

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
 Data File : BF114091.D
 Acq On : 2 May 2019 18:17
 Operator : JU/SJ
 Sample : K2650-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Quant Time: May 03 00:55:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	82870	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	299014	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	59664	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	280083	20.00	ng	0.00
76) Chrysene-d12	14.05	240	182034	20.00	ng	-0.02
87) Perylene-d12	15.54	264	212116	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	306918	63.34	ng	0.00
7) Phenol-d6	6.53	99	268298	44.14	ng	0.01
23) Nitrobenzene-d5	7.45	82	531499	109.75	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	214656	295.33	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	995556	260.97	ng	-0.01
79) Terphenyl-d14	12.99	244	484029	54.51	ng	-0.01

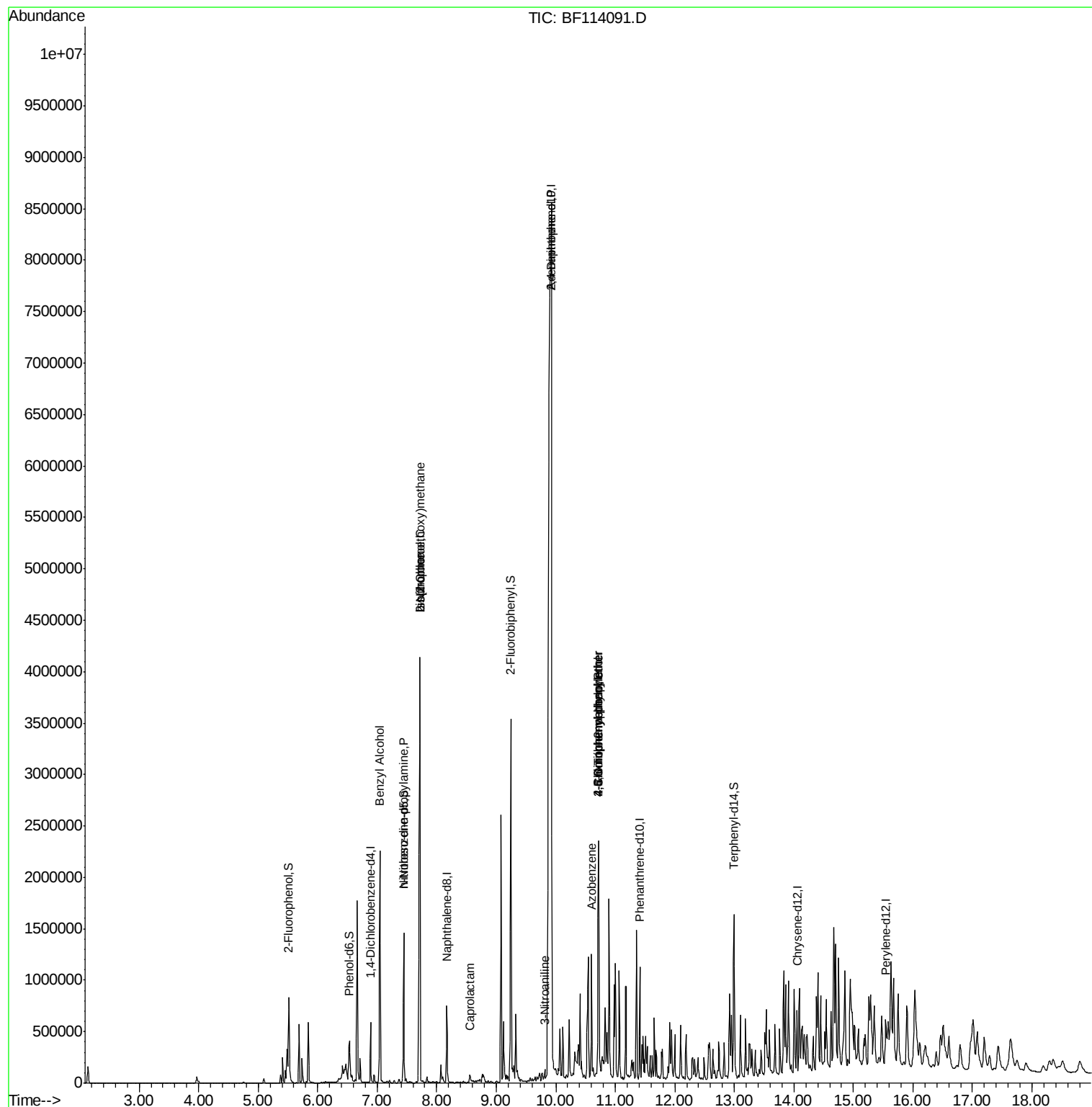
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	11906	Below Cal		84
15) Benzyl Alcohol	7.05	79	12018	2.935	ng	# 43
19) n-Nitroso-di-n-propylamine	7.45	70	70141	17.818	ng	# 77
25) Isophorone	7.72	82	2187435	220.749	ng	98
26) 2-Nitrophenol	7.72	139	41815	17.129	ng	# 51
28) bis(2-Chloroethoxy)methane	7.72	93	22664	3.589	ng	# 1
35) Caprolactam	8.56	113	8315	5.747	ng	94
53) 3-Nitroaniline	9.82	138	2215	2.277	ng	# 1
54) 2,4-Dinitrophenol	9.93	184	105076	243.387	ng	# 1
61) 4-Chlorophenyl-phenylether	10.72	204	7894	3.854	ng	# 1
63) Azobenzene	10.60	77	9287	2.338	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.72	198	392	7.567	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	13209	3.904	ng	# 1

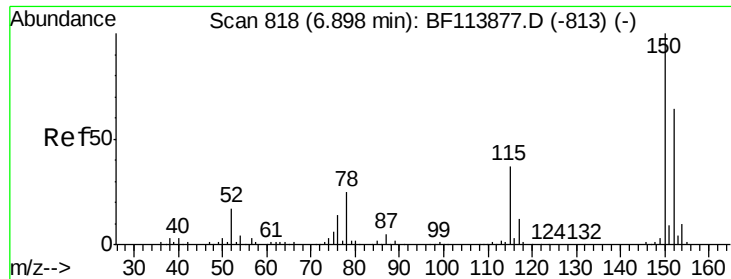
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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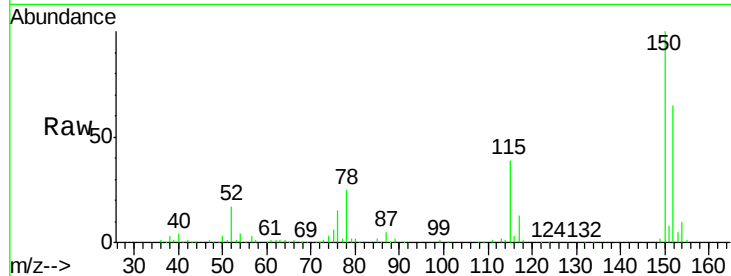


#1

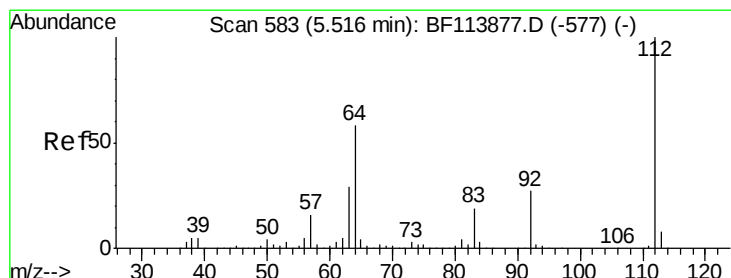
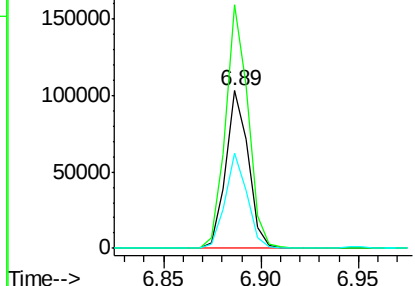
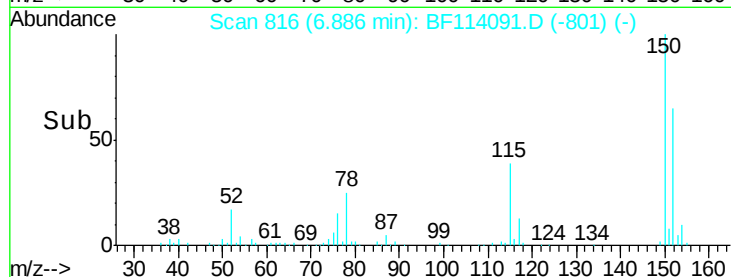
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Tot Ion:152 Resp: 82870
Ion Ratio Lower Upper
152 100
150 154.8 125.9 188.9
115 60.8 45.9 68.9



