

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070522\
 Data File : BF129124.D
 Acq On : 05 Jul 2022 15:21
 Operator : CG\JU
 Sample : N3557-01DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-063022DL

Quant Time: Jul 05 16:39:57 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)

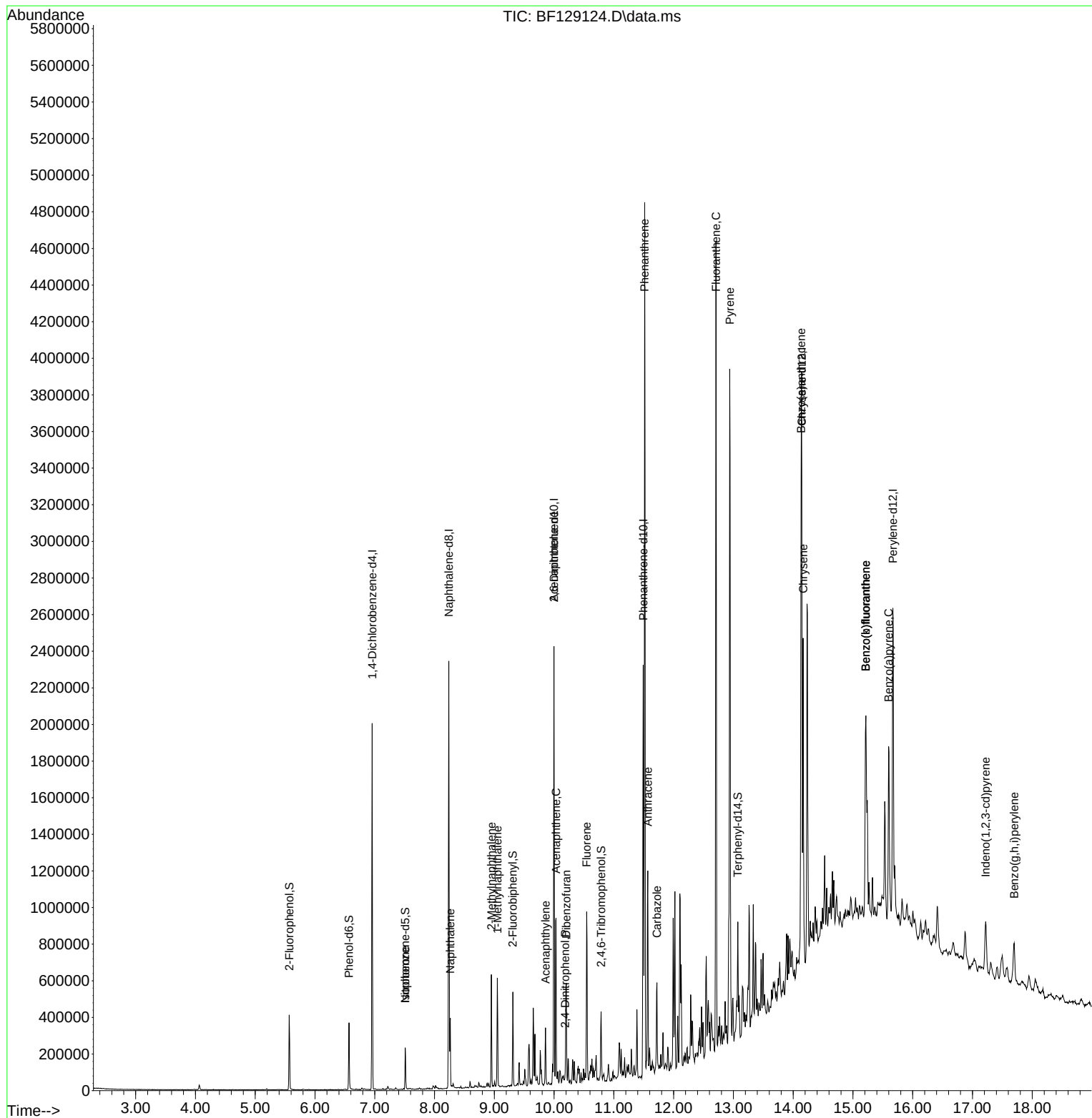
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	270171	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	921854	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	435374	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	797370	20.000	ng	0.00
76) Chrysene-d12	14.145	240	846431	20.000	ng	0.00
86) Perylene-d12	15.668	264	760574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	101942	6.379	ng	-0.02
7) Phenol-d6	6.569	99	110806	5.583	ng	-0.02
23) Nitrobenzene-d5	7.510	82	66715	4.317	ng	-0.02
42) 2,4,6-Tribromophenol	10.786	330	26452	5.588	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	140409	5.159	ng	-0.01
79) Terphenyl-d14	13.074	244	182815	4.485	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	649	Below Cal	#	55
25) Isophorone	7.510	82	64335	2.463	ng	# 65
31) Naphthalene	8.263	128	155073	3.705	ng	97
37) 2-Methylnaphthalene	8.951	142	143320	5.089	ng	98
38) 1-Methylnaphthalene	9.051	142	142123	5.197	ng	97
49) Acenaphthylene	9.857	152	77026	2.097	ng	# 94
51) 2,6-Dinitrotoluene	9.998	165	60630	10.893	ng	# 25
52) Acenaphthene	10.033	154	187852	7.852	ng	99
54) 2,4-Dinitrophenol	10.186	184	55	6.883	ng	# 1
55) Dibenzofuran	10.204	168	190932	5.481	ng	98
58) Fluorene	10.545	166	251866	9.347	ng	97
71) Phenanthrene	11.516	178	1654375	43.424	ng	99
72) Anthracene	11.568	178	411127	10.945	ng	98
73) Carbazole	11.721	167	188622	5.011	ng	96
75) Fluoranthene	12.710	202	1633862	41.007	ng	97
78) Pyrene	12.939	202	1513680	25.799	ng	98
81) Benzo(a)anthracene	14.133	228	663152	12.831	ng	95
83) Chrysene	14.168	228	644514	13.433	ng	97
87) Indeno(1,2,3-cd)pyrene	17.221	276	198227	4.249	ng	95
88) Benzo(b)fluoranthene	15.215	252	894710	19.560	ng	# 96
89) Benzo(k)fluoranthene	15.215	252	894710	20.167	ng	96
90) Benzo(a)pyrene	15.598	252	479022	12.846	ng	# 94
92) Benzo(g,h,i)perylene	17.698	276	185659	4.866	ng	97

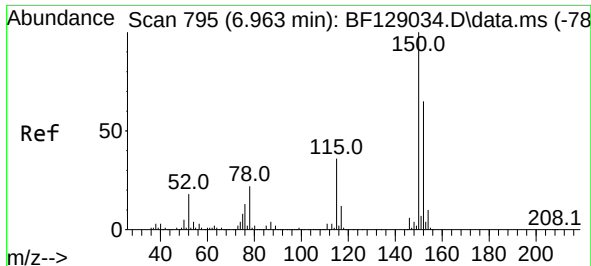
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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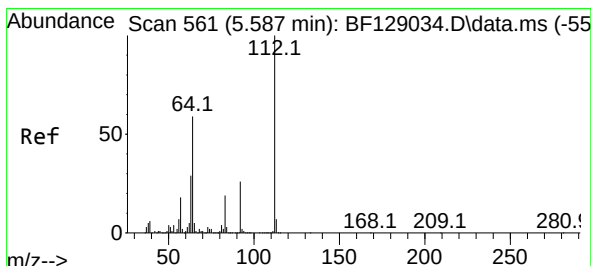
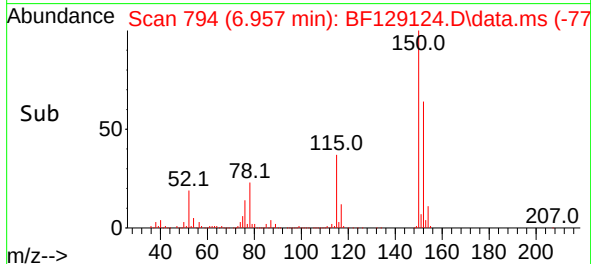
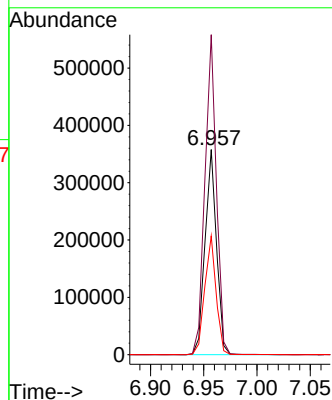
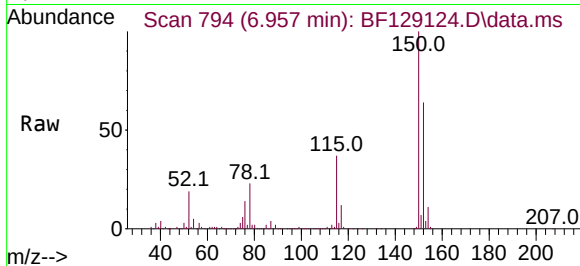




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

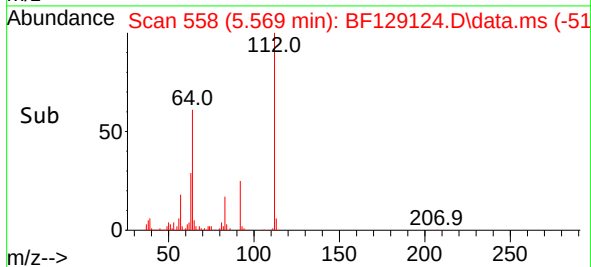
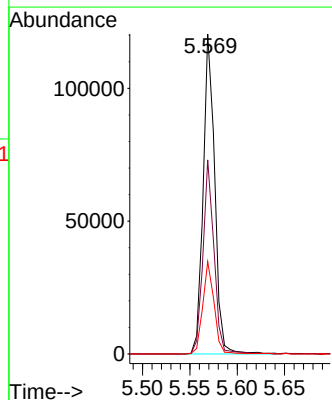
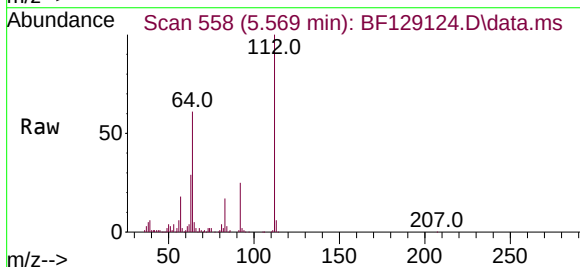
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL

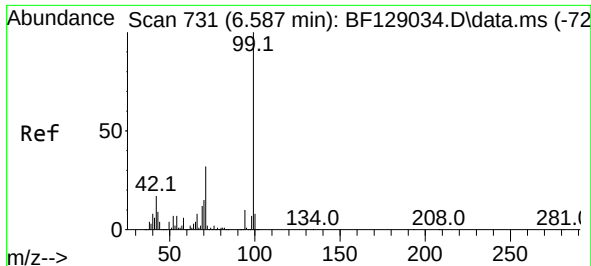
Tgt Ion:152 Resp: 270171
Ion Ratio Lower Upper
152 100
150 156.0 123.7 185.5
115 57.9 49.9 74.9



#5
2-Fluorophenol
Concen: 6.379 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.018 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Tgt Ion:112 Resp: 101942
Ion Ratio Lower Upper
112 100
64 60.6 53.3 79.9
63 28.9 28.0 42.0

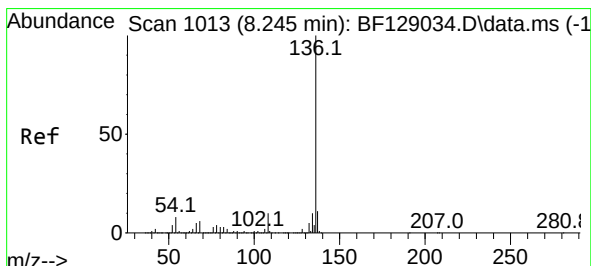
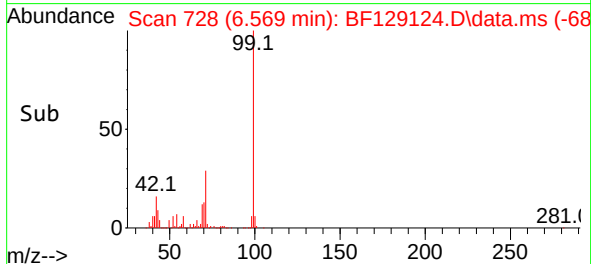
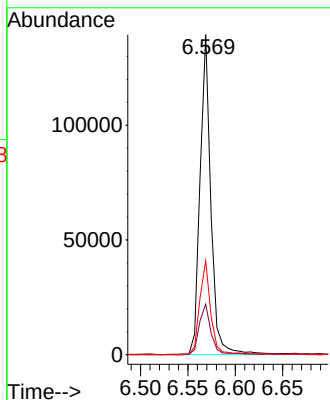
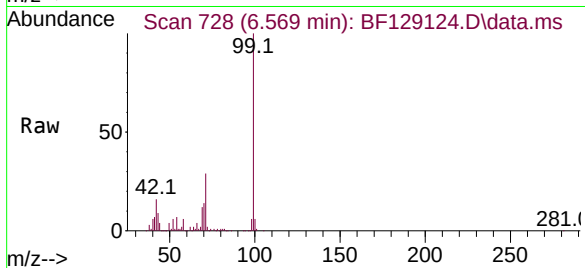




#7
Phenol-d6
Concen: 5.583 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

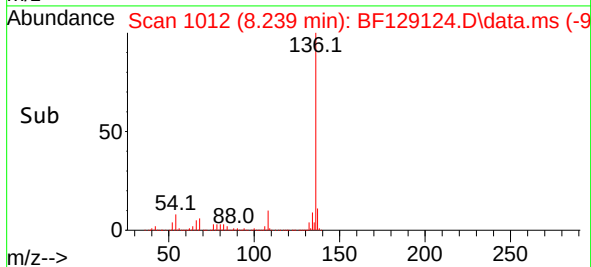
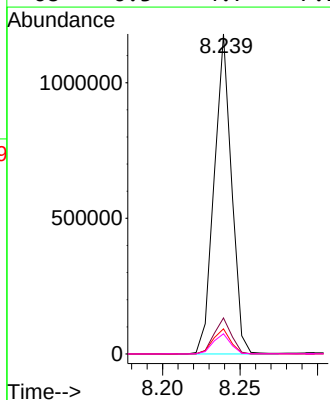
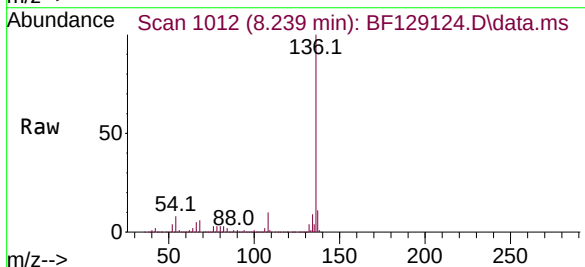
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL

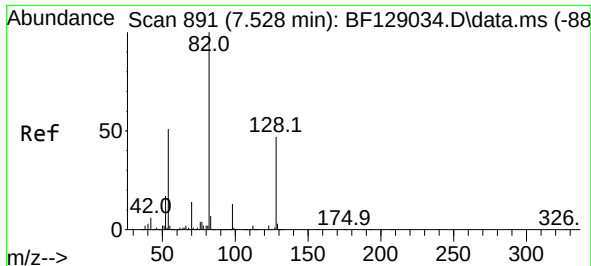
Tgt Ion: 99 Resp: 110806
Ion Ratio Lower Upper
99 100
42 15.8 17.3 25.9#
71 29.4 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Tgt Ion: 136 Resp: 921854
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.8 7.5 11.3
68 6.3 4.7 7.1





#23

Nitrobenzene-d5

Concen: 4.317 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.018 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

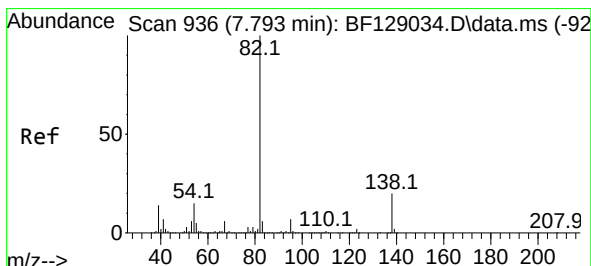
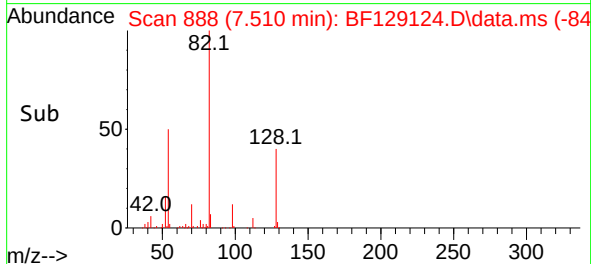
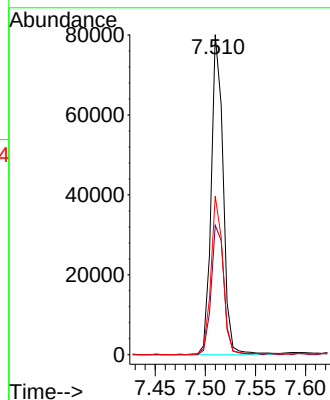
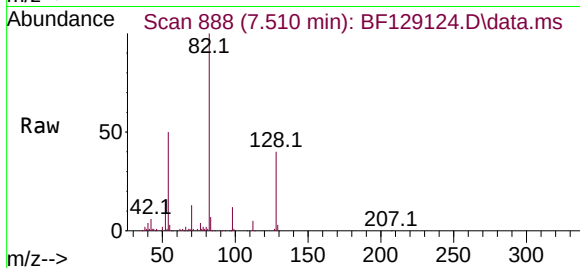
Tgt Ion: 82 Resp: 66715

Ion Ratio Lower Upper

82 100

128 40.4 34.0 51.0

54 49.6 46.9 70.3



#25

Isophorone

Concen: 2.463 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.283 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

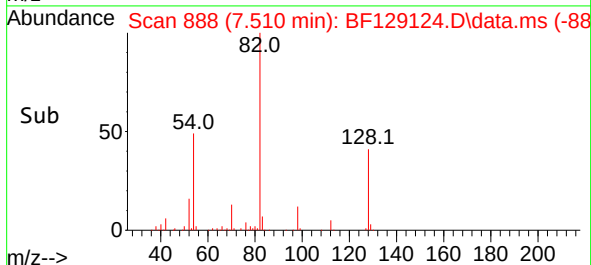
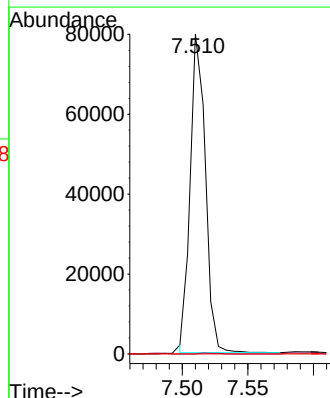
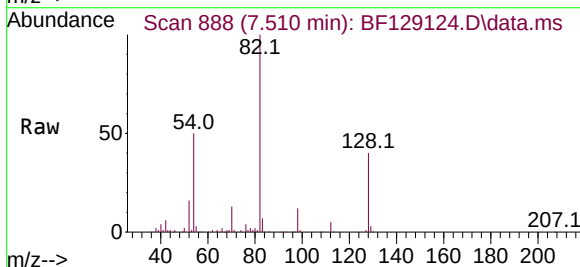
Tgt Ion: 82 Resp: 64335

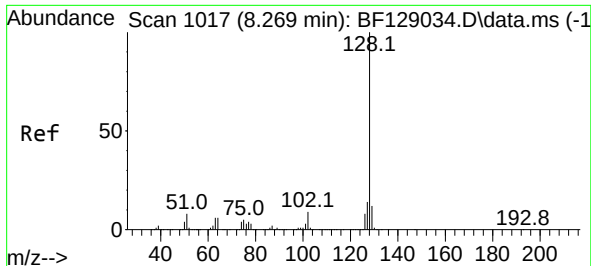
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#

