

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128447.D
 Acq On : 24 May 2022 21:10
 Operator : CG\JU
 Sample : N2981-19 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0.5-1)

Quant Time: May 25 03:56:35 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

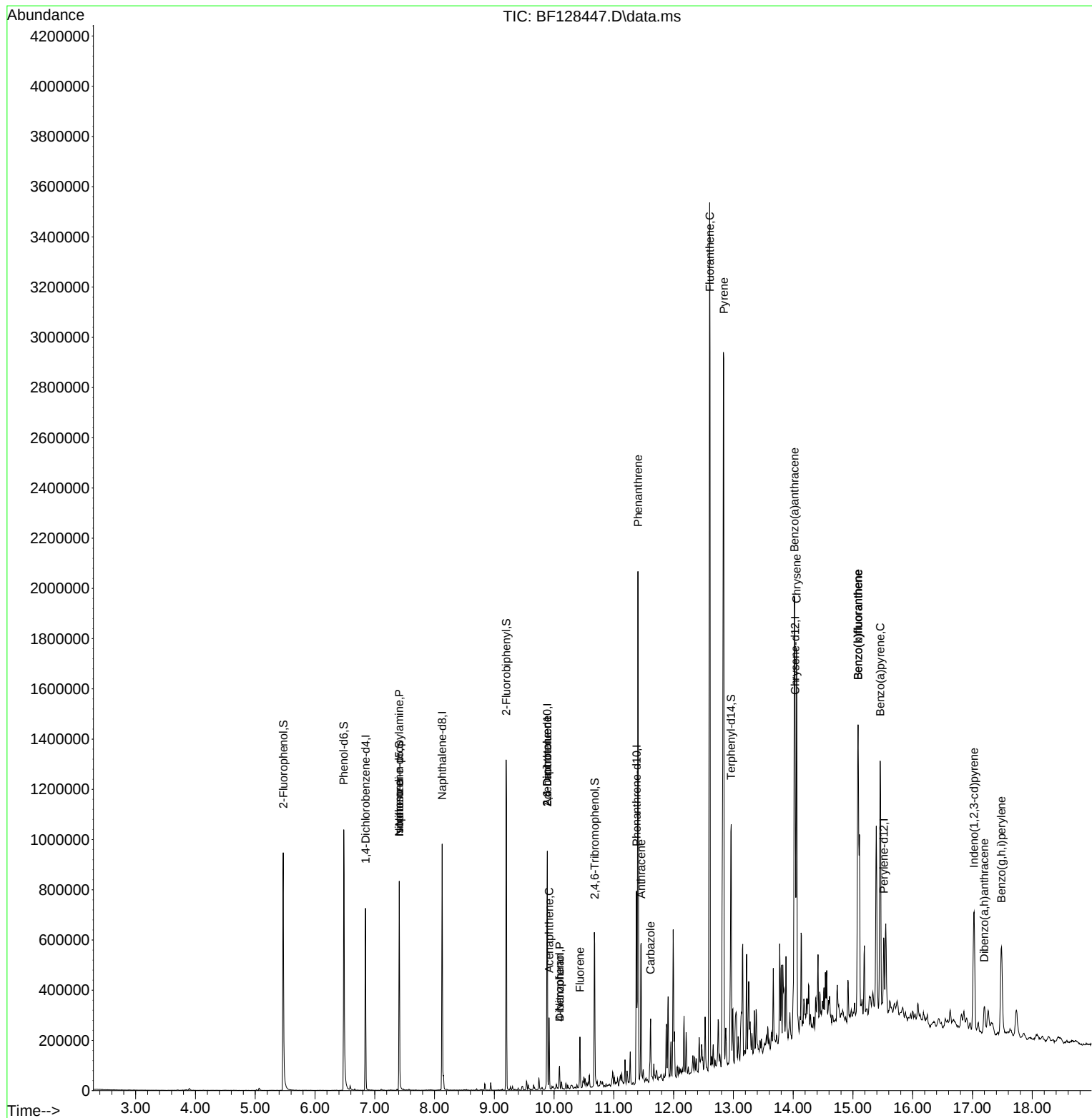
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	100049	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	371855	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	188047	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	308419	20.000	ng	0.00
76) Chrysene-d12	14.033	240	184523	20.000	ng	0.00
86) Perylene-d12	15.515	264	145542	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	279145	44.401	ng	0.00
7) Phenol-d6	6.481	99	363533	43.912	ng	-0.01
23) Nitrobenzene-d5	7.410	82	238993	28.796	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	72171	37.215	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	379573	33.009	ng	0.00
79) Terphenyl-d14	12.963	244	338052	35.366	ng	0.00
Target Compounds						
9) Benzaldehyde	6.440	77	79	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	30858	6.232	ng	# 39
25) Isophorone	7.410	82	238991	18.791	ng	# 68
51) 2,6-Dinitrotoluene	9.886	165	24171	9.226	ng	# 21
52) Acenaphthene	9.916	154	53938	5.695	ng	100
55) Dibenzofuran	10.092	168	31097	2.166	ng	97
56) 4-Nitrophenol	10.092	139	11704	6.900	ng	# 3
57) 2,4-Dinitrotoluene	9.886	165	24171	7.323	ng	# 25
58) Fluorene	10.433	166	51585	4.584	ng	97
71) Phenanthrene	11.404	178	729579	48.472	ng	100
72) Anthracene	11.457	178	217787	14.559	ng	99
73) Carbazole	11.616	167	90196	6.046	ng	97
75) Fluoranthene	12.604	202	1662839	102.013	ng	99
78) Pyrene	12.839	202	1460900	105.741	ng	99
81) Benzo(a)anthracene	14.021	228	775963	66.096	ng	98
83) Chrysene	14.057	228	605338	54.138	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	322648	38.840	ng	# 94
88) Benzo(b)fluoranthene	15.086	252	981587	108.419	ng	98
89) Benzo(k)fluoranthene	15.086	252	981587	115.756	ng	97
90) Benzo(a)pyrene	15.457	252	515636	70.947	ng	96
91) Dibenzo(a,h)anthracene	17.198	278	64763	9.716	ng	95
92) Benzo(g,h,i)perylene	17.486	276	311169	44.748	ng	98

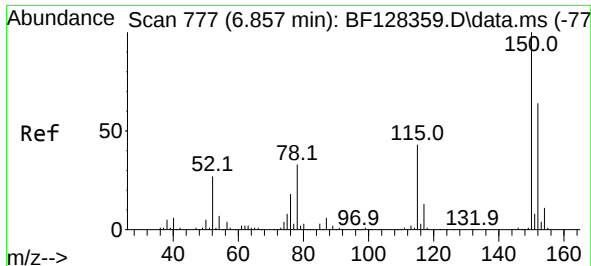
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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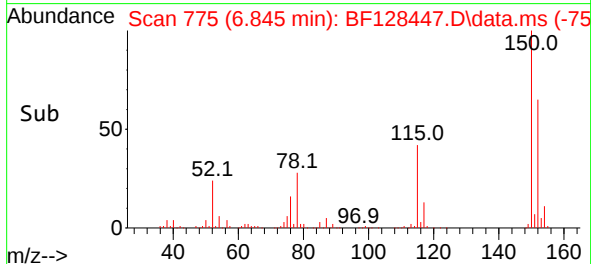
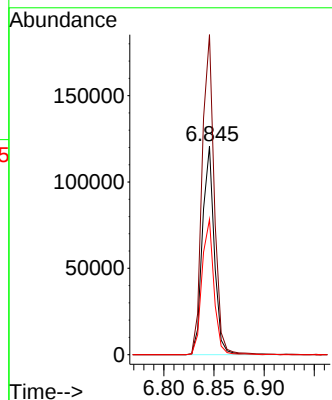
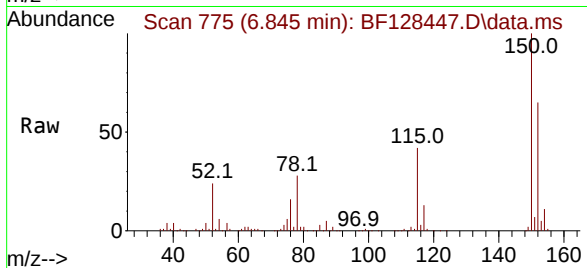




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF128447.D
 Acq: 24 May 2022 21:10

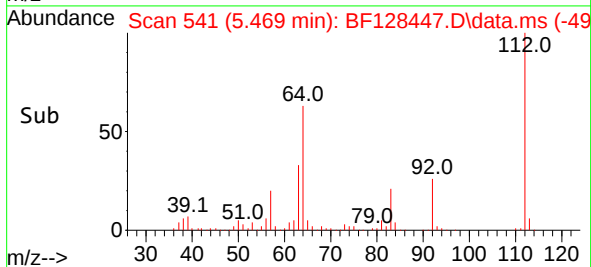
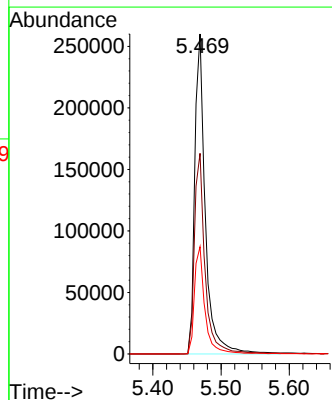
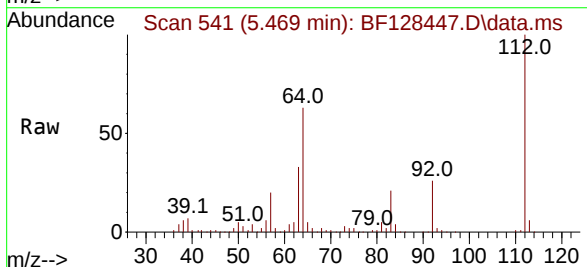
Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0.5-1)

