

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070622\
 Data File : BF129148.D
 Acq On : 06 Jul 2022 17:56
 Operator : CG\JU
 Sample : N3562-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-8B

Quant Time: Jul 07 00:26:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

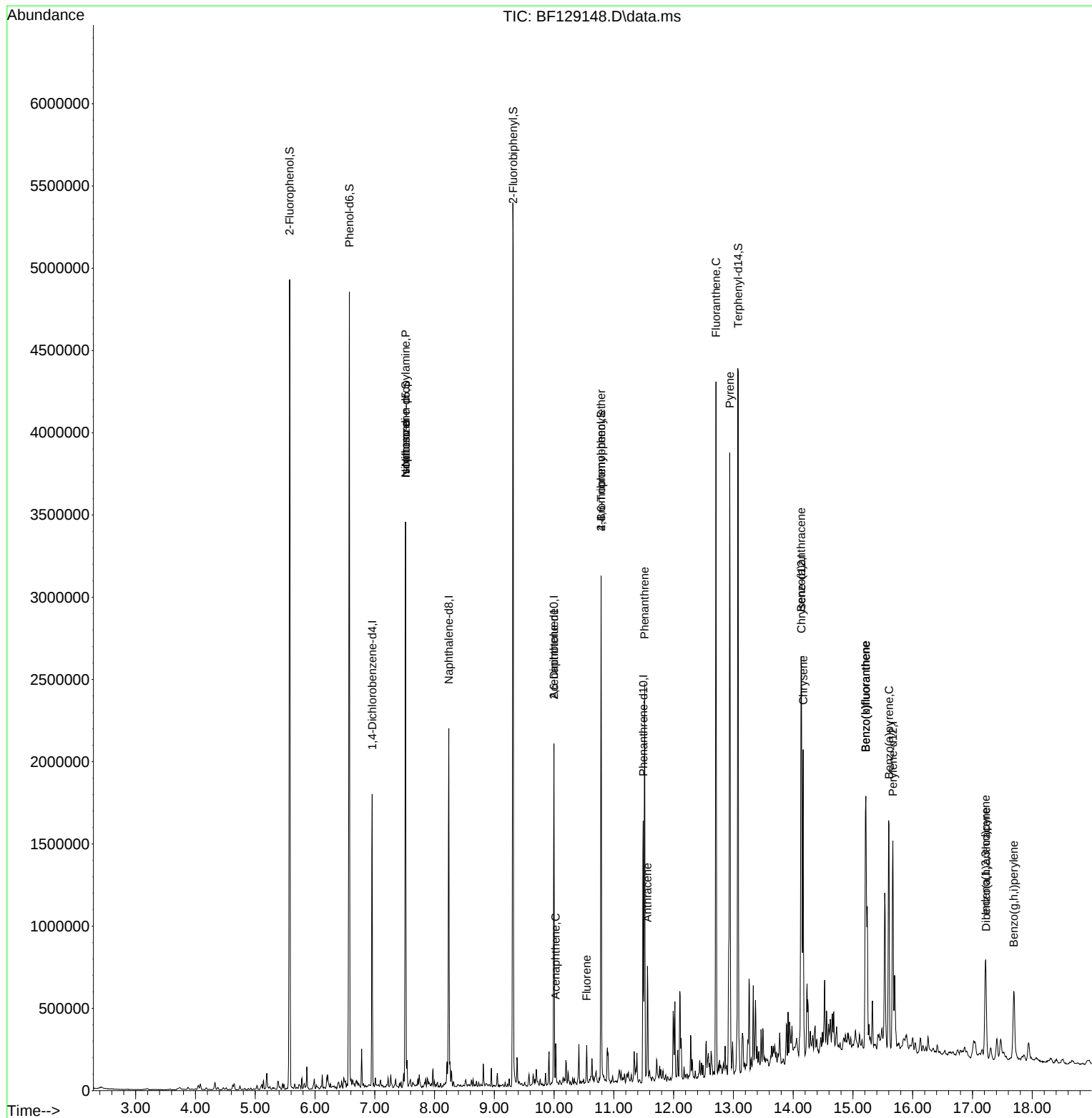
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	255185	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	890659	20.000	ng	# 0.00
39) Acenaphthene-d10	9.998	164	398683	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	592317	20.000	ng	0.00
76) Chrysene-d12	14.139	240	490687	20.000	ng	-0.01
86) Perylene-d12	15.668	264	561833	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1395980	92.485	ng	-0.01
7) Phenol-d6	6.575	99	1656082	88.342	ng	-0.01
23) Nitrobenzene-d5	7.516	82	1008929	67.567	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	348360	80.358	ng	-0.01
45) 2-Fluorobiphenyl	9.316	172	1801201	72.276	ng	0.00
79) Terphenyl-d14	13.080	244	1560060	66.023	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	694	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.516	70	137766	12.704	ng	# 72
25) Isophorone	7.516	82	987279	39.122	ng	# 65
51) 2,6-Dinitrotoluene	9.998	165	52341	10.270	ng	# 25
52) Acenaphthene	10.027	154	47323	2.160	ng	99
58) Fluorene	10.545	166	58993	2.391	ng	94
67) 4-Bromophenyl-phenylether	10.786	248	20434	3.243	ng	# 1
71) Phenanthrene	11.516	178	834465	29.486	ng	98
72) Anthracene	11.563	178	253143	9.072	ng	98
75) Fluoranthene	12.710	202	1537405	51.944	ng	98
78) Pyrene	12.939	202	1516405	44.584	ng	98
81) Benzo(a)anthracene	14.133	228	739299	24.676	ng	99
83) Chrysene	14.168	228	702302	25.250	ng	98
87) Indeno(1,2,3-cd)pyrene	17.221	276	408869	11.866	ng	95
88) Benzo(b)fluoranthene	15.215	252	1238082	36.642	ng	97
89) Benzo(k)fluoranthene	15.215	252	1238082	37.778	ng	97
90) Benzo(a)pyrene	15.604	252	724788	26.313	ng	99
91) Dibenzo(a,h)anthracene	17.227	278	107549	3.829	ng	# 93
92) Benzo(g,h,i)perylene	17.692	276	352285	12.500	ng	98

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

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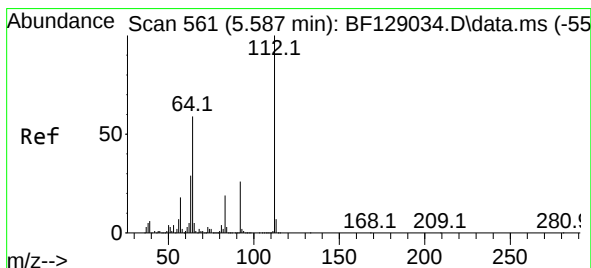
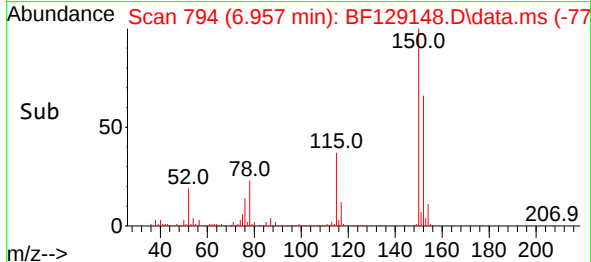
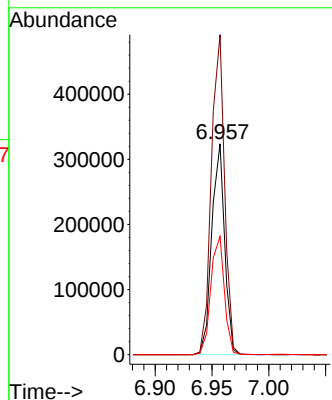
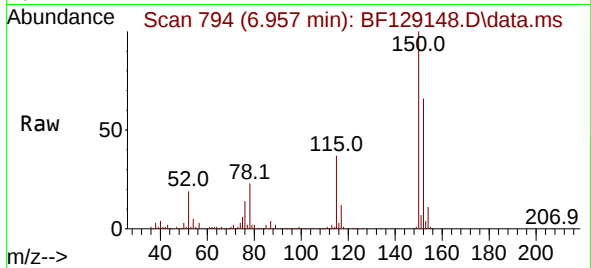




