

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129472.D
 Acq On : 01 Aug 2022 14:26
 Operator : CG\JU
 Sample : N3964-08DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-WATER-2DL

Quant Time: Aug 02 01:16:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

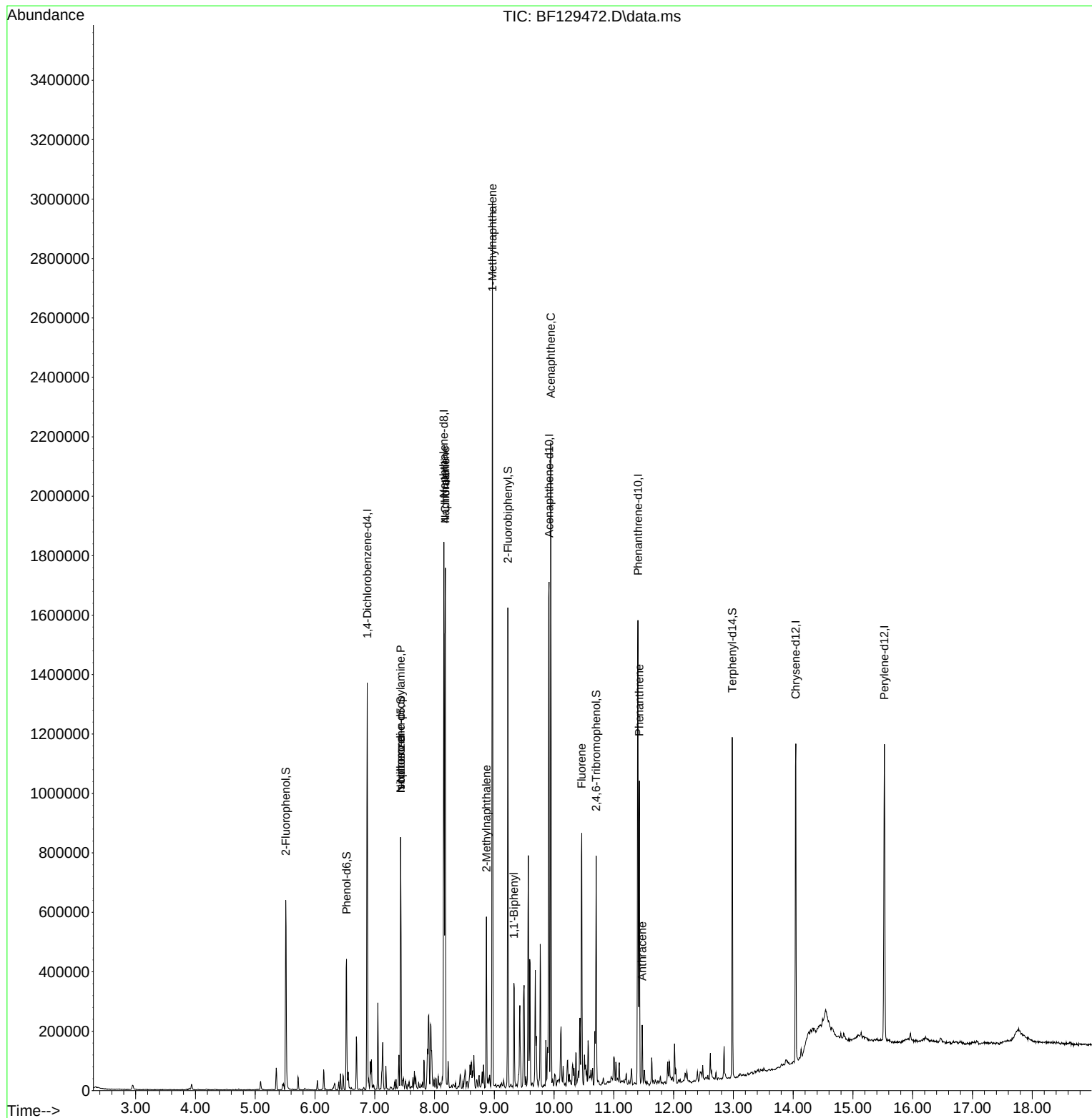
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	185171	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	720781	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	359946	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	553690	20.000	ng	0.00
76) Chrysene-d12	14.045	240	361492	20.000	ng	0.00
86) Perylene-d12	15.527	264	429468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	182042	16.015	ng	0.00
7) Phenol-d6	6.528	99	158467	11.091	ng	0.00
23) Nitrobenzene-d5	7.434	82	219805	16.647	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	74518	21.533	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	416716	17.909	ng	0.00
79) Terphenyl-d14	12.980	244	348773	18.202	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	28909	3.342	ng	# 77
25) Isophorone	7.434	82	219802	9.287	ng	# 65
31) Naphthalene	8.181	128	700439	19.127	ng	99
33) 4-Chloroaniline	8.181	127	91502	6.086	ng	# 36
37) 2-Methylnaphthalene	8.869	142	124058	5.213	ng	98
38) 1-Methylnaphthalene	8.969	142	700501	30.492	ng	98
46) 1,1'-Biphenyl	9.328	154	106872	4.068	ng	99
52) Acenaphthene	9.945	154	407488	19.335	ng	99
58) Fluorene	10.463	166	227515	9.787	ng	98
71) Phenanthrene	11.427	178	357728	11.836	ng	99
72) Anthracene	11.474	178	67086	2.259	ng	98

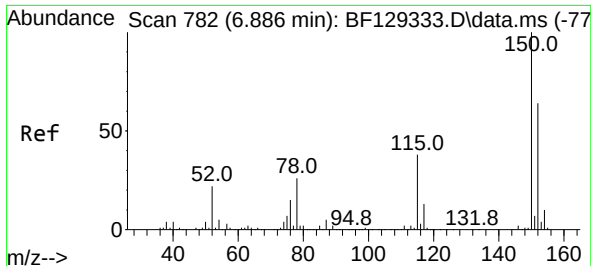
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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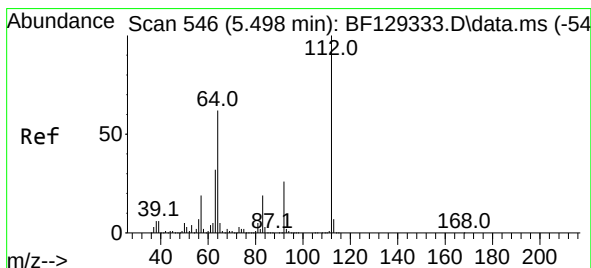
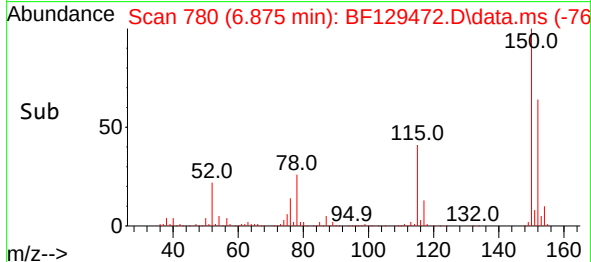
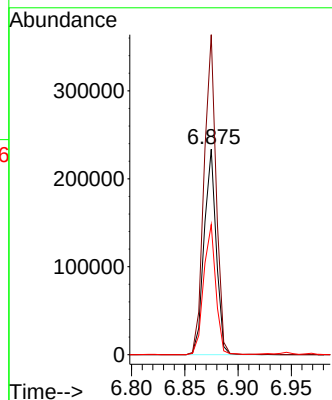
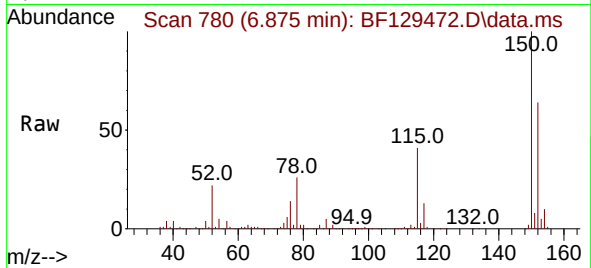




