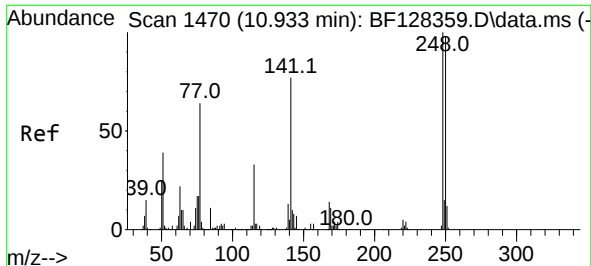
Tgt Ion:165 Resp: 23598
Ion Ratio Lower Upper
165 100
63 1.0 32.6 49.0#
89 1.7 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Tgt Ion:188 Resp: 271561
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: 3.113 ng

RT: 10.675 min Scan# 14

Delta R.T. -0.241 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

SB-14(0.5-1)

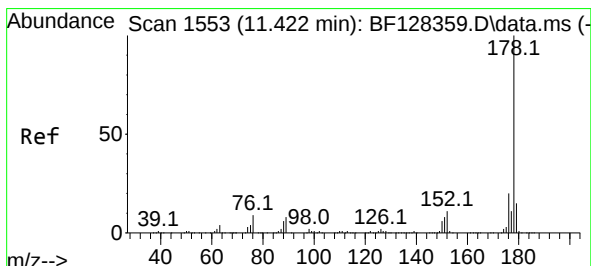
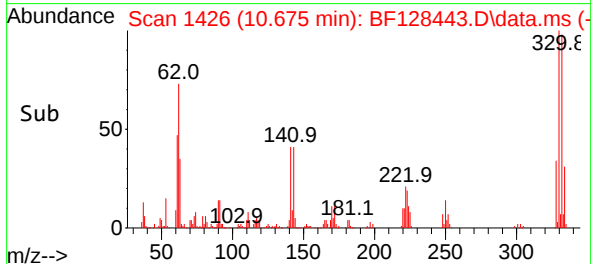
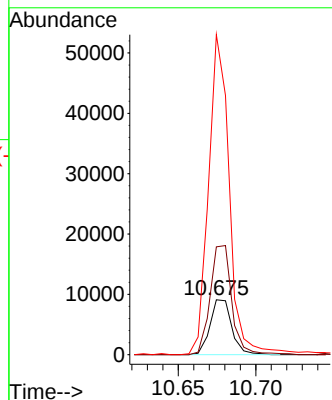
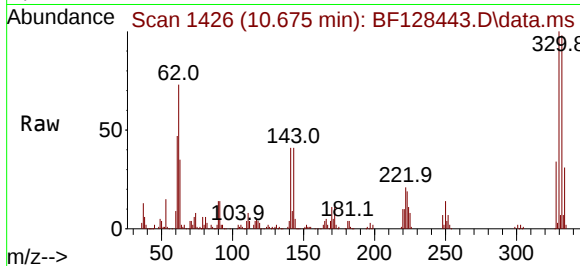
Tgt Ion:248 Resp: 8847

Ion Ratio Lower Upper

248 100

250 196.8 77.7 116.5#

141 583.7 65.6 98.4#



#71

Phenanthrene

Concen: 24.967 ng

RT: 11.398 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

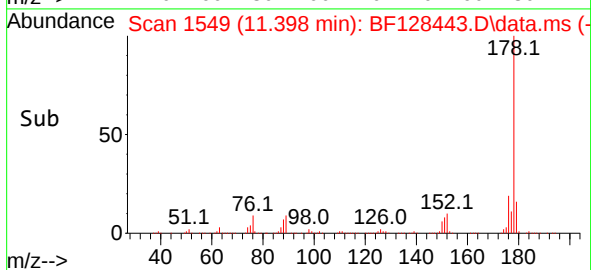
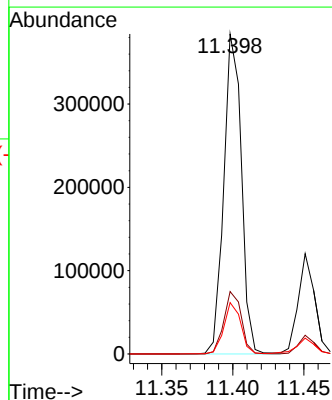
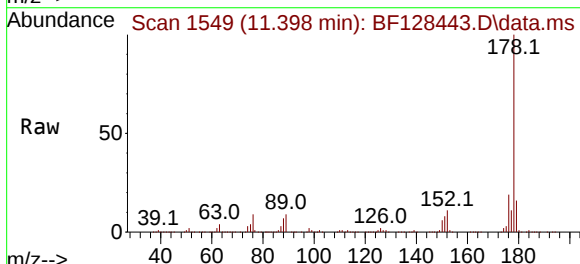
Tgt Ion:178 Resp: 330888

