

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129447.D
 Acq On : 29 Jul 2022 18:04
 Operator : CG\JU
 Sample : N3964-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-WATER-1

Quant Time: Jul 30 01:10:22 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)

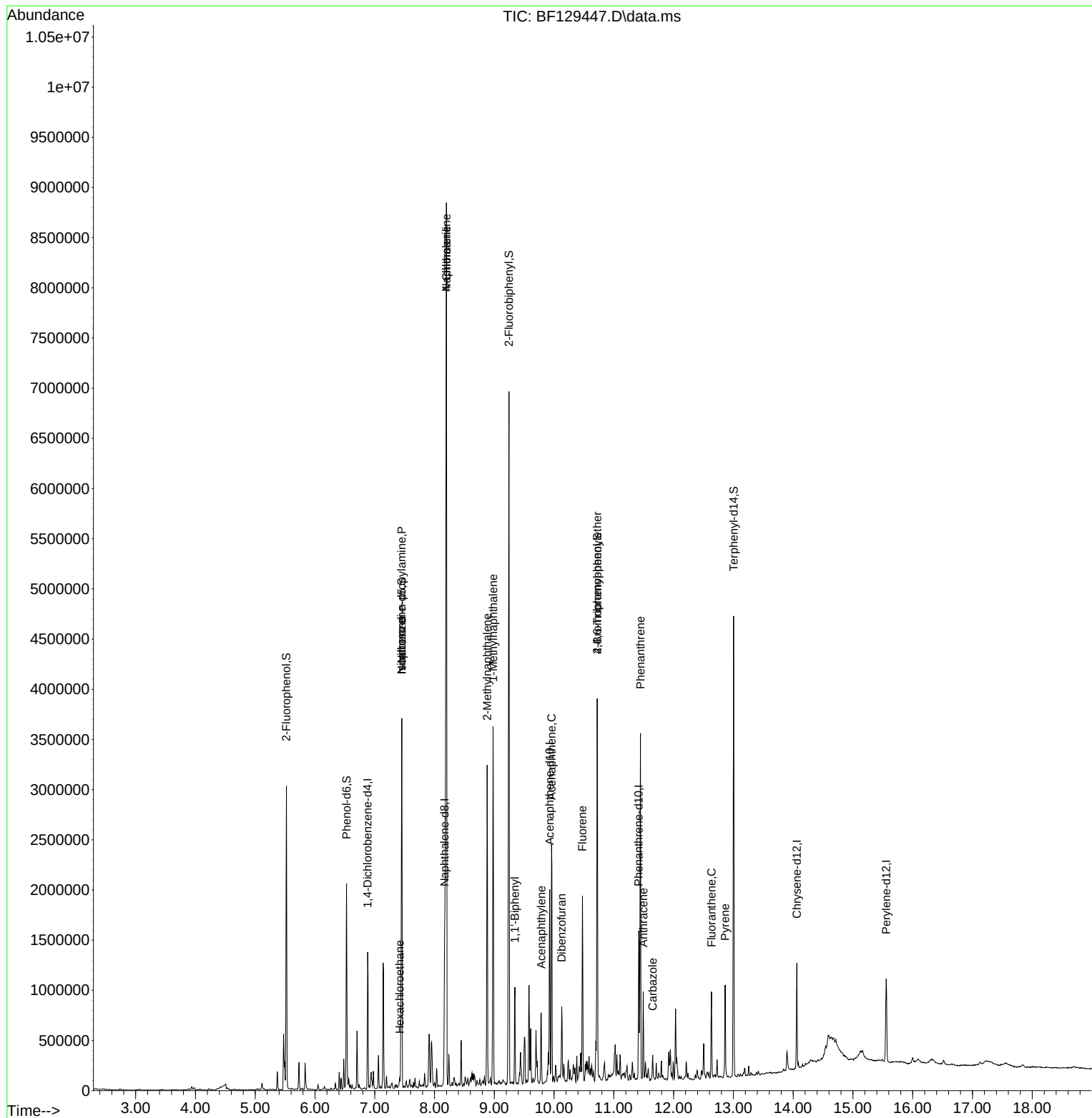
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	193201	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	754085	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	387847	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	575354	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	313106	20.000	ng	0.00
86) Perylene-d12	15.557	264	365440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	770441	64.961	ng	0.02
7) Phenol-d6	6.528	99	609896	40.912	ng	0.01
23) Nitrobenzene-d5	7.451	82	1241251	89.855	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	443810	119.020	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2063148	82.290	ng	0.00
79) Terphenyl-d14	13.004	244	1508823	90.912	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.416	117	14590	2.742	ng	# 1
19) n-Nitroso-di-n-propyla...	7.451	70	166813	18.484	ng	# 75
25) Isophorone	7.451	82	1235789	49.907	ng	# 65
31) Naphthalene	8.198	128	4627497	120.784	ng	96
33) 4-Chloroaniline	8.198	127	647682	41.177	ng	# 32
37) 2-Methylnaphthalene	8.881	142	829348	33.311	ng	99
38) 1-Methylnaphthalene	8.981	142	891415	37.089	ng	99
46) 1,1'-Biphenyl	9.345	154	285425	10.084	ng	96
49) Acenaphthylene	9.786	152	145001	4.170	ng	# 94
52) Acenaphthene	9.957	154	489478	21.554	ng	99
55) Dibenzofuran	10.128	168	161422	5.156	ng	95
58) Fluorene	10.475	166	480540	19.185	ng	99
67) 4-Bromophenyl-phenylether	10.722	248	27480	4.362	ng	# 1
71) Phenanthrene	11.445	178	1185053	37.732	ng	99
72) Anthracene	11.492	178	290099	9.399	ng	99
73) Carbazole	11.651	167	66899	2.303	ng	97
75) Fluoranthene	12.633	202	300631	9.447	ng	99
78) Pyrene	12.863	202	348071	13.294	ng	97

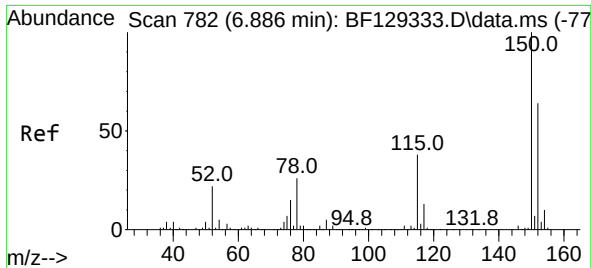
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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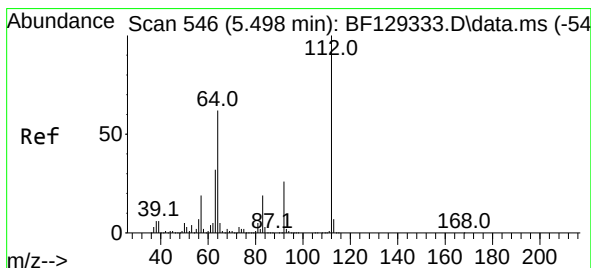
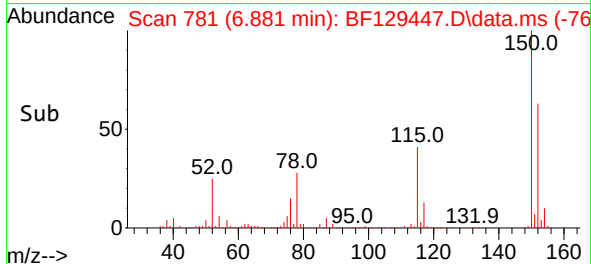
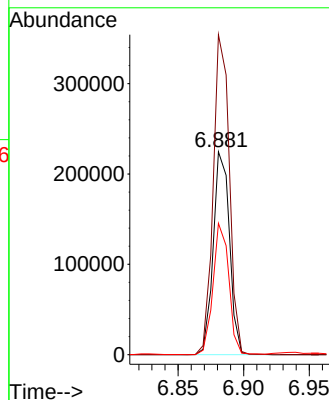
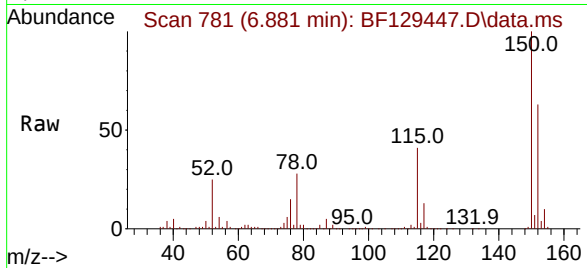