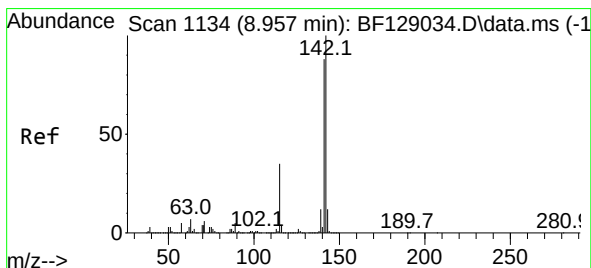
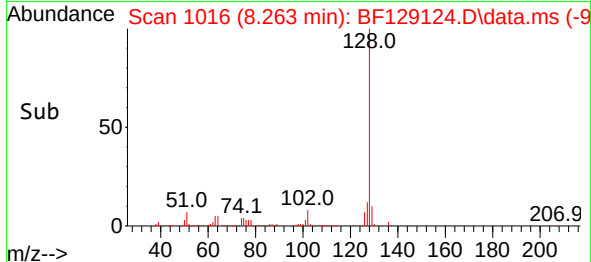
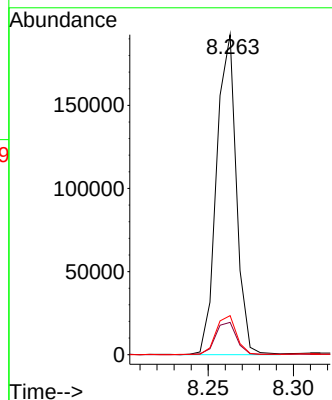
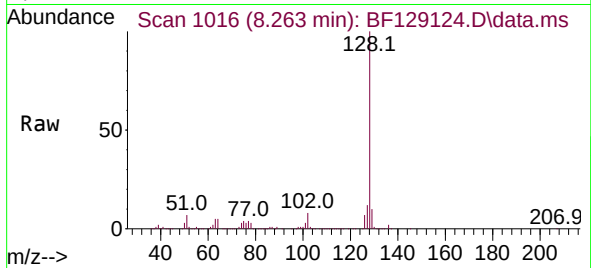




#31
Naphthalene
Concen: 3.705 ng
RT: 8.263 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

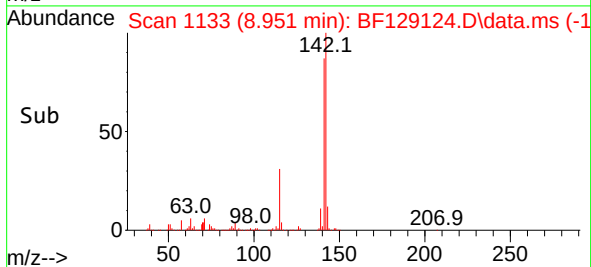
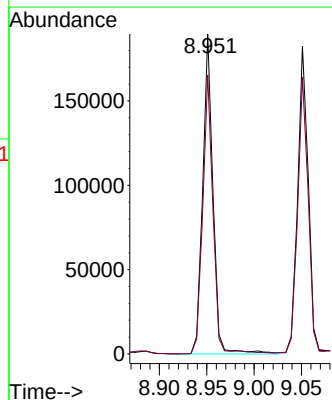
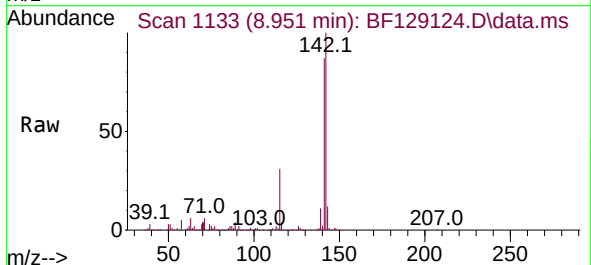
Instrument :
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OR-02-063022DL

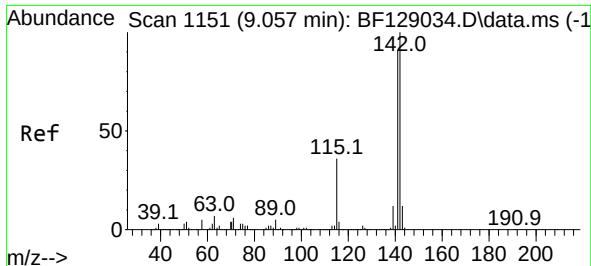
Tgt Ion:128 Resp: 155073
Ion Ratio Lower Upper
128 100
129 10.1 9.2 13.8
127 12.2 10.5 15.7



#37
2-Methylnaphthalene
Concen: 5.089 ng
RT: 8.951 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Tgt Ion:142 Resp: 143320
Ion Ratio Lower Upper
142 100
141 87.2 71.0 106.4





#38

1-Methylnaphthalene

Concen: 5.197 ng

RT: 9.051 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

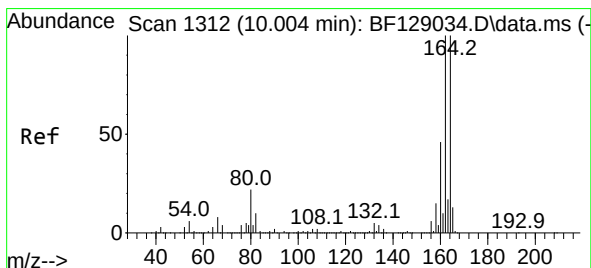
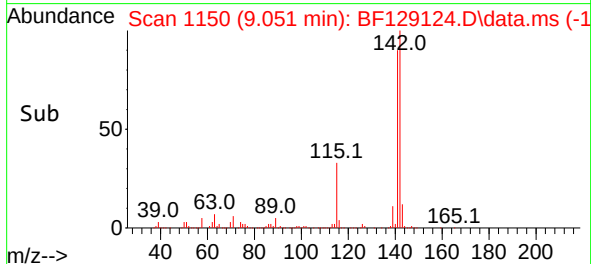
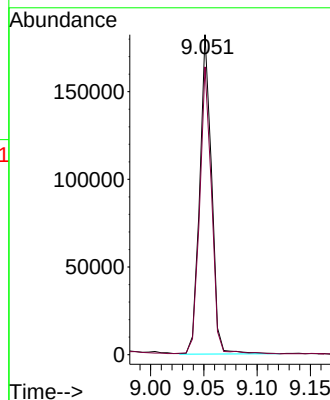
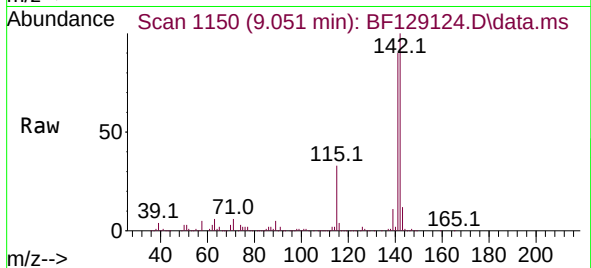
OR-02-063022DL

Tgt Ion:142 Resp: 142123

Ion Ratio Lower Upper

142 100

141 90.0 74.2 111.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

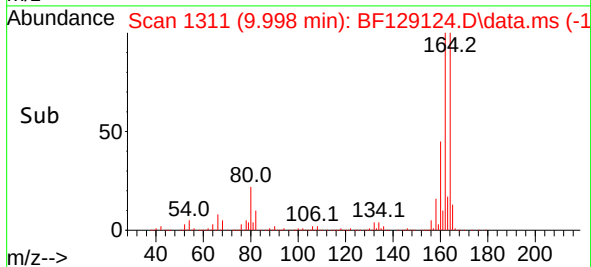
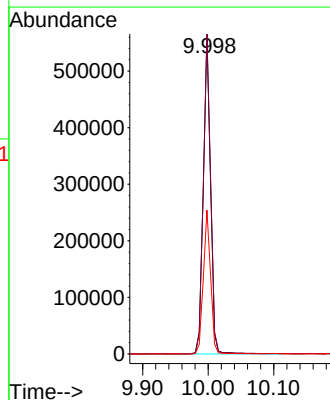
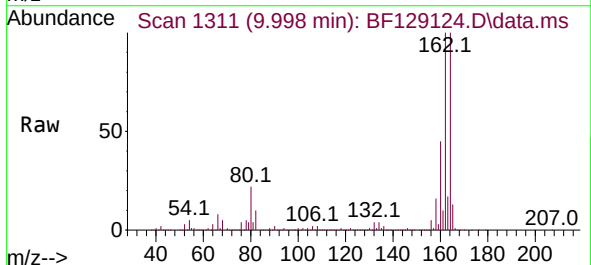
Tgt Ion:164 Resp: 435374

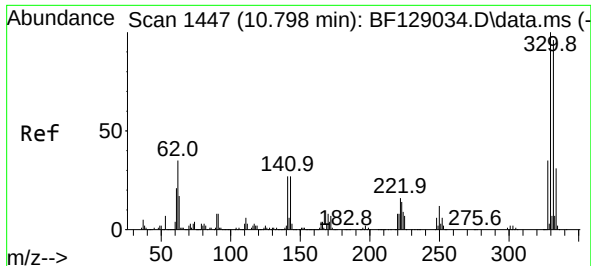
Ion Ratio Lower Upper

164 100

162 100.2 79.5 119.3

160 45.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 5.588 ng

RT: 10.786 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

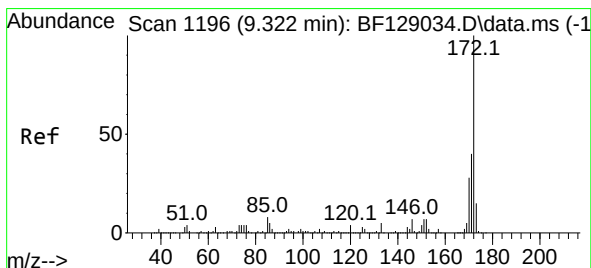
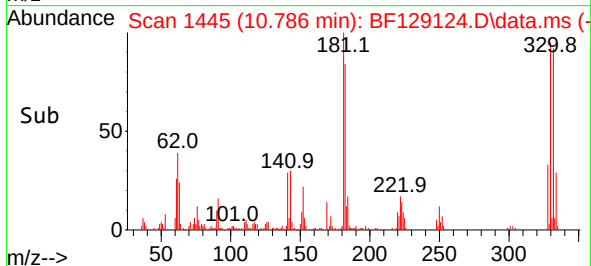
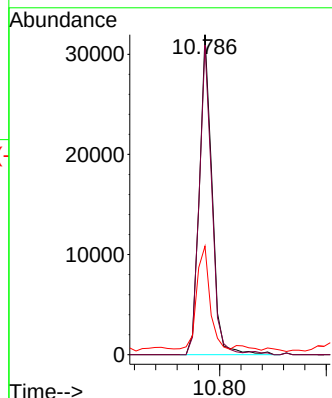
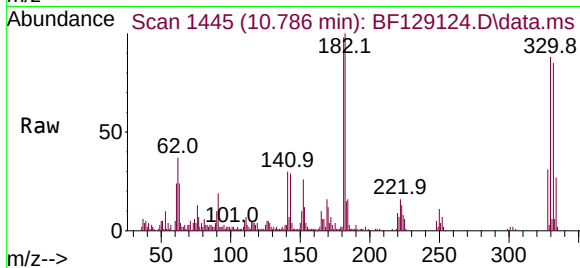
Tgt Ion:330 Resp: 26452