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

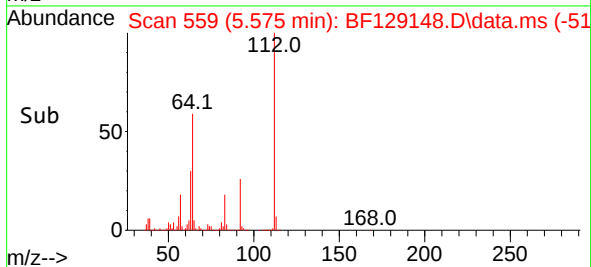
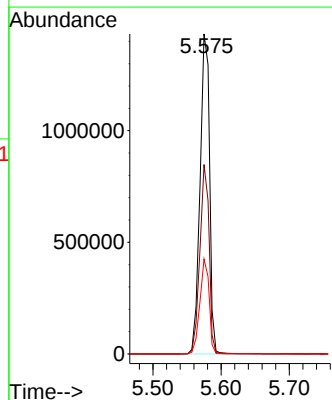
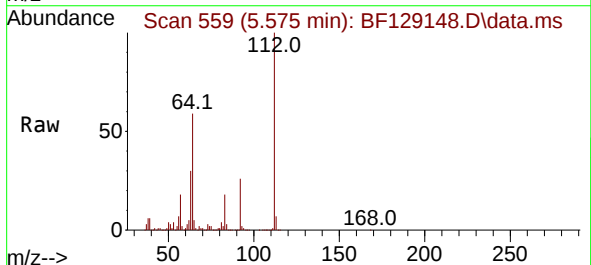
Instrument :
BNA_F
ClientSampleId :
SB-8B

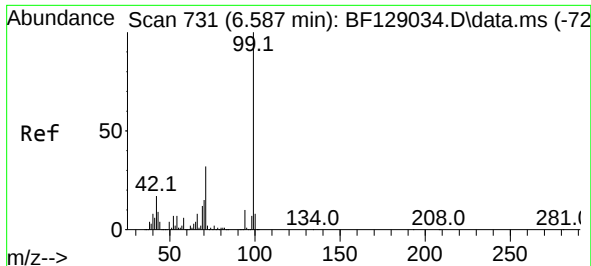
Tgt Ion:152 Resp: 255185
Ion Ratio Lower Upper
152 100
150 151.8 123.7 185.5
115 56.0 49.9 74.9



#5
2-Fluorophenol
Concen: 92.485 ng
RT: 5.575 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

Tgt Ion:112 Resp: 1395980
Ion Ratio Lower Upper
112 100
64 59.2 53.3 79.9
63 29.7 28.0 42.0





#7
Phenol-d6
Concen: 88.342 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

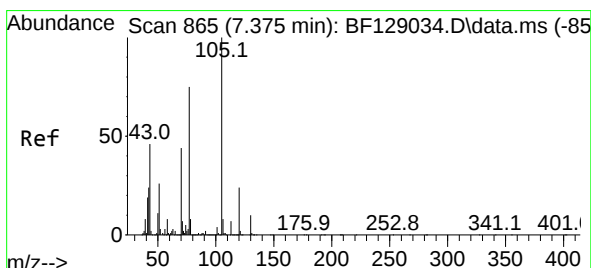
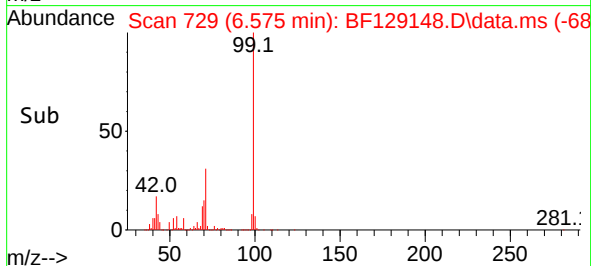
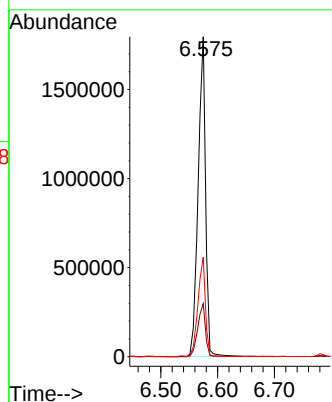
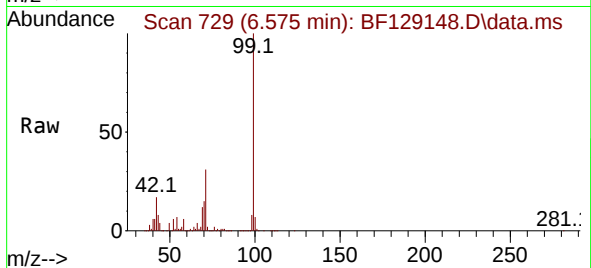
Instrument :

BNA_F

ClientSampleId :

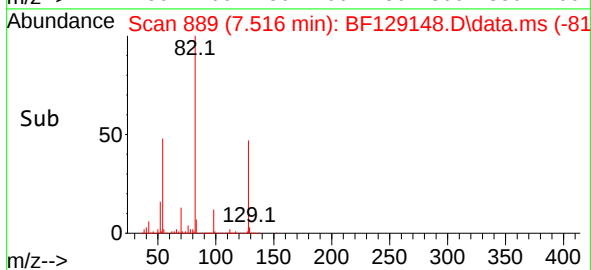
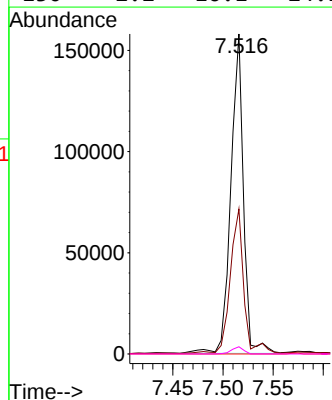
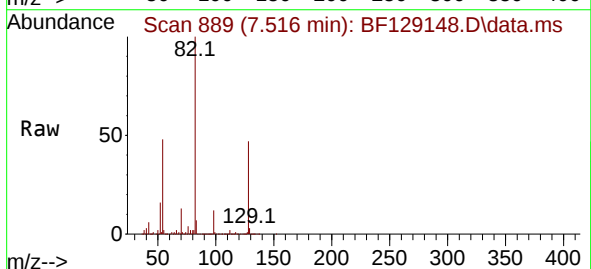
SB-8B

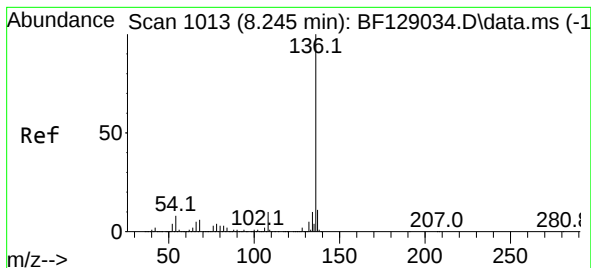
Tgt Ion: 99 Resp: 1656082
Ion Ratio Lower Upper
99 100
42 16.6 17.3 25.9#
71 31.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.704 ng
RT: 7.516 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

Tgt Ion: 70 Resp: 137766
Ion Ratio Lower Upper
70 100
42 45.3 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

Instrument :

BNA_F

ClientSampleId :

SB-8B

Tgt Ion:136 Resp: 890659

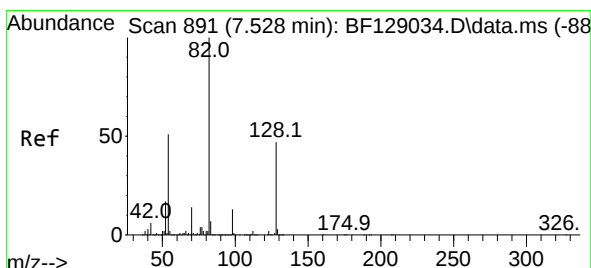
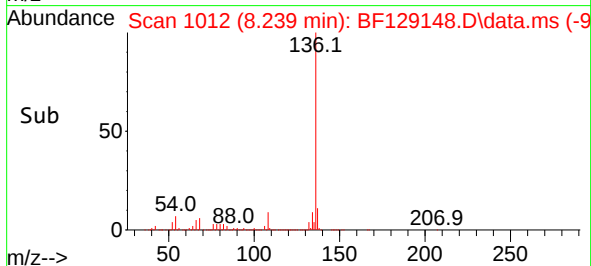
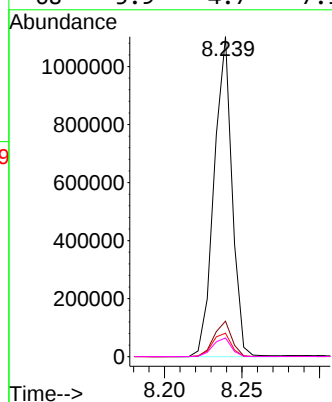
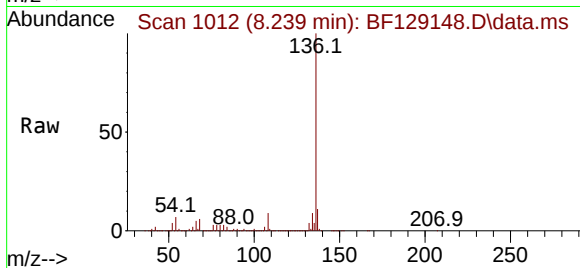
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.3 7.5 11.3#

