

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
 Data File : BF129200.D
 Acq On : 12 Jul 2022 21:01
 Operator : CG\JU
 Sample : N3643-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-070822

Quant Time: Jul 13 01:58:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 14:13:54 2022
 Response via : Initial Calibration

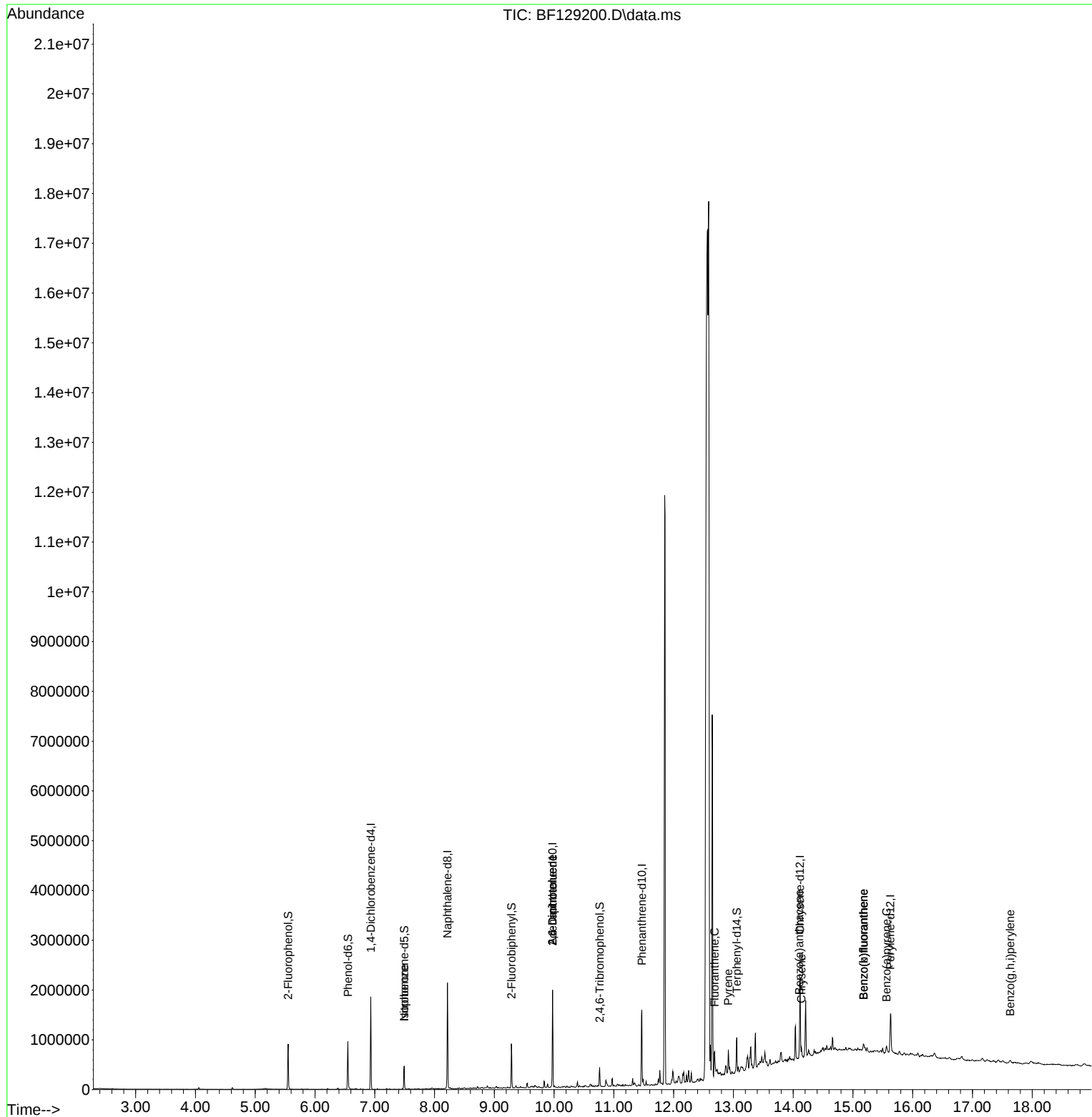
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	246766	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	851216	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	350693	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	571533	20.000	ng	0.00
76) Chrysene-d12	14.115	240	469631	20.000	ng	0.00
86) Perylene-d12	15.627	264	351345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	240257	16.460	ng	-0.01
7) Phenol-d6	6.551	99	292880	16.156	ng	-0.02
23) Nitrobenzene-d5	7.492	82	132676	9.297	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	42027	11.021	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	245635	11.205	ng	-0.01
79) Terphenyl-d14	13.057	244	227006	10.038	ng	0.00
Target Compounds						
9) Benzaldehyde	6.487	77	435	Below Cal	Qvalue	# 42
25) Isophorone	7.492	82	131064	5.434	ng	# 66
51) 2,6-Dinitrotoluene	9.975	165	46863	10.453	ng	# 25
57) 2,4-Dinitrotoluene	9.975	165	46863	8.467	ng	# 21
75) Fluoranthene	12.686	202	112531	3.940	ng	99
78) Pyrene	12.916	202	162571	4.994	ng	97
81) Benzo(a)anthracene	14.104	228	76998	2.685	ng	# 86
83) Chrysene	14.139	228	75435	2.834	ng	# 95
88) Benzo(b)fluoranthene	15.180	252	91643	4.337	ng	# 83
89) Benzo(k)fluoranthene	15.180	252	91643	4.472	ng	# 83
90) Benzo(a)pyrene	15.562	252	60579	3.517	ng	# 87
92) Benzo(g,h,i)perylene	17.633	276	39544	2.244	ng	# 89

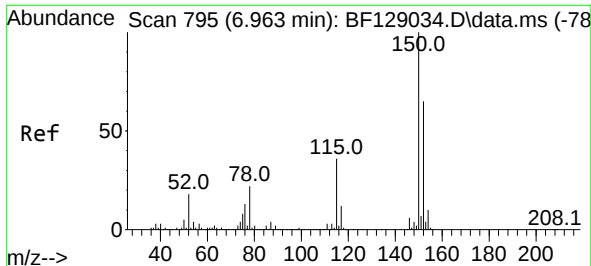
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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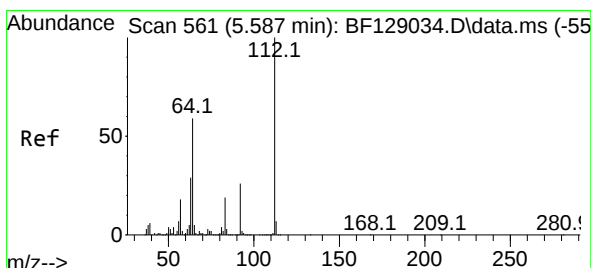
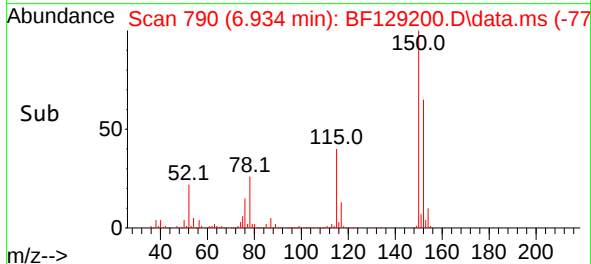
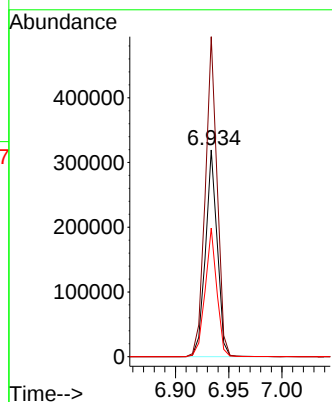
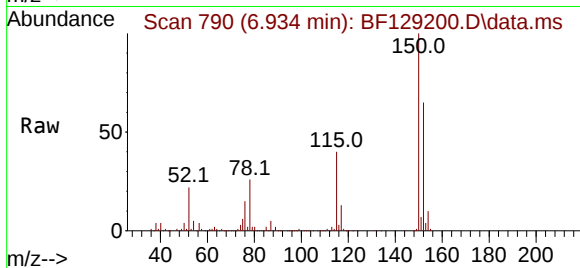