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

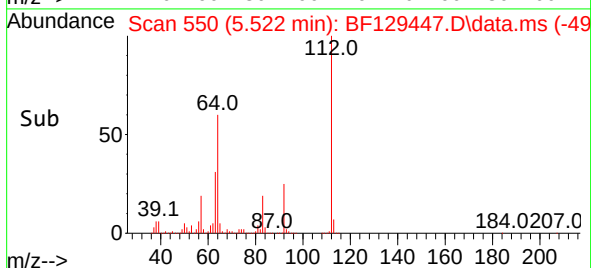
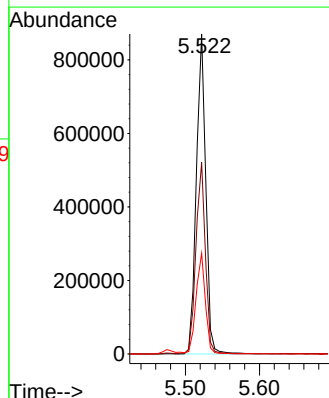
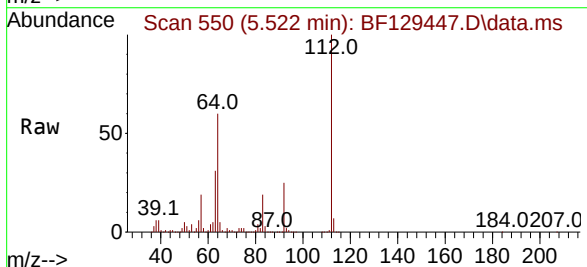
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-1

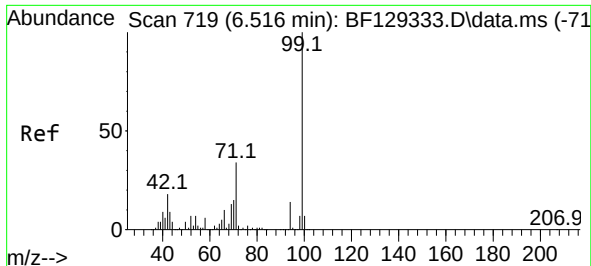
Tgt Ion:152 Resp: 193201
Ion Ratio Lower Upper
152 100
150 157.8 123.7 185.5
115 64.8 49.9 74.9



#5
2-Fluorophenol
Concen: 64.961 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.024 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

Tgt Ion:112 Resp: 770441
Ion Ratio Lower Upper
112 100
64 59.9 53.3 79.9
63 31.4 28.0 42.0

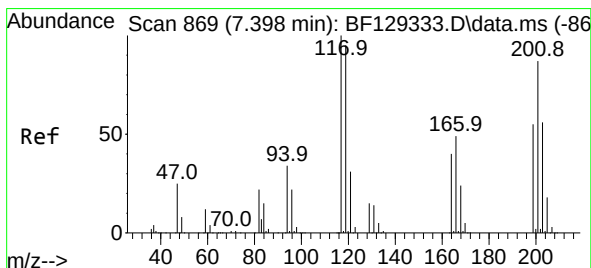
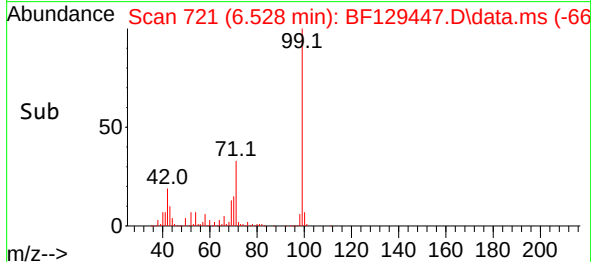
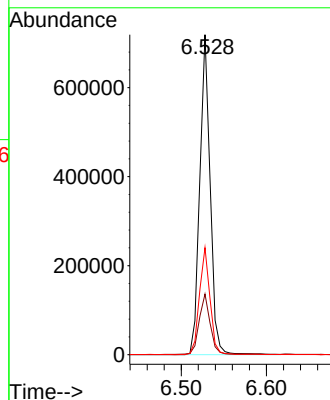
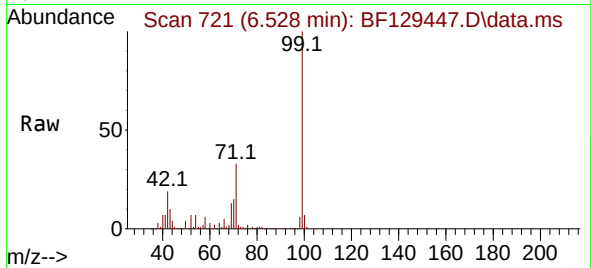




#7
Phenol-d6
Concen: 40.912 ng
RT: 6.528 min Scan# 719
Delta R.T. 0.012 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

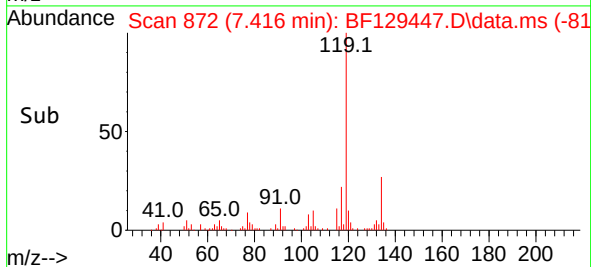
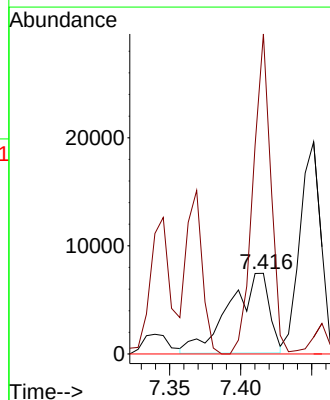
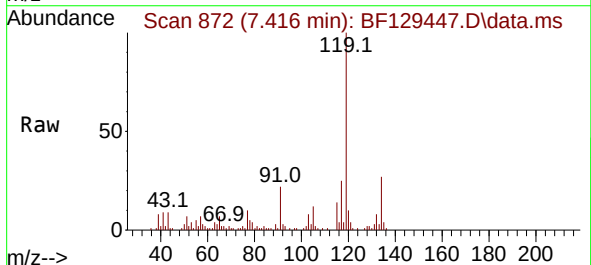
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-1

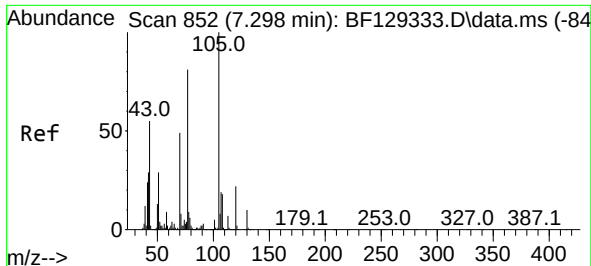
Tgt Ion: 99 Resp: 609896
Ion Ratio Lower Upper
99 100
42 19.0 17.3 25.9
71 33.5 28.9 43.3



#18
Hexachloroethane
Concen: 2.742 ng
RT: 7.416 min Scan# 872
Delta R.T. 0.018 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

Tgt Ion: 117 Resp: 14590
Ion Ratio Lower Upper
117 100
119 396.8 77.4 116.2#
201 0.0 84.6 127.0#

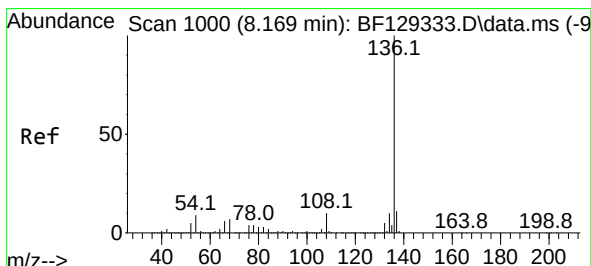
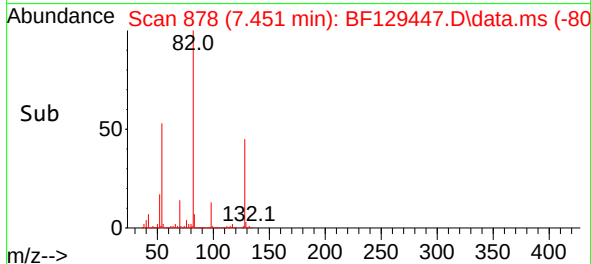
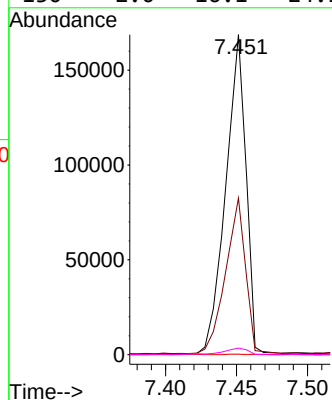
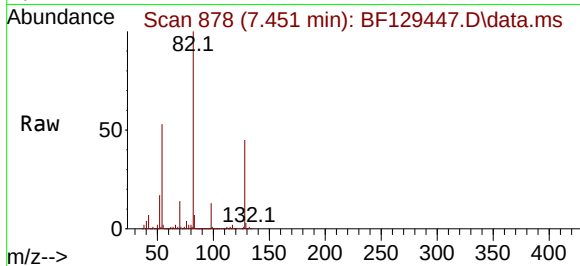




#19
n-Nitroso-di-n-propylamine
Concen: 18.484 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.153 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