Ion Ratio Lower Upper

330 100

332 95.3 76.8 115.2

141 33.1 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 5.159 ng

RT: 9.310 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

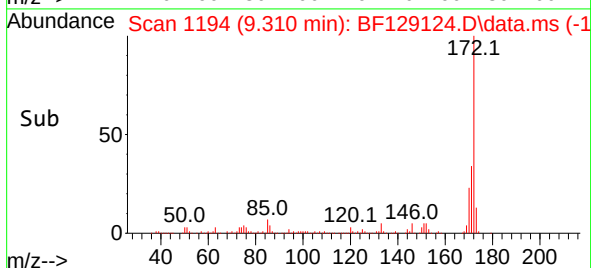
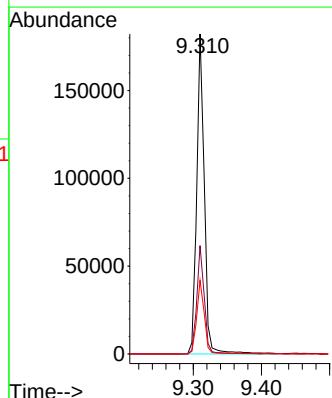
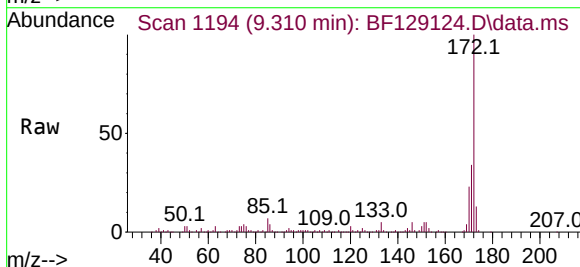
Tgt Ion:172 Resp: 140409

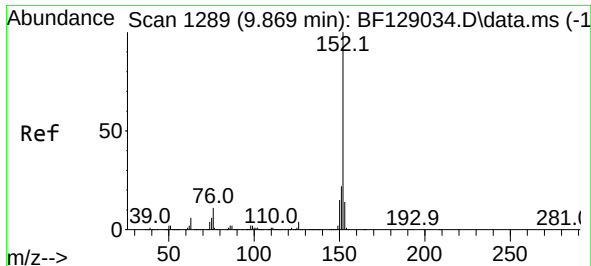
Ion Ratio Lower Upper

172 100

171 33.8 28.8 43.2

170 23.0 19.8 29.8





#49

Acenaphthylene

Concen: 2.097 ng

RT: 9.857 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF129124.D

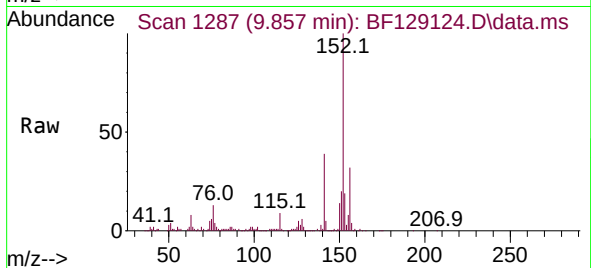
Acq: 05 Jul 2022 15:21

Instrument :

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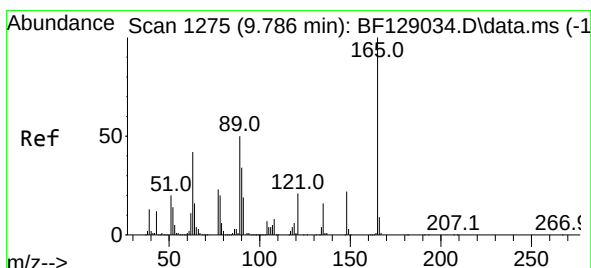
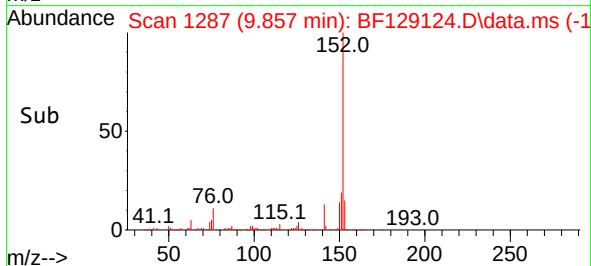
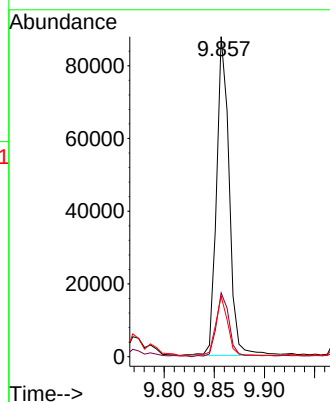
Tgt Ion:152 Resp: 77026

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 18.9 10.7 16.1#



#51

2,6-Dinitrotoluene

Concen: 10.893 ng

RT: 9.998 min Scan# 1311

Delta R.T. 0.212 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

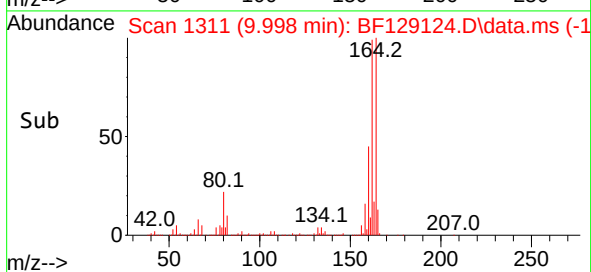
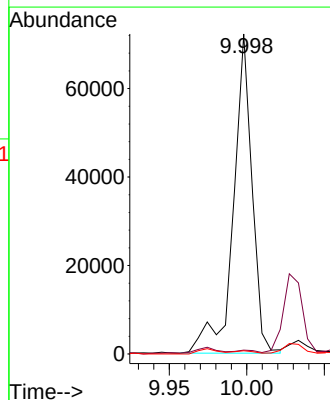
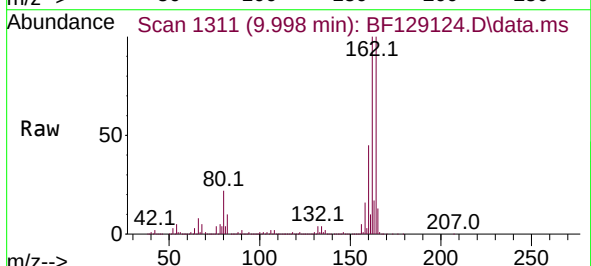
Tgt Ion:165 Resp: 60630

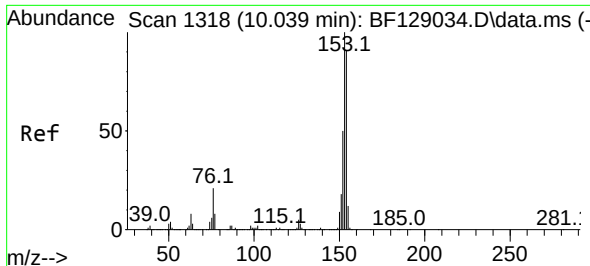
Ion Ratio Lower Upper

165 100

63 1.2 44.9 67.3#

89 1.0 43.6 65.4#

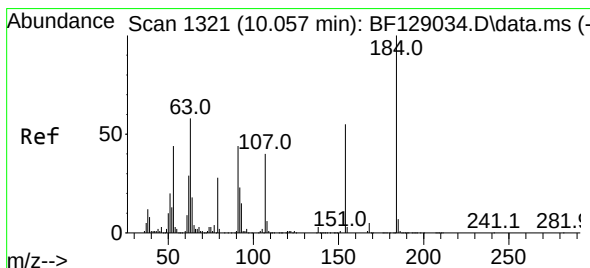
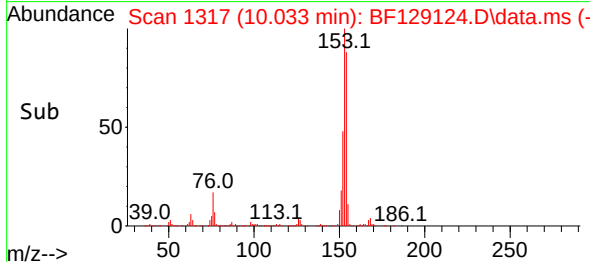
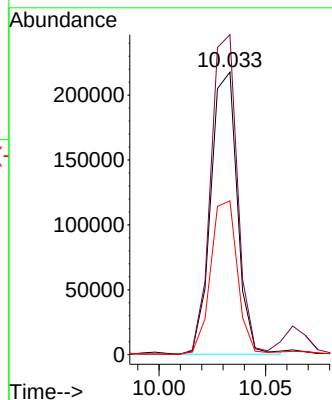
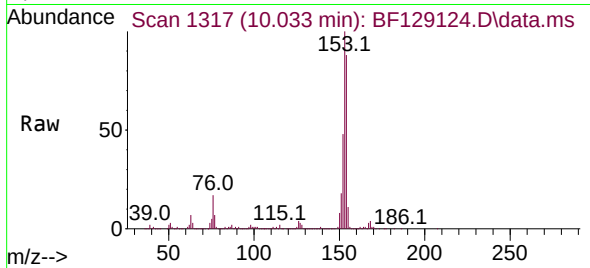




