

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
 Data File : BF124013.D
 Acq On : 20 May 2021 17:18
 Operator : JU/CG
 Sample : M2462-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WATER-MAIN-BREAK-SOIL

Quant Time: May 20 18:22:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

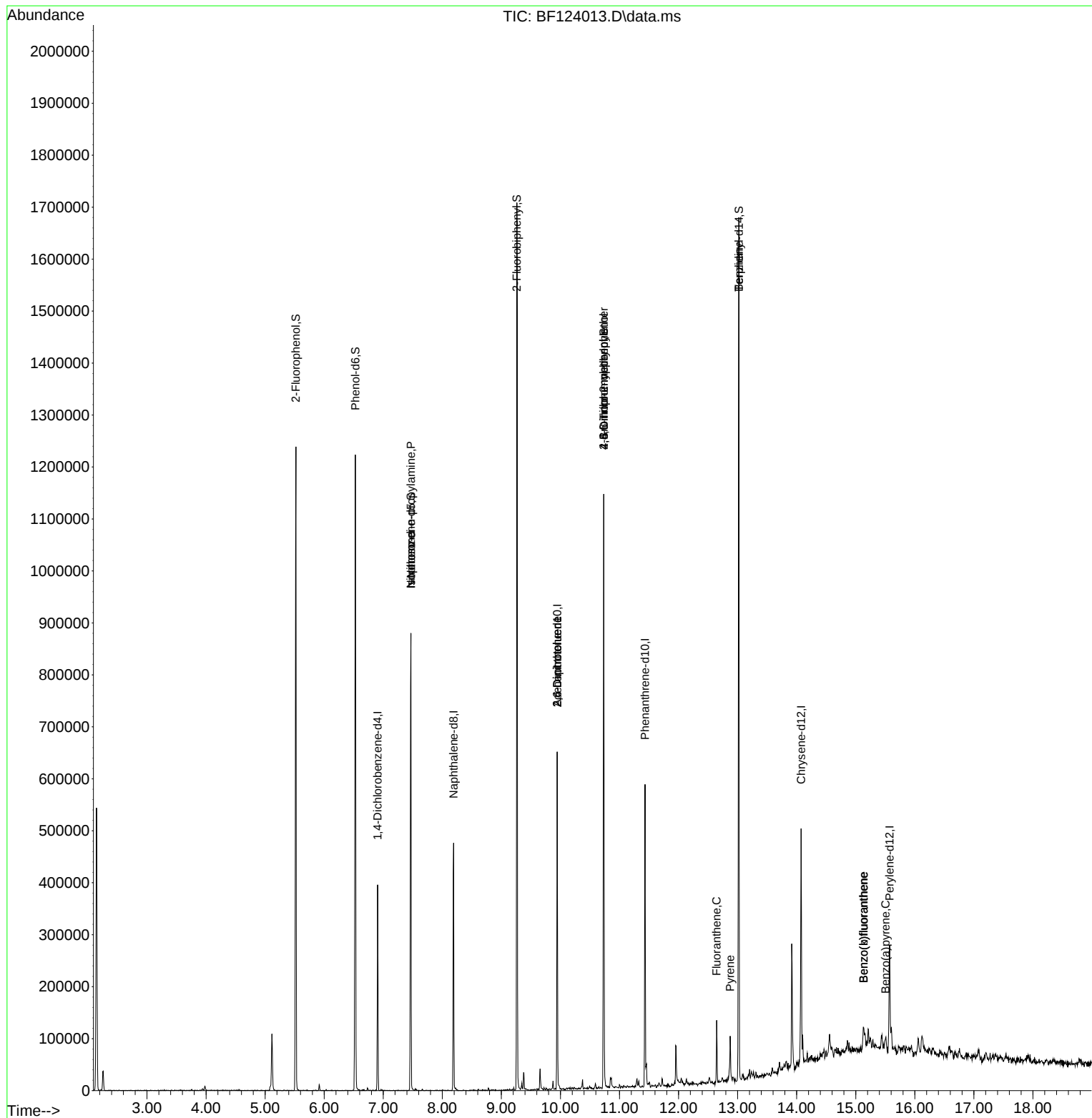
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	42215	20.00	ng	0.00
21) Naphthalene-d8	8.192	136	182263	20.00	ng	0.00
39) Acenaphthene-d10	9.945	164	105567	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	179379	20.00	ng	0.00
76) Chrysene-d12	14.074	240	127120	20.00	ng	# 0.00
86) Perylene-d12	15.574	264	83803	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	260763	86.73	ng	0.01
7) Phenol-d6	6.528	99	330976	84.86	ng	0.00
23) Nitrobenzene-d5	7.469	82	248219	58.68	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	106558	84.04	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	466612	54.39	ng	0.00
79) Terphenyl-d14	13.021	244	449762	53.59	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	35335	13.41	ng	# 75
25) Isophorone	7.469	82	248214	30.50	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	14020	8.22	ng	# 11
57) 2,4-Dinitrotoluene	9.945	165	14020	6.71	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.733	198	327	5.69	ng	# 1
67) 4-Bromophenyl-phenylether	10.733	248	7529	3.19	ng	# 1
75) Fluoranthene	12.645	202	37600	3.19	ng	96
77) Benzidine	13.021	184	7949	2.59	ng	# 83
78) Pyrene	12.874	202	30745	2.72	ng	94
88) Benzo(b)fluoranthene	15.133	252	25496	3.93	ng	# 89
89) Benzo(k)fluoranthene	15.133	252	25496	4.32	ng	# 89
90) Benzo(a)pyrene	15.504	252	12021	2.15	ng	# 68

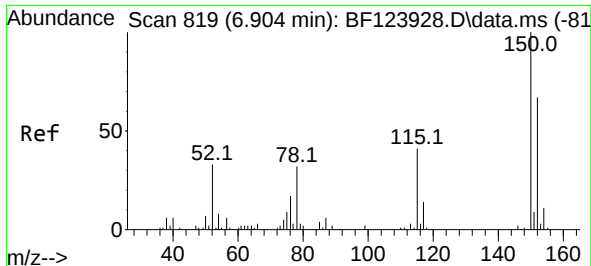
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124013.D
Acq On : 20 May 2021 17:18
Operator : JU/CG
Sample : M2462-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

Quant Time: May 20 18:22:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

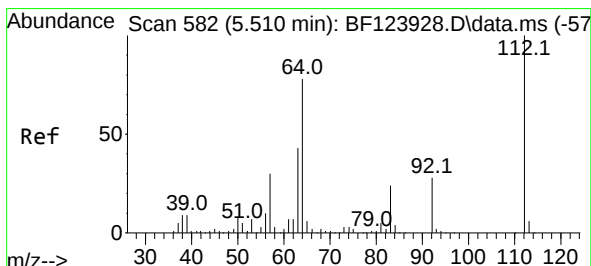
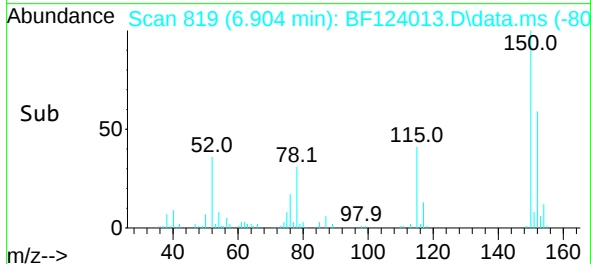
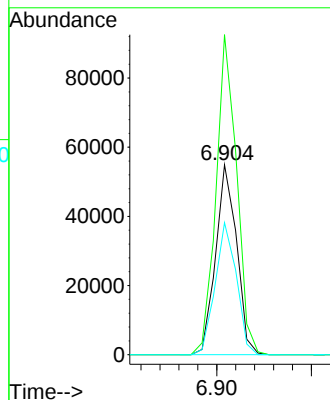
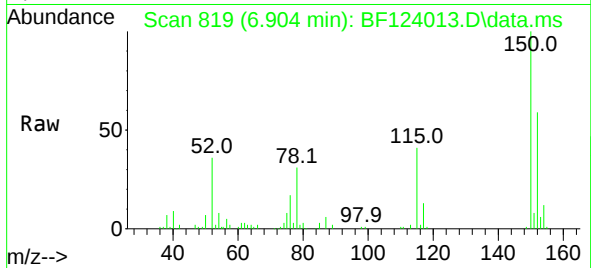