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

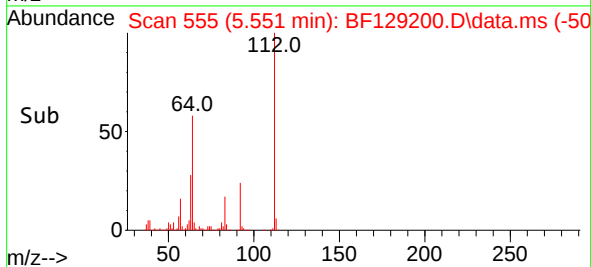
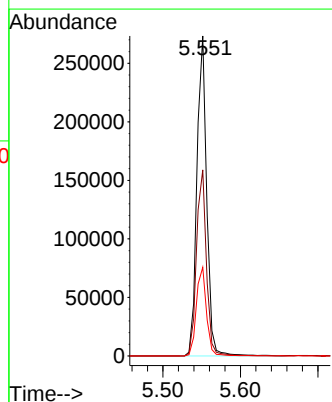
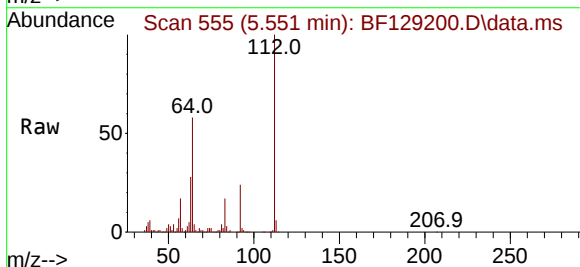
Instrument :
BNA_F
ClientSampleId :
TR-04-070822

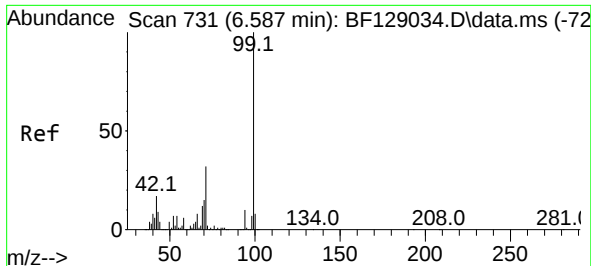
Tgt Ion:152 Resp: 246766
Ion Ratio Lower Upper
152 100
150 154.8 123.7 185.5
115 62.2 49.9 74.9



#5
2-Fluorophenol
Concen: 16.460 ng
RT: 5.551 min Scan# 555
Delta R.T. -0.012 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

Tgt Ion:112 Resp: 240257
Ion Ratio Lower Upper
112 100
64 58.2 53.3 79.9
63 27.7 28.0 42.0#

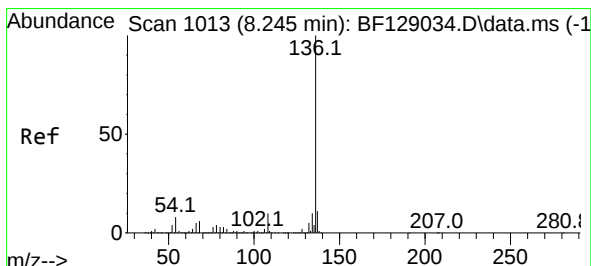
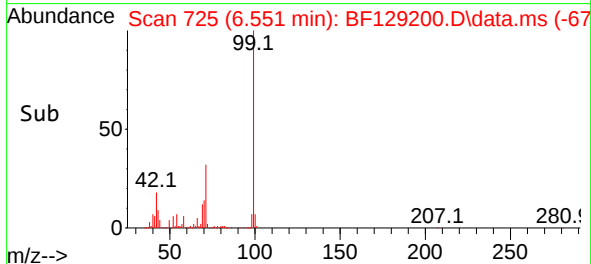
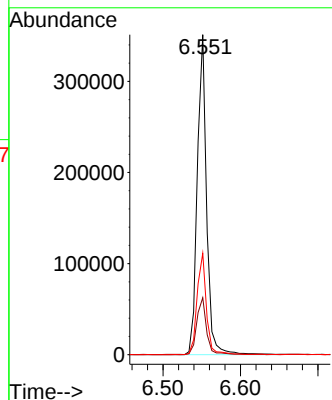
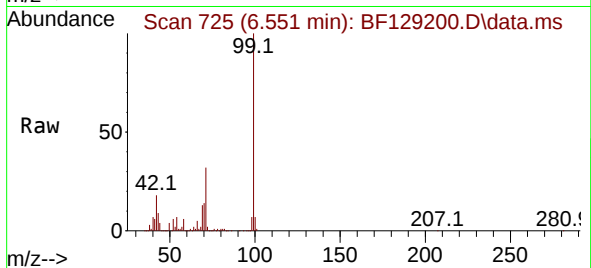




#7
Phenol-d6
Concen: 16.156 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

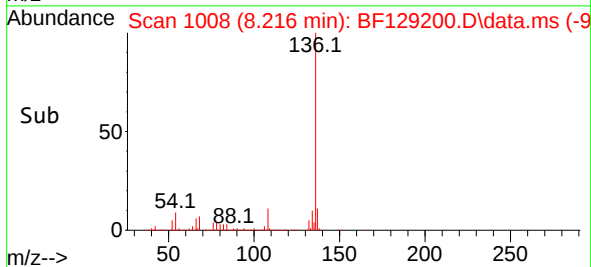
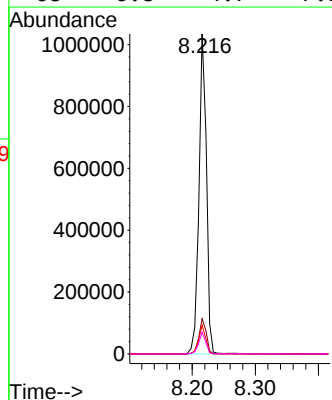
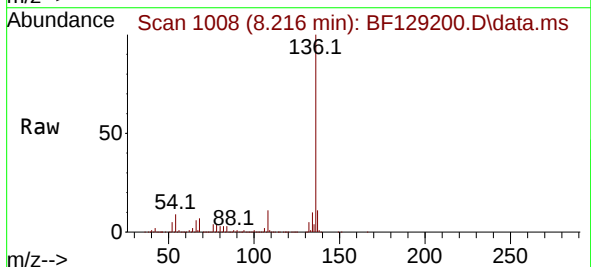
Instrument :
BNA_F
ClientSampleId :
TR-04-070822

