

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091222\
 Data File : BF130215.D
 Acq On : 12 Sep 2022 20:40
 Operator : CG\JU
 Sample : N4572-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC-124019

Quant Time: Sep 13 14:28:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 07 02:05:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

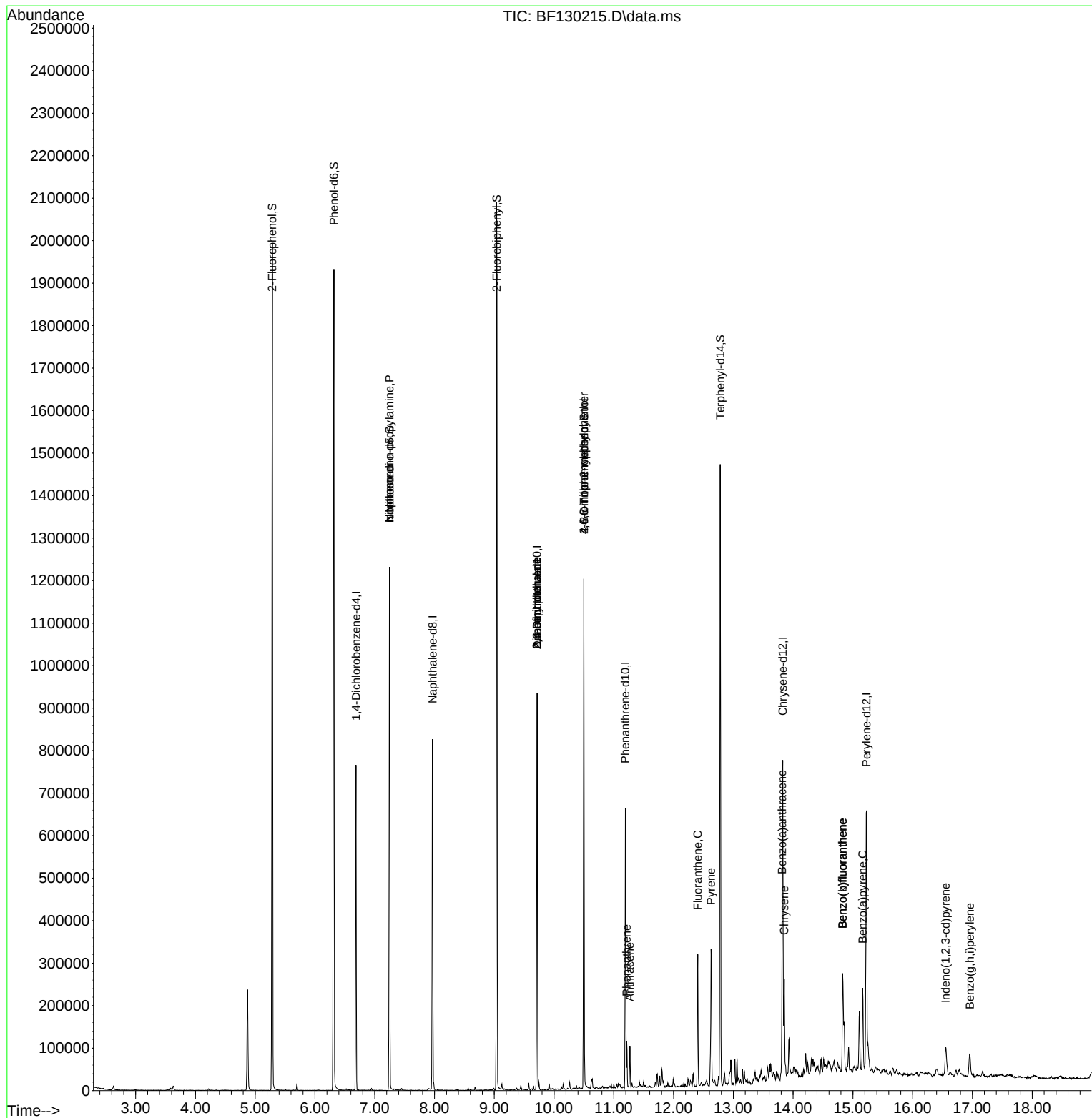
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.687	152	98024	20.000	ng	-0.01
21) Naphthalene-d8	7.969	136	366589	20.000	ng	-0.01
39) Acenaphthene-d10	9.716	164	164560	20.000	ng	-0.02
64) Phenanthrene-d10	11.192	188	226050	20.000	ng	-0.02
76) Chrysene-d12	13.827	240	211068	20.000	ng	-0.02
86) Perylene-d12	15.227	264	257874	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	514839	89.164	ng	-0.01
7) Phenol-d6	6.316	99	605725	84.145	ng	-0.02
23) Nitrobenzene-d5	7.245	82	390297	68.422	ng	-0.02
42) 2,4,6-Tribromophenol	10.498	330	115361	77.012	ng	-0.02
45) 2-Fluorobiphenyl	9.039	172	620741	62.540	ng	-0.02
79) Terphenyl-d14	12.780	244	424870	34.907	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.245	70	51696	11.920	ng	# 78
25) Isophorone	7.245	82	387503	33.563	ng	# 65
50) Dimethylphthalate	9.716	163	31194	2.783	ng	# 1
51) 2,6-Dinitrotoluene	9.716	165	21832	9.990	ng	# 23
57) 2,4-Dinitrotoluene	9.716	165	21832	8.677	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.498	198	337	6.357	ng	# 1
67) 4-Bromophenyl-phenylether	10.498	248	7403	2.944	ng	# 1
71) Phenanthrene	11.216	178	36294	2.961	ng	99
72) Anthracene	11.269	178	29969	2.487	ng	99
75) Fluoranthene	12.404	202	112351	9.242	ng	100
78) Pyrene	12.627	202	129058	6.817	ng	99
81) Benzo(a)anthracene	13.816	228	69529	4.807	ng	97
83) Chrysene	13.851	228	78270	5.488	ng	97
87) Indeno(1,2,3-cd)pyrene	16.551	276	45418	2.670	ng	94
88) Benzo(b)fluoranthene	14.827	252	158467	9.215	ng	99
89) Benzo(k)fluoranthene	14.827	252	158467	9.528	ng	98
90) Benzo(a)pyrene	15.163	252	82423	6.032	ng	96
92) Benzo(g,h,i)perylene	16.957	276	43705	3.138	ng	96

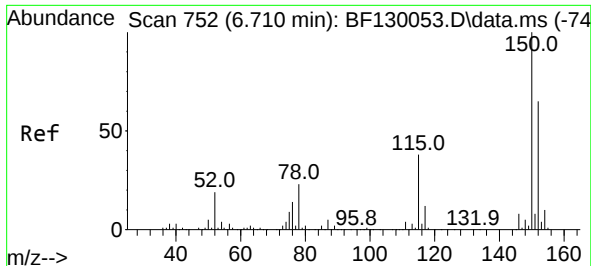
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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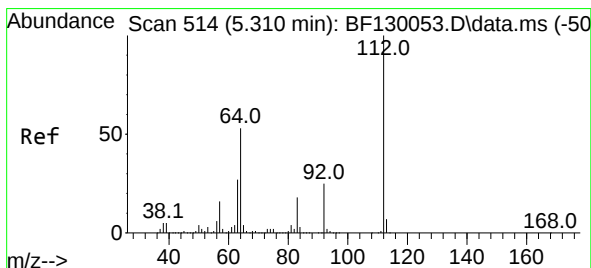
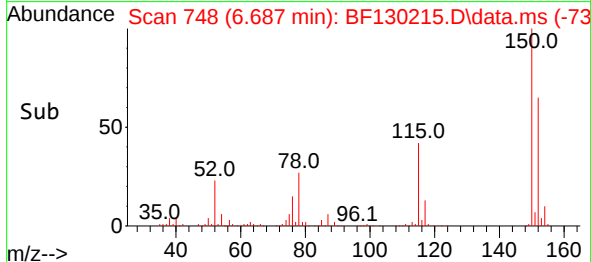
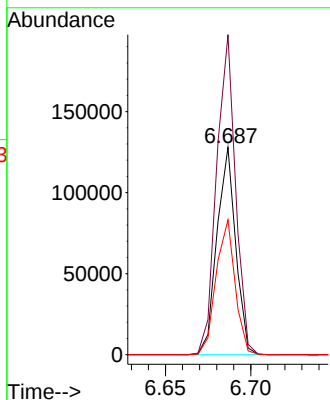
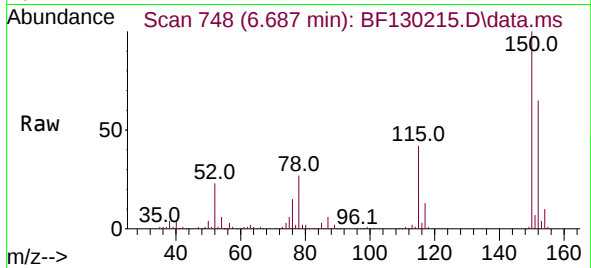




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.687 min Scan# 74
 Delta R.T. -0.011 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

