

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021122\
 Data File : BF126864.D
 Acq On : 11 Feb 2022 18:27
 Operator : CG\JU
 Sample : N1357-01DL2 250X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATERDL2

Quant Time: Feb 11 22:44:13 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

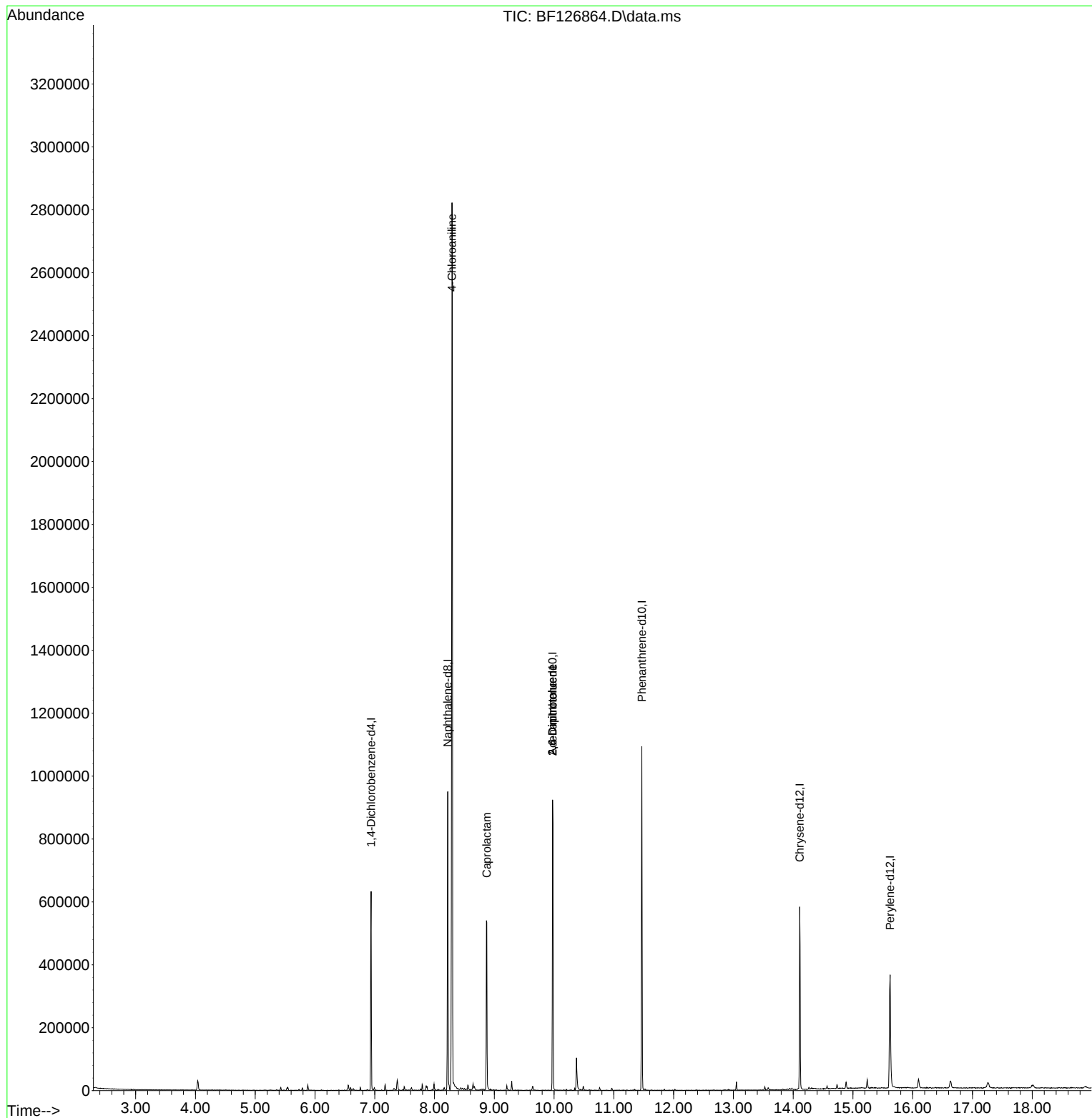
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	82697	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	341648	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	179154	20.000	ng	-0.01
64) Phenanthrene-d10	11.469	188	333175	20.000	ng	0.00
76) Chrysene-d12	14.110	240	180986	20.000	ng	-0.01
86) Perylene-d12	15.621	264	156736	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	1544	0.287	ng	-0.01
7) Phenol-d6	6.545	99	1708	0.236	ng	-0.02
23) Nitrobenzene-d5	7.492	82	3852	0.520	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	1059	0.551	ng	-0.01
45) 2-Fluorobiphenyl	9.292	172	7258	0.610	ng	-0.01
79) Terphenyl-d14	13.051	244	8990	0.712	ng	-0.01
Target Compounds						
33) 4-Chloroaniline	8.292	127	788613	113.046	ng	98
35) Caprolactam	8.875	113	19698	12.340	ng	# 1
51) 2,6-Dinitrotoluene	9.975	165	22535	8.780	ng	# 21
57) 2,4-Dinitrotoluene	9.975	165	22535	6.641	ng	# 17

