

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021422\
 Data File : BF126873.D
 Acq On : 14 Feb 2022 16:14
 Operator : CG\JU
 Sample : N1537-01DL3 1250X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATERDL3

Quant Time: Feb 15 00:59:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 10 00:44:00 2022
 Response via : Initial Calibration

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

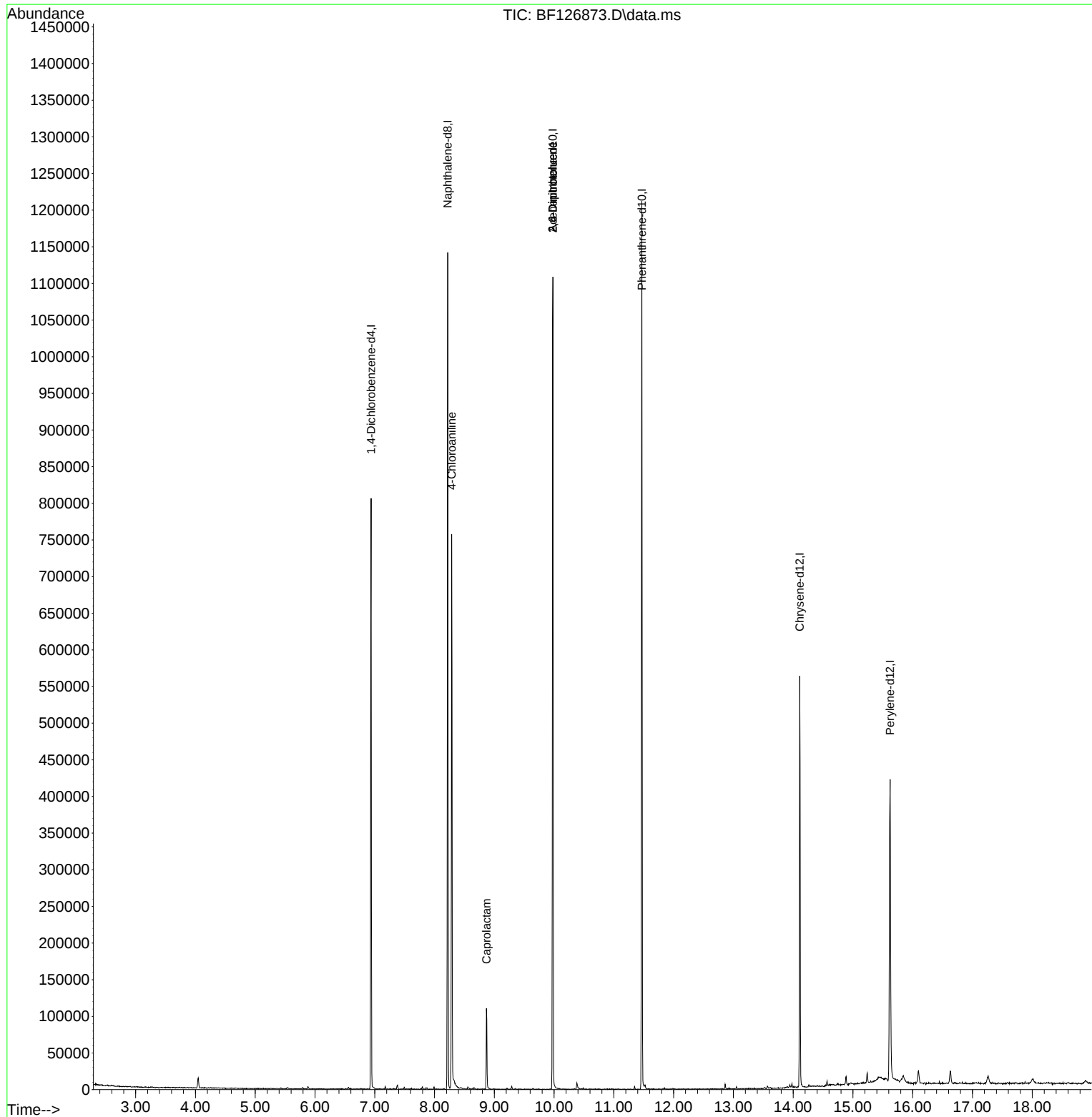
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	103494	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	431459	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	224646	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	379001	20.000	ng	0.00
76) Chrysene-d12	14.110	240	176558	20.000	ng	-0.01
86) Perylene-d12	15.621	264	180087	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	158	0.024	ng	0.00
7) Phenol-d6	6.551	99	210	0.023	ng	-0.01
23) Nitrobenzene-d5	7.492	82	838	0.090	ng	-0.02
42) 2,4,6-Tribromophenol	10.769	330	73	0.030	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	1620	0.109	ng	-0.01
79) Terphenyl-d14	13.051	244	1350	0.110	ng	-0.01
Target Compounds						
33) 4-Chloroaniline	8.286	127	189197	21.476	ng	Qvalue 98
35) Caprolactam	8.869	113	4215	2.091	ng	# 1
51) 2,6-Dinitrotoluene	9.980	165	28056	8.717	ng	# 21
57) 2,4-Dinitrotoluene	9.980	165	28056	6.593	ng	# 16