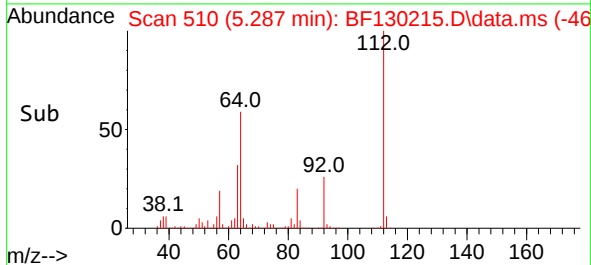
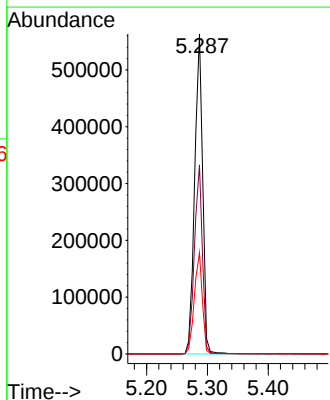
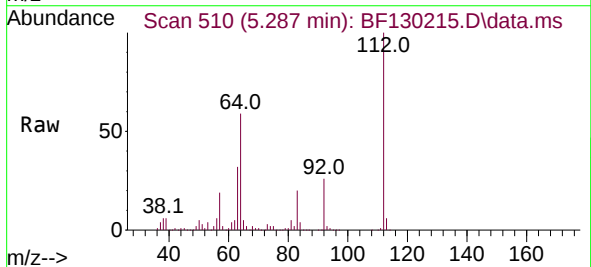
Instrument :
 BNA_F
 ClientSampleId :
 PSC-124019

Tgt Ion:152 Resp: 98024
 Ion Ratio Lower Upper
 152 100
 150 154.4 126.9 190.3
 115 65.0 53.4 80.0



#5
 2-Fluorophenol
 Concen: 89.164 ng
 RT: 5.287 min Scan# 510
 Delta R.T. -0.012 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

Tgt Ion:112 Resp: 514839
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.6 71.4
 63 31.7 24.6 37.0

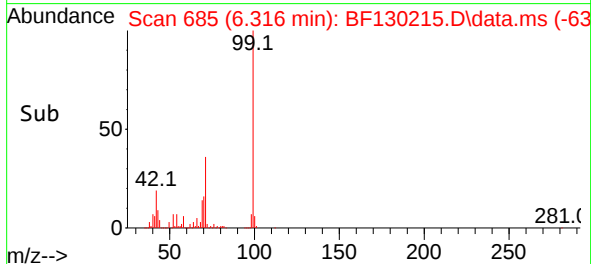
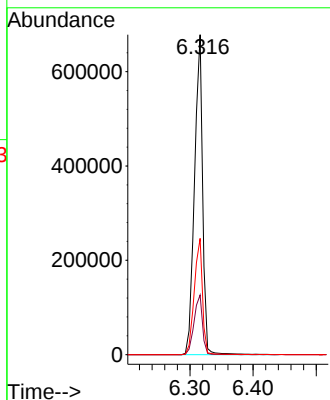
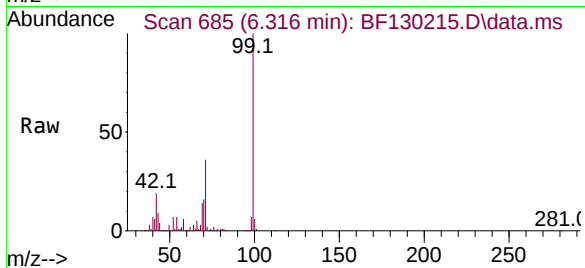




#7
Phenol-d6
Concen: 84.145 ng
RT: 6.316 min Scan# 61
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

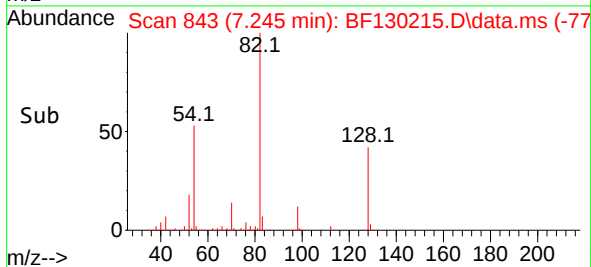
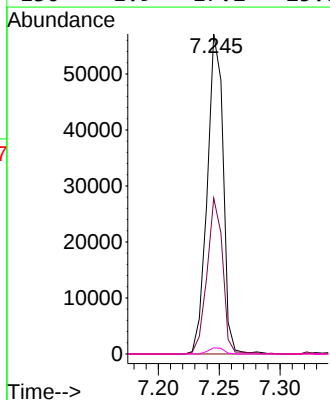
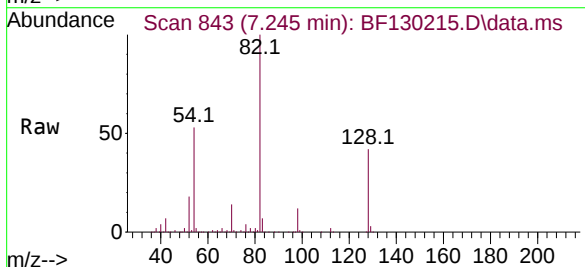
Instrument :
BNA_F
ClientSampleId :
PSC-124019

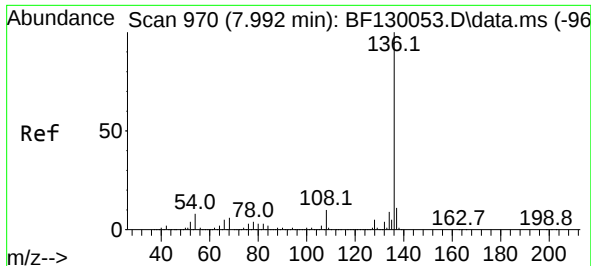
Tgt Ion: 99 Resp: 605725
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 36.4 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.920 ng
RT: 7.245 min Scan# 843
Delta R.T. 0.118 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

Tgt Ion: 70 Resp: 51696
Ion Ratio Lower Upper
70 100
42 48.7 47.6 71.4
101 0.0 8.1 12.1#
130 1.9 17.2 25.8#

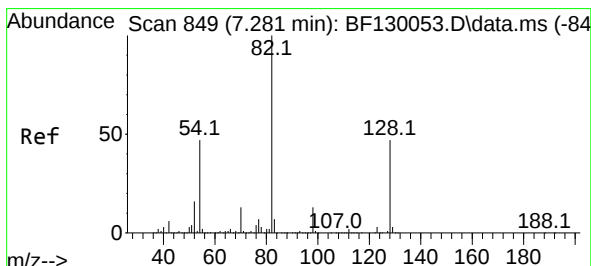
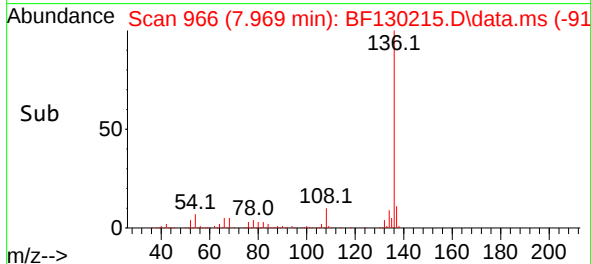
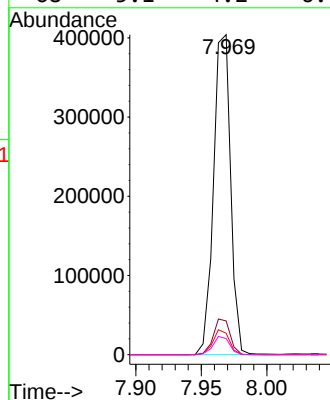
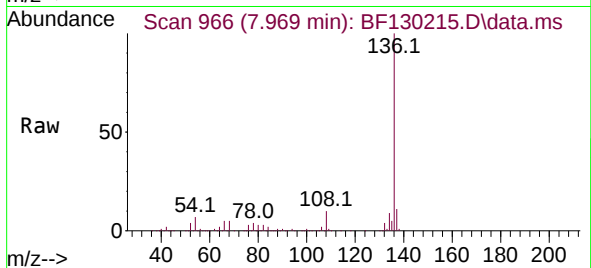




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.969 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

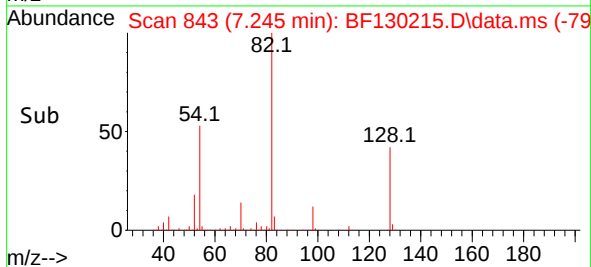
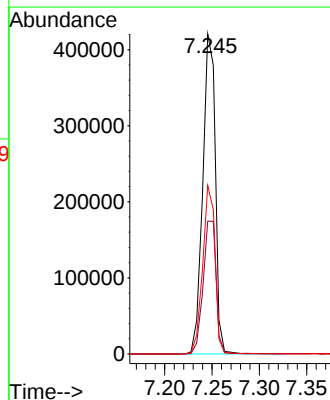
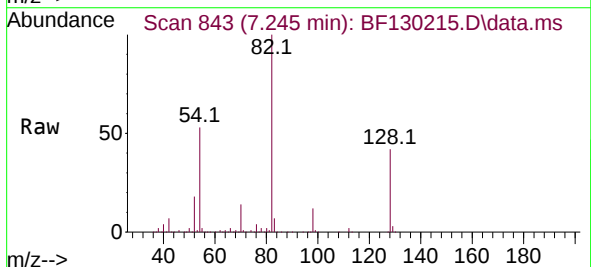
Instrument :
BNA_F
ClientSampleId :
PSC-124019