68 5.9 4.7 7.1



#23

Nitrobenzene-d5

Concen: 67.567 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

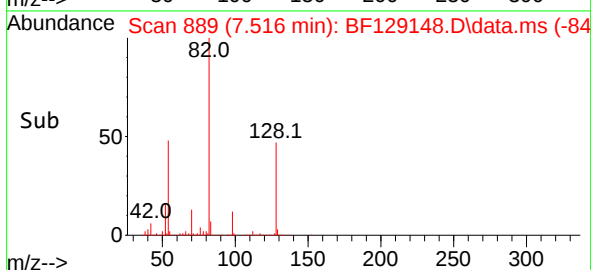
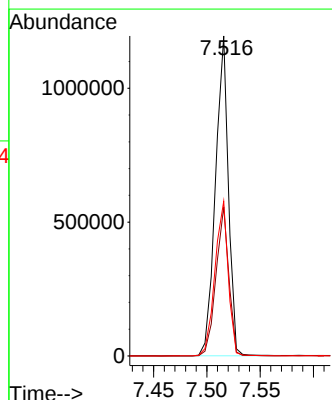
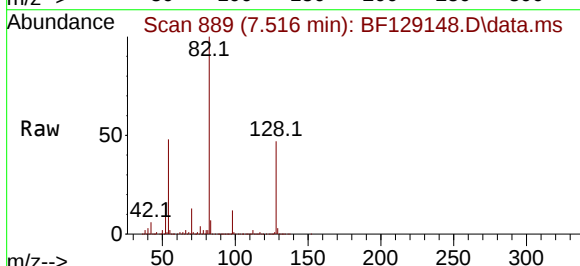
Tgt Ion: 82 Resp: 1008929

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

54 48.3 46.9 70.3

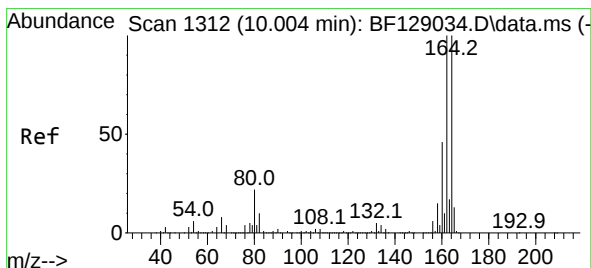
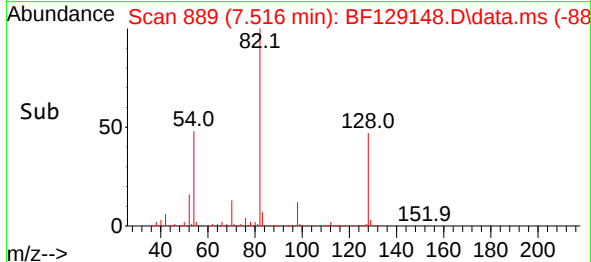
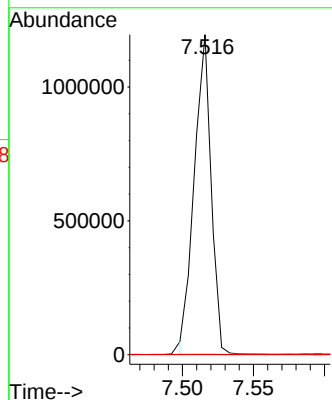
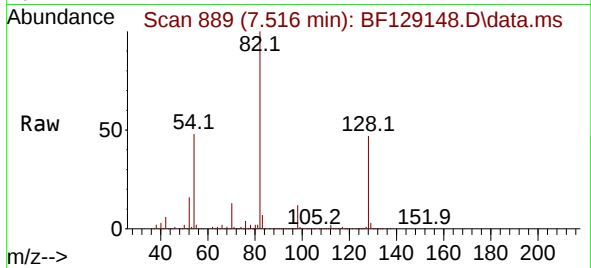




#25
Isophorone
Concen: 39.122 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

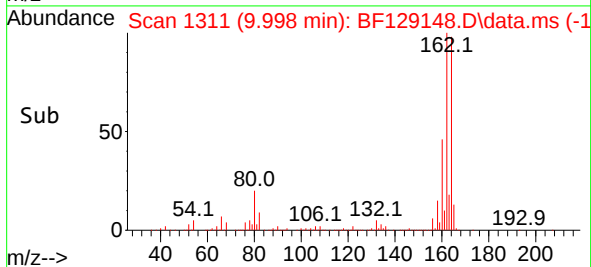
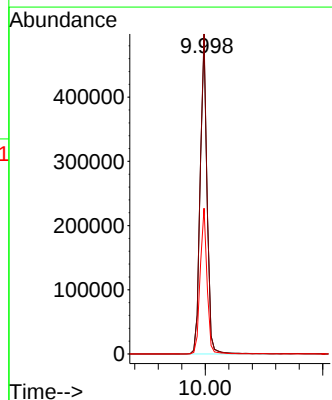
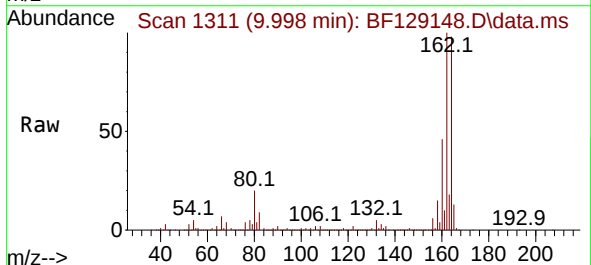
Instrument :
BNA_F
ClientSampleId :
SB-8B

Tgt Ion: 82 Resp: 987279
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

Tgt Ion: 164 Resp: 398683
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 46.6 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 80.358 ng

RT: 10.786 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

Instrument :

BNA_F

ClientSampleId :

SB-8B

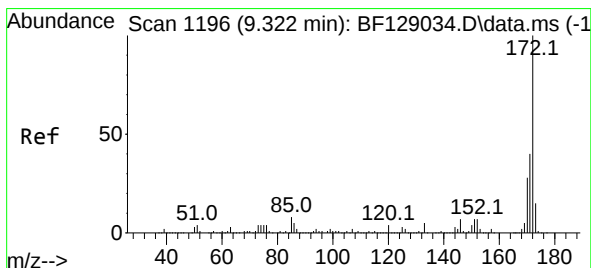
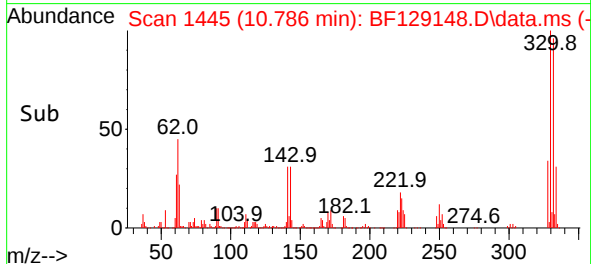
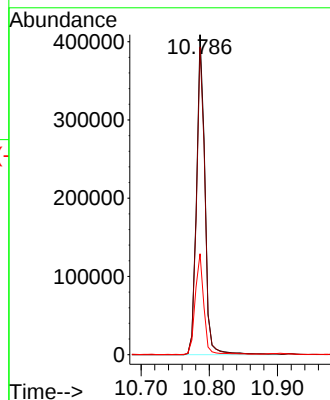
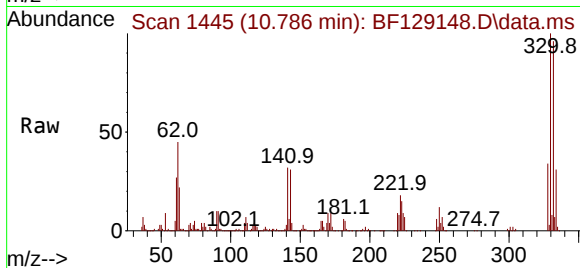
Tgt Ion:330 Resp: 348360

Ion Ratio Lower Upper

330 100

332 96.6 76.8 115.2

141 32.3 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 72.276 ng

RT: 9.316 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

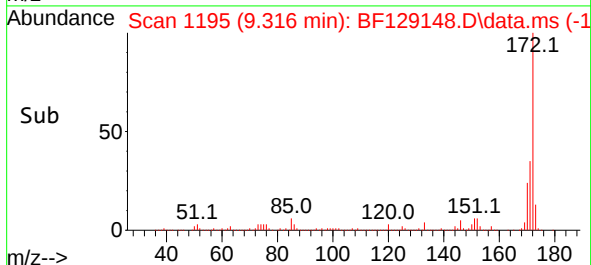
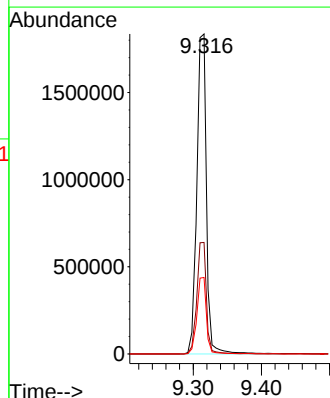
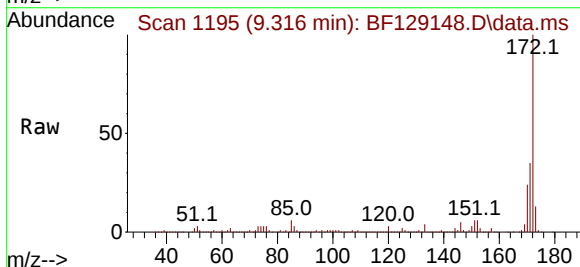
Tgt Ion:172 Resp: 1801201