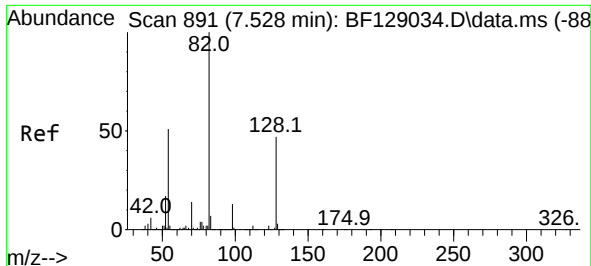
Tgt Ion: 99 Resp: 292880
Ion Ratio Lower Upper
99 100
42 17.8 17.3 25.9
71 31.7 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

Tgt Ion: 136 Resp: 851216
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.0 7.5 11.3
68 6.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 9.297 ng

RT: 7.492 min Scan# 885

Delta R.T. -0.012 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

Instrument :

BNA_F

ClientSampleId :

TR-04-070822

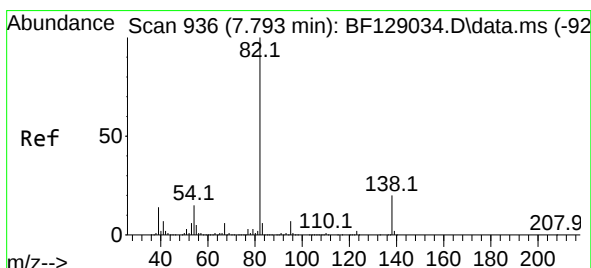
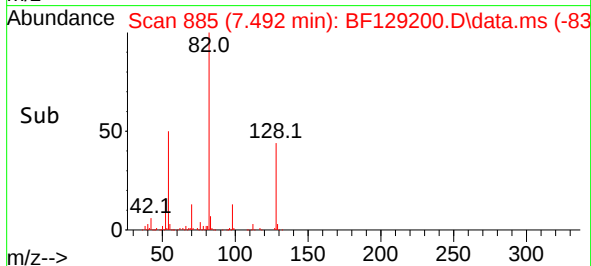
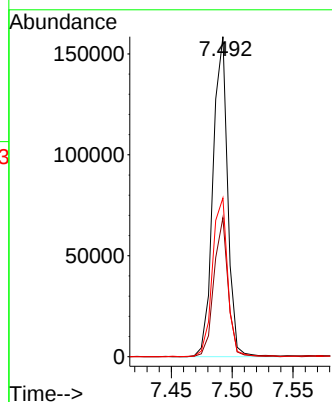
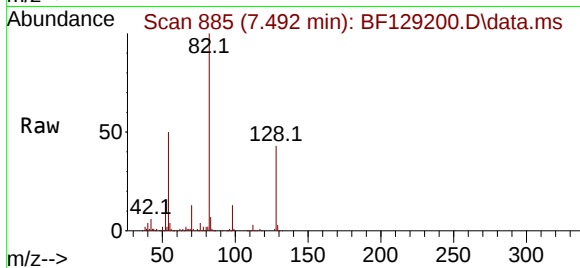
Tgt Ion: 82 Resp: 132676

Ion Ratio Lower Upper

82 100

128 43.5 34.0 51.0

54 49.6 46.9 70.3



#25

Isophorone

Concen: 5.434 ng

RT: 7.492 min Scan# 885

Delta R.T. -0.271 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

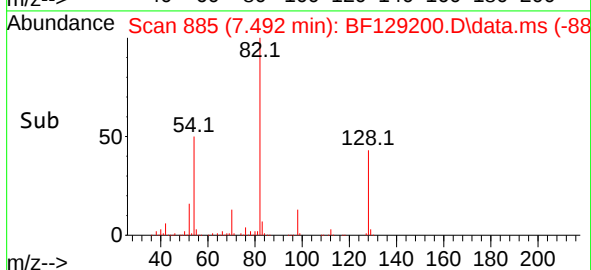
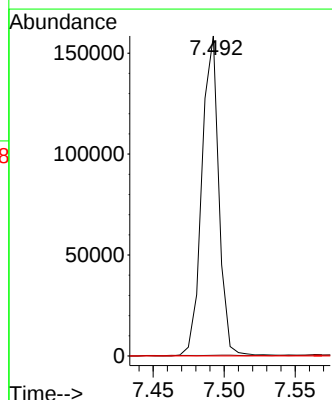
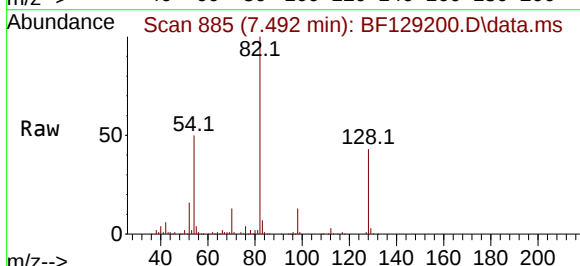
Tgt Ion: 82 Resp: 131064

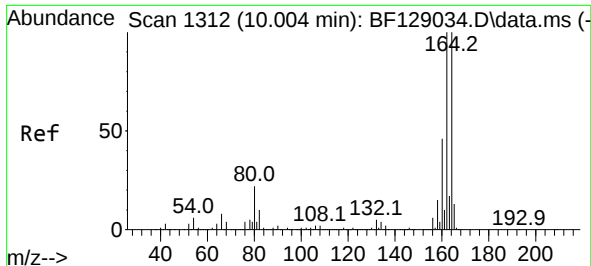
Ion Ratio Lower Upper

82 100

95 0.2 5.7 8.5#

138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

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TR-04-070822

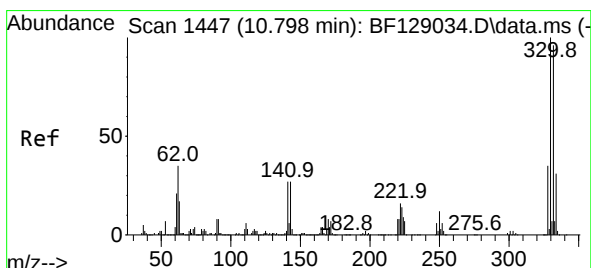
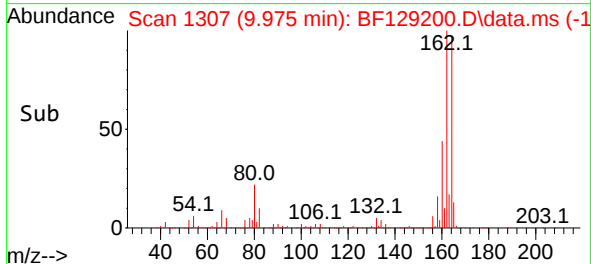
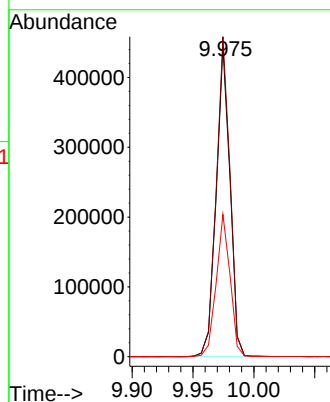
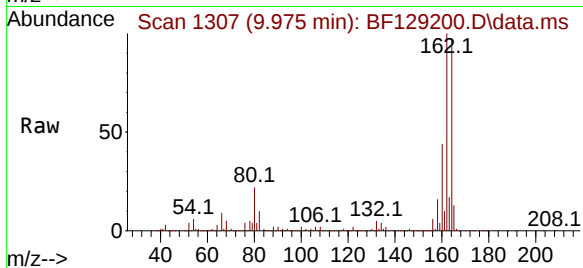
Tgt Ion:164 Resp: 350693