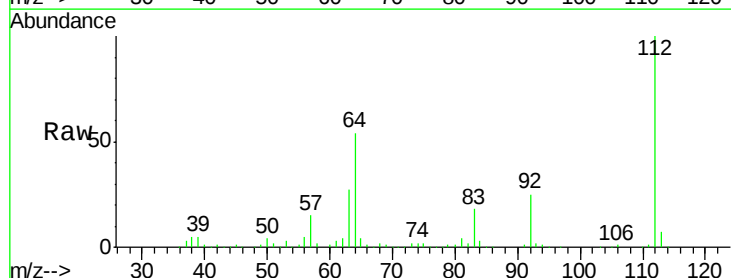
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



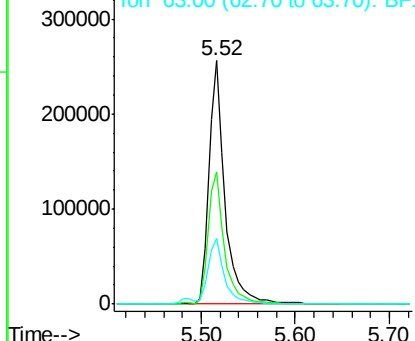
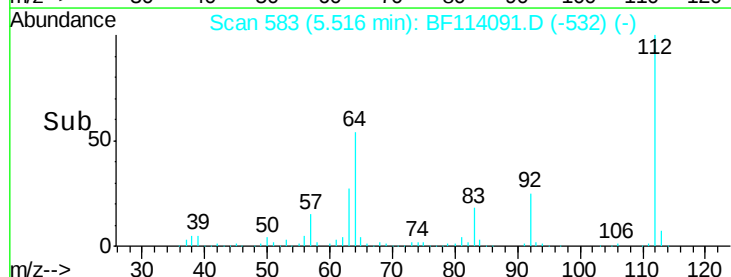
#5

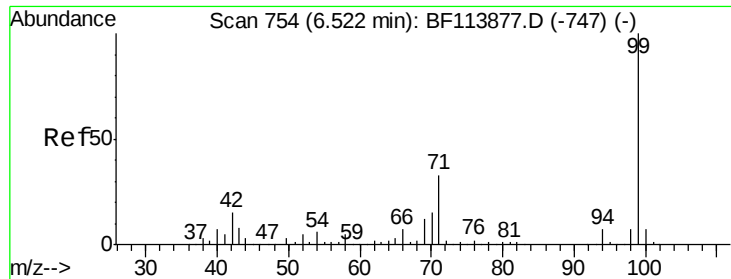
2-Fluorophenol
Concen: 63.345 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Tgt Ion:112 Resp: 306918
Ion Ratio Lower Upper
112 100
64 54.5 46.6 69.8
63 26.9 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 44.136 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF114091.D

Acq: 2 May 2019 18:17

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER

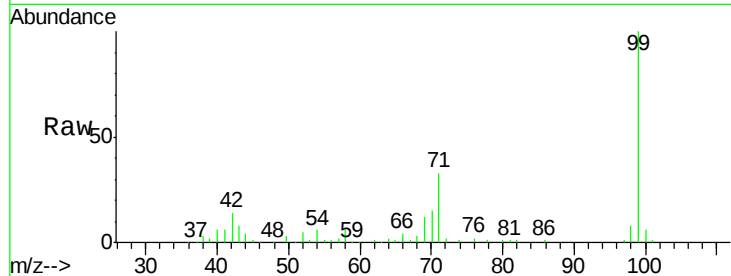
Tot Ion: 99 Resp: 268298

Ion Ratio Lower Upper

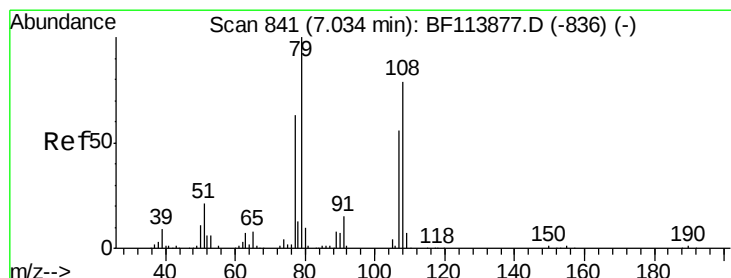
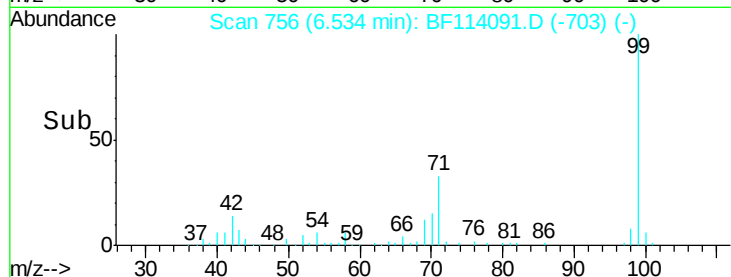
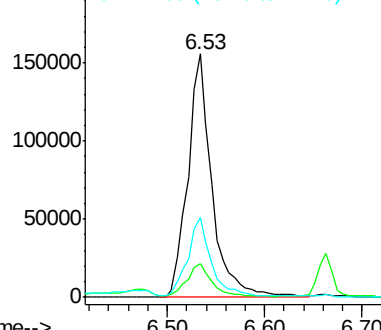
99 100

42 14.1 12.5 18.7

71 32.8 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#15

Benzyl Alcohol

Concen: 2.935 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF114091.D

Acq: 2 May 2019 18:17

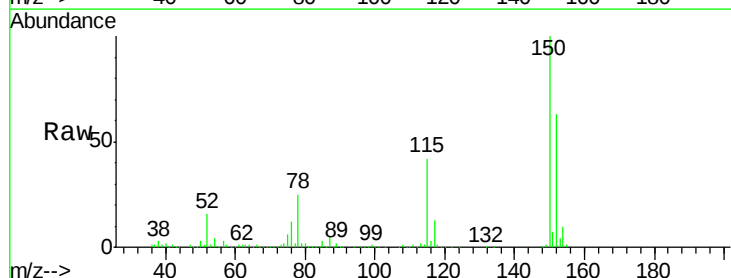
Tgt Ion: 79 Resp: 12018

Ion Ratio Lower Upper

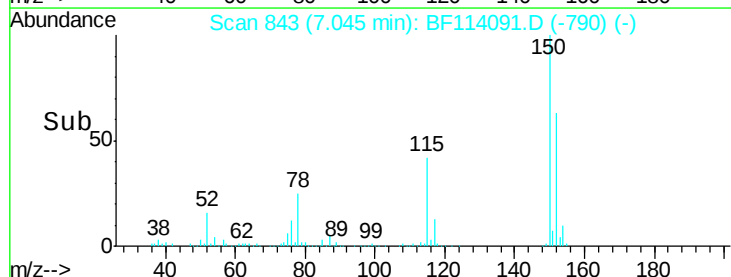
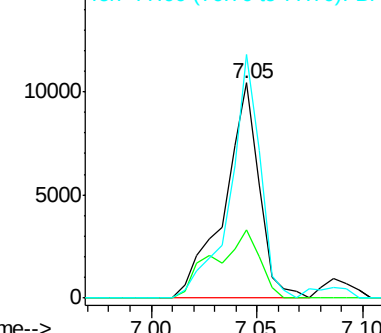
79 100

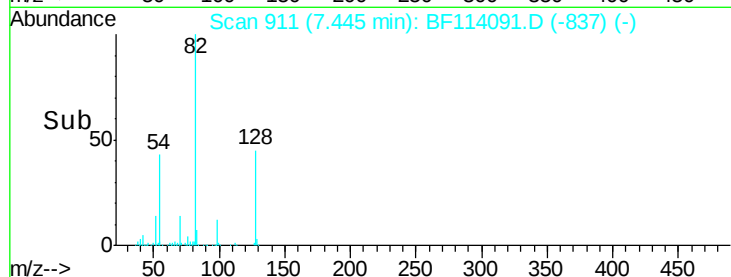
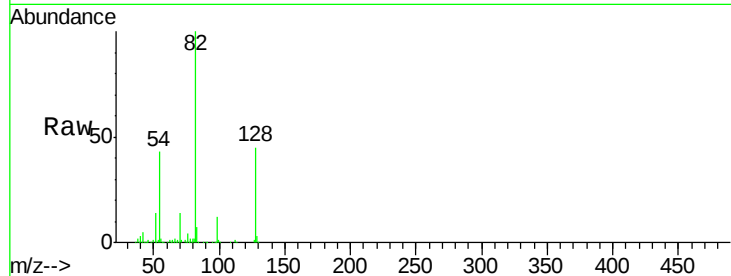
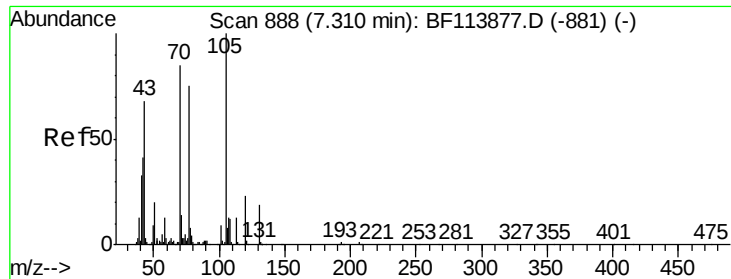
108 31.7 61.4 92.0#