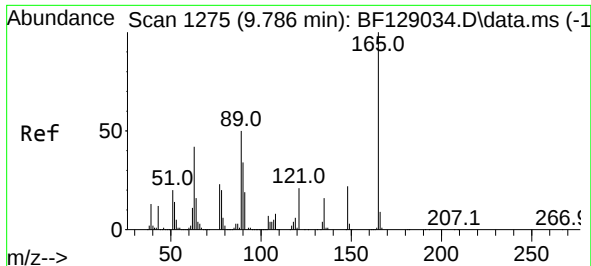
Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 23.9 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 10.270 ng

RT: 9.998 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

Instrument :

BNA_F

ClientSampleId :

SB-8B

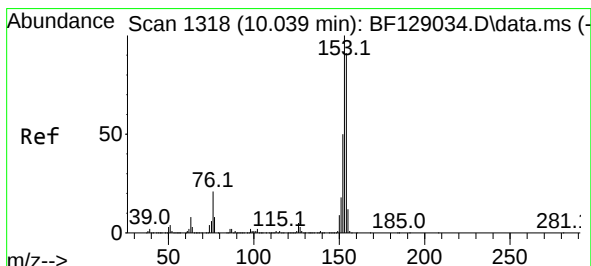
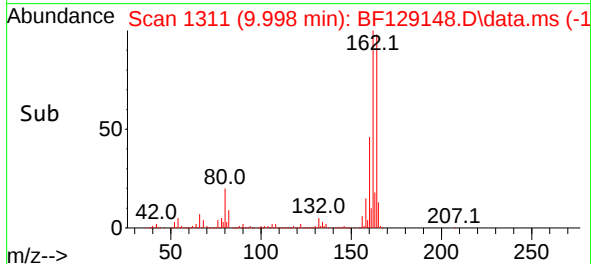
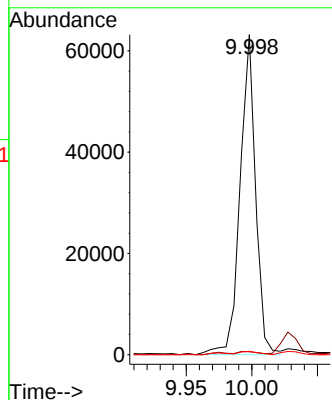
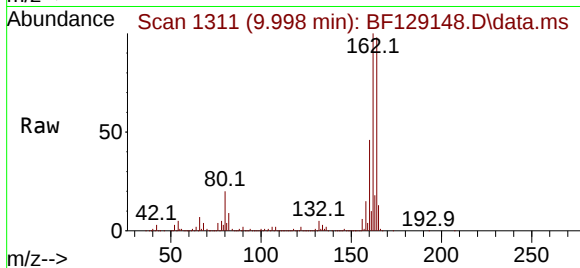
Tgt Ion:165 Resp: 52341

Ion Ratio Lower Upper

165 100

63 0.9 44.9 67.3#

89 1.0 43.6 65.4#



#52

Acenaphthene

Concen: 2.160 ng

RT: 10.027 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

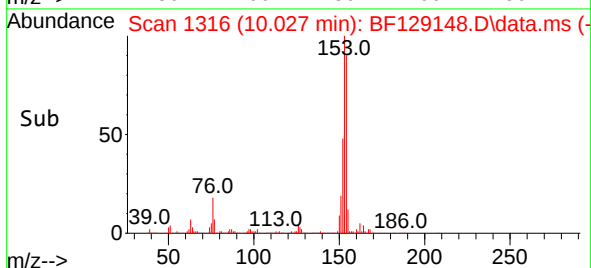
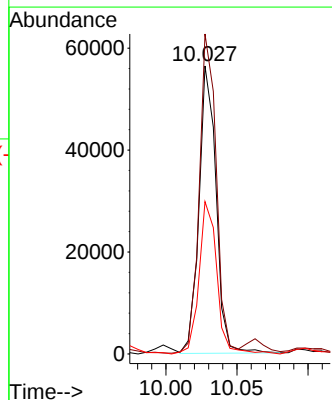
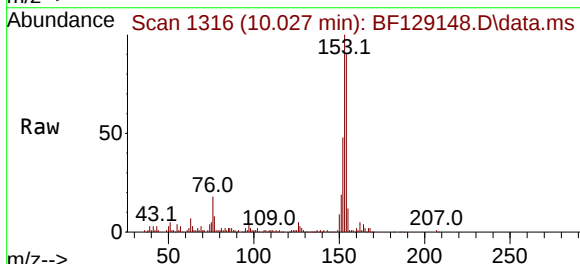
Tgt Ion:154 Resp: 47323

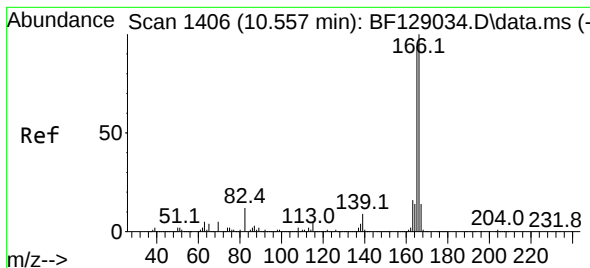
Ion Ratio Lower Upper

154 100

153 111.1 89.6 134.4

152 52.9 42.4 63.6





#58

Fluorene

Concen: 2.391 ng

RT: 10.545 min Scan# 1404

Delta R.T. -0.012 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

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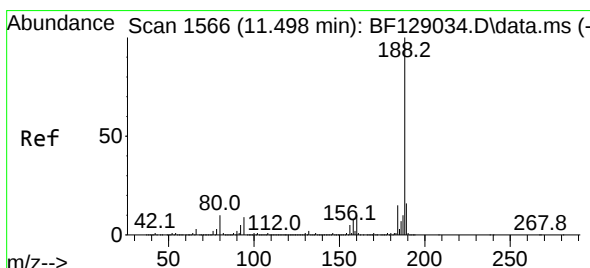
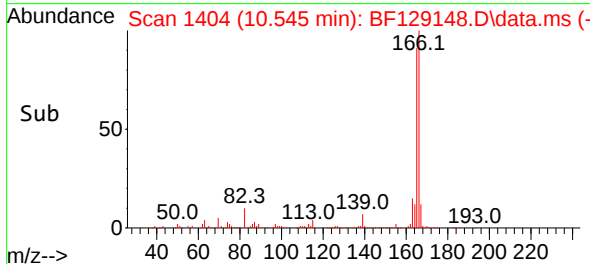
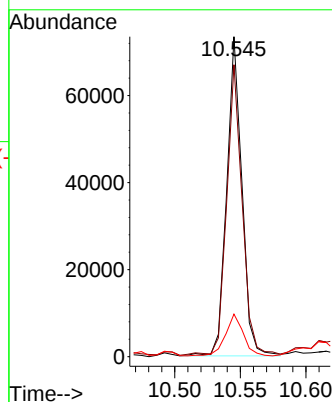
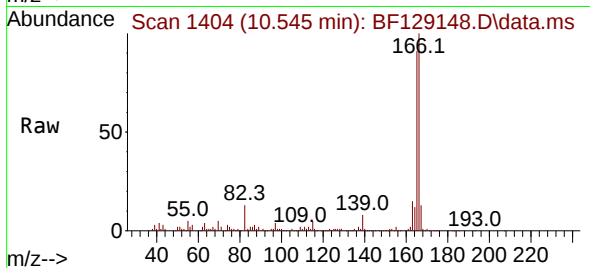
Tgt Ion:166 Resp: 58993

Ion Ratio Lower Upper

166 100

165 91.3 78.1 117.1

167 13.3 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1565

Delta R.T. -0.006 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

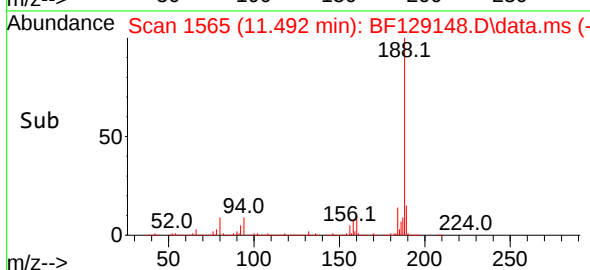
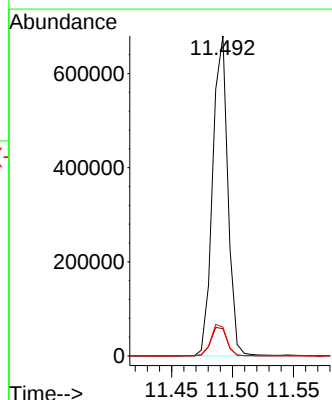
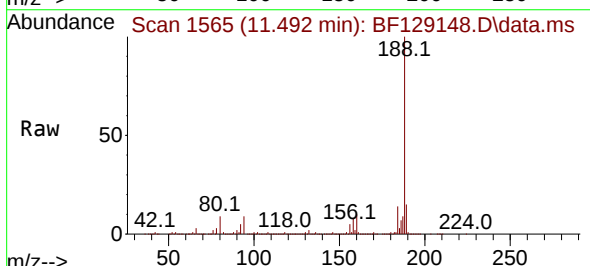
Tgt Ion:188 Resp: 592317