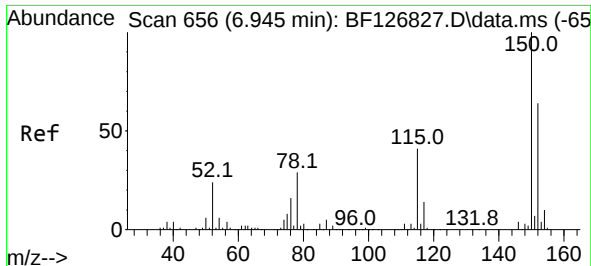
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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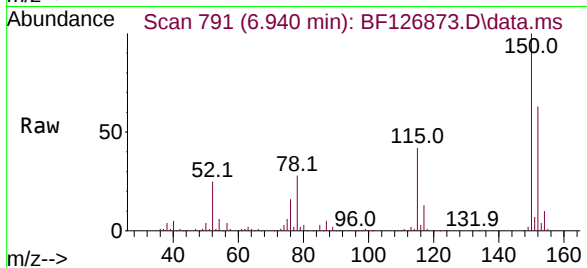
Quant Time: Feb 15 00:59:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020922.M
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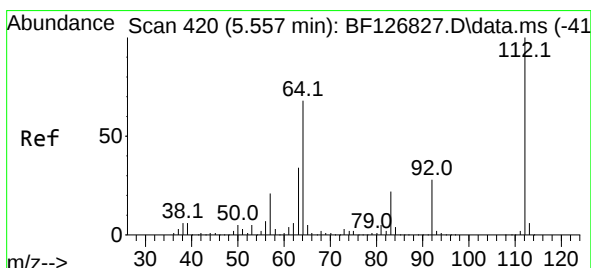
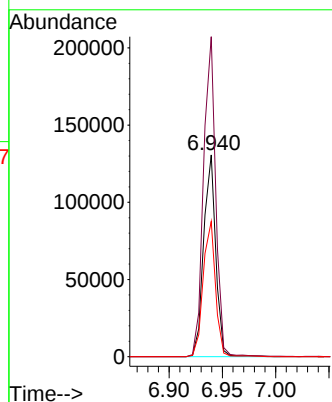
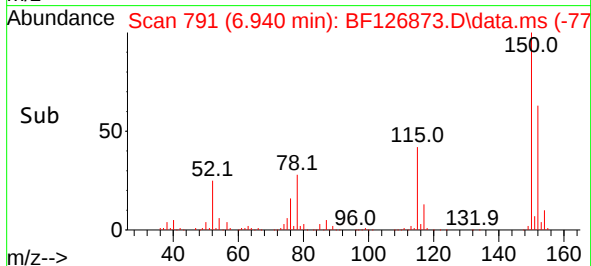


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF126873.D
Acq: 14 Feb 2022 16:14

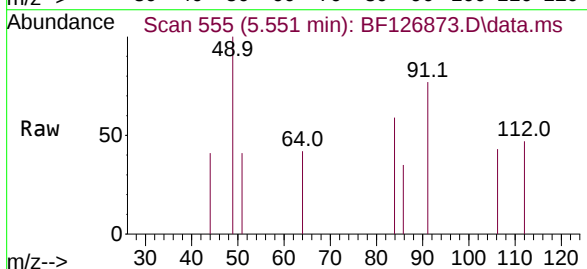
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERDL3



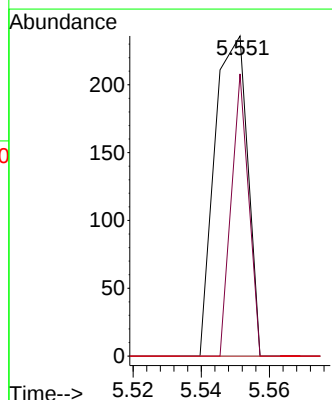
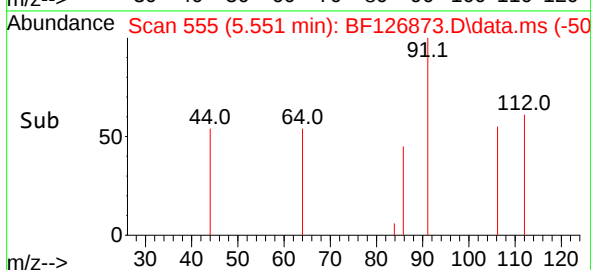
Tgt Ion:152 Resp: 103494
Ion Ratio Lower Upper
152 100
150 158.6 124.3 186.5
115 67.0 50.5 75.7

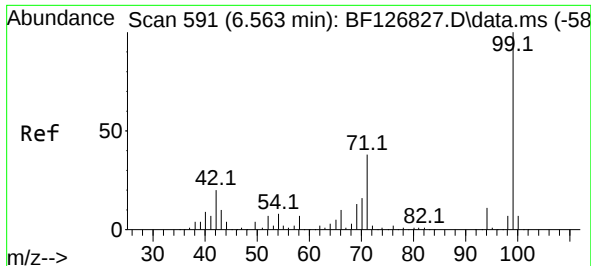


#5
2-Fluorophenol
Concen: 0.024 ng
RT: 5.551 min Scan# 555
Delta R.T. -0.006 min
Lab File: BF126873.D
Acq: 14 Feb 2022 16:14



Tgt Ion:112 Resp: 158
Ion Ratio Lower Upper
112 100
64 88.1 54.3 81.5#
63 0.0 27.5 41.3#

