

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129448.D
 Acq On : 29 Jul 2022 18:37
 Operator : CG\JU
 Sample : N3964-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-WATER-2

Quant Time: Jul 30 01:10:30 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)

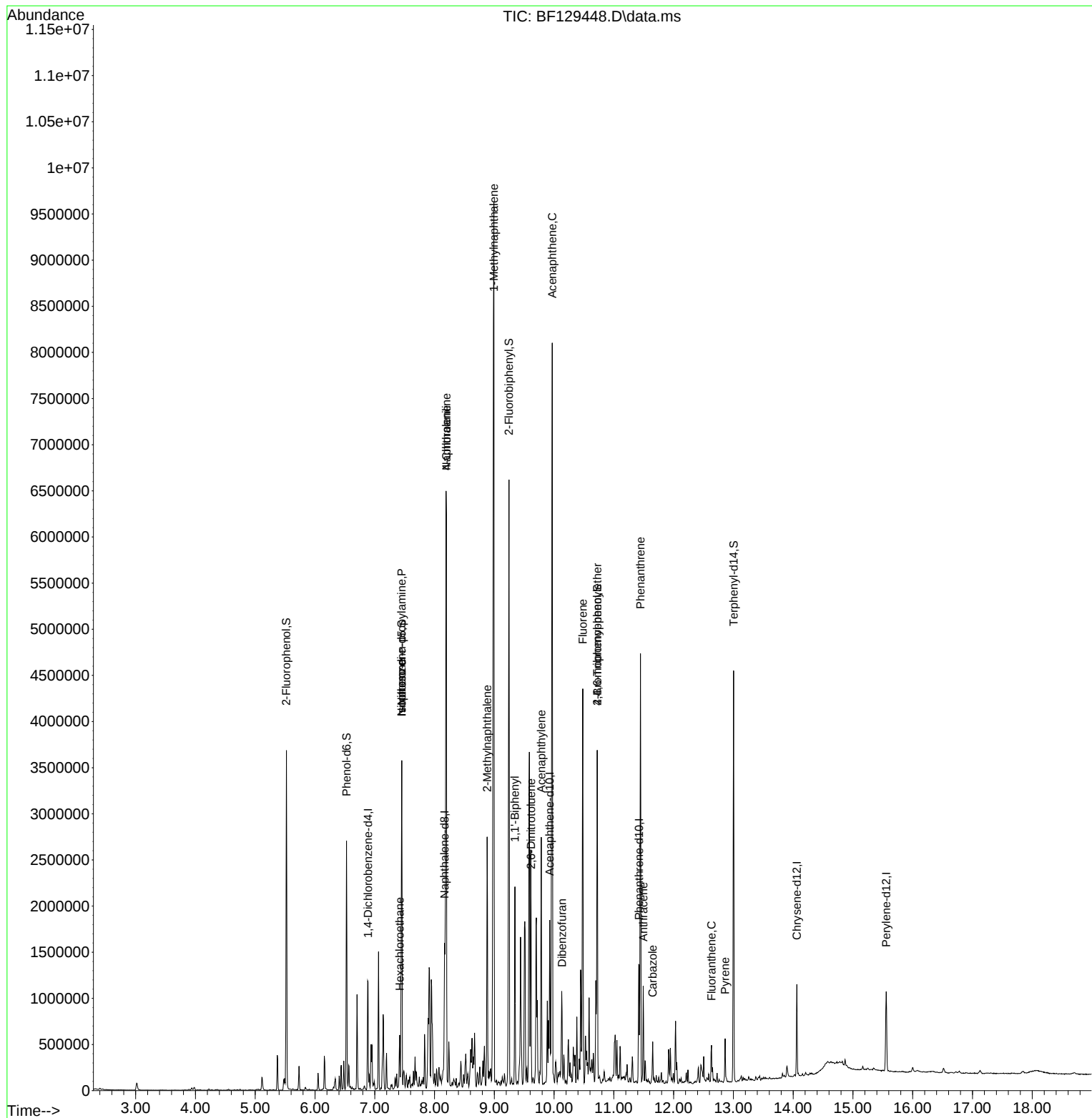
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	179422	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	728817	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	368301	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	531126	20.000	ng	0.00
76) Chrysene-d12	14.063	240	311136	20.000	ng	0.00
86) Perylene-d12	15.557	264	362536	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	945368	85.831	ng	0.02
7) Phenol-d6	6.528	99	849359	61.351	ng	0.01
23) Nitrobenzene-d5	7.451	82	1160014	86.885	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	406452	114.787	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1978993	83.122	ng	0.00
79) Terphenyl-d14	13.004	244	1444033	87.559	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.416	117	38067	7.702	ng	# 1
19) n-Nitroso-di-n-propyla...	7.451	70	159668	19.051	ng	# 73
25) Isophorone	7.451	82	1155810	48.296	ng	# 65
31) Naphthalene	8.198	128	3197266	86.346	ng	99
33) 4-Chloroaniline	8.198	127	434156	28.559	ng	# 34
37) 2-Methylnaphthalene	8.880	142	674065	28.012	ng	98
38) 1-Methylnaphthalene	8.992	142	3018023	129.923	ng	99
46) 1,1'-Biphenyl	9.345	154	571281	21.254	ng	98
49) Acenaphthylene	9.786	152	338315	10.247	ng	# 84
51) 2,6-Dinitrotoluene	9.616	165	18336	3.222	ng	# 48
52) Acenaphthene	9.969	154	1889728	87.631	ng	98
55) Dibenzofuran	10.133	168	237007	7.973	ng	99
58) Fluorene	10.480	166	1152051	48.435	ng	99
67) 4-Bromophenyl-phenylether	10.722	248	25530	4.390	ng	# 1
71) Phenanthrene	11.445	178	1706062	58.844	ng	100
72) Anthracene	11.492	178	349799	12.277	ng	99
73) Carbazole	11.651	167	150678	5.618	ng	99
75) Fluoranthene	12.633	202	144105	4.905	ng	97
78) Pyrene	12.863	202	169018	6.496	ng	98

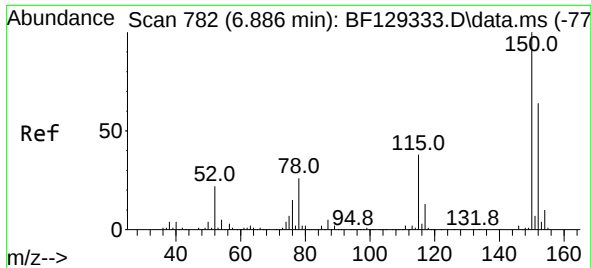
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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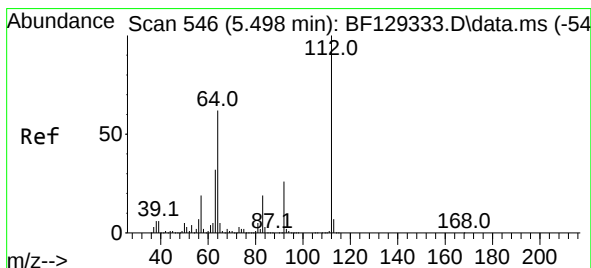
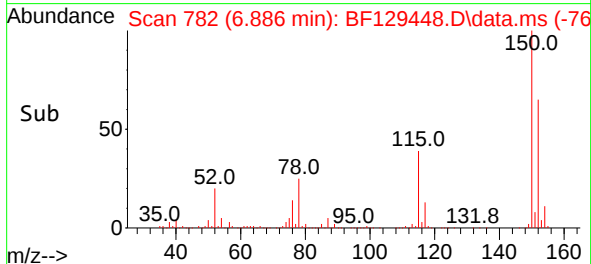
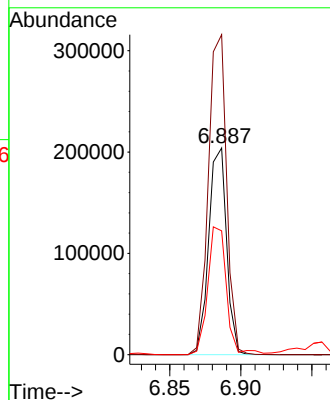
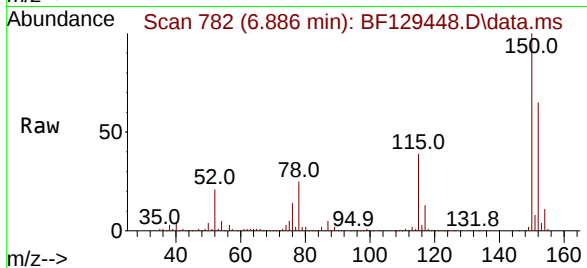




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF129448.D
 Acq: 29 Jul 2022 18:37

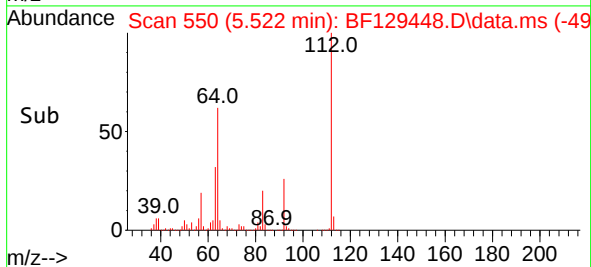
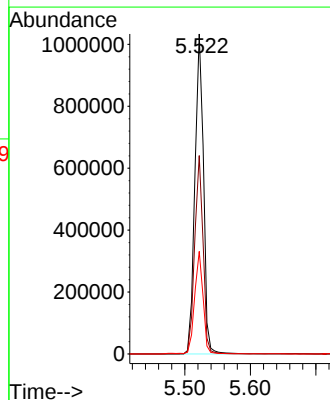
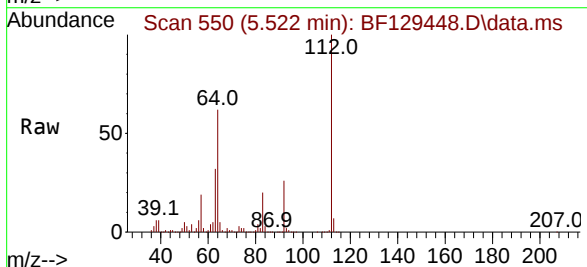
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-WATER-2