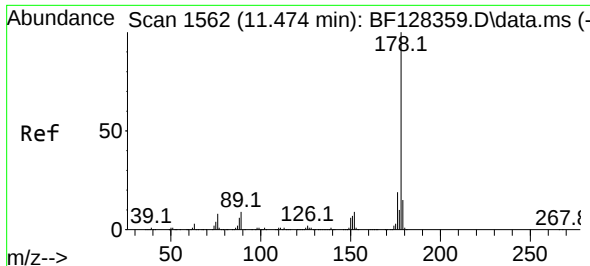
Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 16.1 12.6 19.0

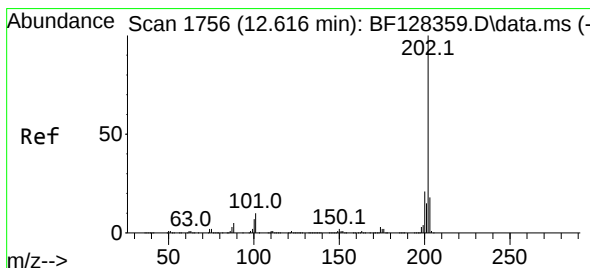
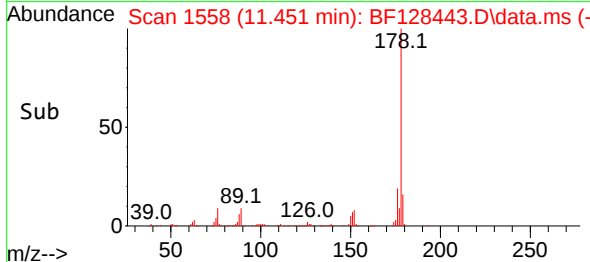
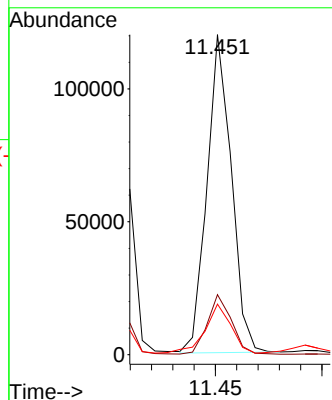
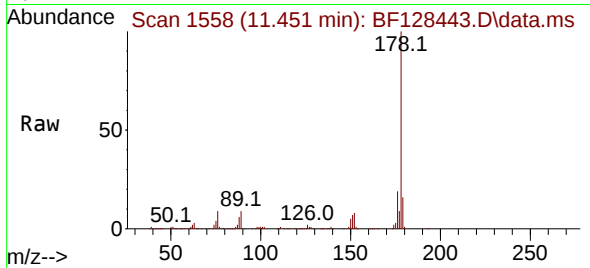




#72
 Anthracene
 Concen: 7.238 ng
 RT: 11.451 min Scan# 1558
 Delta R.T. -0.006 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

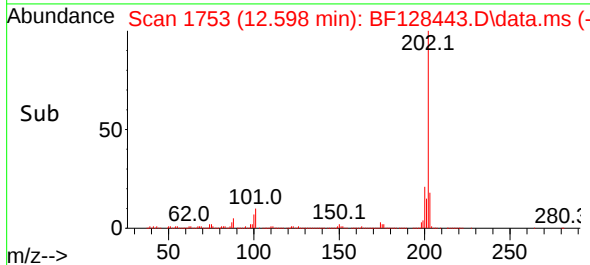
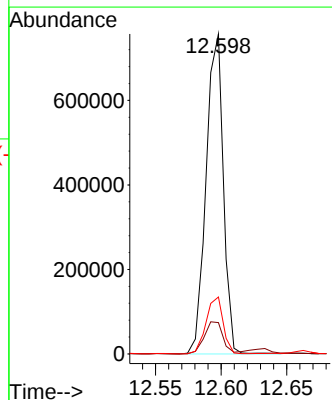
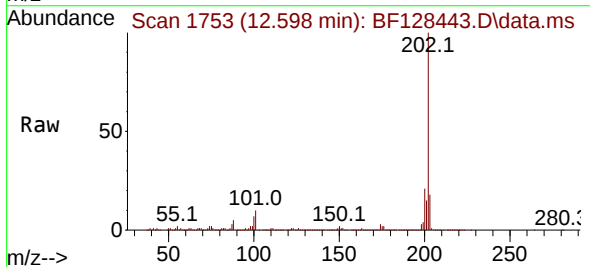
Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0.5-1)