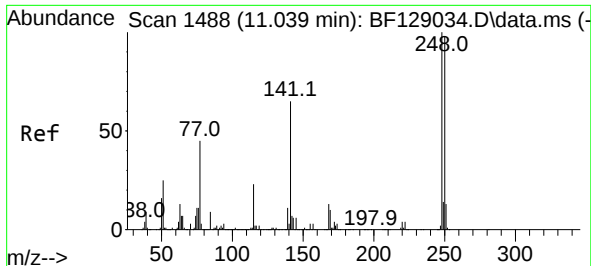
Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

80 9.0 7.6 11.4

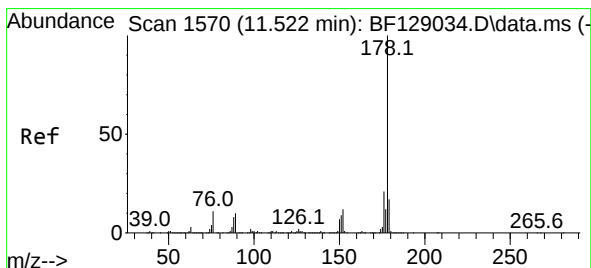
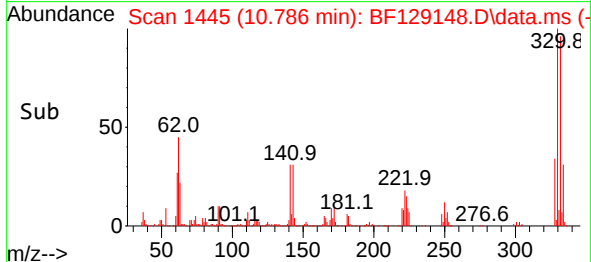
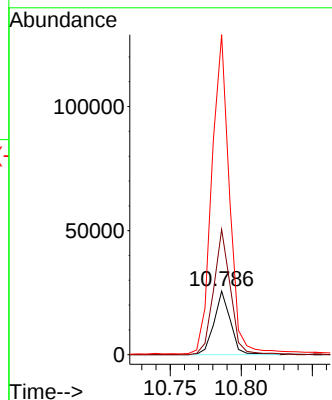
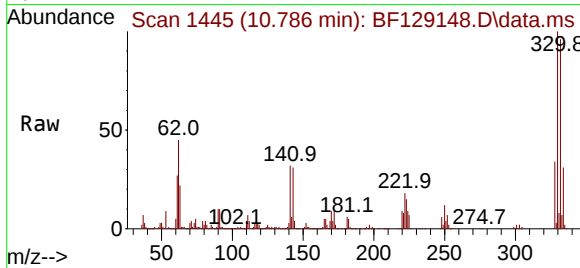




#67
4-Bromophenyl-phenylether
Concen: 3.243 ng
RT: 10.786 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

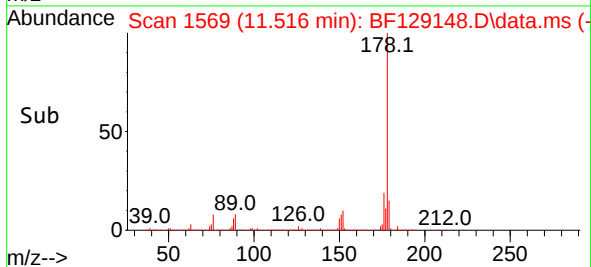
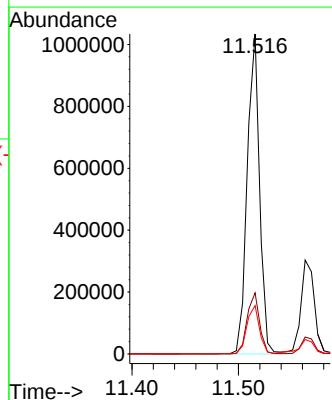
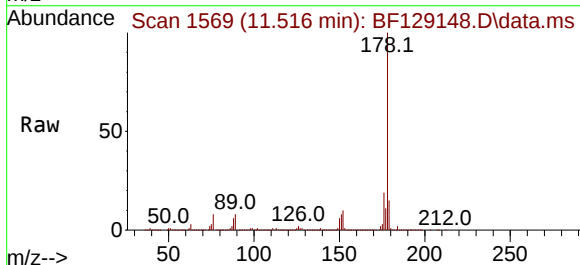
Instrument :
BNA_F
ClientSampleId :
SB-8B

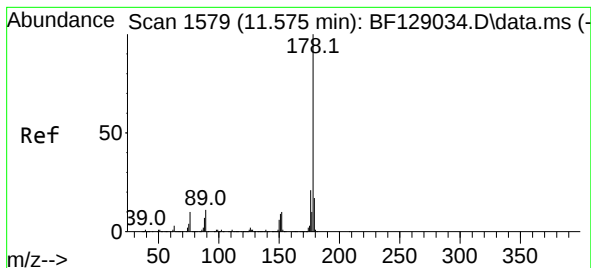
Tgt Ion:248 Resp: 20434
Ion Ratio Lower Upper
248 100
250 197.1 80.6 120.8#
141 503.3 58.9 88.3#



#71
Phenanthrene
Concen: 29.486 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

Tgt Ion:178 Resp: 834465
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.1 12.6 19.0





#72

Anthracene

Concen: 9.072 ng

RT: 11.563 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

Instrument :

BNA_F

ClientSampleId :

SB-8B

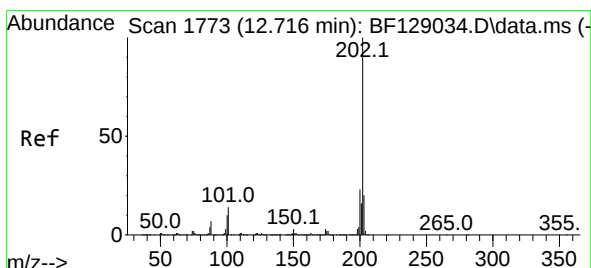
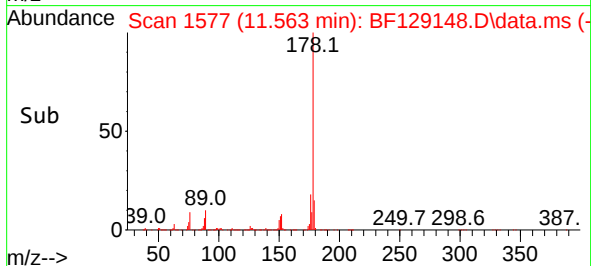
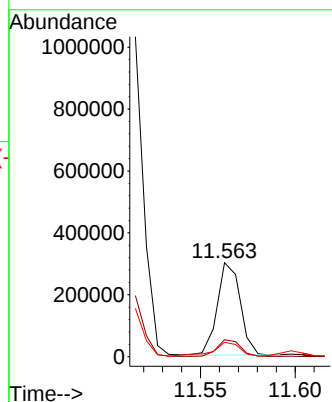
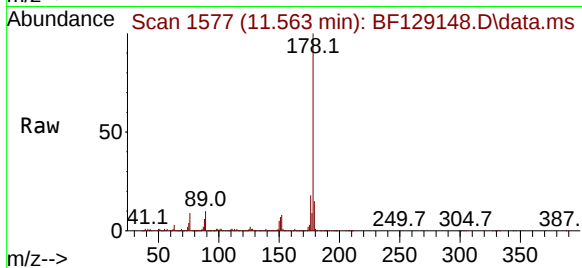
Tgt Ion:178 Resp: 253143

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 15.3 12.6 19.0



#75

Fluoranthene

Concen: 51.944 ng

RT: 12.710 min Scan# 1772

Delta R.T. -0.006 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

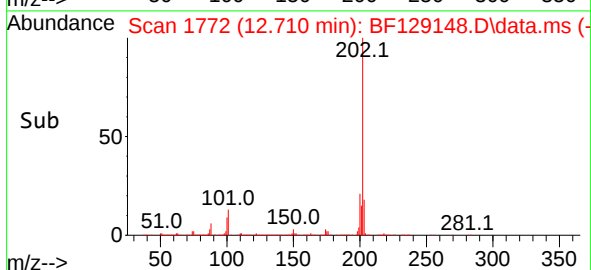
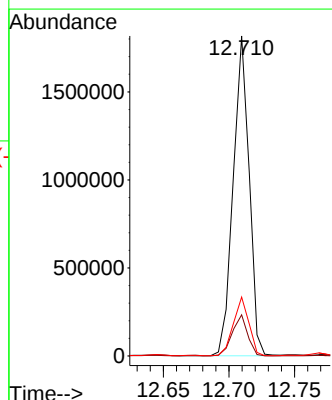
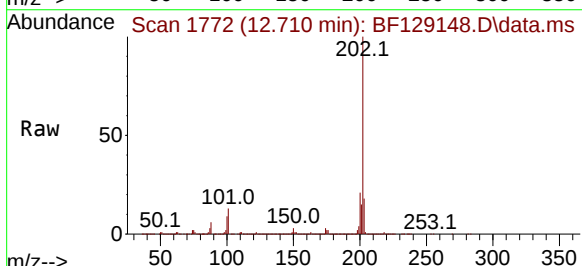
Tgt Ion:202 Resp: 1537405