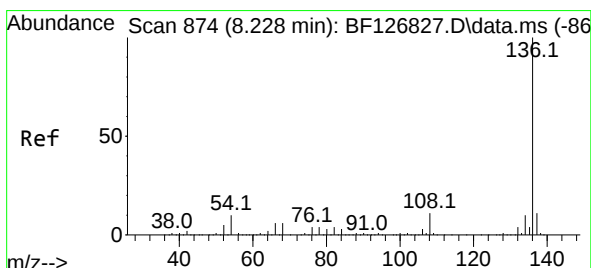
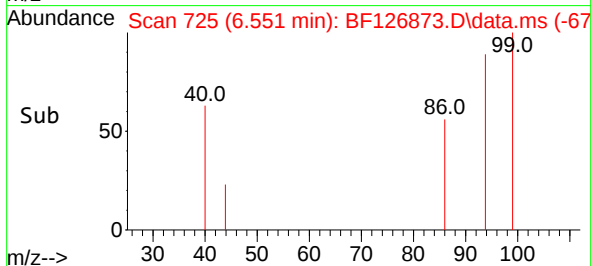
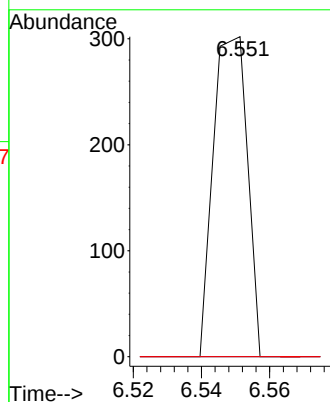
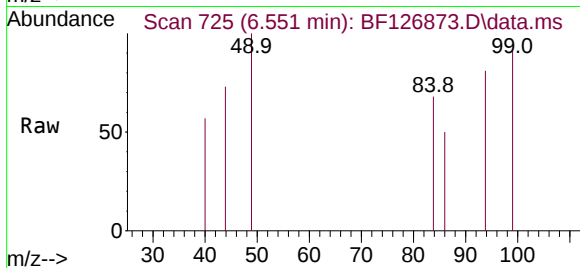




#7
Phenol-d6
Concen: 0.023 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126873.D
Acq: 14 Feb 2022 16:14

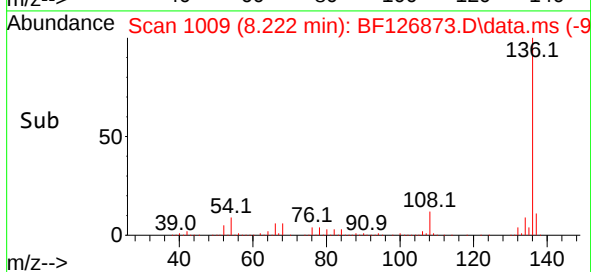
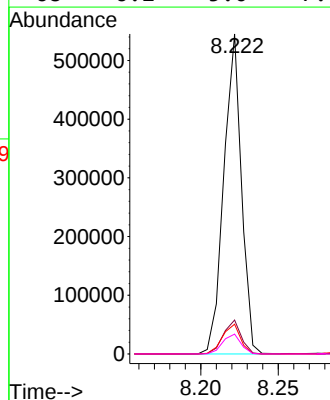
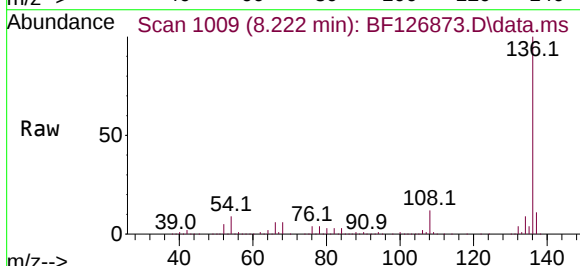
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERDL3

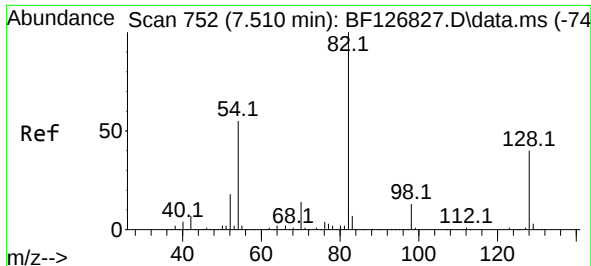
Tgt Ion: 99 Resp: 210
Ion Ratio Lower Upper
99 100
42 0.0 15.8 23.6#
71 0.0 30.6 45.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF126873.D
Acq: 14 Feb 2022 16:14

Tgt Ion: 136 Resp: 431459
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.3 8.0 12.0
68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 0.090 ng

RT: 7.492 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF126873.D

Acq: 14 Feb 2022 16:14

Instrument :

BNA_F

ClientSampleId :