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF129472.D
 Acq: 01 Aug 2022 14:26

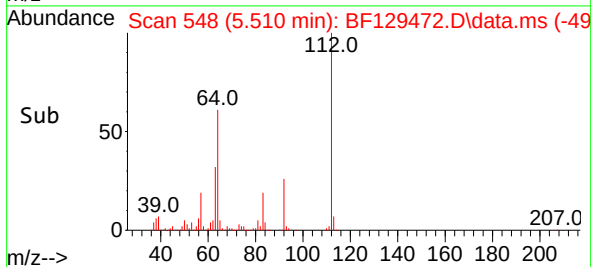
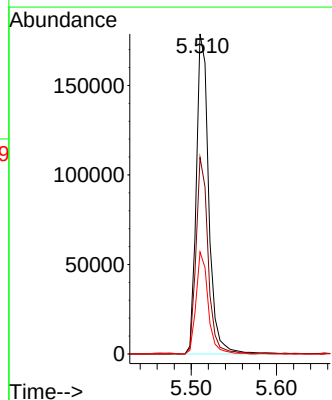
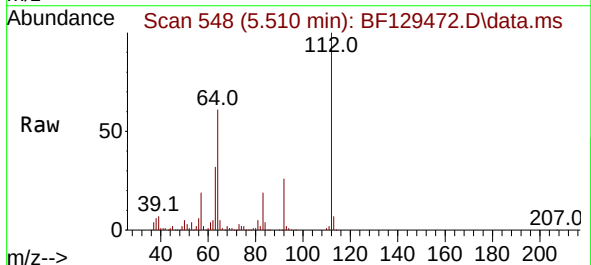
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-WATER-2DL

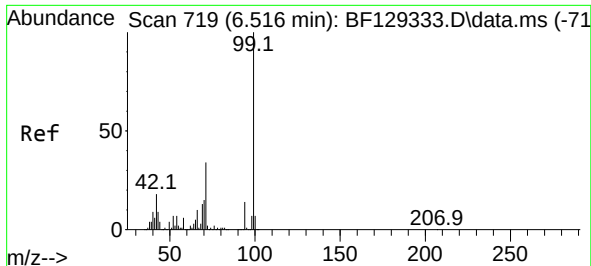
Tgt Ion:152 Resp: 185171
 Ion Ratio Lower Upper
 152 100
 150 155.8 123.7 185.5
 115 63.3 49.9 74.9



#5
 2-Fluorophenol
 Concen: 16.015 ng
 RT: 5.510 min Scan# 548
 Delta R.T. 0.006 min
 Lab File: BF129472.D
 Acq: 01 Aug 2022 14:26

Tgt Ion:112 Resp: 182042
 Ion Ratio Lower Upper
 112 100
 64 61.4 53.3 79.9
 63 31.9 28.0 42.0





#7

Phenol-d6

Concen: 11.091 ng

RT: 6.528 min Scan# 719

Delta R.T. 0.006 min

Lab File: BF129472.D

Acq: 01 Aug 2022 14:26

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-2DL

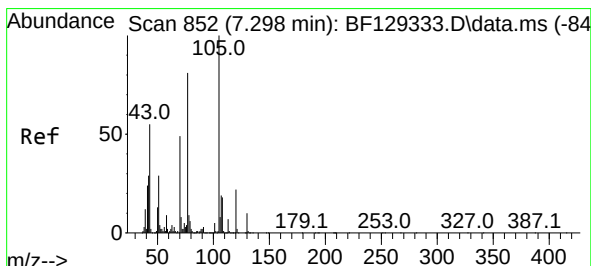
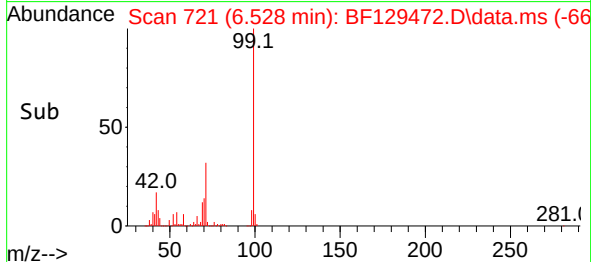
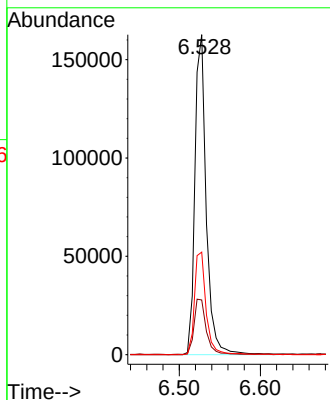
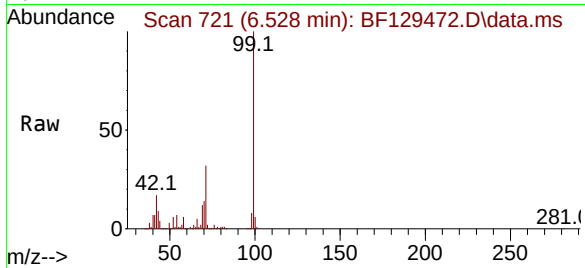
Tgt Ion: 99 Resp: 158467

Ion Ratio Lower Upper

99 100

42 17.1 17.3 25.9#

71 32.1 28.9 43.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.342 ng

RT: 7.434 min Scan# 875

Delta R.T. 0.141 min

Lab File: BF129472.D

Acq: 01 Aug 2022 14:26

Tgt Ion: 70 Resp: 28909

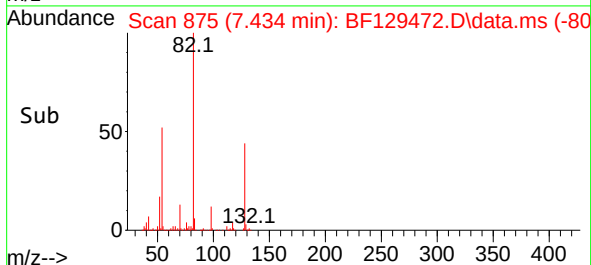
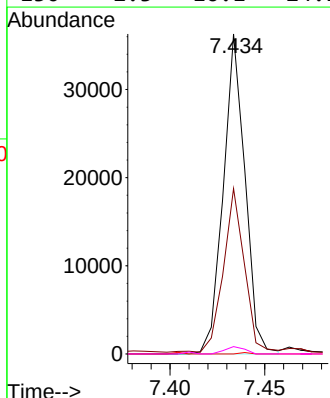
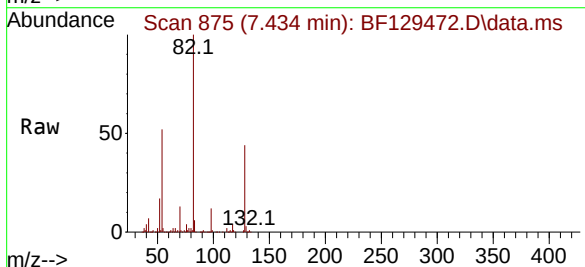
Ion Ratio Lower Upper