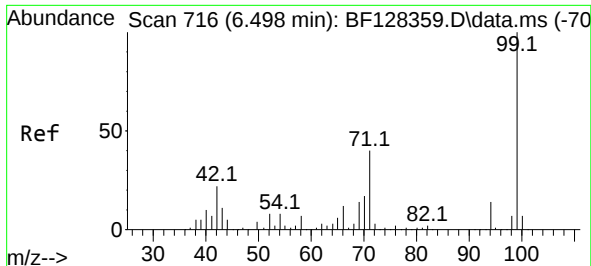
Tgt Ion:152 Resp: 100049
 Ion Ratio Lower Upper
 152 100
 150 153.5 125.3 187.9
 115 64.8 48.8 73.2



#5
 2-Fluorophenol
 Concen: 44.401 ng
 RT: 5.469 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: BF128447.D
 Acq: 24 May 2022 21:10

Tgt Ion:112 Resp: 279145
 Ion Ratio Lower Upper
 112 100
 64 62.7 49.5 74.3
 63 33.5 26.3 39.5

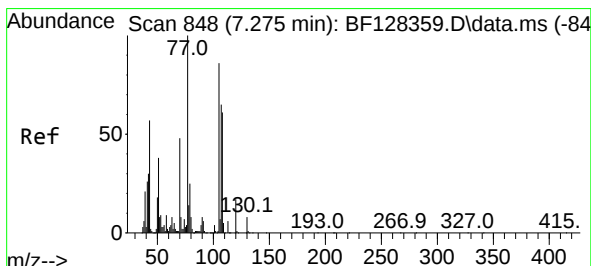
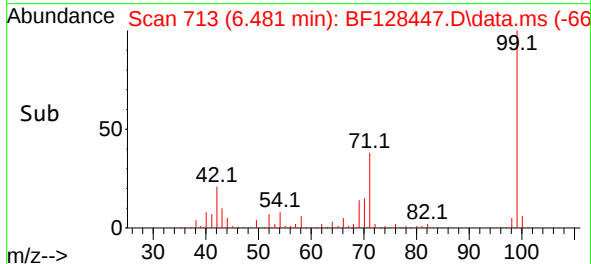
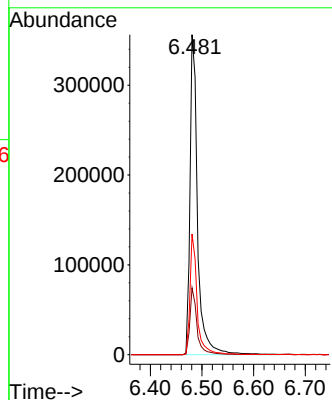
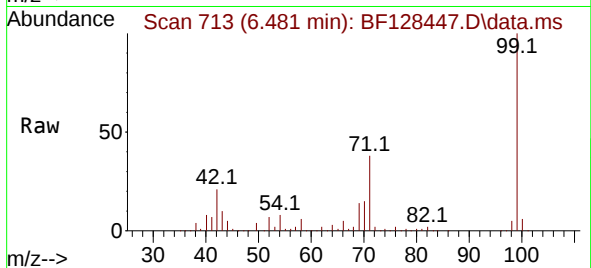




#7
Phenol-d6
Concen: 43.912 ng
RT: 6.481 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

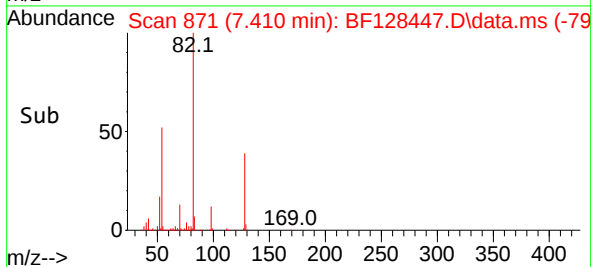
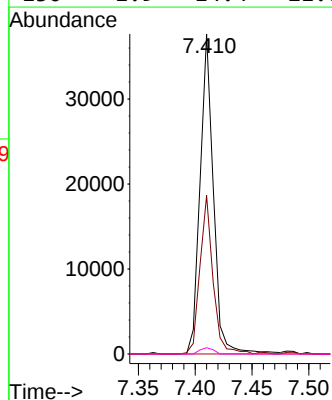
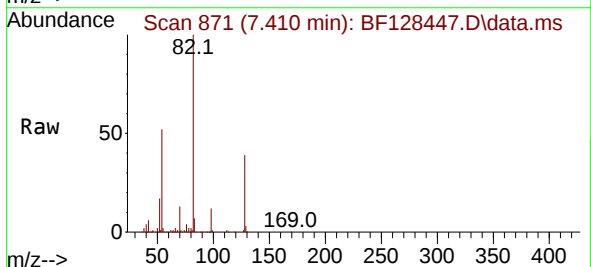
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ClientSampleId :
SB-6(0.5-1)

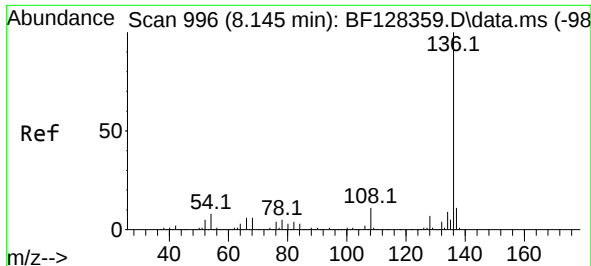
Tgt Ion: 99 Resp: 363533
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 37.7 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 6.232 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.147 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion: 70 Resp: 30858
Ion Ratio Lower Upper
70 100
42 49.5 48.7 73.1
101 0.0 7.2 10.8#
130 1.9 14.4 21.6#

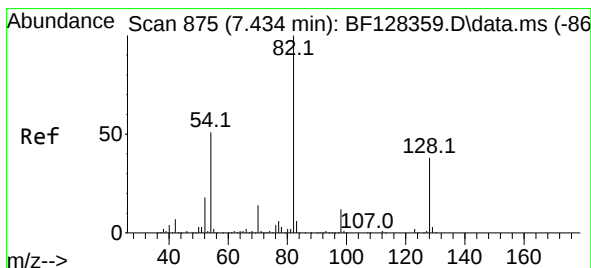
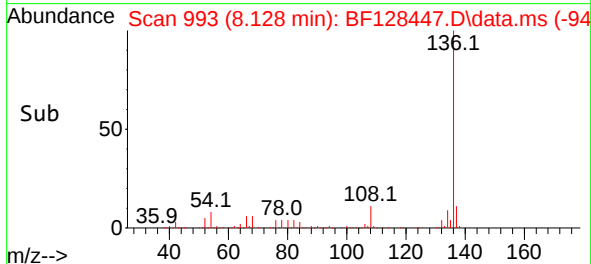
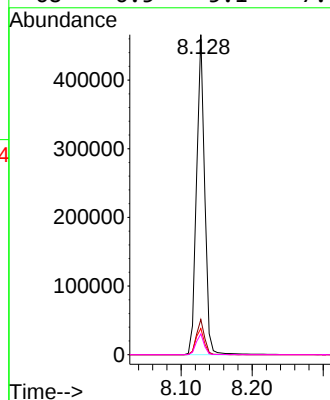
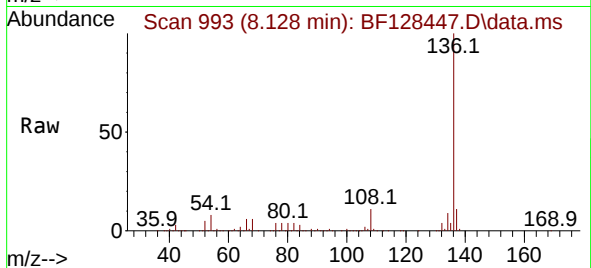




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 996
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

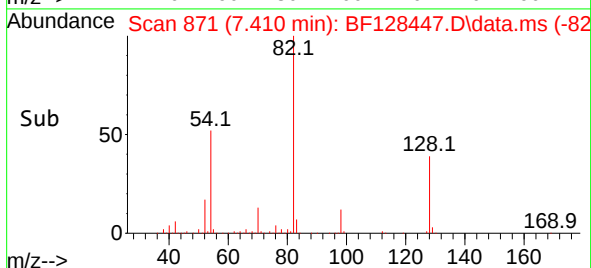
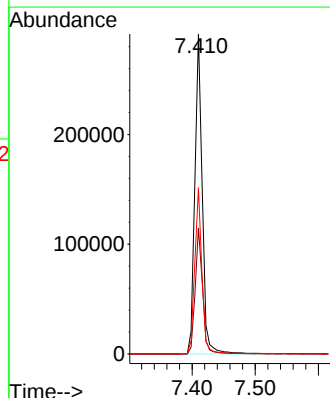
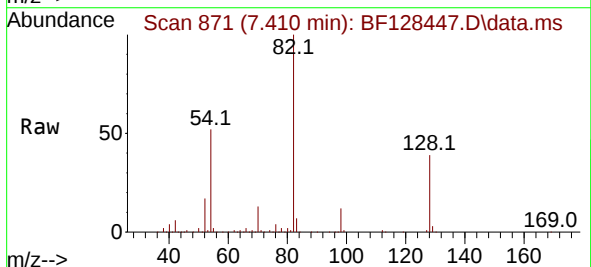
Instrument :
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ClientSampleId :
SB-6(0.5-1)

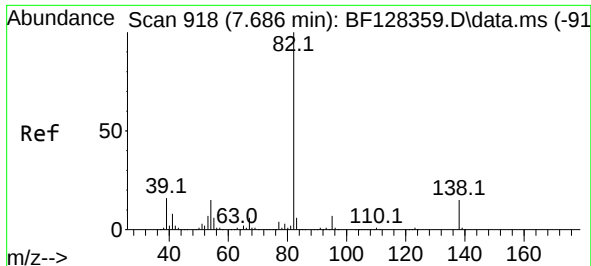
Tgt Ion:	136	Resp:	371855
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.2	6.8	10.2
68	6.5	5.1	7.7