77 113.3 51.6 77.4#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

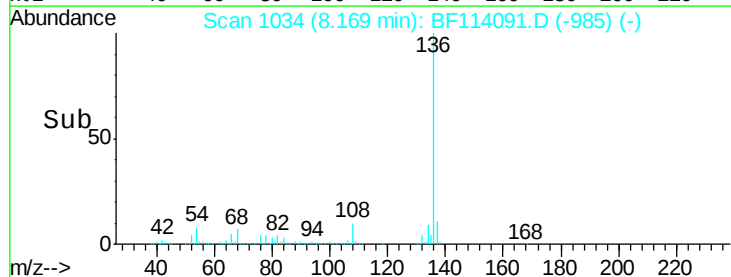
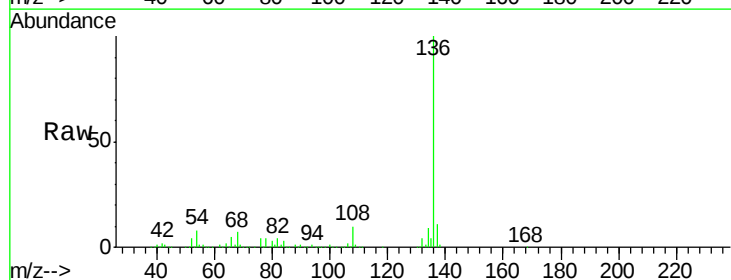
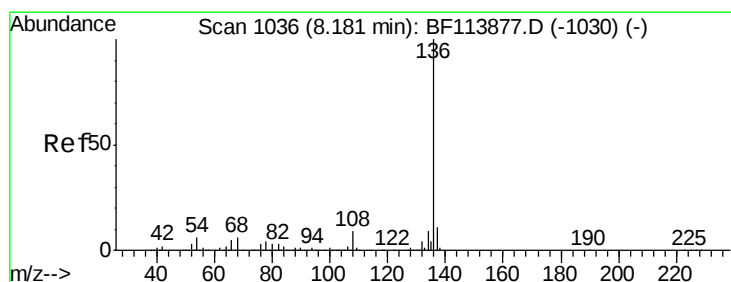
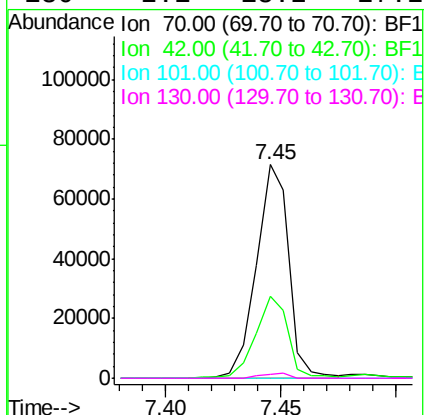




#19
n-Nitroso-di-n-propylamine
Concen: 17.818 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

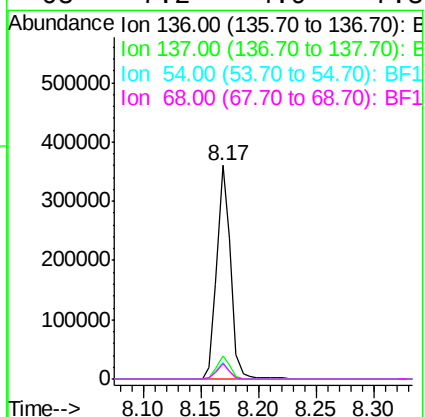
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

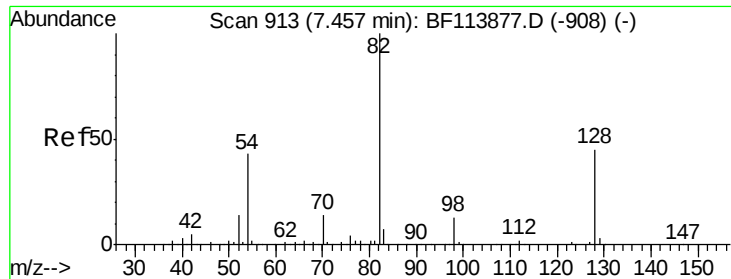
Tot Ion:	70	Resp:	70141
Ion	Ratio	Lower	Upper
70	100		
42	38.3	37.3	55.9
101	0.0	7.8	11.8#
130	2.1	18.2	27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Tgt Ion:	136	Resp:	299014
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.5	5.0	7.6
68	7.2	4.9	7.3

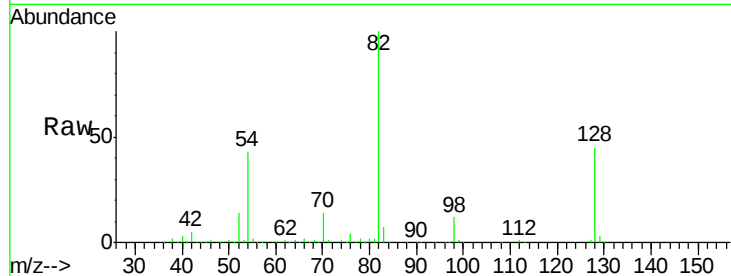




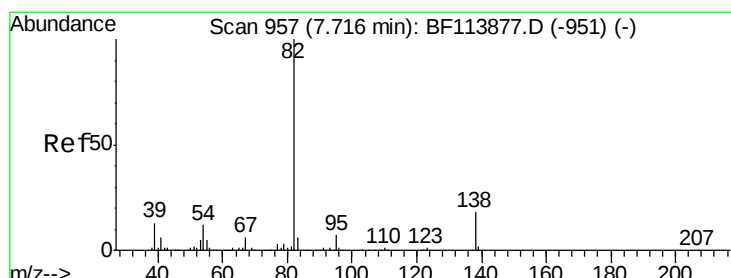
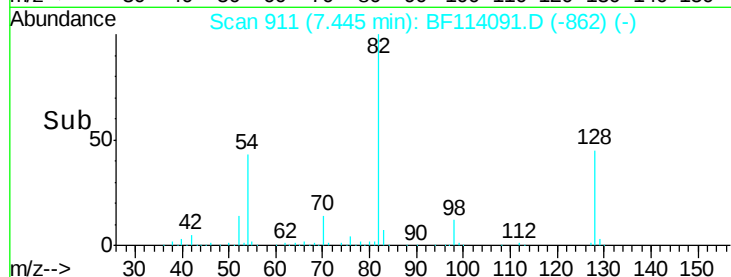
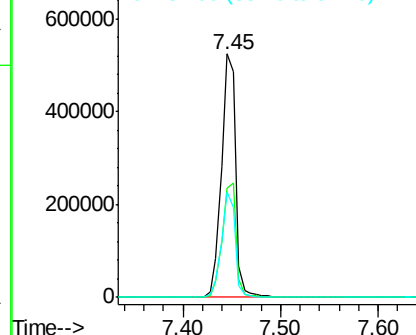
#23
Nitrobenzene-d5
Concen: 109.750 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Tot Ion: 82 Resp: 531499
Ion Ratio Lower Upper
82 100
128 44.8 36.8 55.2
54 43.2 33.8 50.6

