

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
 Data File : BF129429.D
 Acq On : 29 Jul 2022 02:21
 Operator : CG\JU
 Sample : N3925-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-072722-B

Quant Time: Jul 29 03:34:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 17:24:17 2022
 Response via : Initial Calibration

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

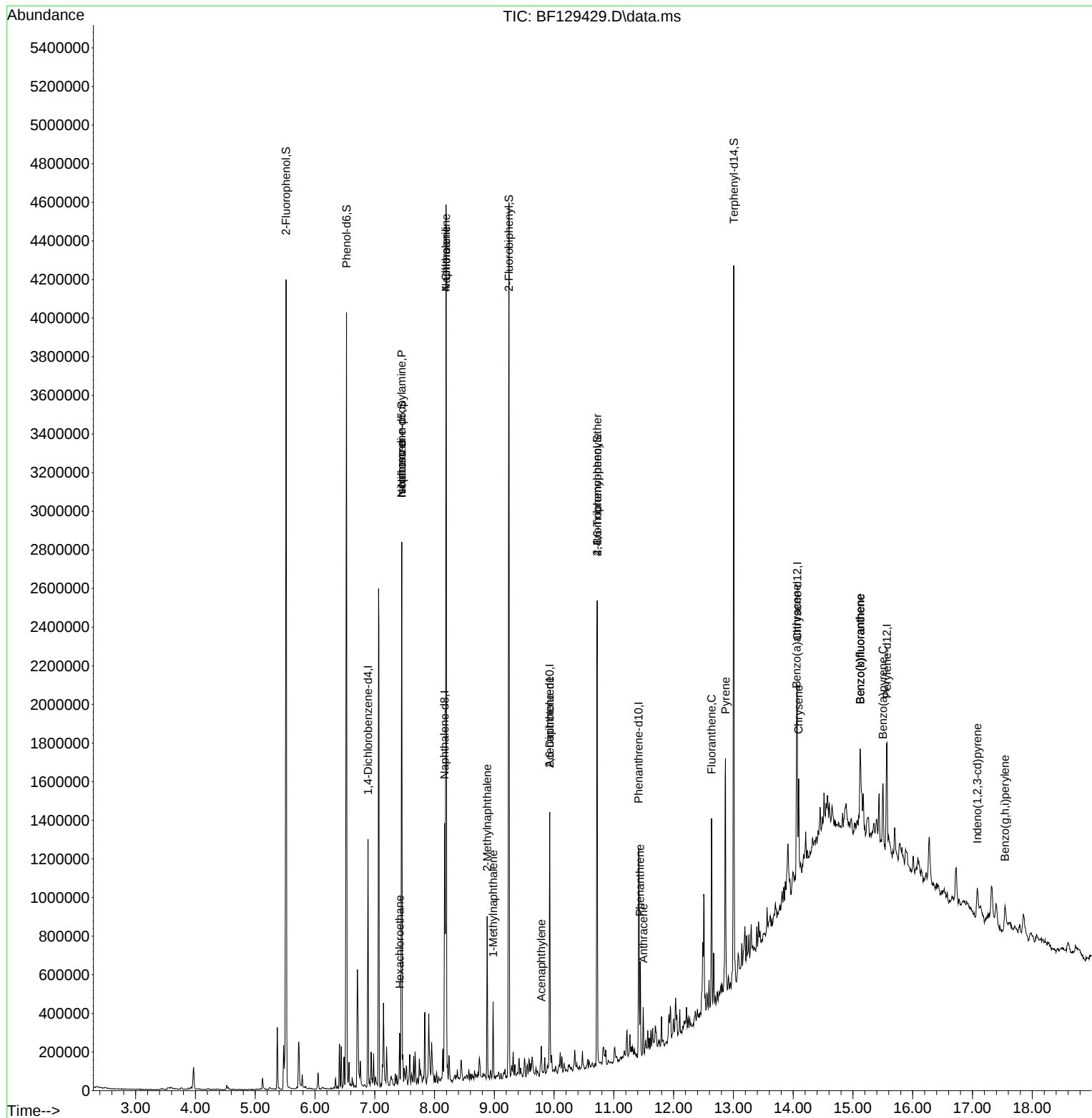
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	162197	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	554945	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	245686	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	400603	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	303190	20.000	ng	0.00
86) Perylene-d12	15.568	264	230718	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1128127	113.302	ng	0.02
7) Phenol-d6	6.528	99	1337893	106.902	ng	0.01
23) Nitrobenzene-d5	7.451	82	806345	79.318	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	269189	113.962	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1308596	82.395	ng	0.00
79) Terphenyl-d14	13.010	244	1370446	85.275	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.416	117	21690	4.855	ng	# 1
19) n-Nitroso-di-n-propyla...	7.451	70	108985	14.384	ng	# 75
25) Isophorone	7.451	82	805566	44.207	ng	# 65
31) Naphthalene	8.192	128	1880355	66.692	ng	100
33) 4-Chloroaniline	8.192	127	243312	21.020	ng	# 30
37) 2-Methylnaphthalene	8.880	142	192203	10.490	ng	99
38) 1-Methylnaphthalene	8.980	142	88039	4.977	ng	98
49) Acenaphthylene	9.786	152	48931	2.222	ng	99
51) 2,6-Dinitrotoluene	9.927	165	34766	9.158	ng	# 27
67) 4-Bromophenyl-phenylether	10.722	248	16748	3.818	ng	# 1
71) Phenanthrene	11.439	178	180356	8.248	ng	98
72) Anthracene	11.492	178	82562	3.842	ng	98
75) Fluoranthene	12.633	202	367267	16.576	ng	98
78) Pyrene	12.868	202	455658	17.972	ng	98
81) Benzo(a)anthracene	14.057	228	215432	10.402	ng	96
83) Chrysene	14.092	228	189168	9.691	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	96415	6.206	ng	96
88) Benzo(b)fluoranthene	15.121	252	270349	17.665	ng	# 87
89) Benzo(k)fluoranthene	15.121	252	270349	18.026	ng	# 88
90) Benzo(a)pyrene	15.504	252	140680	11.324	ng	# 89
92) Benzo(g,h,i)perylene	17.545	276	98201	7.600	ng	94

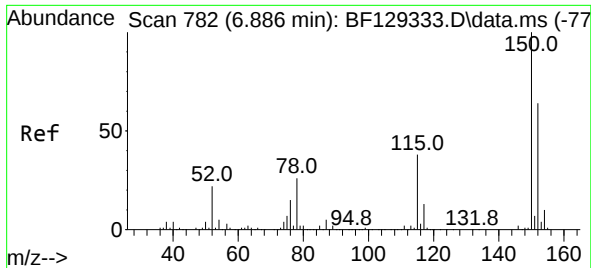
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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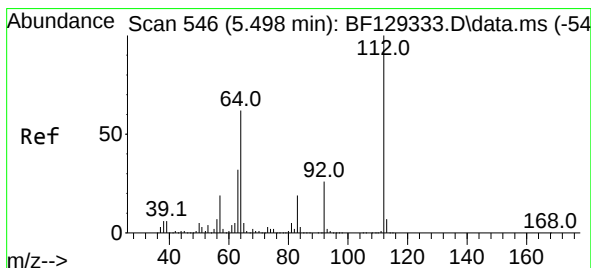
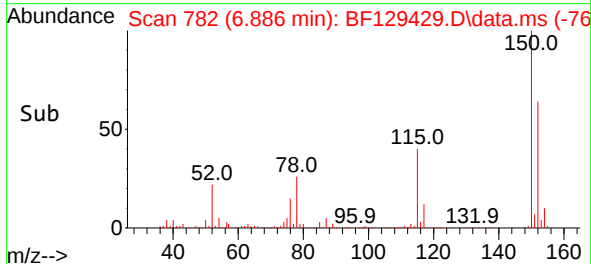
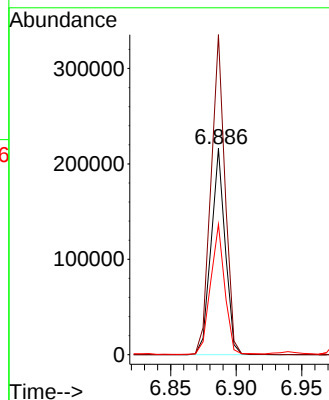
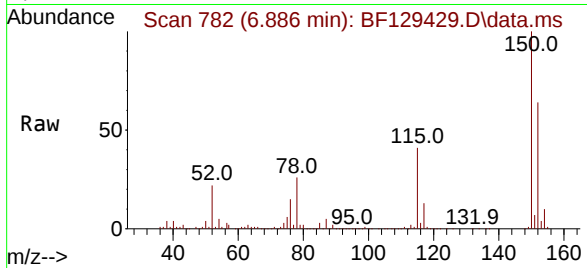




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

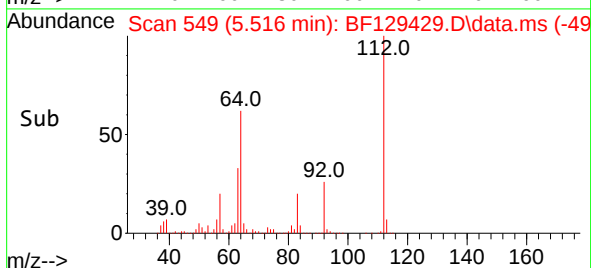
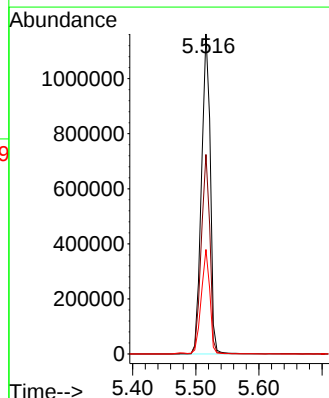
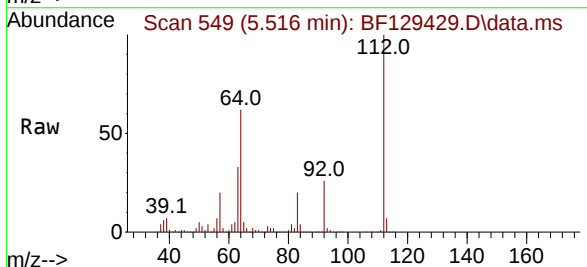
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B