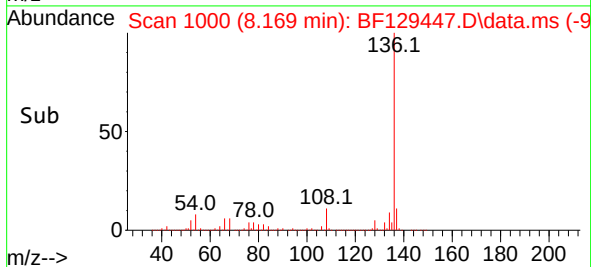
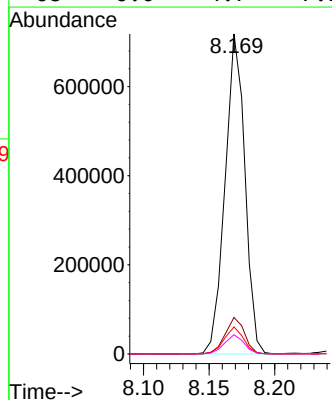
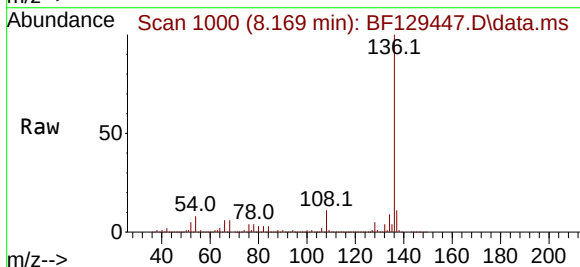
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-1

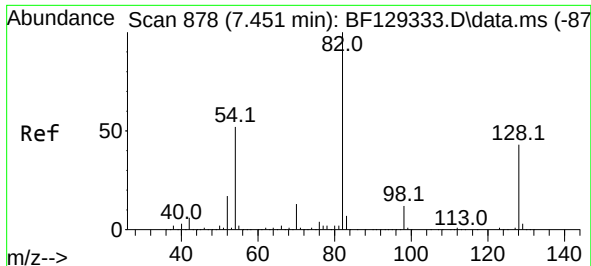
Tgt Ion: 70 Resp: 166813
Ion Ratio Lower Upper
70 100
42 49.0 52.3 78.5#
101 0.1 7.5 11.3#
130 2.0 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

Tgt Ion:136 Resp: 754085
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.4 7.5 11.3
68 6.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 89.855 ng

RT: 7.451 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-1

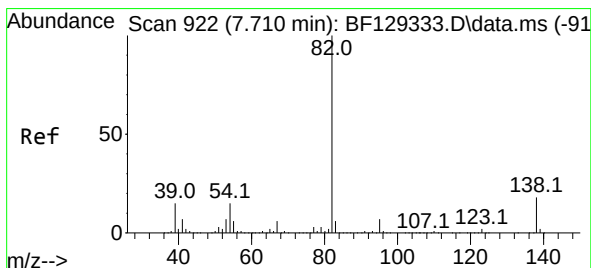
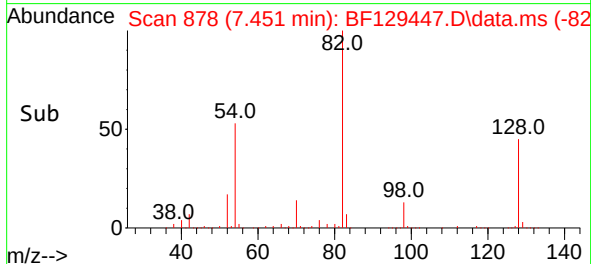
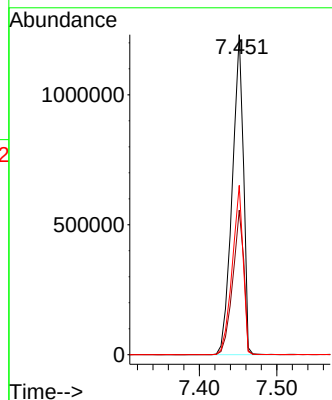
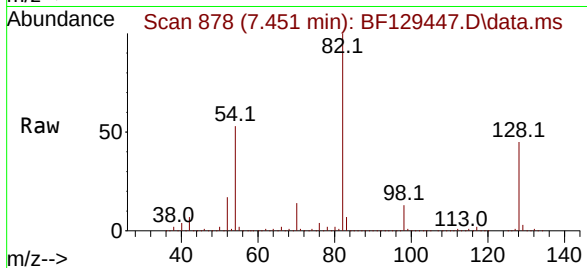
Tgt Ion: 82 Resp: 1241251

Ion Ratio Lower Upper

82 100

128 45.1 34.0 51.0

54 52.9 46.9 70.3



#25

Isophorone

Concen: 49.907 ng

RT: 7.451 min Scan# 878

Delta R.T. -0.259 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

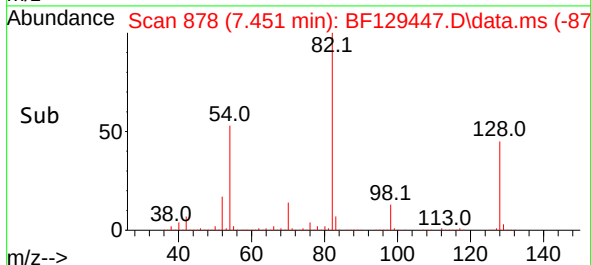
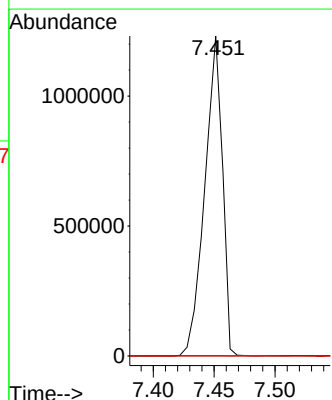
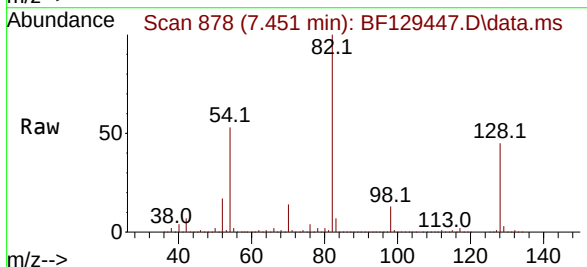
Tgt Ion: 82 Resp: 1235789

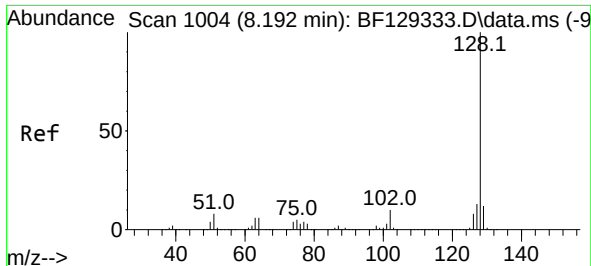
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#





#31

Naphthalene

Concen: 120.784 ng

RT: 8.198 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-1

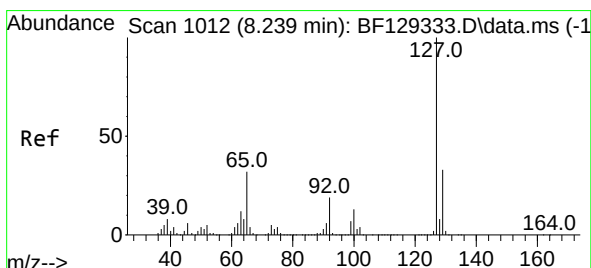
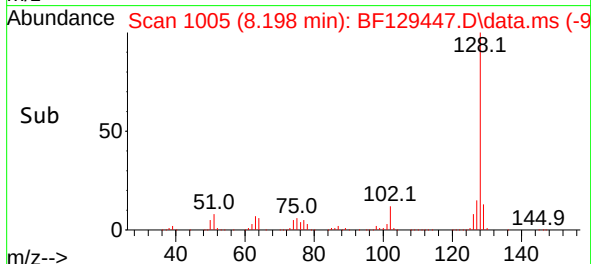
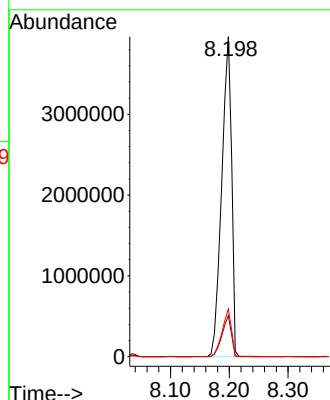
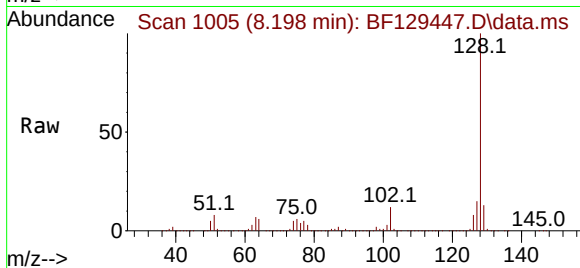
Tgt Ion:128 Resp: 4627497