Tgt Ion:152 Resp: 179422
 Ion Ratio Lower Upper
 152 100
 150 154.8 123.7 185.5
 115 59.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 85.831 ng
 RT: 5.522 min Scan# 550
 Delta R.T. 0.024 min
 Lab File: BF129448.D
 Acq: 29 Jul 2022 18:37

Tgt Ion:112 Resp: 945368
 Ion Ratio Lower Upper
 112 100
 64 62.0 53.3 79.9
 63 32.1 28.0 42.0

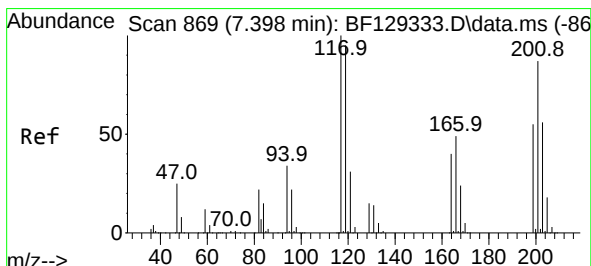
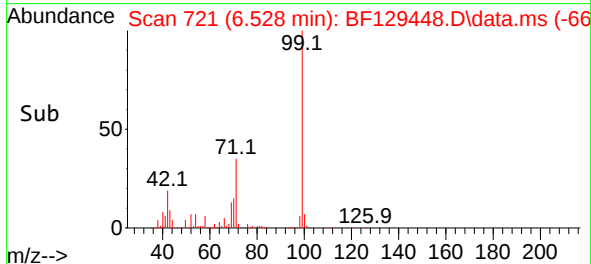
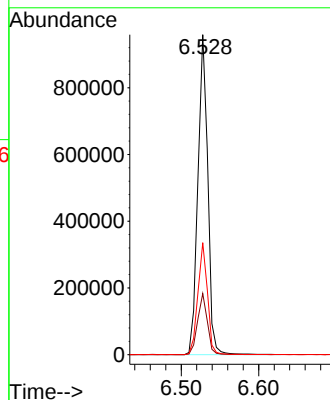
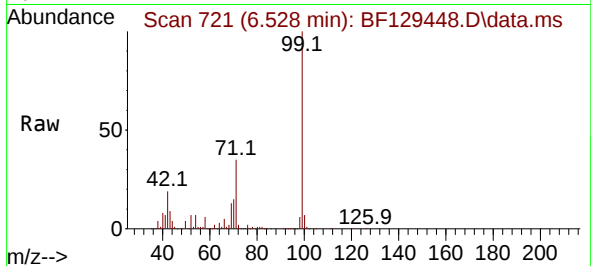




#7
Phenol-d6
Concen: 61.351 ng
RT: 6.528 min Scan# 719
Delta R.T. 0.012 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

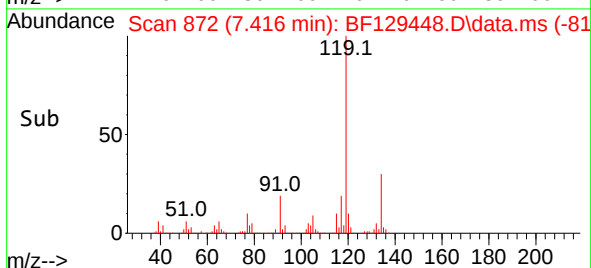
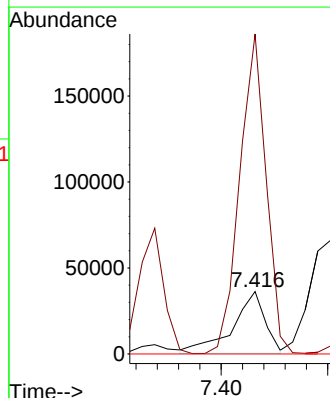
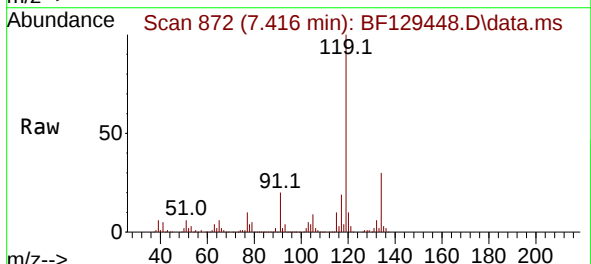
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BNA_F
ClientSampleId :
HMGP-WATER-2

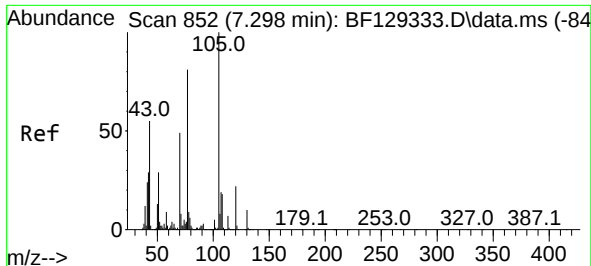
Tgt Ion: 99 Resp: 849359
Ion Ratio Lower Upper
99 100
42 19.1 17.3 25.9
71 35.0 28.9 43.3



#18
Hexachloroethane
Concen: 7.702 ng
RT: 7.416 min Scan# 872
Delta R.T. 0.018 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

Tgt Ion: 117 Resp: 38067
Ion Ratio Lower Upper
117 100
119 513.0 77.4 116.2#
201 0.0 84.6 127.0#

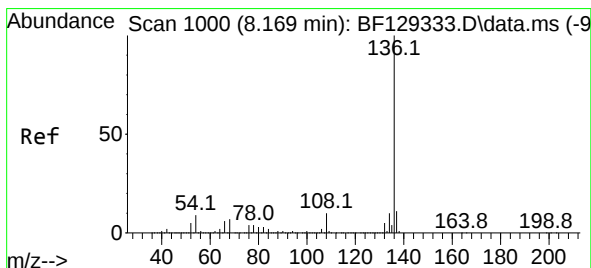
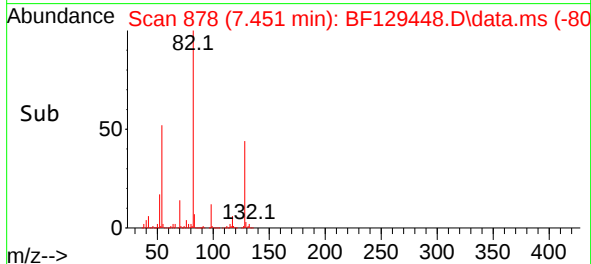
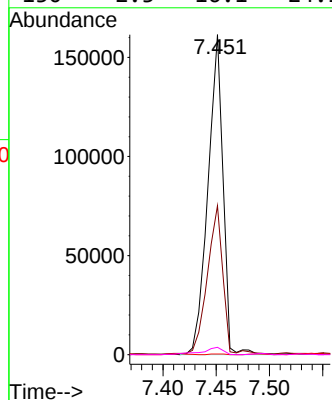
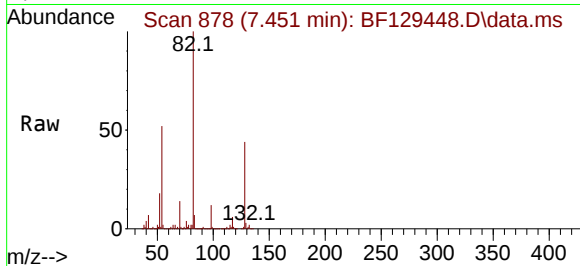




#19
n-Nitroso-di-n-propylamine
Concen: 19.051 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.153 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

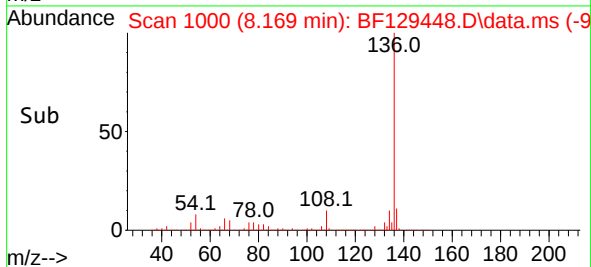
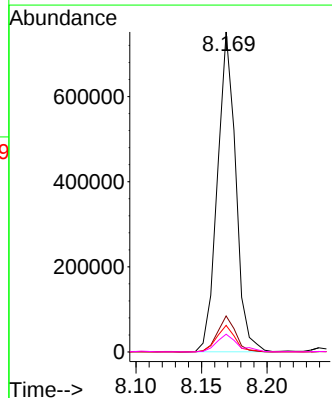
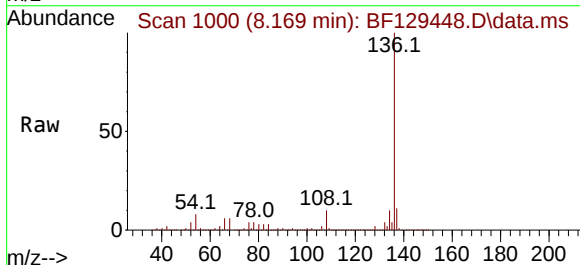
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2