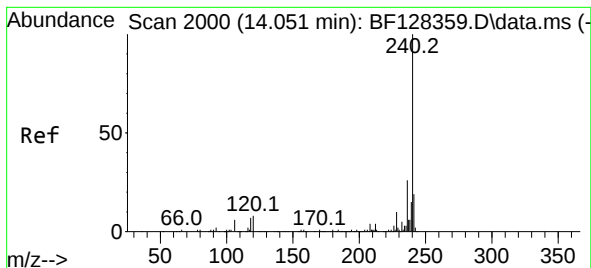
Tgt Ion:178 Resp: 95330
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 15.8 12.4 18.6



#75
 Fluoranthene
 Concen: 48.384 ng
 RT: 12.598 min Scan# 1753
 Delta R.T. -0.000 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

Tgt Ion:202 Resp: 694422
 Ion Ratio Lower Upper
 202 100
 101 9.8 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: BF128443.D

Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

SB-14(0.5-1)

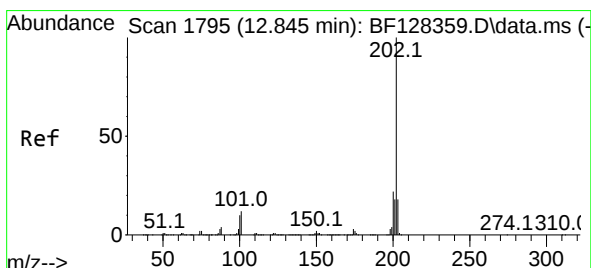
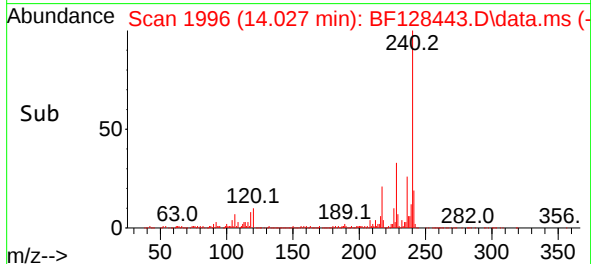
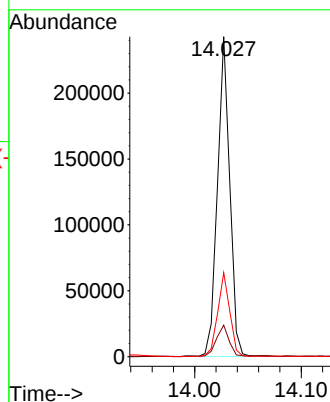
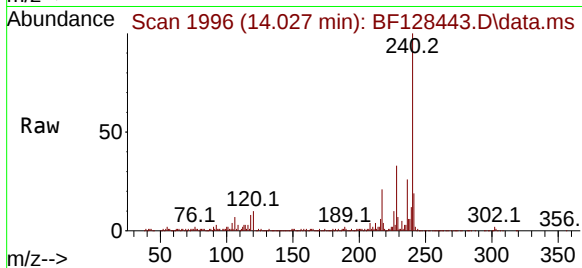
Tgt Ion:240 Resp: 193813

Ion Ratio Lower Upper

240 100

120 9.8 7.0 10.6

236 26.3 20.3 30.5



#78

Pyrene

Concen: 42.305 ng

RT: 12.827 min Scan# 1792

Delta R.T. -0.000 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

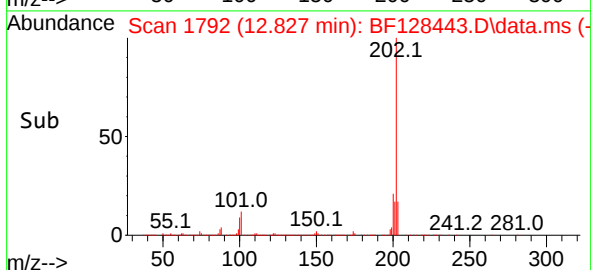
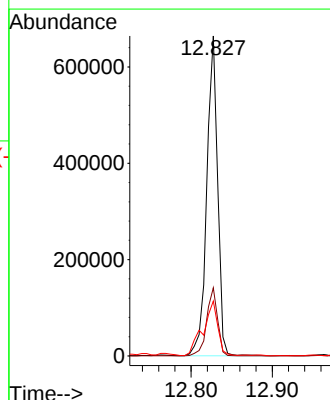
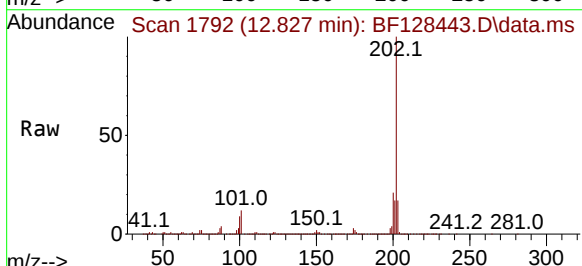
Tgt Ion:202 Resp: 613911