Tgt Ion:136	Resp: 366589
Ion Ratio	Lower Upper
136 100	
137 10.5	8.4 12.6
54 6.7	6.2 9.2
68 5.1	4.2 6.4



#23
Nitrobenzene-d5
Concen: 68.422 ng
RT: 7.245 min Scan# 843
Delta R.T. -0.024 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

Tgt Ion: 82	Resp: 390297
Ion Ratio	Lower Upper
82 100	
128 41.5	36.1 54.1
54 52.6	40.0 60.0

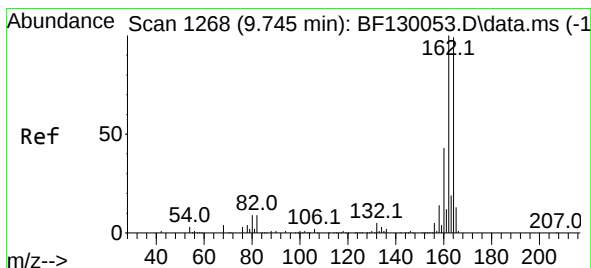
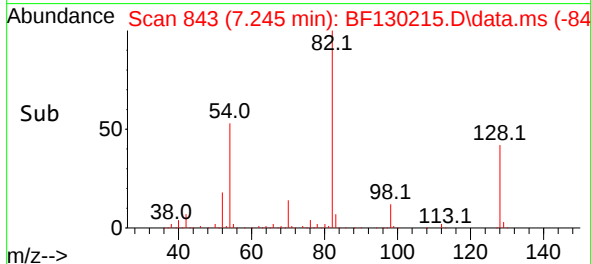
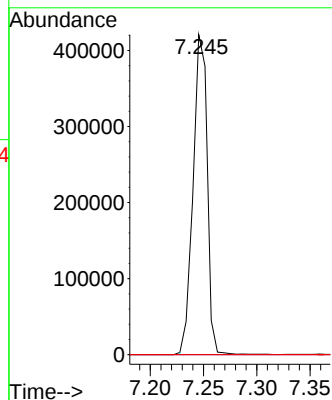
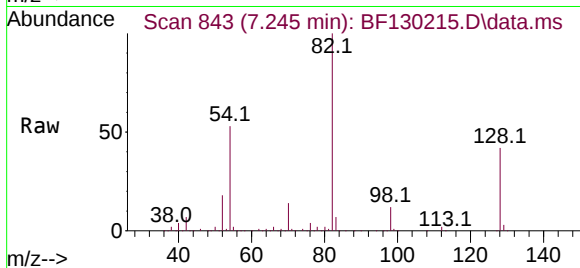




#25
Isophorone
Concen: 33.563 ng
RT: 7.245 min Scan# 84
Delta R.T. -0.282 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

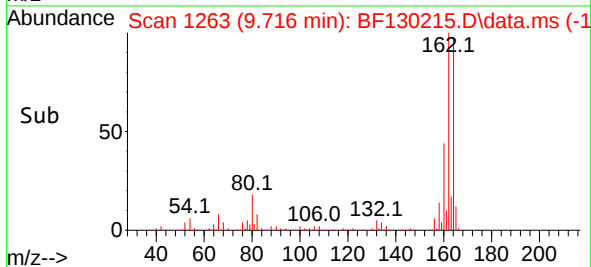
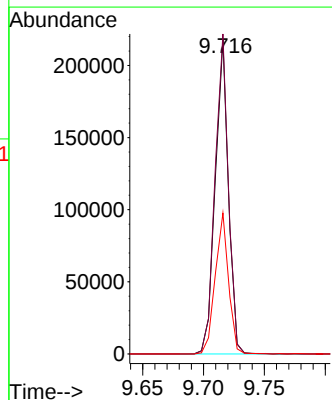
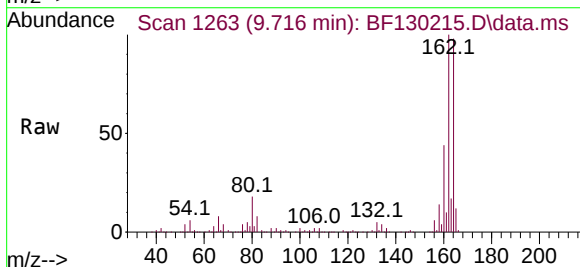
Instrument :
BNA_F
ClientSampleId :
PSC-124019

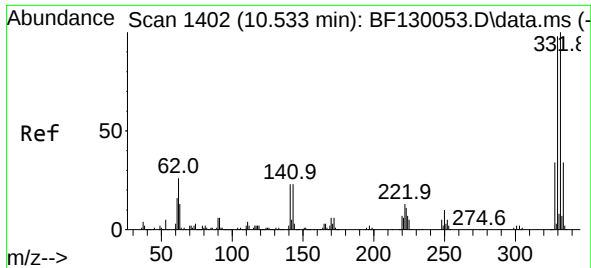
Tgt Ion: 82 Resp: 387503
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.716 min Scan# 1263
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

Tgt Ion: 164 Resp: 164560
Ion Ratio Lower Upper
164 100
162 101.8 82.0 123.0
160 44.8 35.4 53.0

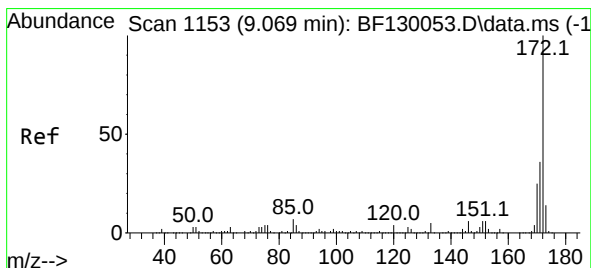
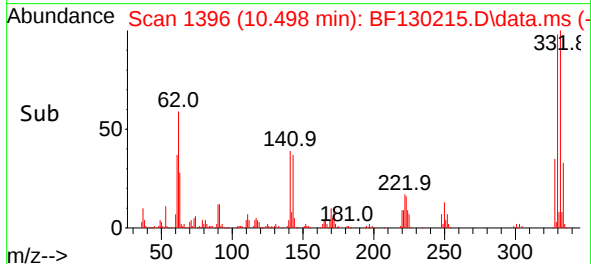
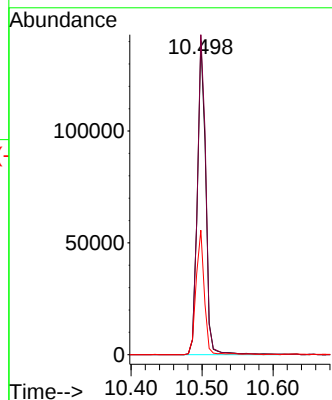
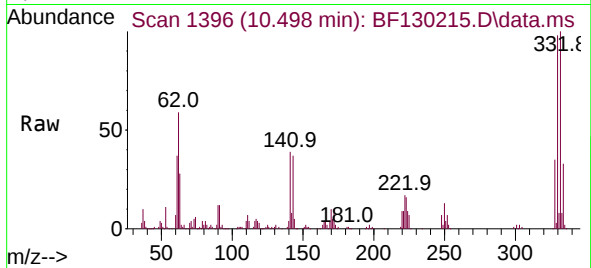




#42
2,4,6-Tribromophenol
Concen: 77.012 ng
RT: 10.498 min Scan# 1148
Delta R.T. -0.024 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

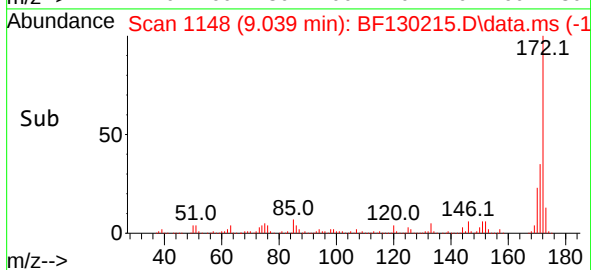
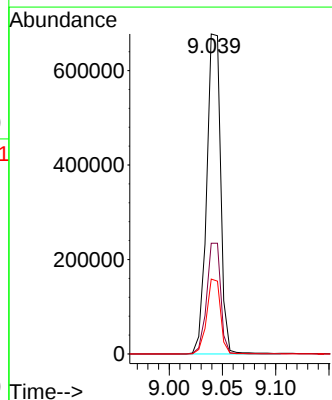
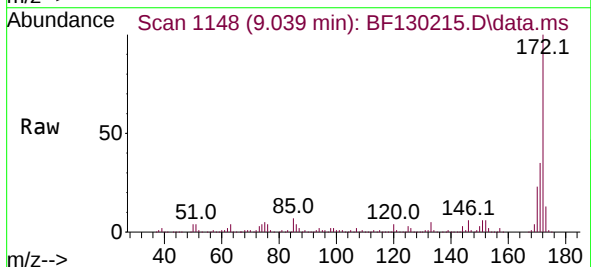
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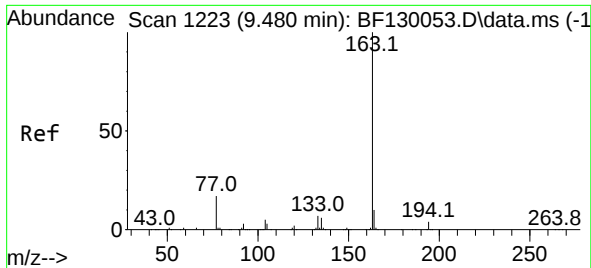
Tgt Ion:330 Resp: 115361
Ion Ratio Lower Upper
330 100
332 102.1 82.6 124.0
141 39.4 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 62.540 ng
RT: 9.039 min Scan# 1148
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