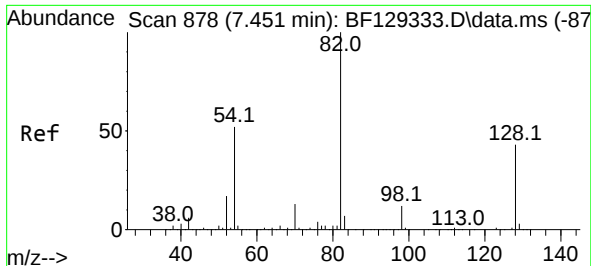
Tgt Ion: 70 Resp: 159668
Ion Ratio Lower Upper
70 100
42 46.6 52.3 78.5#
101 0.2 7.5 11.3#
130 2.3 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

Tgt Ion: 136 Resp: 728817
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.3 7.5 11.3
68 5.6 4.7 7.1





#23

Nitrobenzene-d5

Concen: 86.885 ng

RT: 7.451 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF129448.D

Acq: 29 Jul 2022 18:37

Instrument :

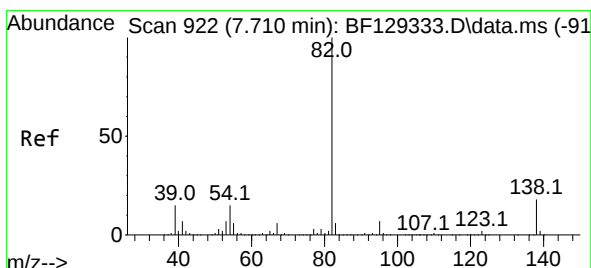
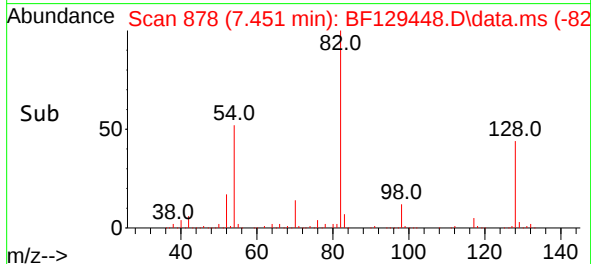
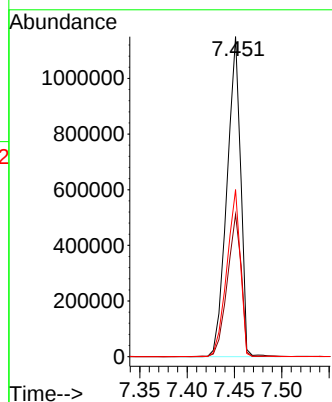
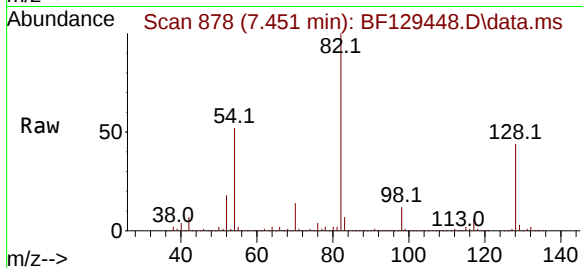
BNA_F

ClientSampleId :

HMGP-WATER-2

Tgt Ion: 82 Resp: 1160014

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.0	51.0
54	52.2	46.9	70.3



#25

Isophorone

Concen: 48.296 ng

RT: 7.451 min Scan# 878

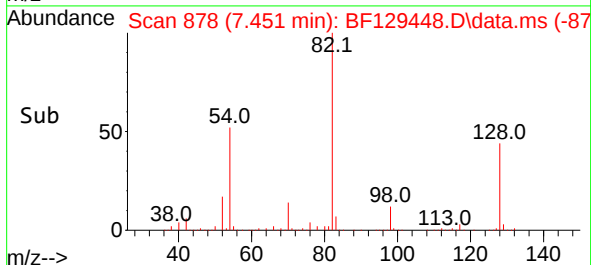
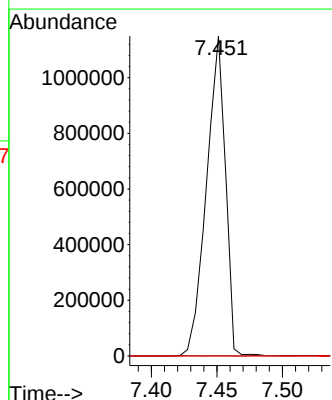
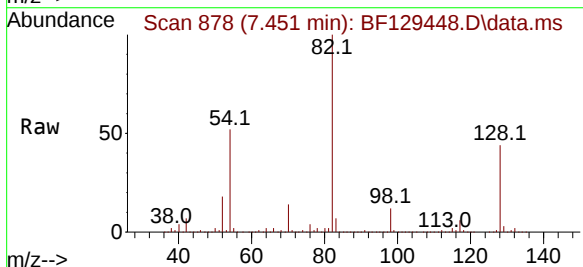
Delta R.T. -0.259 min

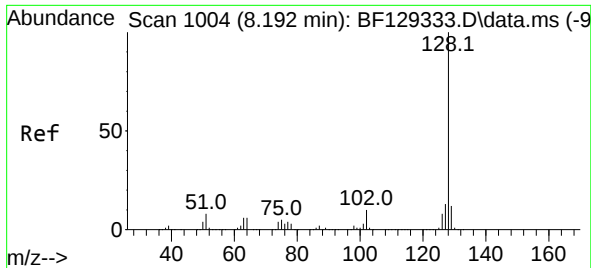
Lab File: BF129448.D

Acq: 29 Jul 2022 18:37

Tgt Ion: 82 Resp: 1155810

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	14.2	21.2#

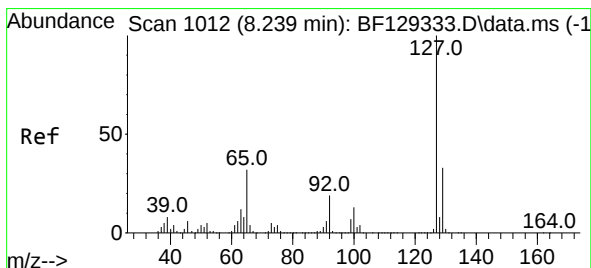
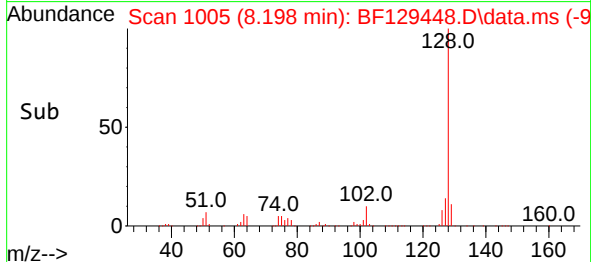
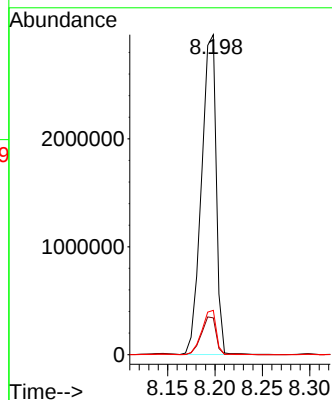
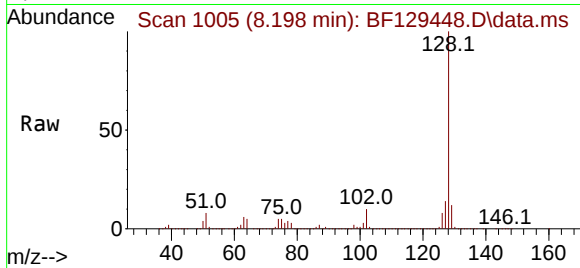




#31
Naphthalene
Concen: 86.346 ng
RT: 8.198 min Scan# 1005
Delta R.T. 0.006 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

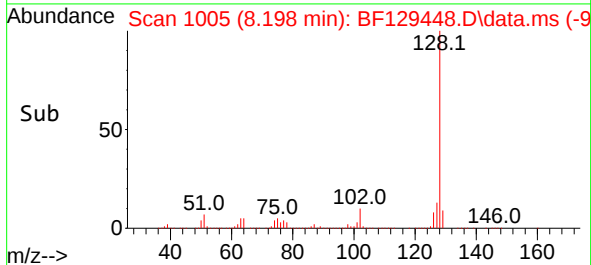
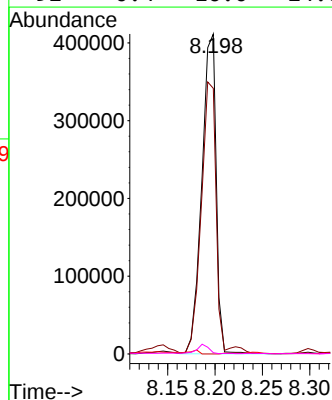
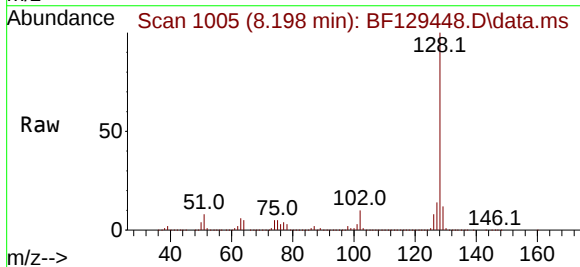
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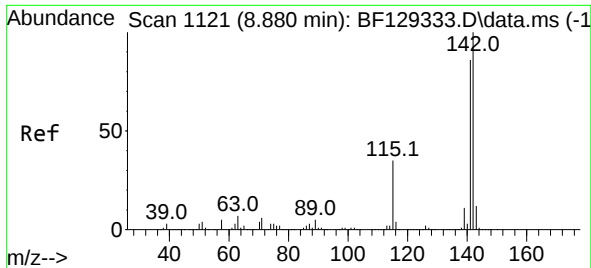
Tgt Ion:128 Resp: 3197266
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.9 10.5 15.7