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

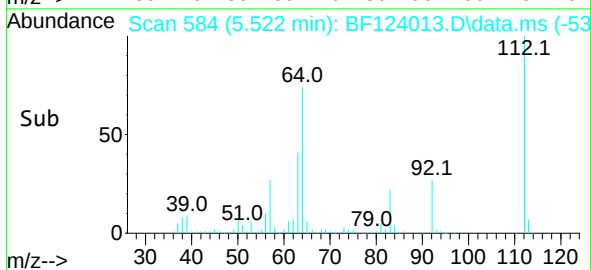
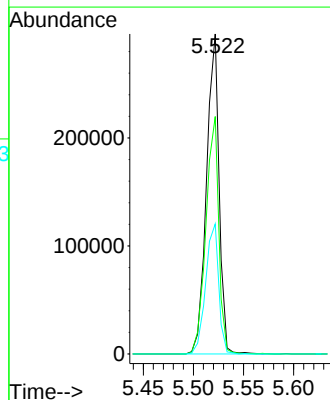
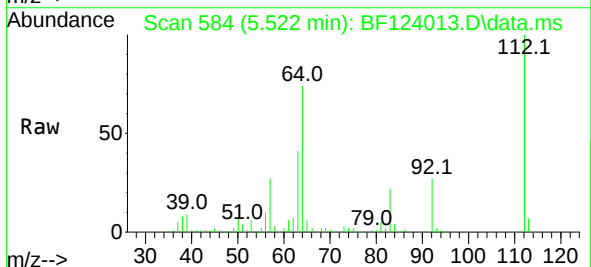
Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

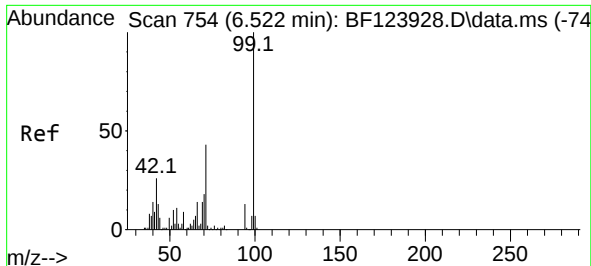
Tgt Ion:152 Resp: 42215
Ion Ratio Lower Upper
152 100
150 168.4 127.0 190.6
115 69.4 54.3 81.5



#5
2-Fluorophenol
Concen: 86.73 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.012 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion:112 Resp: 260763
Ion Ratio Lower Upper
112 100
64 74.2 61.4 92.0
63 40.7 33.0 49.4

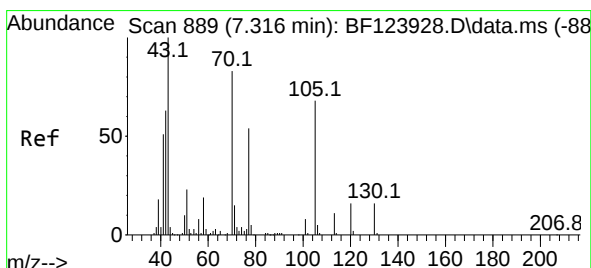
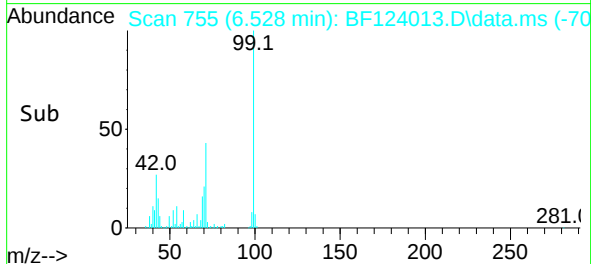
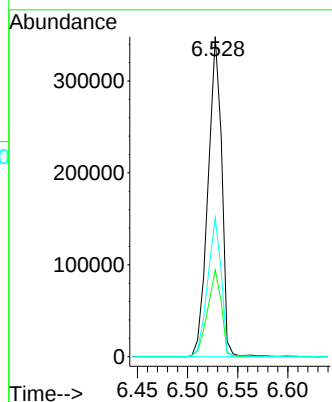
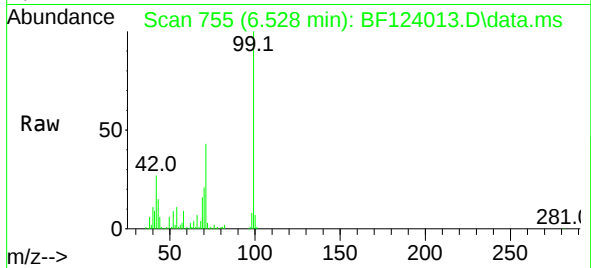




#7
Phenol-d6
Concen: 84.86 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

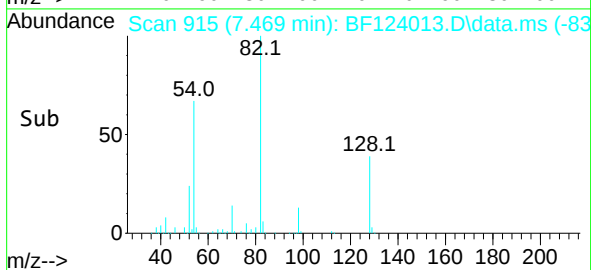
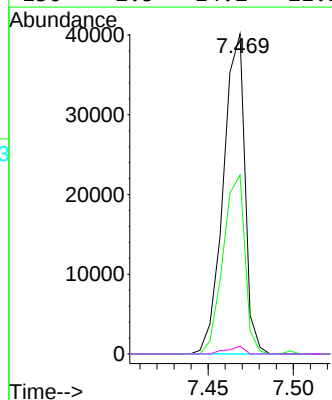
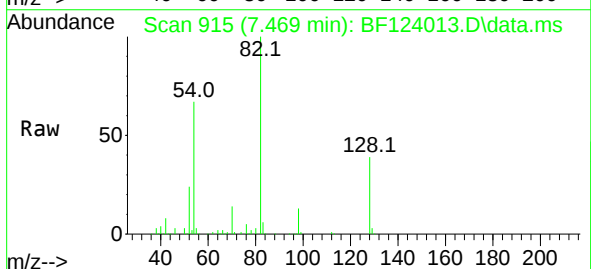
Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