#23
Nitrobenzene-d5
Concen: 28.796 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion:	82	Resp:	238993
Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.0	45.0
54	52.0	41.3	61.9

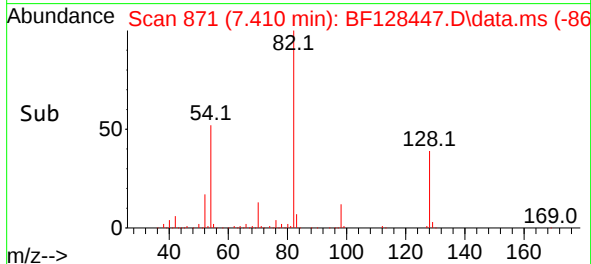
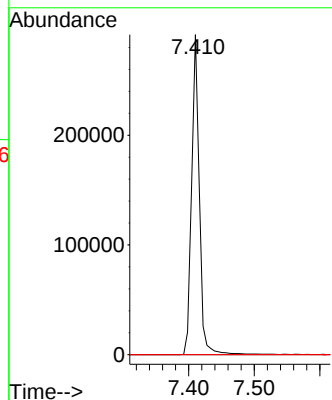
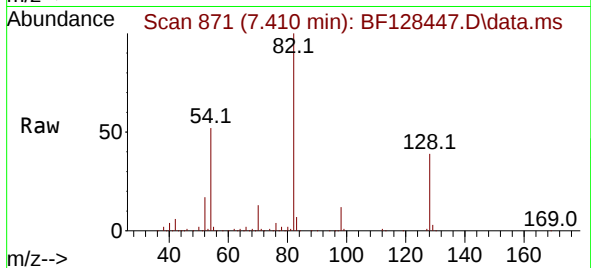




#25
Isophorone
Concen: 18.791 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

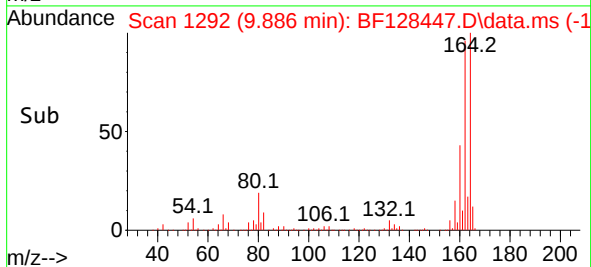
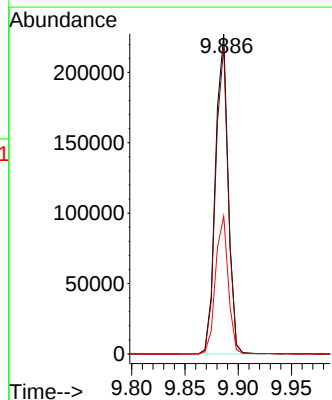
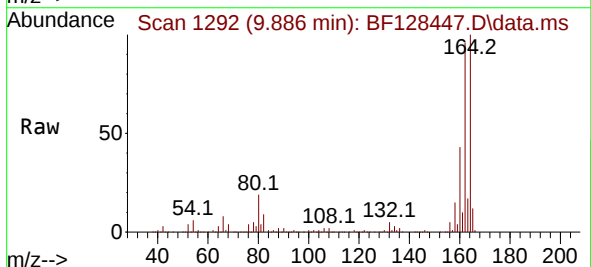
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)

Tgt Ion: 82 Resp: 238991
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: 9.886 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion: 164 Resp: 188047
Ion Ratio Lower Upper
164 100
162 96.0 76.0 114.0
160 43.1 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 37.215 ng

RT: 10.680 min Scan# 1430

Delta R.T. -0.006 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)

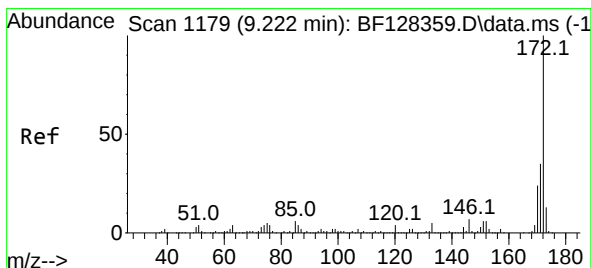
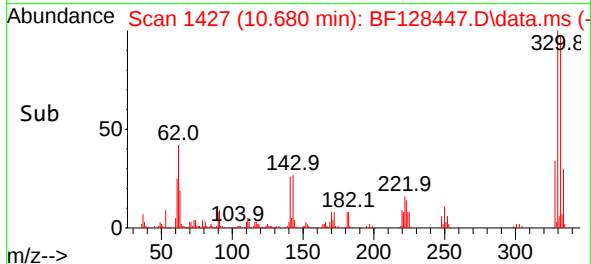
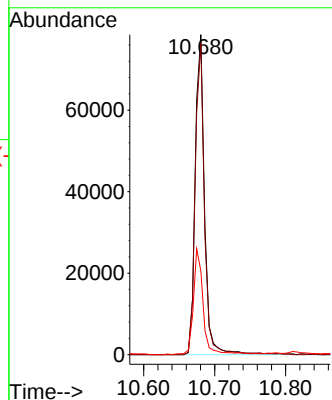
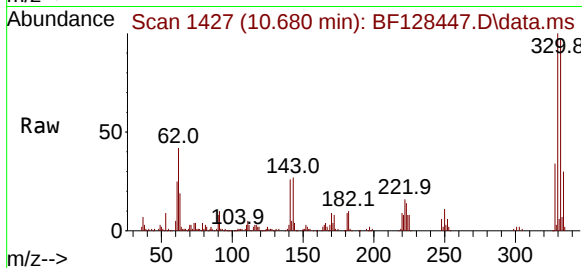
Tgt Ion:330 Resp: 72171

Ion Ratio Lower Upper

330 100

332 95.2 79.0 118.4

141 34.6 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 33.009 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

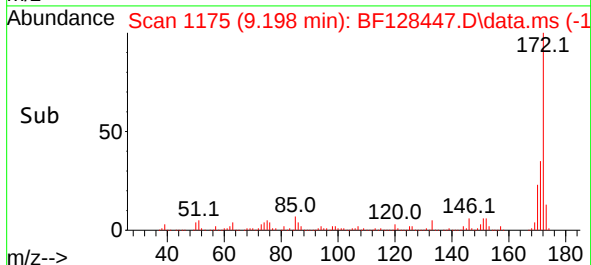
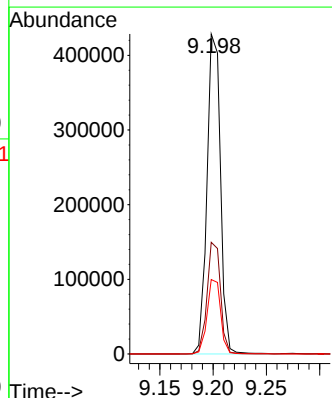
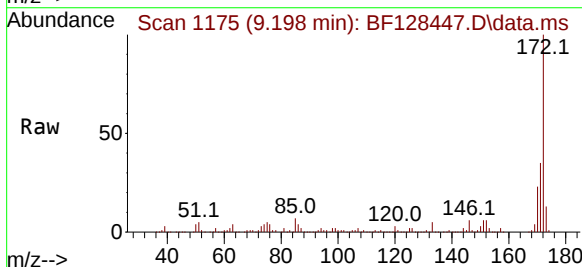
Tgt Ion:172 Resp: 379573

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.2 19.1 28.7

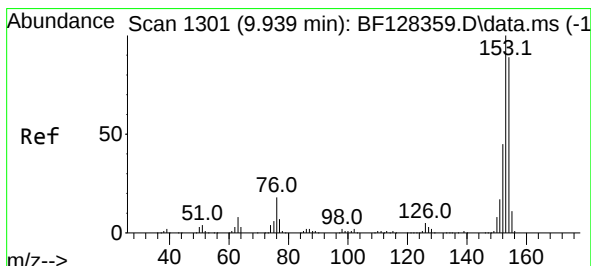
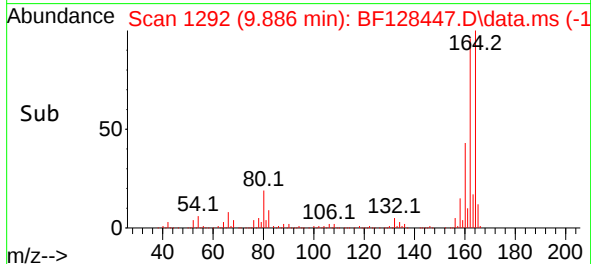
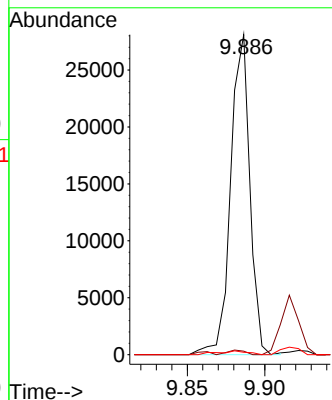
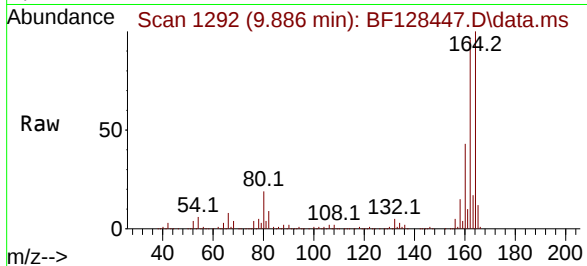