Tgt Ion:152 Resp: 162197
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 63.3 49.9 74.9



#5
2-Fluorophenol
Concen: 113.302 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.018 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion:112 Resp: 1128127
Ion Ratio Lower Upper
112 100
64 62.3 53.3 79.9
63 32.6 28.0 42.0

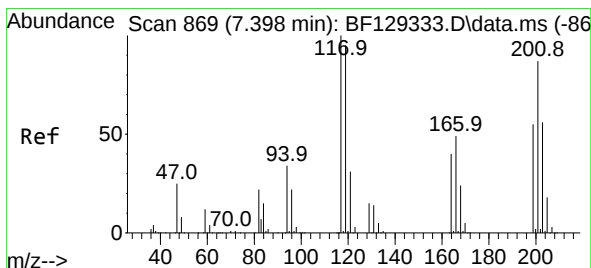
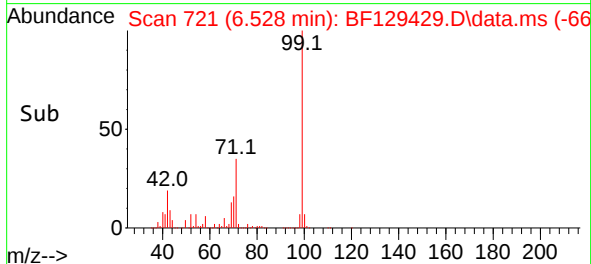
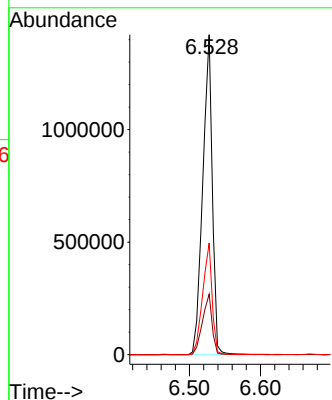
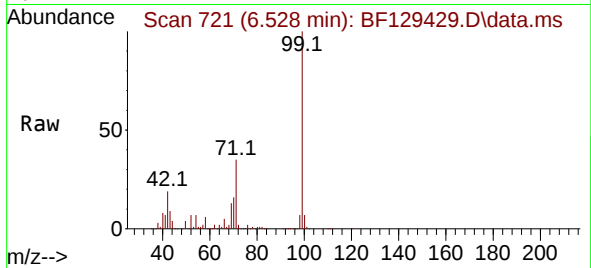




#7
Phenol-d6
Concen: 106.902 ng
RT: 6.528 min Scan# 719
Delta R.T. 0.012 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

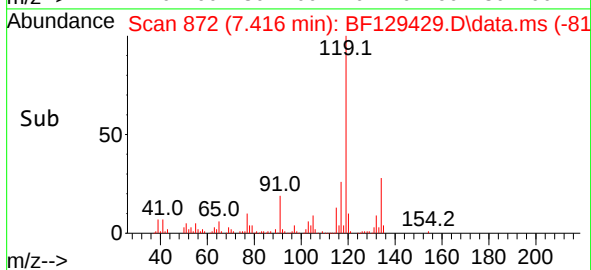
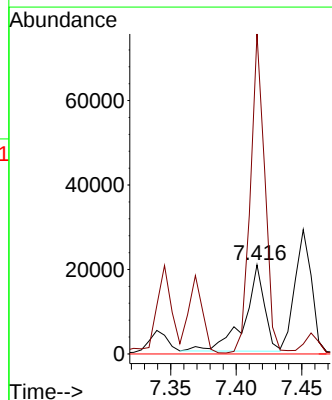
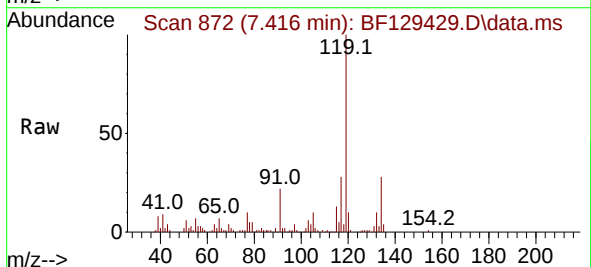
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ClientSampleId :
JC-03-072722-B

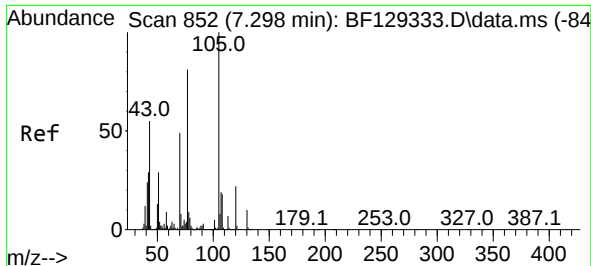
Tgt Ion: 99 Resp: 1337893
Ion Ratio Lower Upper
99 100
42 18.9 17.3 25.9
71 34.9 28.9 43.3



#18
Hexachloroethane
Concen: 4.855 ng
RT: 7.416 min Scan# 872
Delta R.T. 0.018 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion: 117 Resp: 21690
Ion Ratio Lower Upper
117 100
119 358.9 77.4 116.2#
201 0.0 84.6 127.0#

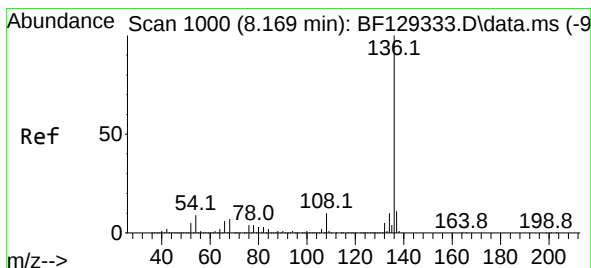
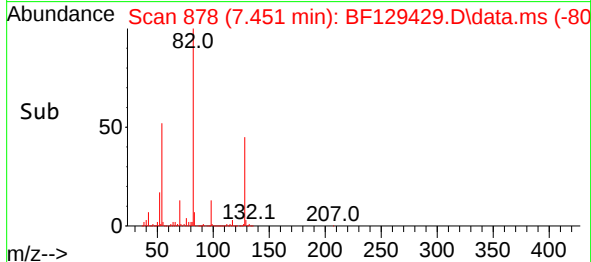
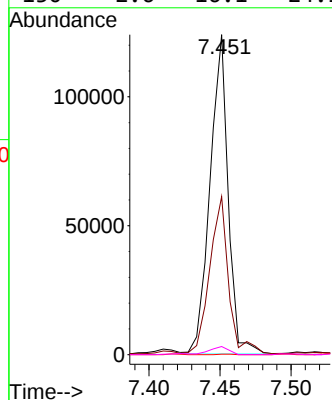
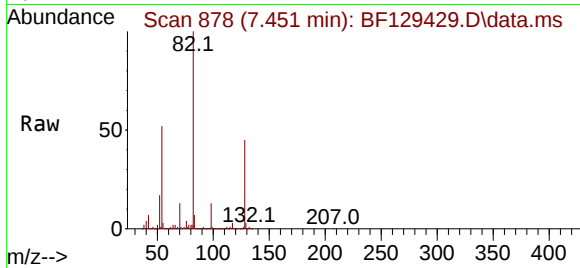




#19
n-Nitroso-di-n-propylamine
Concen: 14.384 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.153 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

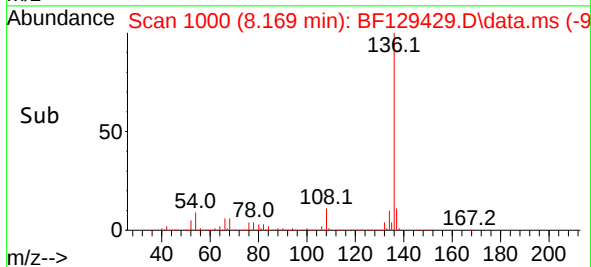
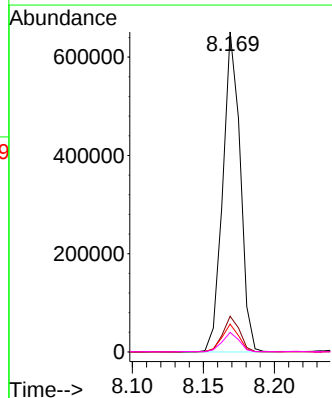
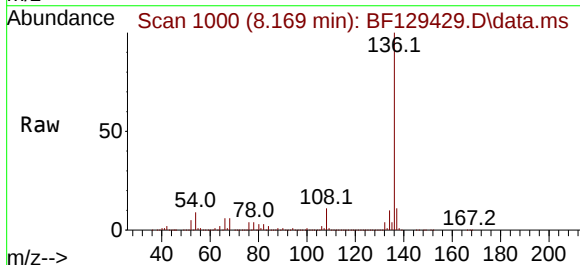
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B

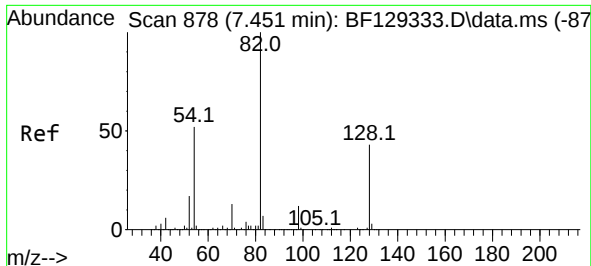
Tgt Ion: 70 Resp: 108985
Ion Ratio Lower Upper
70 100
42 49.4 52.3 78.5#
101 0.1 7.5 11.3#
130 2.6 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion: 136 Resp: 554945
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.7 7.5 11.3
68 6.1 4.7 7.1