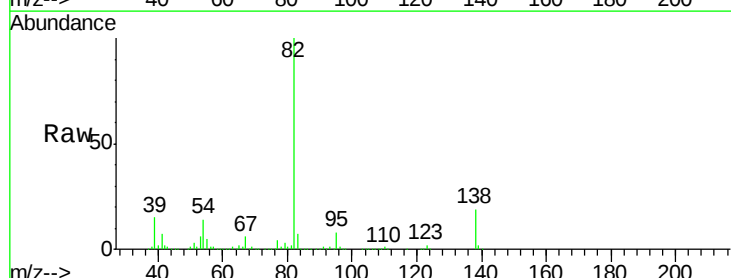


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

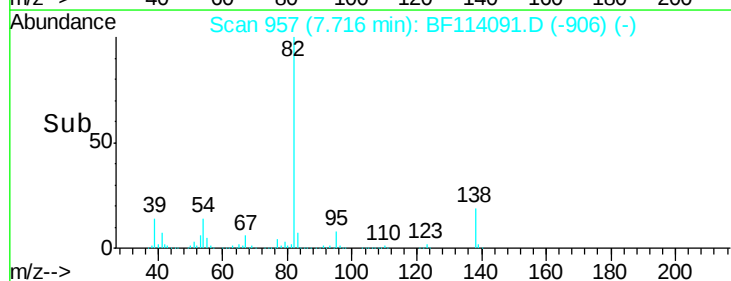
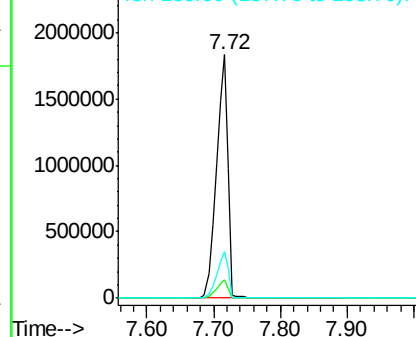


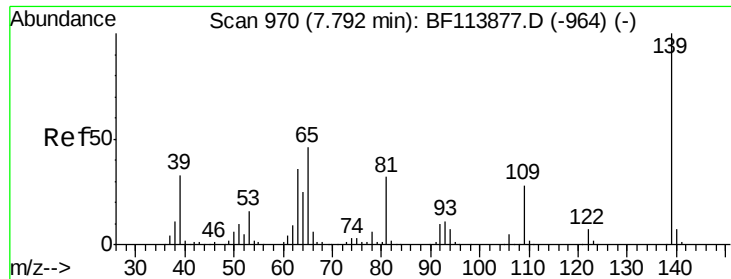
#25
Isophorone
Concen: 220.749 ng
RT: 7.72 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Tgt Ion: 82 Resp: 2187435
Ion Ratio Lower Upper
82 100
95 7.8 5.4 8.2
138 19.1 14.6 22.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

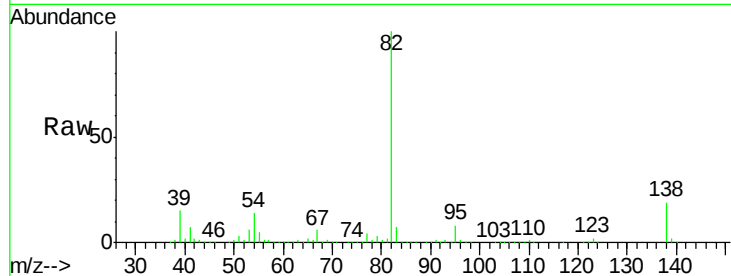




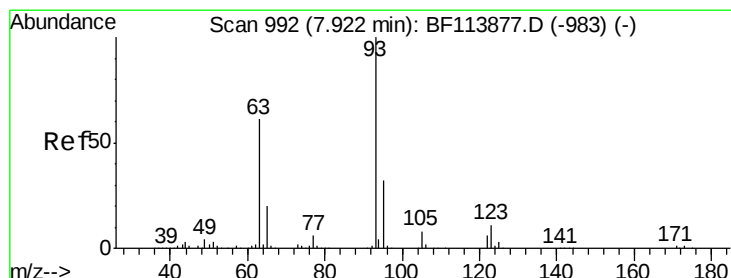
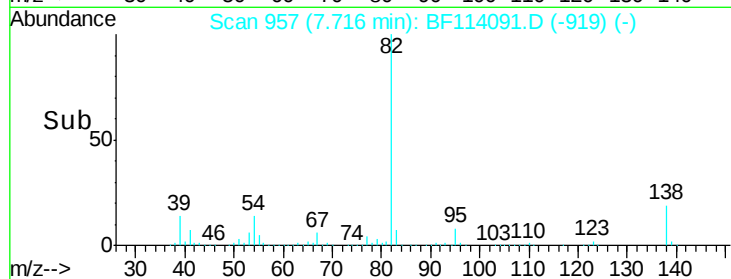
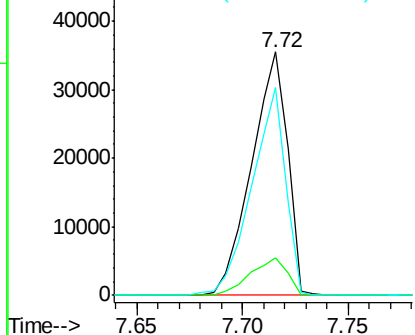
#26
2-Nitrophenol
Concen: 17.129 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.08 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Tot Ion:139 Resp: 41815
Ion Ratio Lower Upper
139 100
109 15.6 20.6 31.0#
65 85.3 34.6 52.0#

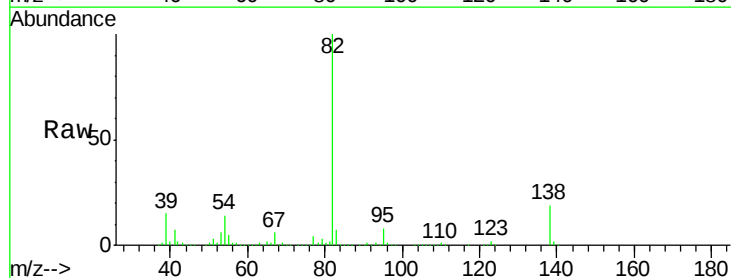


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

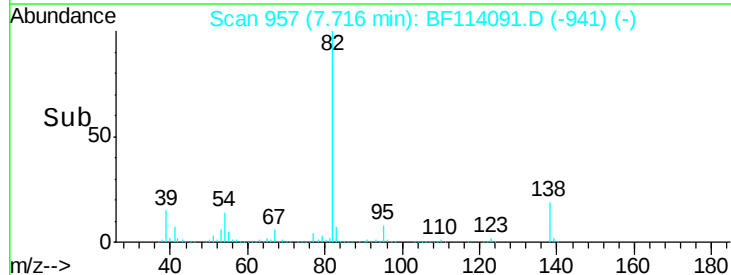
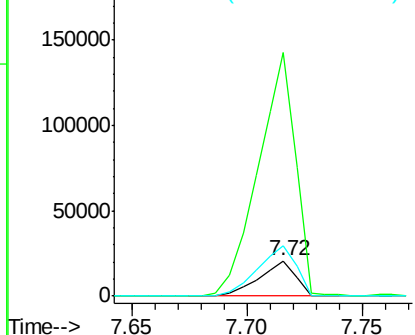


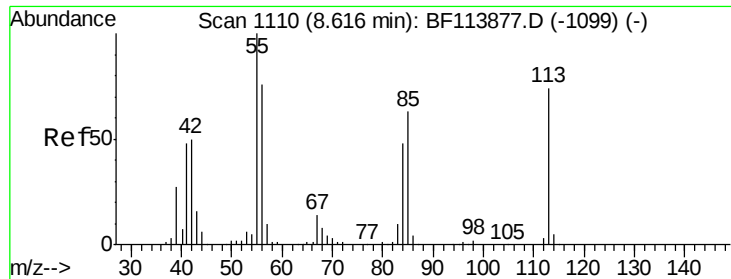
#28
bis(2-Chloroethoxy)methane
Concen: 3.589 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.21 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Tgt Ion: 93 Resp: 22664
Ion Ratio Lower Upper
93 100
95 695.0 25.8 38.6#
123 144.7 9.0 13.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E

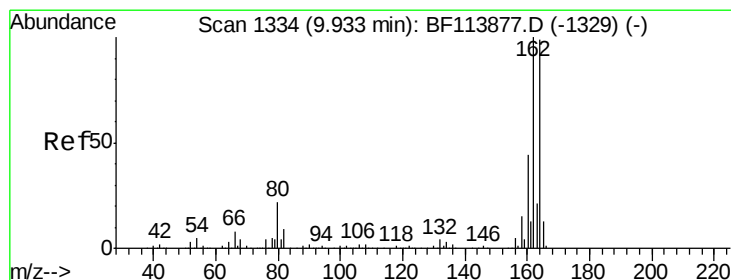
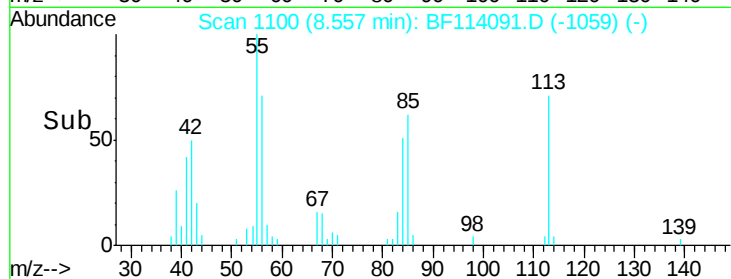
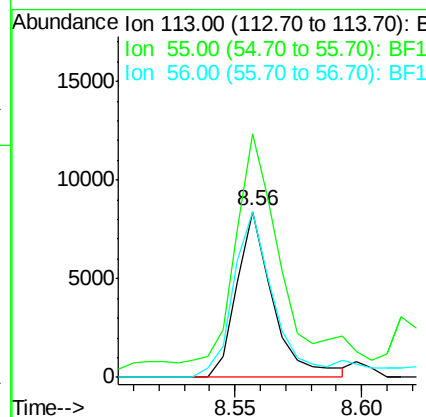
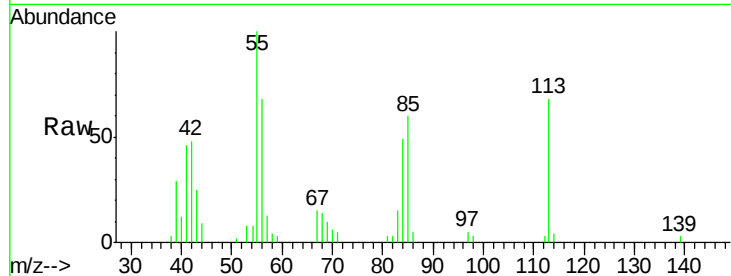