#33
4-Chloroaniline
Concen: 28.559 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.041 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

Tgt Ion:127 Resp: 434156
Ion Ratio Lower Upper
127 100
129 83.0 26.4 39.6#
65 0.0 26.4 39.6#
92 0.4 16.0 24.0#

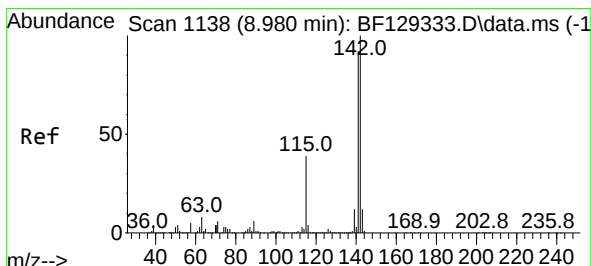
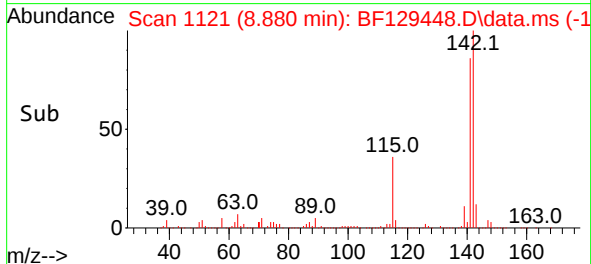
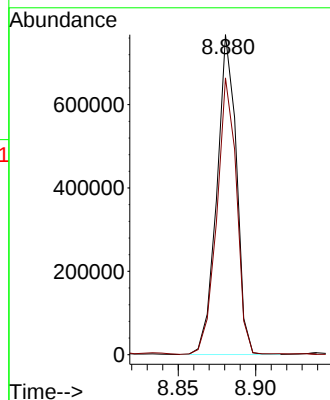
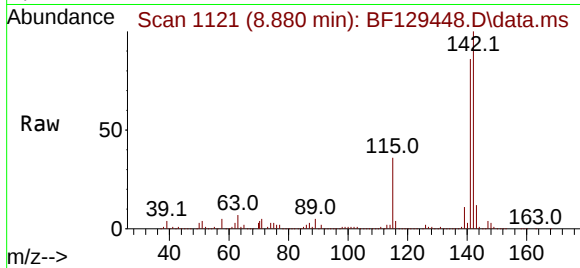




#37
2-Methylnaphthalene
Concen: 28.012 ng
RT: 8.880 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

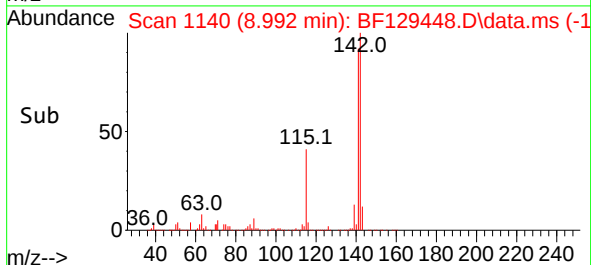
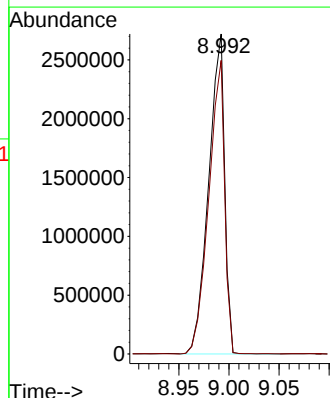
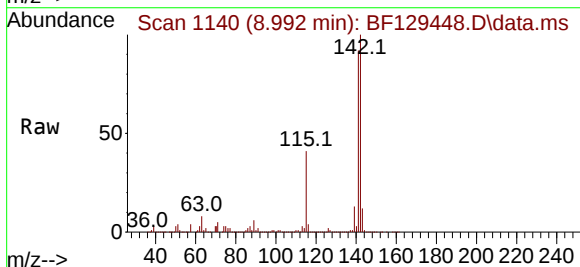
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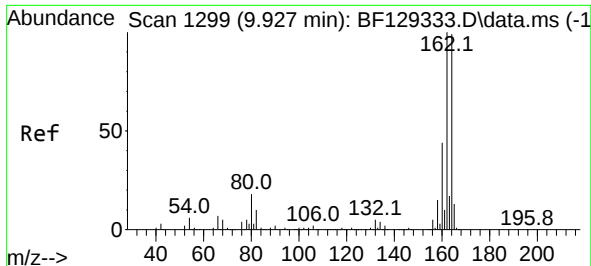
Tgt Ion:142 Resp: 674065
Ion Ratio Lower Upper
142 100
141 86.5 71.0 106.4



#38
1-Methylnaphthalene
Concen: 129.923 ng
RT: 8.992 min Scan# 1140
Delta R.T. 0.012 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

Tgt Ion:142 Resp: 3018023
Ion Ratio Lower Upper
142 100
141 91.8 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: BF129448.D

Acq: 29 Jul 2022 18:37

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-2

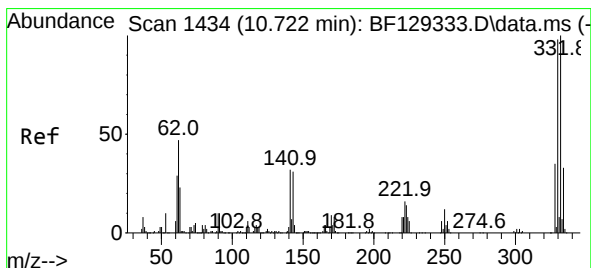
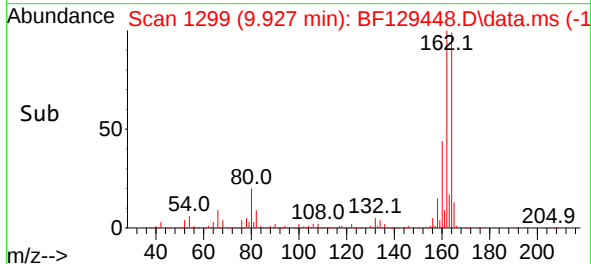
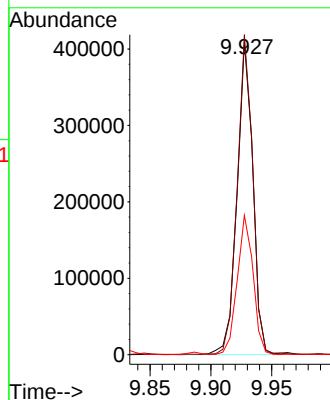
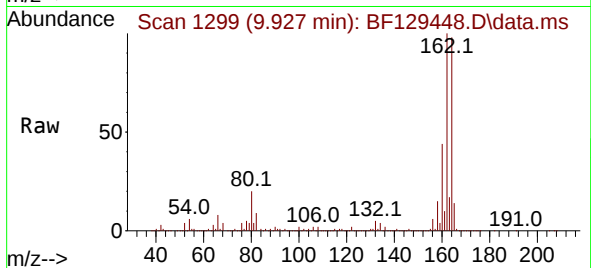
Tgt Ion:164 Resp: 368301

Ion Ratio Lower Upper

164 100

162 102.3 79.5 119.3

160 44.5 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 114.787 ng

RT: 10.722 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF129448.D

Acq: 29 Jul 2022 18:37

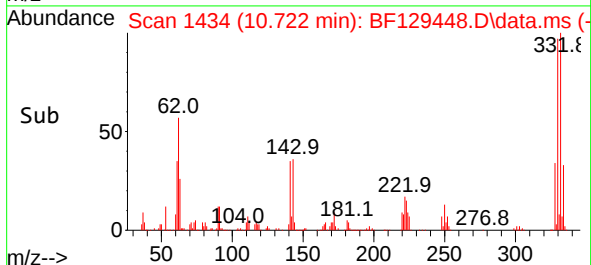
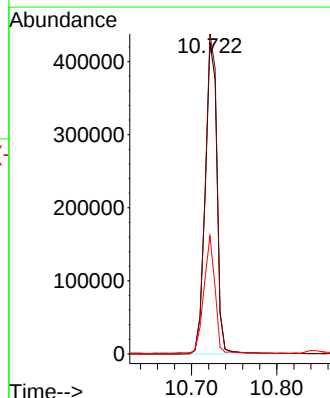
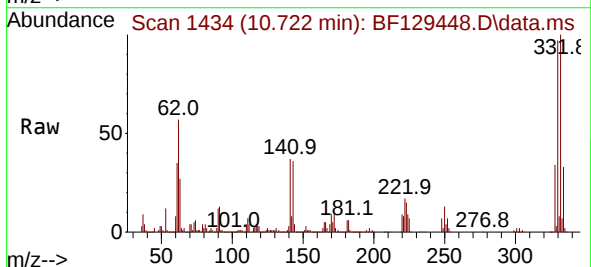
Tgt Ion:330 Resp: 406452