Ion Ratio Lower Upper

128 100

129 12.8 9.2 13.8

127 14.9 10.5 15.7



#33

4-Chloroaniline

Concen: 41.177 ng

RT: 8.198 min Scan# 1005

Delta R.T. -0.041 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

Tgt Ion:127 Resp: 647682

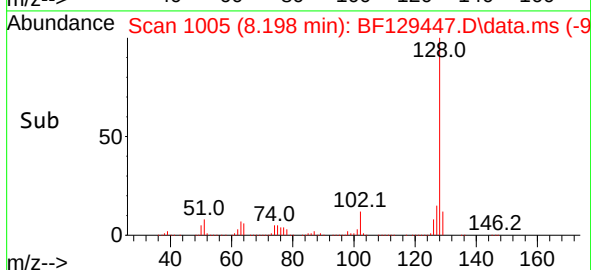
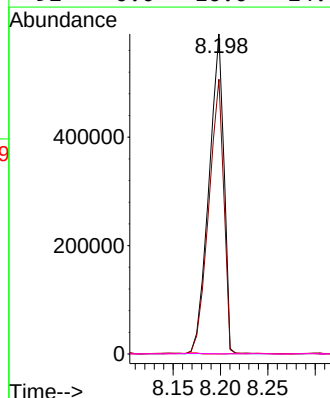
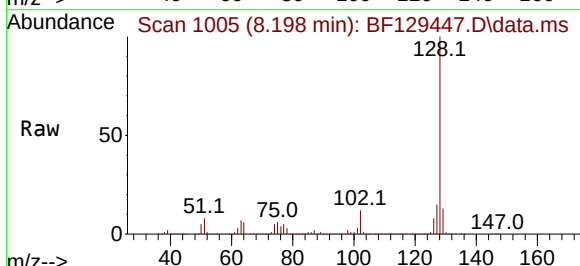
Ion Ratio Lower Upper

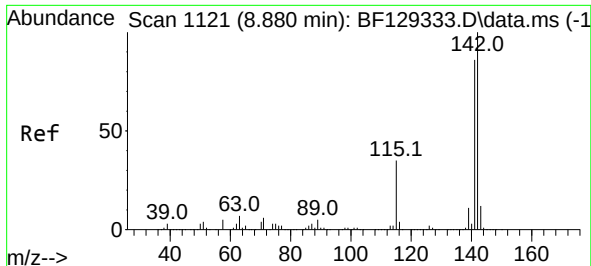
127 100

129 85.9 26.4 39.6#

65 0.0 26.4 39.6#

92 0.0 16.0 24.0#





#37

2-Methylnaphthalene

Concen: 33.311 ng

RT: 8.881 min Scan# 1121

Delta R.T. 0.000 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

Instrument :

BNA_F

ClientSampleId :

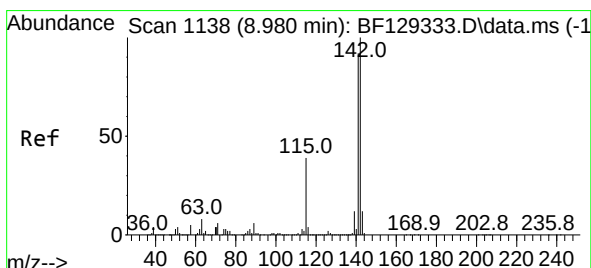
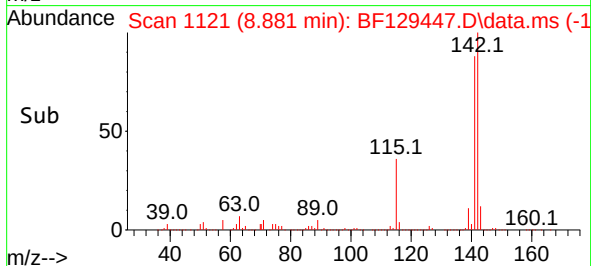
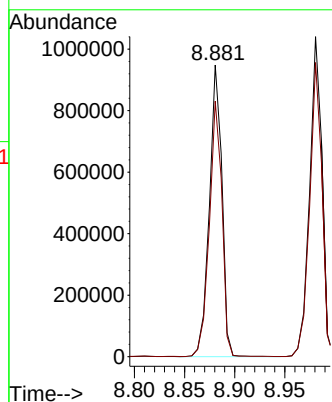
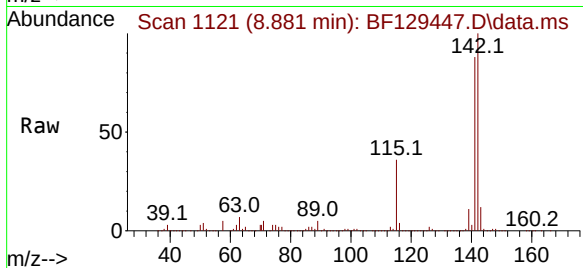
HMGP-WATER-1

Tgt Ion:142 Resp: 829348

Ion Ratio Lower Upper

142 100

141 87.6 71.0 106.4



#38

1-Methylnaphthalene

Concen: 37.089 ng

RT: 8.981 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF129447.D

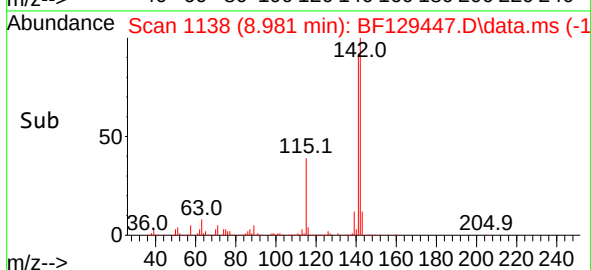
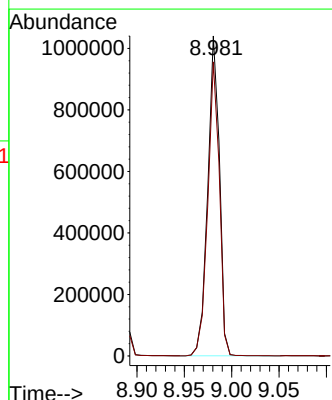
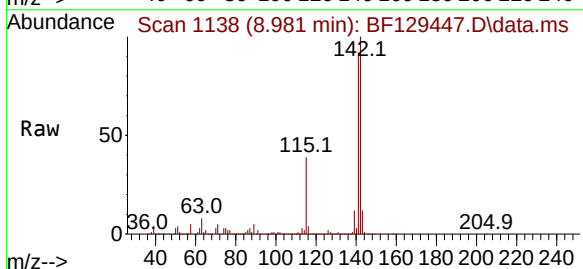
Acq: 29 Jul 2022 18:04

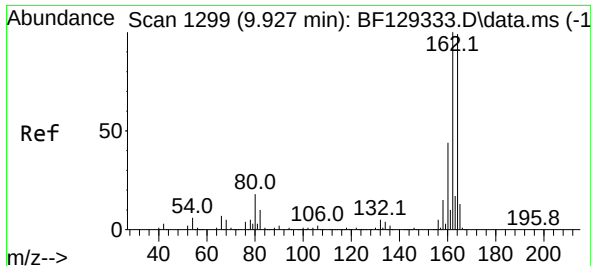
Tgt Ion:142 Resp: 891415

Ion Ratio Lower Upper

142 100

141 91.9 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-1

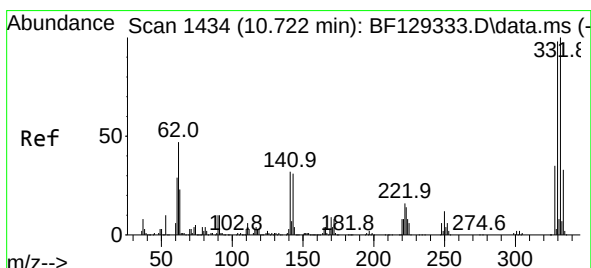
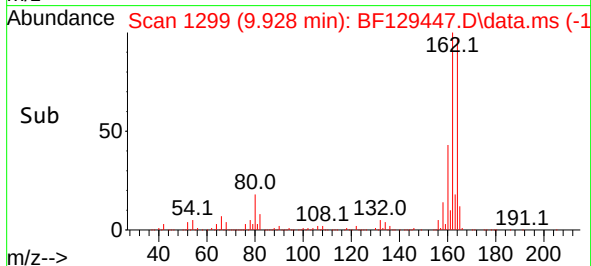
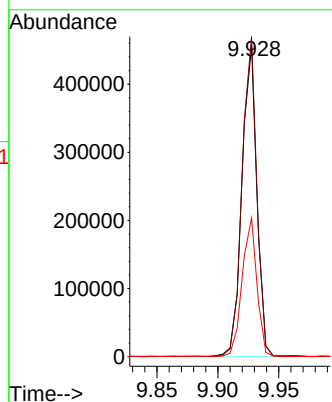
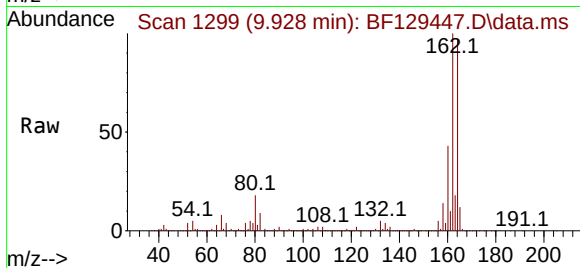
Tgt Ion:164 Resp: 387847