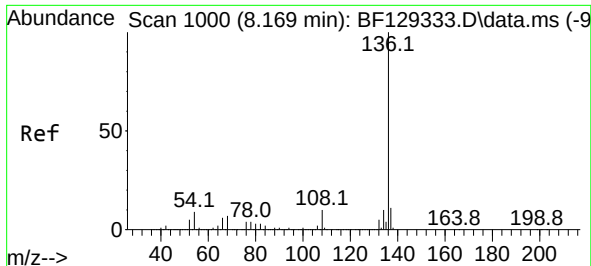
70 100

42 51.7 52.3 78.5#

101 0.0 7.5 11.3#

130 2.3 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129472.D

Acq: 01 Aug 2022 14:26

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-2DL

Tgt Ion:136 Resp: 720781

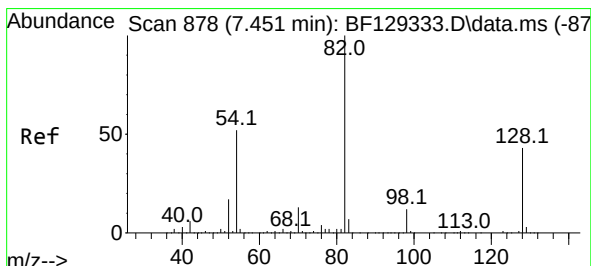
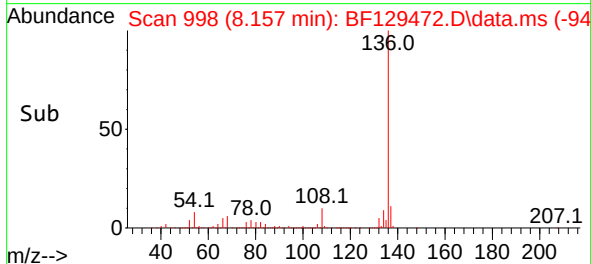
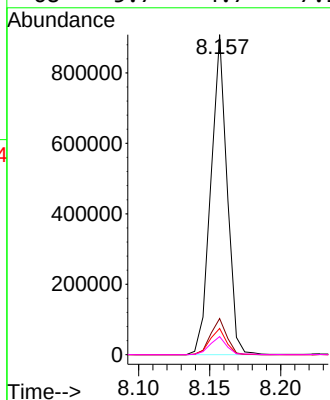
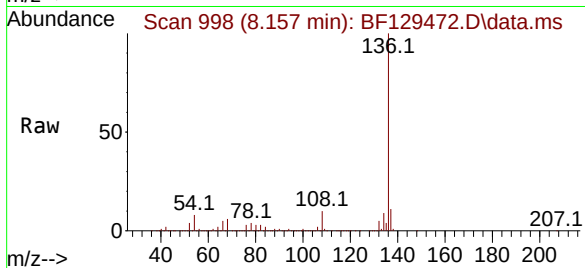
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 8.2 7.5 11.3

68 5.7 4.7 7.1



#23

Nitrobenzene-d5

Concen: 16.647 ng

RT: 7.434 min Scan# 875

Delta R.T. -0.012 min

Lab File: BF129472.D

Acq: 01 Aug 2022 14:26

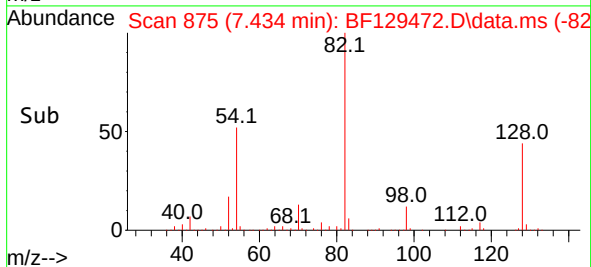
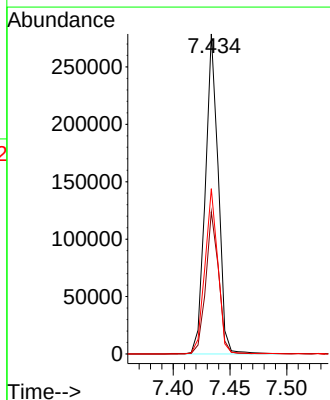
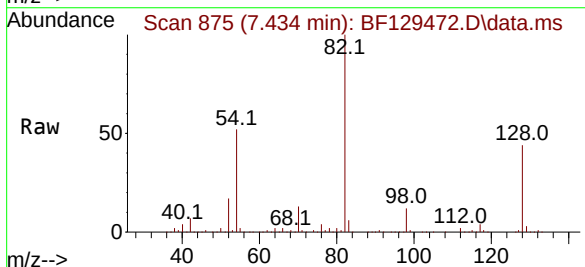
Tgt Ion: 82 Resp: 219805

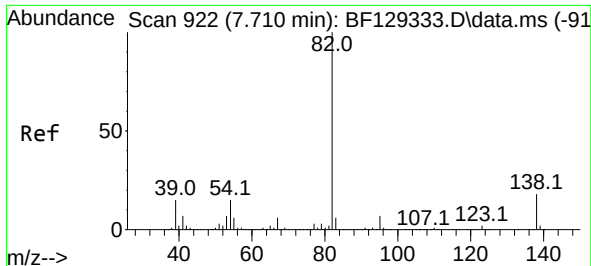
Ion Ratio Lower Upper

82 100

128 44.4 34.0 51.0

54 51.7 46.9 70.3

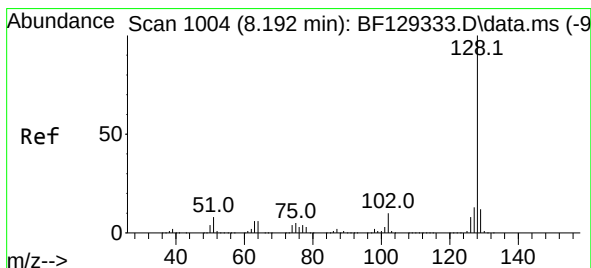
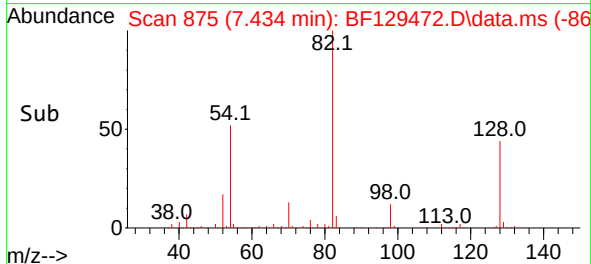
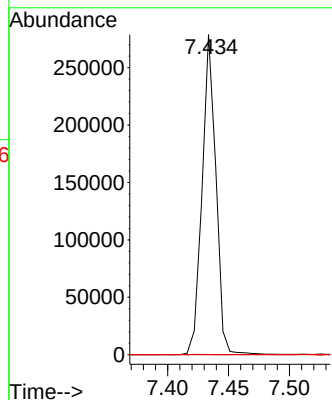
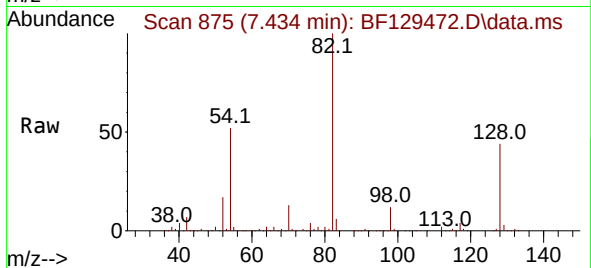