Ion Ratio Lower Upper

164 100

162 103.2 79.5 119.3

160 45.9 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 11.021 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

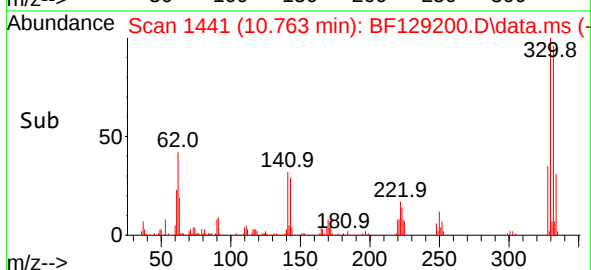
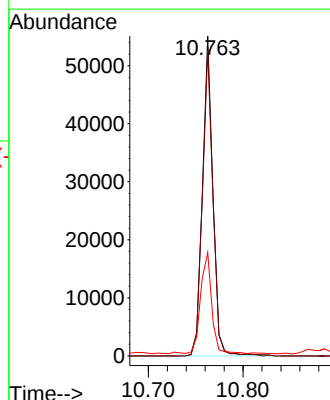
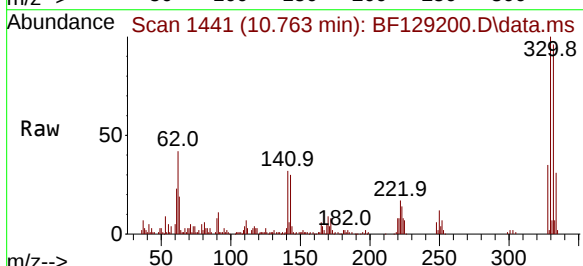
Tgt Ion:330 Resp: 42027

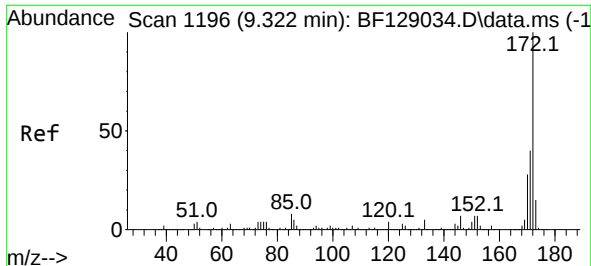
Ion Ratio Lower Upper

330 100

332 97.0 76.8 115.2

141 33.6 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 11.205 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

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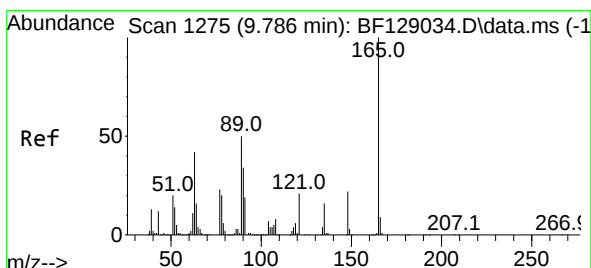
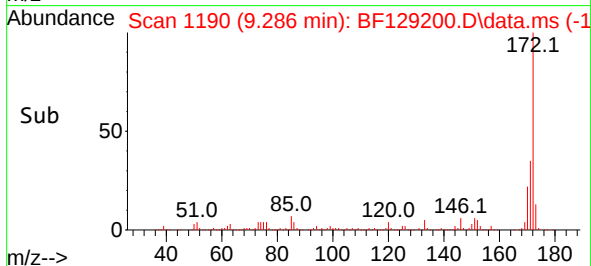
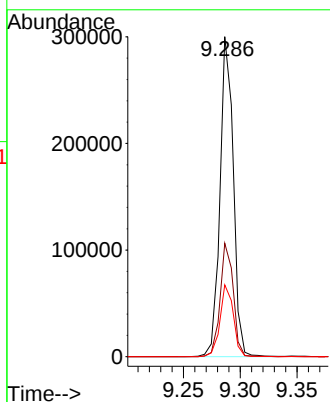
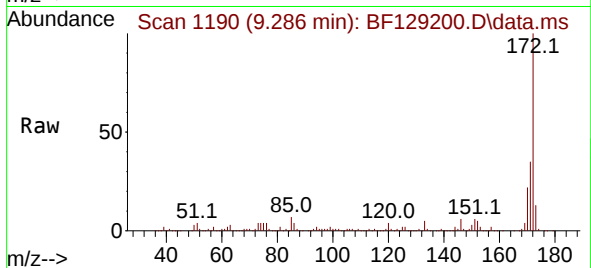
Tgt Ion:172 Resp: 245635

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 22.4 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 10.453 ng

RT: 9.975 min Scan# 1307

Delta R.T. 0.212 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

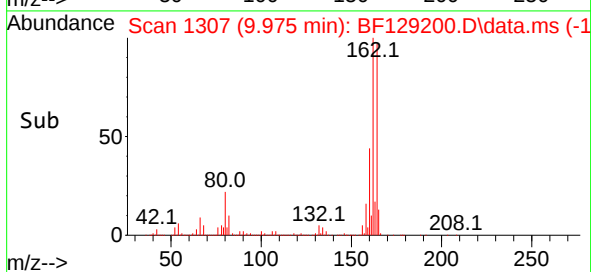
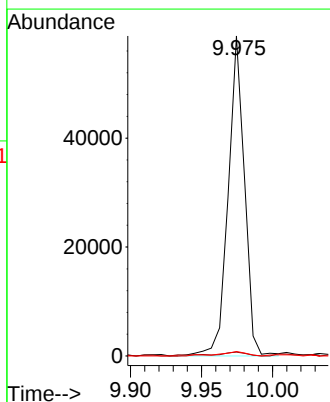
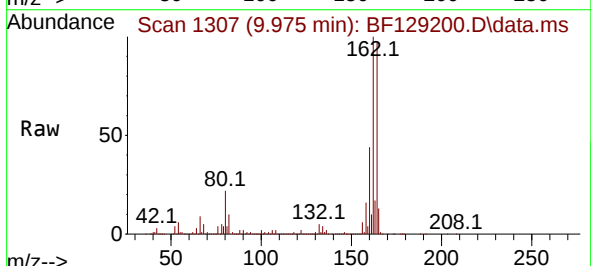
Tgt Ion:165 Resp: 46863