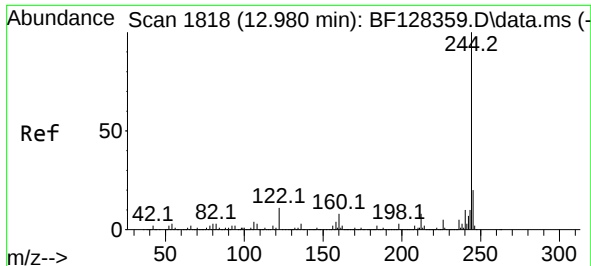
Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

203 17.2 14.0 21.0

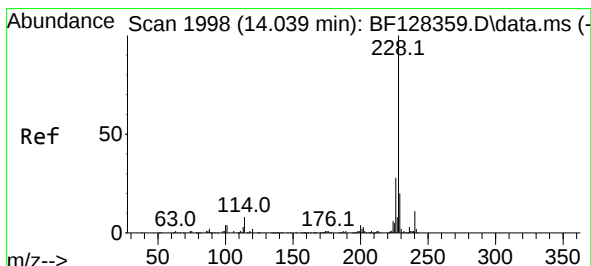
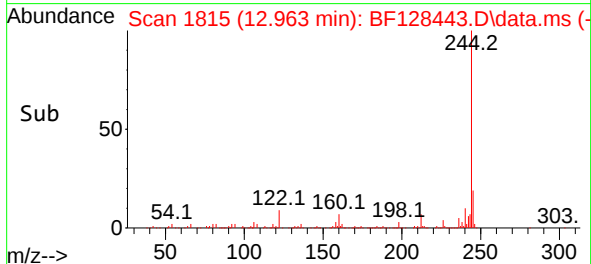
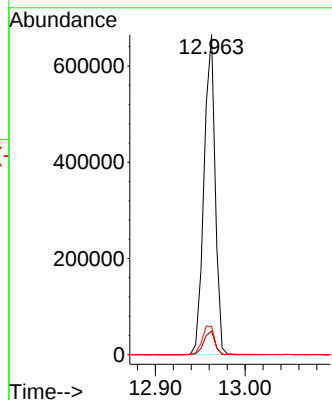
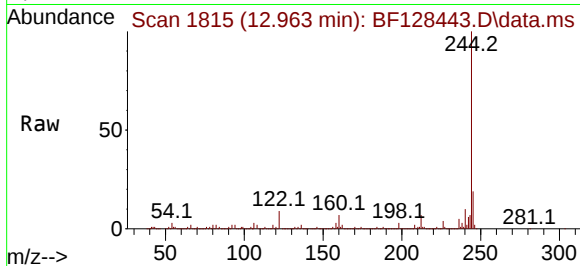




#79
 Terphenyl-d14
 Concen: 57.234 ng
 RT: 12.963 min Scan# 1815
 Delta R.T. -0.000 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

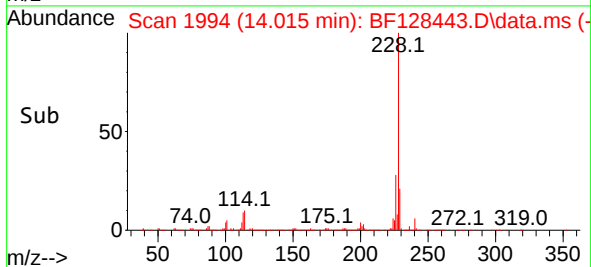
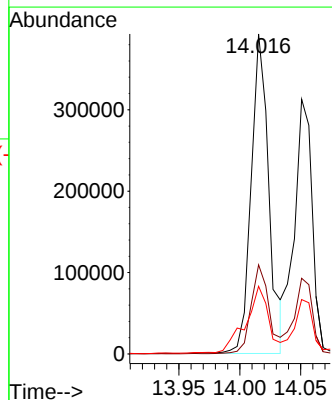
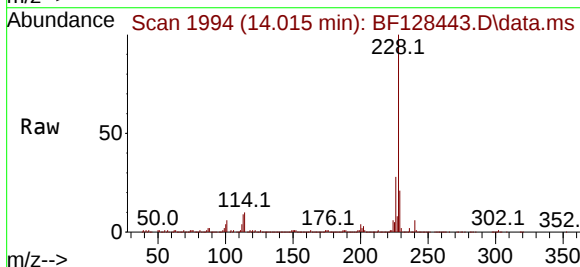
Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0.5-1)