Tgt Ion:172 Resp: 620741
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 23.4 19.1 28.7

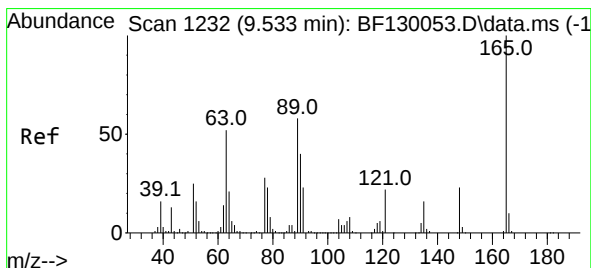
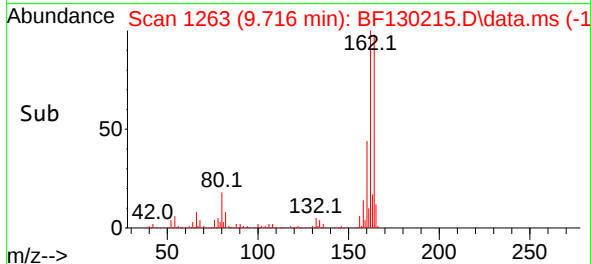
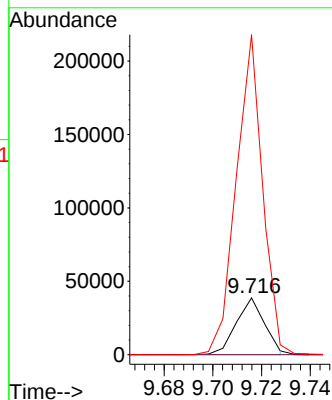
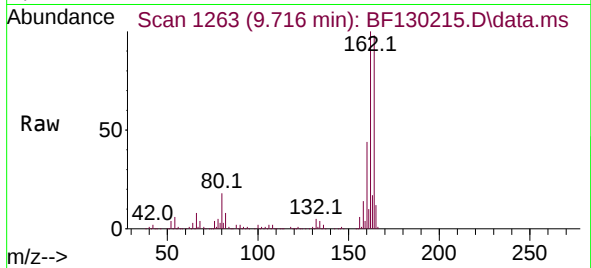




#50
Dimethylphthalate
Concen: 2.783 ng
RT: 9.716 min Scan# 1223
Delta R.T. 0.247 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

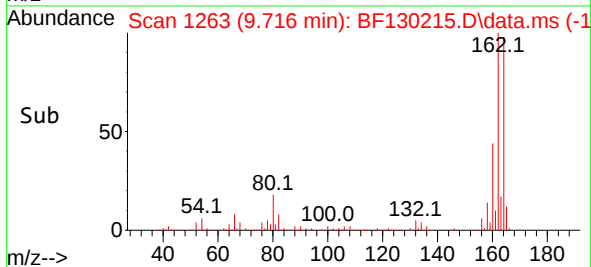
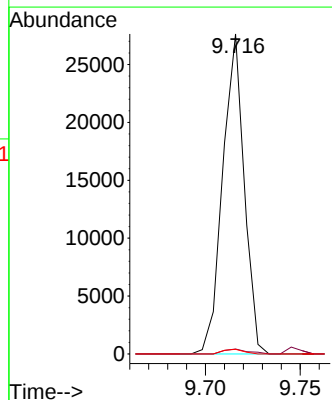
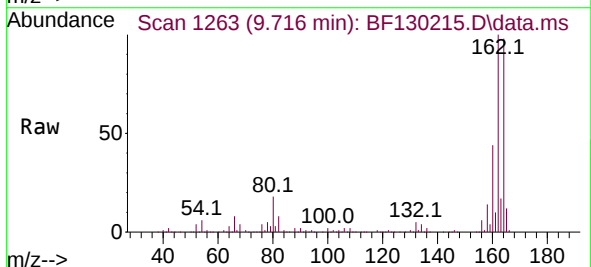
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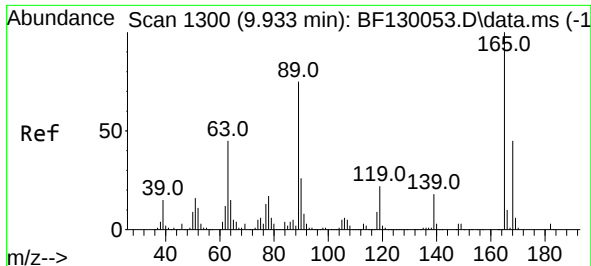
Tgt Ion:163 Resp: 31194
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 564.0 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.990 ng
RT: 9.716 min Scan# 1263
Delta R.T. 0.188 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

Tgt Ion:165 Resp: 21832
Ion Ratio Lower Upper
165 100
63 1.5 47.8 71.8#
89 1.5 47.2 70.8#





#57

2,4-Dinitrotoluene

Concen: 8.677 ng

RT: 9.716 min Scan# 1

Delta R.T. -0.206 min

Lab File: BF130215.D

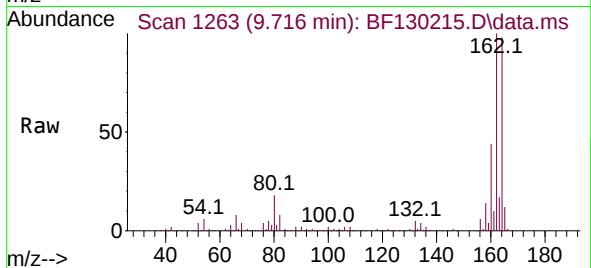
Acq: 12 Sep 2022 20:40

Instrument :

BNA_F

ClientSampleId :

PSC-124019



Tgt Ion:165 Resp: 21832

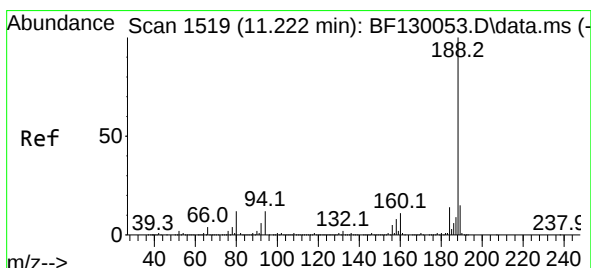
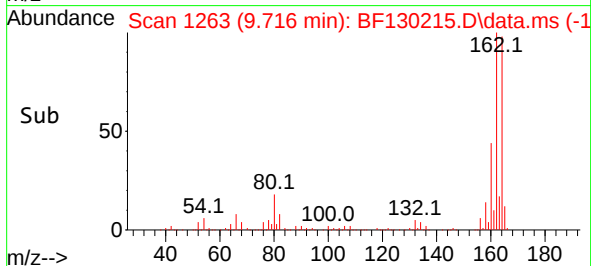
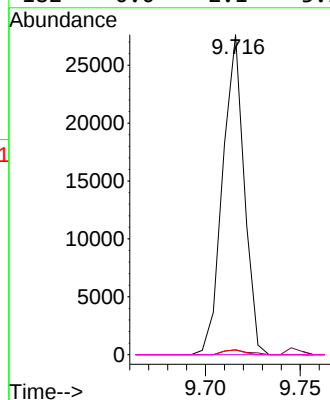
Ion Ratio Lower Upper

165 100

63 1.5 48.4 72.6#

89 1.5 62.3 93.5#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.192 min Scan# 1514