#51
2,6-Dinitrotoluene
Concen: 9.226 ng
RT: 9.886 min Scan# 1292
Delta R.T. 0.206 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

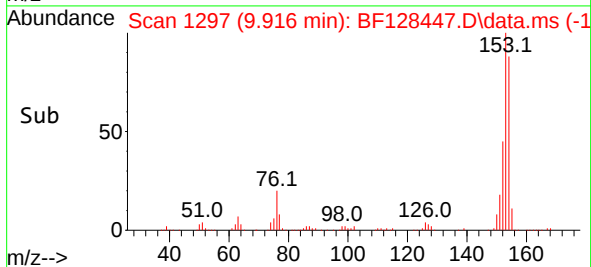
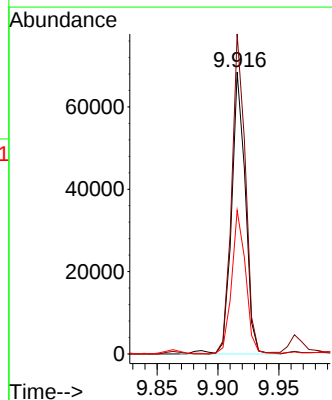
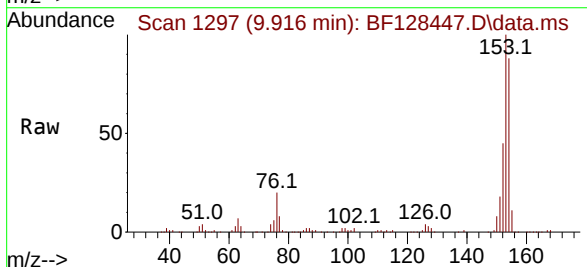
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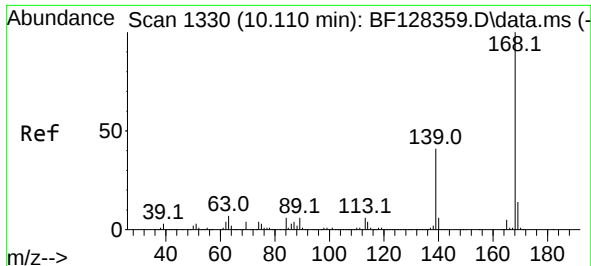
Tgt Ion:165 Resp: 24171
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 0.8 49.0 73.4#



#52
Acenaphthene
Concen: 5.695 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion:154 Resp: 53938
Ion Ratio Lower Upper
154 100
153 113.6 90.5 135.7
152 51.0 41.0 61.6

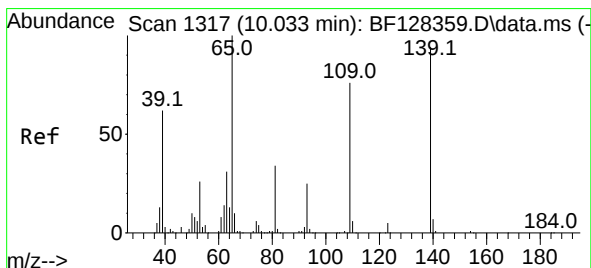
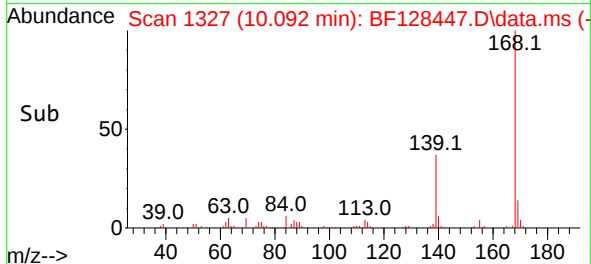
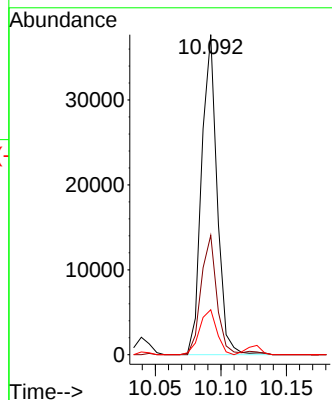
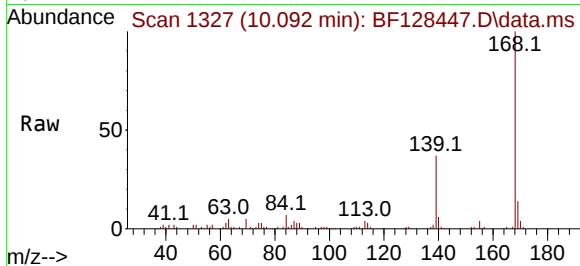




#55
Dibenzenofuran
Concen: 2.166 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

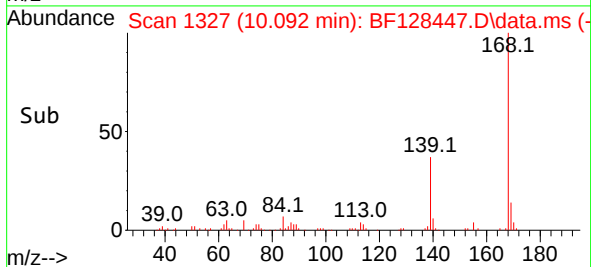
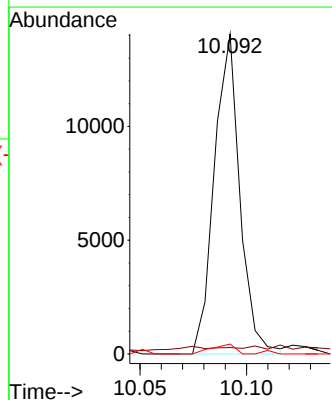
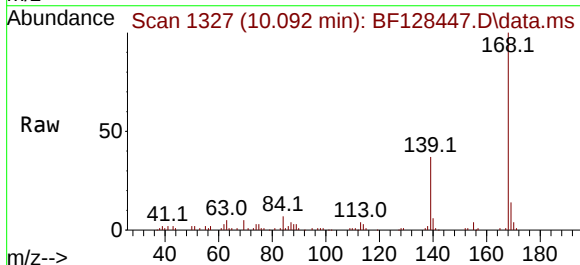
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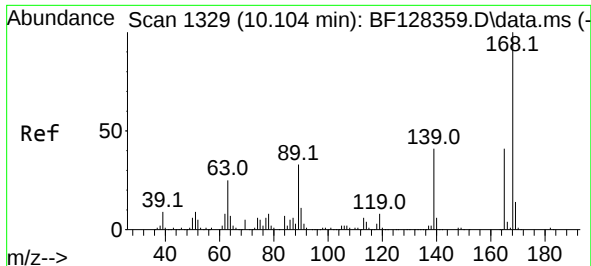
Tgt Ion:168 Resp: 31097
Ion Ratio Lower Upper
168 100
139 37.3 31.7 47.5
169 14.0 10.9 16.3



#56
4-Nitrophenol
Concen: 6.900 ng
RT: 10.092 min Scan# 1327
Delta R.T. 0.065 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion:139 Resp: 11704
Ion Ratio Lower Upper
139 100
109 2.0 61.9 101.9#
65 3.1 93.5 133.5#

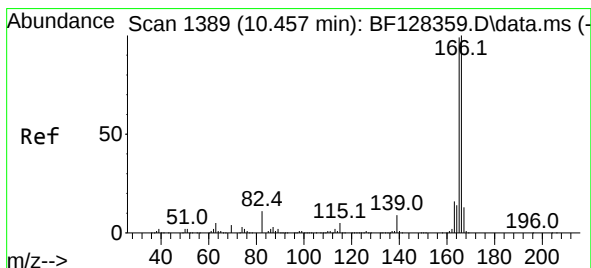
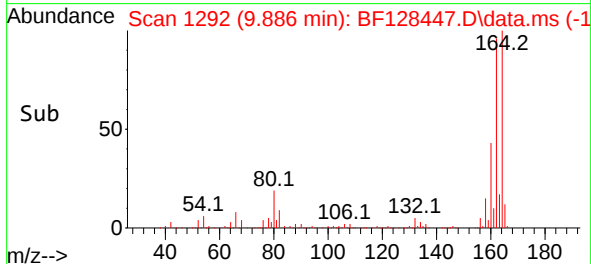
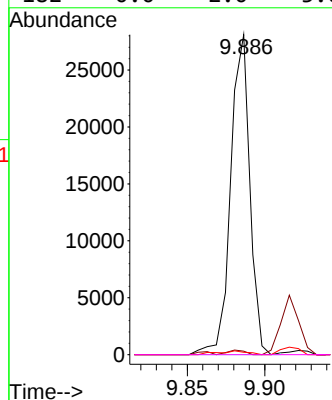
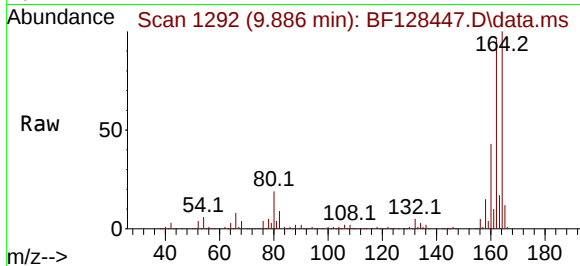




#57
2,4-Dinitrotoluene
Concen: 7.323 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