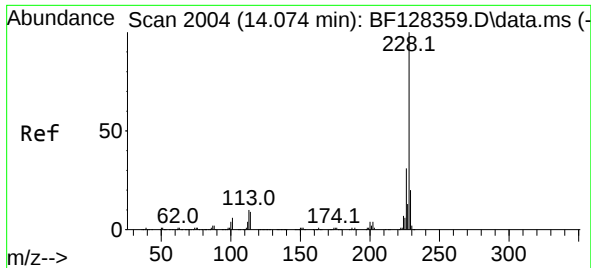
Tgt Ion:244 Resp: 574630
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 8.8 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 32.204 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. -0.006 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

Tgt Ion:228 Resp: 397108
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.7 32.5
 229 21.2 15.4 23.2

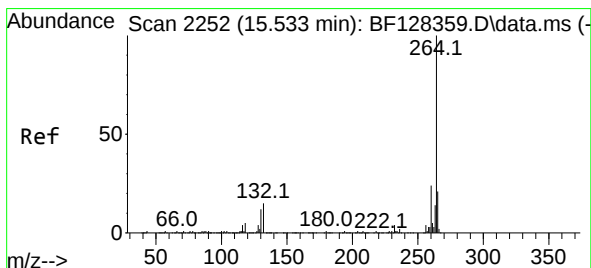
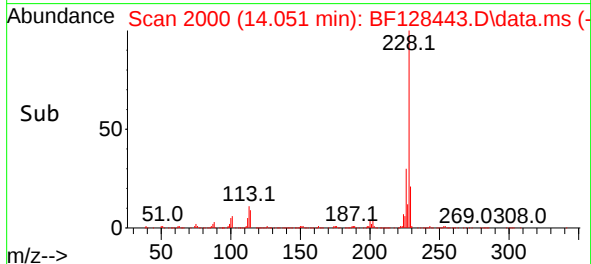
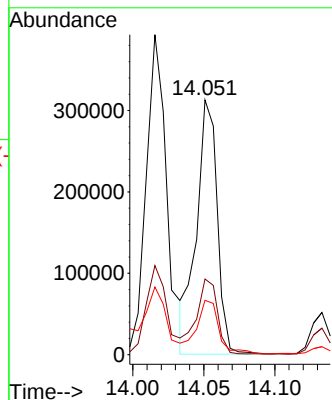
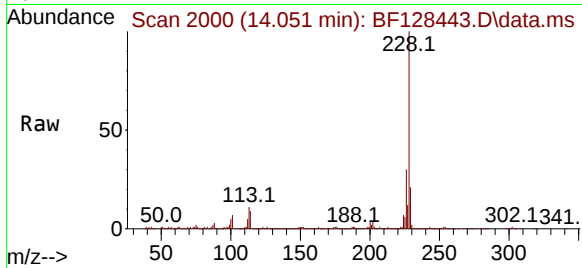




#83
Chrysene
Concen: 27.139 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

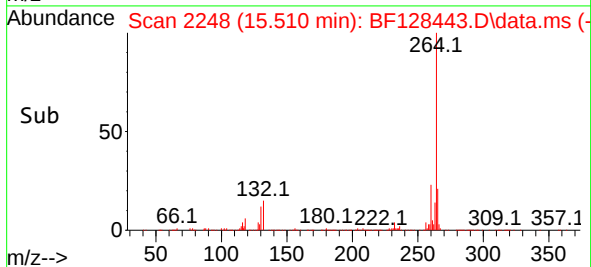
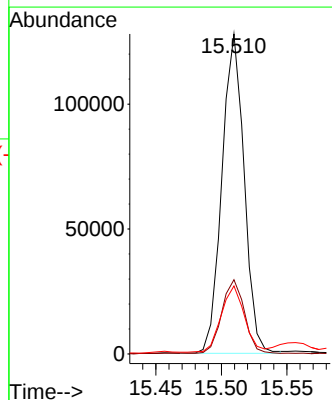
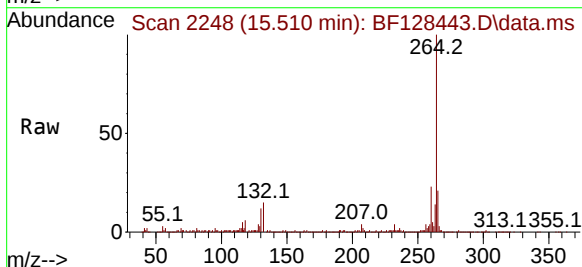
Instrument :
BNA_F
ClientSampleId :
SB-14(0.5-1)