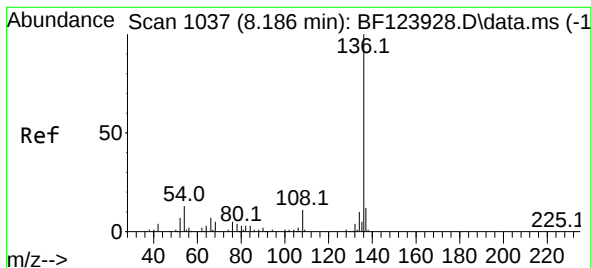
Tgt Ion: 99 Resp: 330976
Ion Ratio Lower Upper
99 100
42 27.1 19.8 29.8
71 43.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.41 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.153 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion: 70 Resp: 35335
Ion Ratio Lower Upper
70 100
42 55.9 60.1 90.1#
101 0.0 7.4 11.2#
130 2.5 14.2 21.2#

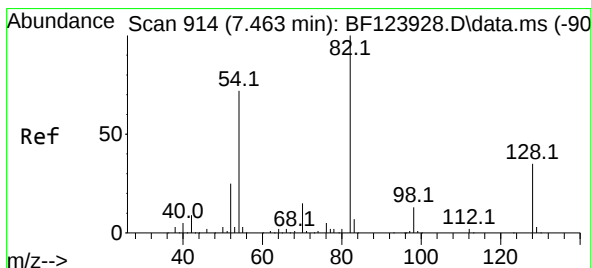
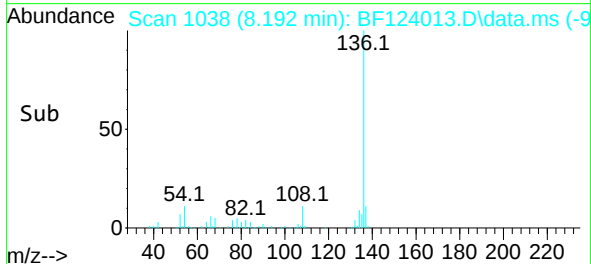
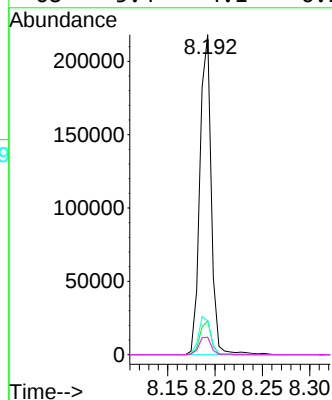
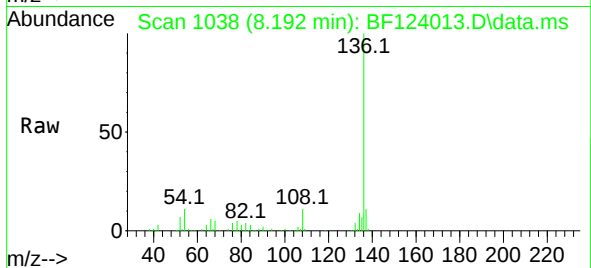




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.192 min Scan# 1038
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

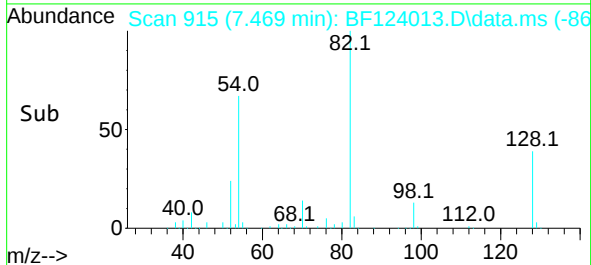
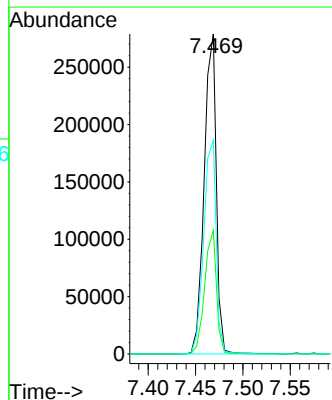
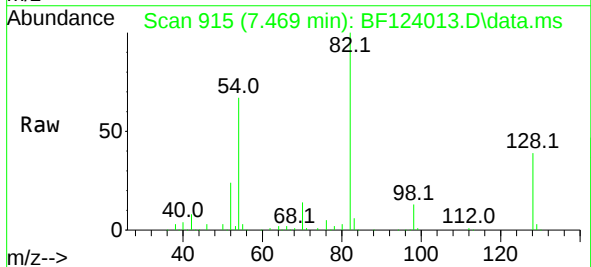
Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

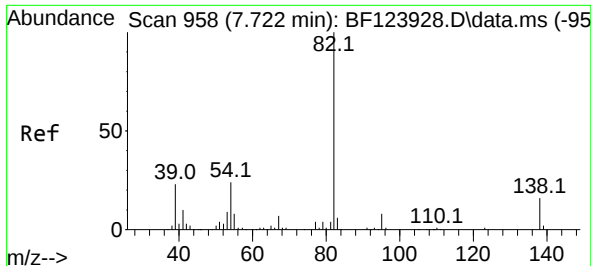
Tgt	Ion:136	Resp:	182263
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	10.6	9.8	14.6
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 58.68 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion: 82	Resp: 248219
Ion Ratio	Lower Upper
82 100	
128 38.6	29.4 44.2
54 66.9	54.1 81.1

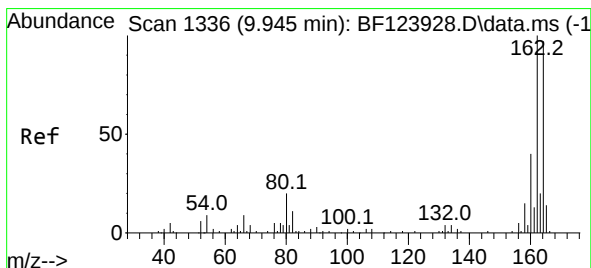
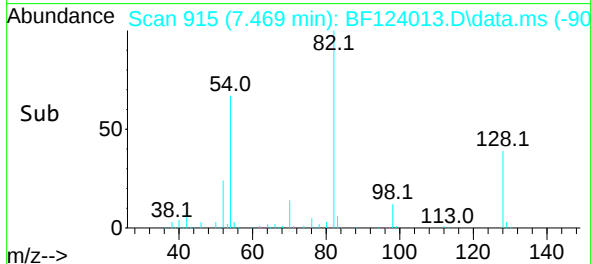
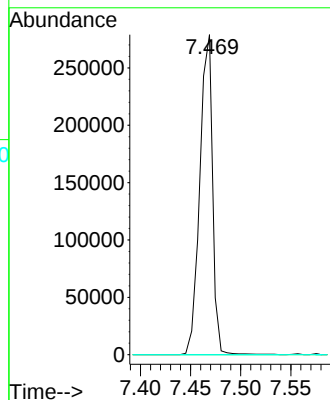
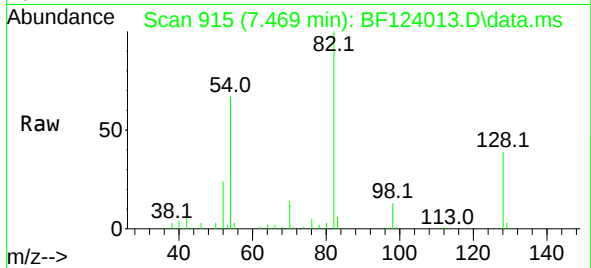




#25
Isophorone
Concen: 30.50 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.253 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