#25
Isophorone
Concen: 9.287 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

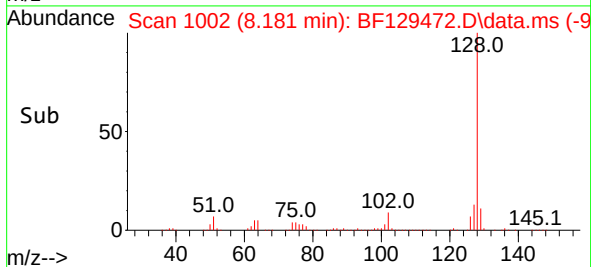
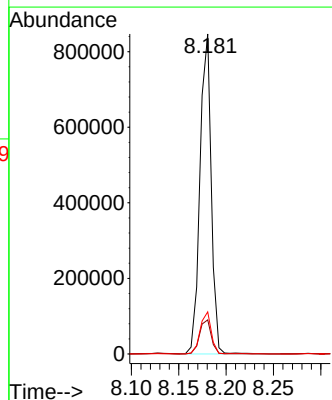
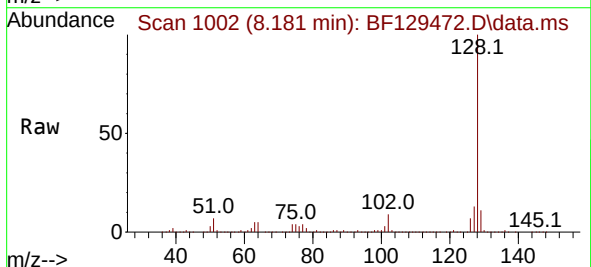
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2DL

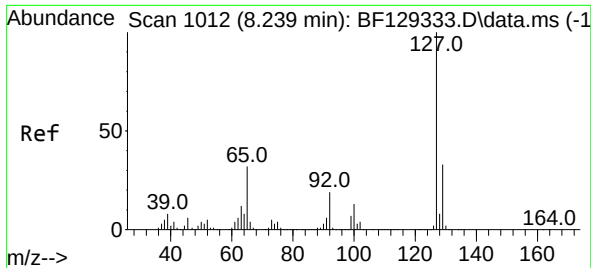
Tgt Ion: 82 Resp: 219802
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 19.127 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

Tgt Ion: 128 Resp: 700439
Ion Ratio Lower Upper
128 100
129 10.7 9.2 13.8
127 13.2 10.5 15.7

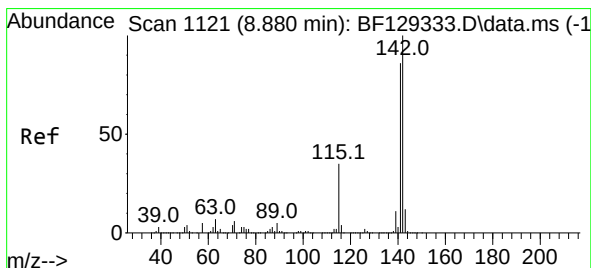
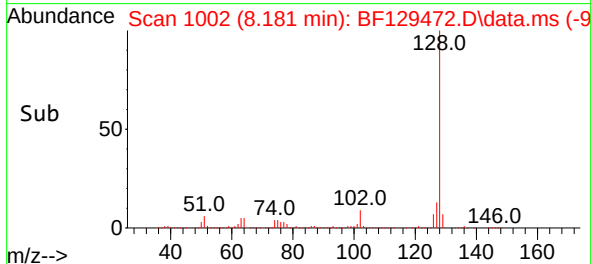
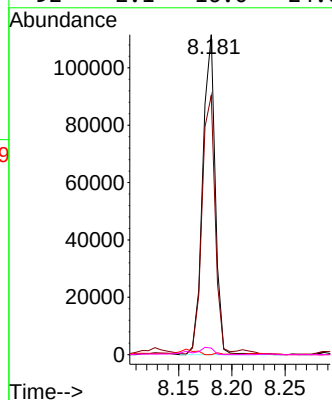
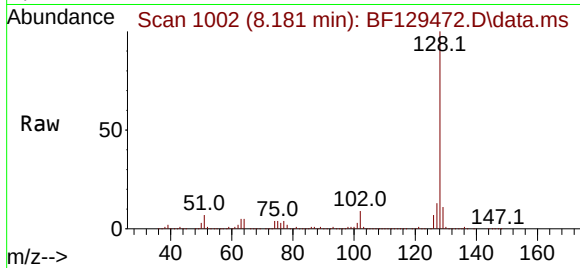




#33
4-Chloroaniline
Concen: 6.086 ng
RT: 8.181 min Scan# 1119
Delta R.T. -0.053 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

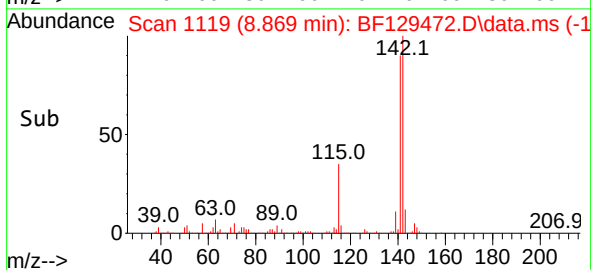
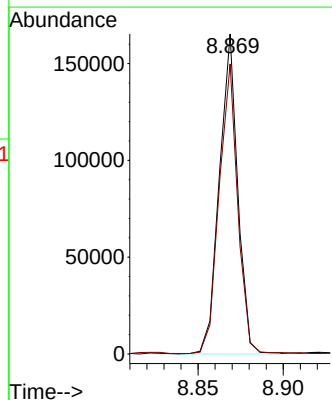
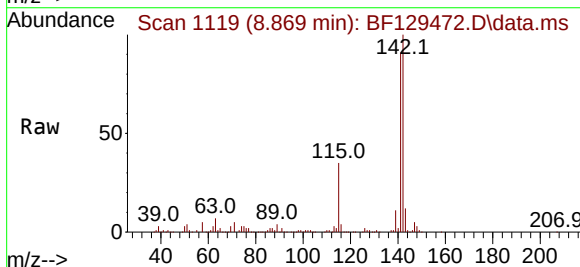
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2DL

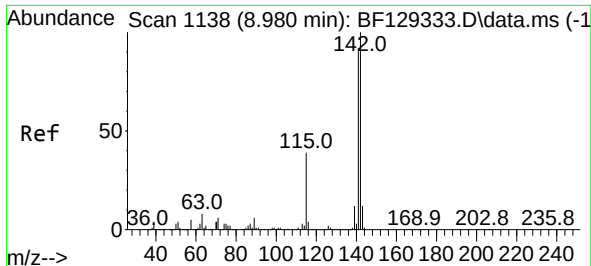
Tgt Ion:	127	Resp:	91502
Ion	Ratio	Lower	Upper
127	100		
129	81.0	26.4	39.6#
65	0.0	26.4	39.6#
92	2.1	16.0	24.0#