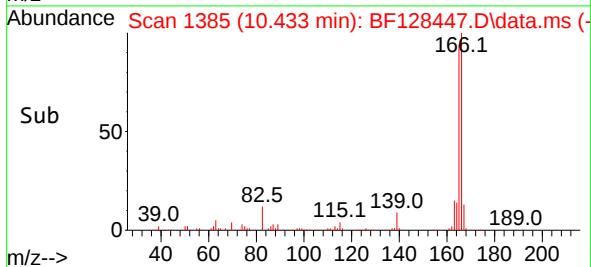
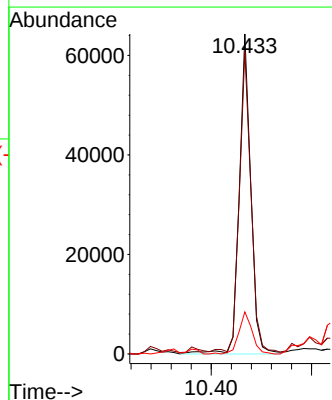
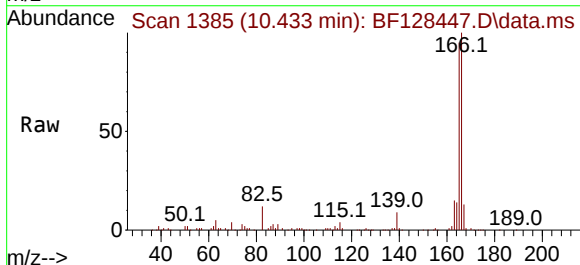
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)

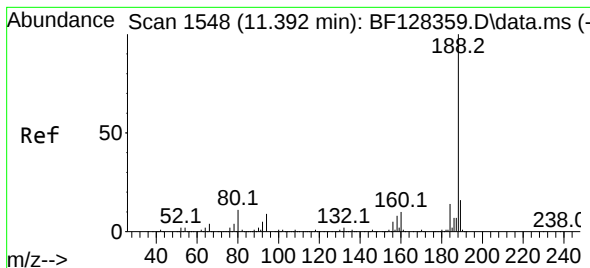
Tgt Ion:165 Resp: 24171
Ion Ratio Lower Upper
165 100
63 1.1 32.6 49.0#
89 0.8 55.2 82.8#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 4.584 ng
RT: 10.433 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion:166 Resp: 51585
Ion Ratio Lower Upper
166 100
165 94.6 78.6 117.8
167 13.2 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)

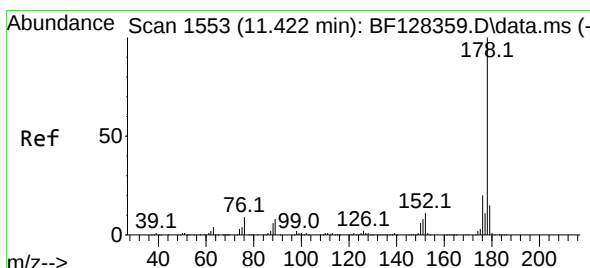
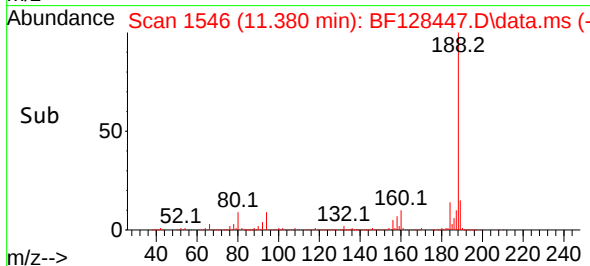
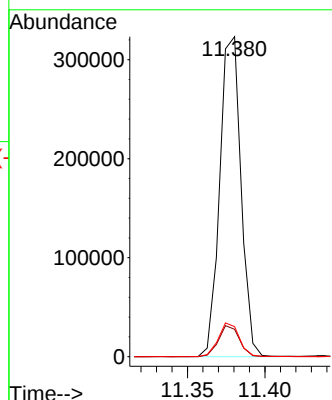
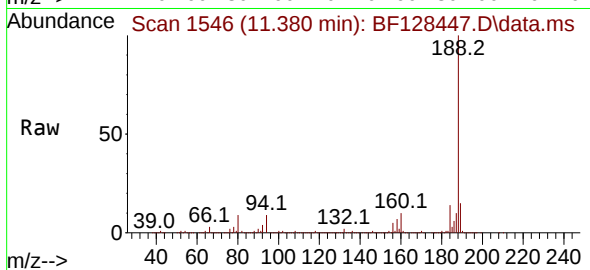
Tgt Ion:188 Resp: 308419

Ion Ratio Lower Upper

188 100

94 8.6 8.0 12.0

80 9.4 8.9 13.3



#71

Phenanthrene

Concen: 48.472 ng

RT: 11.404 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

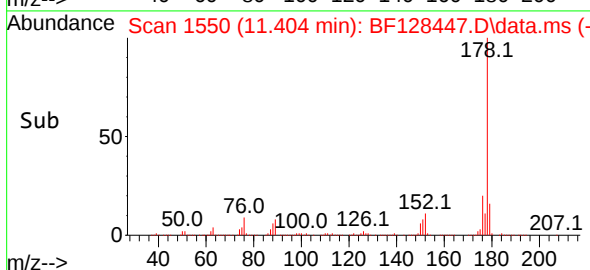
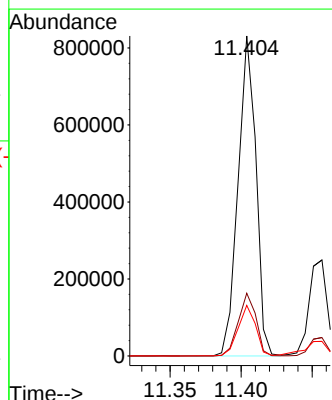
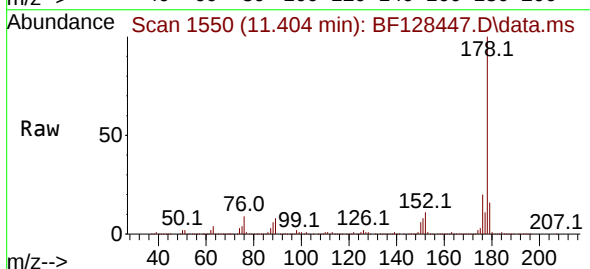
Tgt Ion:178 Resp: 729579

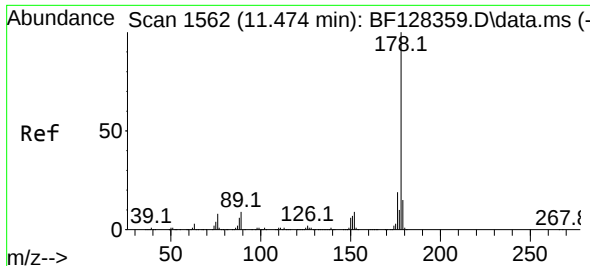
Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 15.8 12.6 19.0

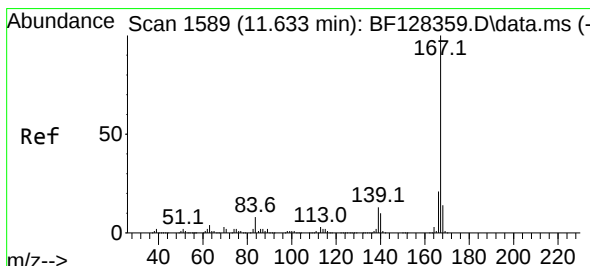
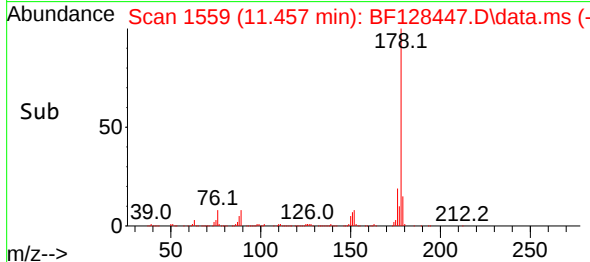
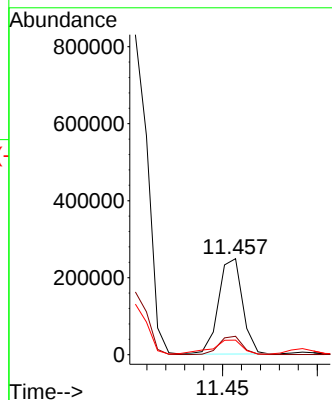
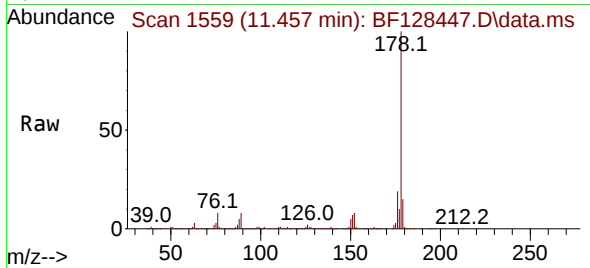




#72
 Anthracene
 Concen: 14.559 ng
 RT: 11.457 min Scan# 1559
 Delta R.T. -0.000 min
 Lab File: BF128447.D
 Acq: 24 May 2022 21:10

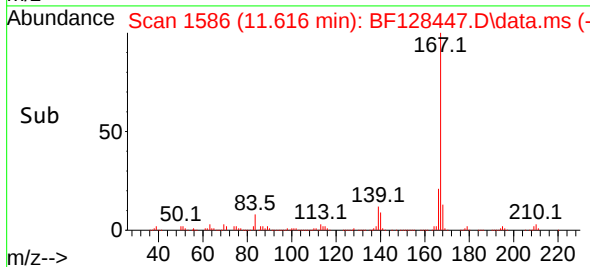
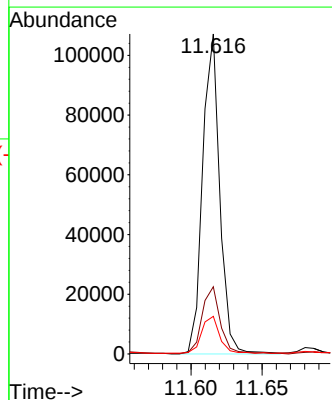
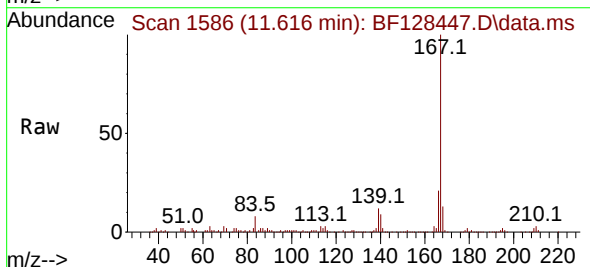
Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0.5-1)