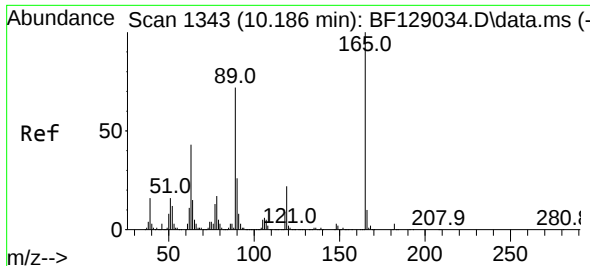
Ion Ratio Lower Upper

165 100

63 1.2 44.9 67.3#

89 1.4 43.6 65.4#

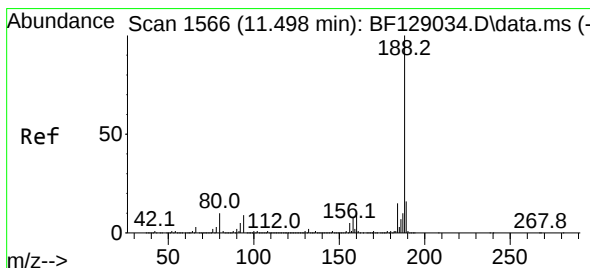
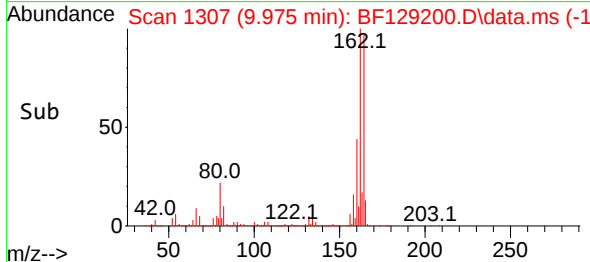
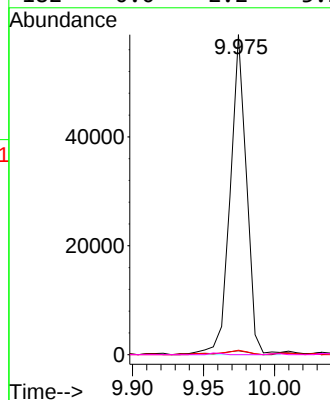
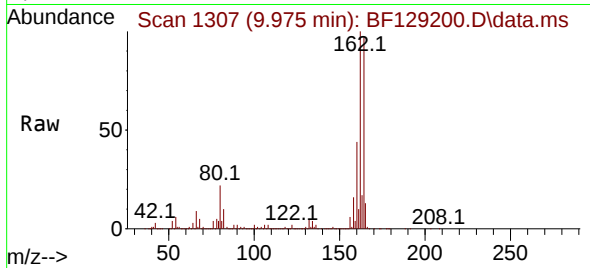




#57
2,4-Dinitrotoluene
Concen: 8.467 ng
RT: 9.975 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

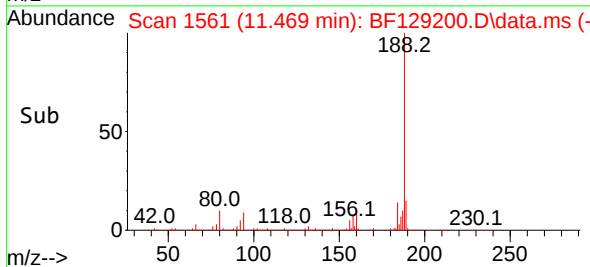
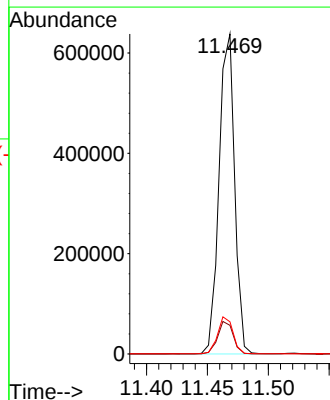
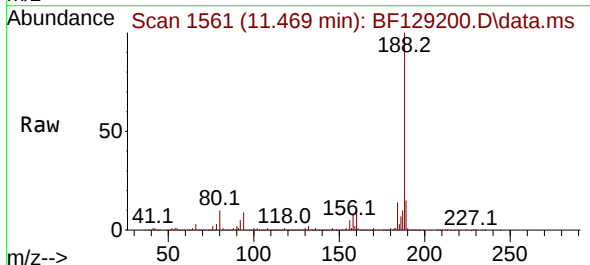
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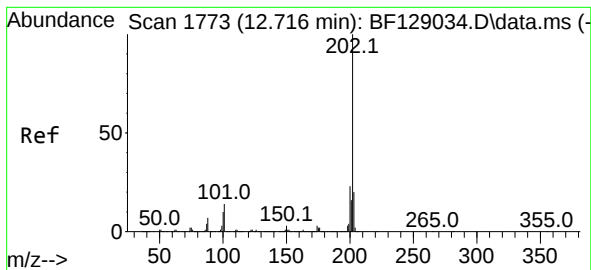
Tgt Ion:165 Resp: 46863
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.4 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

Tgt Ion:188 Resp: 571533
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 10.1 7.6 11.4





#75

Fluoranthene

Concen: 3.940 ng

RT: 12.686 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

Instrument :

BNA_F

ClientSampleId :

TR-04-070822

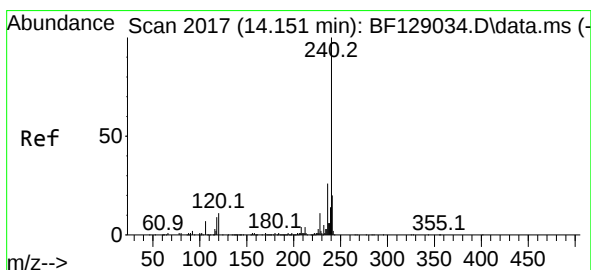
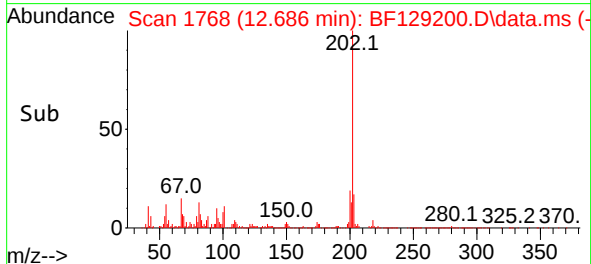
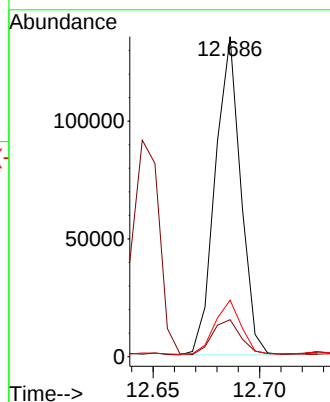
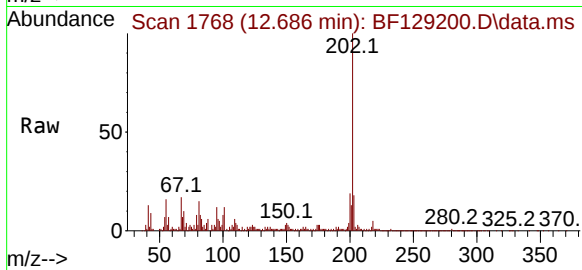
Tgt Ion:202 Resp: 112531