#52
Acenaphthene
Concen: 7.852 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

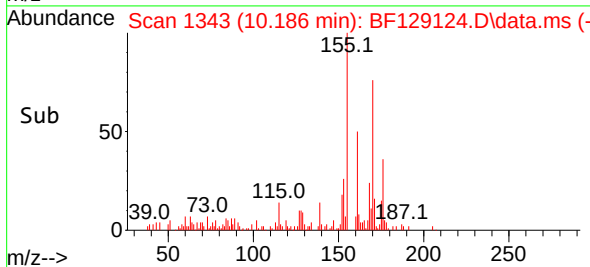
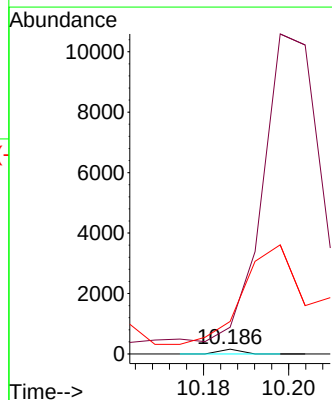
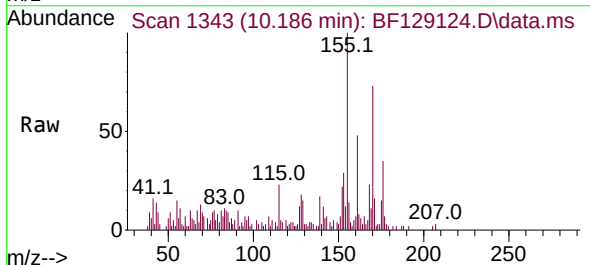
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL

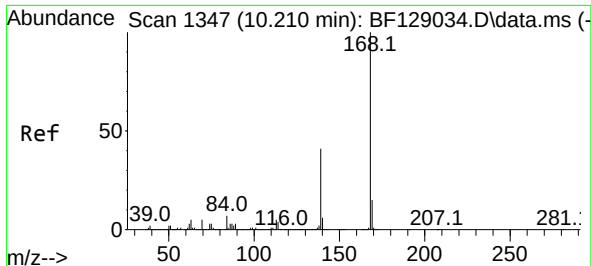
Tgt Ion:154 Resp: 187852
Ion Ratio Lower Upper
154 100
153 113.3 89.6 134.4
152 54.4 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 6.883 ng
RT: 10.186 min Scan# 1343
Delta R.T. 0.129 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 563.7 64.5 96.7#
154 684.7 50.6 75.8#

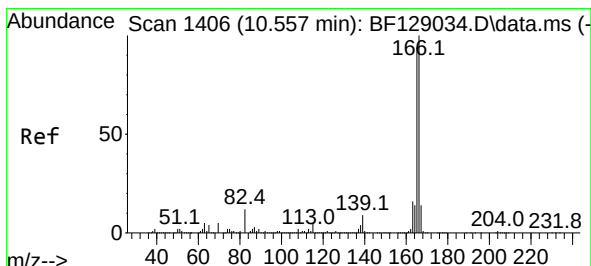
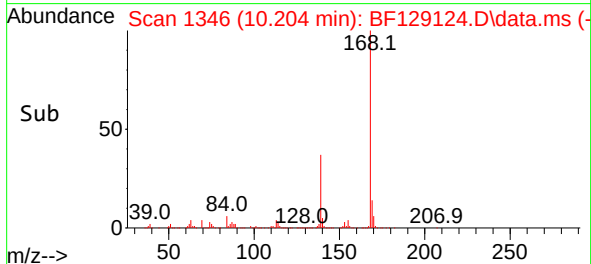
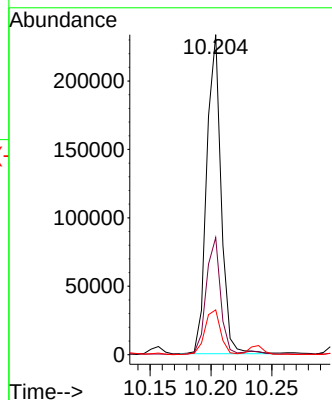
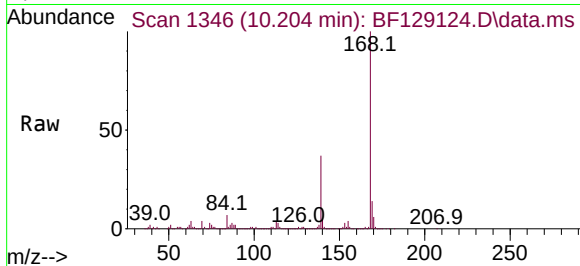




#55
Dibenzenofuran
Concen: 5.481 ng
RT: 10.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

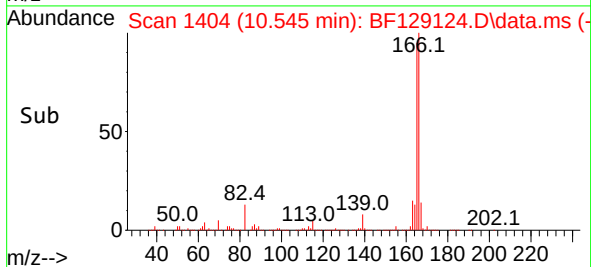
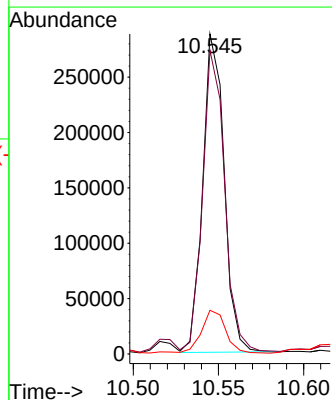
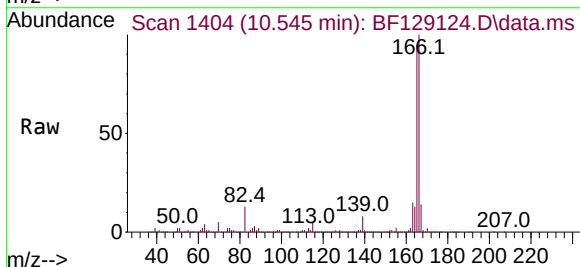
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL

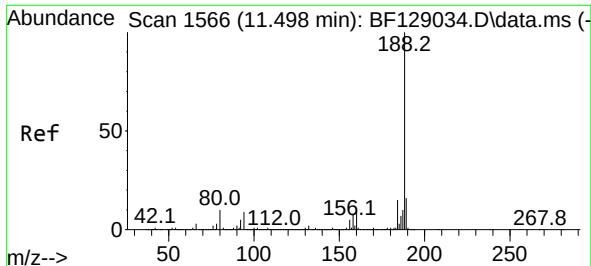
Tgt Ion:168 Resp: 190932
Ion Ratio Lower Upper
168 100
139 36.6 30.6 46.0
169 14.0 11.0 16.6



#58
Fluorene
Concen: 9.347 ng
RT: 10.545 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Tgt Ion:166 Resp: 251866
Ion Ratio Lower Upper
166 100
165 94.9 78.1 117.1
167 13.7 10.5 15.7

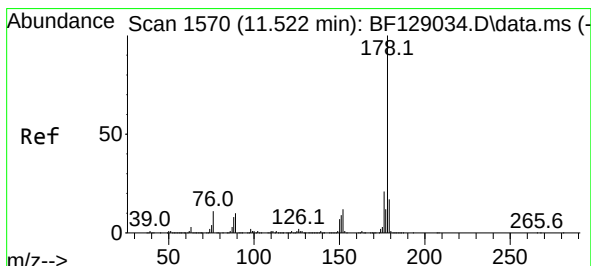
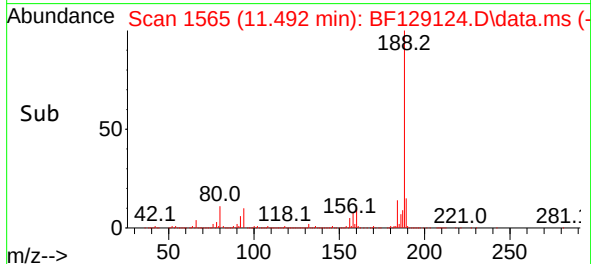
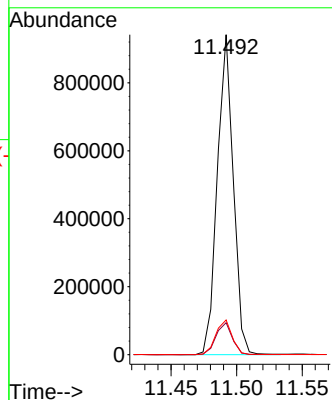
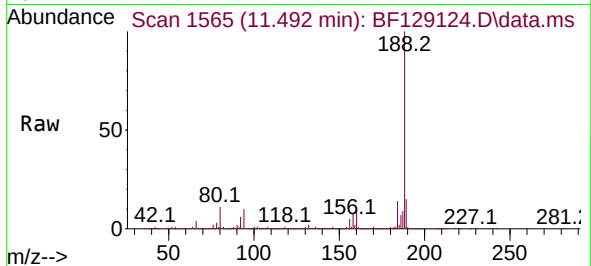




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

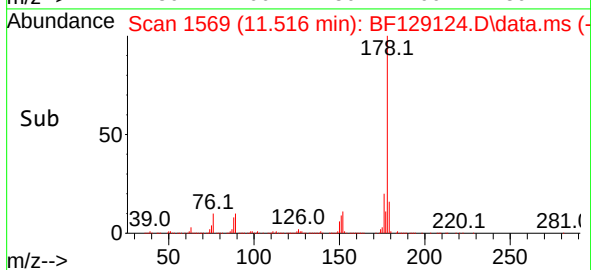
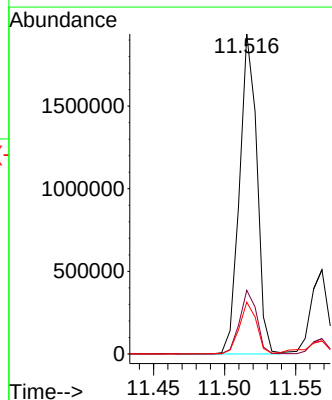
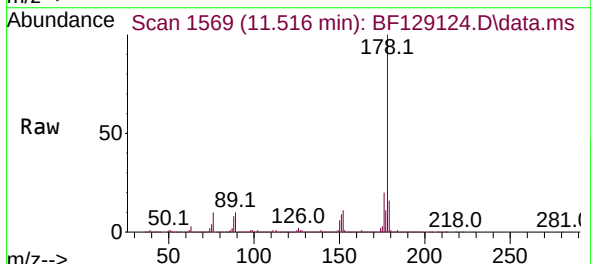
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL

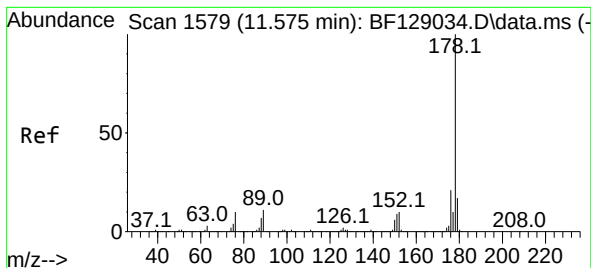
Tgt Ion:188 Resp: 797370
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.9 7.6 11.4



#71
Phenanthrene
Concen: 43.424 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Tgt Ion:178 Resp: 1654375
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.2 12.6 19.0





#72

Anthracene

Concen: 10.945 ng

RT: 11.568 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

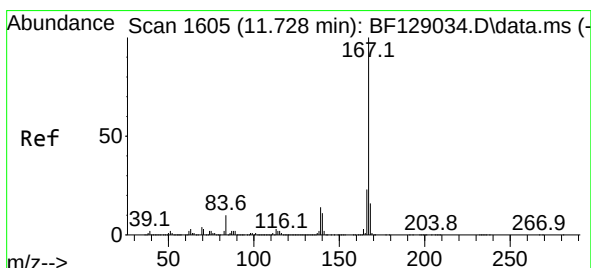
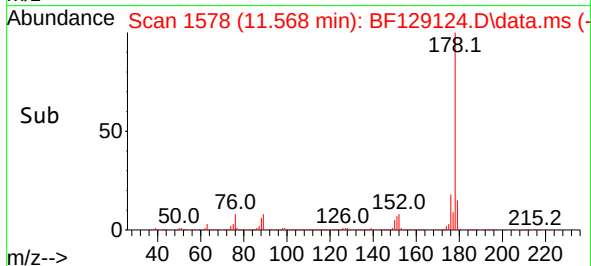
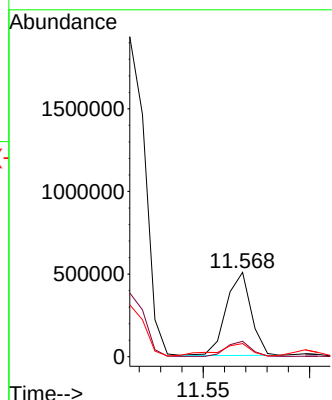
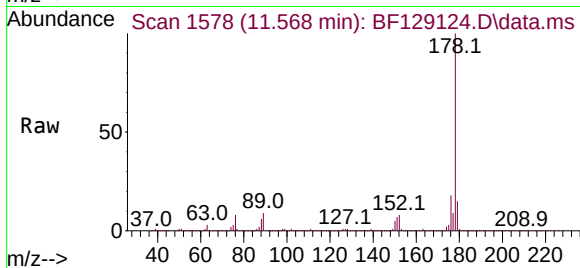
Tgt Ion:178 Resp: 411127

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

179 15.5 12.6 19.0



#73

Carbazole

Concen: 5.011 ng

RT: 11.721 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

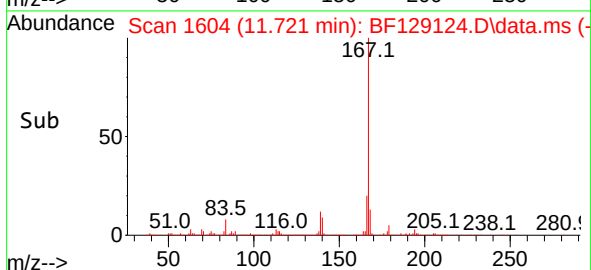
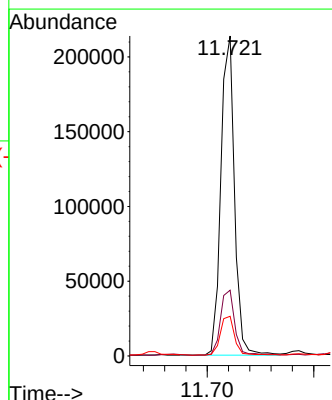
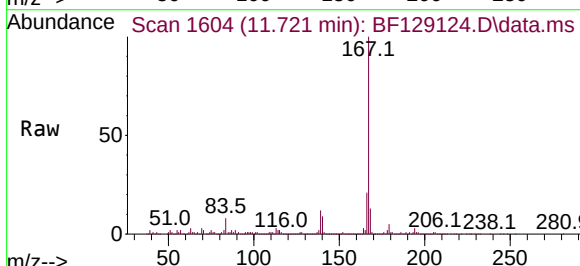
Tgt Ion:167 Resp: 188622

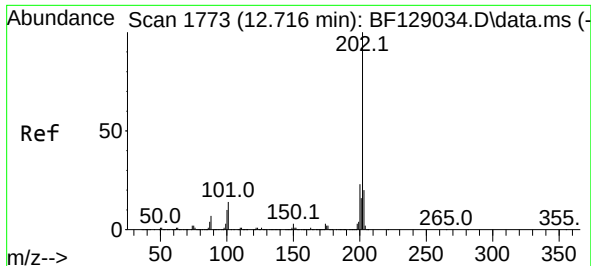
Ion Ratio Lower Upper

167 100

166 20.5 17.7 26.5

139 12.4 11.2 16.8

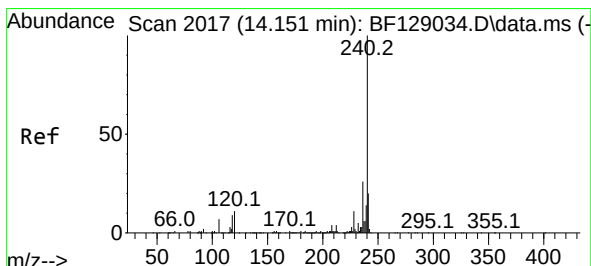
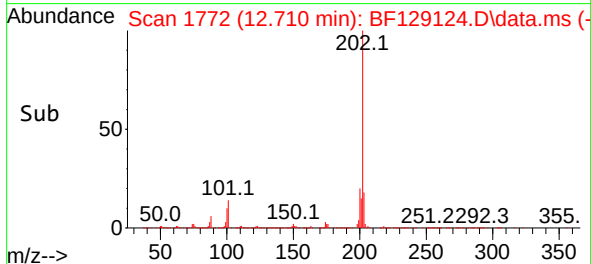
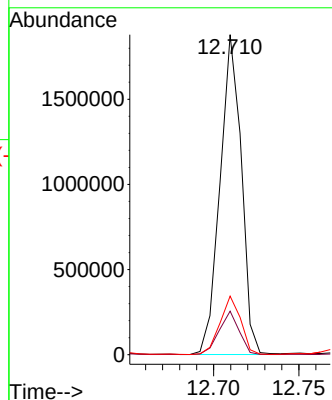
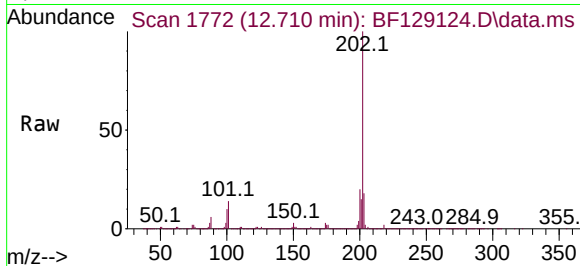




#75
Fluoranthene
Concen: 41.007 ng
RT: 12.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

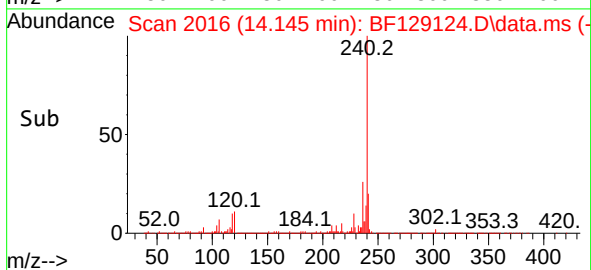
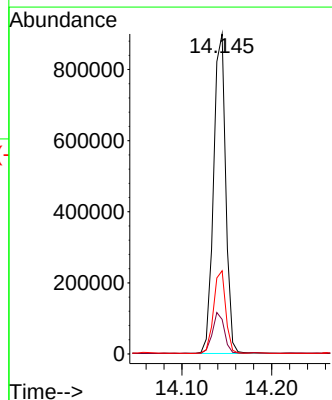
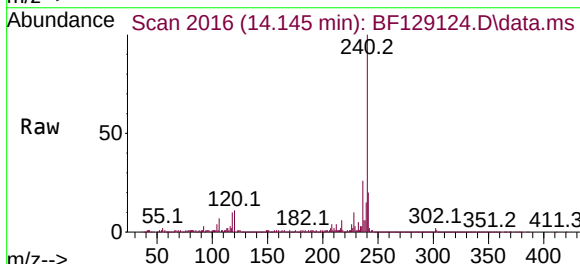
Instrument :
BNA_F
ClientSampleId :
OR-02-063022DL

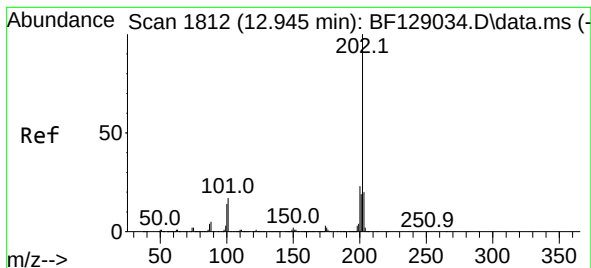
Tgt Ion:202 Resp: 1633862
Ion Ratio Lower Upper
202 100
101 13.6 0.0 31.4
203 18.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF129124.D
Acq: 05 Jul 2022 15:21