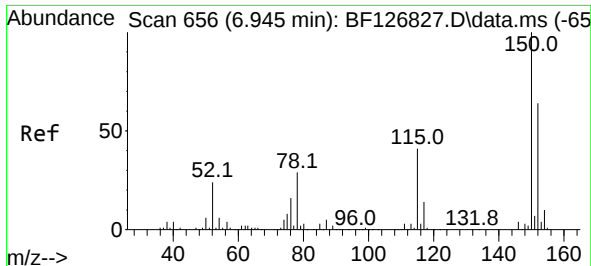
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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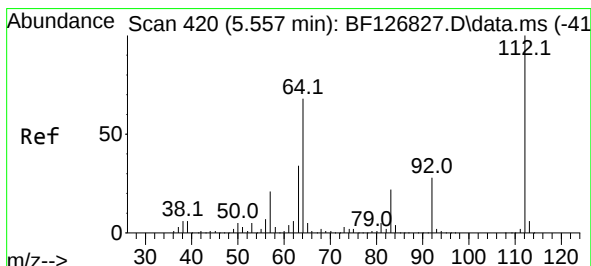
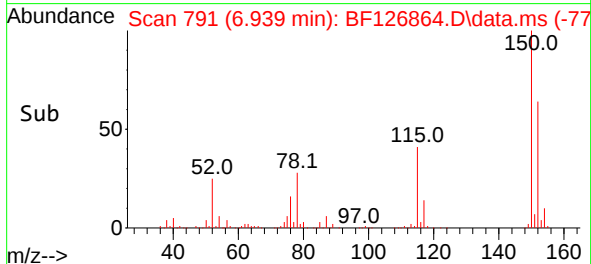
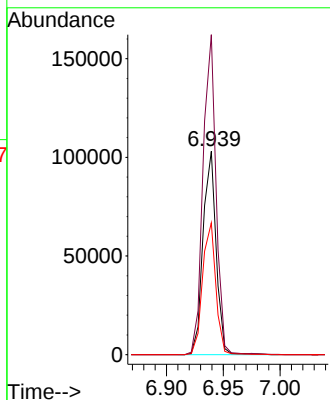
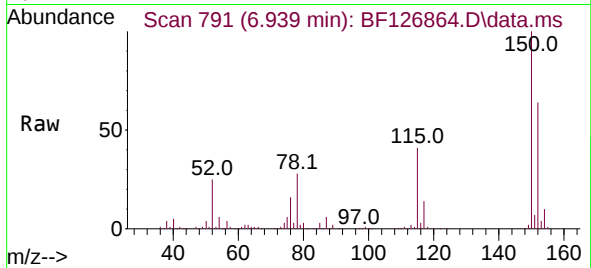




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126864.D
Acq: 11 Feb 2022 18:27

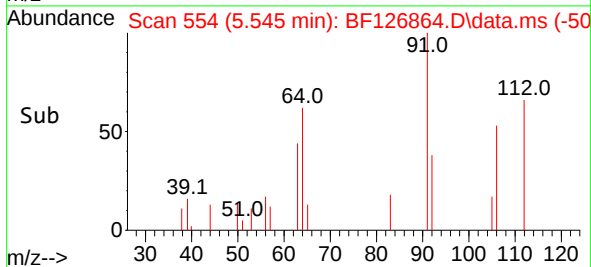
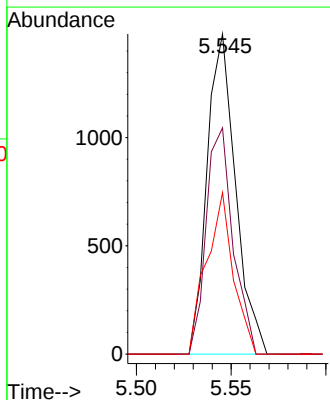
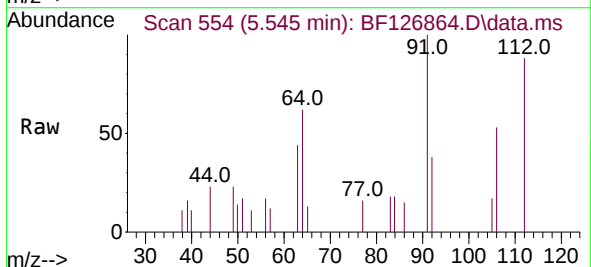
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERDL2

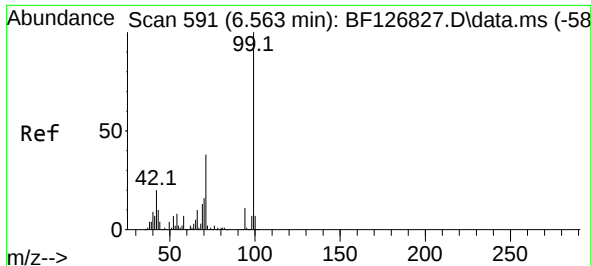
Tgt Ion:152 Resp: 82697
Ion Ratio Lower Upper
152 100
150 157.3 124.3 186.5
115 64.8 50.5 75.7



#5
2-Fluorophenol
Concen: 0.287 ng
RT: 5.545 min Scan# 554
Delta R.T. -0.012 min
Lab File: BF126864.D
Acq: 11 Feb 2022 18:27

Tgt Ion:112 Resp: 1544
Ion Ratio Lower Upper
112 100
64 70.7 54.3 81.5
63 50.4 27.5 41.3#

