

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
 Data File : BF108314.D
 Acq On : 21 Aug 2018 2:11
 Operator : JU/SJ
 Sample : J4506-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATER

Quant Time: Aug 21 04:46:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	150644	20.00	ng	0.00
21) Naphthalene-d8	8.31	136	453688	20.00	ng	0.01
38) Acenaphthene-d10	10.07	164	220772	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	388109	20.00	ng	0.01
75) Chrysene-d12	14.22	240	273654	20.00	ng	0.00
86) Perylene-d12	15.78	264	211089	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	380767	45.76	ng	0.04
7) Phenol-d6	6.67	99	45240	4.09	ng	0.04
23) Nitrobenzene-d5	7.60	82	843676	103.77	ng	0.02
41) 2,4,6-Tribromophenol	10.87	330	203835	92.56	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1438471	104.61	ng	0.00
78) Terphenyl-d14	13.15	244	1190472	110.61	ng	0.00

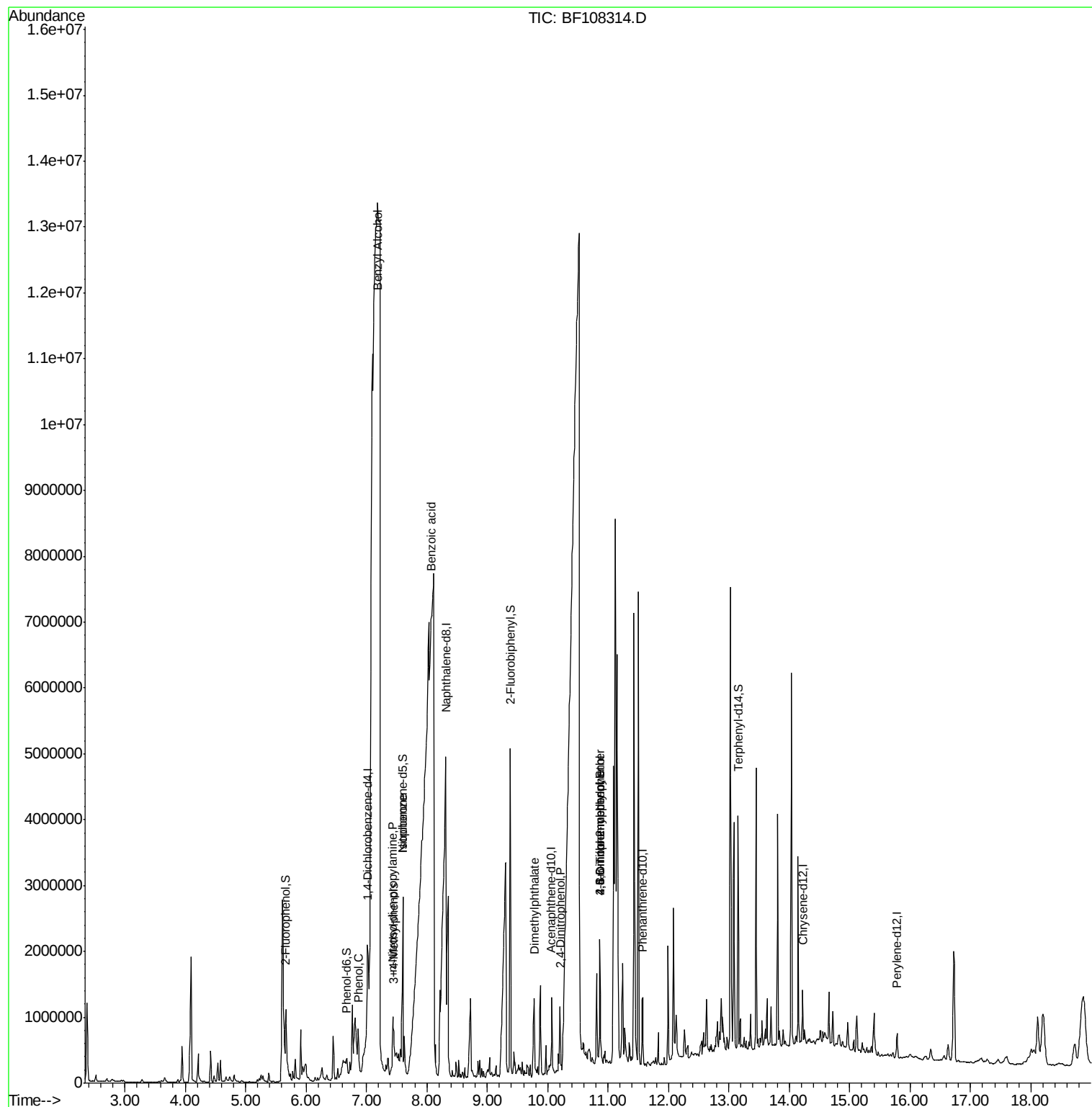
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.88	94	32609	2.851	ng	89
15) Benzyl Alcohol	7.18	79	50238	5.397	ng	# 39
19) n-Nitroso-di-n-propylamine	7.44	70	104286	13.947	ng	# 42
20) 3+4-Methylphenols	7.45	107	51124	4.964	ng	89
25) Isophorone	7.60	82	838406	54.102	ng	# 64
32) Benzoic acid	8.07	122	60656	19.280	ng	# 36
49) Dimethylphthalate	9.77	163	59974	3.900	ng	98
53) 2,4-Dinitrophenol	10.21	184	147	7.132	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.87	198	529	5.681	ng	# 1
66) 4-Bromophenyl-phenylether	10.87	248	13460	3.191	ng	# 1