#23

Nitrobenzene-d5

Concen: 79.318 ng

RT: 7.451 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

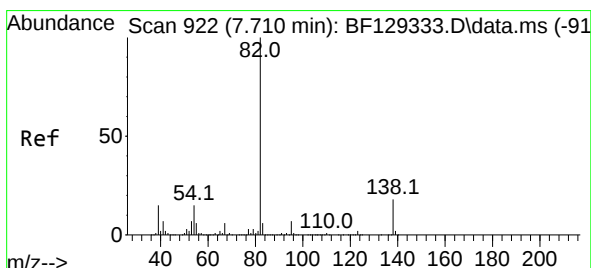
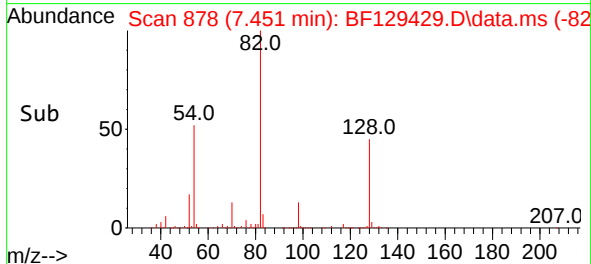
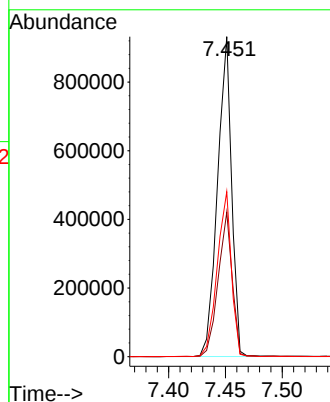
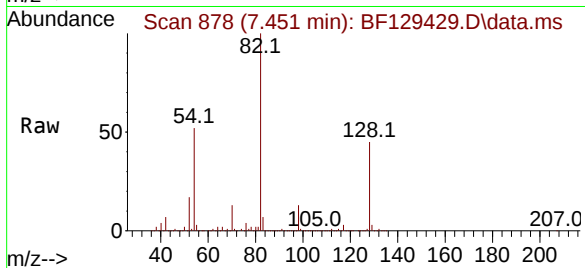
Tgt Ion: 82 Resp: 806345

Ion Ratio Lower Upper

82 100

128 45.2 34.0 51.0

54 51.6 46.9 70.3



#25

Isophorone

Concen: 44.207 ng

RT: 7.451 min Scan# 878

Delta R.T. -0.259 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

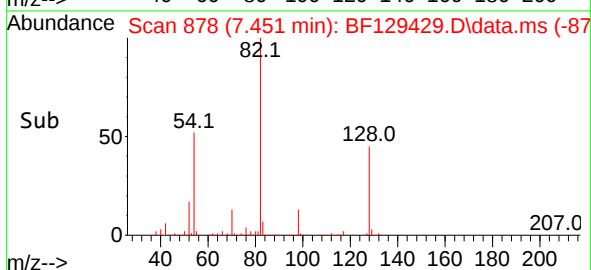
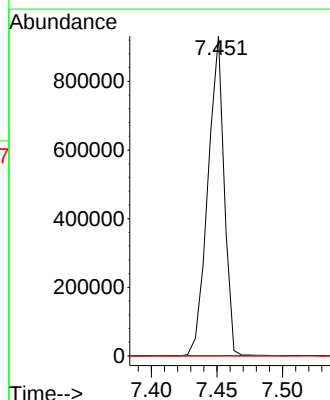
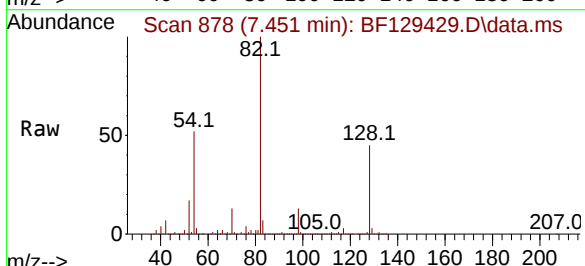
Tgt Ion: 82 Resp: 805566

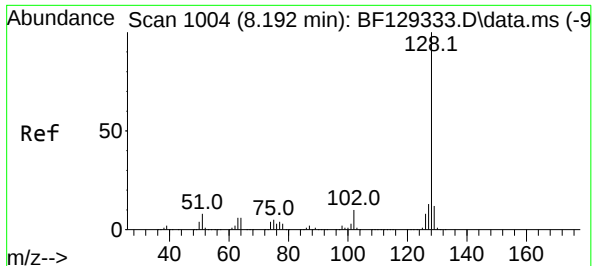
Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 14.2 21.2#

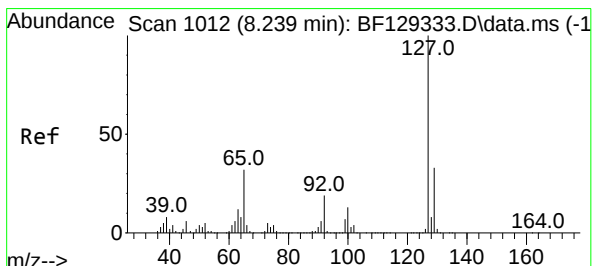
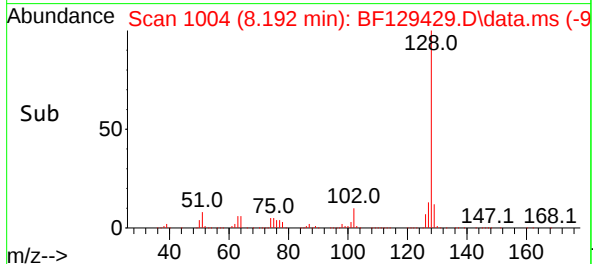
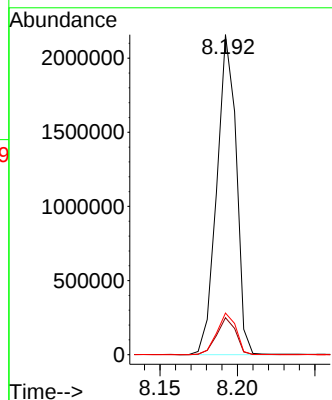
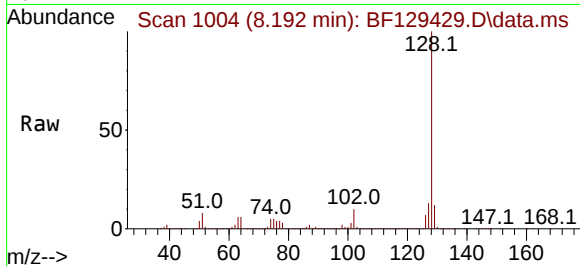




#31
Naphthalene
Concen: 66.692 ng
RT: 8.192 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

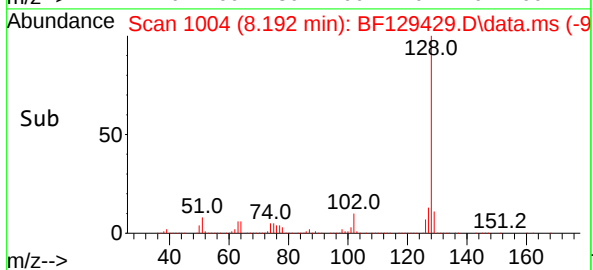
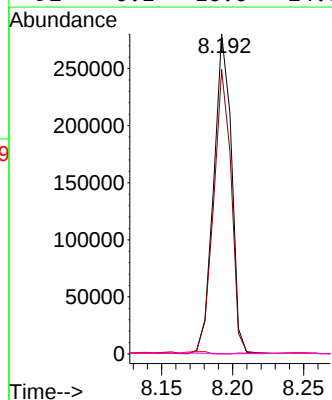
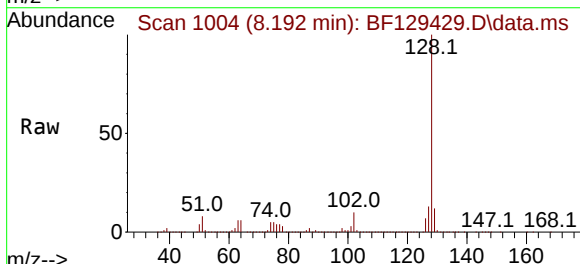
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JC-03-072722-B

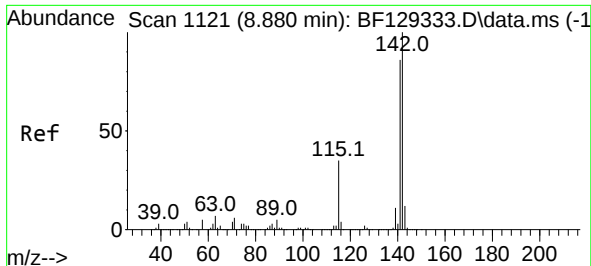
Tgt Ion:128 Resp: 1880355
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.0 10.5 15.7



#33
4-Chloroaniline
Concen: 21.020 ng
RT: 8.192 min Scan# 1004
Delta R.T. -0.047 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion:127 Resp: 243312
Ion Ratio Lower Upper
127 100
129 88.9 26.4 39.6#
65 0.0 26.4 39.6#
92 0.1 16.0 24.0#