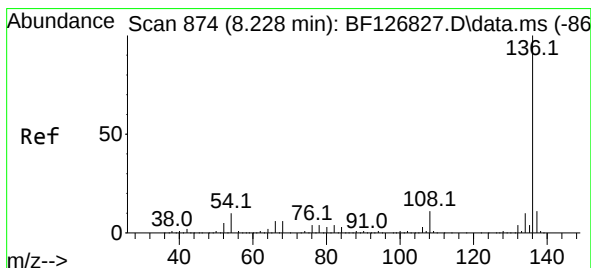
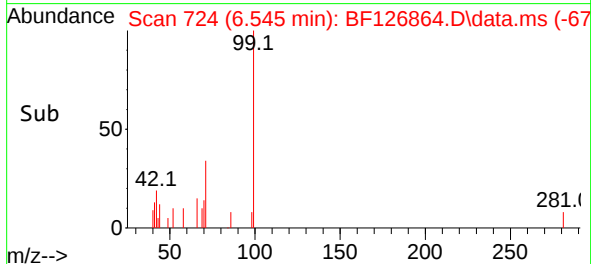
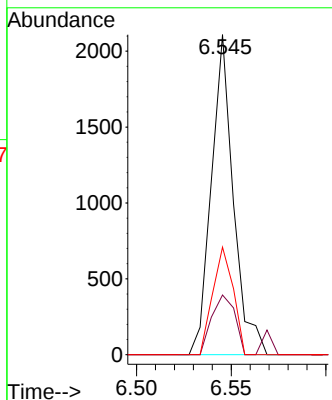
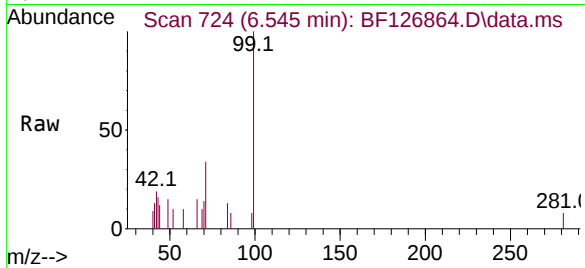




#7
Phenol-d6
Concen: 0.236 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF126864.D
Acq: 11 Feb 2022 18:27

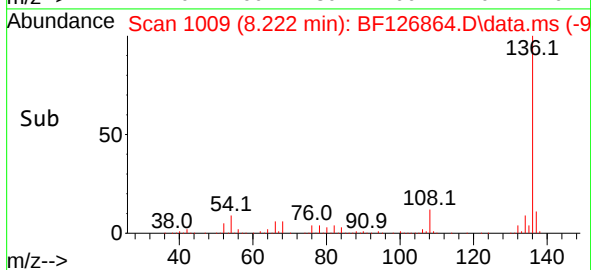
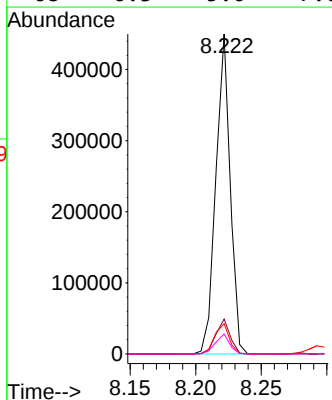
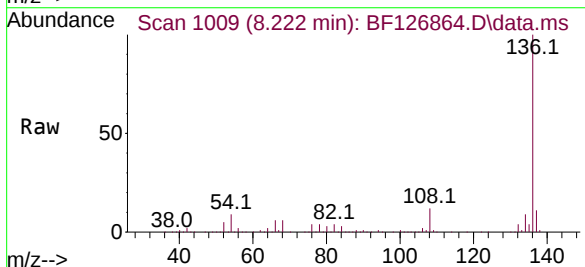
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERDL2

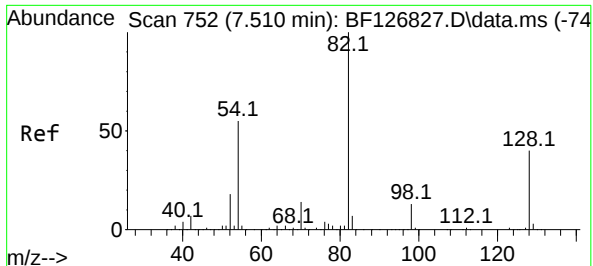
Tgt Ion: 99 Resp: 1708
Ion Ratio Lower Upper
99 100
42 18.7 15.8 23.6
71 33.6 30.6 45.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF126864.D
Acq: 11 Feb 2022 18:27

Tgt Ion: 136 Resp: 341648
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.4 8.0 12.0
68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 0.520 ng

RT: 7.492 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF126864.D

Acq: 11 Feb 2022 18:27

Instrument :

BNA_F

ClientSampleId :