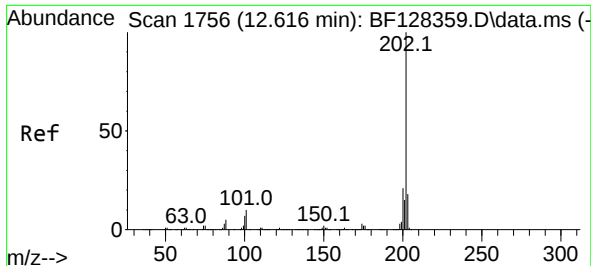
Tgt Ion:178 Resp: 217787
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.6
 179 15.1 12.4 18.6



#73
 Carbazole
 Concen: 6.046 ng
 RT: 11.616 min Scan# 1586
 Delta R.T. -0.000 min
 Lab File: BF128447.D
 Acq: 24 May 2022 21:10

Tgt Ion:167 Resp: 90196
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.6 26.4
 139 11.7 10.7 16.1

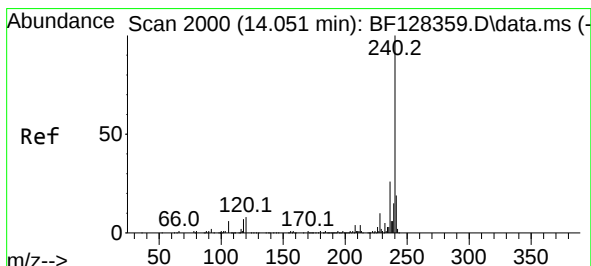
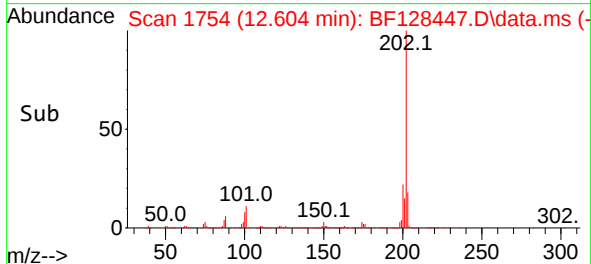
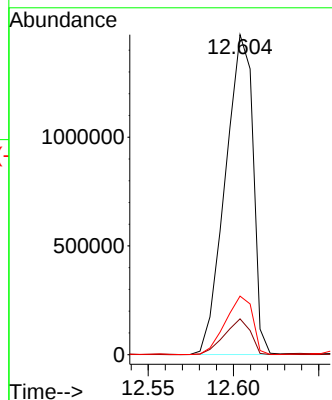
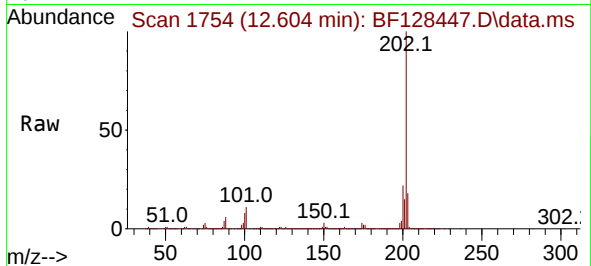




#75
Fluoranthene
Concen: 102.013 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

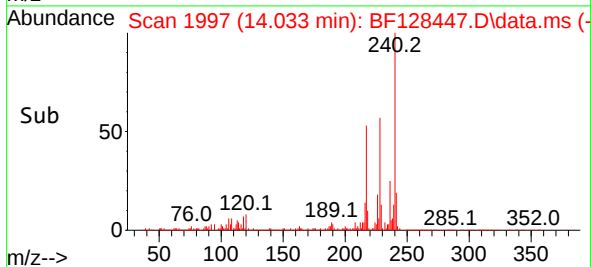
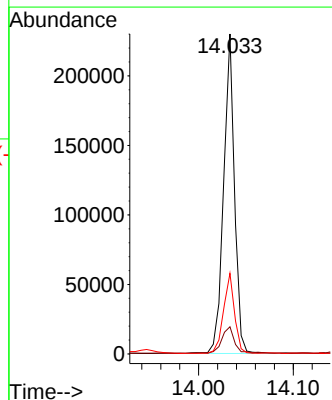
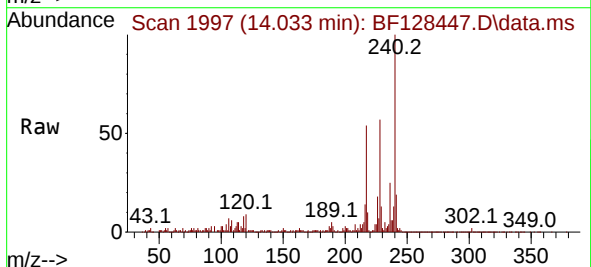
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)

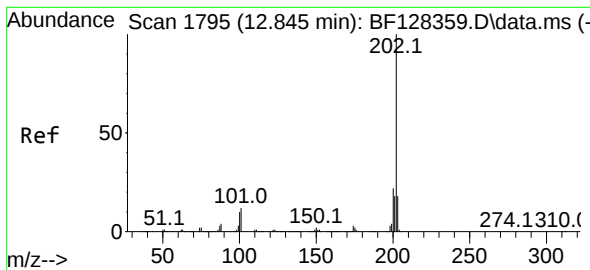
Tgt Ion:202 Resp: 1662839
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.6
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion:240 Resp: 184523
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 25.2 20.3 30.5





#78

Pyrene

Concen: 105.741 ng

RT: 12.839 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)

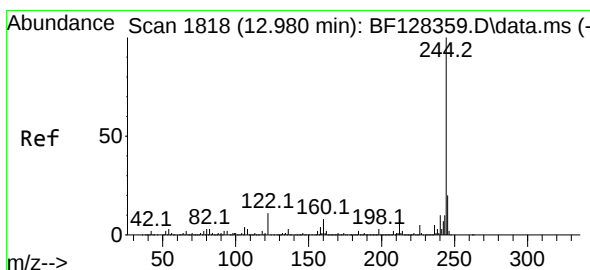
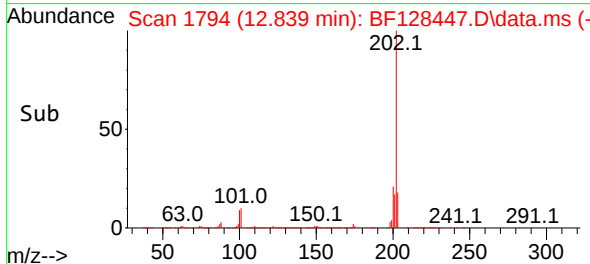
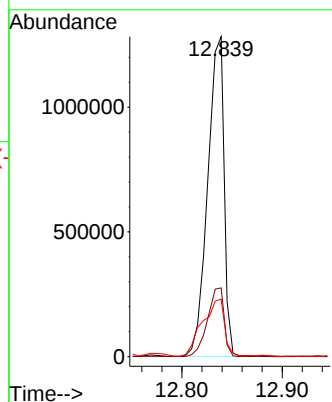
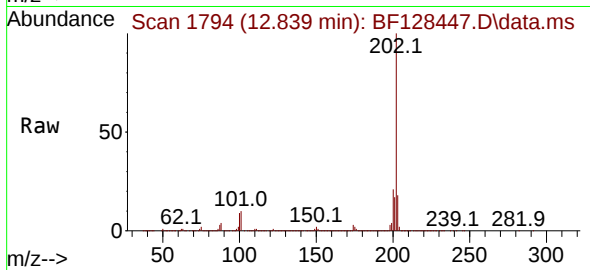
Tgt Ion:202 Resp: 1460900

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

203 18.0 14.0 21.0



#79

Terphenyl-d14

Concen: 35.366 ng

RT: 12.963 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

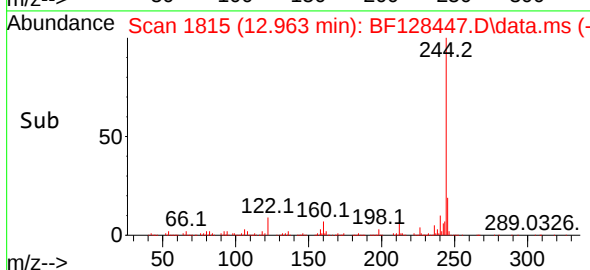
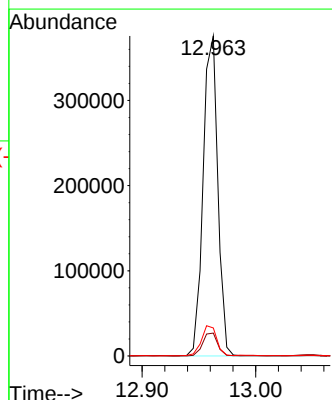
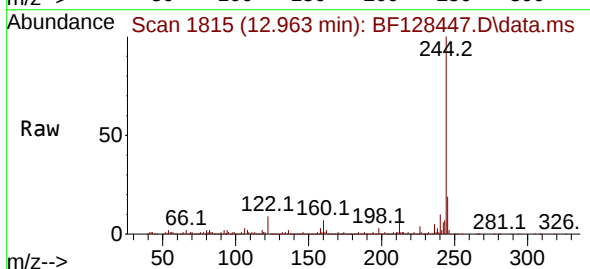
Tgt Ion:244 Resp: 338052