#37

2-Methylnaphthalene

Concen: 10.490 ng

RT: 8.880 min Scan# 1121

Delta R.T. -0.000 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

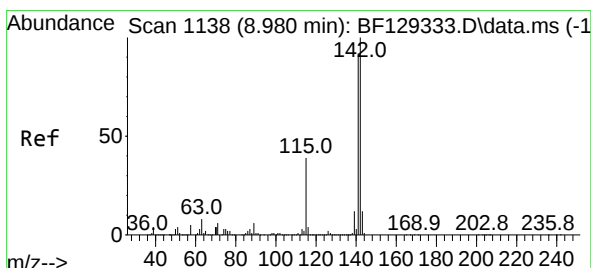
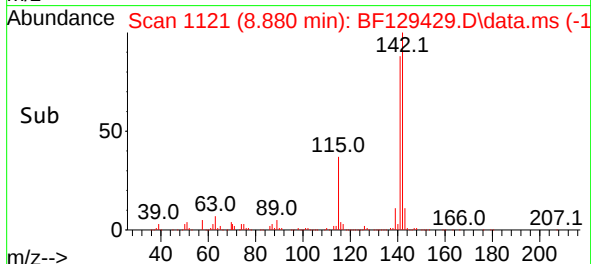
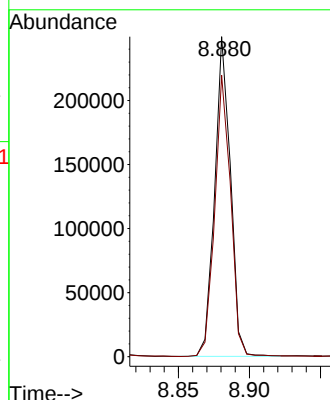
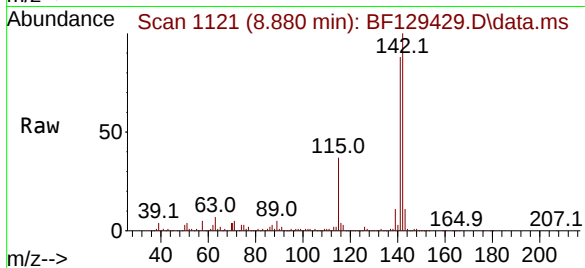
JC-03-072722-B

Tgt Ion:142 Resp: 192203

Ion Ratio Lower Upper

142 100

141 87.9 71.0 106.4



#38

1-Methylnaphthalene

Concen: 4.977 ng

RT: 8.980 min Scan# 1138

Delta R.T. -0.000 min

Lab File: BF129429.D

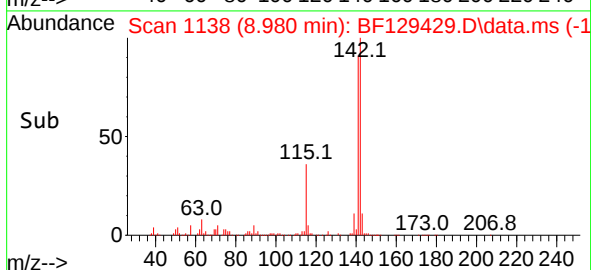
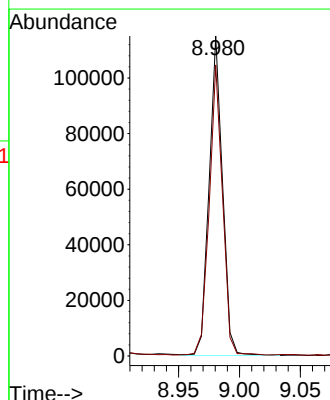
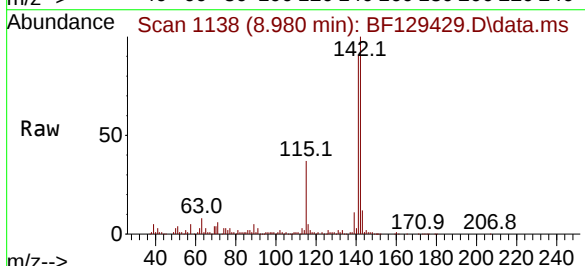
Acq: 29 Jul 2022 02:21

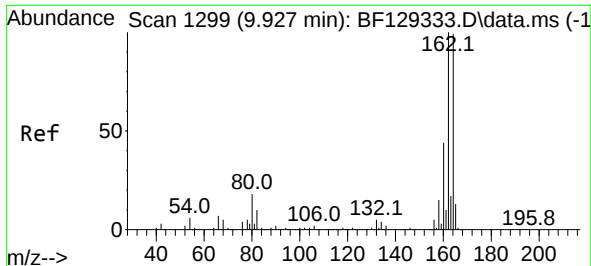
Tgt Ion:142 Resp: 88039

Ion Ratio Lower Upper

142 100

141 90.9 74.2 111.4

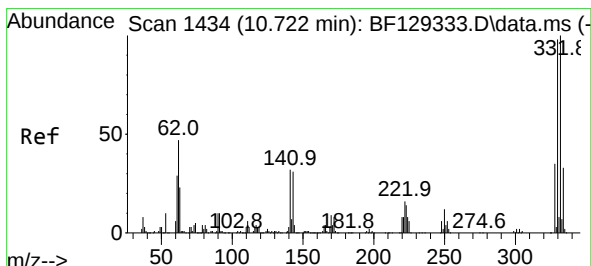
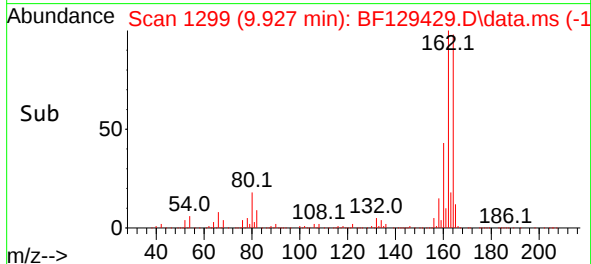
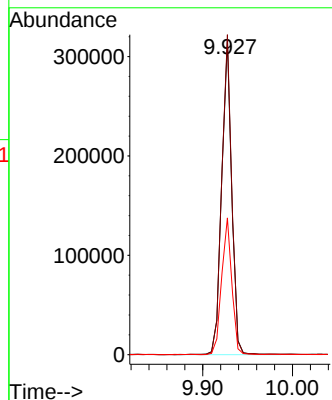
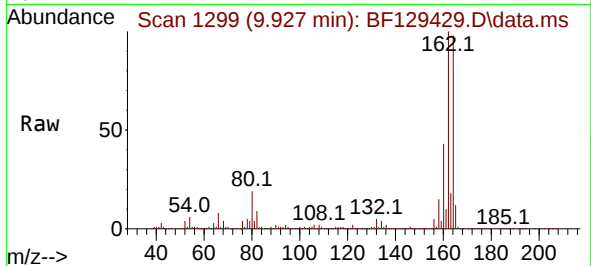




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1299
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

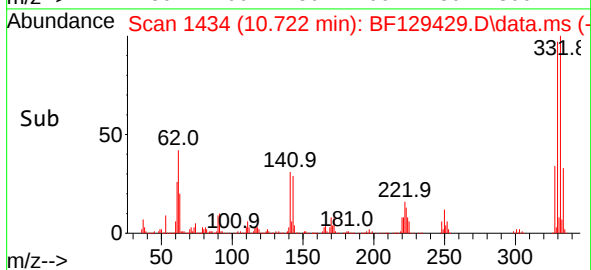
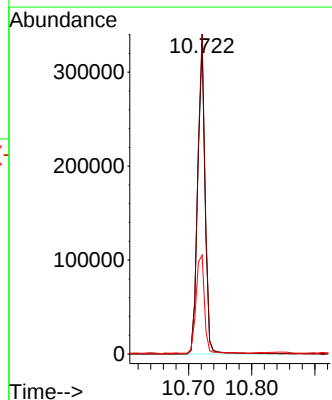
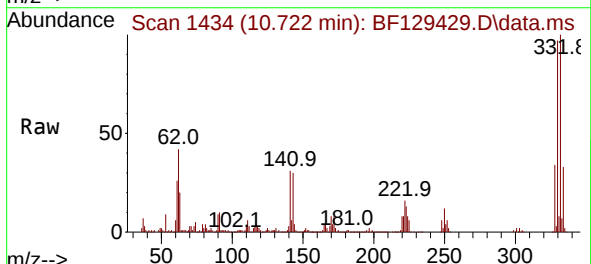
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B

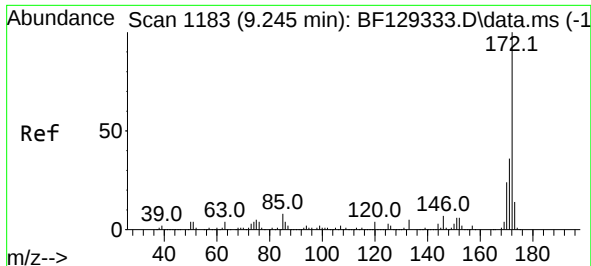
Tgt Ion:164 Resp: 245686
Ion Ratio Lower Upper
164 100
162 101.9 79.5 119.3
160 43.6 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 113.962 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion:330 Resp: 269189
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 35.9 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 82.395 ng

RT: 9.245 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF129429.D

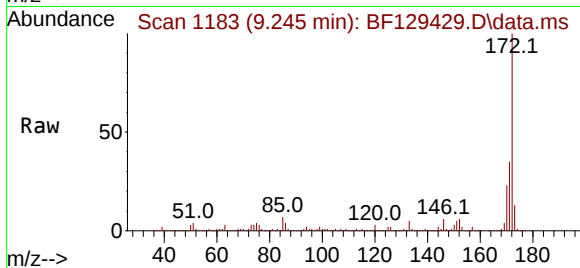
Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B



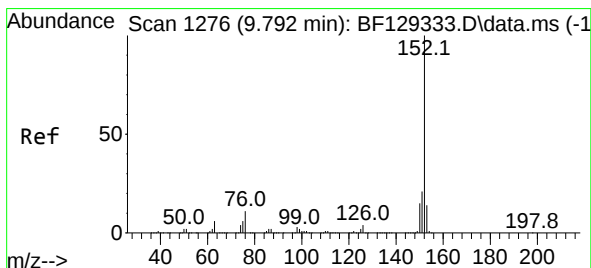
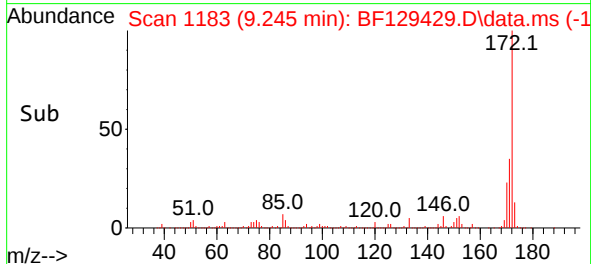
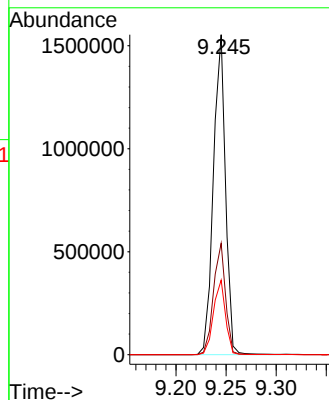
Tgt Ion:172 Resp: 1308596

Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 23.3 19.8 29.8



#49

Acenaphthylene

Concen: 2.222 ng

RT: 9.786 min Scan# 1275

Delta R.T. -0.006 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

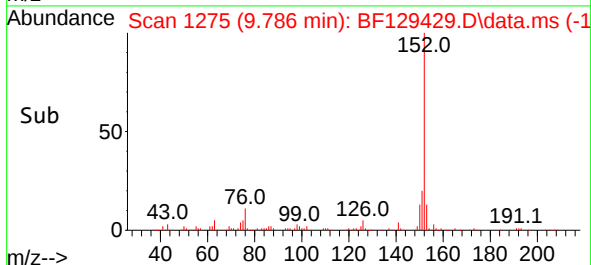
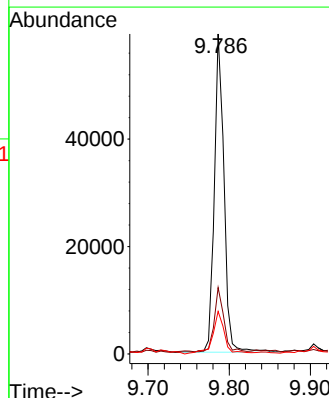
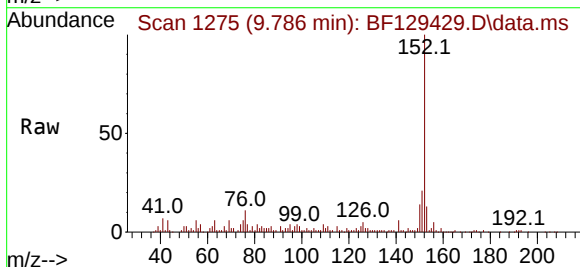
Tgt Ion:152 Resp: 48931

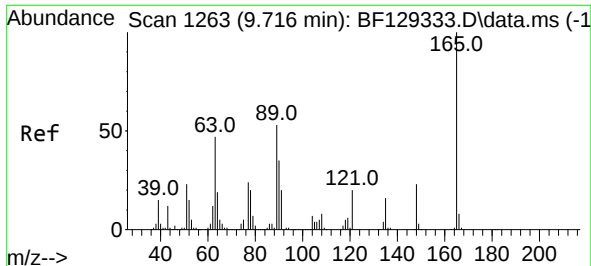
Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.4

153 13.3 10.7 16.1





#51

2,6-Dinitrotoluene

Concen: 9.158 ng

RT: 9.927 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

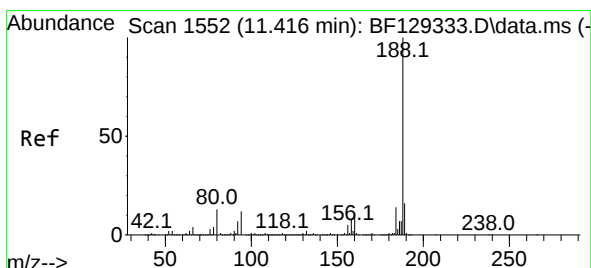
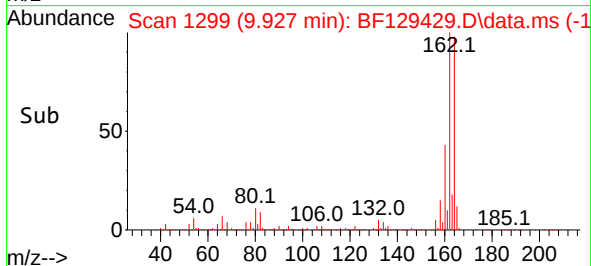
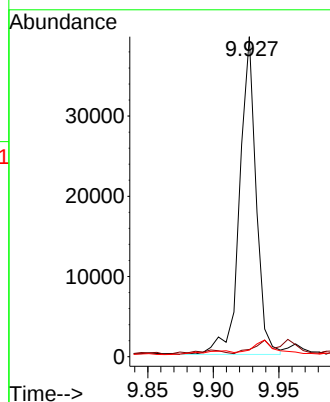
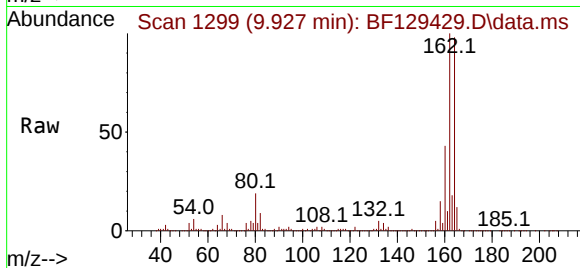
Tgt Ion:165 Resp: 34766

Ion Ratio Lower Upper

165 100

63 2.3 44.9 67.3#

89 2.1 43.6 65.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1552

Delta R.T. -0.000 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

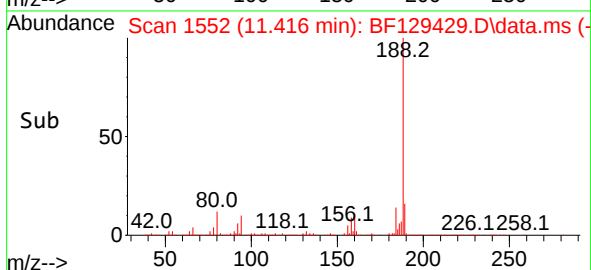
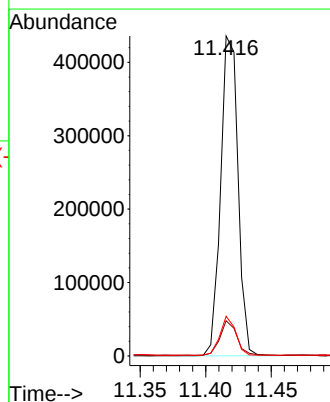
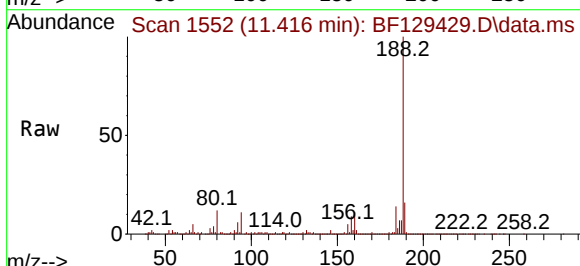
Tgt Ion:188 Resp: 400603

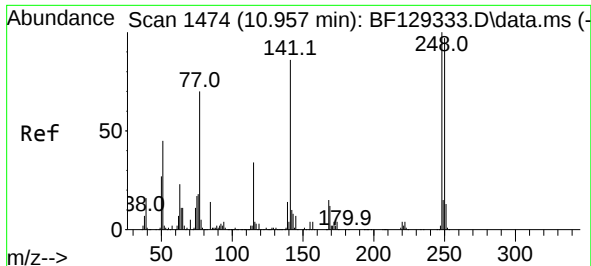
Ion Ratio Lower Upper

188 100

94 11.0 7.0 10.6#

80 12.4 7.6 11.4#





#67

4-Bromophenyl-phenylether

Concen: 3.818 ng

RT: 10.722 min Scan# 1474

Delta R.T. -0.235 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

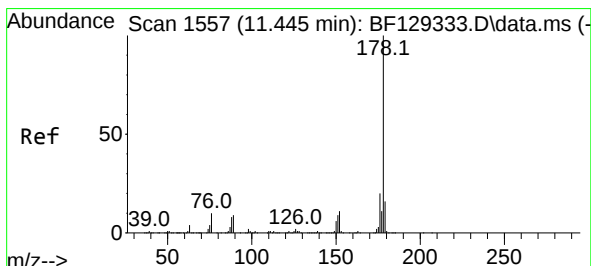
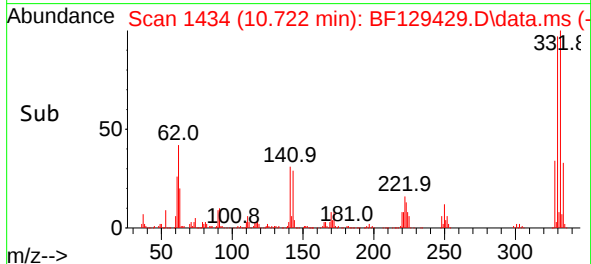
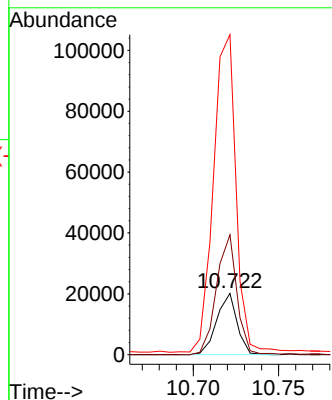
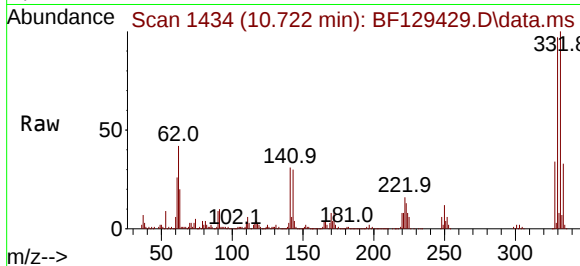
Tgt Ion:248 Resp: 16748