GROUNDWATERDL2

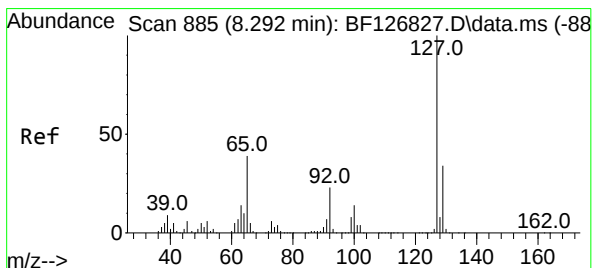
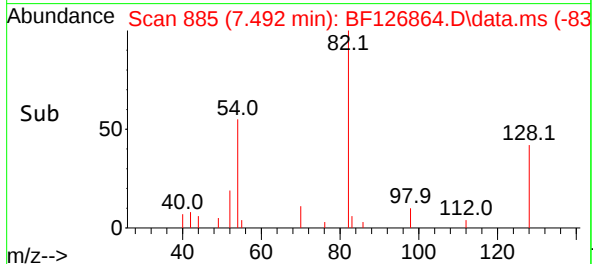
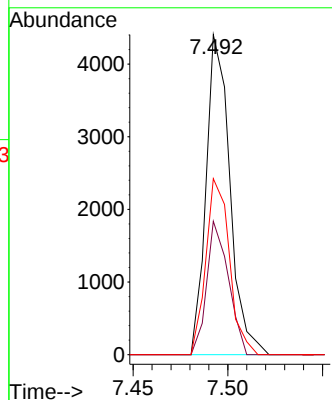
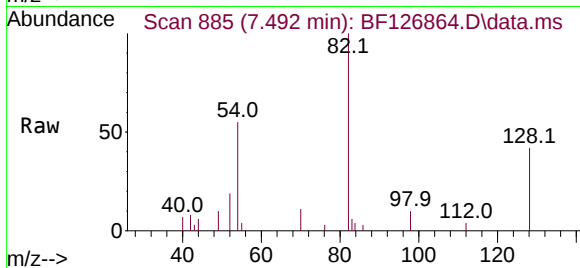
Tgt Ion: 82 Resp: 3852

Ion Ratio Lower Upper

82 100

128 41.7 31.6 47.4

54 55.0 43.7 65.5



#33

4-Chloroaniline

Concen: 113.046 ng

RT: 8.292 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF126864.D

Acq: 11 Feb 2022 18:27

Tgt Ion:127 Resp: 788613

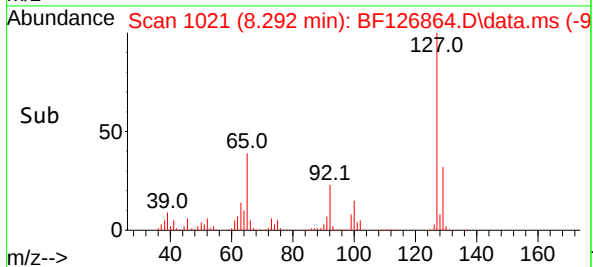
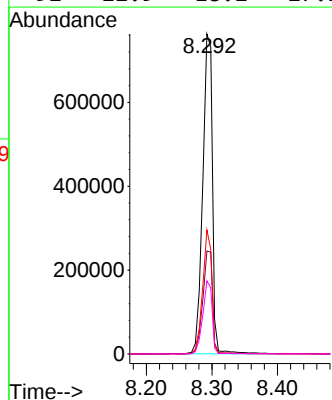
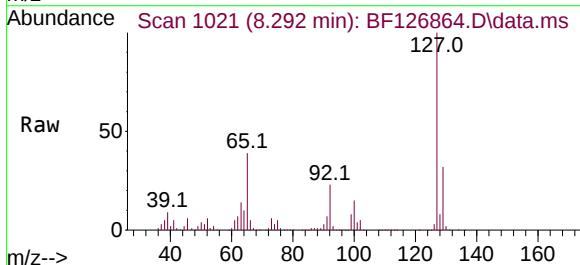
Ion Ratio Lower Upper