Delta R.T. -0.018 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

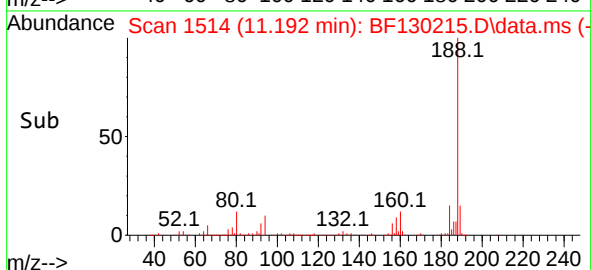
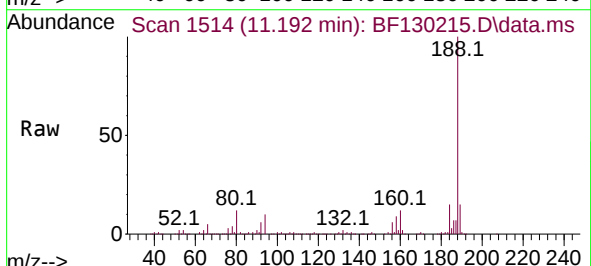
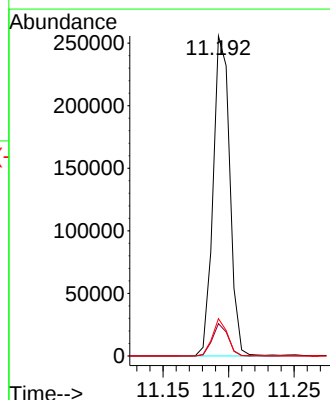
Tgt Ion:188 Resp: 226050

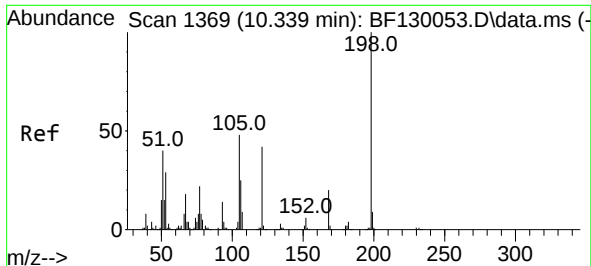
Ion Ratio Lower Upper

188 100

94 10.1 7.4 11.2

80 11.7 7.9 11.9





#65

4,6-Dinitro-2-methylphenol

Concen: 6.357 ng

RT: 10.498 min Scan# 1396

Delta R.T. 0.171 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

Instrument :

BNA_F

ClientSampleId :

PSC-124019

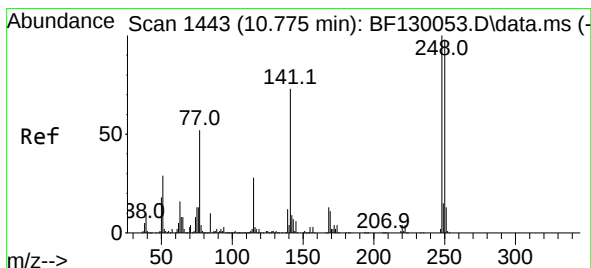
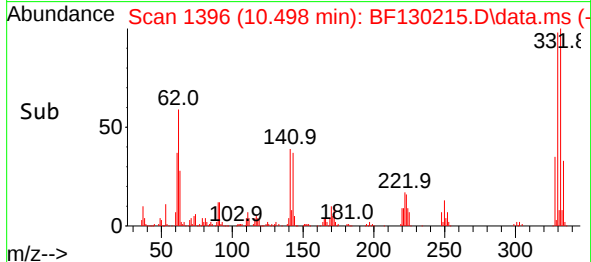
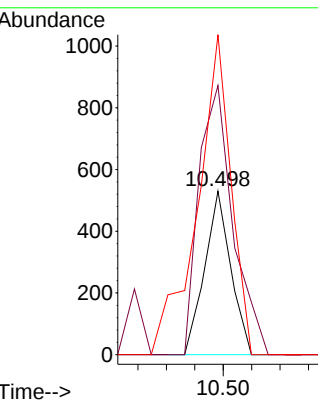
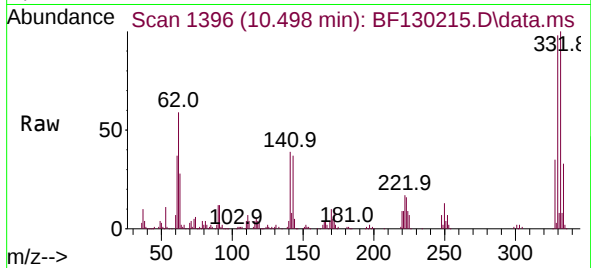
Tgt Ion:198 Resp: 337

Ion Ratio Lower Upper

198 100

51 164.5 29.4 69.4#

105 195.7 29.2 69.2#



#67

4-Bromophenyl-phenylether

Concen: 2.944 ng

RT: 10.498 min Scan# 1396

Delta R.T. -0.265 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

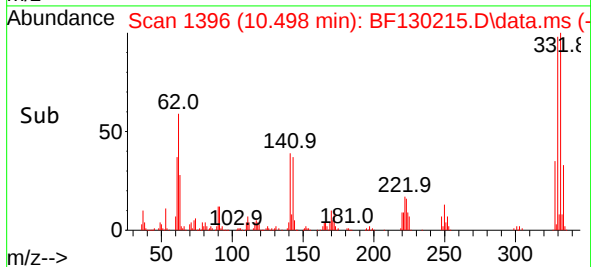
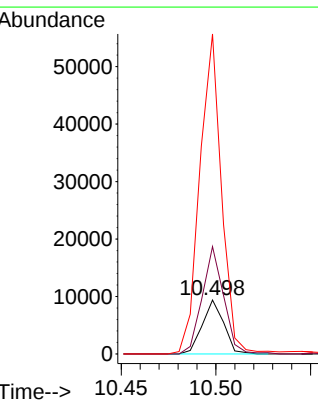
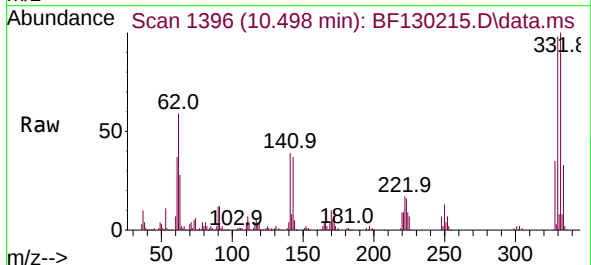
Tgt Ion:248 Resp: 7403

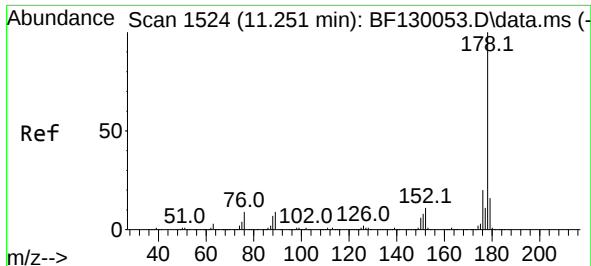
Ion Ratio Lower Upper

248 100

250 199.2 77.8 116.6#

141 593.2 66.2 99.2#

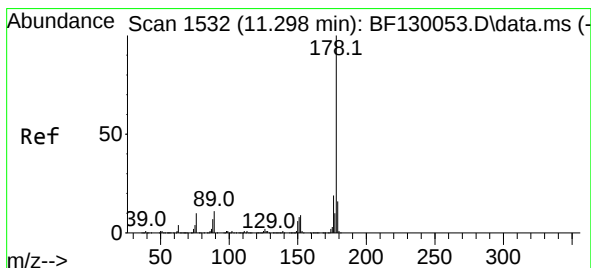
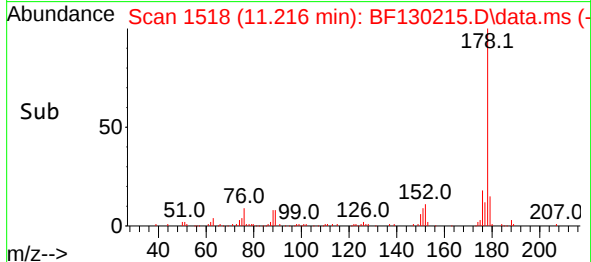
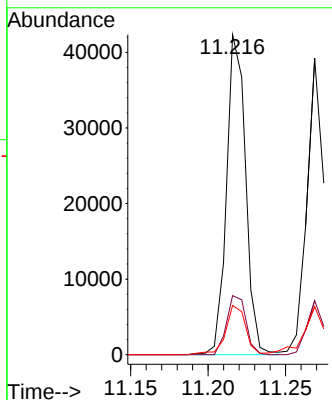
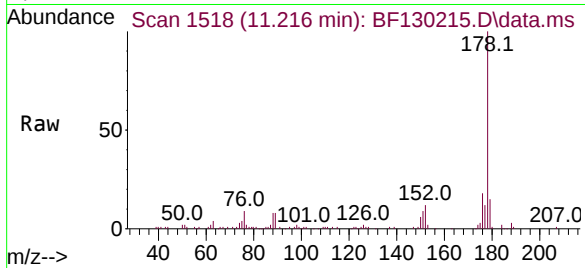




#71
Phenanthrene
Concen: 2.961 ng
RT: 11.216 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