Ion Ratio Lower Upper

248 100

250 195.2 80.6 120.8#

141 521.5 58.9 88.3#



#71

Phenanthrene

Concen: 8.248 ng

RT: 11.439 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

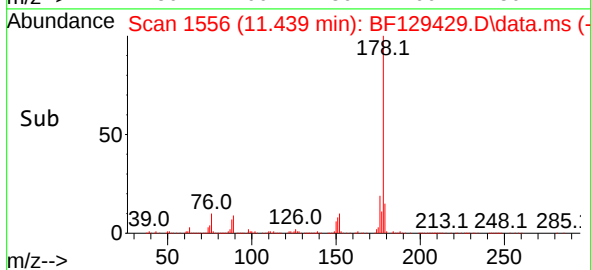
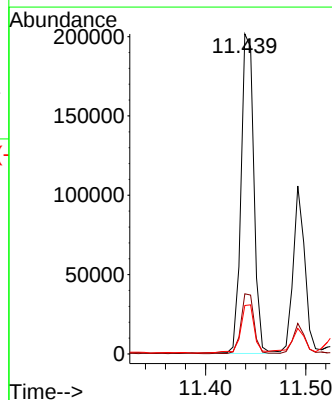
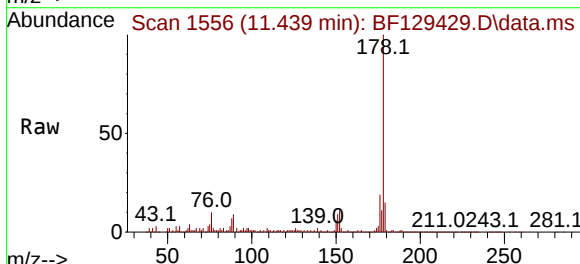
Tgt Ion:178 Resp: 180356

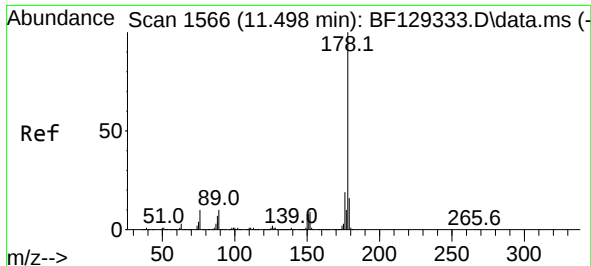
Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

179 15.2 12.6 19.0

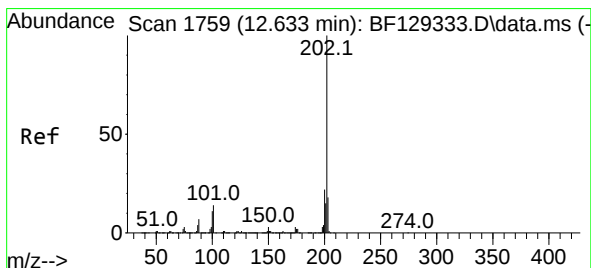
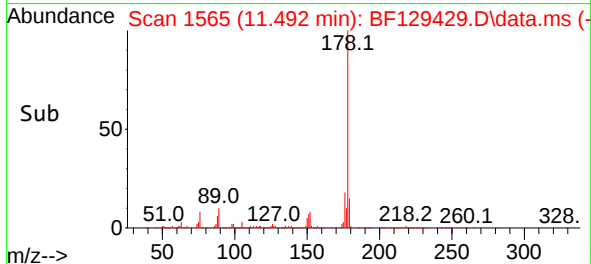
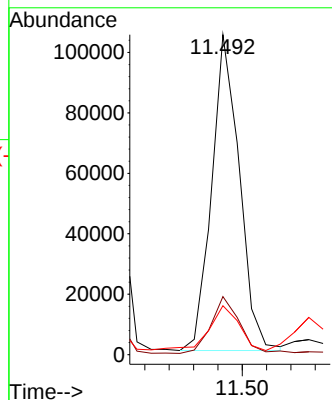
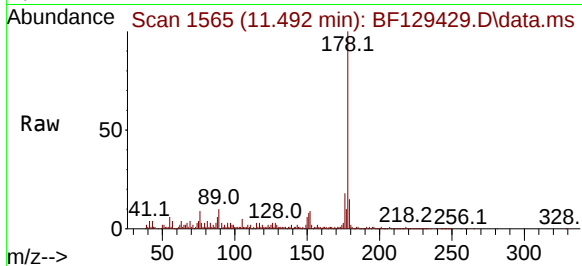




#72
 Anthracene
 Concen: 3.842 ng
 RT: 11.492 min Scan# 1565
 Delta R.T. -0.006 min
 Lab File: BF129429.D
 Acq: 29 Jul 2022 02:21

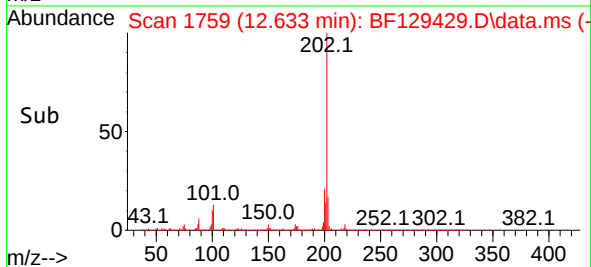
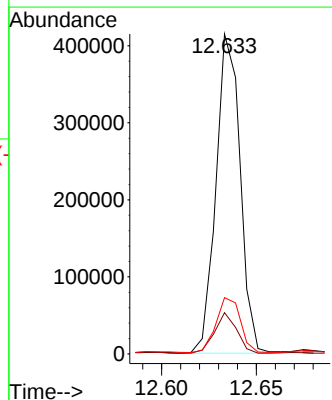
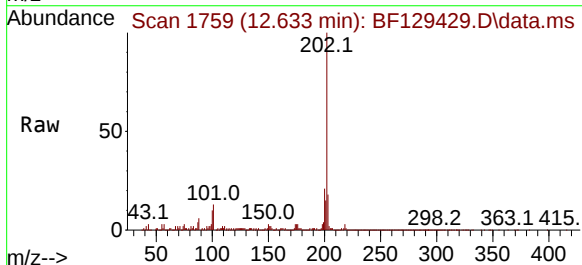
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-072722-B

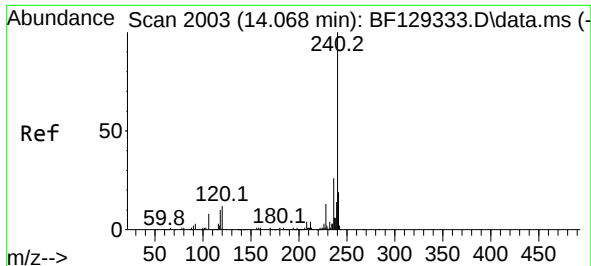
Tgt Ion:178 Resp: 82562
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 15.3 12.6 19.0



#75
 Fluoranthene
 Concen: 16.576 ng
 RT: 12.633 min Scan# 1759
 Delta R.T. -0.000 min
 Lab File: BF129429.D
 Acq: 29 Jul 2022 02:21

Tgt Ion:202 Resp: 367267
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 31.4
 203 17.6 0.0 38.0

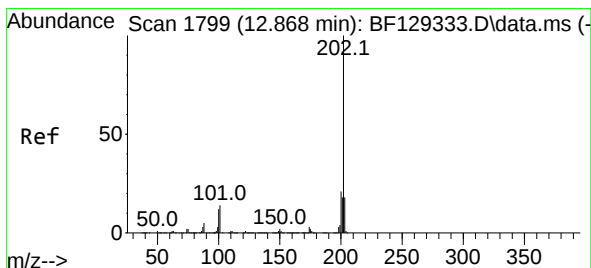
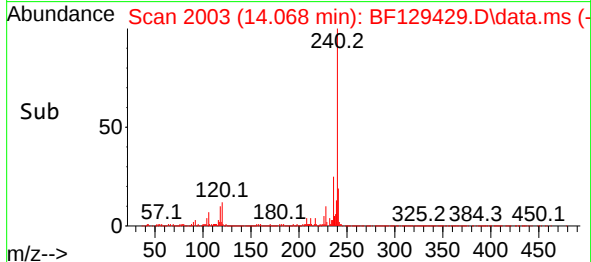
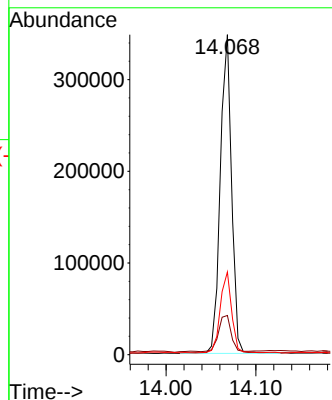
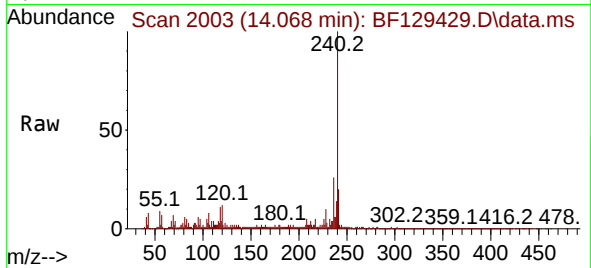




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

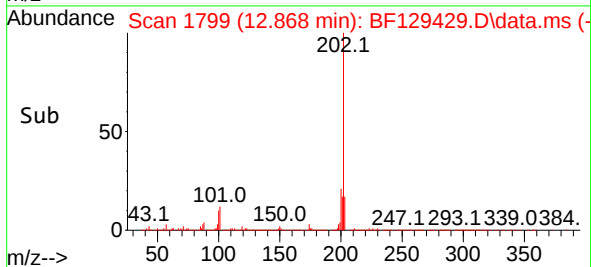
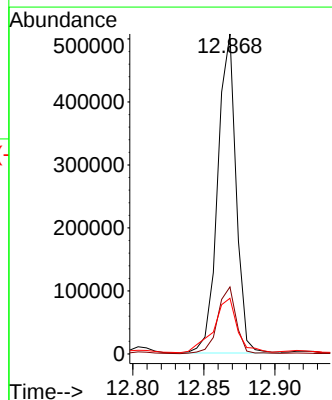
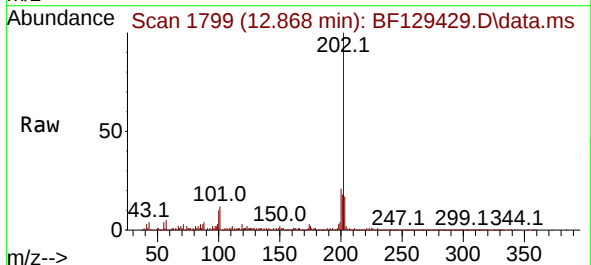
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B