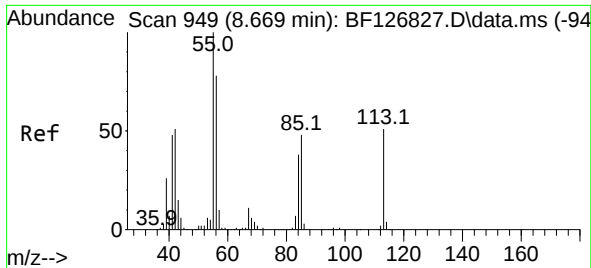
127 100

129 32.1 27.1 40.7

65 38.7 31.4 47.2

92 22.9 18.2 27.2

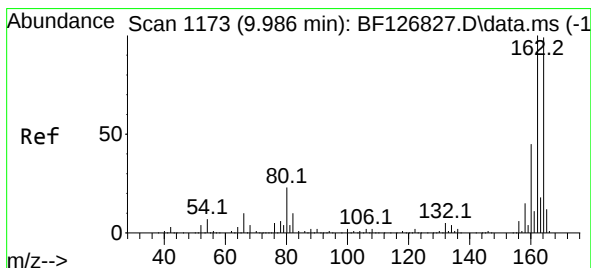
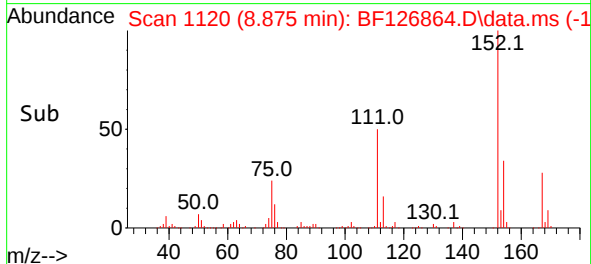
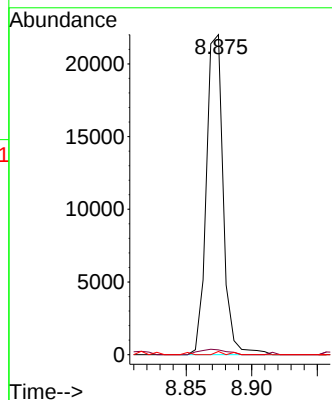
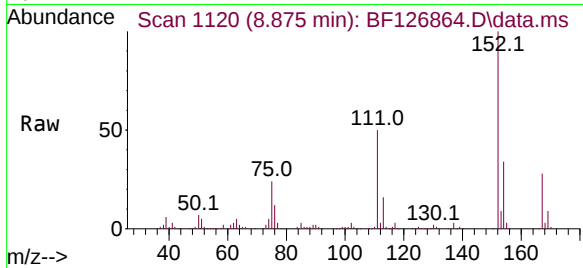




#35
 Caprolactam
 Concen: 12.340 ng
 RT: 8.875 min Scan# 1120
 Delta R.T. 0.206 min
 Lab File: BF126864.D
 Acq: 11 Feb 2022 18:27

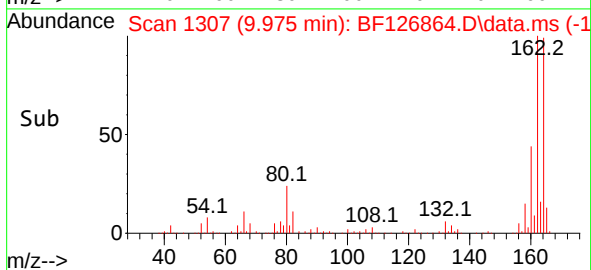
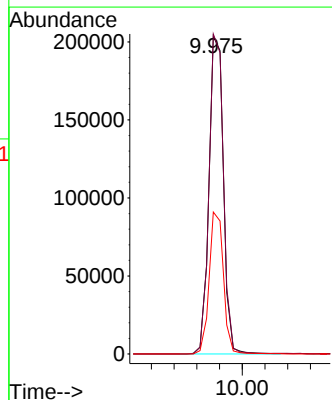
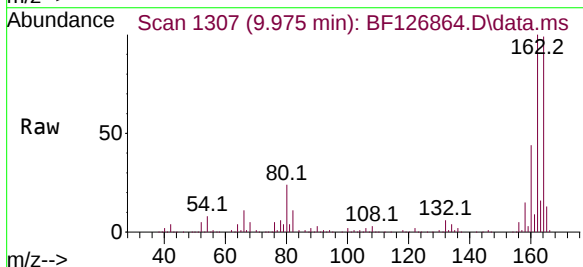
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATERDL2

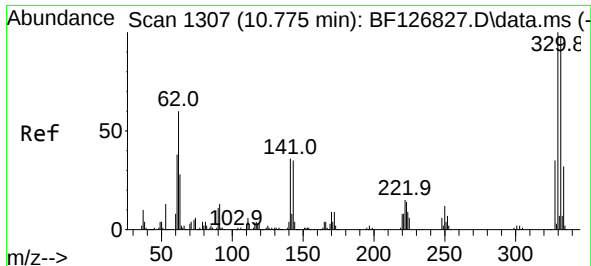
Tgt Ion:113 Resp: 19698
 Ion Ratio Lower Upper
 113 100
 55 1.5 178.3 218.3#
 56 1.0 135.1 175.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.975 min Scan# 1307
 Delta R.T. -0.011 min
 Lab File: BF126864.D
 Acq: 11 Feb 2022 18:27

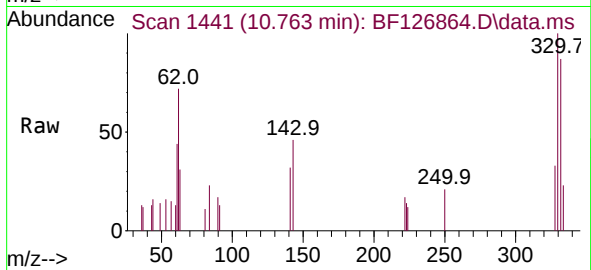
Tgt Ion:164 Resp: 179154
 Ion Ratio Lower Upper
 164 100
 162 100.6 80.9 121.3
 160 44.6 36.0 54.0