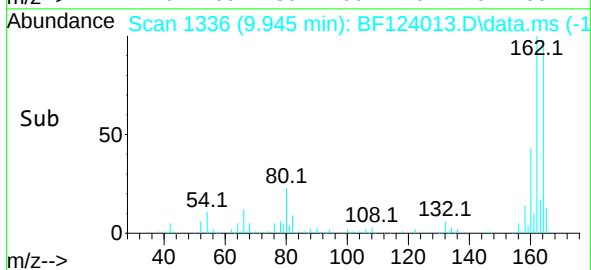
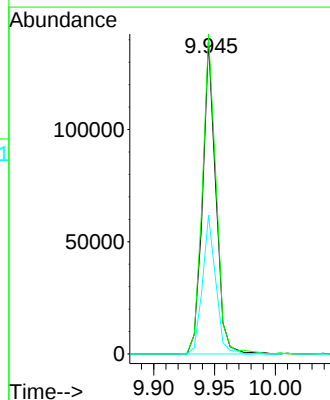
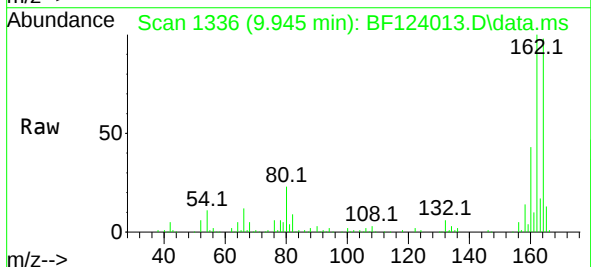
Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

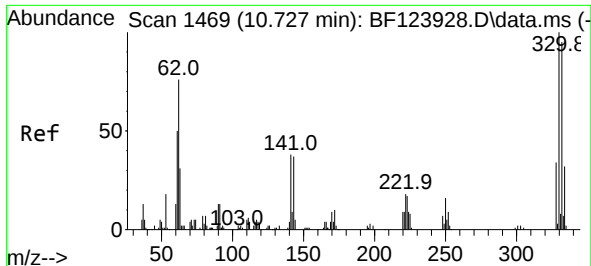
Tgt Ion: 82 Resp: 248214
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

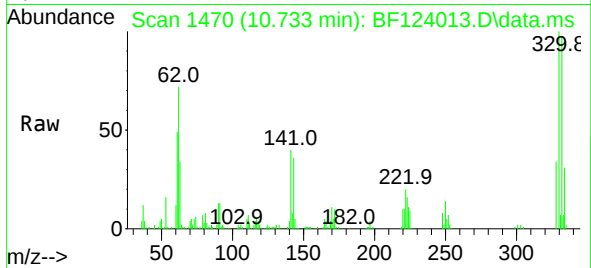
Tgt Ion: 164 Resp: 105567
Ion Ratio Lower Upper
164 100
162 102.2 80.7 121.1
160 44.3 37.3 55.9



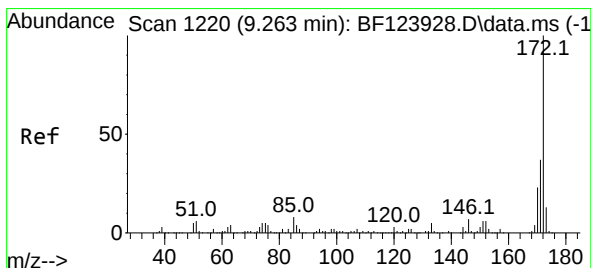
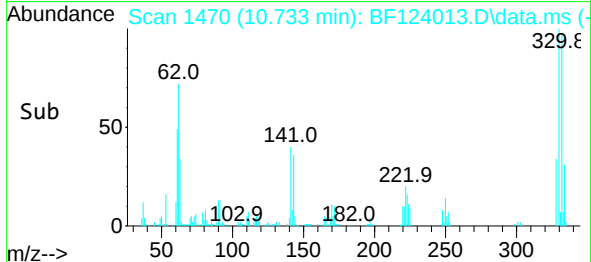
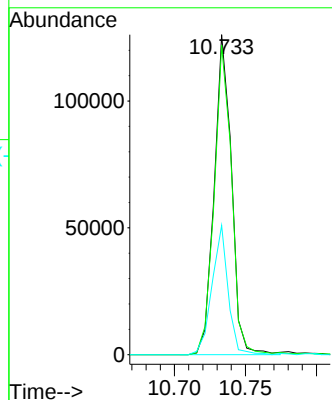


#42
2,4,6-Tribromophenol
Concen: 84.04 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

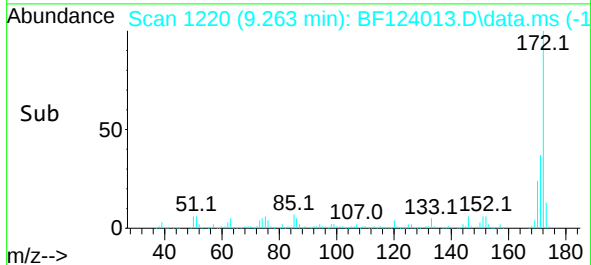
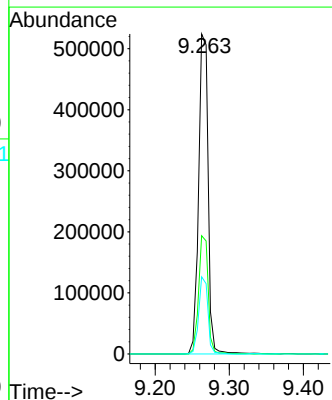
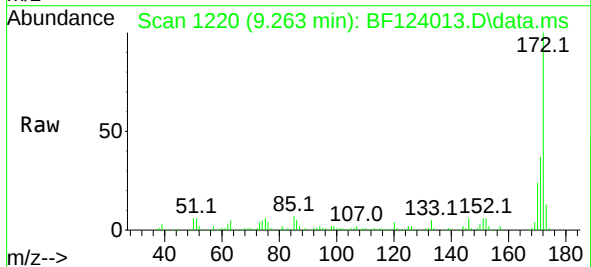


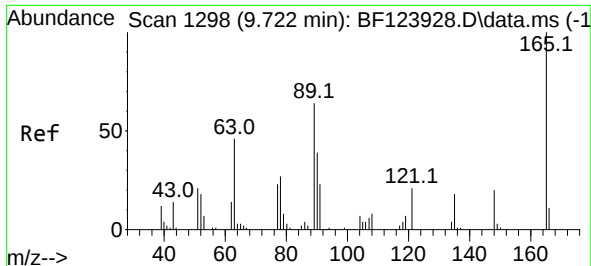
Tgt Ion:330 Resp: 106558
Ion Ratio Lower Upper
330 100
332 98.1 77.1 115.7
141 37.6 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 54.39 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion:172 Resp: 466612
Ion Ratio Lower Upper
172 100
171 37.0 28.1 42.1
170 24.1 19.2 28.8