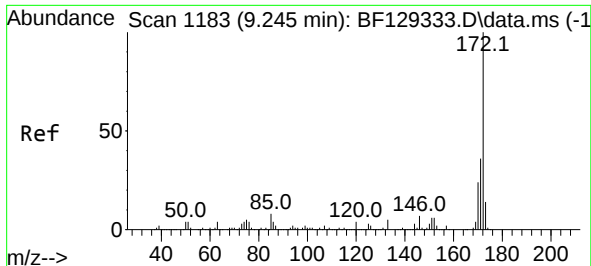
Ion Ratio Lower Upper

330 100

332 103.4 76.8 115.2

141 35.7 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 83.122 ng

RT: 9.245 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF129448.D

Acq: 29 Jul 2022 18:37

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-2

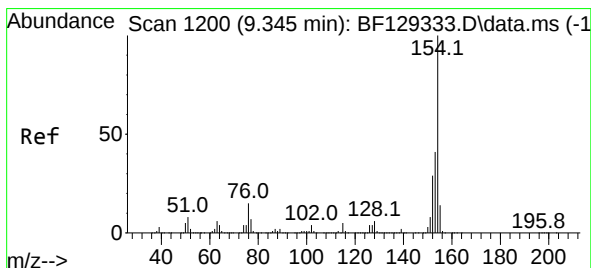
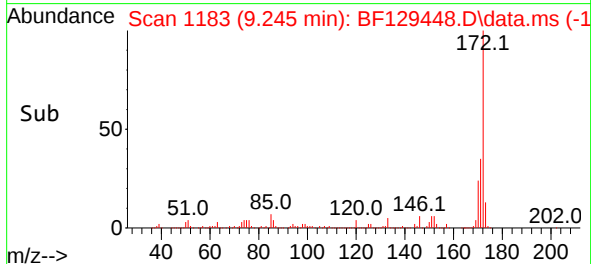
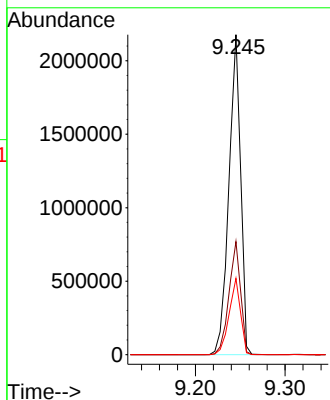
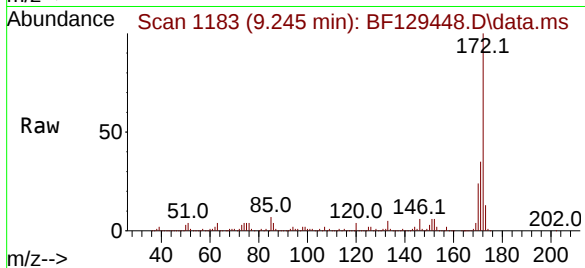
Tgt Ion:172 Resp: 1978993

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.9 19.8 29.8



#46

1,1'-Biphenyl

Concen: 21.254 ng

RT: 9.345 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF129448.D

Acq: 29 Jul 2022 18:37

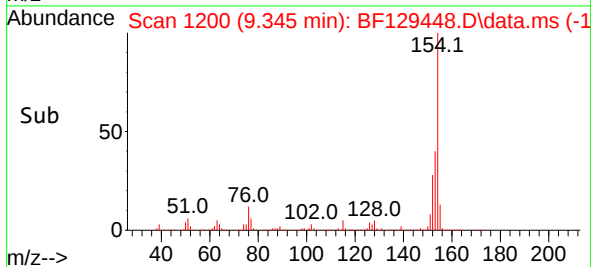
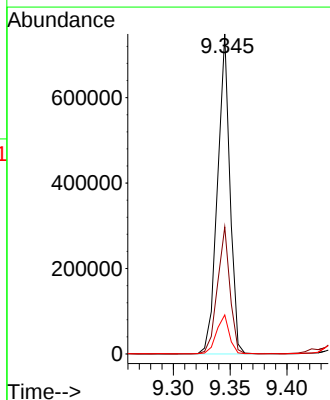
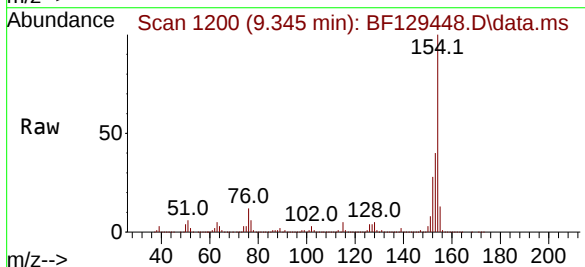
Tgt Ion:154 Resp: 571281

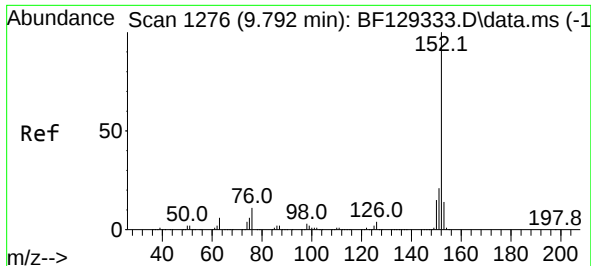
Ion Ratio Lower Upper

154 100

153 39.7 20.6 60.6

76 12.2 0.0 33.3





#49

Acenaphthylene

Concen: 10.247 ng

RT: 9.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129448.D

Acq: 29 Jul 2022 18:37

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-2

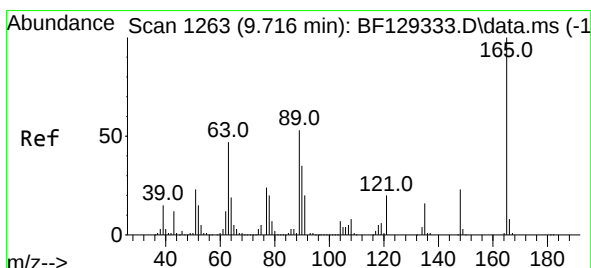
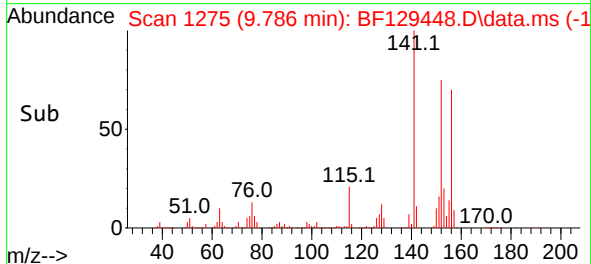
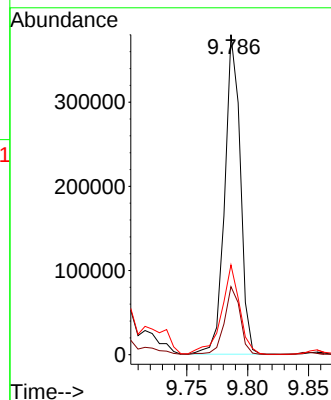
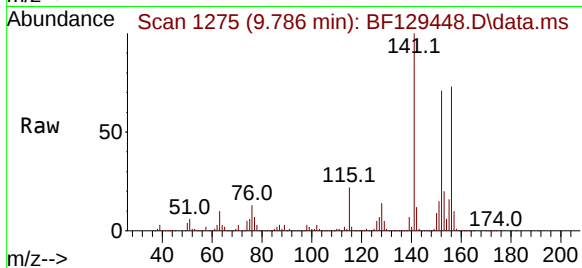
Tgt Ion:152 Resp: 338315

Ion Ratio Lower Upper

152 100

151 21.3 16.2 24.4

153 28.1 10.7 16.1#



#51

2,6-Dinitrotoluene

Concen: 3.222 ng

RT: 9.616 min Scan# 1246

Delta R.T. -0.100 min

Lab File: BF129448.D

Acq: 29 Jul 2022 18:37

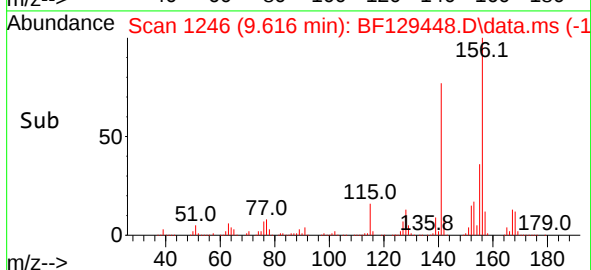
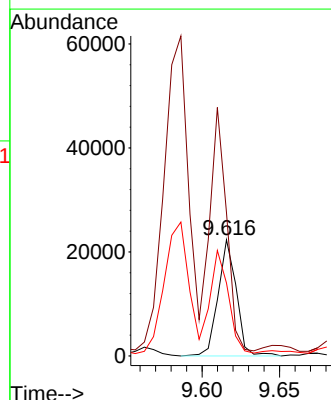
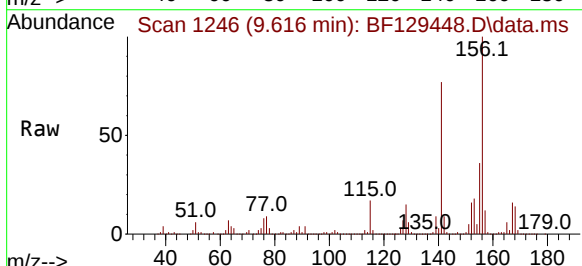
Tgt Ion:165 Resp: 18336