#35
 Caprolactam
 Concen: 5.747 ng
 RT: 8.56 min Scan# 1100
 Delta R.T. -0.06 min
 Lab File: BF114091.D
 Acq: 2 May 2019 18:17

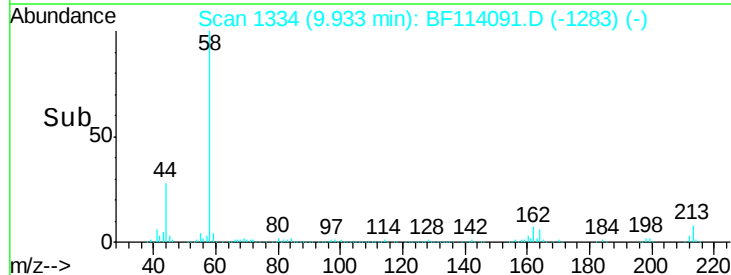
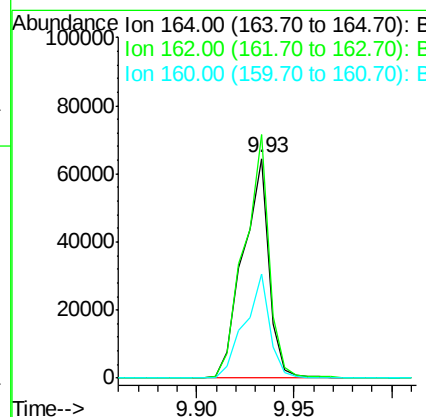
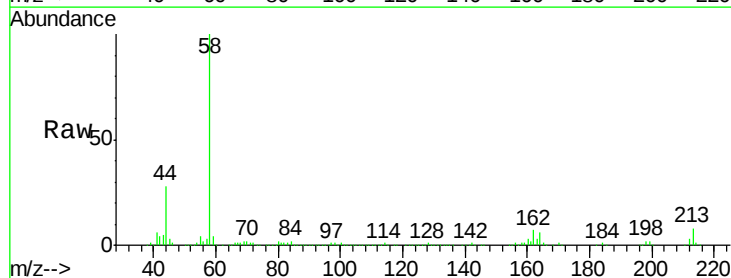
Instrument :
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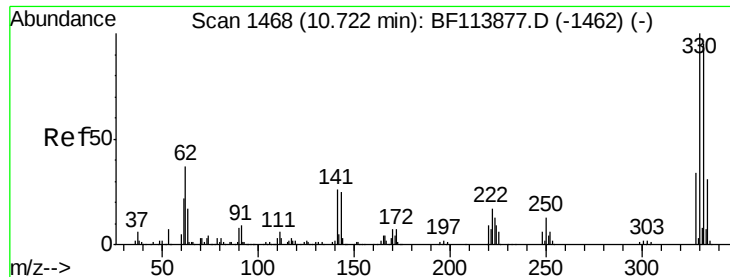
Tot Ion:113 Resp: 8315
 Ion Ratio Lower Upper
 113 100
 55 146.8 128.6 168.6
 56 100.0 91.9 131.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF114091.D
 Acq: 2 May 2019 18:17

Tgt Ion:164 Resp: 59664
 Ion Ratio Lower Upper
 164 100
 162 110.9 81.1 121.7
 160 47.7 35.8 53.6

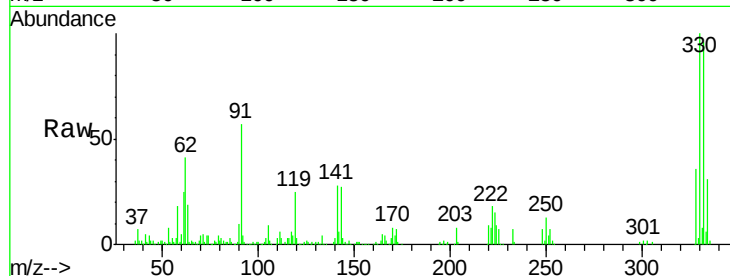




#42
 2,4,6-Tribromophenol
 Concen: 295.332 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF114091.D
 Acq: 2 May 2019 18:17

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.5	116.3
141	26.2	22.2	33.2

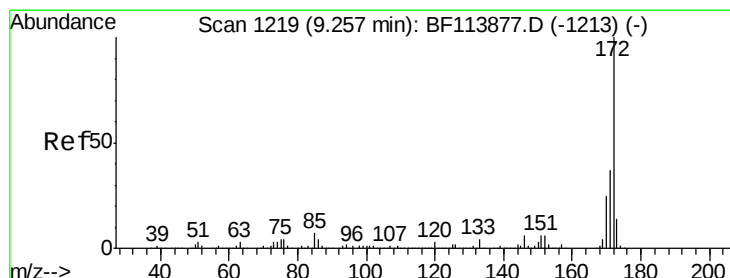
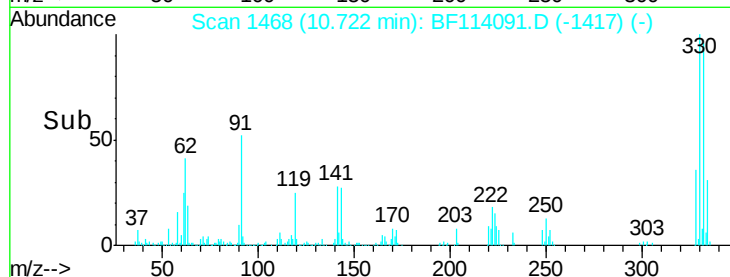
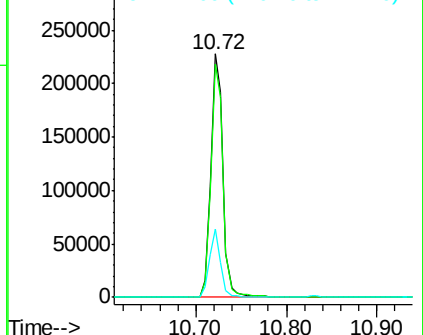


Abundance

Ion 329.80 (329.50 to 330.50): E

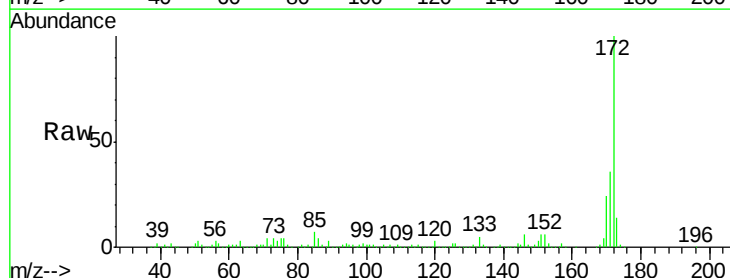
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 260.974 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF114091.D
 Acq: 2 May 2019 18:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	24.5	19.9	29.9

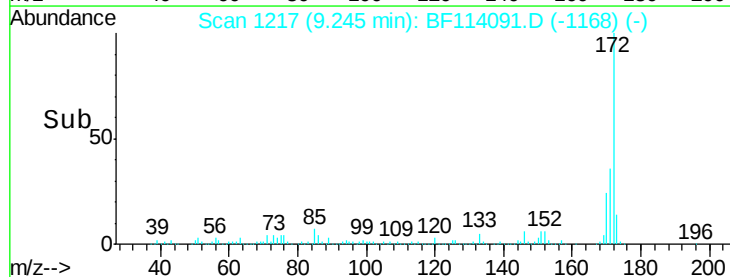
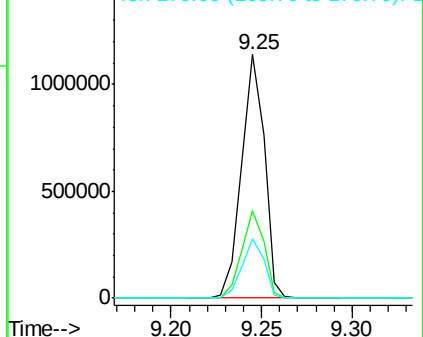