GROUNDWATERDL3

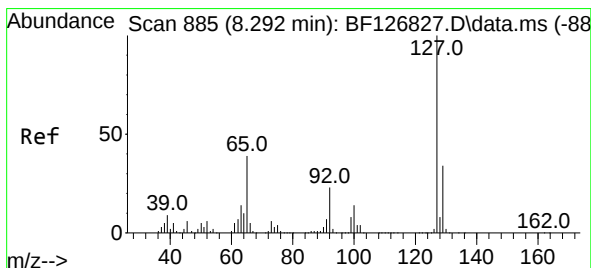
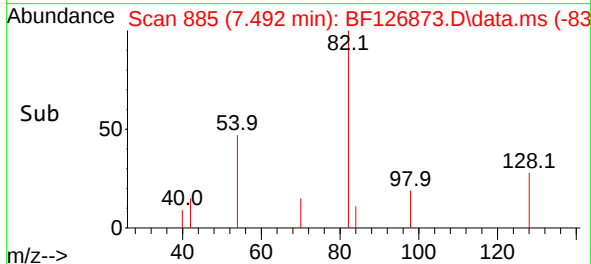
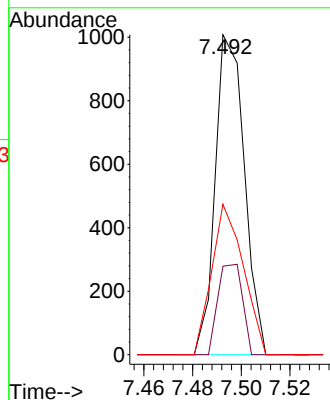
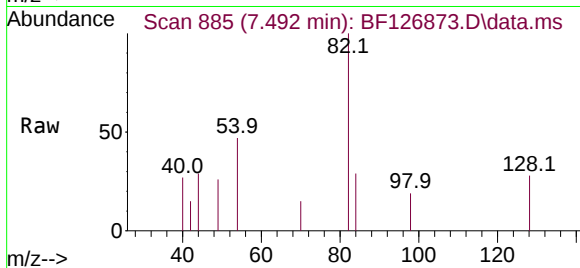
Tgt Ion: 82 Resp: 838

Ion Ratio Lower Upper

82 100

128 27.7 31.6 47.4#

54 47.0 43.7 65.5



#33

4-Chloroaniline

Concen: 21.476 ng

RT: 8.286 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF126873.D

Acq: 14 Feb 2022 16:14

Tgt Ion:127 Resp: 189197

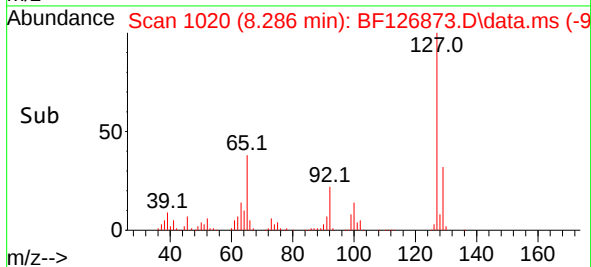
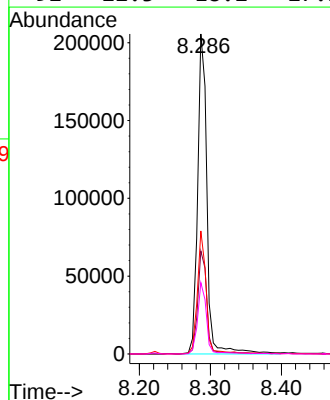
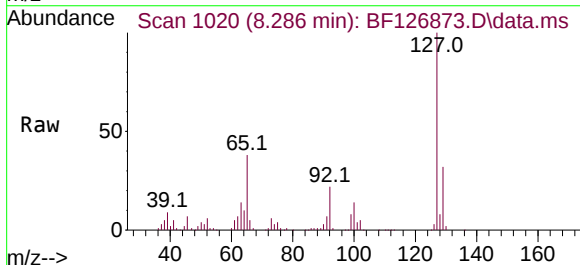
Ion Ratio Lower Upper

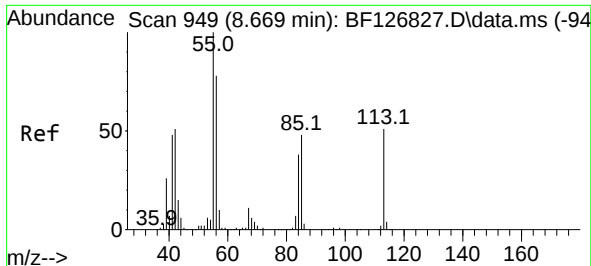
127 100

129 32.2 27.1 40.7

65 38.4 31.4 47.2

92 22.3 18.2 27.2

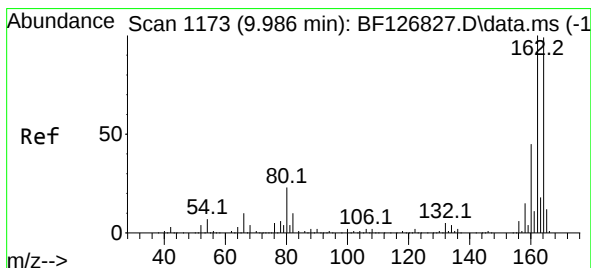
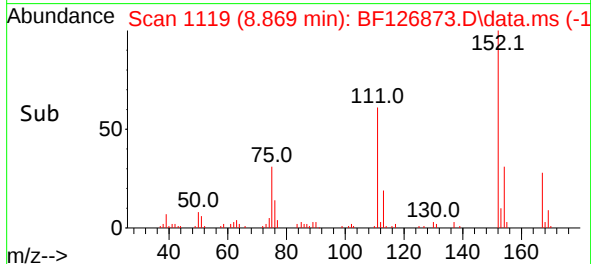
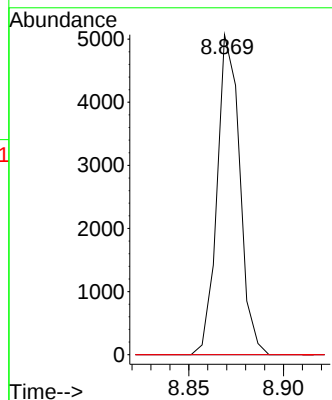
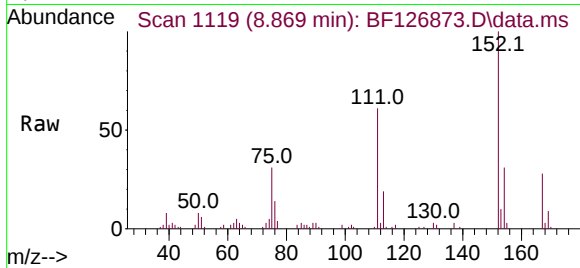