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

203 17.7 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

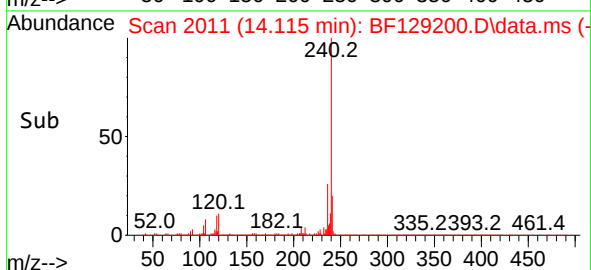
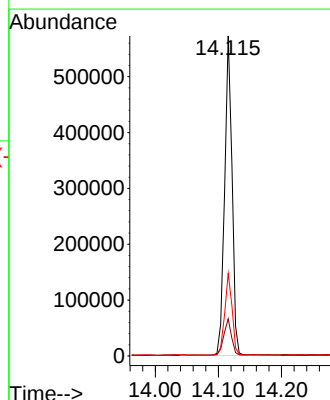
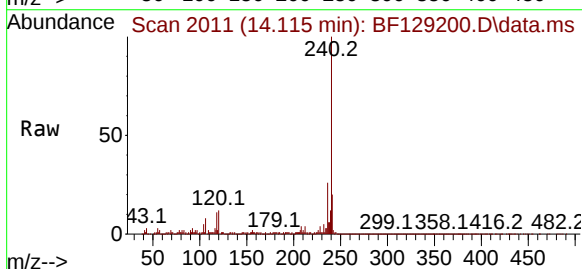
Tgt Ion:240 Resp: 469631

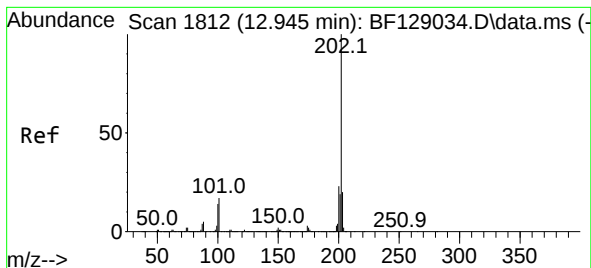
Ion Ratio Lower Upper

240 100

120 11.6 8.9 13.3

236 25.8 20.8 31.2





#78

Pyrene

Concen: 4.994 ng

RT: 12.916 min Scan# 1807

Delta R.T. -0.006 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

Instrument :

BNA_F

ClientSampleId :

TR-04-070822

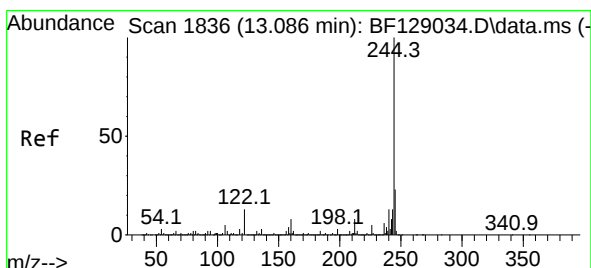
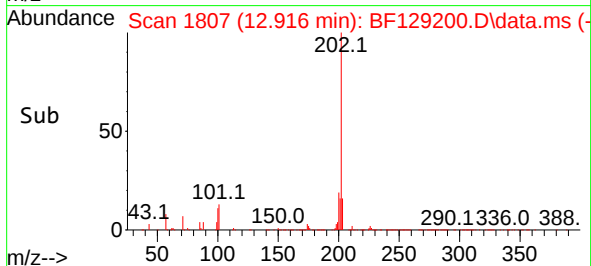
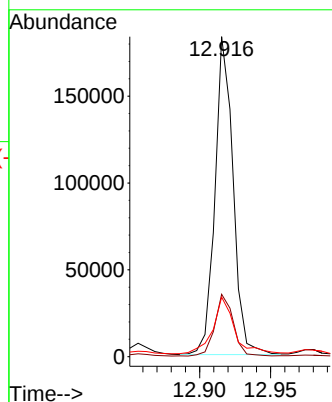
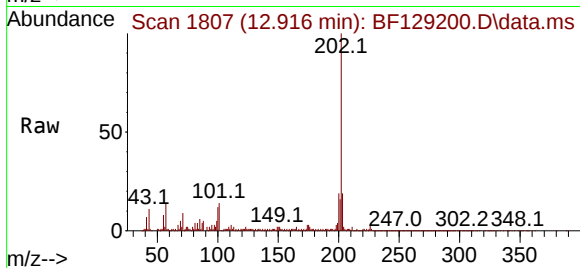
Tgt Ion:202 Resp: 162571

Ion Ratio Lower Upper

202 100

200 19.5 17.7 26.5

203 18.6 14.6 21.8



#79

Terphenyl-d14

Concen: 10.038 ng

RT: 13.057 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

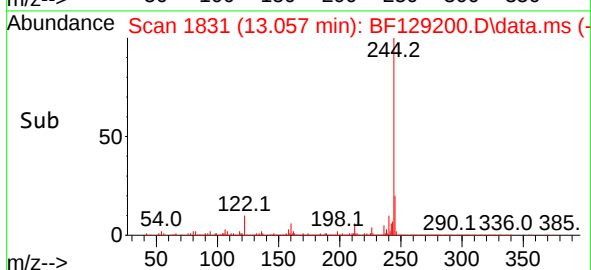
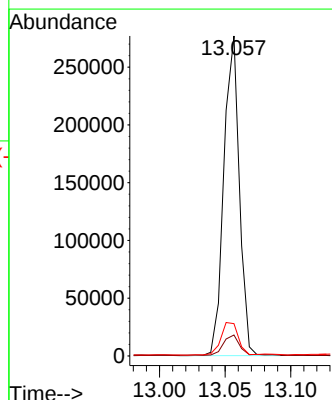
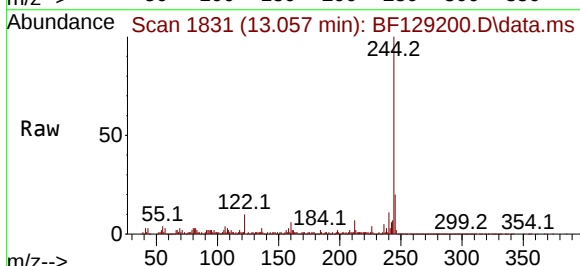
Tgt Ion:244 Resp: 227006