Ion Ratio Lower Upper

164 100

162 102.9 79.5 119.3

160 44.6 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 119.020 ng

RT: 10.722 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

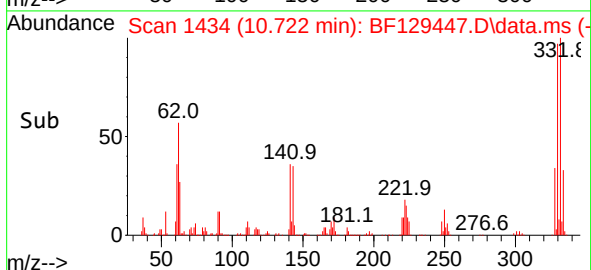
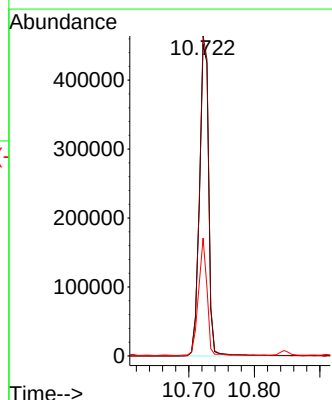
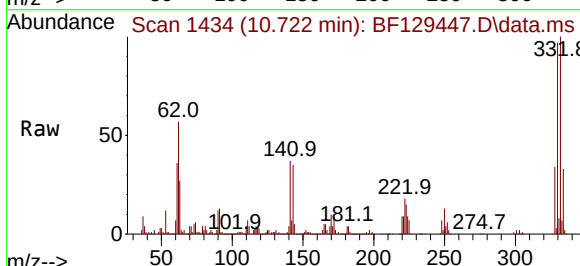
Tgt Ion:330 Resp: 443810

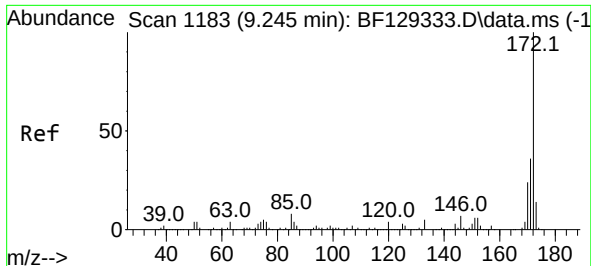
Ion Ratio Lower Upper

330 100

332 102.0 76.8 115.2

141 34.5 28.0 42.0

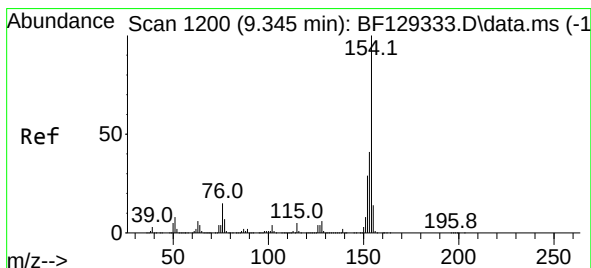
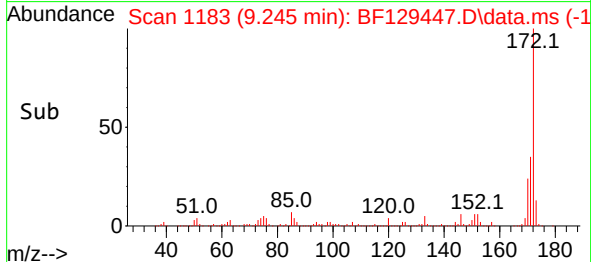
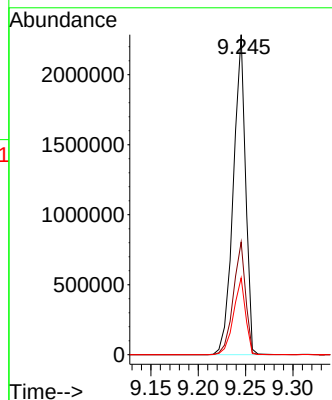
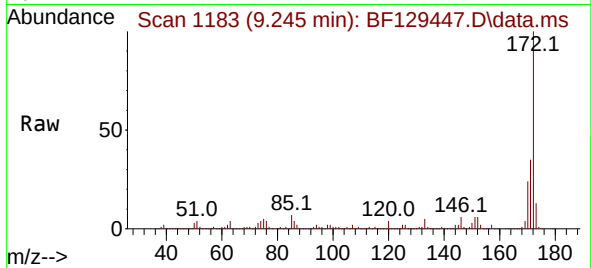




#45
2-Fluorobiphenyl
Concen: 82.290 ng
RT: 9.245 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

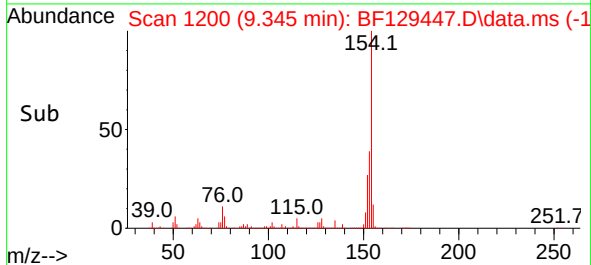
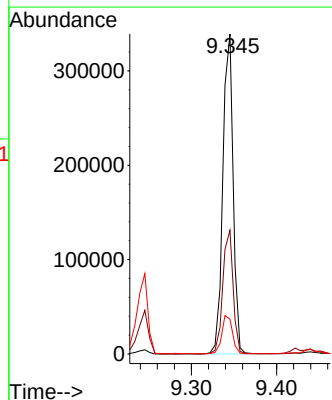
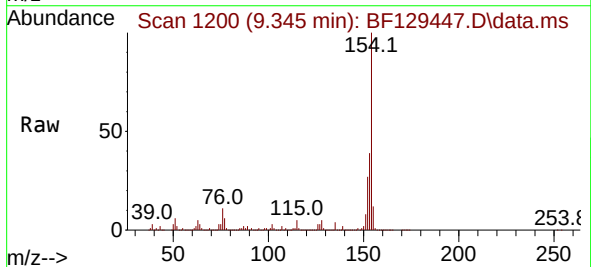
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-1

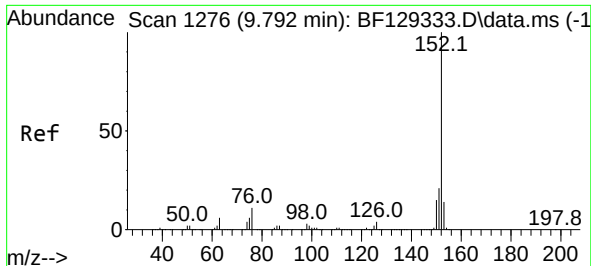
Tgt Ion:172 Resp: 2063148
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 24.0 19.8 29.8



#46
1,1'-Biphenyl
Concen: 10.084 ng
RT: 9.345 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

Tgt Ion:154 Resp: 285425
Ion Ratio Lower Upper
154 100
153 38.6 20.6 60.6
76 10.9 0.0 33.3





#49

Acenaphthylene

Concen: 4.170 ng

RT: 9.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-1

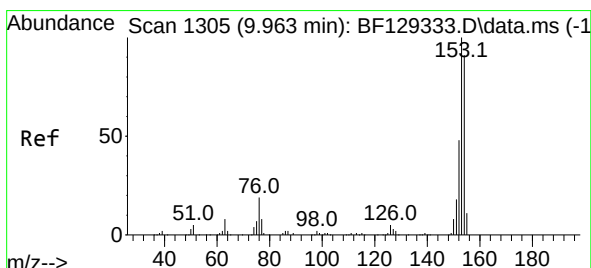
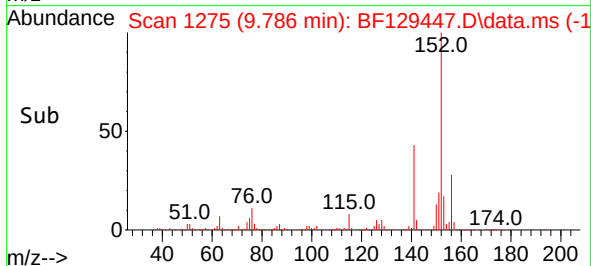
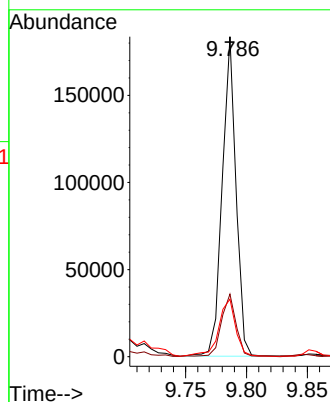
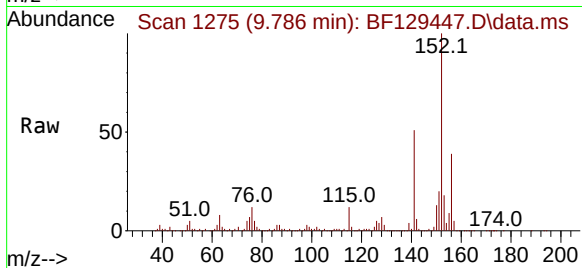
Tgt Ion:152 Resp: 145001