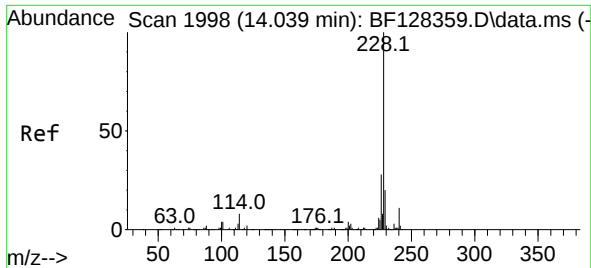
Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.4

122 8.8 8.6 12.8

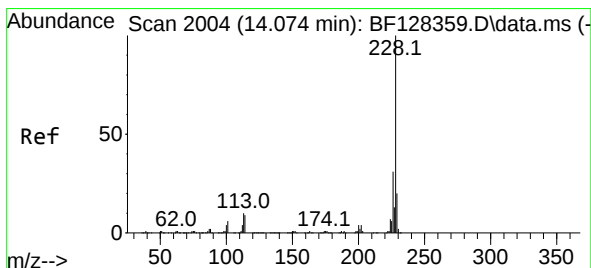
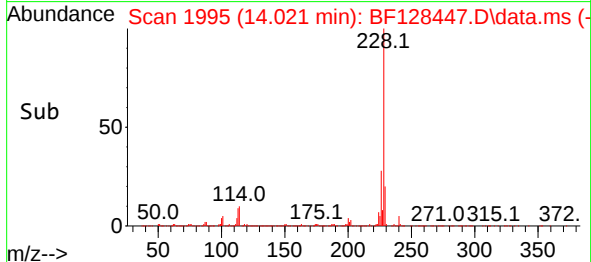
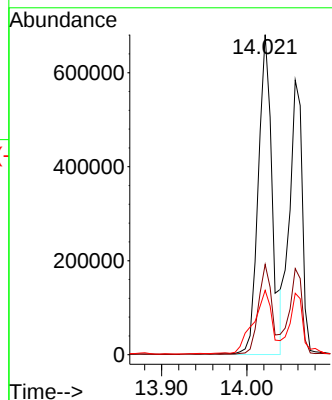
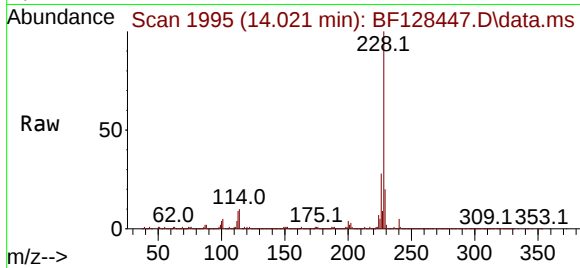




#81
Benzo(a)anthracene
Concen: 66.096 ng
RT: 14.021 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

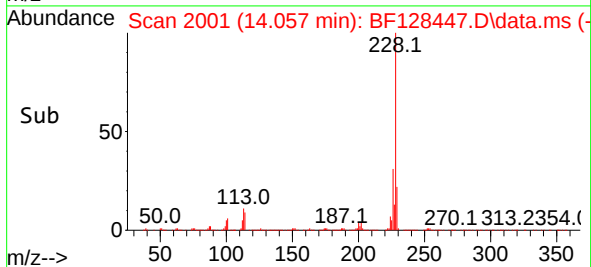
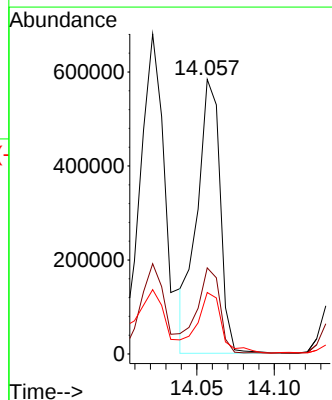
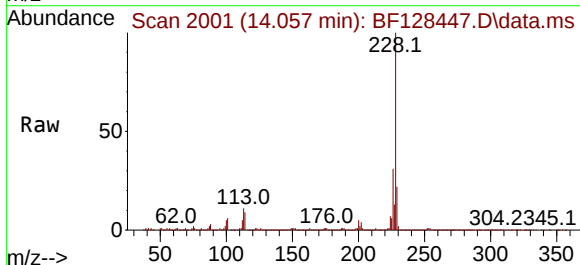
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)

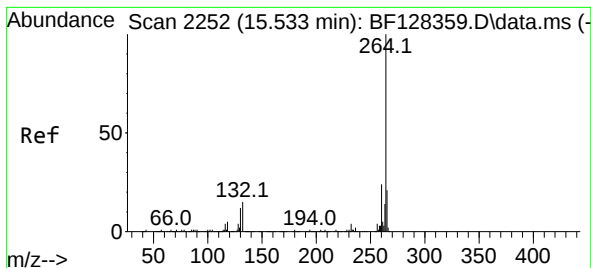
Tgt Ion:228 Resp: 775963
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 20.1 15.4 23.2



#83
Chrysene
Concen: 54.138 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion:228 Resp: 605338
Ion Ratio Lower Upper
228 100
226 31.4 24.4 36.6
229 22.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)

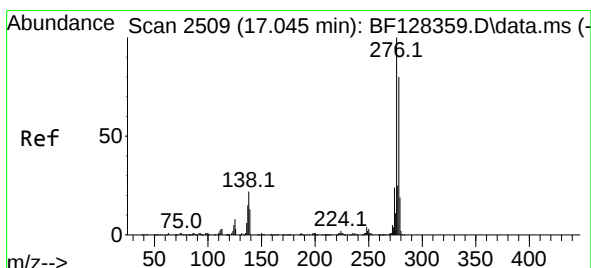
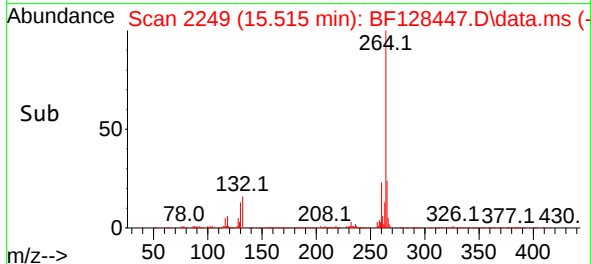
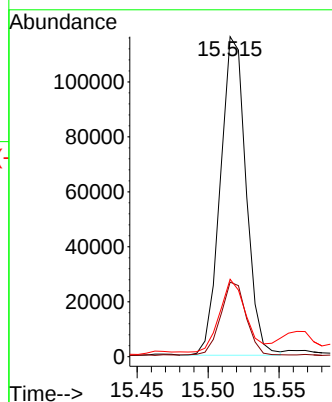
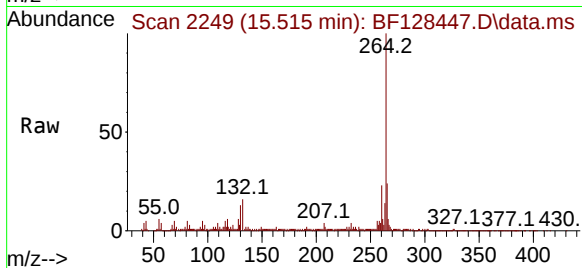
Tgt Ion:264 Resp: 145542

Ion Ratio Lower Upper

264 100

260 23.3 20.1 30.1

265 24.2 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 38.840 ng

RT: 17.027 min Scan# 2506

Delta R.T. 0.012 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

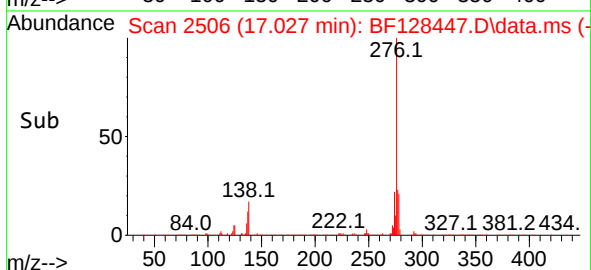
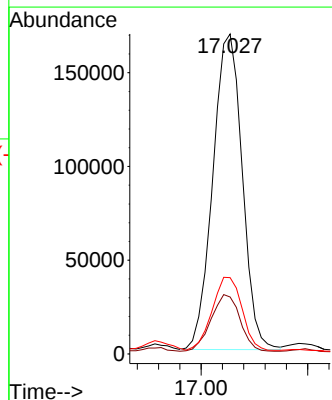
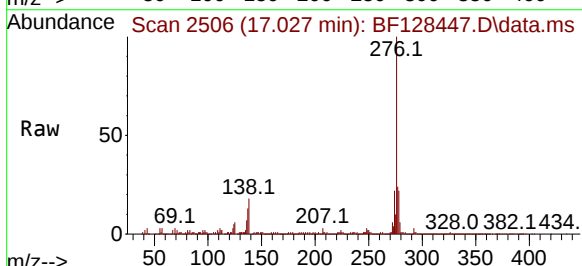
Tgt Ion:276 Resp: 322648

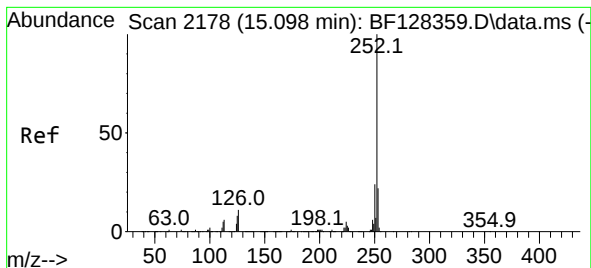
Ion Ratio Lower Upper

276 100

138 18.5 19.0 28.4#

277 23.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 108.419 ng

RT: 15.086 min Scan# 2176

Delta R.T. 0.012 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)