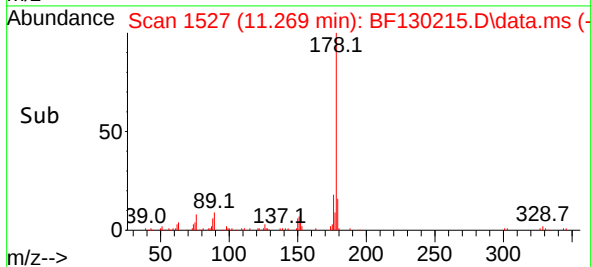
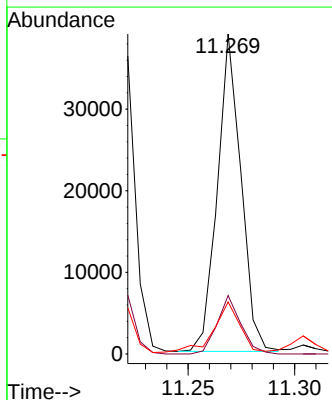
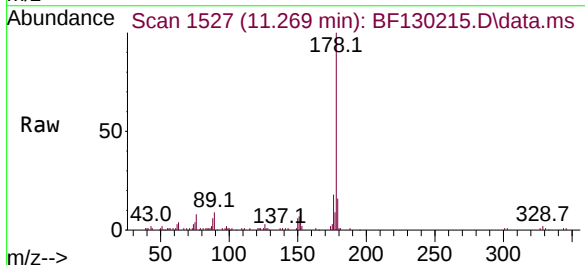
Instrument :
BNA_F
ClientSampleId :
PSC-124019

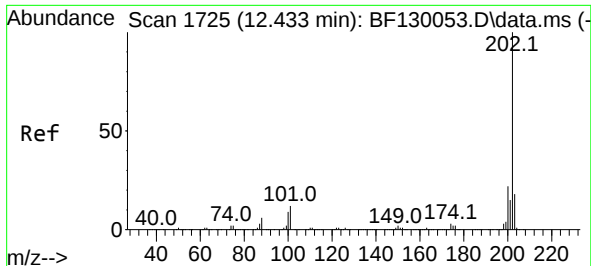
Tgt Ion:178 Resp: 36294
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.4 12.5 18.7



#72
Anthracene
Concen: 2.487 ng
RT: 11.269 min Scan# 1527
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

Tgt Ion:178 Resp: 29969
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 16.3 12.6 18.8

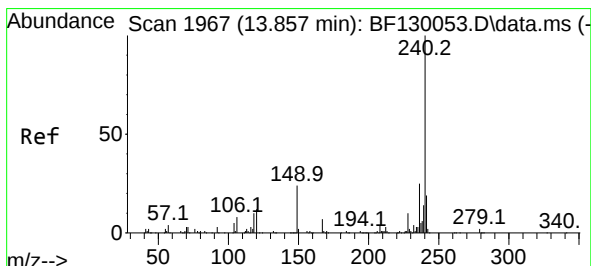
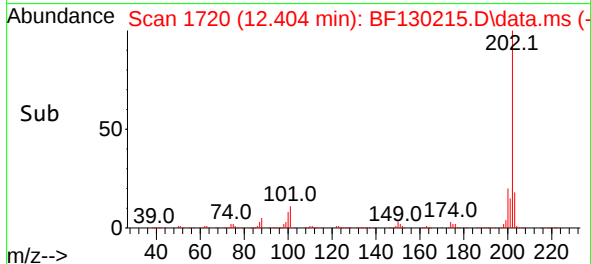
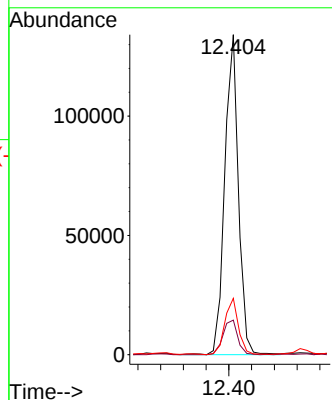
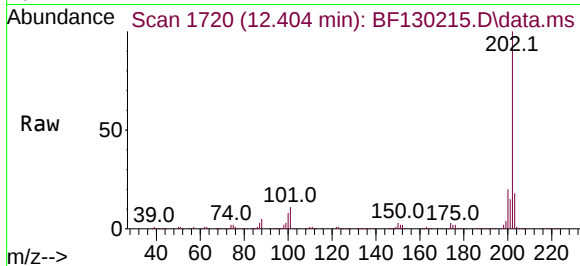




#75
Fluoranthene
Concen: 9.242 ng
RT: 12.404 min Scan# 1720
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

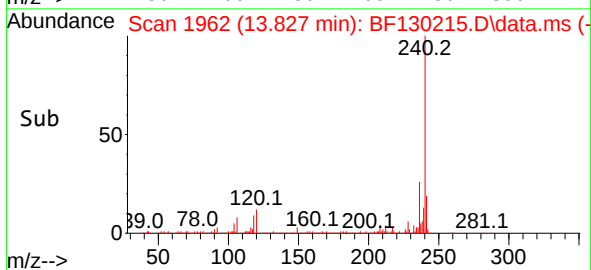
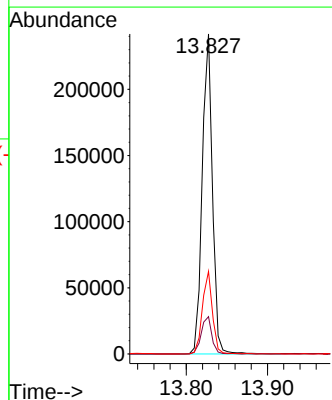
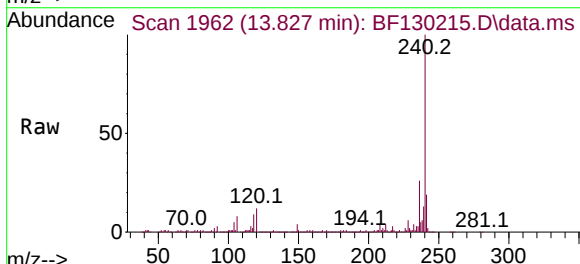
Instrument :
BNA_F
ClientSampleId :
PSC-124019

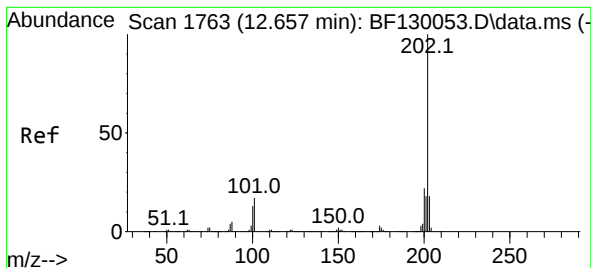
Tgt Ion:202 Resp: 112351
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.827 min Scan# 1962
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

Tgt Ion:240 Resp: 211068
Ion Ratio Lower Upper
240 100
120 11.7 9.2 13.8
236 25.8 20.7 31.1





#78

Pyrene

Concen: 6.817 ng

RT: 12.627 min Scan# 1758

Delta R.T. -0.024 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

Instrument :

BNA_F

ClientSampleId :

PSC-124019

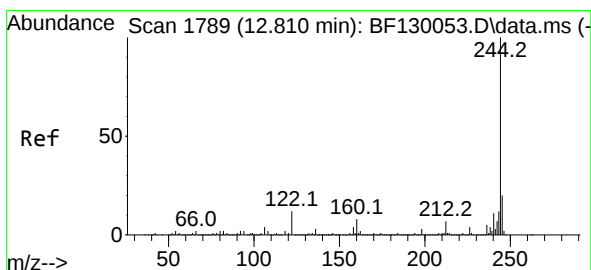
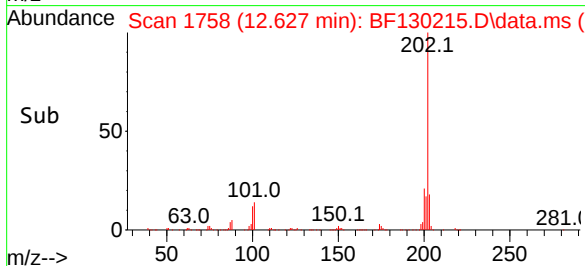
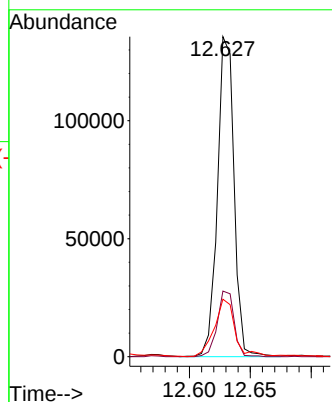
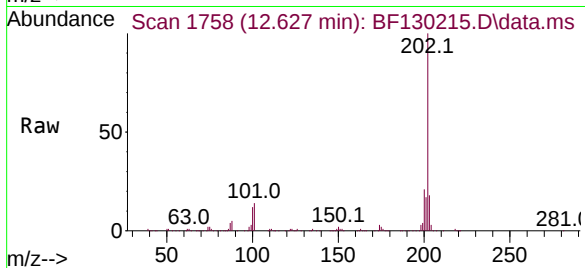
Tgt Ion:202 Resp: 129058