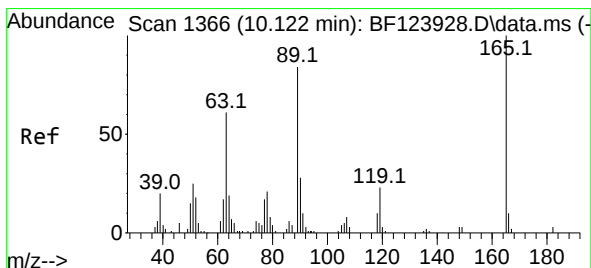
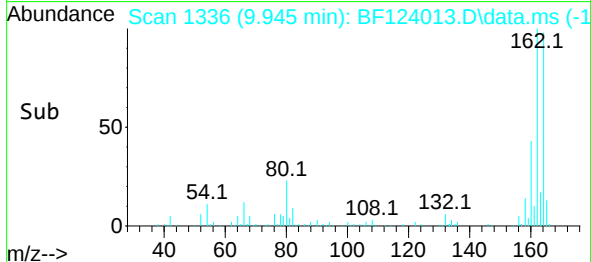
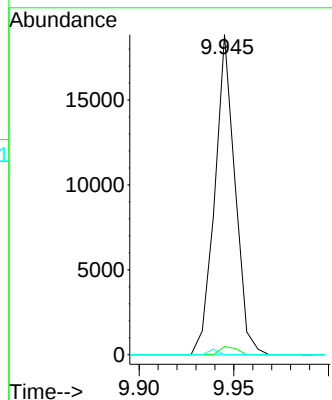
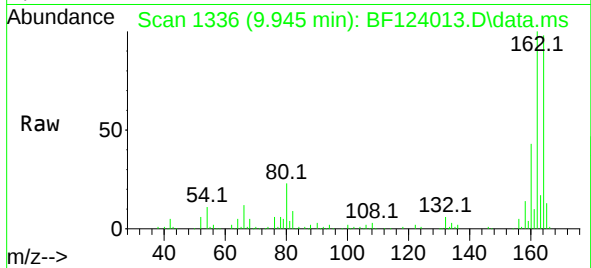




#51
2,6-Dinitrotoluene
Concen: 8.22 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.223 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

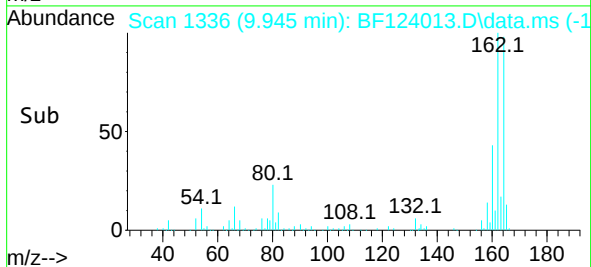
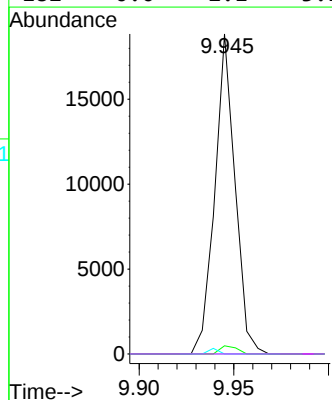
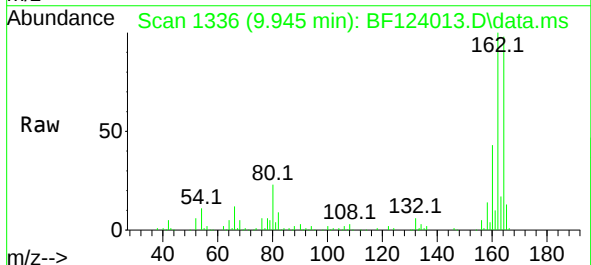
Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

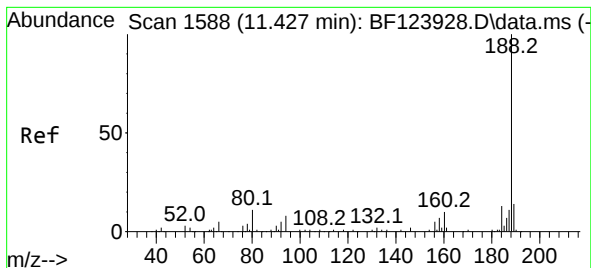
Tgt Ion:165 Resp: 14020
Ion Ratio Lower Upper
165 100
63 2.5 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.71 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.177 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion:165 Resp: 14020
Ion Ratio Lower Upper
165 100
63 2.5 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.006 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

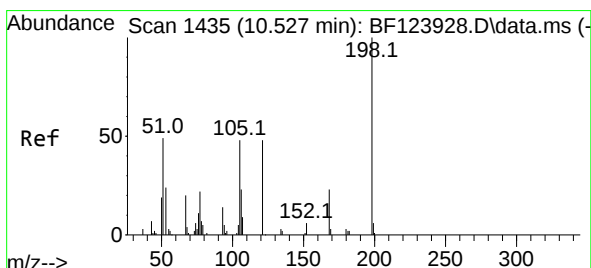
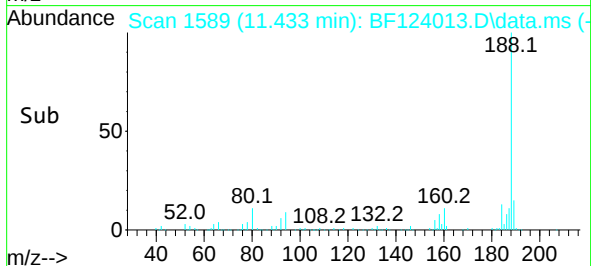
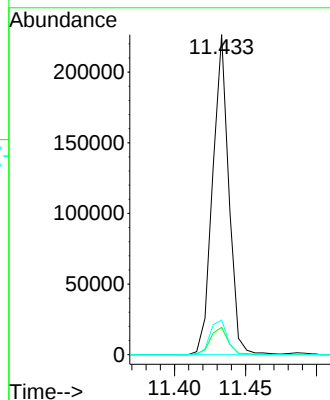
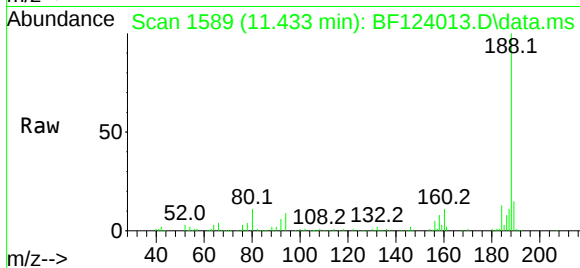
Tgt Ion:188 Resp: 179379

Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

80 10.8 8.2 12.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.69 ng

RT: 10.733 min Scan# 1470

Delta R.T. 0.206 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

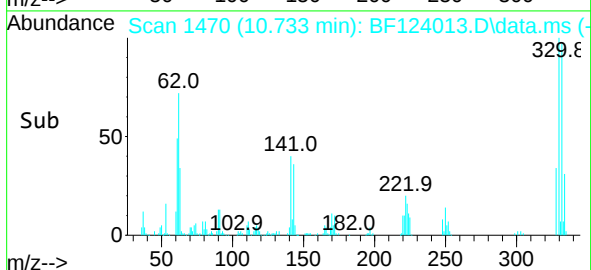
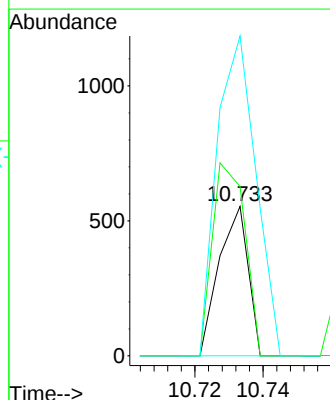
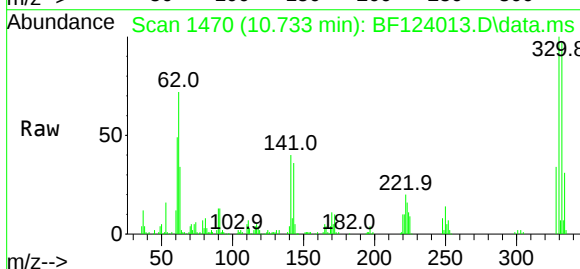
Tgt Ion:198 Resp: 327