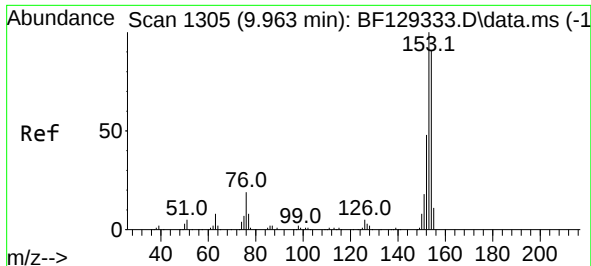
Ion Ratio Lower Upper

165 100

63 123.5 44.9 67.3#

89 62.8 43.6 65.4

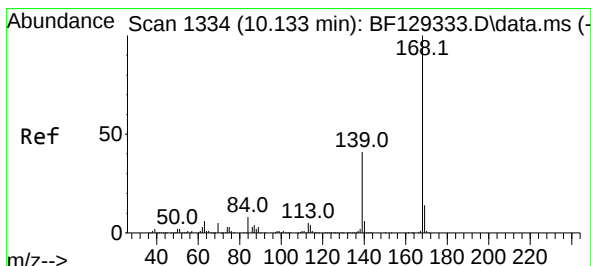
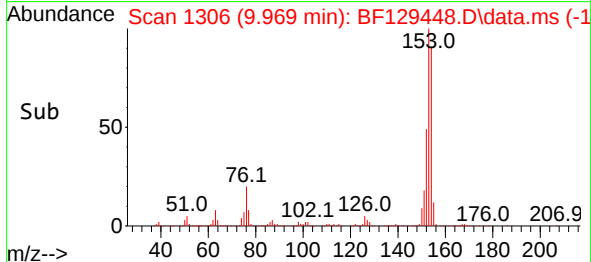
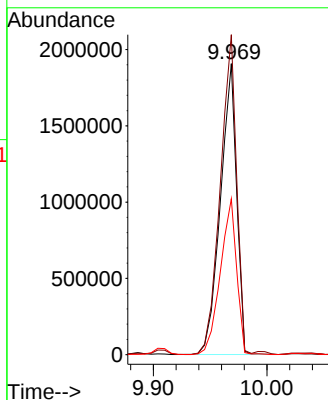
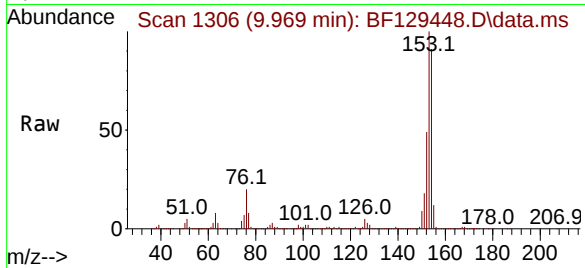




#52
Acenaphthene
Concen: 87.631 ng
RT: 9.969 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

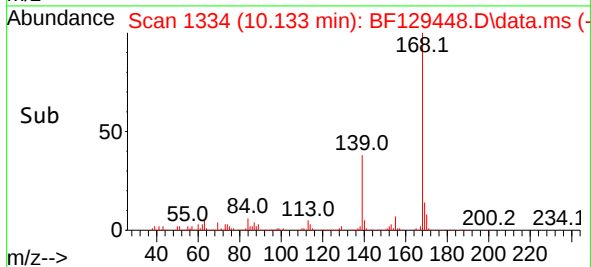
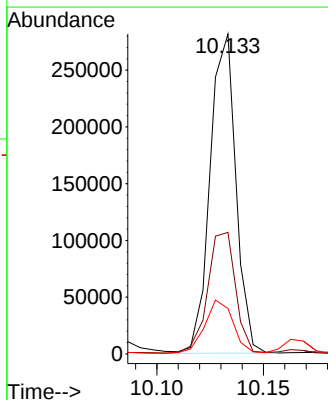
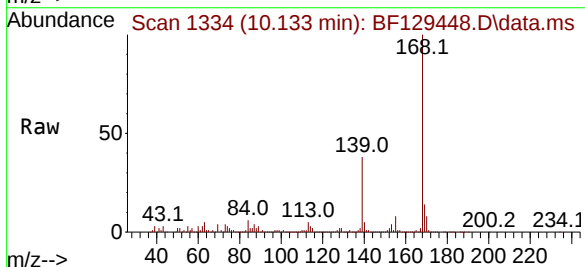
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2

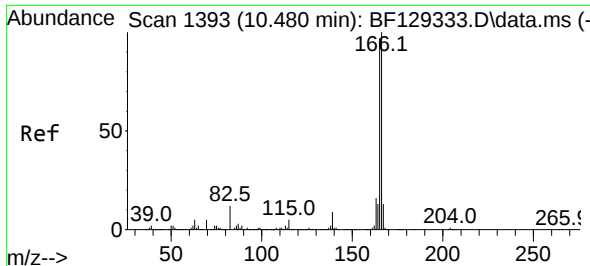
Tgt Ion:154 Resp: 1889728
Ion Ratio Lower Upper
154 100
153 109.9 89.6 134.4
152 53.5 42.4 63.6



#55
Dibenzofuran
Concen: 7.973 ng
RT: 10.133 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

Tgt Ion:168 Resp: 237007
Ion Ratio Lower Upper
168 100
139 38.0 30.6 46.0
169 14.2 11.0 16.6

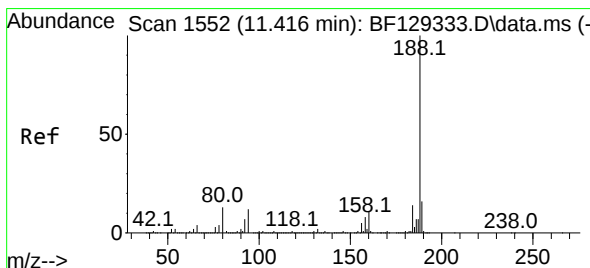
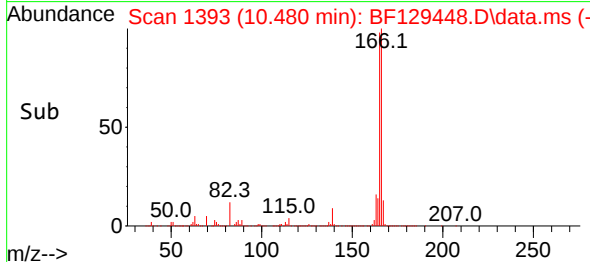
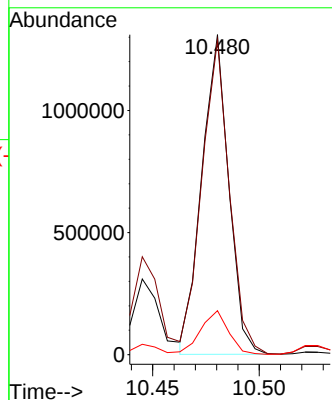
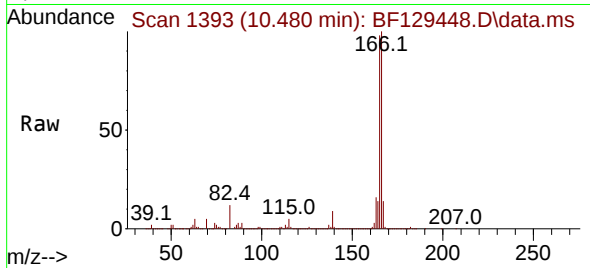




#58
 Fluorene
 Concen: 48.435 ng
 RT: 10.480 min Scan# 1152051
 Delta R.T. 0.000 min
 Lab File: BF129448.D
 Acq: 29 Jul 2022 18:37

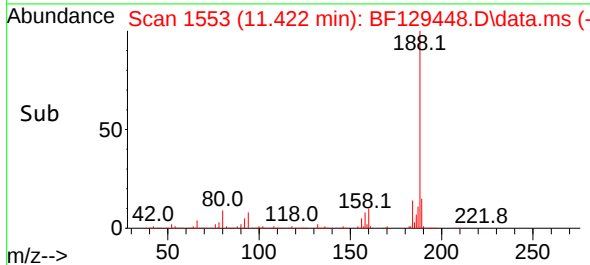
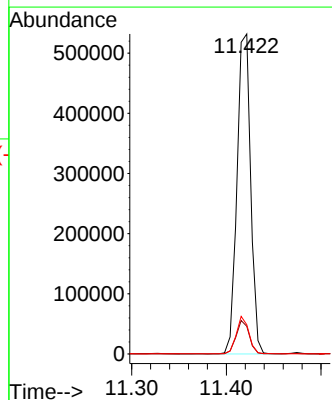
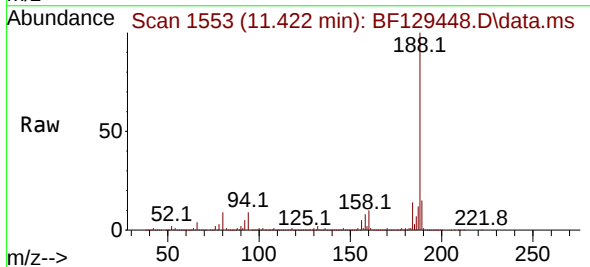
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-WATER-2

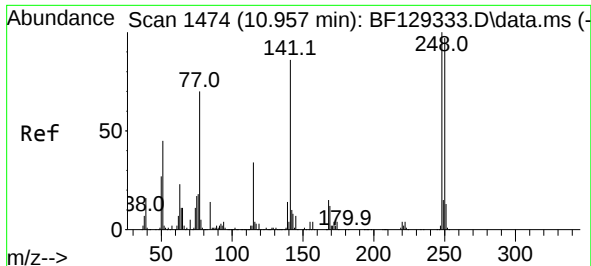
Tgt Ion:166 Resp: 1152051
 Ion Ratio Lower Upper
 166 100
 165 98.4 78.1 117.1
 167 13.8 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1553
 Delta R.T. 0.006 min
 Lab File: BF129448.D
 Acq: 29 Jul 2022 18:37