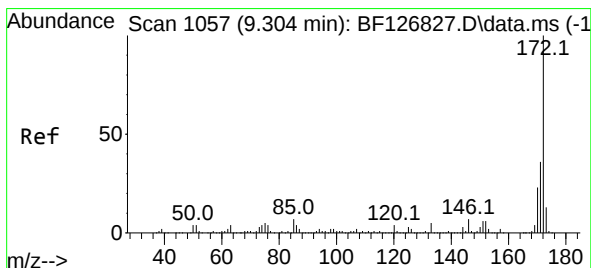
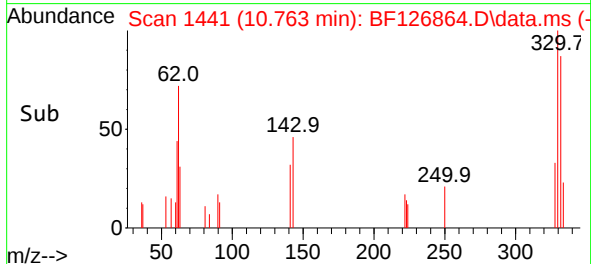
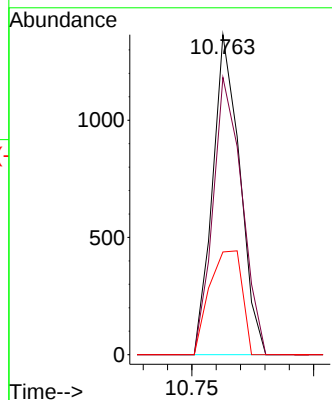


#42
2,4,6-Tribromophenol
Concen: 0.551 ng
RT: 10.763 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF126864.D
Acq: 11 Feb 2022 18:27

Instrument :
BNA_F
ClientSampleId :
GROUNDWATERDL2

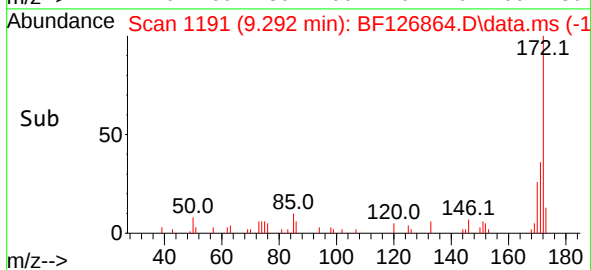
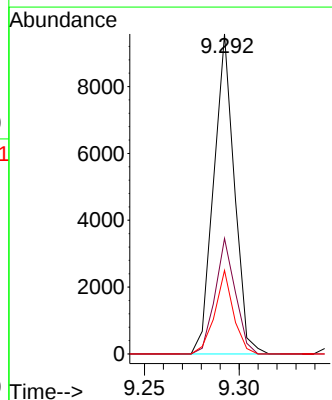
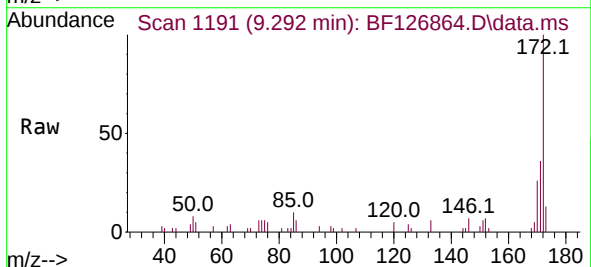


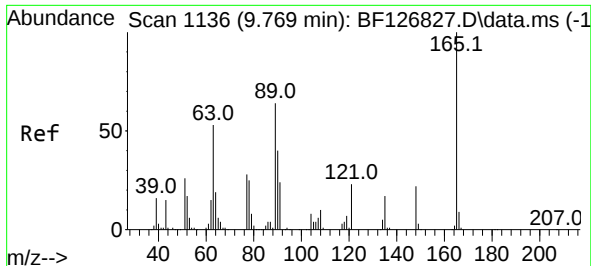
Tgt Ion: 330 Resp: 1059
Ion Ratio Lower Upper
330 100
332 92.3 78.2 117.4
141 38.8 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 0.610 ng
RT: 9.292 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF126864.D
Acq: 11 Feb 2022 18:27

Tgt Ion: 172 Resp: 7258
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 26.1 18.7 28.1

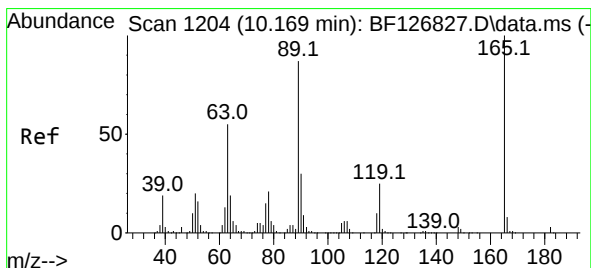
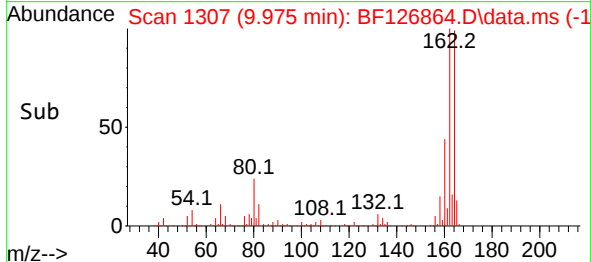
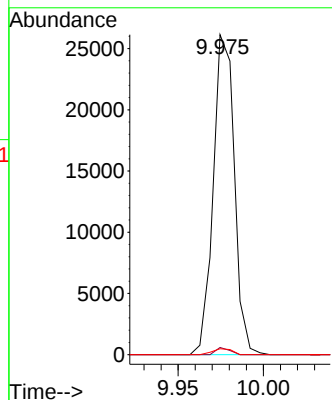
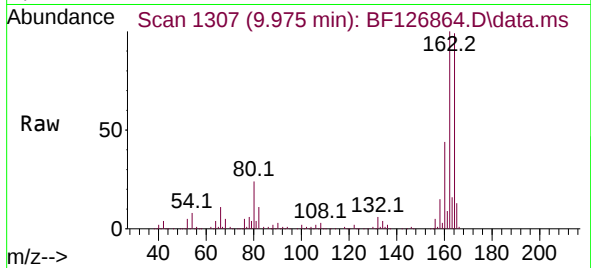