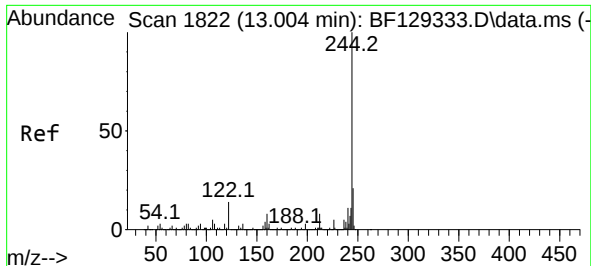
Tgt Ion:240 Resp: 303190
Ion Ratio Lower Upper
240 100
120 12.3 8.9 13.3
236 25.8 20.8 31.2



#78
Pyrene
Concen: 17.972 ng
RT: 12.868 min Scan# 1799
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion:202 Resp: 455658
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.4 14.6 21.8

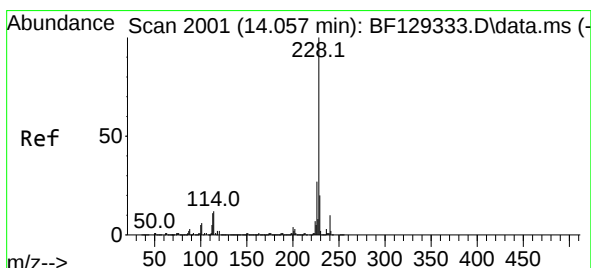
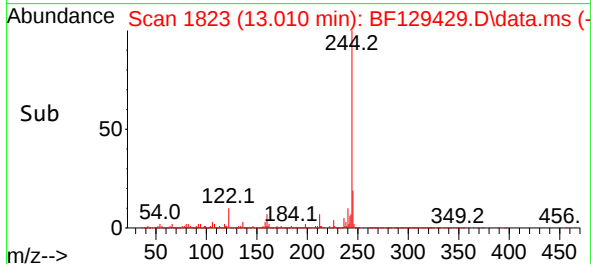
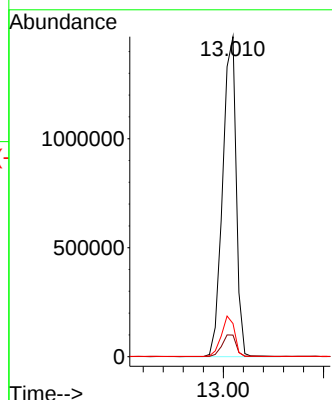
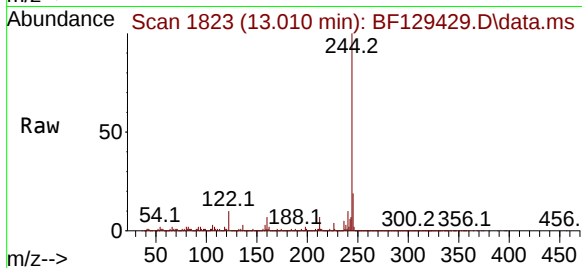




#79
 Terphenyl-d14
 Concen: 85.275 ng
 RT: 13.010 min Scan# 1822
 Delta R.T. 0.006 min
 Lab File: BF129429.D
 Acq: 29 Jul 2022 02:21

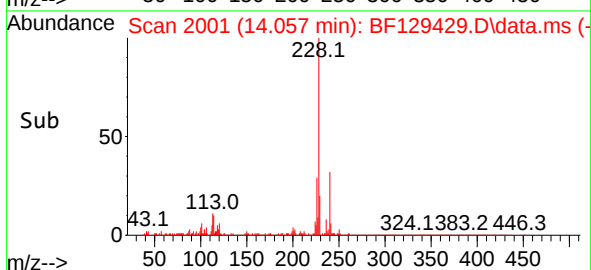
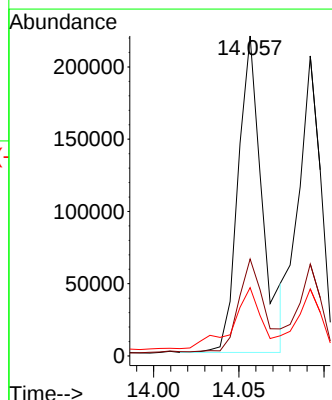
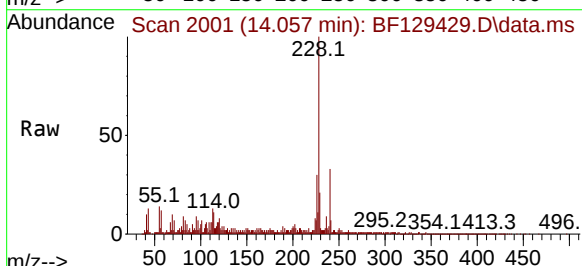
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-072722-B

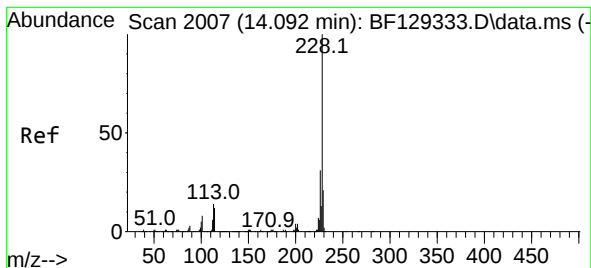
Tgt Ion:244 Resp: 1370446
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 10.3 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 10.402 ng
 RT: 14.057 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: BF129429.D
 Acq: 29 Jul 2022 02:21

Tgt Ion:228 Resp: 215432
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.1 33.1
 229 21.4 15.8 23.8





#83

Chrysene

Concen: 9.691 ng

RT: 14.092 min Scan# 2007

Delta R.T. -0.000 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

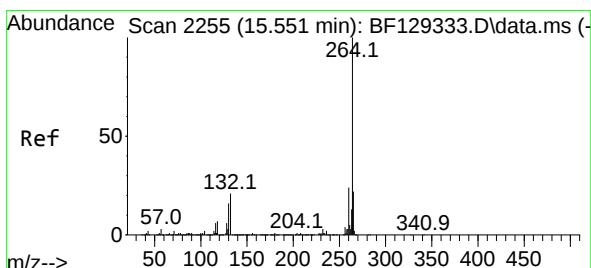
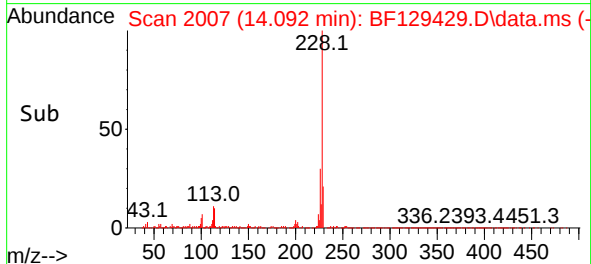
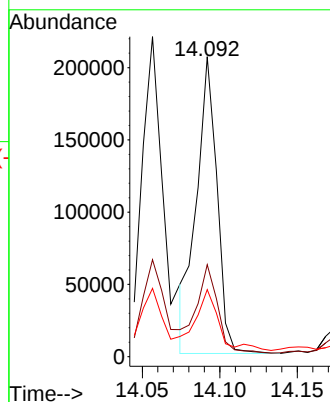
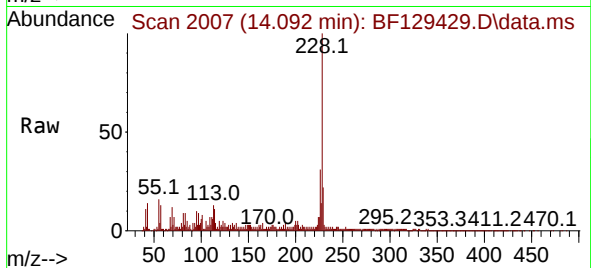
Tgt Ion:228 Resp: 189168

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 22.4 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2258

Delta R.T. 0.018 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

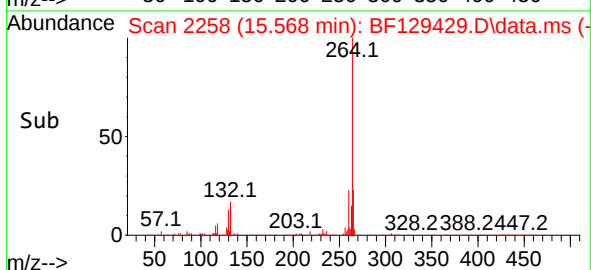
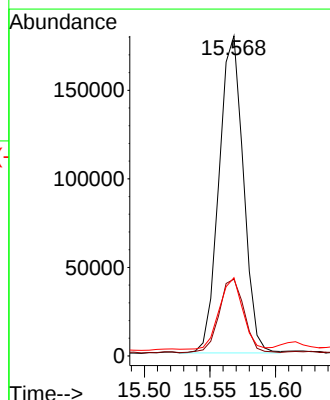
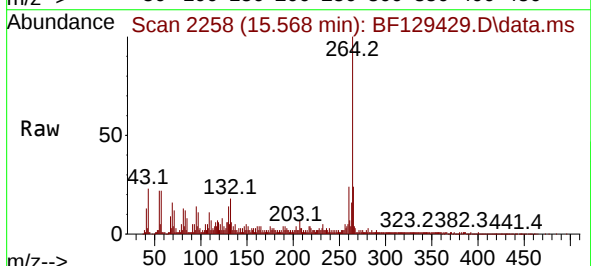
Tgt Ion:264 Resp: 230718

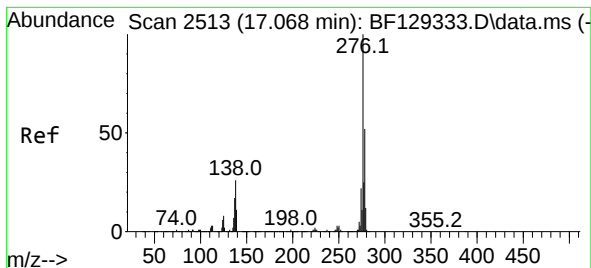
Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 24.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.206 ng