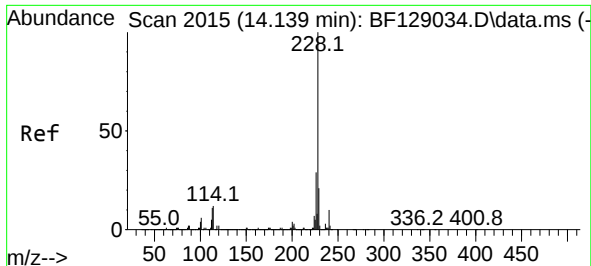
Ion Ratio Lower Upper

244 100

212 6.6 6.1 9.1

122 10.1 8.8 13.2

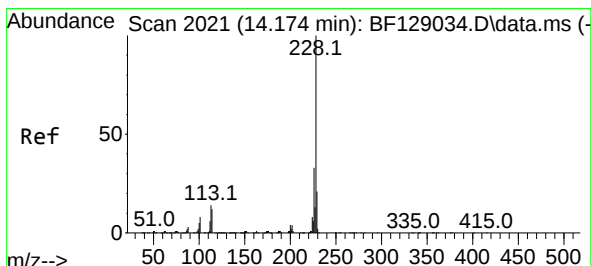
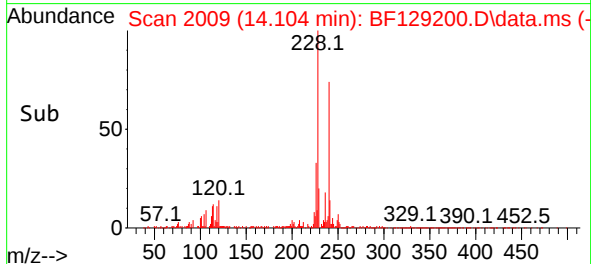
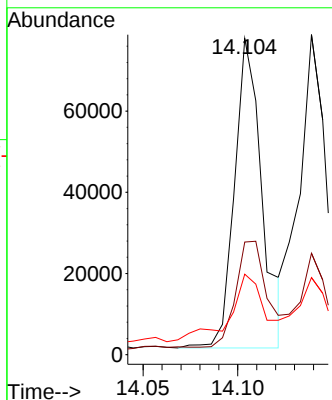
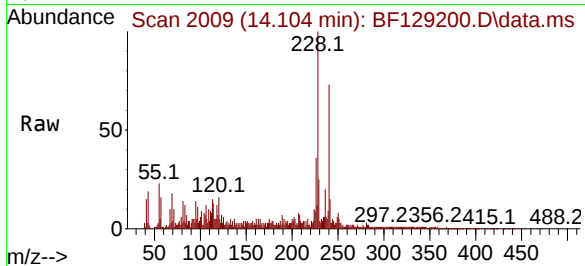




#81
Benzo(a)anthracene
Concen: 2.685 ng
RT: 14.104 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

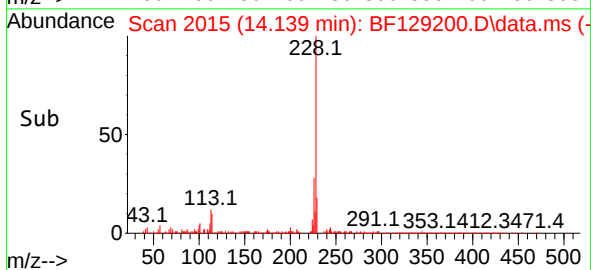
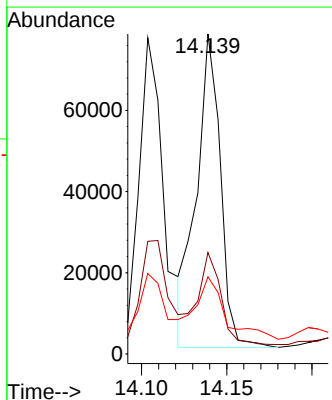
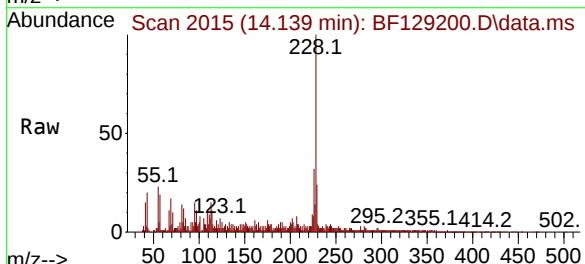
Instrument :
BNA_F
ClientSampleId :
TR-04-070822

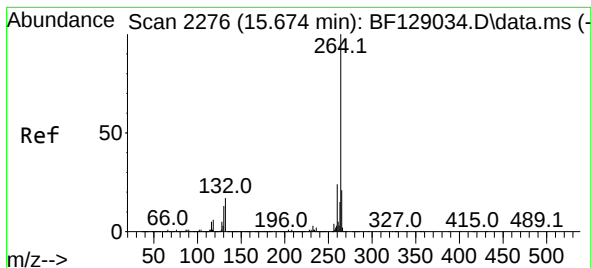
Tgt Ion:228 Resp: 76998
Ion Ratio Lower Upper
228 100
226 35.6 22.1 33.1#
229 25.5 15.8 23.8#



#83
Chrysene
Concen: 2.834 ng
RT: 14.139 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

Tgt Ion:228 Resp: 75435
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 24.1 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

Instrument :

BNA_F

ClientSampleId :

TR-04-070822

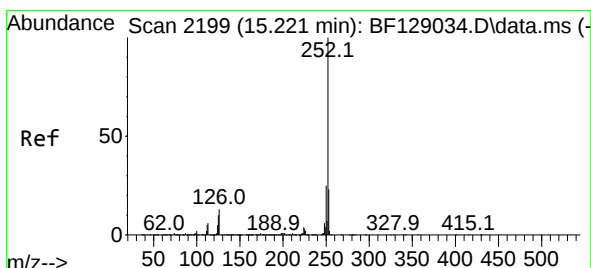
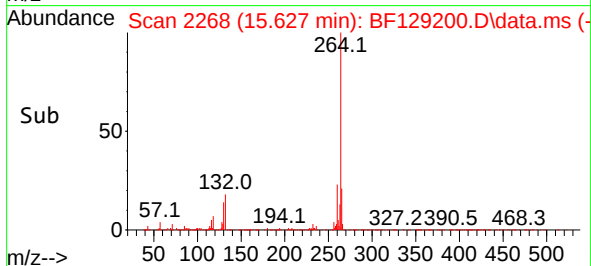
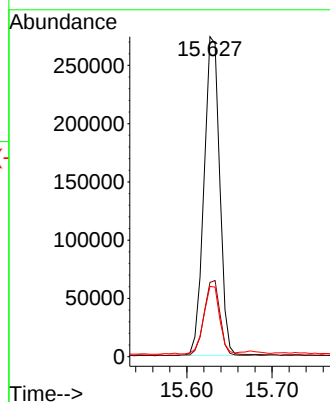
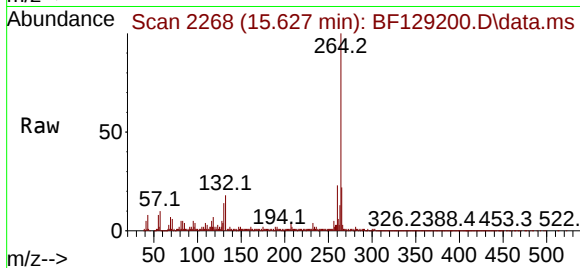
Tgt Ion:264 Resp: 351345

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 21.9 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 4.337 ng