#37
2-Methylnaphthalene
Concen: 5.213 ng
RT: 8.869 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

Tgt Ion:	142	Resp:	124058
Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.0	106.4

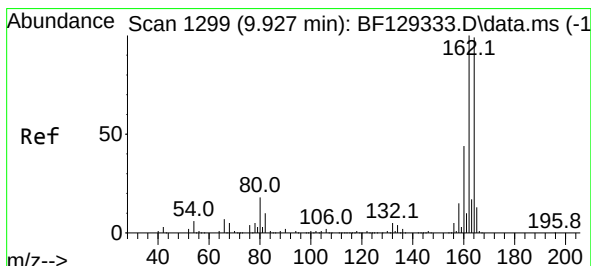
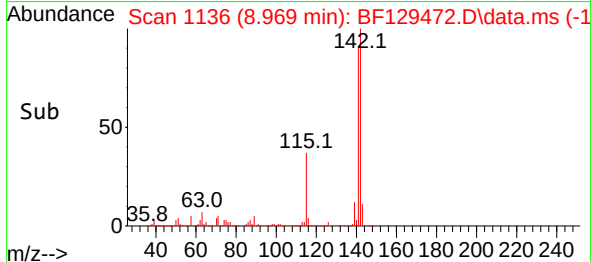
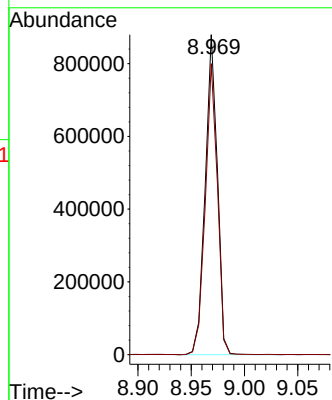
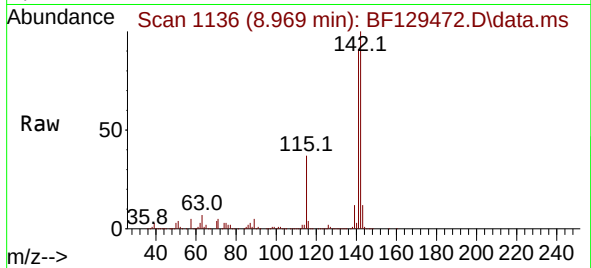




#38
1-Methylnaphthalene
Concen: 30.492 ng
RT: 8.969 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

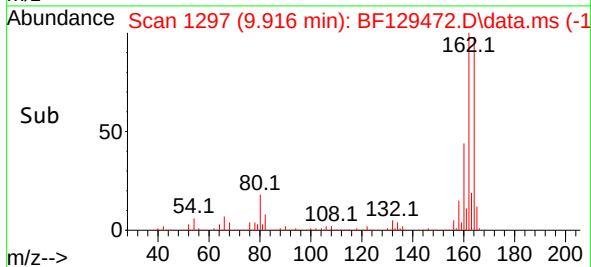
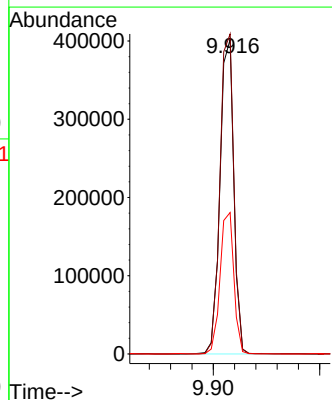
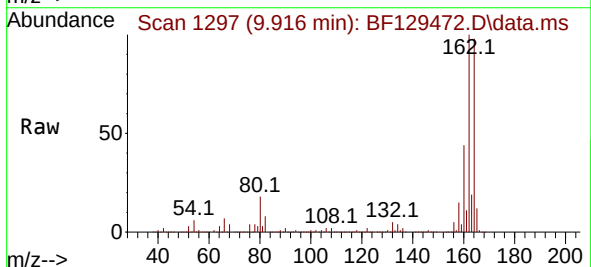
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BNA_F
ClientSampleId :
HMGP-WATER-2DL

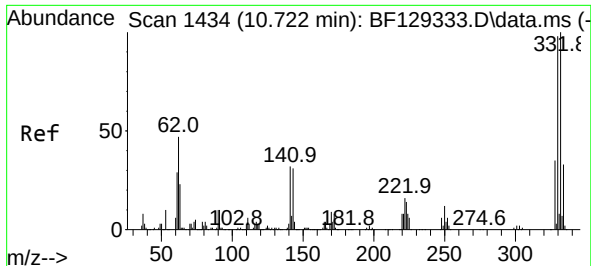
Tgt Ion:142 Resp: 700501
Ion Ratio Lower Upper
142 100
141 91.0 74.2 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

Tgt Ion:164 Resp: 359946
Ion Ratio Lower Upper
164 100
162 101.8 79.5 119.3
160 45.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 21.533 ng

RT: 10.704 min Scan# 1431

Delta R.T. -0.006 min

Lab File: BF129472.D

Acq: 01 Aug 2022 14:26

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-2DL

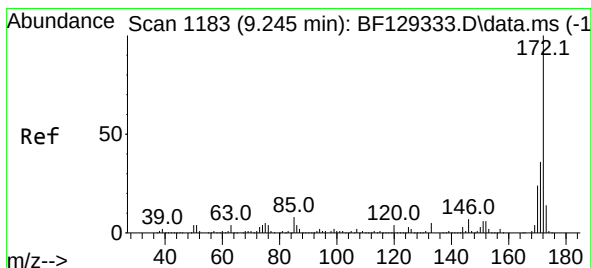
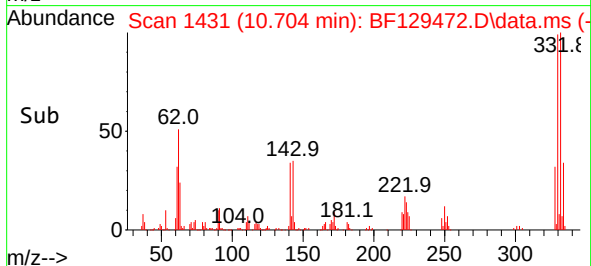
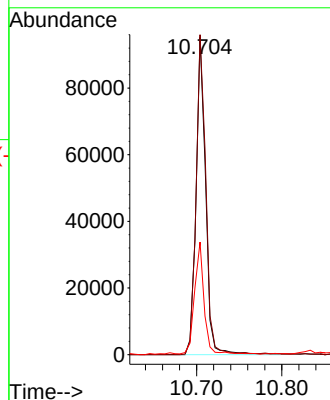
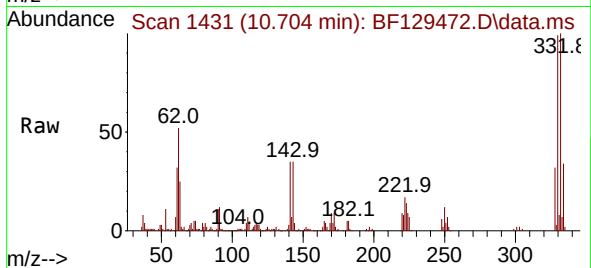
Tgt Ion:330 Resp: 74518