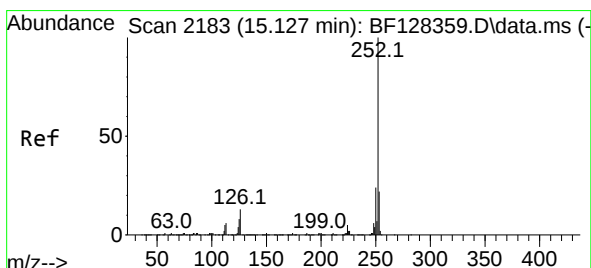
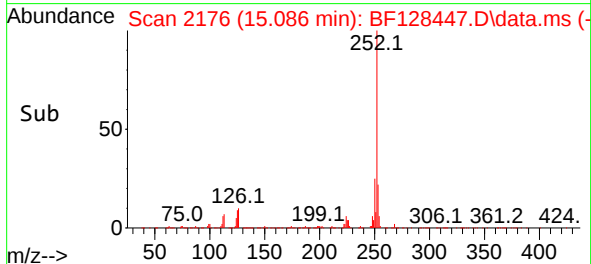
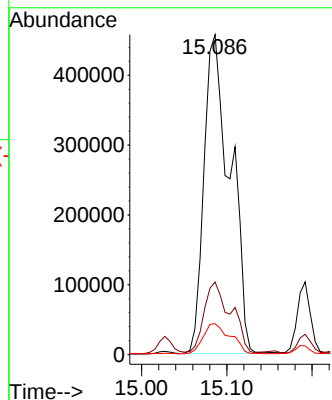
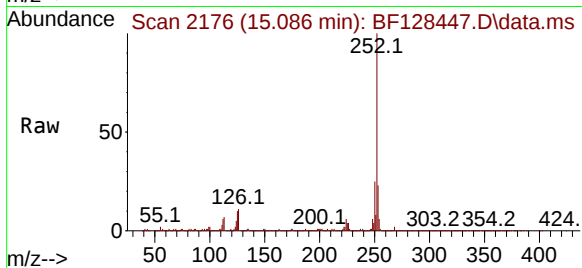
Tgt Ion:252 Resp: 981587

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 9.7 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 115.756 ng

RT: 15.086 min Scan# 2176

Delta R.T. -0.018 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

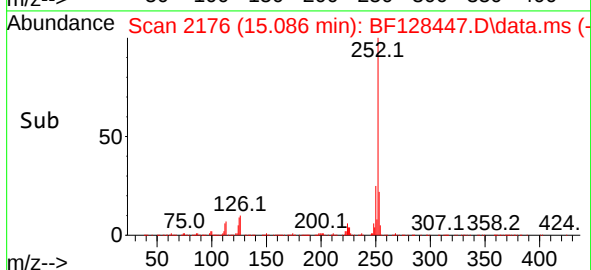
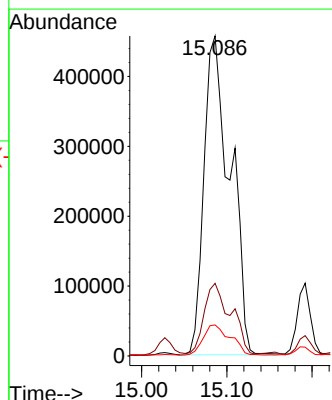
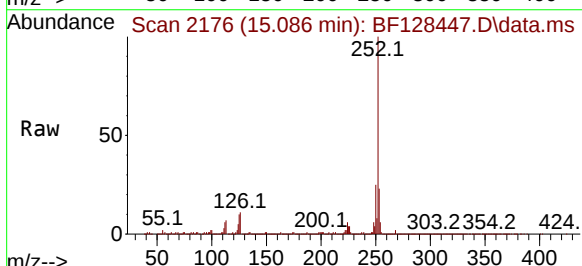
Tgt Ion:252 Resp: 981587

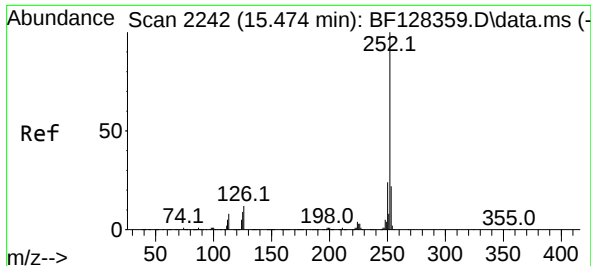
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

125 9.7 6.8 10.2

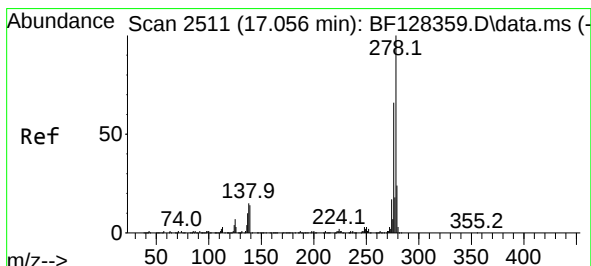
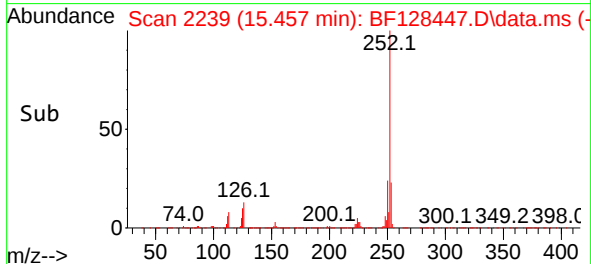
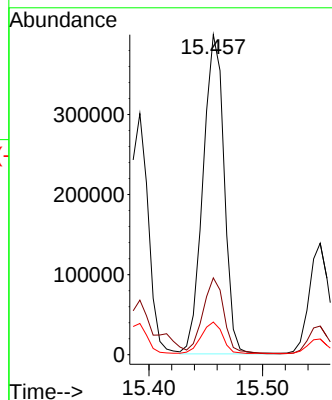
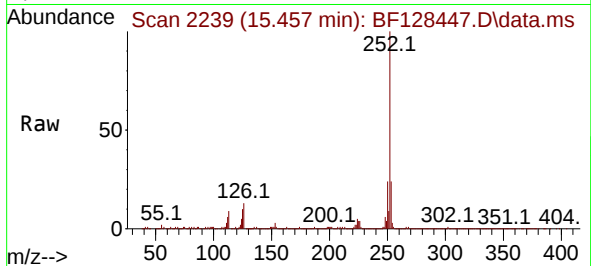




#90
Benzo(a)pyrene
Concen: 70.947 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

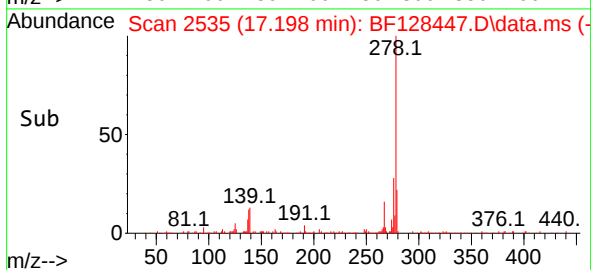
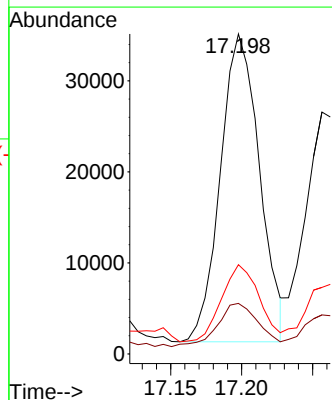
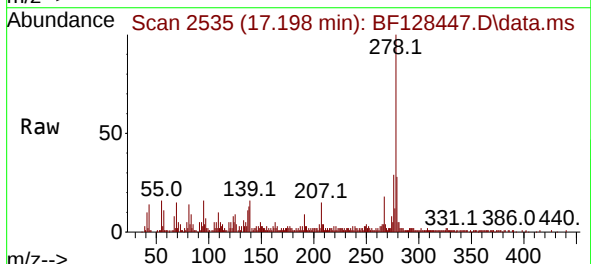
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)

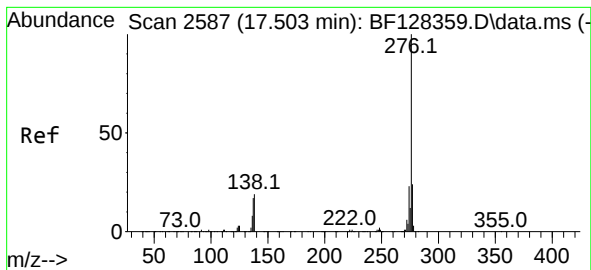
Tgt Ion:252 Resp: 515636
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 10.2 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 9.716 ng
RT: 17.198 min Scan# 2535
Delta R.T. 0.171 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion:278 Resp: 64763
Ion Ratio Lower Upper
278 100
139 15.8 12.6 19.0
279 27.9 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 44.748 ng

RT: 17.486 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128447.D

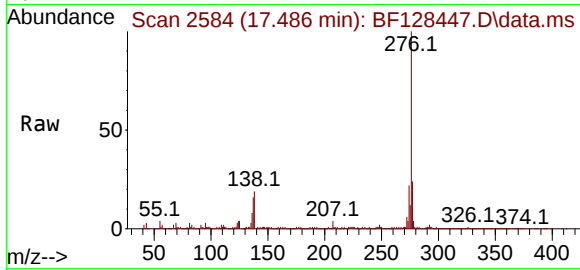
Acq: 24 May 2022 21:10

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)



Tgt Ion:276 Resp: 311169

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 18.9 16.2 24.2