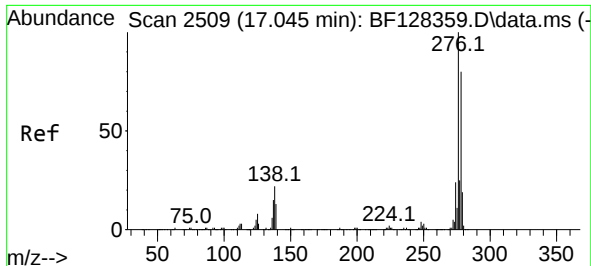
Tgt Ion:228 Resp: 318730
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 21.3 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Tgt Ion:264 Resp: 150405
Ion Ratio Lower Upper
264 100
260 23.2 20.1 30.1
265 21.2 17.5 26.3

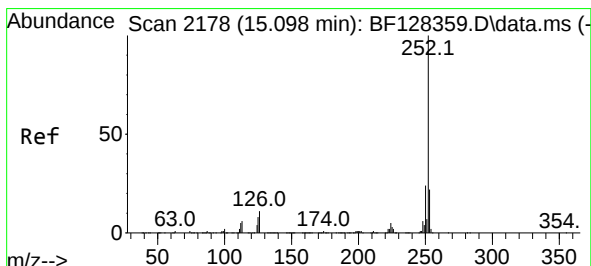
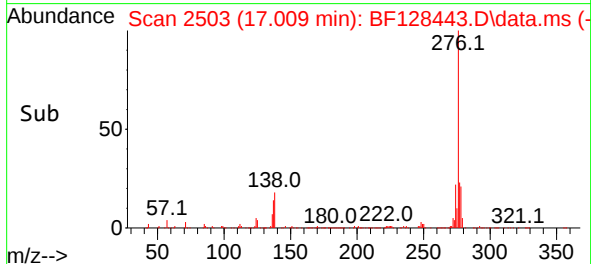
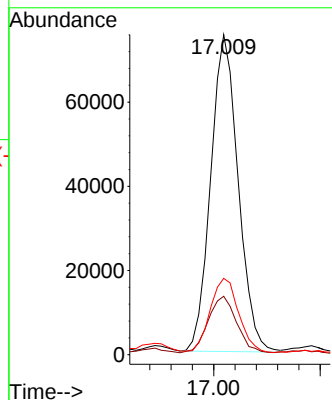
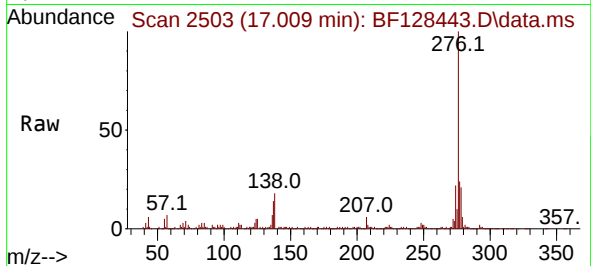




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.681 ng
 RT: 17.009 min Scan# 2174
 Delta R.T. -0.006 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

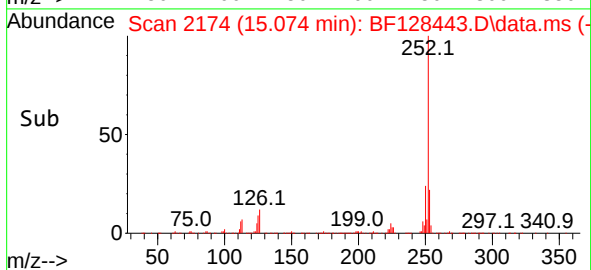
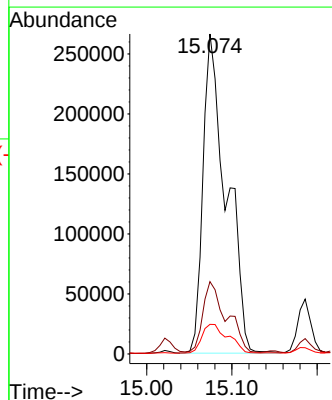
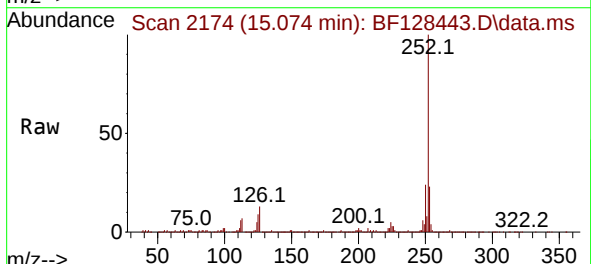
Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0.5-1)