Ion Ratio Lower Upper

330 100

332 103.3 76.8 115.2

141 35.0 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 17.909 ng

RT: 9.228 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF129472.D

Acq: 01 Aug 2022 14:26

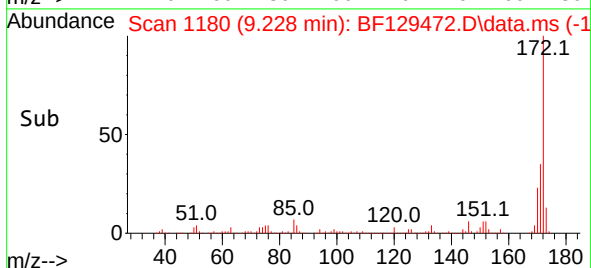
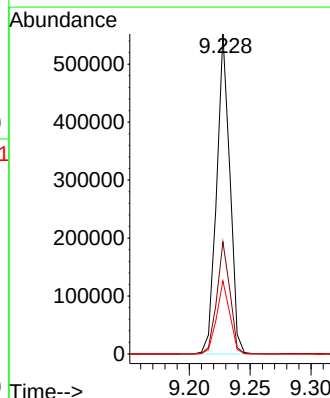
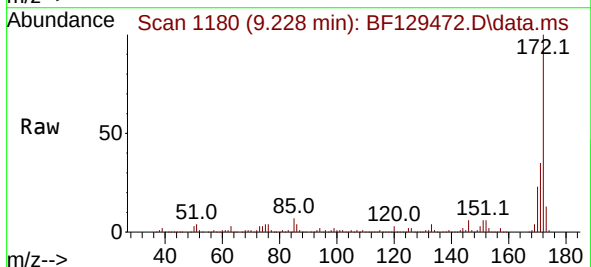
Tgt Ion:172 Resp: 416716

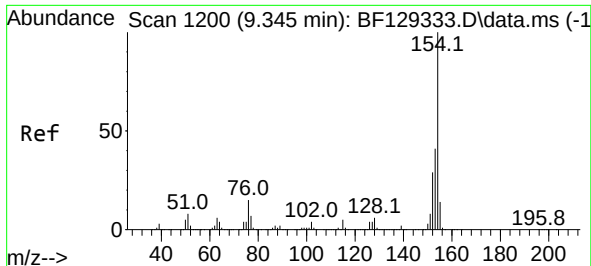
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 22.8 19.8 29.8





#46

1,1'-Biphenyl

Concen: 4.068 ng

RT: 9.328 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF129472.D

Acq: 01 Aug 2022 14:26

Instrument :

BNA_F

ClientSampleId :

HMGP-WATER-2DL

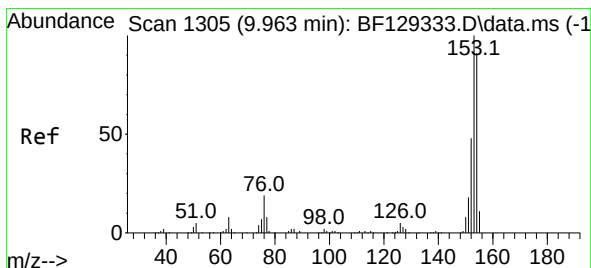
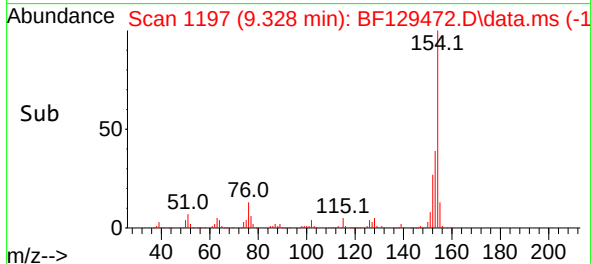
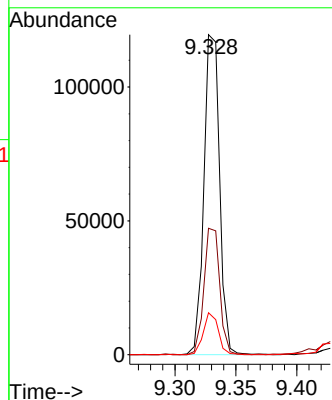
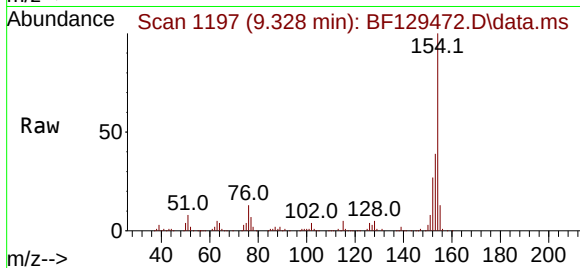
Tgt Ion:154 Resp: 106872

Ion Ratio Lower Upper

154 100

153 39.5 20.6 60.6

76 13.1 0.0 33.3



#52

Acenaphthene

Concen: 19.335 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF129472.D

Acq: 01 Aug 2022 14:26

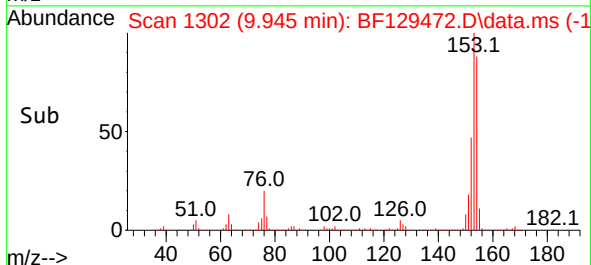
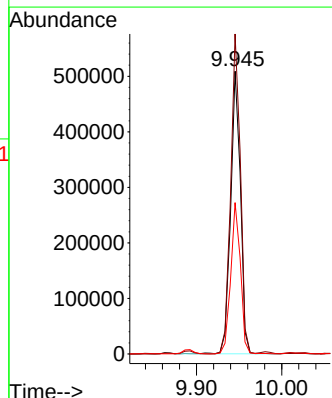
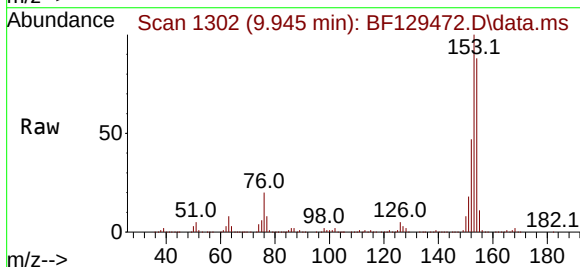
Tgt Ion:154 Resp: 407488