#35
 Caprolactam
 Concen: 2.091 ng
 RT: 8.869 min Scan# 1119
 Delta R.T. 0.200 min
 Lab File: BF126873.D
 Acq: 14 Feb 2022 16:14

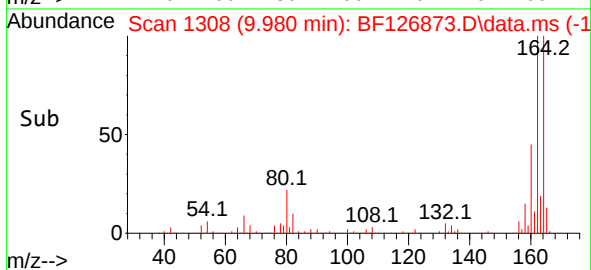
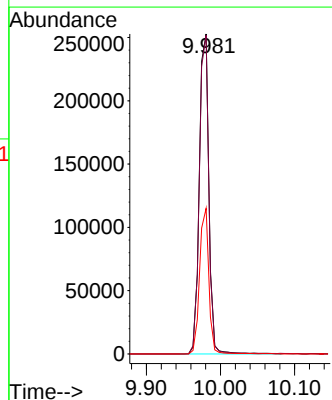
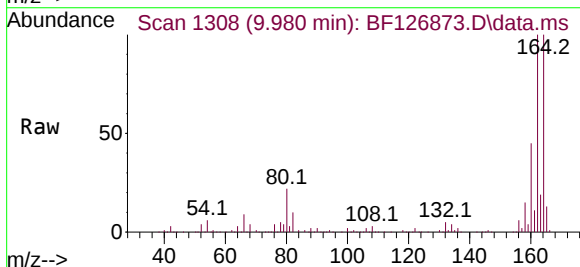
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATERDL3

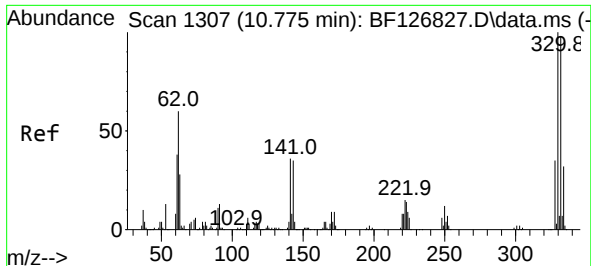
Tgt Ion:113 Resp: 4215
 Ion Ratio Lower Upper
 113 100
 55 0.0 178.3 218.3#
 56 0.0 135.1 175.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.980 min Scan# 1308
 Delta R.T. -0.006 min
 Lab File: BF126873.D
 Acq: 14 Feb 2022 16:14

Tgt Ion:164 Resp: 224646
 Ion Ratio Lower Upper
 164 100
 162 99.6 80.9 121.3
 160 45.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 0.030 ng

RT: 10.769 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF126873.D

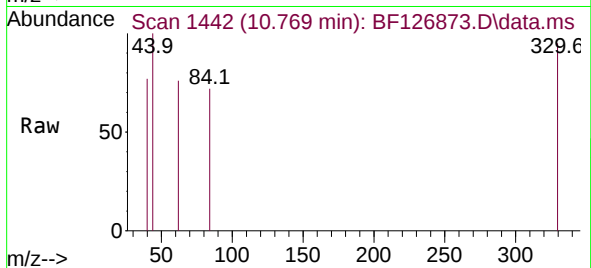
Acq: 14 Feb 2022 16:14

Instrument :

BNA_F

ClientSampleId :