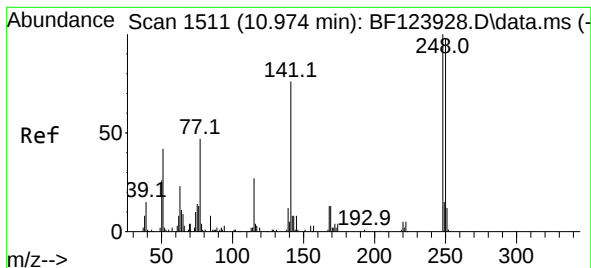
Ion Ratio Lower Upper

198 100

51 113.2 64.8 104.8#

105 213.9 42.6 82.6#

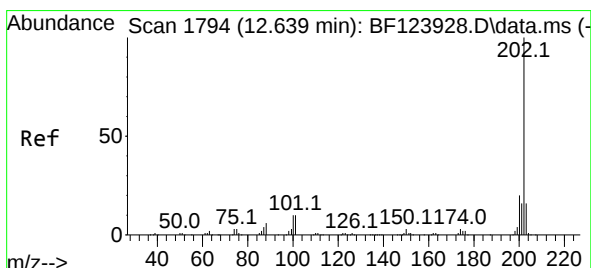
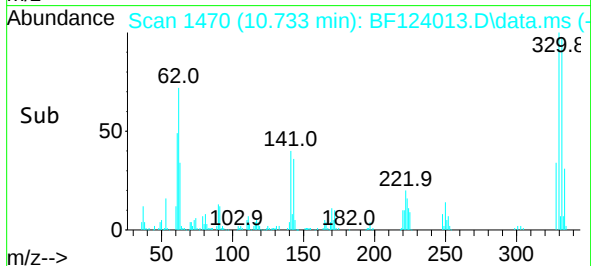
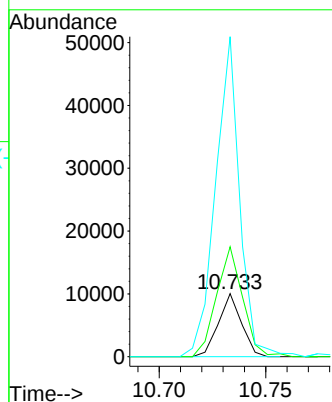
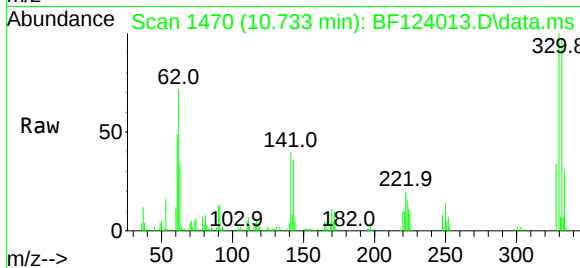




#67
4-Bromophenyl-phenylether
Concen: 3.19 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.241 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

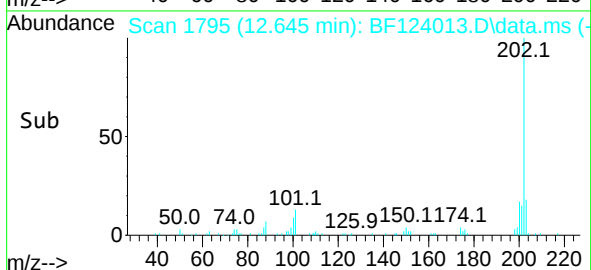
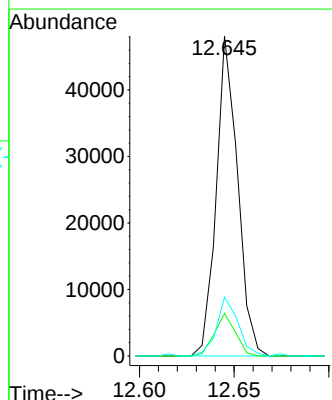
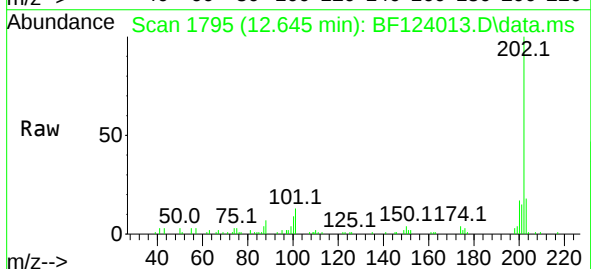
Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

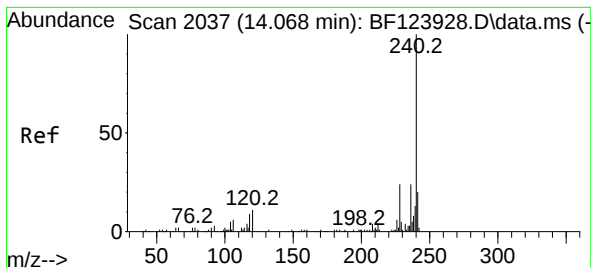
Tgt Ion:248 Resp: 7529
Ion Ratio Lower Upper
248 100
250 174.3 77.4 116.2#
141 507.6 63.7 95.5#



#75
Fluoranthene
Concen: 3.19 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion:202 Resp: 37600
Ion Ratio Lower Upper
202 100
101 13.3 0.0 30.9
203 18.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

Tgt Ion:240 Resp: 127120

Ion Ratio Lower Upper

240 100

120 10.9 7.2 10.8#

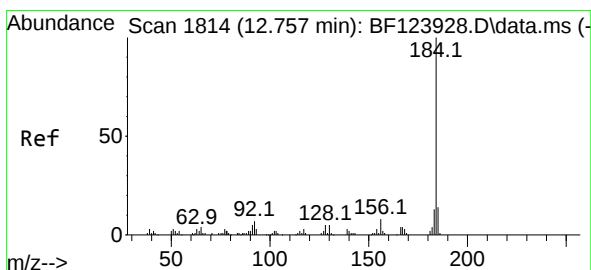
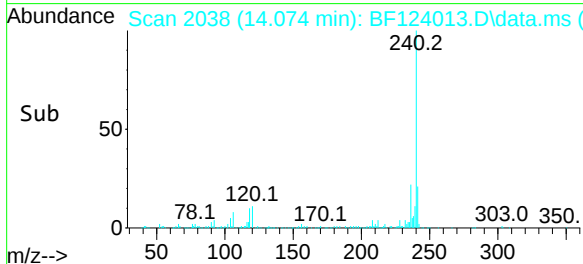
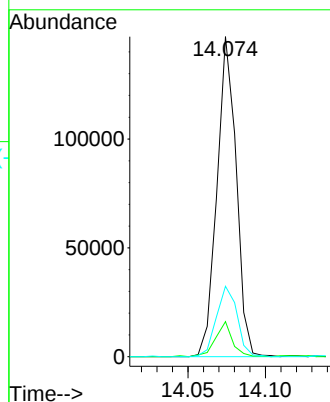
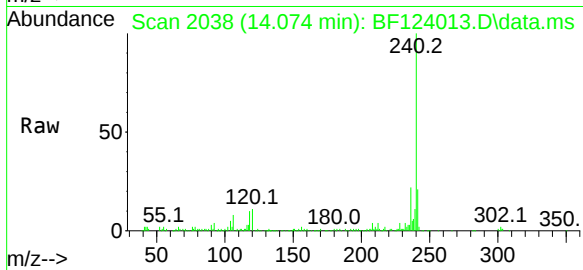
236 22.0 19.0 28.4