RT: 15.180 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF129200.D

Acq: 12 Jul 2022 21:01

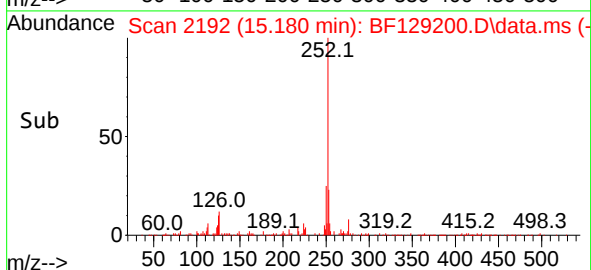
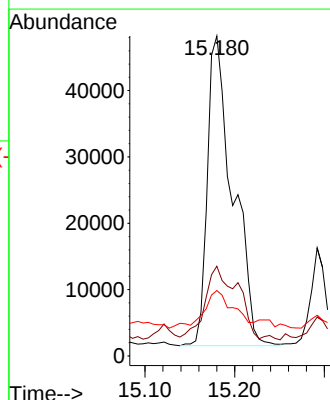
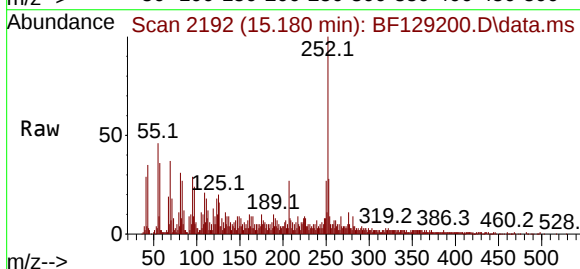
Tgt Ion:252 Resp: 91643

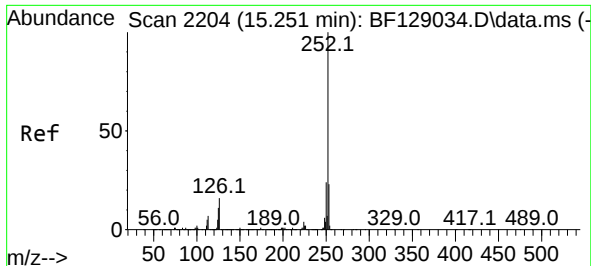
Ion Ratio Lower Upper

252 100

253 28.0 17.7 26.5#

125 20.5 8.0 12.0#

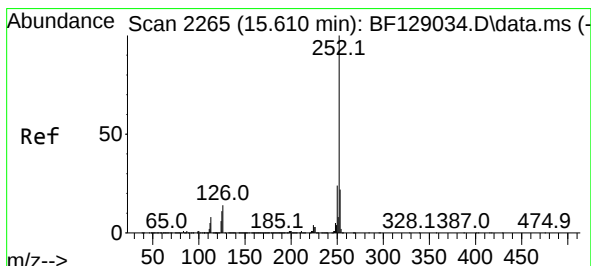
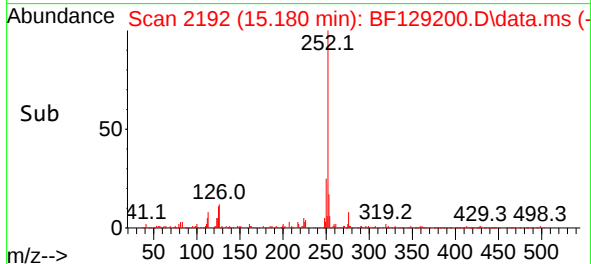
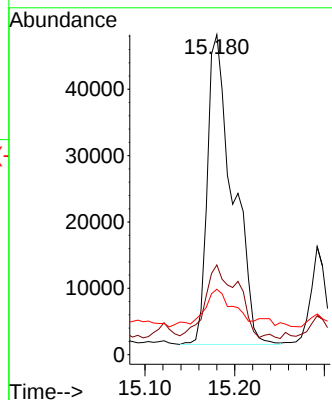
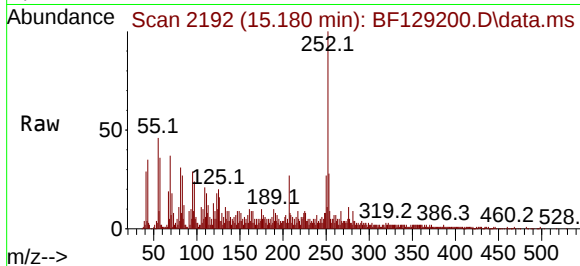




#89
Benzo(k)fluoranthene
Concen: 4.472 ng
RT: 15.180 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

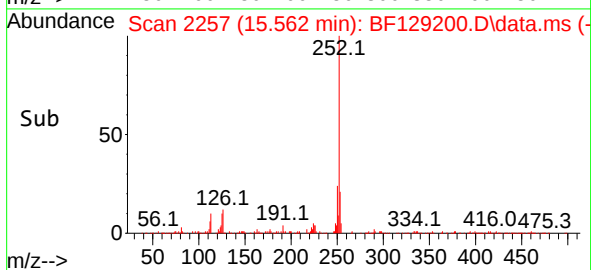
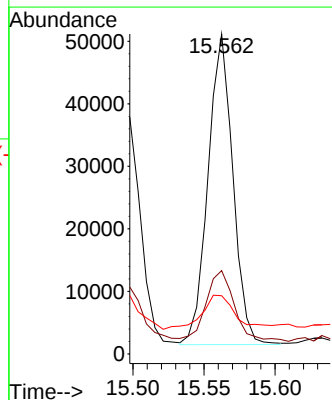
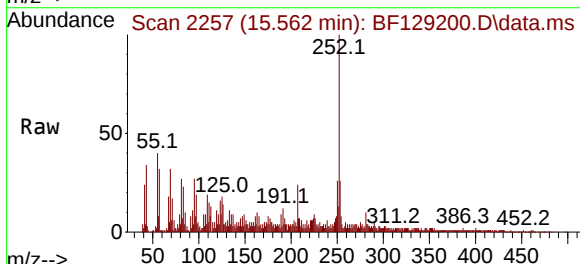
Instrument :
BNA_F
ClientSampleId :
TR-04-070822

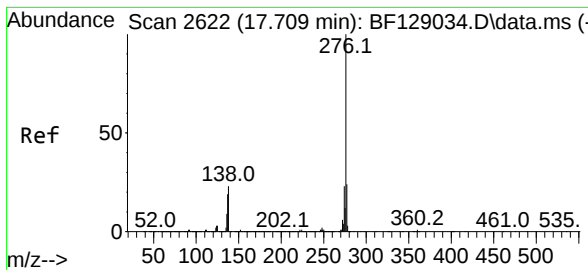
Tgt Ion:252 Resp: 91643
Ion Ratio Lower Upper
252 100
253 28.0 17.8 26.6#
125 20.5 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 3.517 ng
RT: 15.562 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF129200.D
Acq: 12 Jul 2022 21:01

Tgt Ion:252 Resp: 60579
Ion Ratio Lower Upper
252 100
253 26.1 17.0 25.6#
125 18.2 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.244 ng

RT: 17.633 min Scan# 2

Delta R.T. -0.024 min

Lab File: BF129200.D

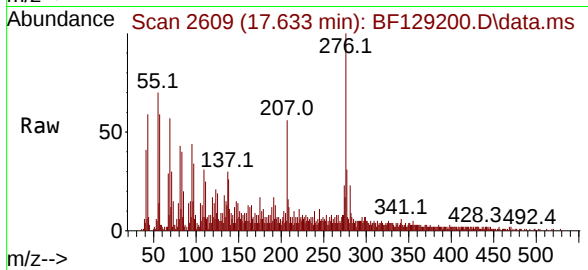
Acq: 12 Jul 2022 21:01

Instrument :

BNA_F

ClientSampleId :

TR-04-070822



Tgt Ion:276 Resp: 39544

Ion Ratio Lower Upper

276 100

277 31.4 19.1 28.7#

138 25.9 18.0 27.0