Tgt Ion:188 Resp: 531126
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.0 10.6
 80 9.1 7.6 11.4

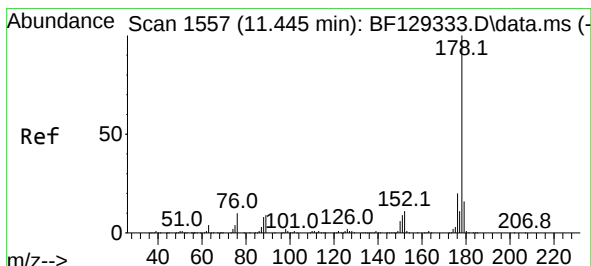
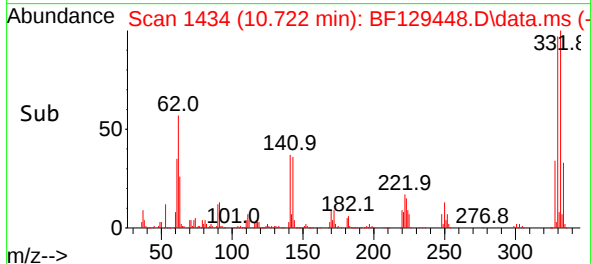
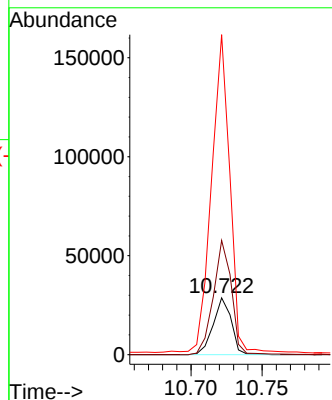
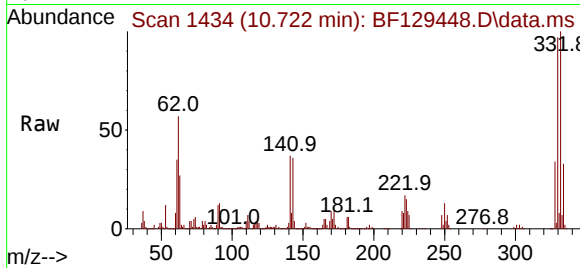




#67
4-Bromophenyl-phenylether
Concen: 4.390 ng
RT: 10.722 min Scan# 1474
Delta R.T. -0.235 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

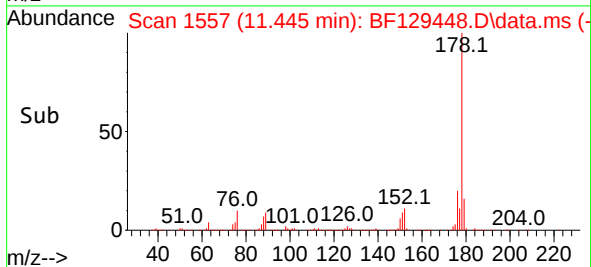
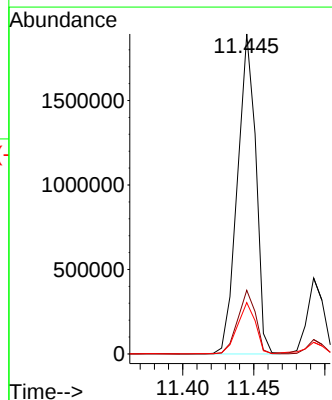
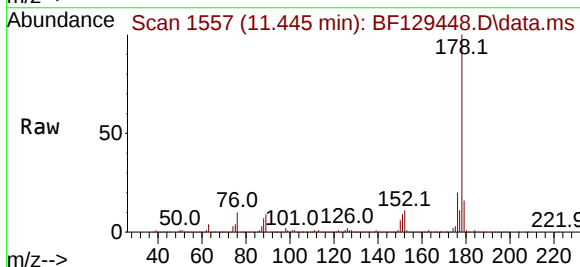
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2

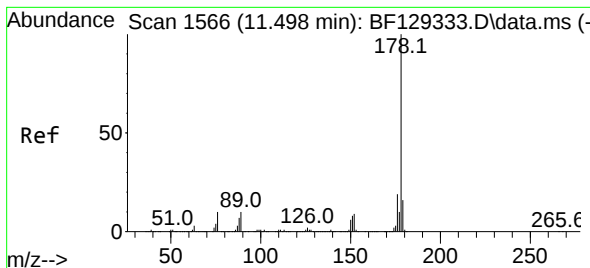
Tgt Ion:248 Resp: 25530
Ion Ratio Lower Upper
248 100
250 201.2 80.6 120.8#
141 563.5 58.9 88.3#



#71
Phenanthrene
Concen: 58.844 ng
RT: 11.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

Tgt Ion:178 Resp: 1706062
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.0 12.6 19.0





#72

Anthracene

Concen: 12.277 ng

RT: 11.492 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF129448.D

Acq: 29 Jul 2022 18:37

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-2

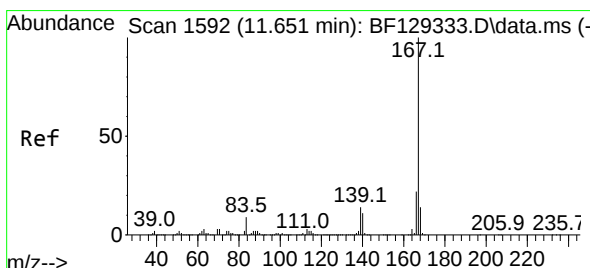
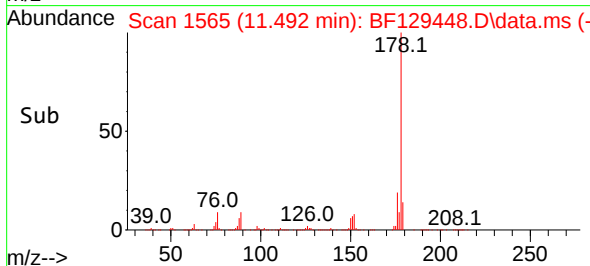
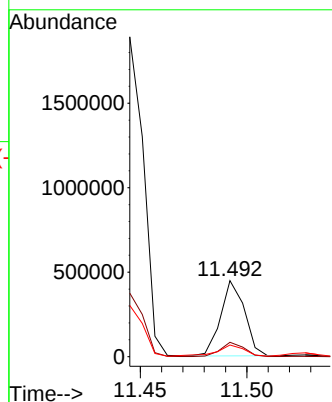
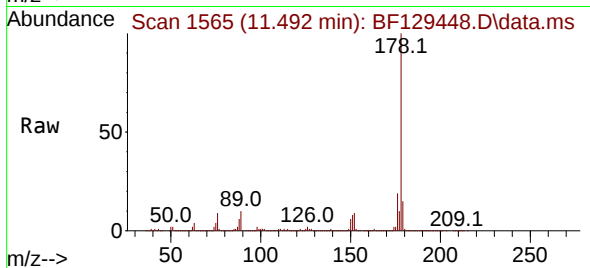
Tgt Ion:178 Resp: 349799

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.5 12.6 19.0



#73

Carbazole

Concen: 5.618 ng

RT: 11.651 min Scan# 1592

Delta R.T. 0.000 min

Lab File: BF129448.D

Acq: 29 Jul 2022 18:37

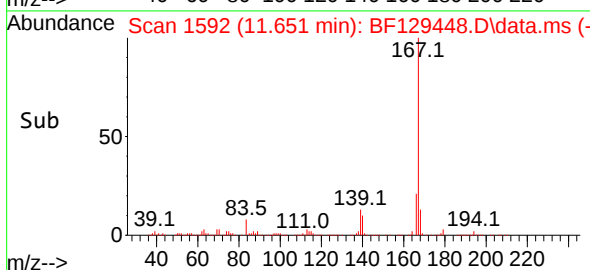
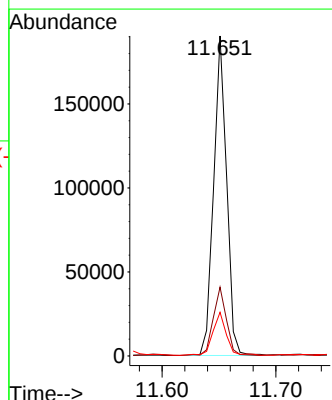
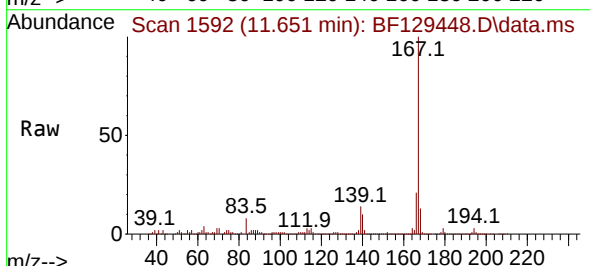
Tgt Ion:167 Resp: 150678