Instrument :

BNA_F

ClientSampleId :

WATER-MAIN-BREAK-SOIL



#77

Benzidine

Concen: 2.59 ng

RT: 13.021 min Scan# 1859

Delta R.T. 0.265 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

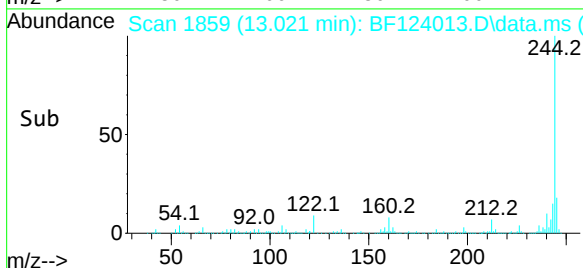
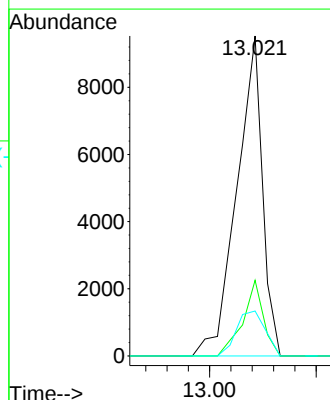
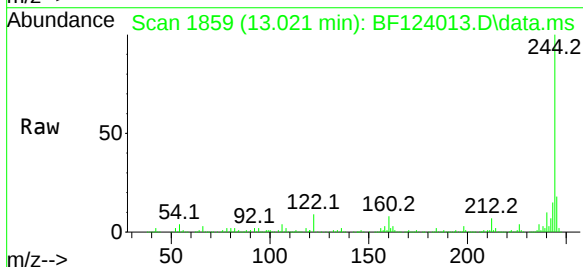
Tgt Ion:184 Resp: 7949

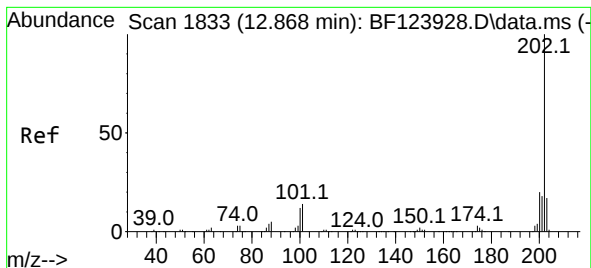
Ion Ratio Lower Upper

184 100

185 23.7 12.1 18.1#

183 14.1 7.8 11.8#





#78

Pyrene

Concen: 2.72 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.006 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

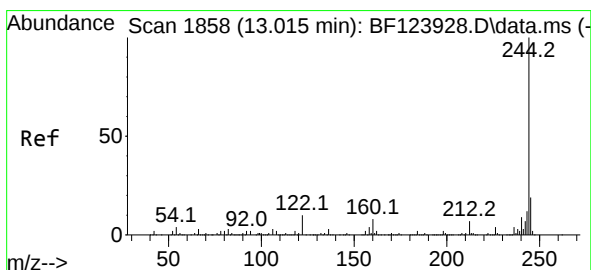
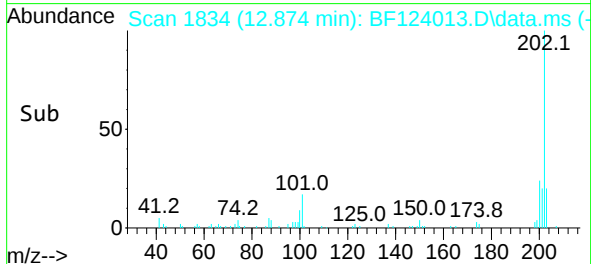
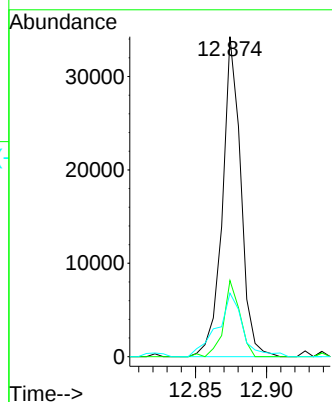
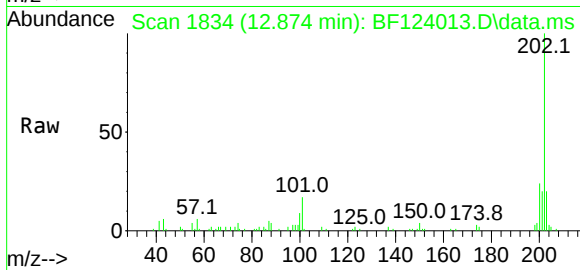
Tgt Ion:202 Resp: 30745

Ion Ratio Lower Upper

202 100

200 23.8 16.1 24.1

203 19.8 14.8 22.2



#79

Terphenyl-d14

Concen: 53.59 ng

RT: 13.021 min Scan# 1859

Delta R.T. 0.006 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

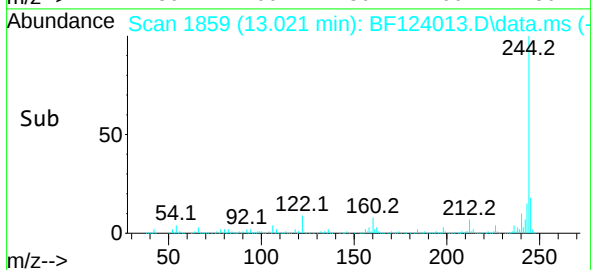
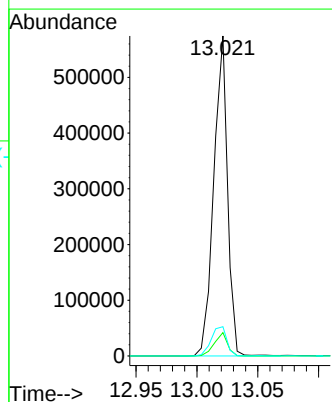
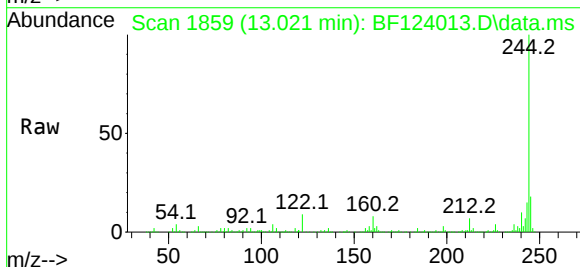
Tgt Ion:244 Resp: 449762

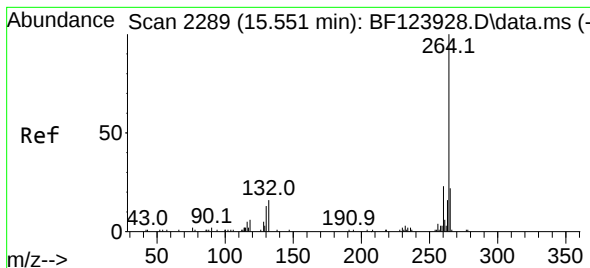
Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 9.2 9.7 14.5#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.574 min Scan# 2293