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4

153 18.0 10.7 16.1#



#52

Acenaphthene

Concen: 21.554 ng

RT: 9.957 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

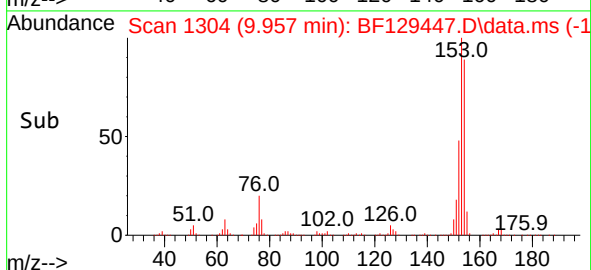
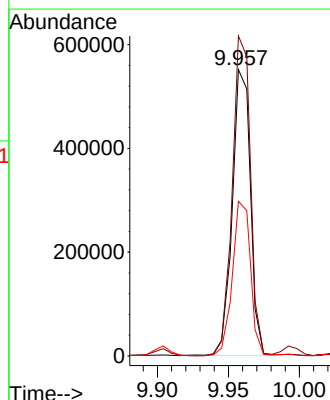
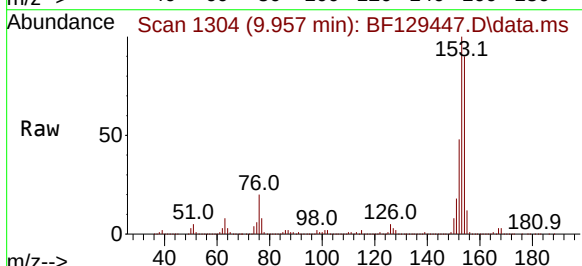
Tgt Ion:154 Resp: 489478

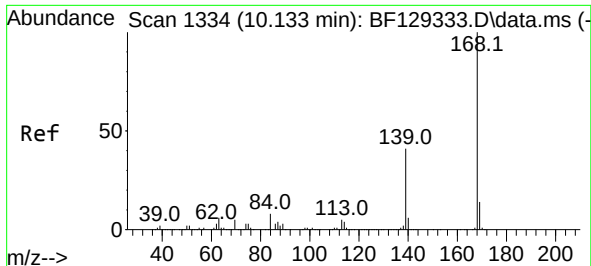
Ion Ratio Lower Upper

154 100

153 111.7 89.6 134.4

152 54.0 42.4 63.6





#55

Dibenzenofuran

Concen: 5.156 ng

RT: 10.128 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-1

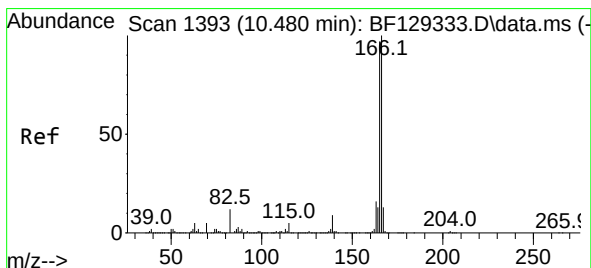
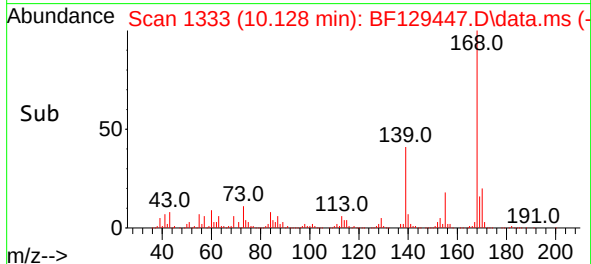
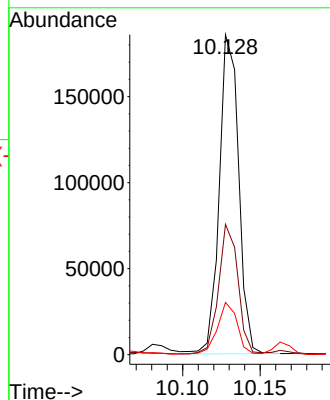
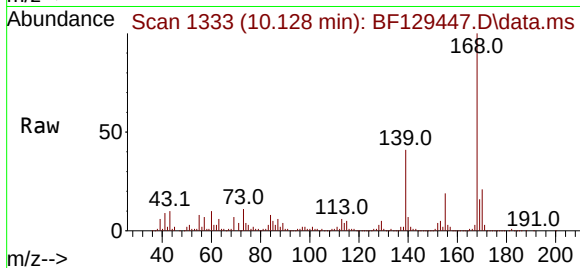
Tgt Ion:168 Resp: 161422

Ion Ratio Lower Upper

168 100

139 40.7 30.6 46.0

169 16.3 11.0 16.6



#58

Fluorene

Concen: 19.185 ng

RT: 10.475 min Scan# 1392

Delta R.T. -0.006 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

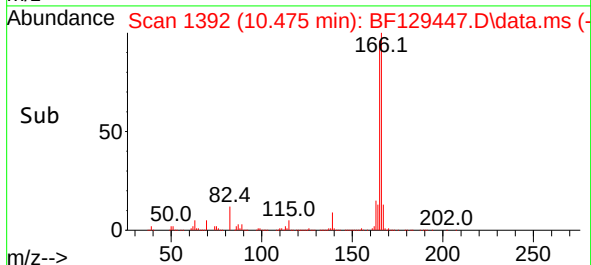
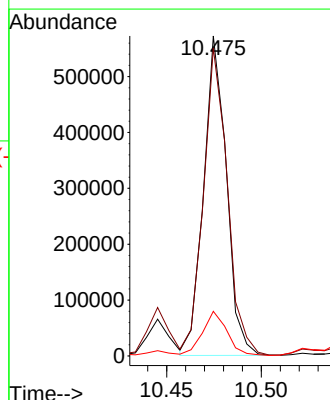
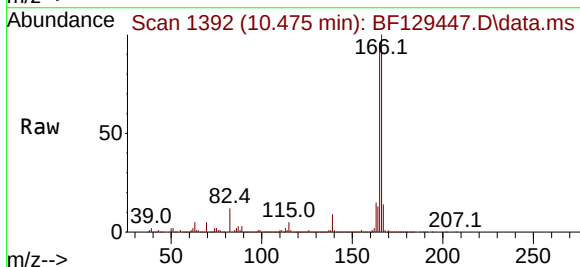
Tgt Ion:166 Resp: 480540

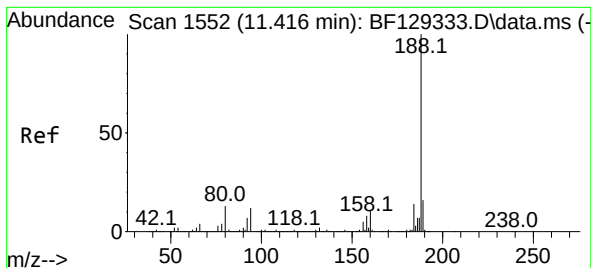
Ion Ratio Lower Upper

166 100

165 96.3 78.1 117.1

167 13.9 10.5 15.7

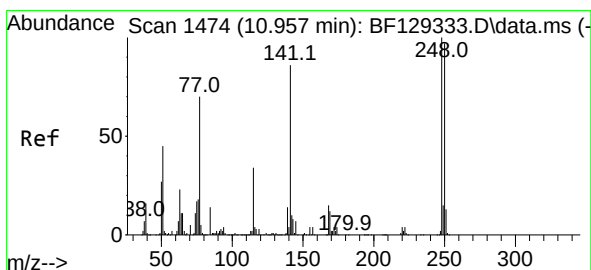
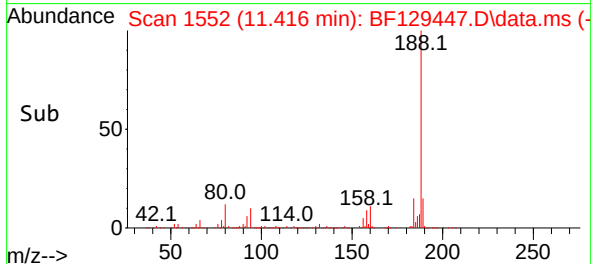
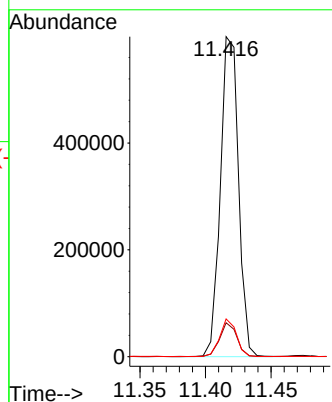
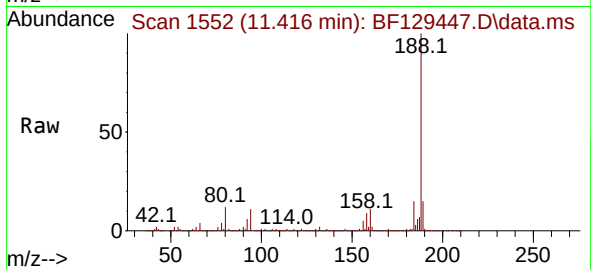