GROUNDWATERDL3



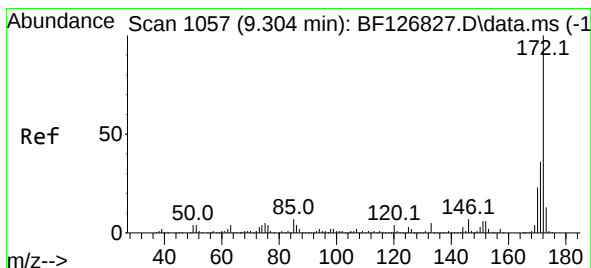
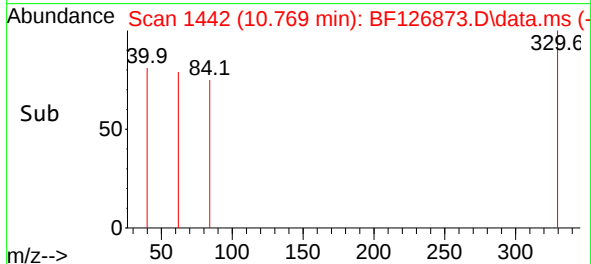
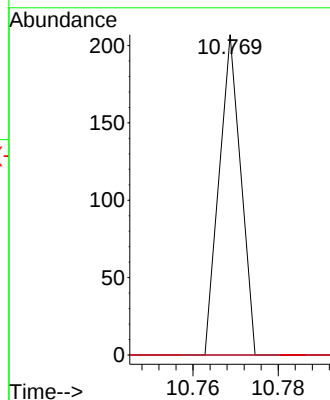
Tgt Ion:330 Resp: 73

Ion Ratio Lower Upper

330 100

332 0.0 78.2 117.4#

141 0.0 31.2 46.8#



#45

2-Fluorobiphenyl

Concen: 0.109 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF126873.D

Acq: 14 Feb 2022 16:14

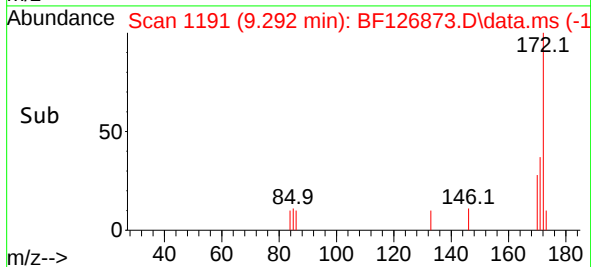
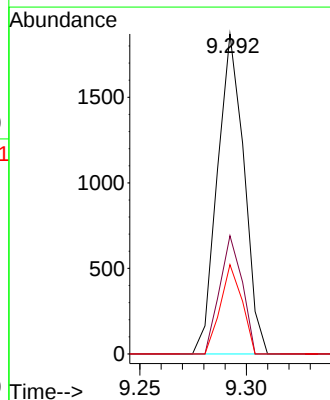
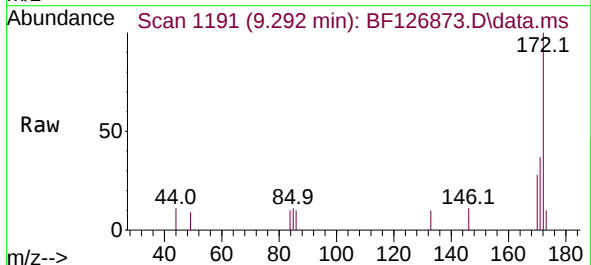
Tgt Ion:172 Resp: 1620

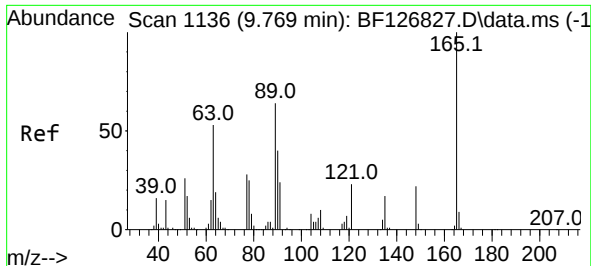
Ion Ratio Lower Upper

172 100

171 37.0 28.5 42.7

170 27.9 18.7 28.1

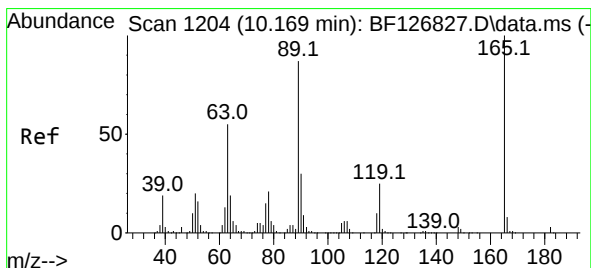
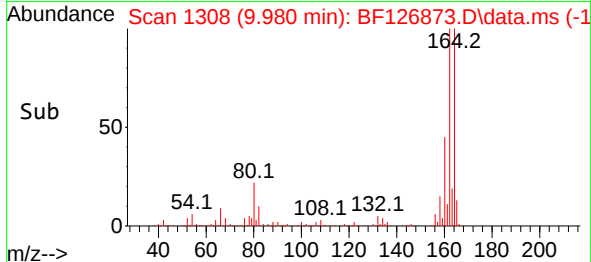
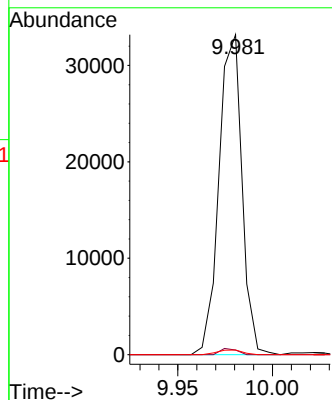
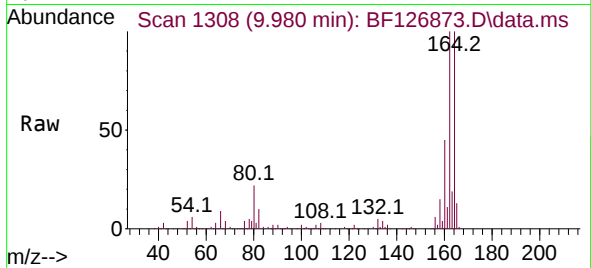