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.6

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 34.907 ng

RT: 12.780 min Scan# 1784

Delta R.T. -0.018 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

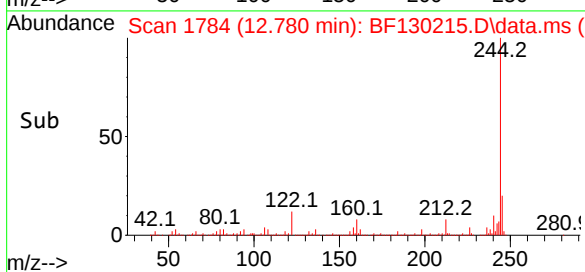
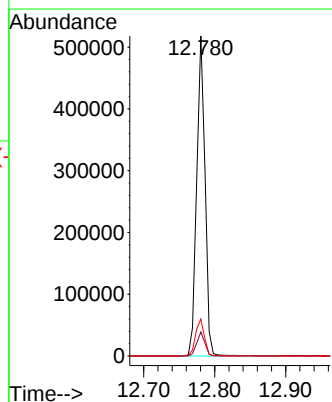
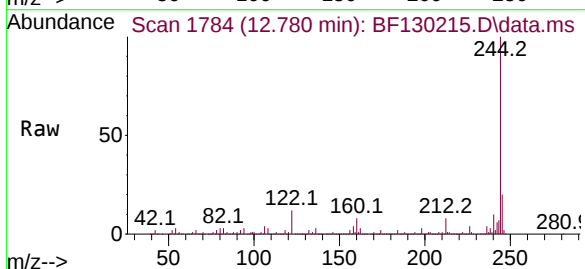
Tgt Ion:244 Resp: 424870

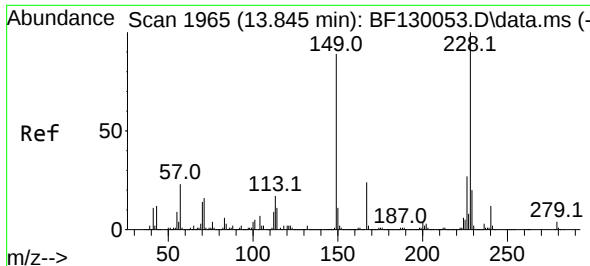
Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 11.6 9.9 14.9

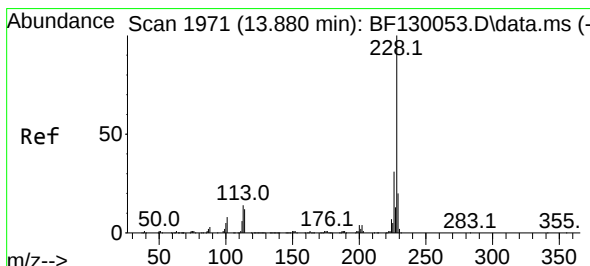
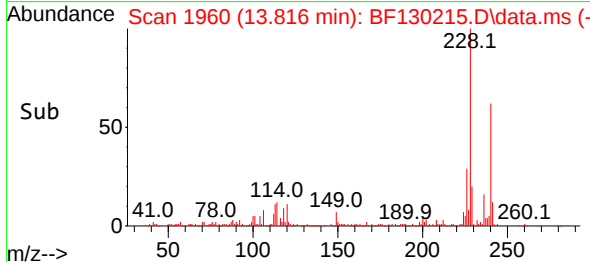
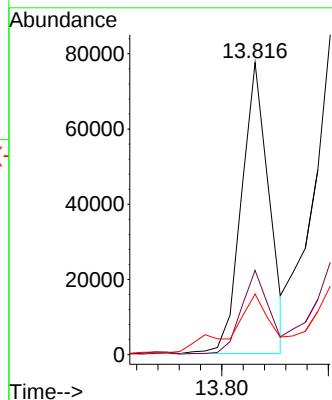
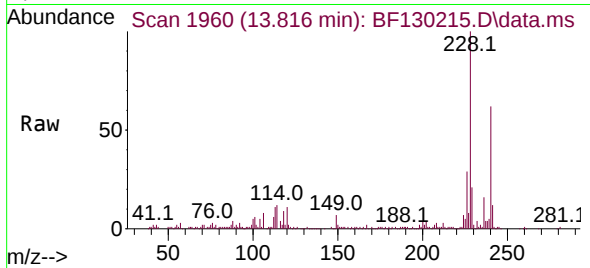




#81
Benzo(a)anthracene
Concen: 4.807 ng
RT: 13.816 min Scan# 1960
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

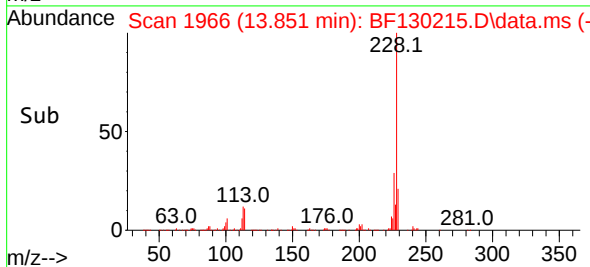
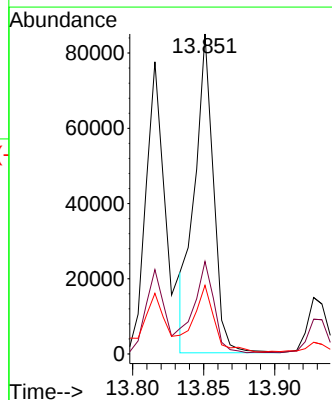
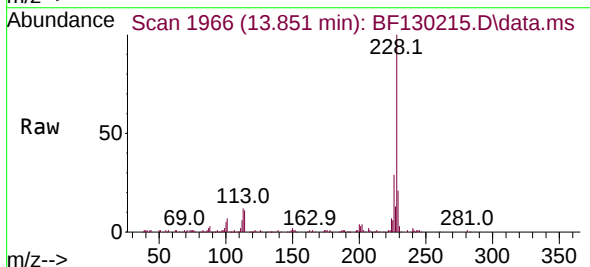
Instrument :
BNA_F
ClientSampleId :
PSC-124019

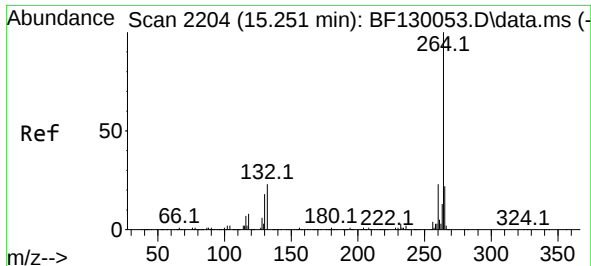
Tgt Ion:228 Resp: 69529
Ion Ratio Lower Upper
228 100
226 28.9 21.4 32.0
229 20.8 16.1 24.1



#83
Chrysene
Concen: 5.488 ng
RT: 13.851 min Scan# 1966
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

Tgt Ion:228 Resp: 78270
Ion Ratio Lower Upper
228 100
226 28.9 24.4 36.6
229 21.5 15.9 23.9

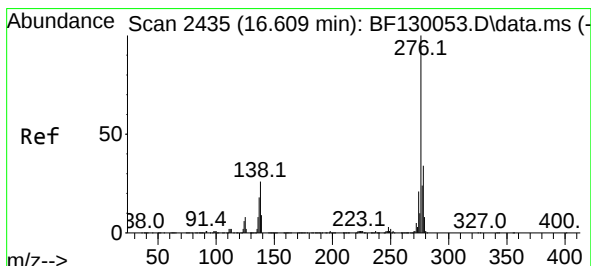
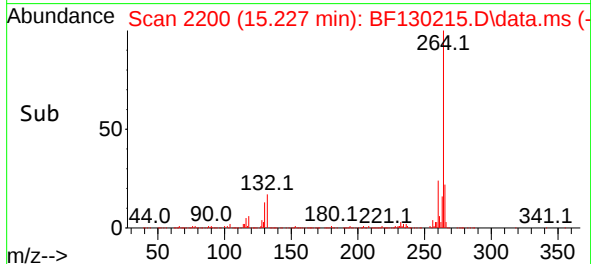
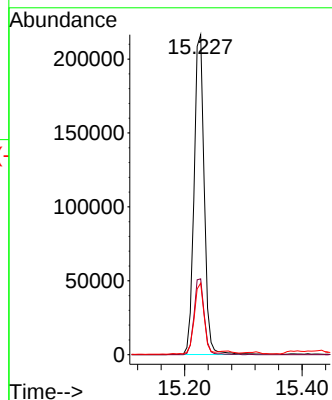
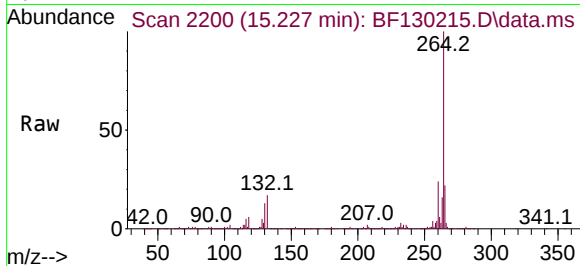




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.227 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