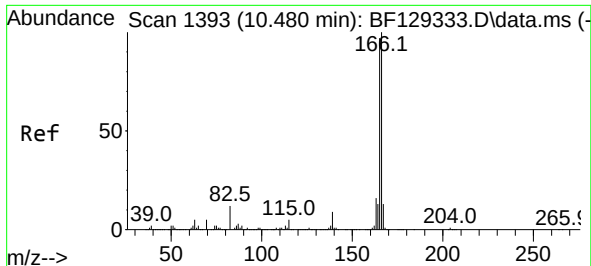
Ion Ratio Lower Upper

154 100

153 113.2 89.6 134.4

152 53.5 42.4 63.6

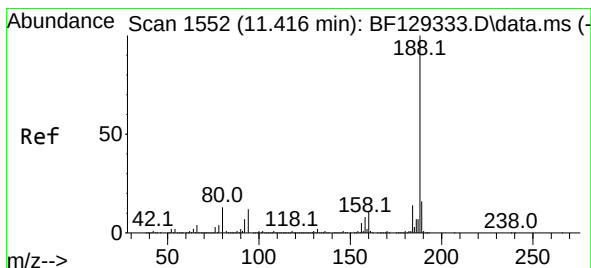
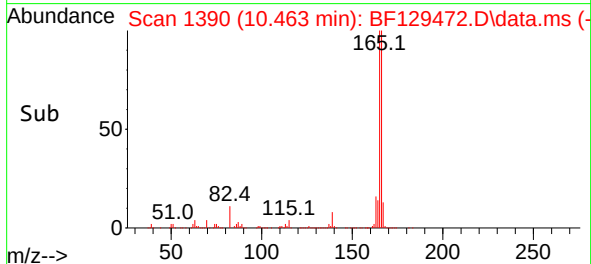
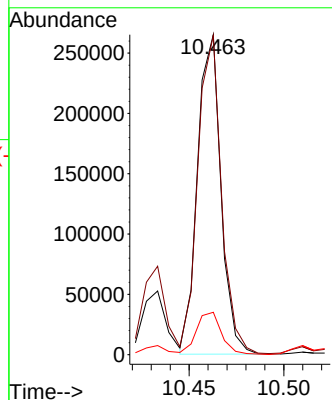
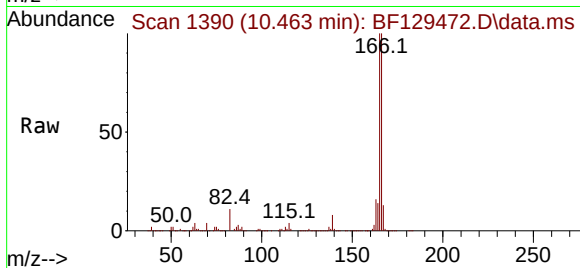




#58
 Fluorene
 Concen: 9.787 ng
 RT: 10.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129472.D
 Acq: 01 Aug 2022 14:26

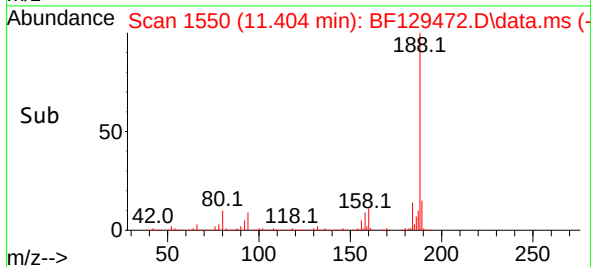
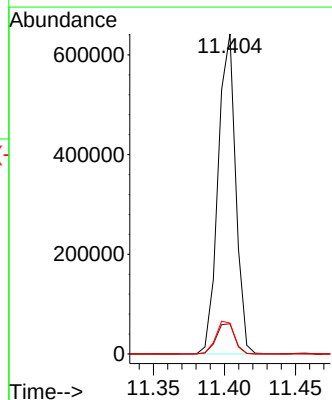
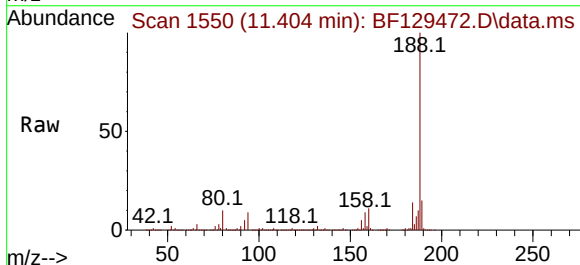
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-WATER-2DL

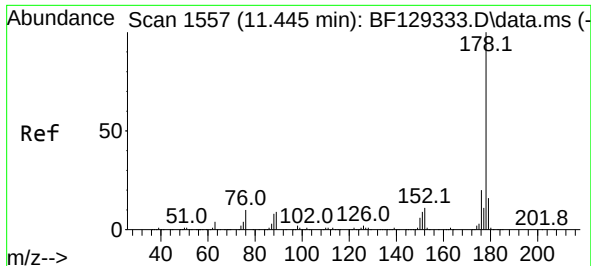
Tgt Ion:166 Resp: 227515
 Ion Ratio Lower Upper
 166 100
 165 99.8 78.1 117.1
 167 13.3 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1550
 Delta R.T. -0.000 min
 Lab File: BF129472.D
 Acq: 01 Aug 2022 14:26

Tgt Ion:188 Resp: 553690
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.0 10.6
 80 9.7 7.6 11.4

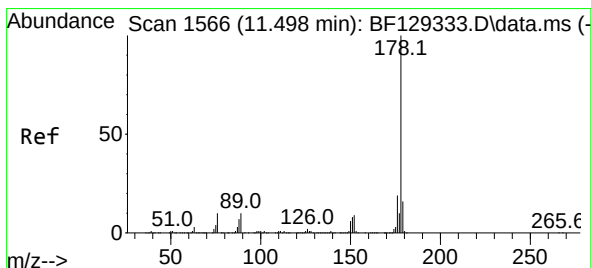
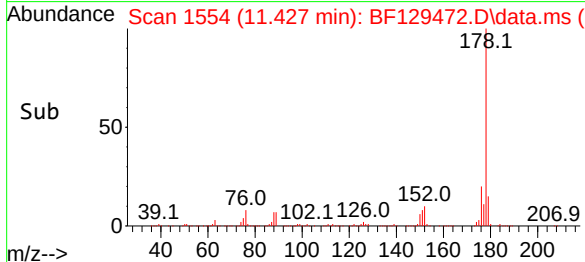
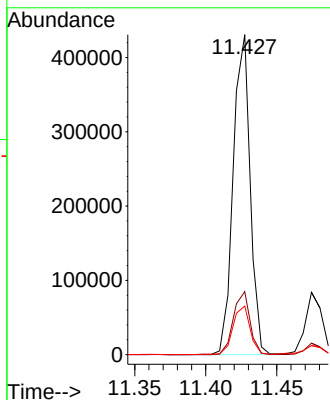
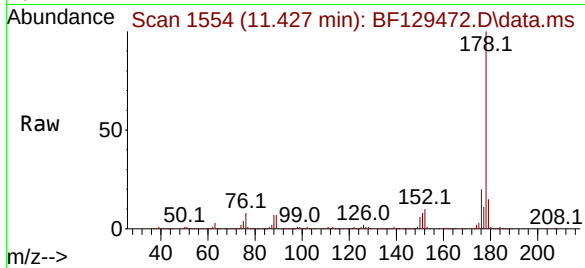




#71
Phenanthrene
Concen: 11.836 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