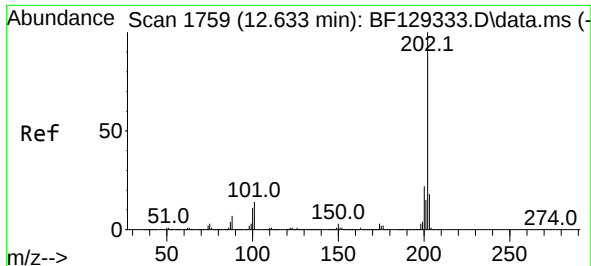
Ion Ratio Lower Upper

167 100

166 21.5 17.7 26.5

139 13.7 11.2 16.8

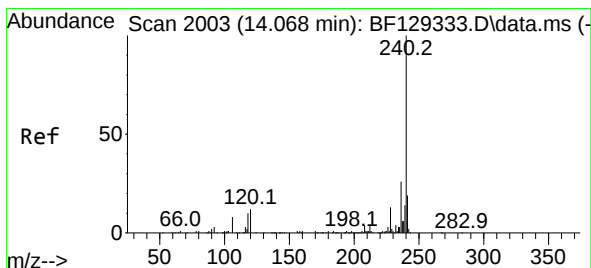
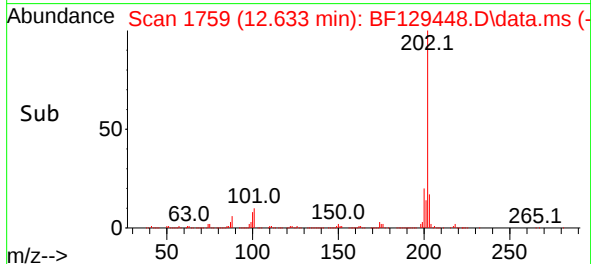
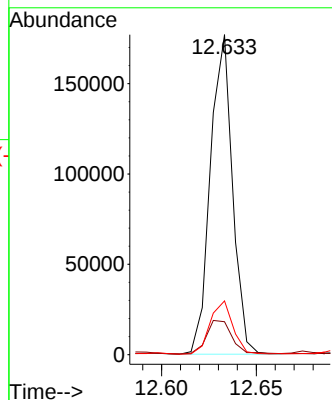
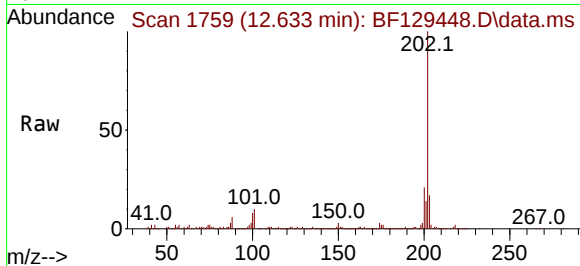




#75
Fluoranthene
Concen: 4.905 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

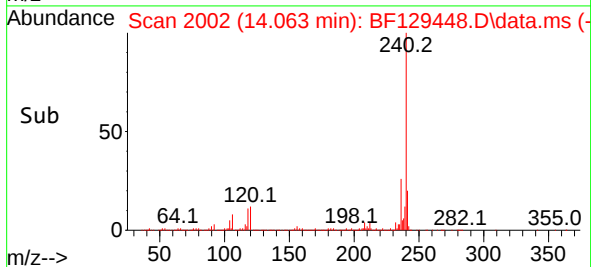
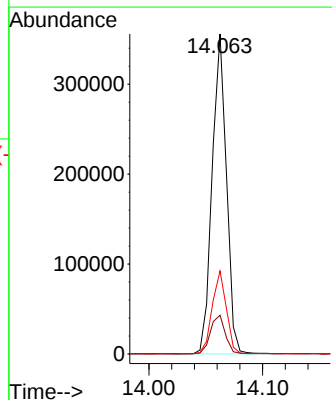
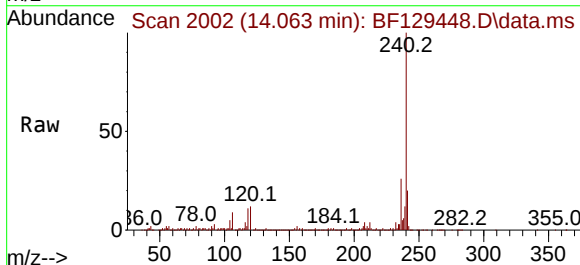
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2

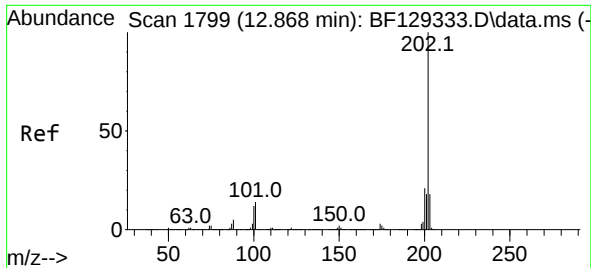
Tgt Ion:202 Resp: 144105
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.4
203 16.8 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

Tgt Ion:240 Resp: 311136
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 26.0 20.8 31.2

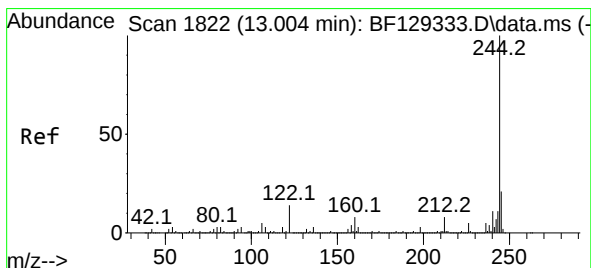
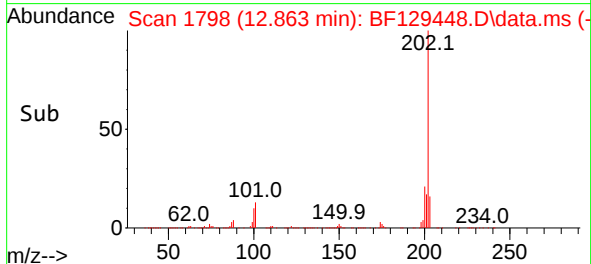
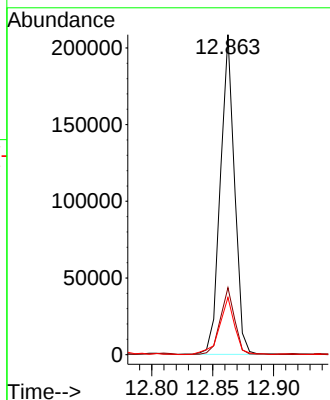
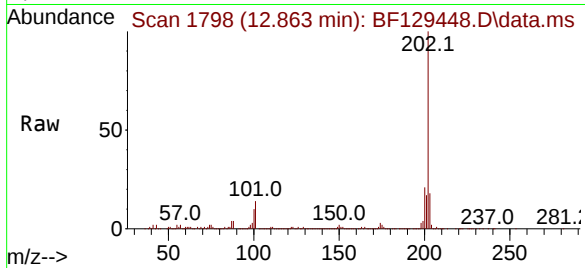




#78
Pyrene
Concen: 6.496 ng
RT: 12.863 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

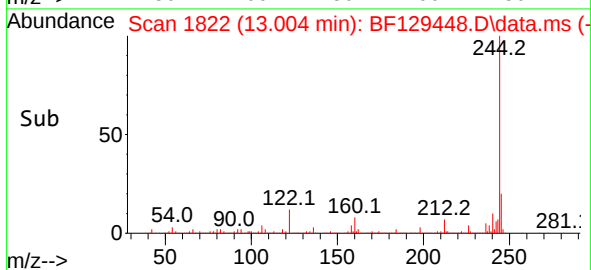
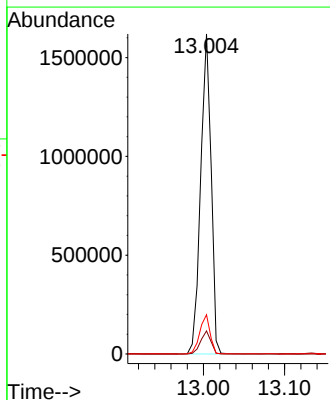
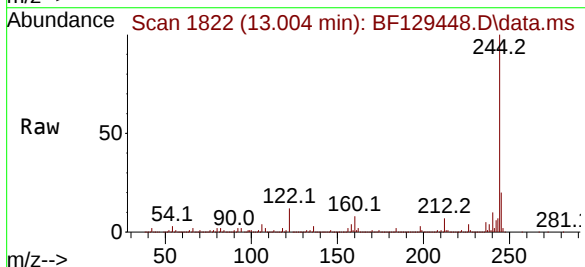
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2

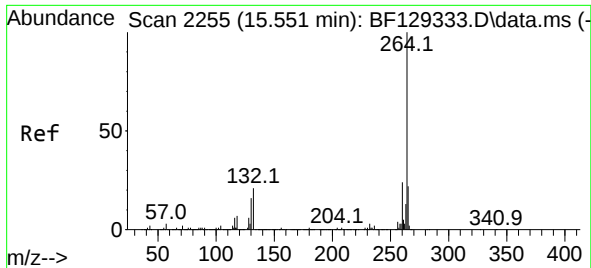
Tgt Ion:202 Resp: 169018
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 87.559 ng
RT: 13.004 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF129448.D
Acq: 29 Jul 2022 18:37

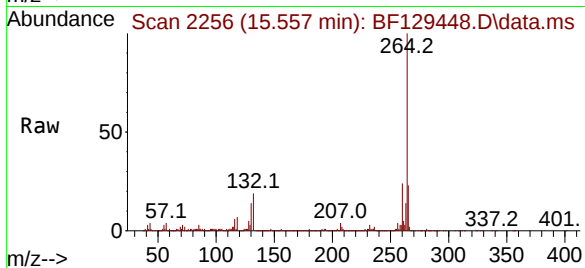
Tgt Ion:244 Resp: 1444033
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 12.3 8.8 13.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF129448.D
 Acq: 29 Jul 2022 18:37

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-WATER-2



Tgt Ion:264 Resp: 362536
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.4 27.6
 265 22.5 17.2 25.8