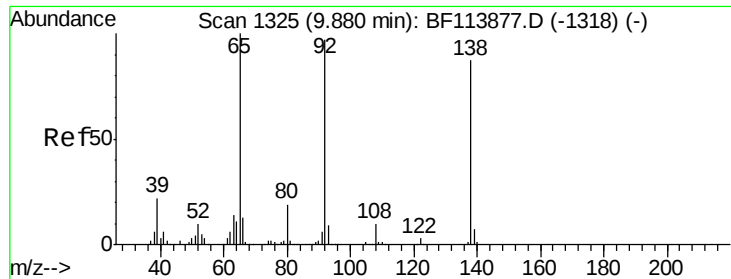
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

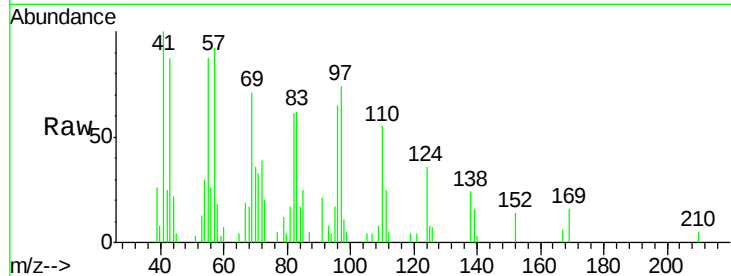




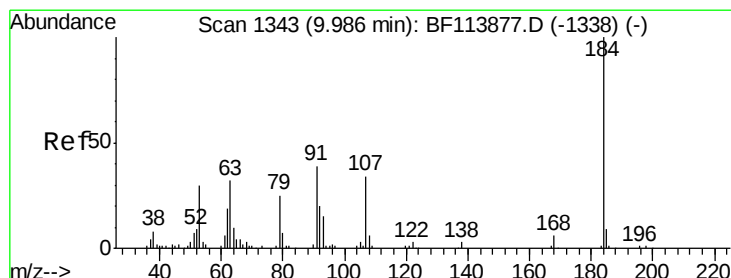
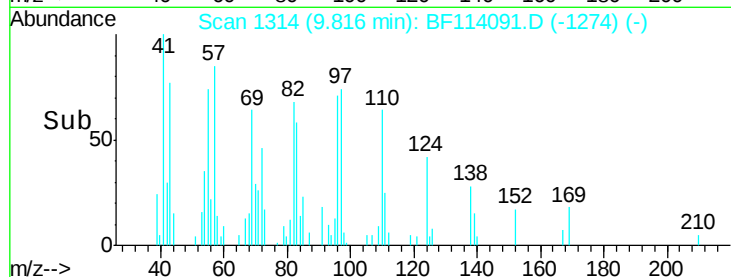
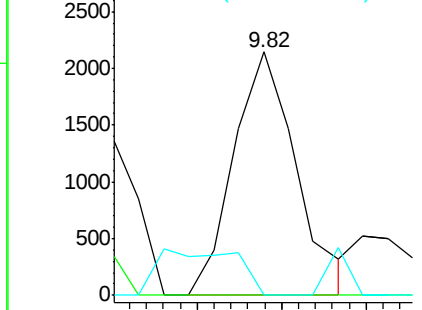
#53
 3-Nitroaniline
 Concen: 2.277 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.06 min
 Lab File: BF114091.D
 Acq: 2 May 2019 18:17

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Tot Ion:138 Resp: 2215
 Ion Ratio Lower Upper
 138 100
 108 0.0 9.4 14.2#
 92 0.0 94.1 141.1#

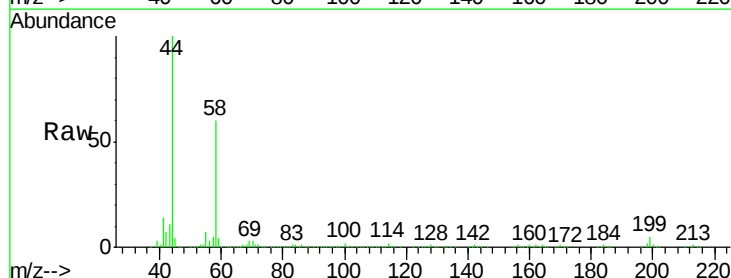


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

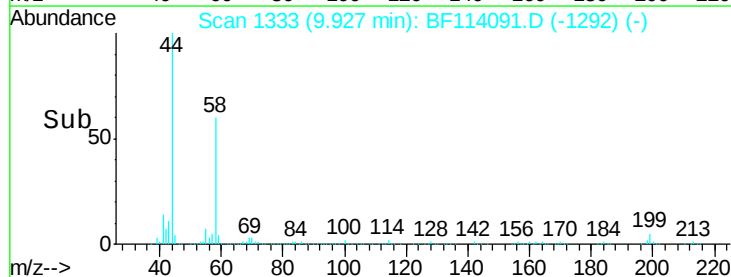
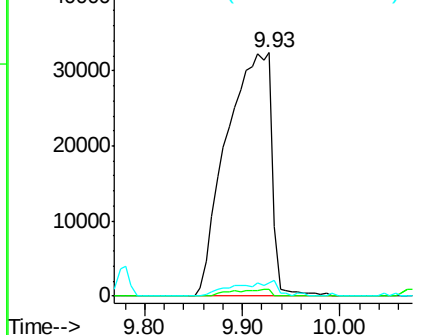


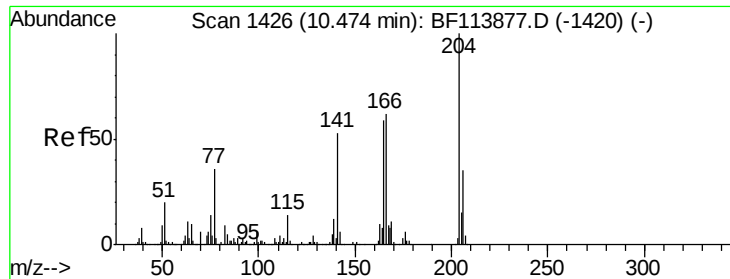
#54
 2,4-Dinitrophenol
 Concen: 243.387 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.06 min
 Lab File: BF114091.D
 Acq: 2 May 2019 18:17

Tgt Ion:184 Resp: 105076
 Ion Ratio Lower Upper
 184 100
 63 2.8 54.6 81.8#
 154 5.6 218.6 328.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

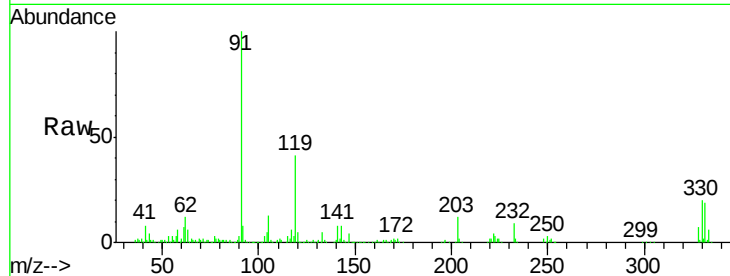




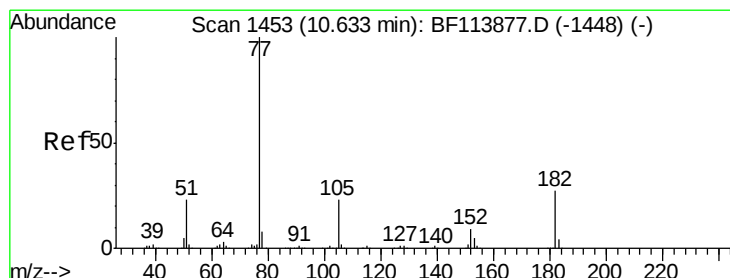
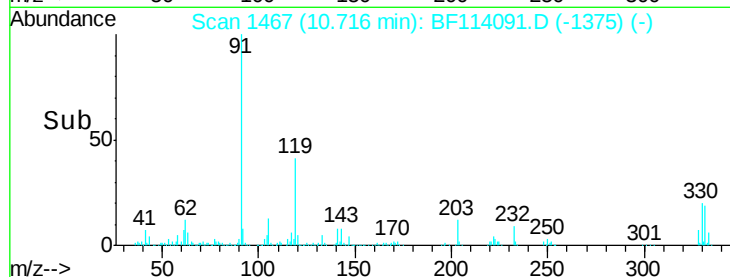
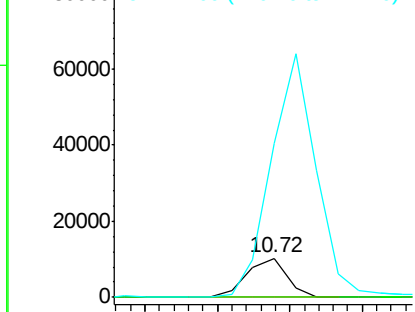
#61
4-Chlorophenyl-phenylether
Concen: 3.854 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.24 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Tot Ion: 204 Resp: 7894
Ion Ratio Lower Upper
204 100
206 0.0 27.4 41.2#
141 392.5 42.6 63.8#