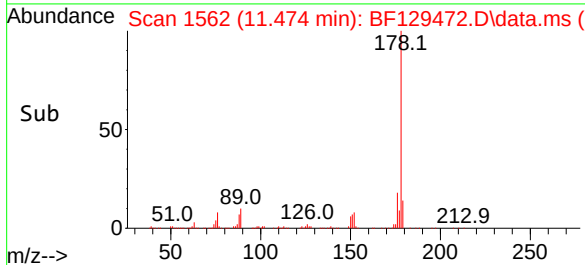
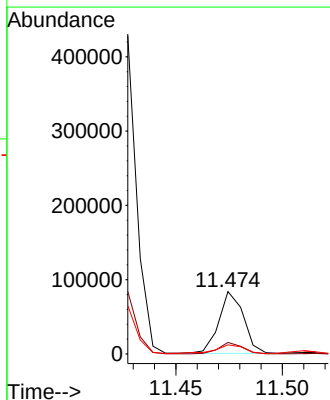
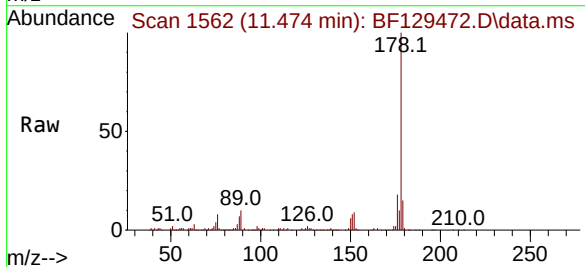
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2DL

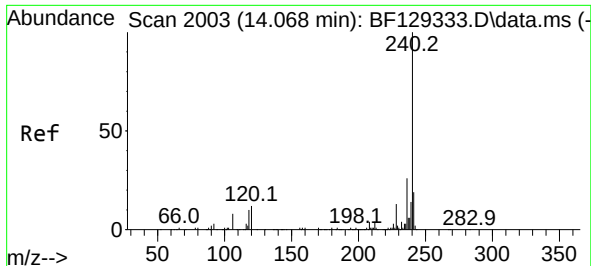
Tgt Ion:178 Resp: 357728
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.2 12.6 19.0



#72
Anthracene
Concen: 2.259 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

Tgt Ion:178 Resp: 67086
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 14.7 12.6 19.0

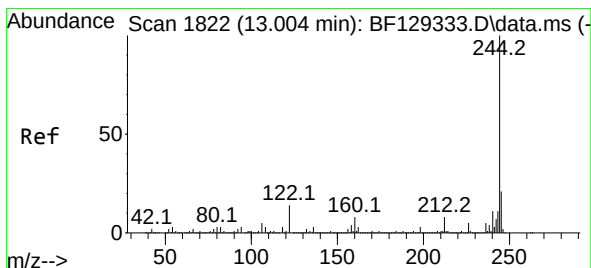
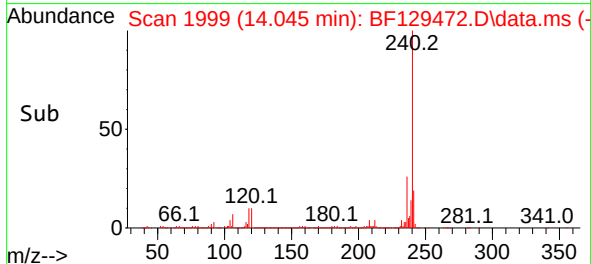
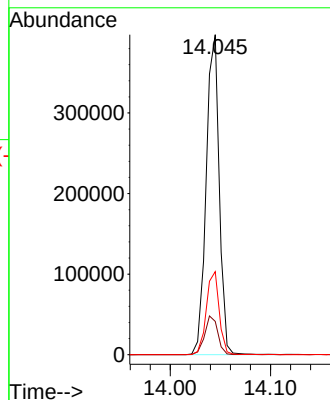
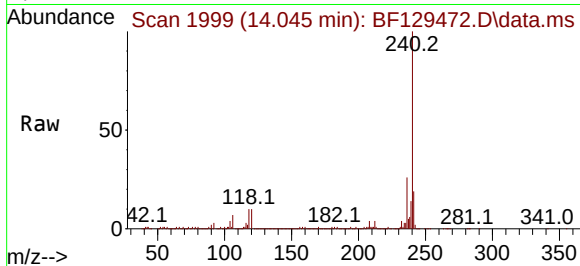




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

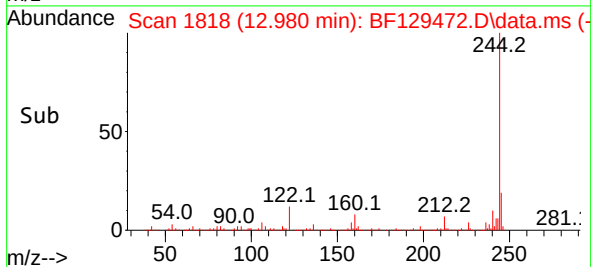
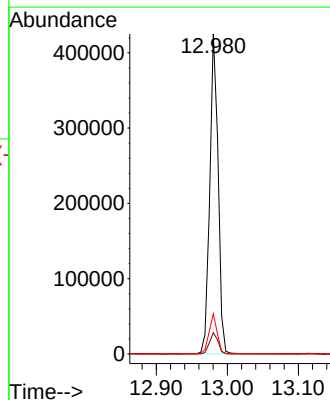
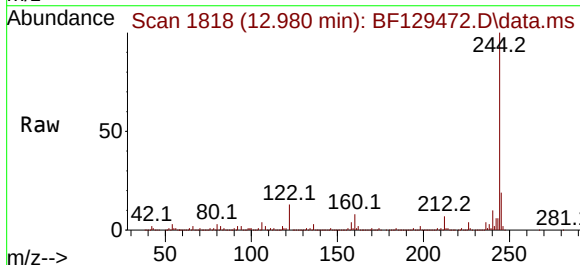
Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2DL

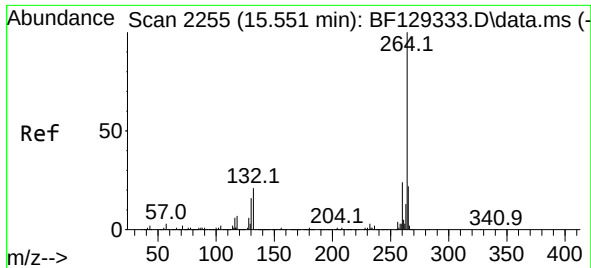
Tgt Ion:240 Resp: 361492
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.9 20.8 31.2



#79
Terphenyl-d14
Concen: 18.202 ng
RT: 12.980 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

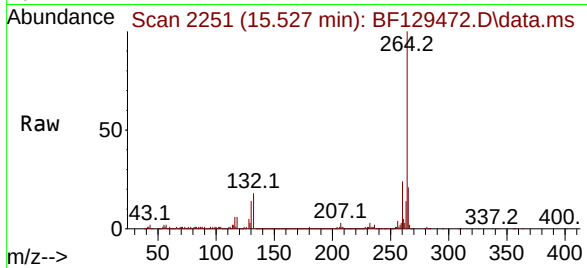
Tgt Ion:244 Resp: 348773
Ion Ratio Lower Upper
244 100
212 6.6 6.1 9.1
122 12.6 8.8 13.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129472.D
Acq: 01 Aug 2022 14:26

Instrument :
BNA_F
ClientSampleId :
HMGP-WATER-2DL



Tgt Ion:	264	Resp:	429468
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.4	27.6
265	21.3	17.2	25.8