Tgt Ion:240 Resp: 846431
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 26.0 20.8 31.2





#78

Pyrene

Concen: 25.799 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

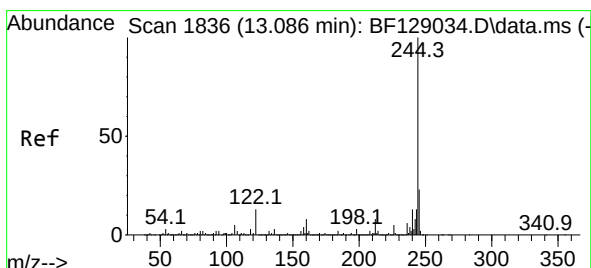
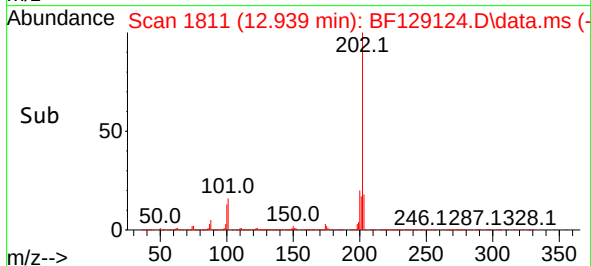
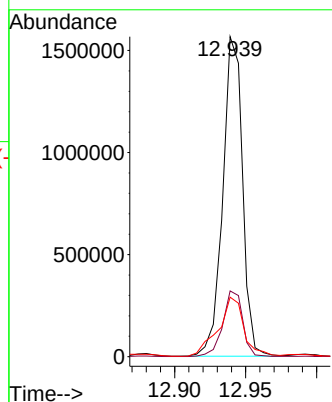
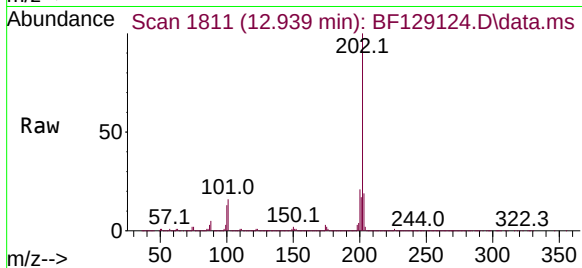
Tgt Ion:202 Resp: 1513680

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

203 18.6 14.6 21.8



#79

Terphenyl-d14

Concen: 4.485 ng

RT: 13.074 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

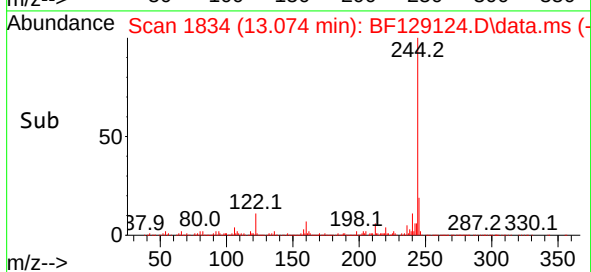
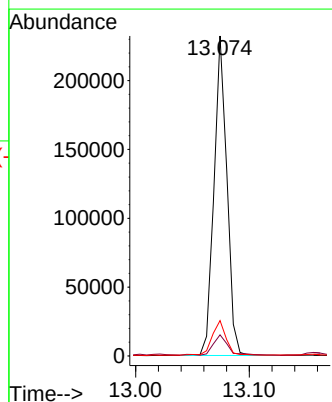
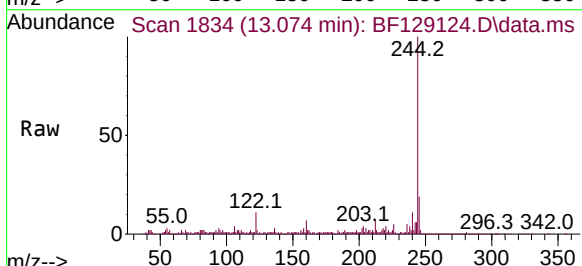
Tgt Ion:244 Resp: 182815

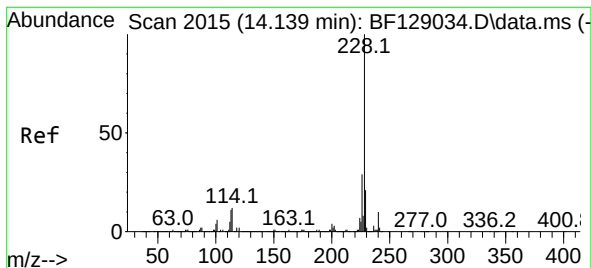
Ion Ratio Lower Upper

244 100

212 6.6 6.1 9.1

122 11.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 12.831 ng

RT: 14.133 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

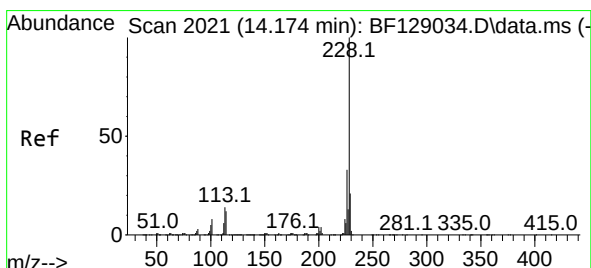
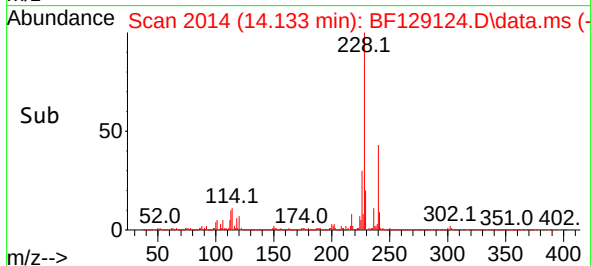
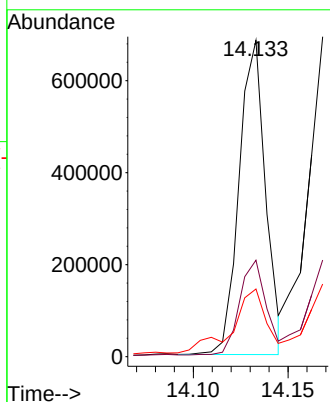
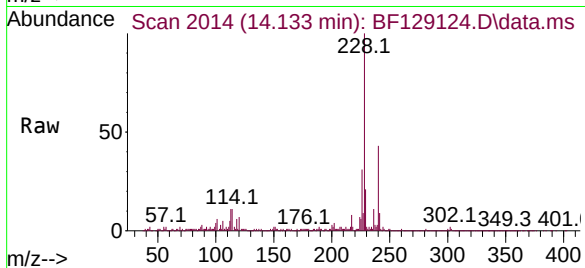
Tgt Ion:228 Resp: 663152

Ion Ratio Lower Upper

228 100

226 30.5 22.1 33.1

229 21.4 15.8 23.8



#83

Chrysene

Concen: 13.433 ng

RT: 14.168 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

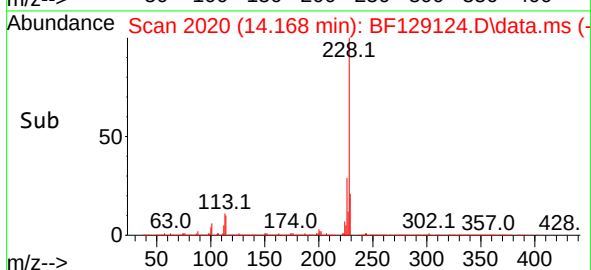
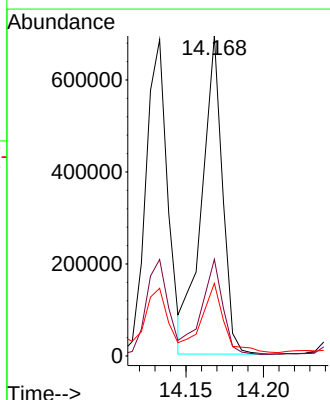
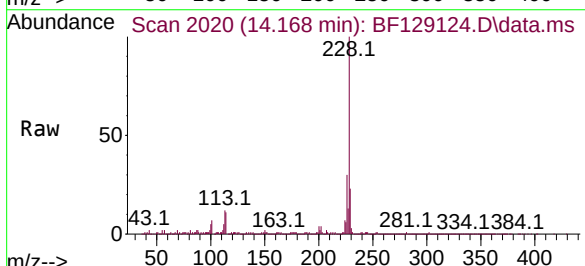
Tgt Ion:228 Resp: 644514

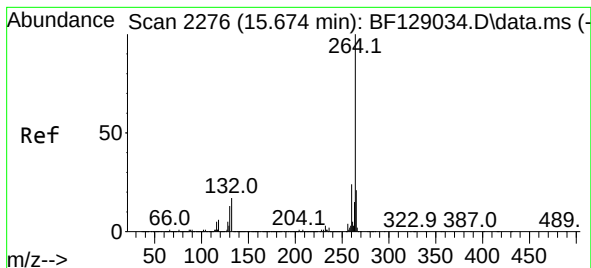
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 22.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

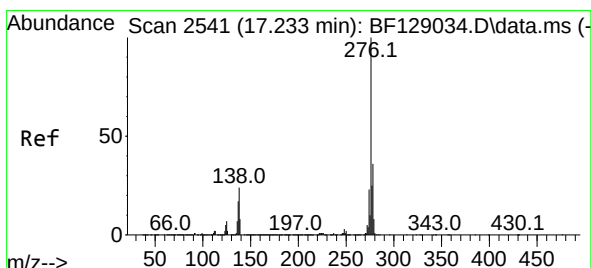
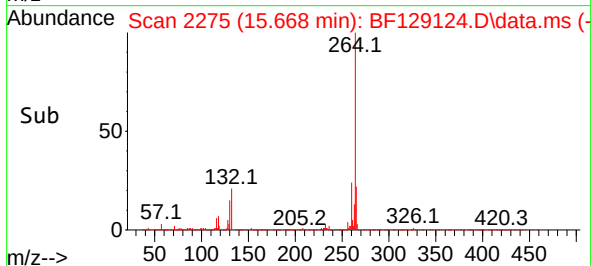
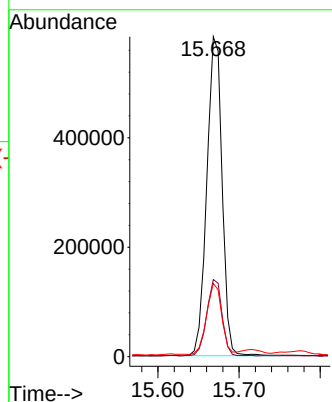
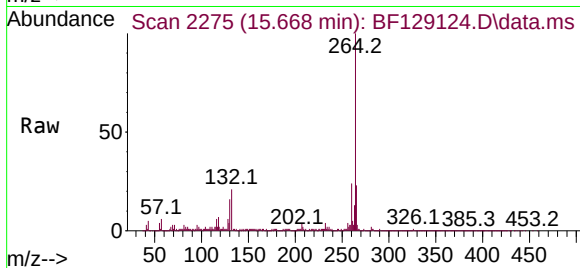
Tgt Ion:264 Resp: 760574

Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

265 22.9 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.249 ng

RT: 17.221 min Scan# 2539

Delta R.T. -0.012 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

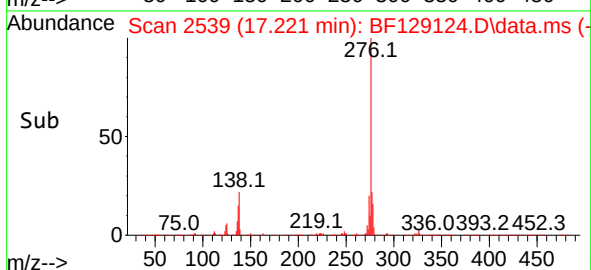
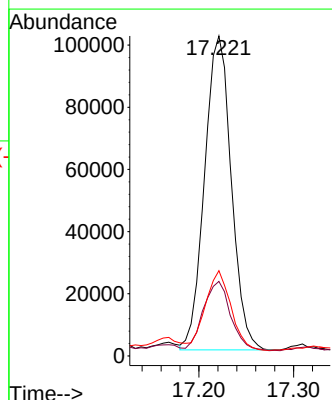
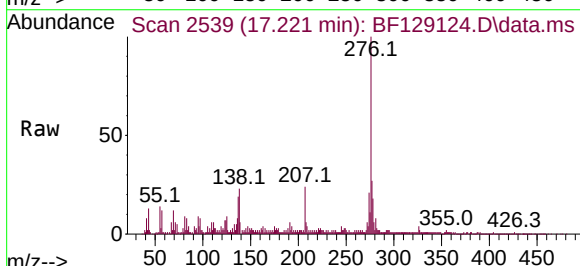
Tgt Ion:276 Resp: 198227

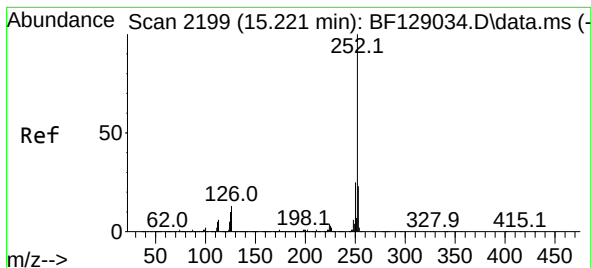
Ion Ratio Lower Upper

276 100

138 22.6 21.1 31.7

277 24.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 19.560 ng

RT: 15.215 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

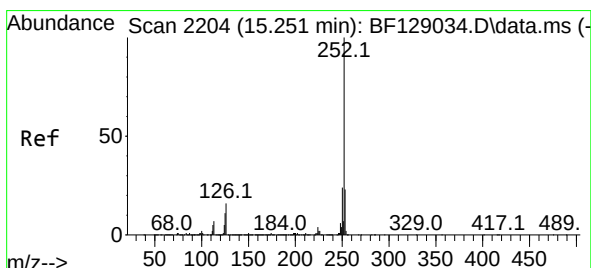
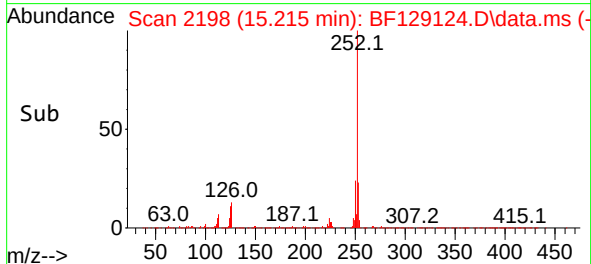
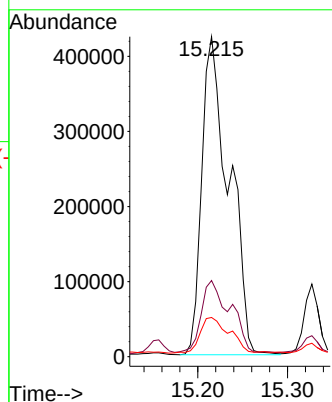
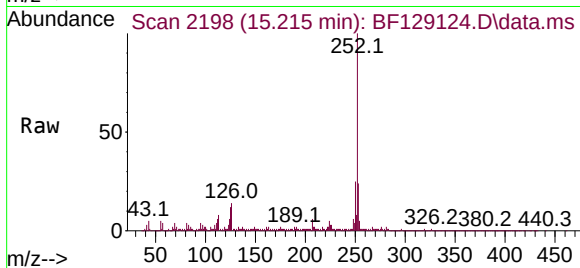
Tgt Ion:252 Resp: 894710

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 12.3 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 20.167 ng

RT: 15.215 min Scan# 2198

Delta R.T. -0.036 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

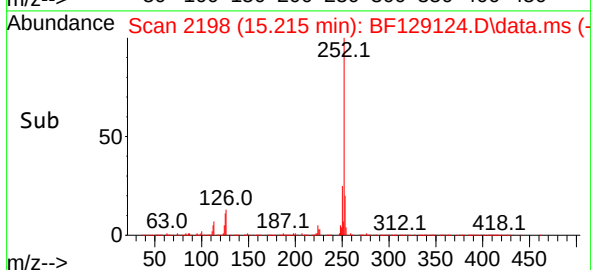
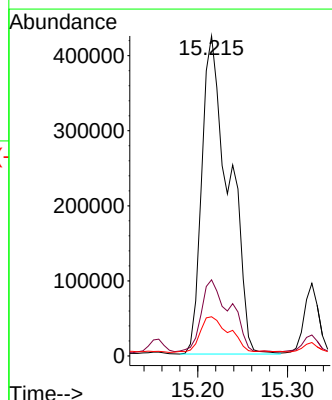
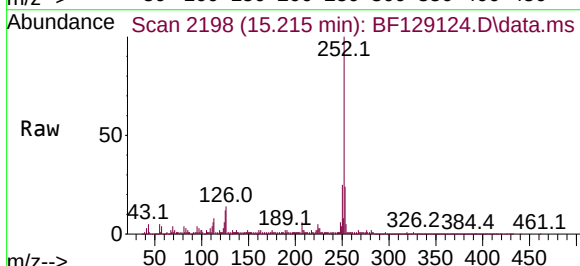
Tgt Ion:252 Resp: 894710

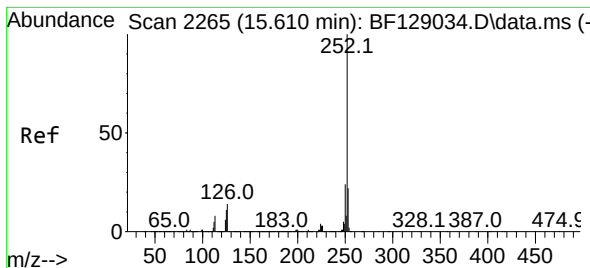
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 12.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 12.846 ng

RT: 15.598 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Instrument :

BNA_F

ClientSampleId :

OR-02-063022DL

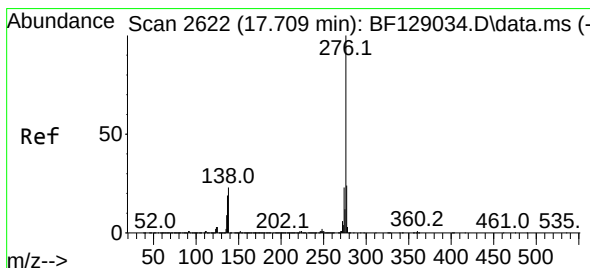
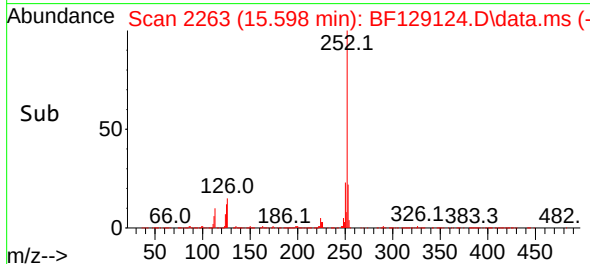
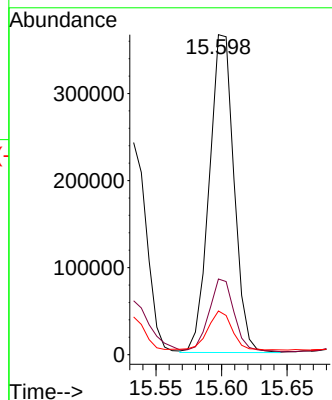
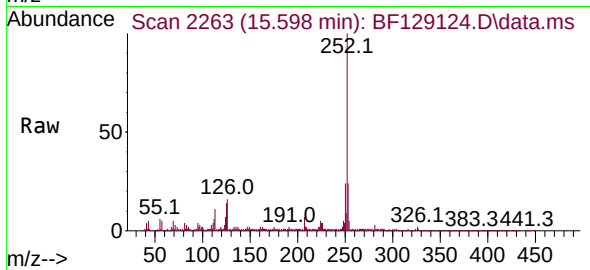
Tgt Ion:252 Resp: 479022

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

125 13.6 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 4.866 ng

RT: 17.698 min Scan# 2620

Delta R.T. -0.012 min

Lab File: BF129124.D

Acq: 05 Jul 2022 15:21

Tgt Ion:276 Resp: 185659

Ion Ratio Lower Upper

276 100

277 25.8 19.1 28.7

138 23.2 18.0 27.0