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

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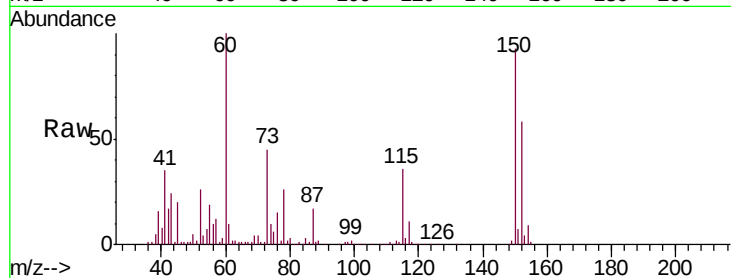


#1

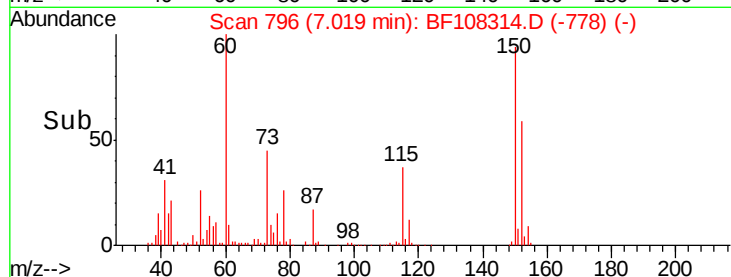
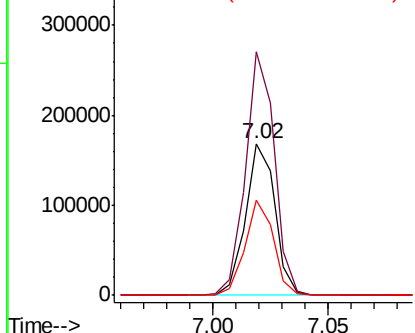
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion:152 Resp: 150644
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 62.8 50.1 75.1



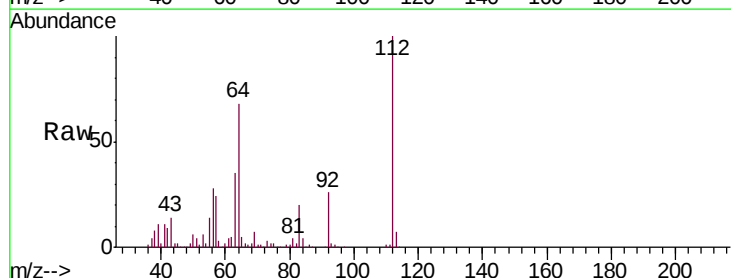
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



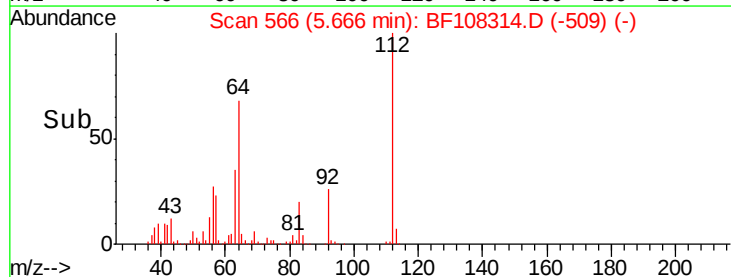
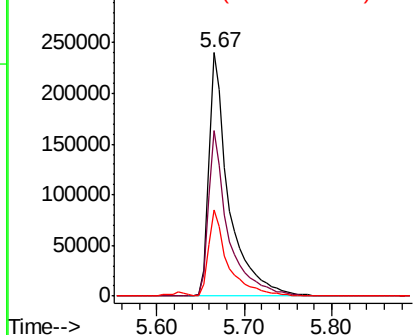
#5