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

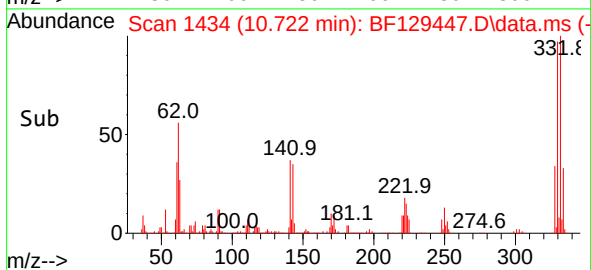
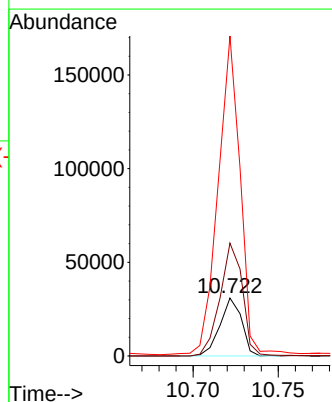
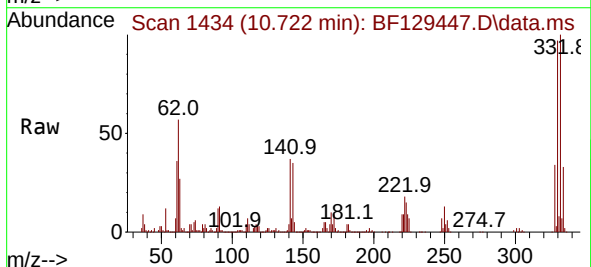
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-1

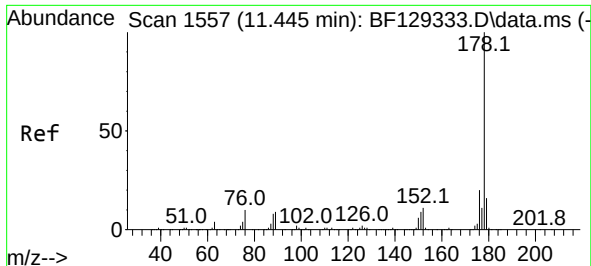
Tgt Ion:188 Resp: 575354
Ion Ratio Lower Upper
188 100
94 10.6 7.0 10.6#
80 11.8 7.6 11.4#



#67
4-Bromophenyl-phenylether
Concen: 4.362 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.235 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

Tgt Ion:248 Resp: 27480
Ion Ratio Lower Upper
248 100
250 194.8 80.6 120.8#
141 552.2 58.9 88.3#

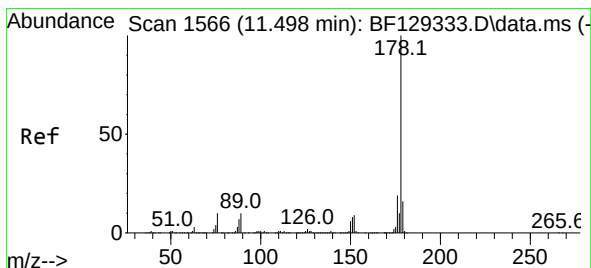
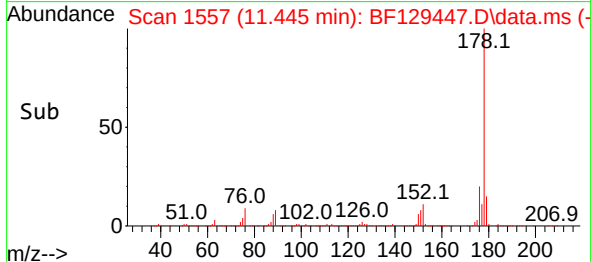
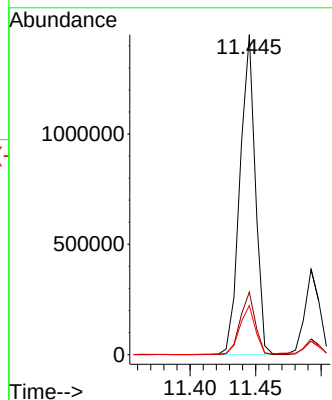
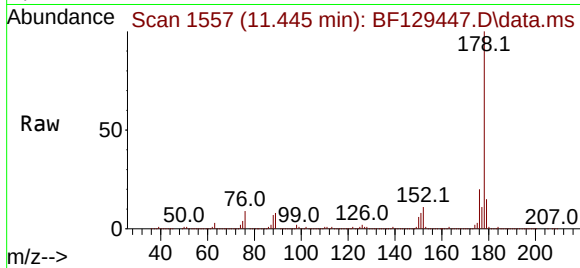




#71
Phenanthrene
Concen: 37.732 ng
RT: 11.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

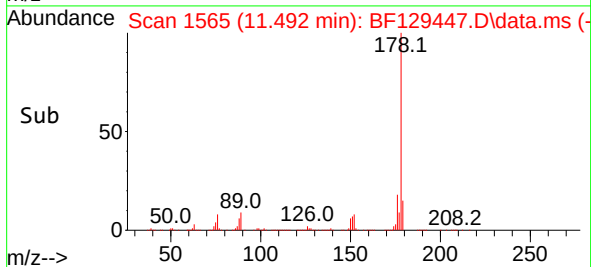
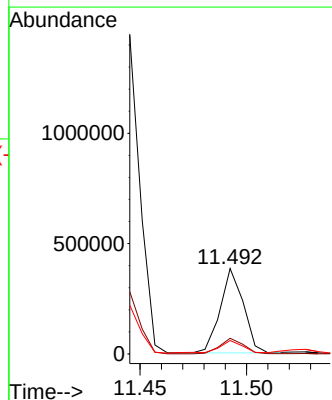
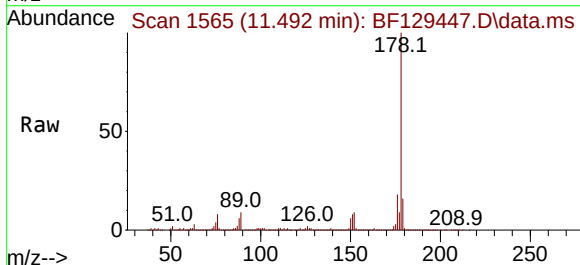
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-1

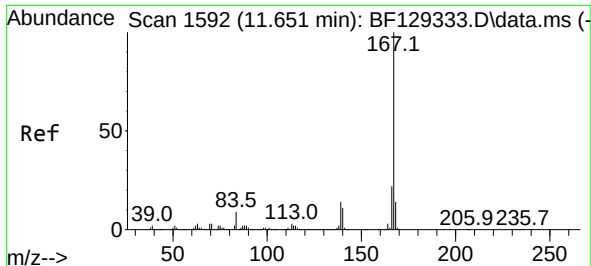
Tgt Ion:178 Resp: 1185053
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.3 12.6 19.0



#72
Anthracene
Concen: 9.399 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

Tgt Ion:178 Resp: 290099
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.8 12.6 19.0

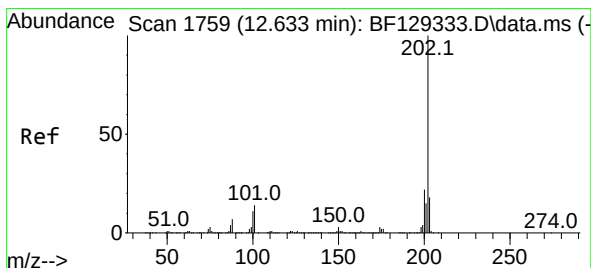
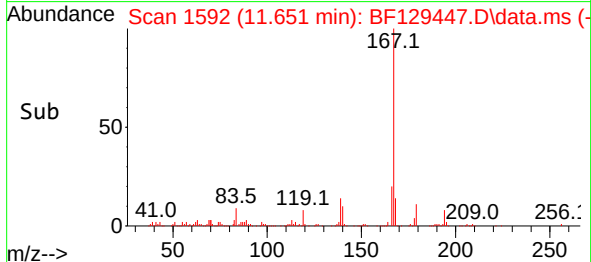
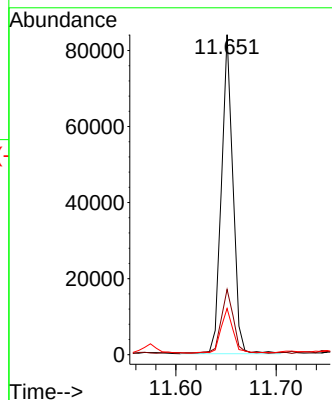
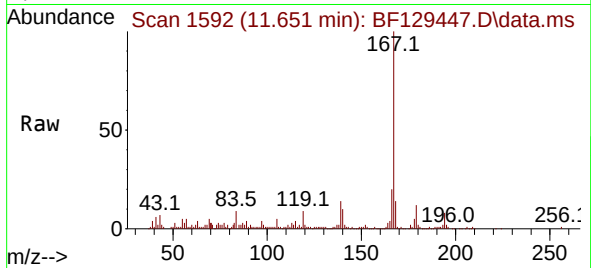




#73
 Carbazole
 Concen: 2.303 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. 0.000 min
 Lab File: BF129447.D
 Acq: 29 Jul 2022 18:04