#51
2,6-Dinitrotoluene
Concen: 8.717 ng
RT: 9.980 min Scan# 1136
Delta R.T. 0.211 min
Lab File: BF126873.D
Acq: 14 Feb 2022 16:14

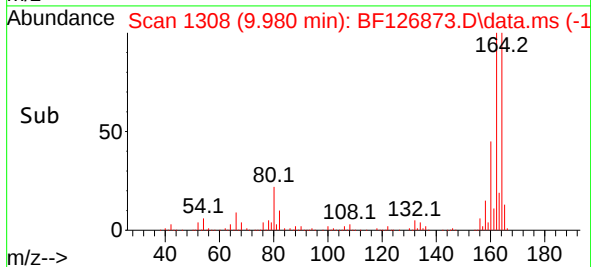
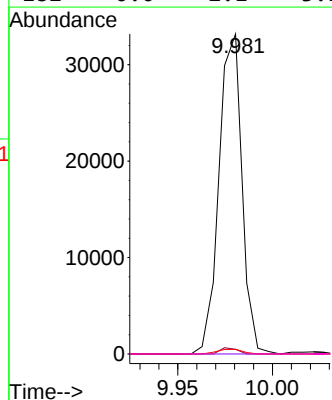
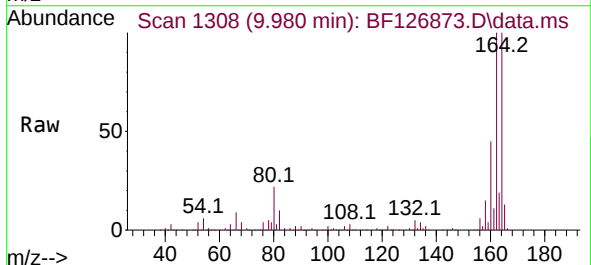
Instrument :
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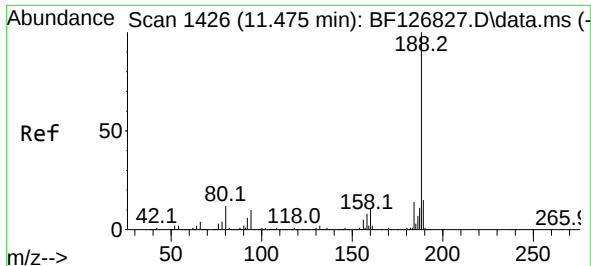
Tgt Ion:165 Resp: 28056
Ion Ratio Lower Upper
165 100
63 1.5 49.9 74.9#
89 1.4 51.0 76.4#



#57
2,4-Dinitrotoluene
Concen: 6.593 ng
RT: 9.980 min Scan# 1308
Delta R.T. -0.188 min
Lab File: BF126873.D
Acq: 14 Feb 2022 16:14

Tgt Ion:165 Resp: 28056
Ion Ratio Lower Upper
165 100
63 1.5 43.9 65.9#
89 1.4 69.8 104.8#
182 0.0 2.1 3.1#

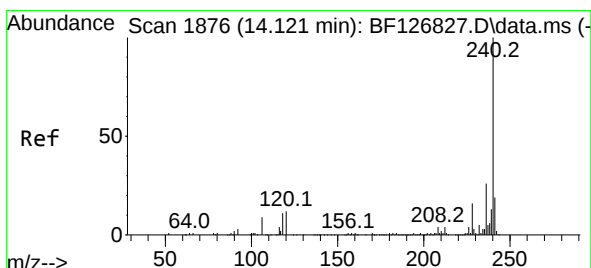
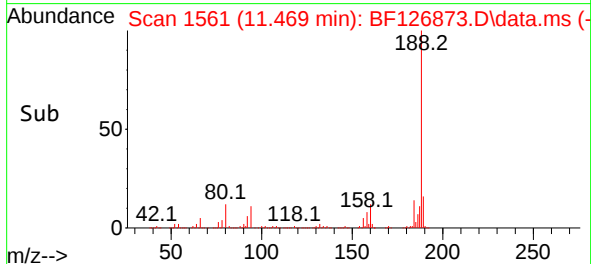
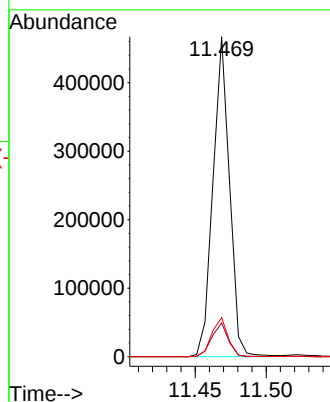
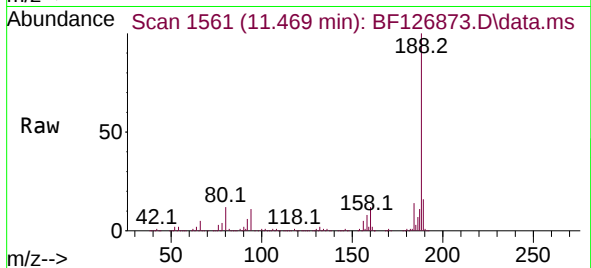