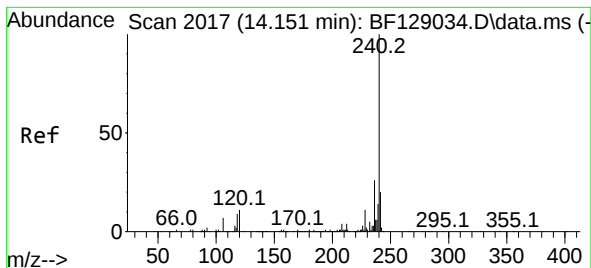
Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.4

203 18.4 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.139 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

Instrument :

BNA_F

ClientSampleId :

SB-8B

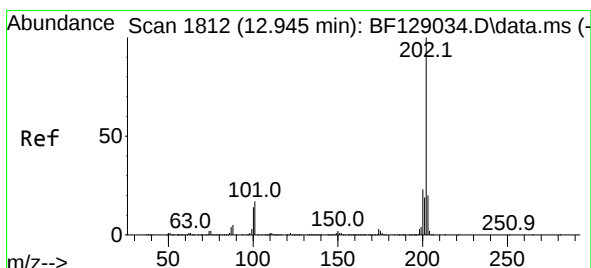
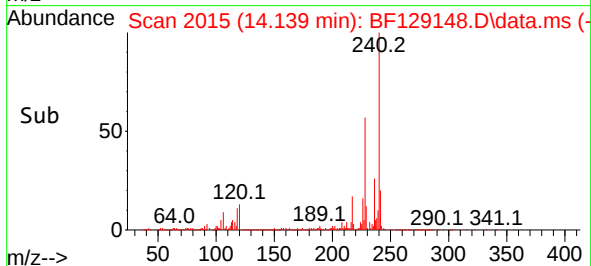
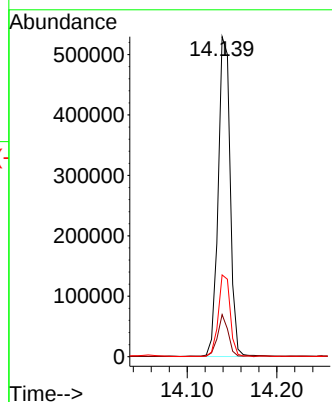
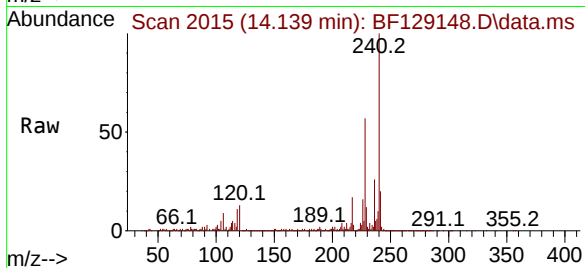
Tgt Ion:240 Resp: 490687

Ion Ratio Lower Upper

240 100

120 13.1 8.9 13.3

236 25.6 20.8 31.2



#78

Pyrene

Concen: 44.584 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF129148.D

Acq: 06 Jul 2022 17:56

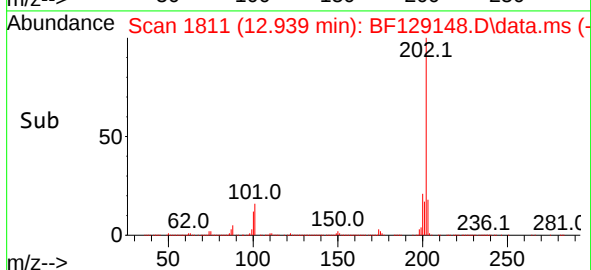
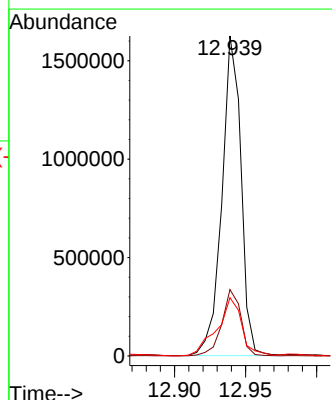
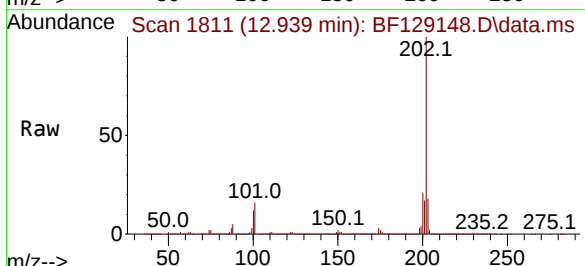
Tgt Ion:202 Resp: 1516405

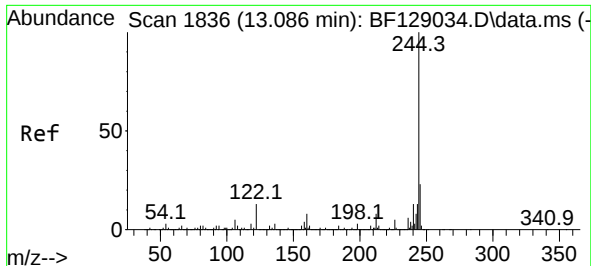
Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

203 18.2 14.6 21.8

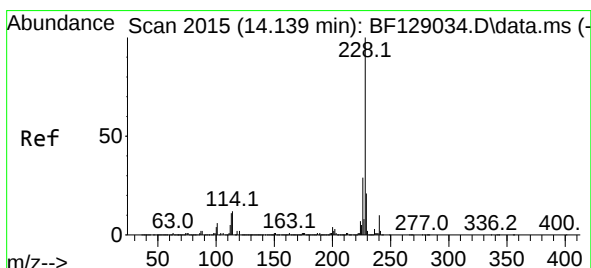
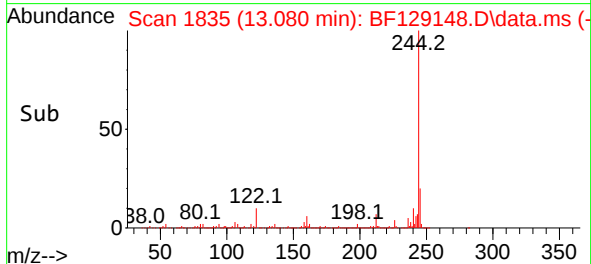
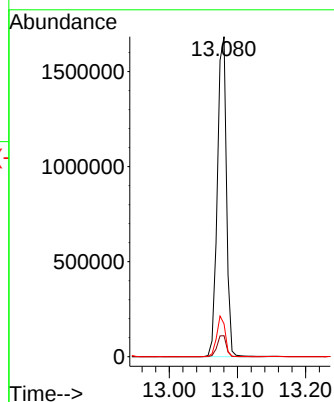
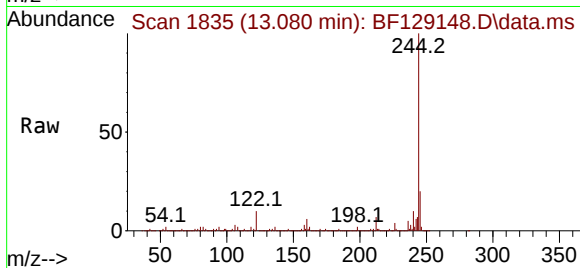




#79
 Terphenyl-d14
 Concen: 66.023 ng
 RT: 13.080 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129148.D
 Acq: 06 Jul 2022 17:56

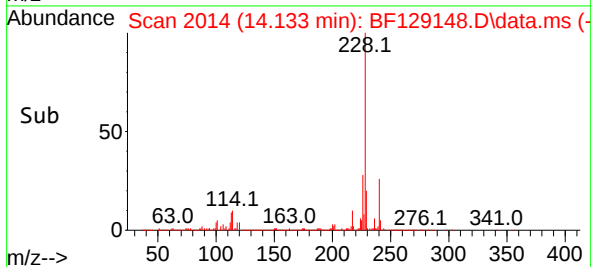
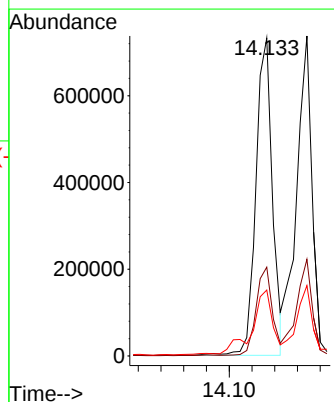
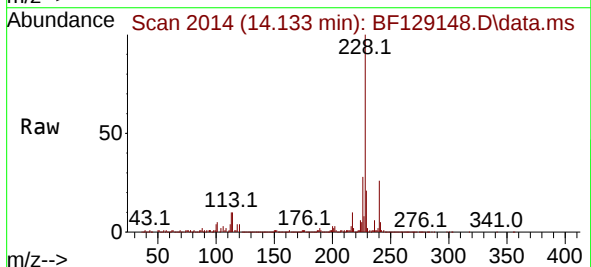
Instrument :
 BNA_F
 ClientSampleId :
 SB-8B