Delta R.T. 0.023 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

Tgt Ion:264 Resp: 83803

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

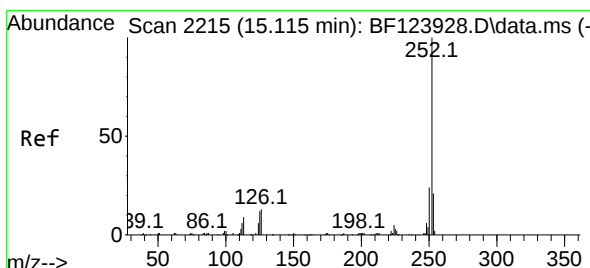
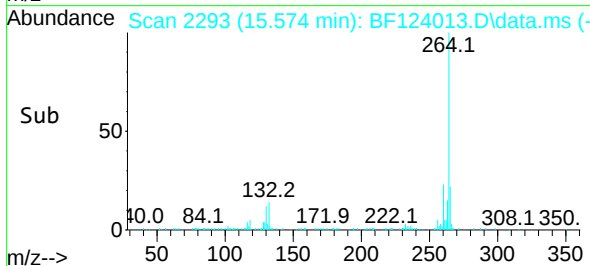
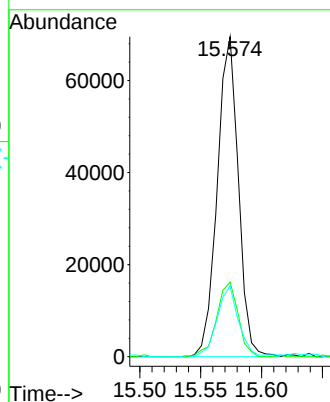
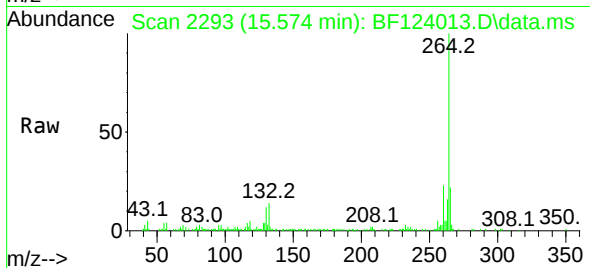
265 22.1 17.8 26.8

Instrument :

BNA_F

ClientSampleId :

WATER-MAIN-BREAK-SOIL



#88

Benzo(b)fluoranthene

Concen: 3.93 ng

RT: 15.133 min Scan# 2218

Delta R.T. 0.018 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

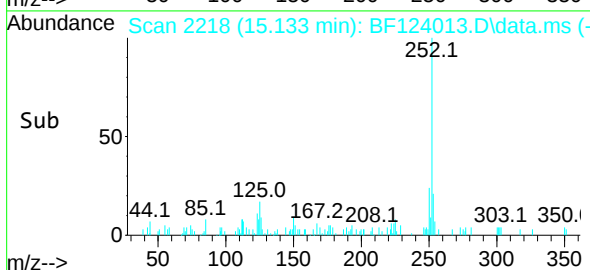
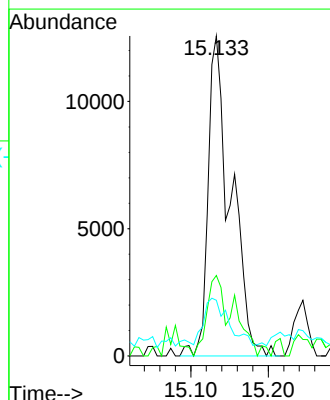
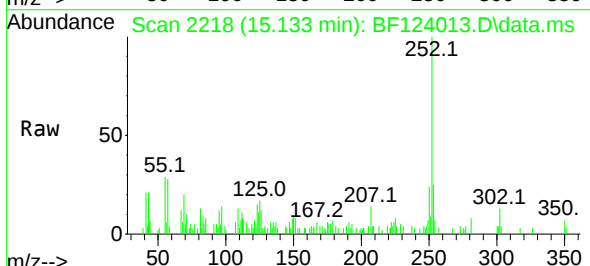
Tgt Ion:252 Resp: 25496

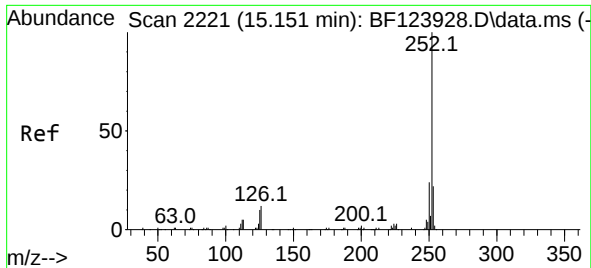
Ion Ratio Lower Upper

252 100

253 25.2 18.1 27.1

125 17.4 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 4.32 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.018 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

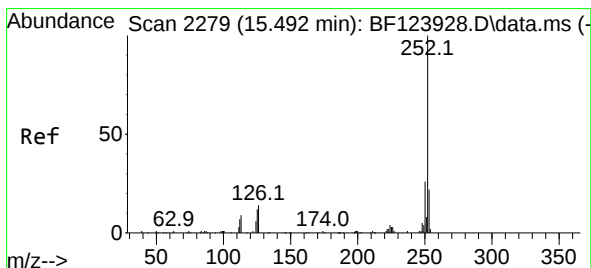
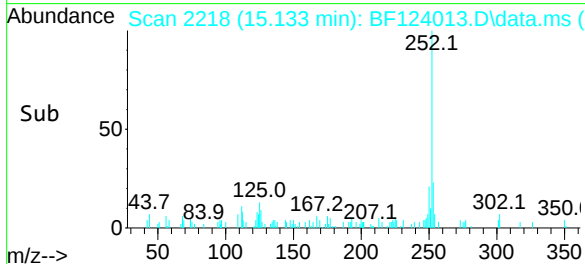
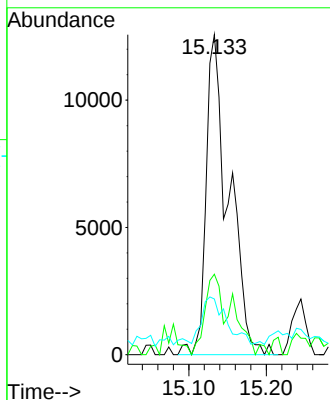
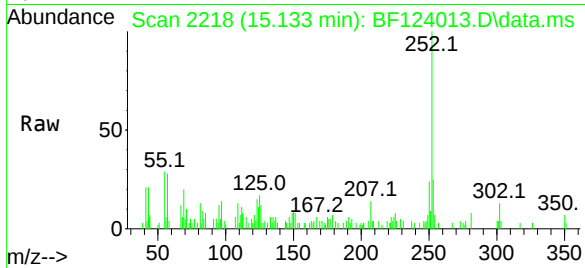
Tgt Ion:252	Resp:	25496
Ion Ratio	Lower	Upper
252	100	
253	25.2	17.9 26.9
125	17.4	7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

WATER-MAIN-BREAK-SOIL



#90

Benzo(a)pyrene

Concen: 2.15 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.012 min

Lab File: BF124013.D

Acq: 20 May 2021 17:18

Tgt Ion:252	Resp:	12021
Ion Ratio	Lower	Upper
252	100	
253	38.2	18.4 27.6#
125	22.3	8.0 12.0#