RT: 17.080 min Scan# 2181

Delta R.T. 0.012 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

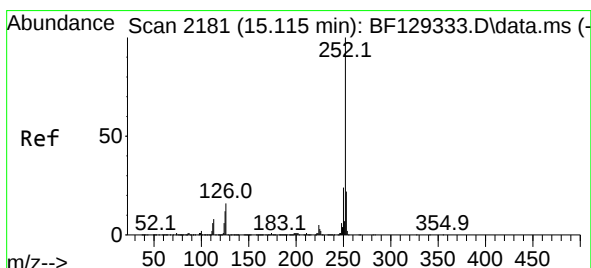
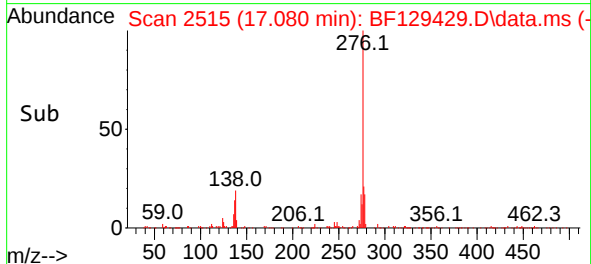
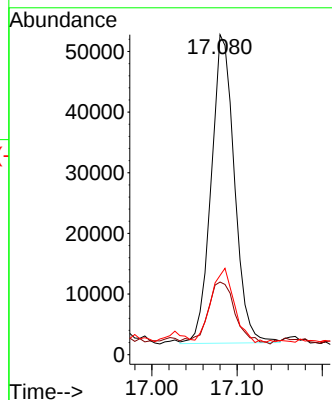
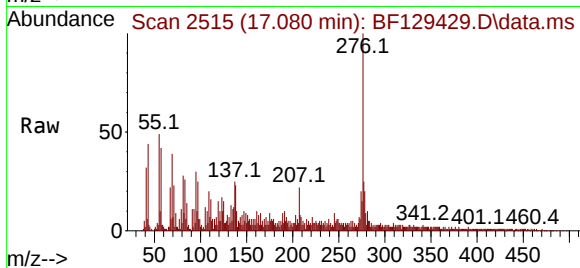
Tgt Ion:276 Resp: 96415

Ion Ratio Lower Upper

276 100

138 23.8 21.1 31.7

277 24.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 17.665 ng

RT: 15.121 min Scan# 2182

Delta R.T. 0.006 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

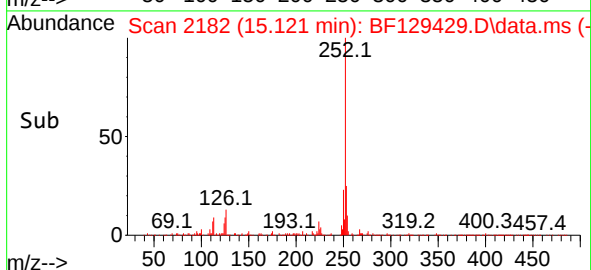
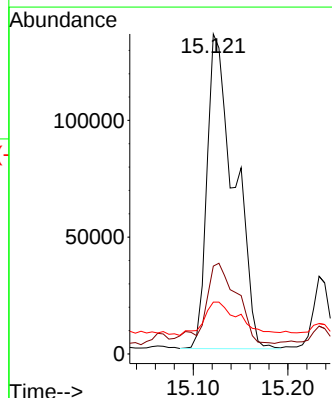
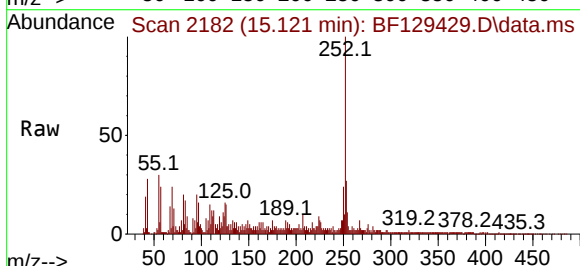
Tgt Ion:252 Resp: 270349

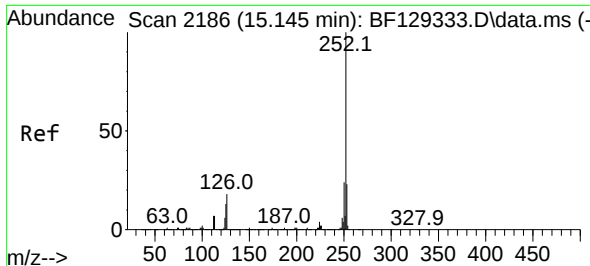
Ion Ratio Lower Upper

252 100

253 27.5 17.7 26.5#

125 16.2 8.0 12.0#

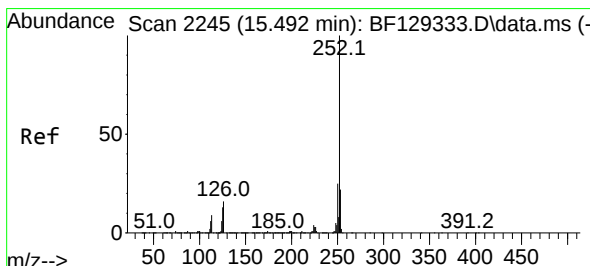
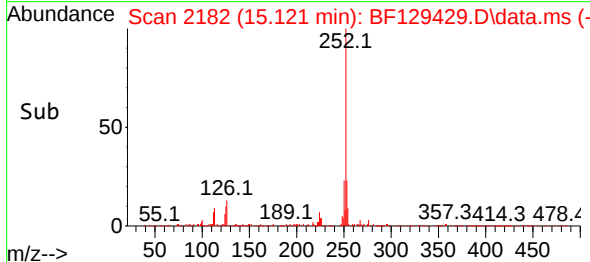
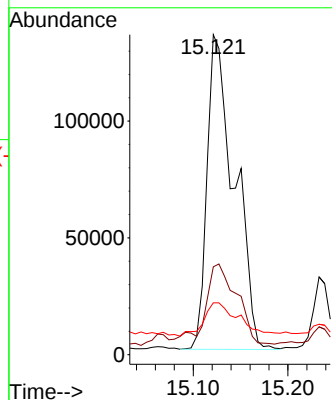
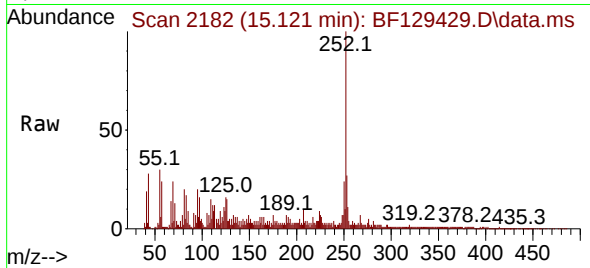




#89
Benzo(k)fluoranthene
Concen: 18.026 ng
RT: 15.121 min Scan# 2186
Delta R.T. -0.024 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

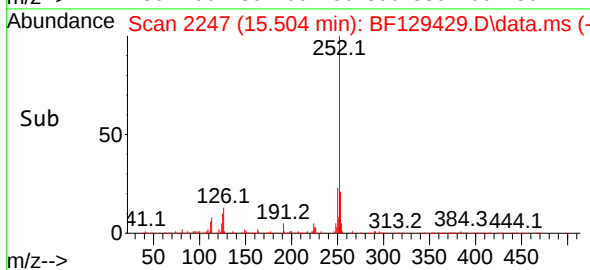
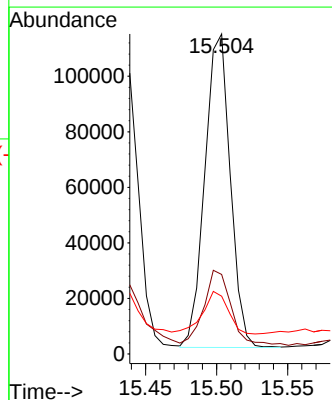
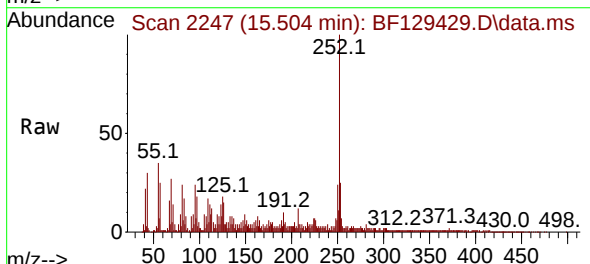
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B

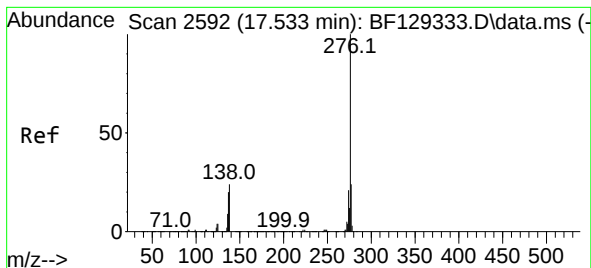
Tgt Ion:252 Resp: 270349
Ion Ratio Lower Upper
252 100
253 27.5 17.8 26.6#
125 16.2 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 11.324 ng
RT: 15.504 min Scan# 2247
Delta R.T. 0.012 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion:252 Resp: 140680
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 18.1 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 7.600 ng

RT: 17.545 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129429.D

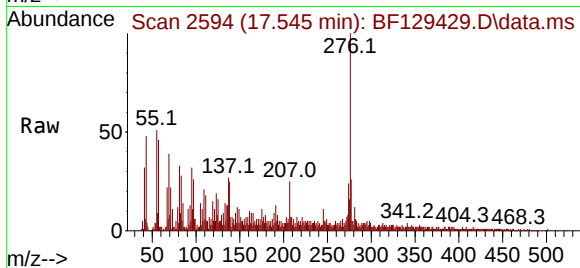
Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B



Tgt Ion:276 Resp: 98201

Ion Ratio Lower Upper

276 100

277 26.4 19.1 28.7

138 25.5 18.0 27.0