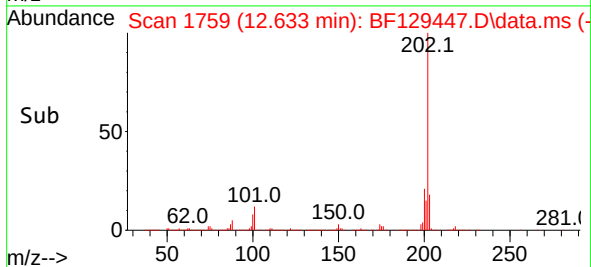
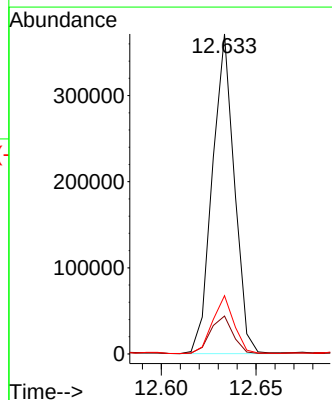
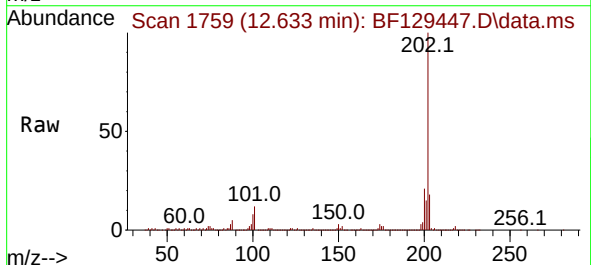
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-WATER-1

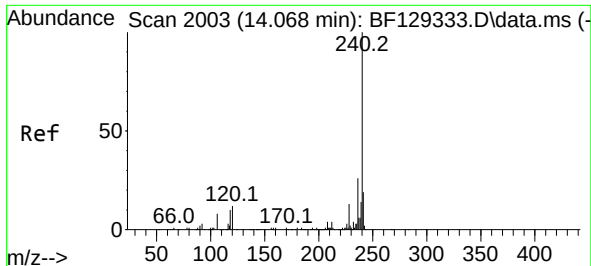
Tgt Ion:167	Resp:	66899
Ion Ratio	Lower	Upper
167	100	
166	20.4	17.7 26.5
139	14.4	11.2 16.8



#75
 Fluoranthene
 Concen: 9.447 ng
 RT: 12.633 min Scan# 1759
 Delta R.T. 0.000 min
 Lab File: BF129447.D
 Acq: 29 Jul 2022 18:04

Tgt Ion:202	Resp:	300631
Ion Ratio	Lower	Upper
202	100	
101	11.9	0.0 31.4
203	18.2	0.0 38.0

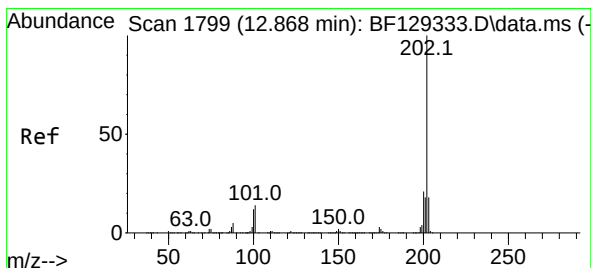
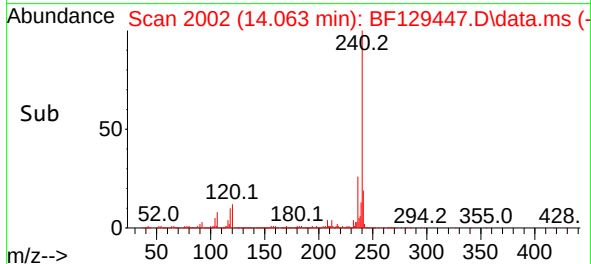
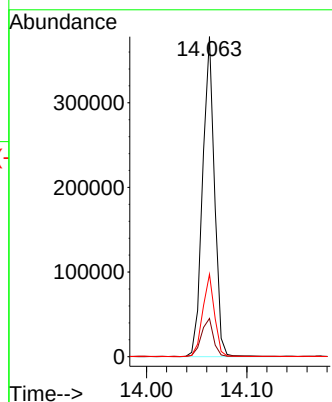
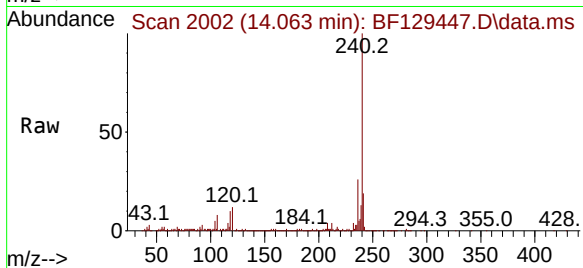




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

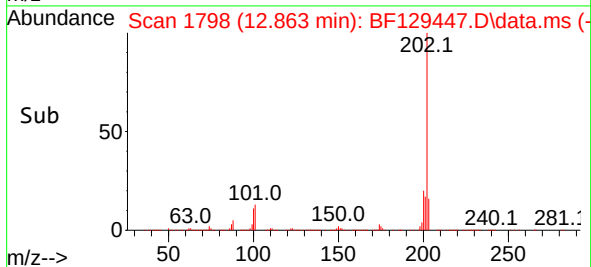
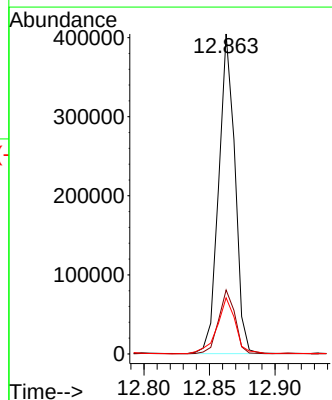
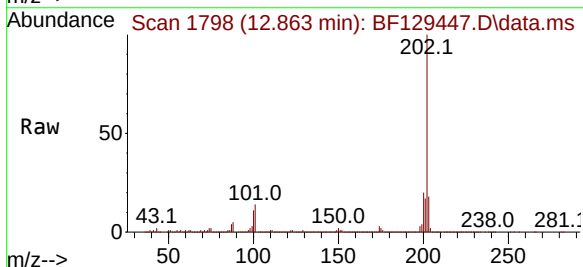
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-1

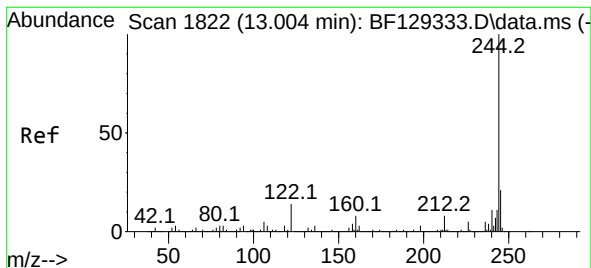
Tgt Ion:240 Resp: 313106
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 25.7 20.8 31.2



#78
Pyrene
Concen: 13.294 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF129447.D
Acq: 29 Jul 2022 18:04

Tgt Ion:202 Resp: 348071
Ion Ratio Lower Upper
202 100
200 20.0 17.7 26.5
203 17.6 14.6 21.8





#79

Terphenyl-d14

Concen: 90.912 ng

RT: 13.004 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF129447.D

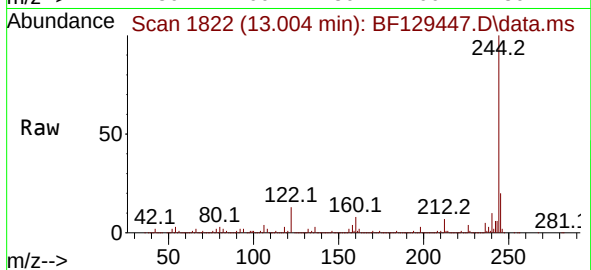
Acq: 29 Jul 2022 18:04

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-1



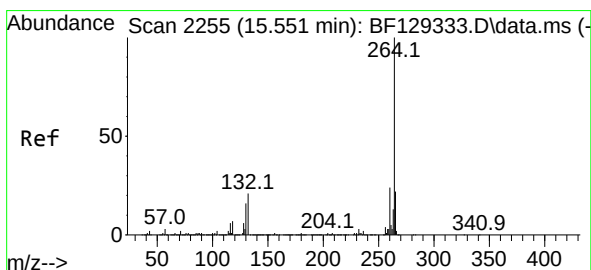
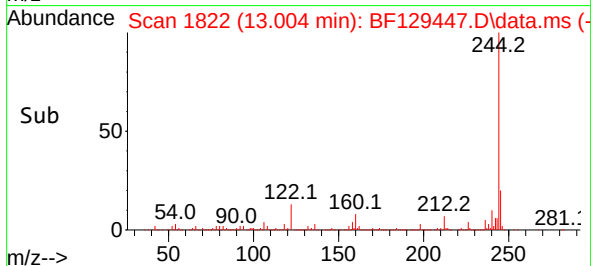
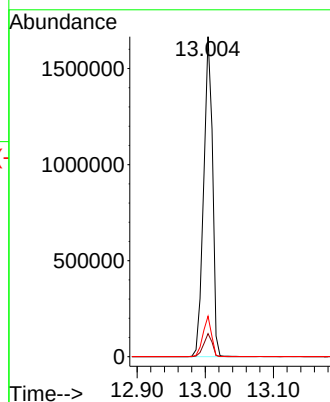
Tgt Ion:244 Resp: 1508823

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 12.6 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2256

Delta R.T. 0.006 min

Lab File: BF129447.D

Acq: 29 Jul 2022 18:04

Tgt Ion:264 Resp: 365440

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 21.7 17.2 25.8