#51
2,6-Dinitrotoluene
Concen: 8.780 ng
RT: 9.975 min Scan# 1136
Delta R.T. 0.206 min
Lab File: BF126864.D
Acq: 11 Feb 2022 18:27

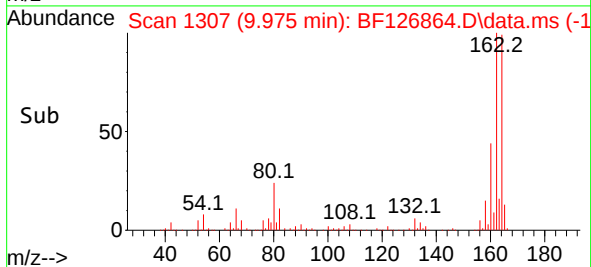
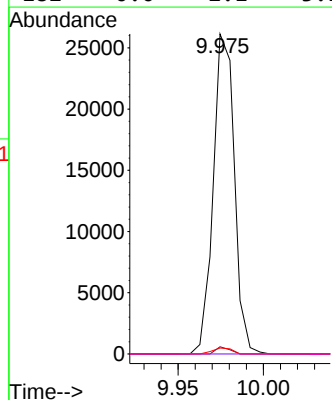
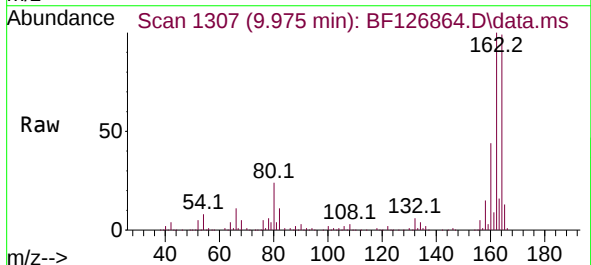
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERDL2

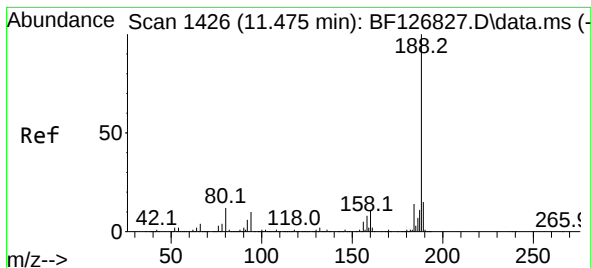
Tgt Ion:165 Resp: 22535
Ion Ratio Lower Upper
165 100
63 2.2 49.9 74.9#
89 1.8 51.0 76.4#



#57
2,4-Dinitrotoluene
Concen: 6.641 ng
RT: 9.975 min Scan# 1307
Delta R.T. -0.194 min
Lab File: BF126864.D
Acq: 11 Feb 2022 18:27

Tgt Ion:165 Resp: 22535
Ion Ratio Lower Upper
165 100
63 2.2 43.9 65.9#
89 1.8 69.8 104.8#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.469 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126864.D

Acq: 11 Feb 2022 18:27

Instrument :

BNA_F

ClientSampleId :

GROUNDWATERDL2

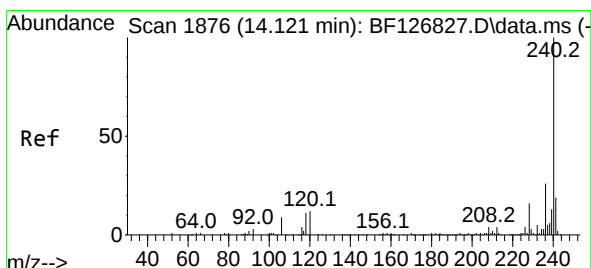
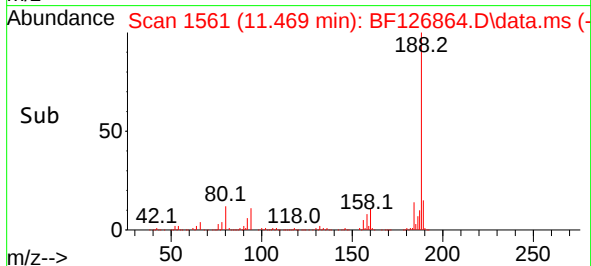
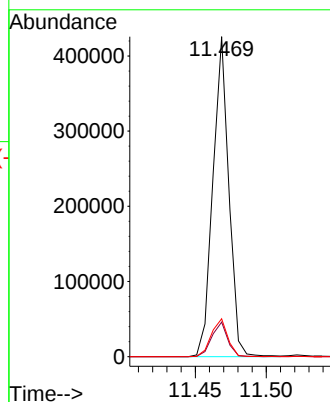
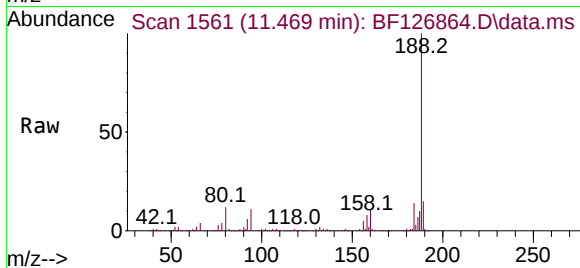
Tgt Ion:188 Resp: 333175