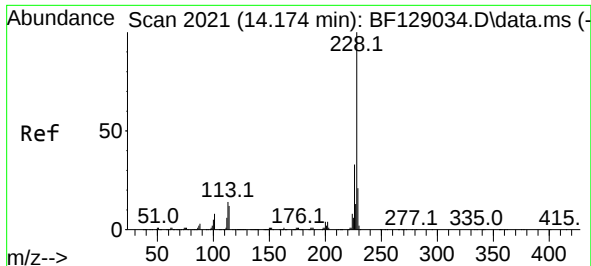
Tgt Ion:244 Resp: 1560060
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.1 9.1
 122 10.2 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 24.676 ng
 RT: 14.133 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF129148.D
 Acq: 06 Jul 2022 17:56

Tgt Ion:228 Resp: 739299
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.1 33.1
 229 20.7 15.8 23.8

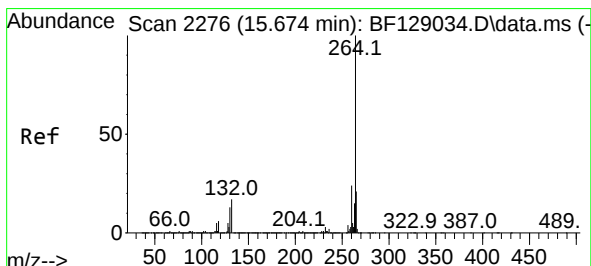
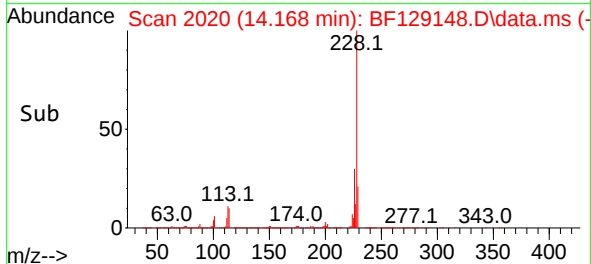
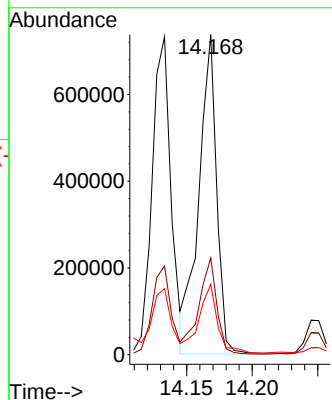
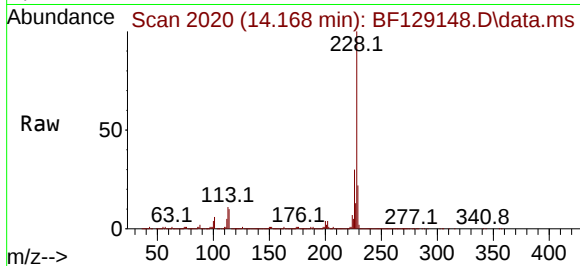




#83
Chrysene
Concen: 25.250 ng
RT: 14.168 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

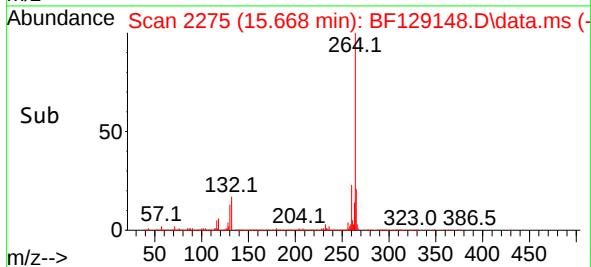
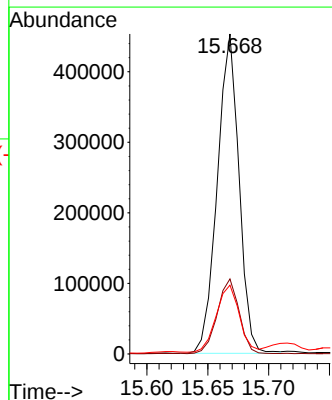
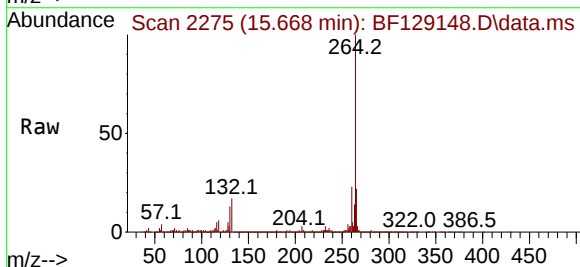
Instrument :
BNA_F
ClientSampleId :
SB-8B

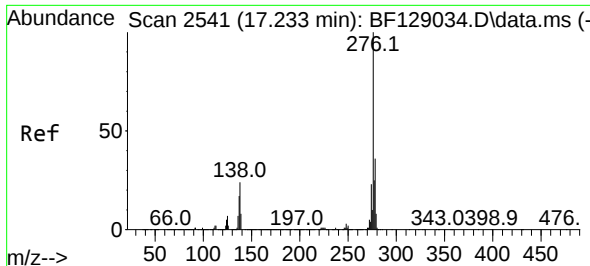
Tgt Ion:228 Resp: 702302
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.0 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

Tgt Ion:264 Resp: 561833
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 21.5 17.2 25.8

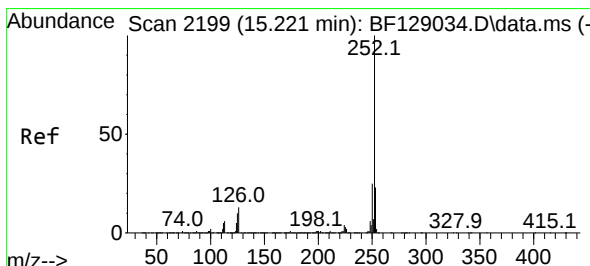
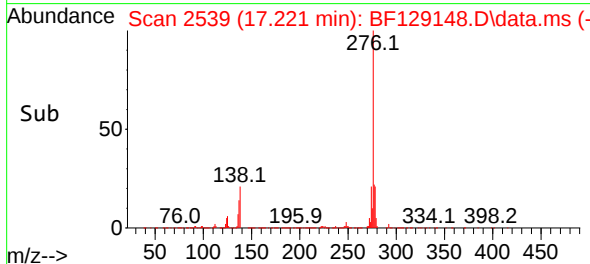
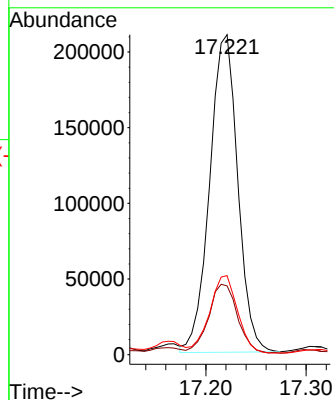
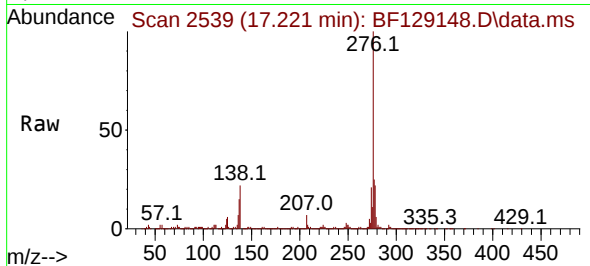




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.866 ng
 RT: 17.221 min Scan# 2198
 Delta R.T. -0.012 min
 Lab File: BF129148.D
 Acq: 06 Jul 2022 17:56

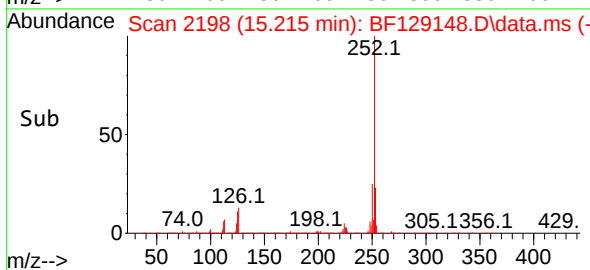
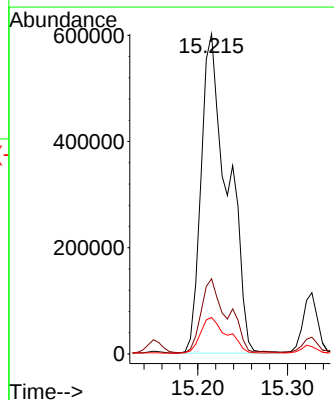
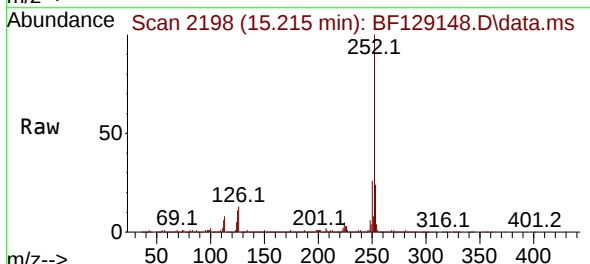
Instrument :
 BNA_F
 ClientSampleId :
 SB-8B