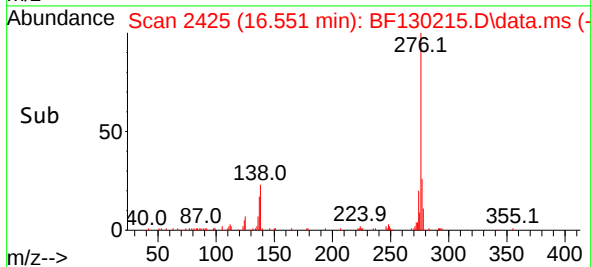
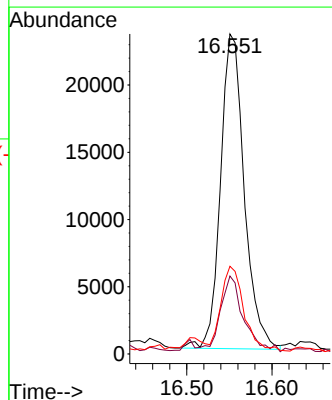
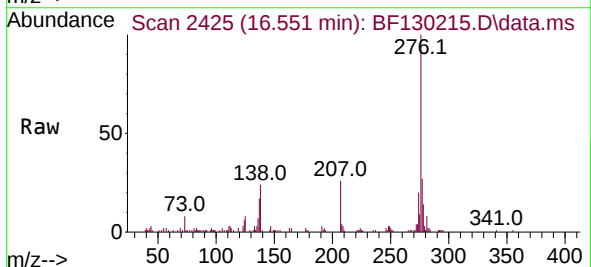
Instrument :
 BNA_F
 ClientSampleId :
 PSC-124019

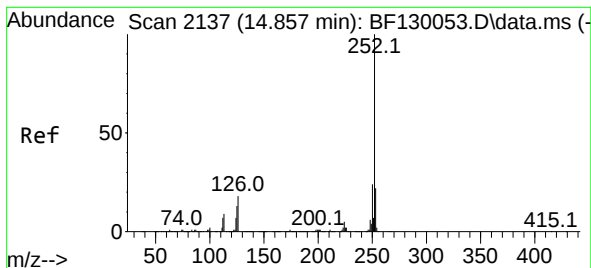
Tgt Ion:264 Resp: 257874
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 22.4 16.7 25.1



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.670 ng
 RT: 16.551 min Scan# 2425
 Delta R.T. -0.035 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

Tgt Ion:276 Resp: 45418
 Ion Ratio Lower Upper
 276 100
 138 21.6 19.8 29.8
 277 28.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 9.215 ng

RT: 14.827 min Scan# 2132

Delta R.T. -0.018 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

Instrument :

BNA_F

ClientSampleId :

PSC-124019

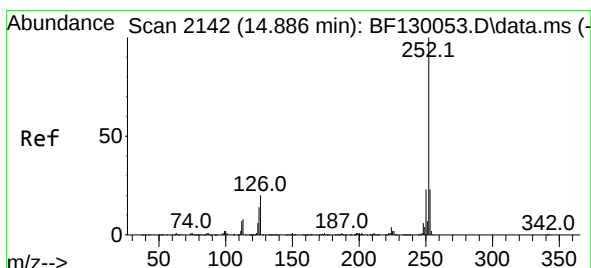
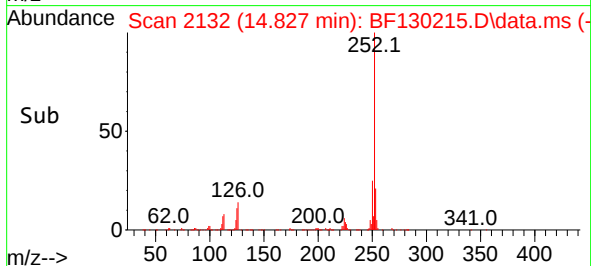
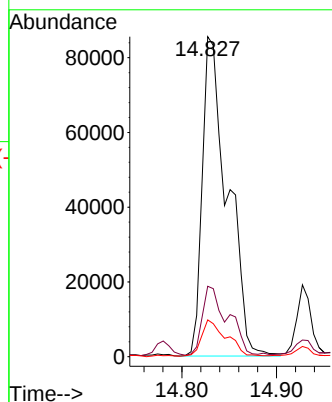
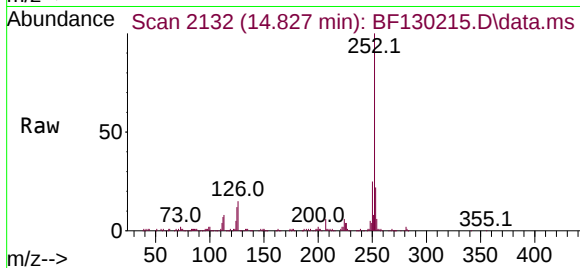
Tgt Ion:252 Resp: 158467

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 11.5 8.3 12.5



#89

Benzo(k)fluoranthene

Concen: 9.528 ng

RT: 14.827 min Scan# 2132

Delta R.T. -0.047 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

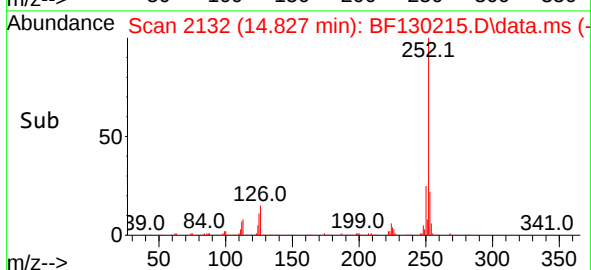
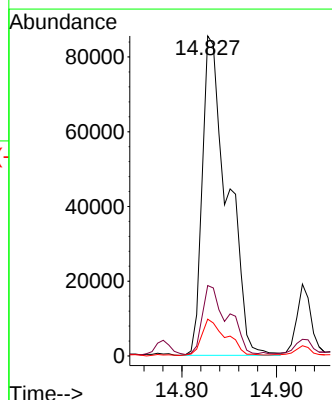
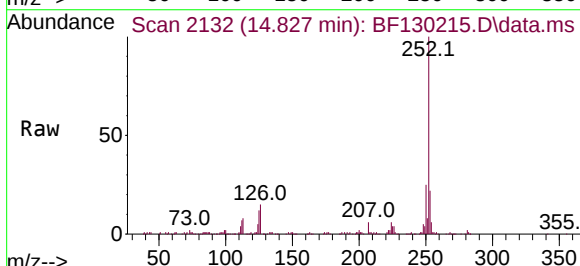
Tgt Ion:252 Resp: 158467

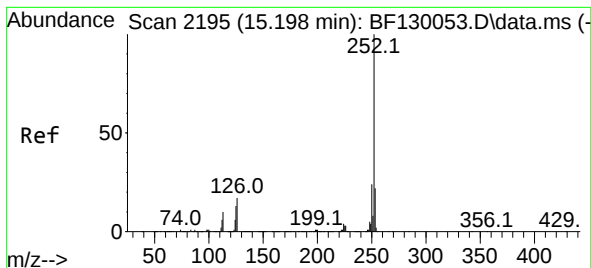
Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 11.5 8.3 12.5





#90

Benzo(a)pyrene

Concen: 6.032 ng

RT: 15.163 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

Instrument :

BNA_F

ClientSampleId :

PSC-124019

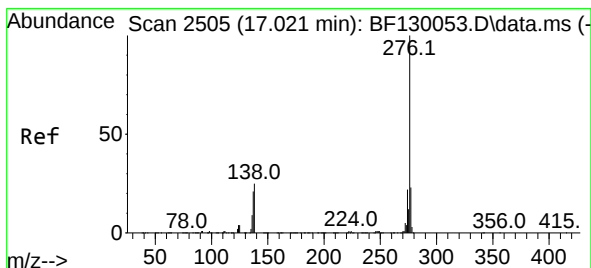
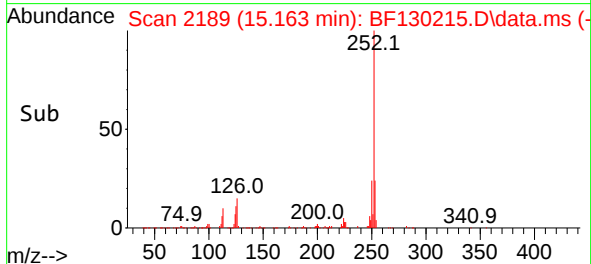
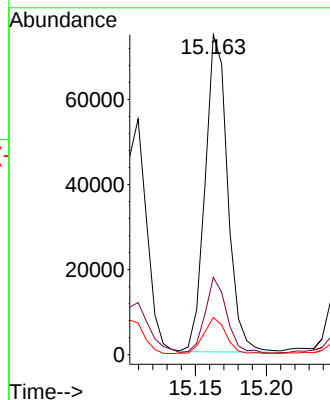
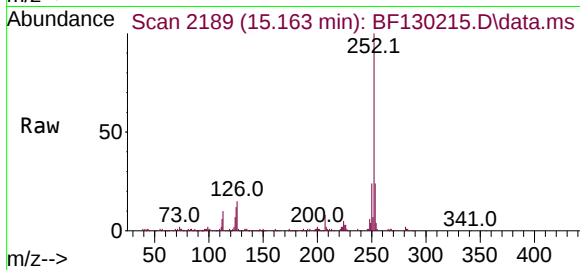
Tgt Ion:252 Resp: 82423

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

125 11.6 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 3.138 ng

RT: 16.957 min Scan# 2494

Delta R.T. -0.041 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

Tgt Ion:276 Resp: 43705

Ion Ratio Lower Upper

276 100

277 26.1 18.2 27.4

138 19.1 15.8 23.8