Ion Ratio Lower Upper

188 100

94 10.8 8.1 12.1

80 11.9 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: BF126864.D

Acq: 11 Feb 2022 18:27

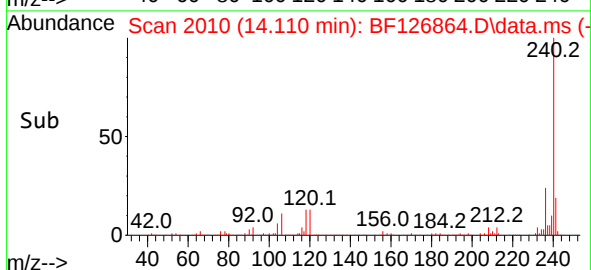
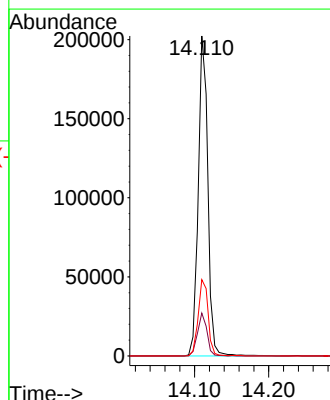
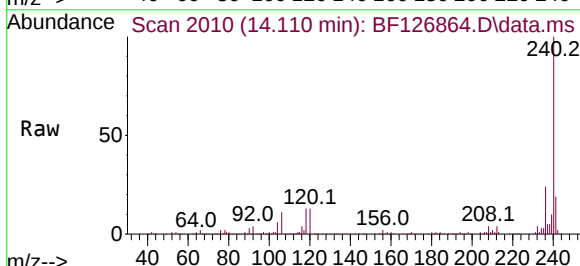
Tgt Ion:240 Resp: 180986

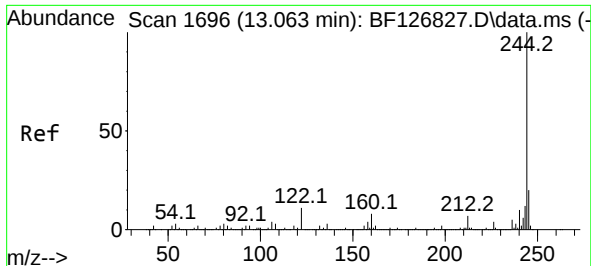
Ion Ratio Lower Upper

240 100

120 13.4 9.8 14.6

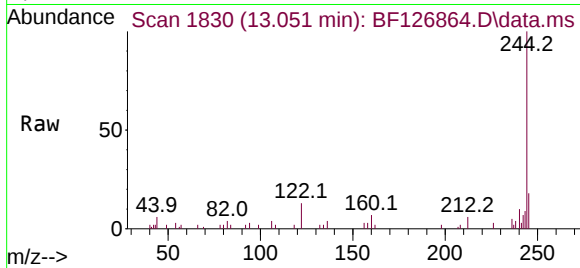
236 23.8 20.5 30.7



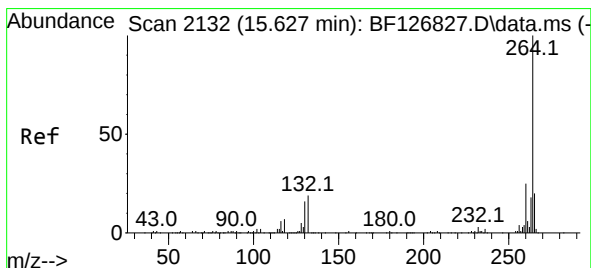
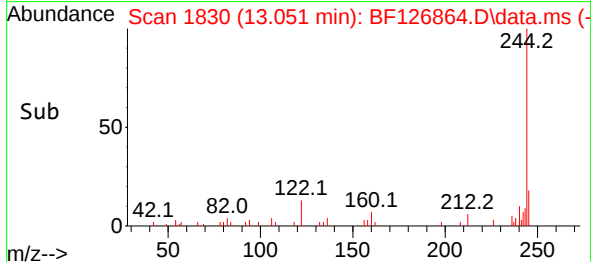
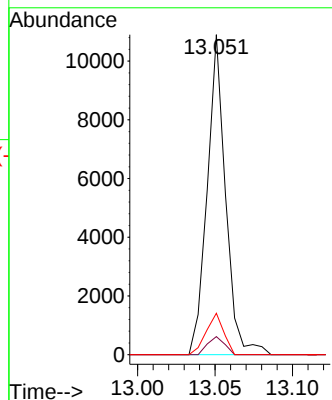


#79
 Terphenyl-d14
 Concen: 0.712 ng
 RT: 13.051 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126864.D
 Acq: 11 Feb 2022 18:27

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATERDL2



Tgt Ion:244 Resp: 8990
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.6 8.4
 122 13.0 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: BF126864.D
 Acq: 11 Feb 2022 18:27

Tgt Ion:264 Resp: 156736
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.6 29.4
 265 21.6 15.9 23.9