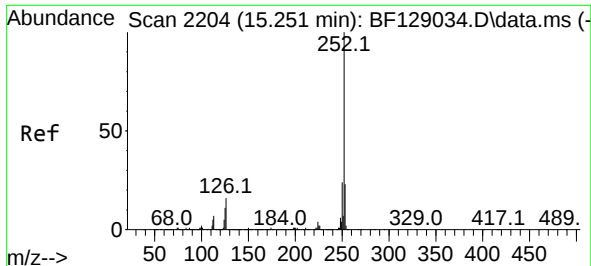
Tgt Ion:276 Resp: 408869
 Ion Ratio Lower Upper
 276 100
 138 22.5 21.1 31.7
 277 24.3 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 36.642 ng
 RT: 15.215 min Scan# 2198
 Delta R.T. -0.006 min
 Lab File: BF129148.D
 Acq: 06 Jul 2022 17:56

Tgt Ion:252 Resp: 1238082
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.7 26.5
 125 11.4 8.0 12.0

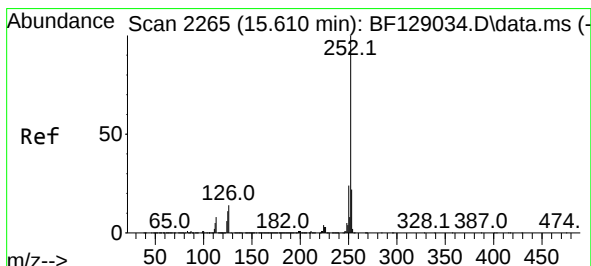
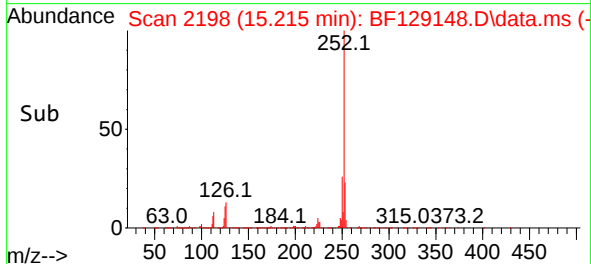
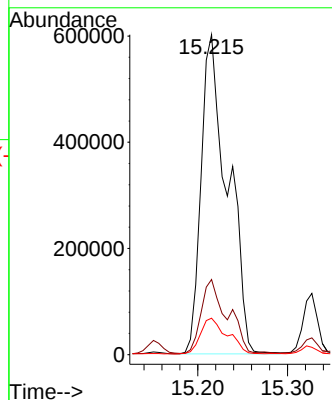
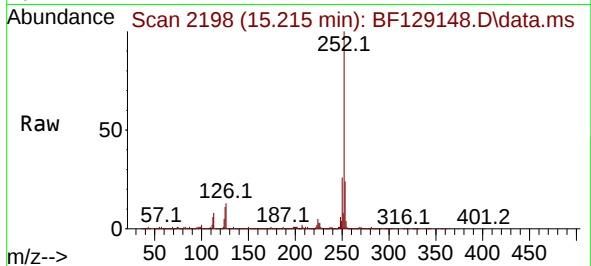




#89
Benzo(k)fluoranthene
Concen: 37.778 ng
RT: 15.215 min Scan# 2198
Delta R.T. -0.036 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

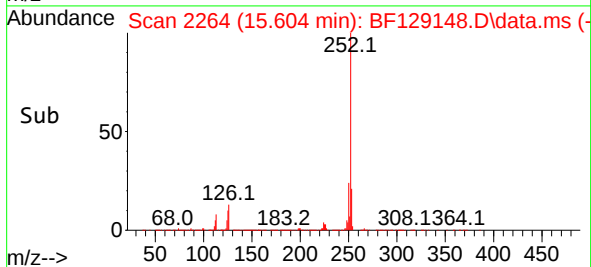
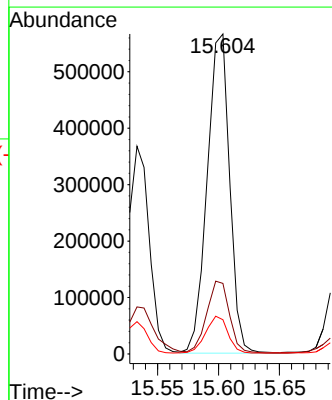
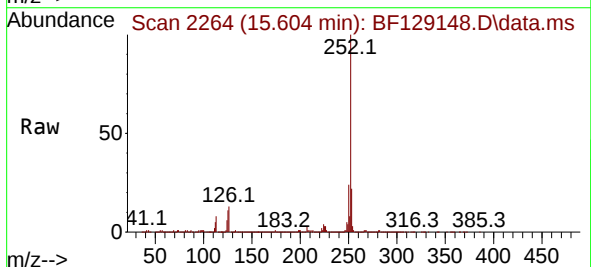
Instrument :
BNA_F
ClientSampleId :
SB-8B

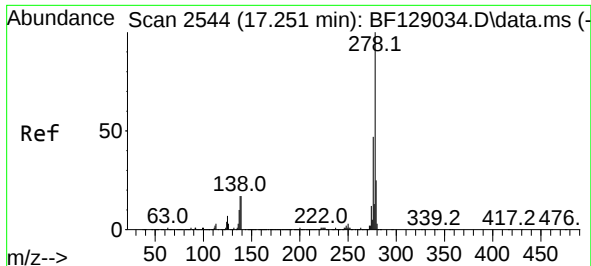
Tgt Ion:252 Resp: 1238082
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 11.4 8.3 12.5



#90
Benzo(a)pyrene
Concen: 26.313 ng
RT: 15.604 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

Tgt Ion:252 Resp: 724788
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 10.7 8.8 13.2

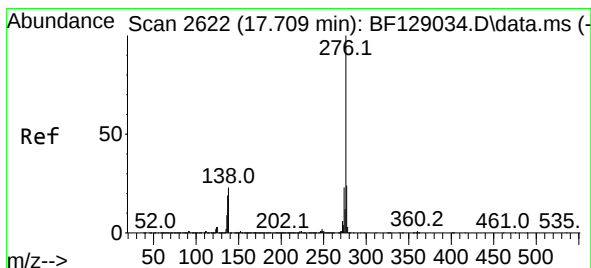
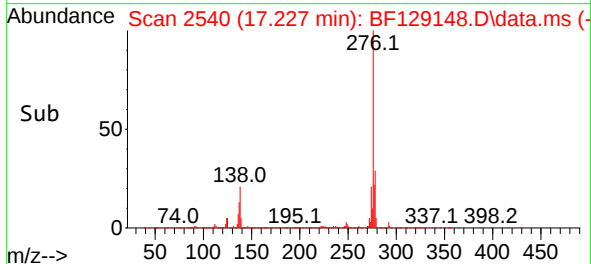
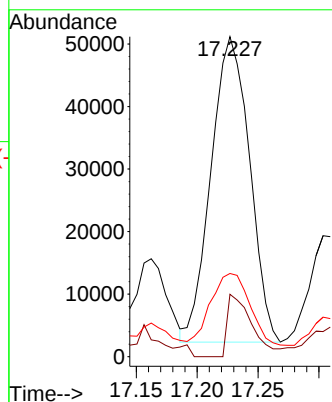
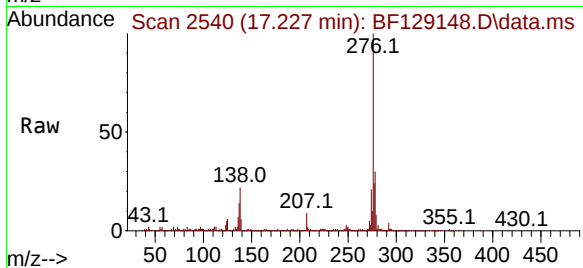




#91
Dibenzo(a,h)anthracene
Concen: 3.829 ng
RT: 17.227 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

Instrument :
BNA_F
ClientSampleId :
SB-8B

Tgt Ion:278 Resp: 107549
Ion Ratio Lower Upper
278 100
139 19.5 12.8 19.2#
279 26.0 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 12.500 ng
RT: 17.692 min Scan# 2619
Delta R.T. -0.018 min
Lab File: BF129148.D
Acq: 06 Jul 2022 17:56

Tgt Ion:276 Resp: 352285
Ion Ratio Lower Upper
276 100
277 23.0 19.1 28.7
138 23.5 18.0 27.0