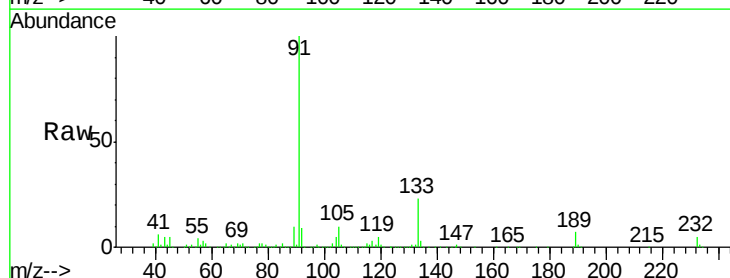


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

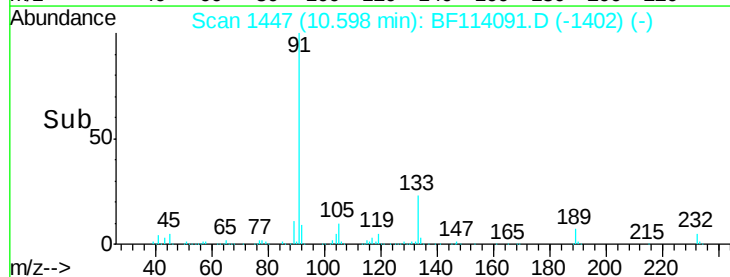
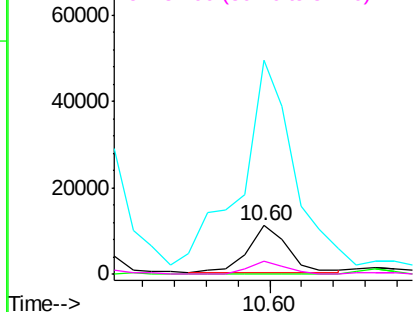


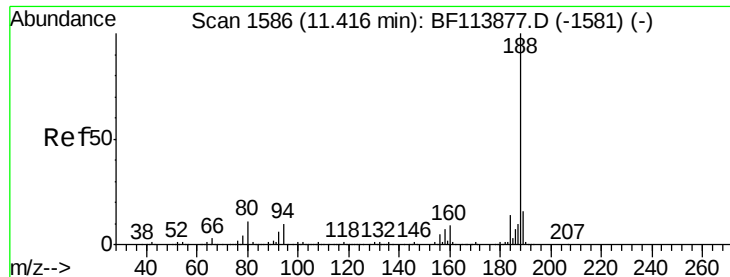
#63
Azobenzene
Concen: 2.338 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.04 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Tgt Ion: 77 Resp: 9287
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 443.3 2.2 42.2#
51 26.8 3.9 43.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

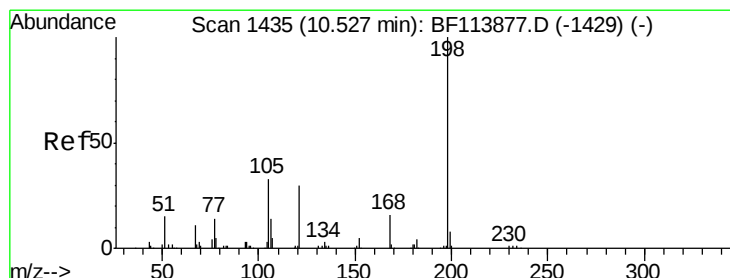
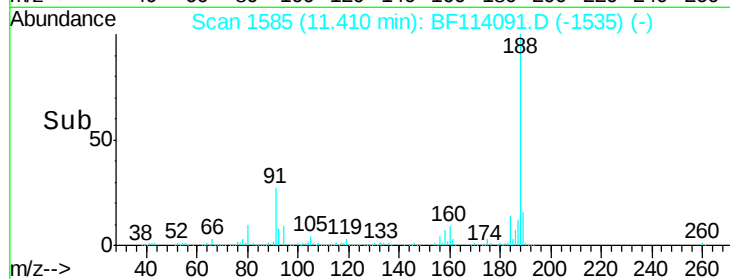
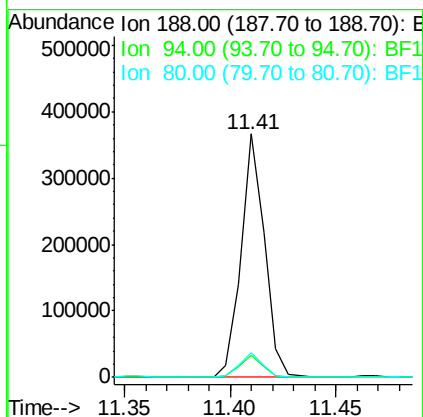
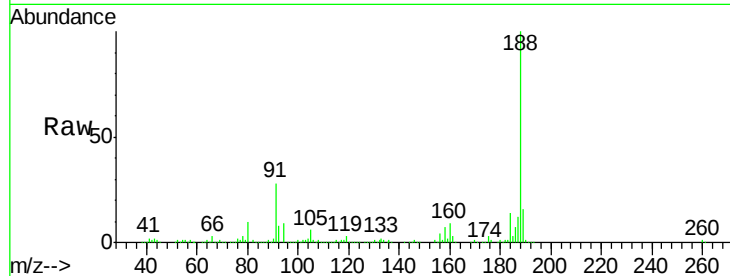




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

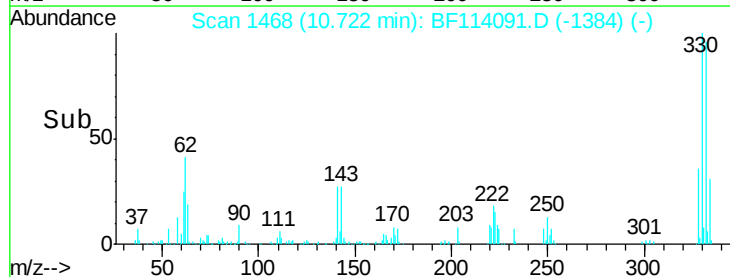
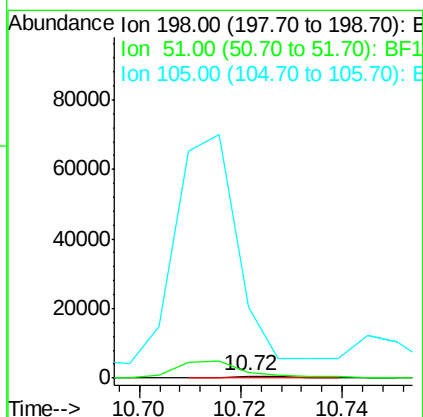
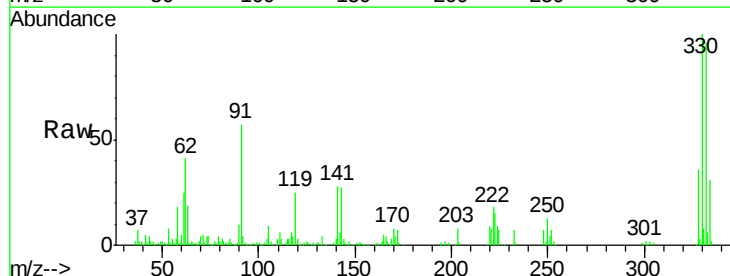
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

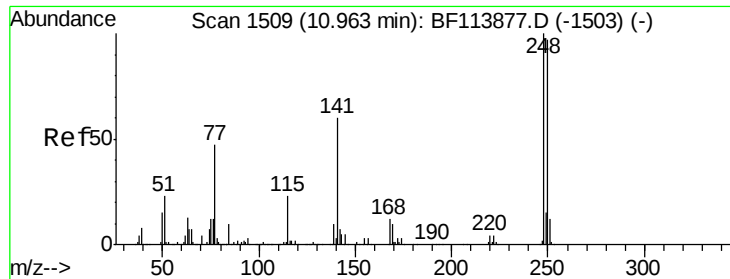
Tot Ion:188 Resp: 280083
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.4
80 10.3 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.567 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.19 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Tgt Ion:198 Resp: 392
Ion Ratio Lower Upper
198 100
51 230.3 11.1 51.1#
105 3289.7 20.7 60.7#