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126873.D
Acq: 14 Feb 2022 16:14

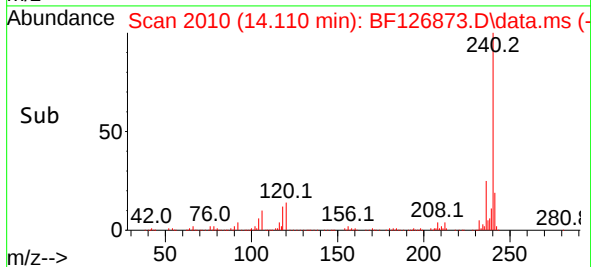
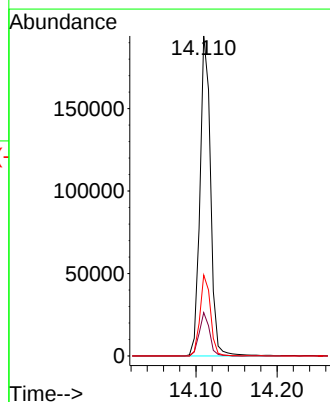
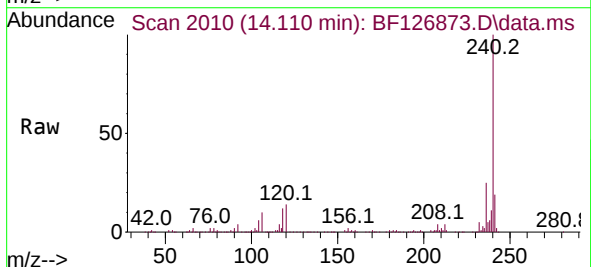
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERDL3

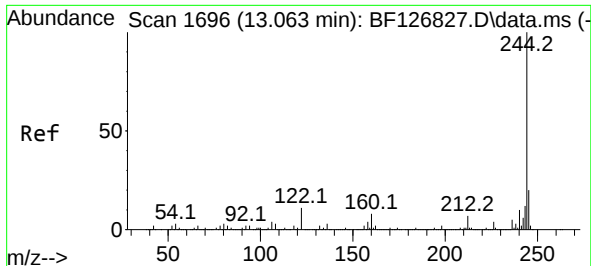
Tgt Ion:188 Resp: 379001
Ion Ratio Lower Upper
188 100
94 10.6 8.1 12.1
80 12.2 9.5 14.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF126873.D
Acq: 14 Feb 2022 16:14

Tgt Ion:240 Resp: 176558
Ion Ratio Lower Upper
240 100
120 13.5 9.8 14.6
236 25.3 20.5 30.7

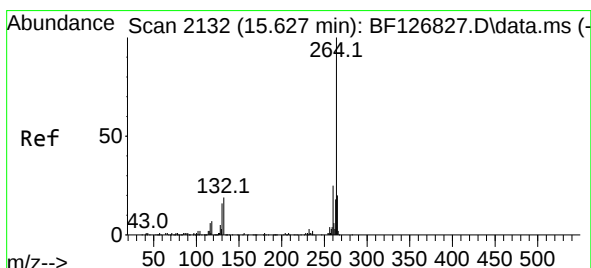
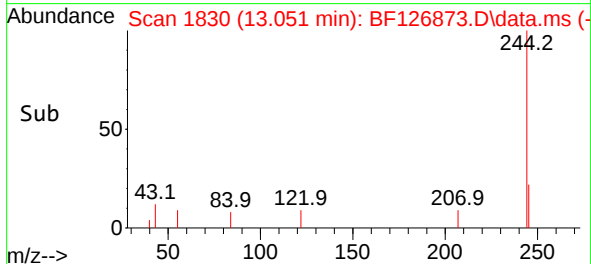
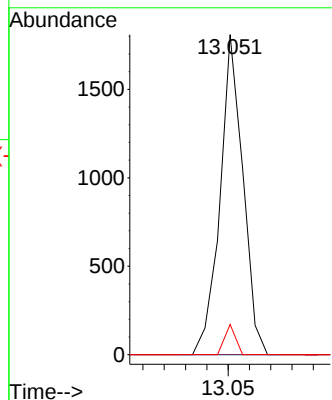
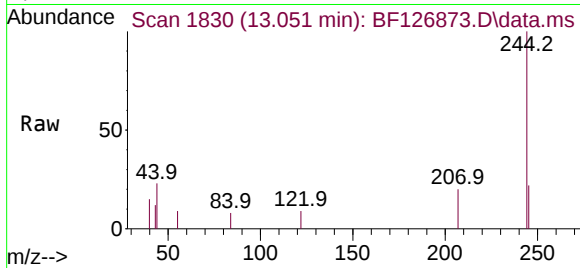




#79
 Terphenyl-d14
 Concen: 0.110 ng
 RT: 13.051 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126873.D
 Acq: 14 Feb 2022 16:14

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATERDL3

Tgt Ion:244 Resp: 1350
 Ion Ratio Lower Upper
 244 100
 212 0.0 5.6 8.4#
 122 9.5 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 2267
 Delta R.T. -0.006 min
 Lab File: BF126873.D
 Acq: 14 Feb 2022 16:14

Tgt Ion:264 Resp: 180087
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.6 29.4
 265 21.8 15.9 23.9