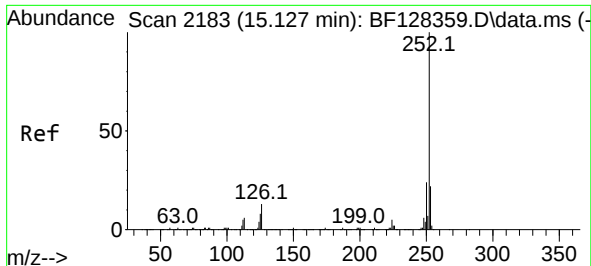
Tgt Ion:276 Resp: 134618
 Ion Ratio Lower Upper
 276 100
 138 18.4 19.0 28.4#
 277 24.1 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 54.345 ng
 RT: 15.074 min Scan# 2174
 Delta R.T. -0.000 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

Tgt Ion:252 Resp: 508460
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.4 26.2
 125 9.3 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 58.023 ng

RT: 15.074 min Scan# 2183

Delta R.T. -0.029 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

SB-14(0.5-1)

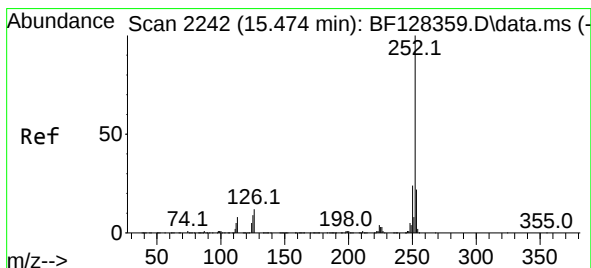
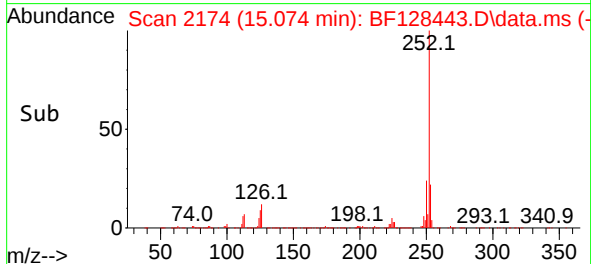
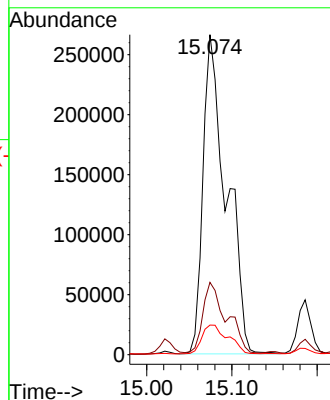
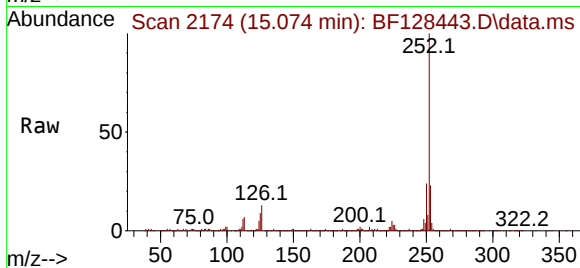
Tgt Ion:252 Resp: 508460