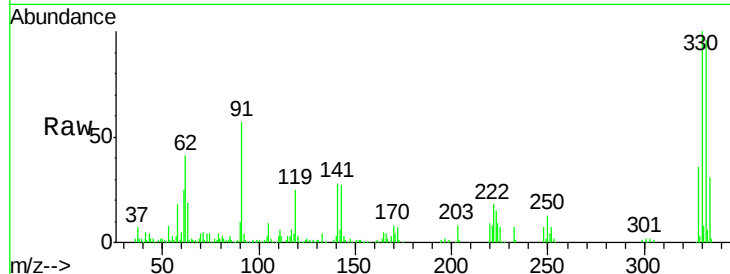




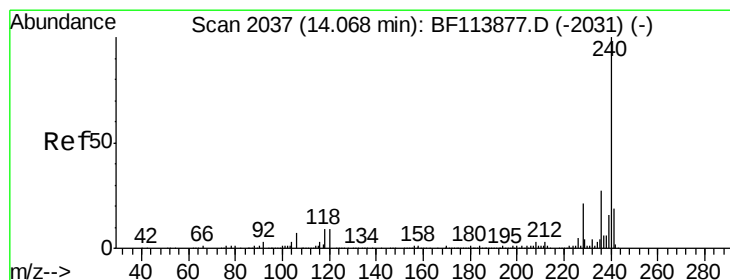
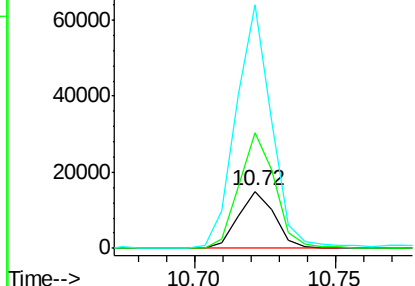
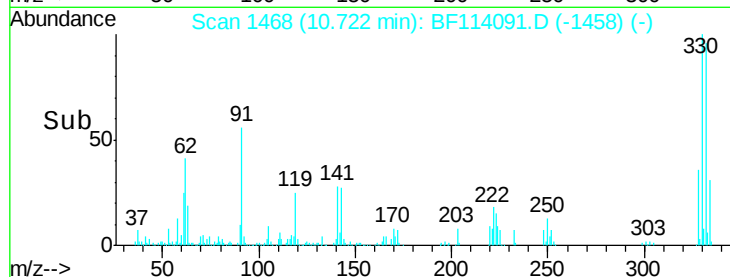
#67
4-Bromophenyl-phenylether
Concen: 3.904 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Tot Ion:248 Resp: 13209
Ion Ratio Lower Upper
248 100
250 204.9 75.8 113.6#
141 429.1 50.2 75.4#

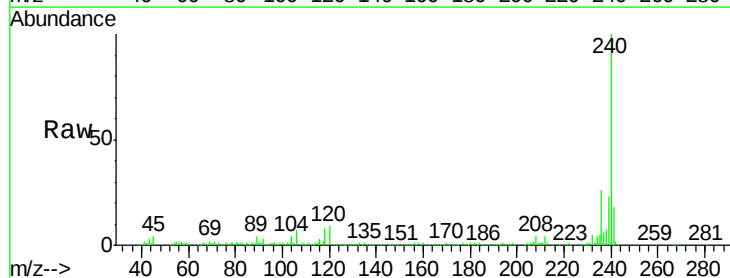


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

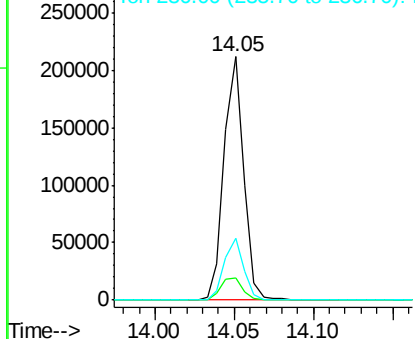
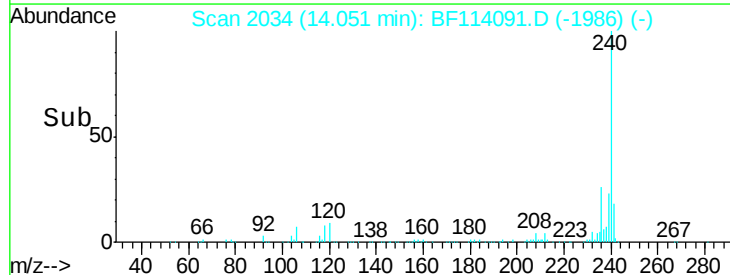


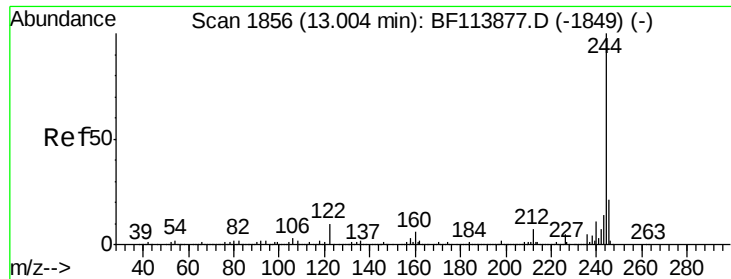
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF114091.D
Acq: 2 May 2019 18:17

Tgt Ion:240 Resp: 182034
Ion Ratio Lower Upper
240 100
120 9.0 9.3 13.9#
236 25.6 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 54.513 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF114091.D

Acq: 2 May 2019 18:17

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER

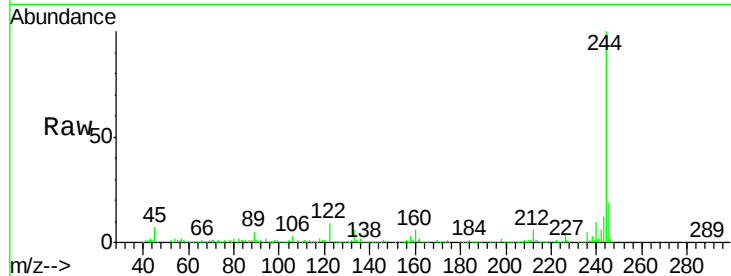
Tot Ion:244 Resp: 484029

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

122 8.9 7.6 11.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

600000

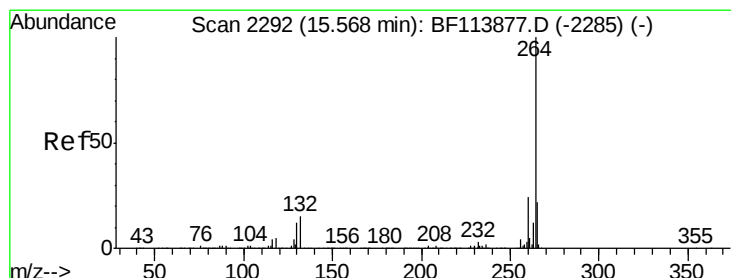
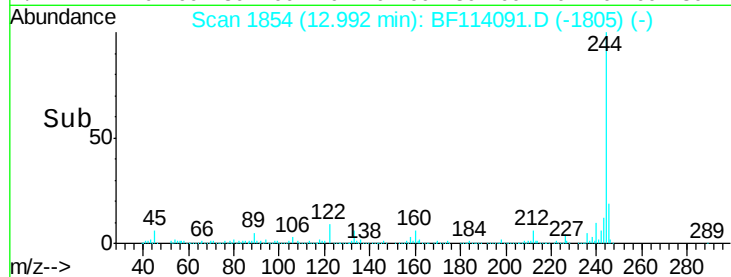
400000

200000

0

12.99

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF114091.D

Acq: 2 May 2019 18:17

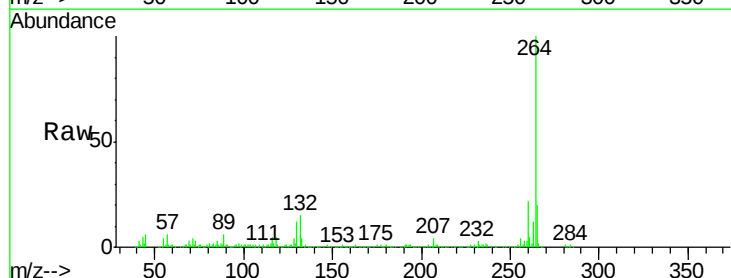
Tgt Ion:264 Resp: 212116

Ion Ratio Lower Upper

264 100

260 22.2 18.9 28.3

265 20.5 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

200000

150000

100000

50000

0

15.54

Time-->