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

125 9.3 6.8 10.2



#90

Benzo(a)pyrene

Concen: 32.952 ng

RT: 15.445 min Scan# 2237

Delta R.T. -0.006 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

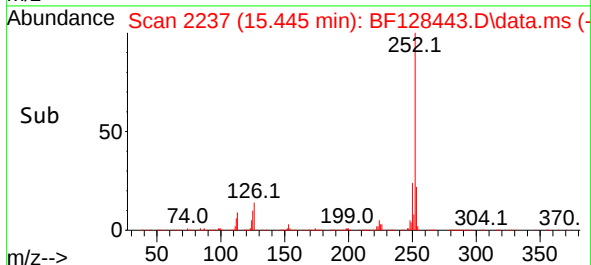
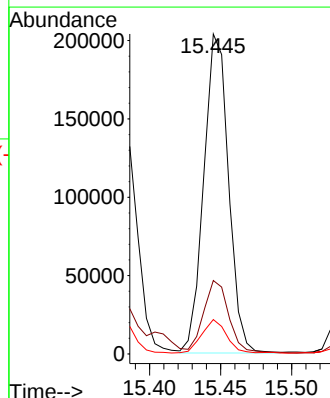
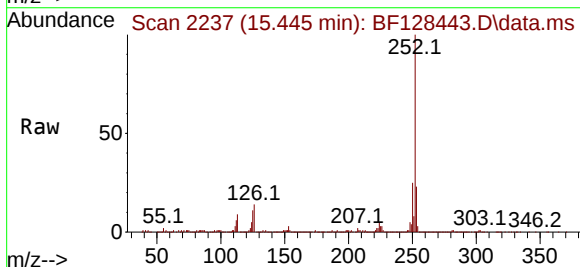
Tgt Ion:252 Resp: 247490

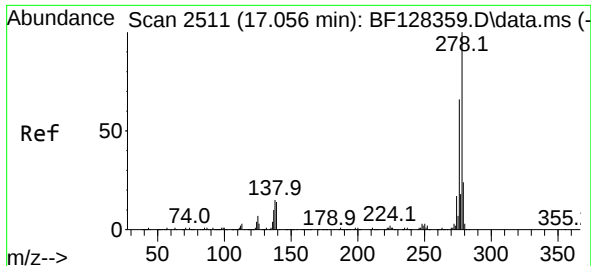
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 10.7 9.2 13.8

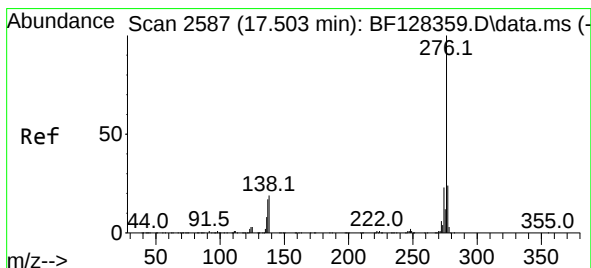
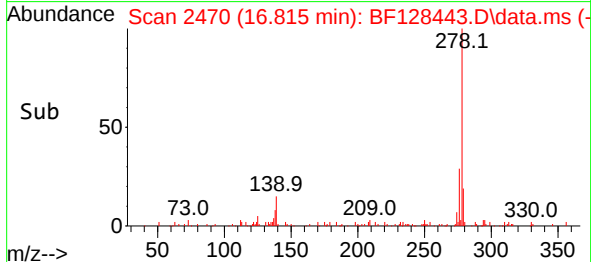
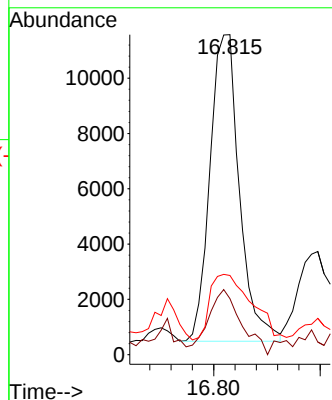
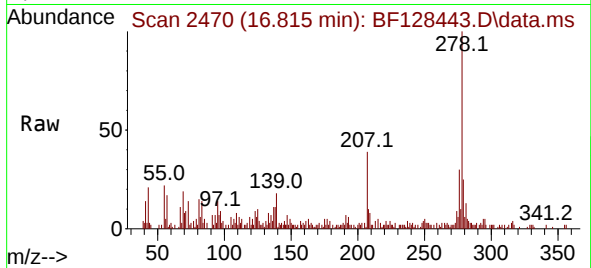




#91
 Dibenzo(a,h)anthracene
 Concen: 3.096 ng
 RT: 16.815 min Scan# 2470
 Delta R.T. -0.212 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0.5-1)

Tgt Ion:278 Resp: 21323
 Ion Ratio Lower Upper
 278 100
 139 17.5 12.6 19.0
 279 24.8 18.9 28.3



#92
 Benzo(g,h,i)perylene
 Concen: 16.661 ng
 RT: 17.468 min Scan# 2581
 Delta R.T. -0.006 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

Tgt Ion:276 Resp: 119727
 Ion Ratio Lower Upper
 276 100
 277 24.3 18.8 28.2
 138 20.5 16.2 24.2