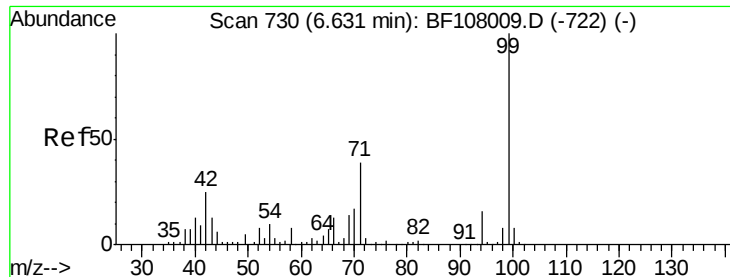
2-Fluorophenol
Concen: 45.761 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.04 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

Tgt Ion:112 Resp: 380767
Ion Ratio Lower Upper
112 100
64 68.0 47.9 71.9
63 35.5 23.7 35.5



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: 4.091 ng

RT: 6.67 min Scan# 737

Delta R.T. 0.04 min

Lab File: BF108314.D

Acq: 21 Aug 2018 2:11

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATER

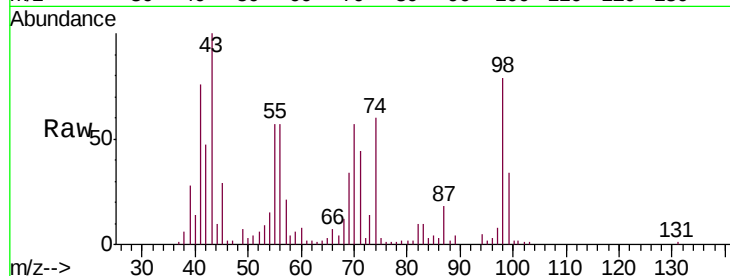
Tgt Ion: 99 Resp: 45240

Ion Ratio Lower Upper

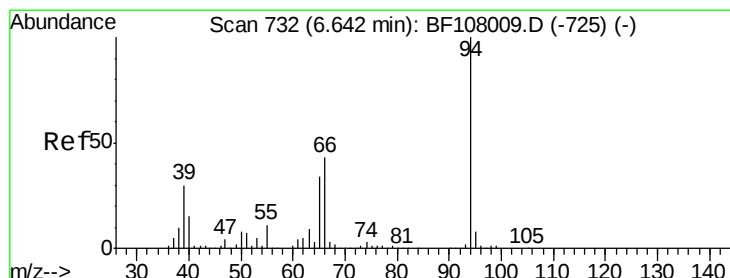
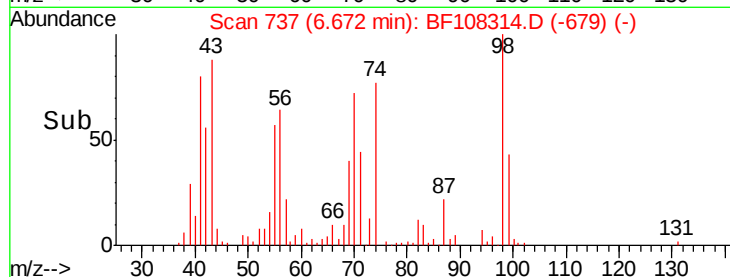
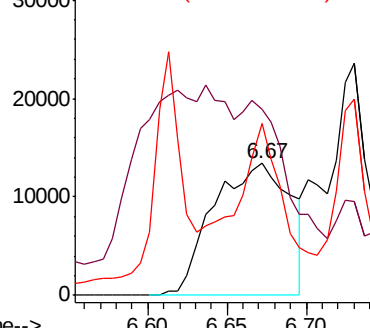
99 100

42 141.1 14.5 21.7#

71 130.3 25.4 38.0#



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



#10

Phenol

Concen: 2.851 ng

RT: 6.88 min Scan# 772

Delta R.T. 0.24 min

Lab File: BF108314.D

Acq: 21 Aug 2018 2:11

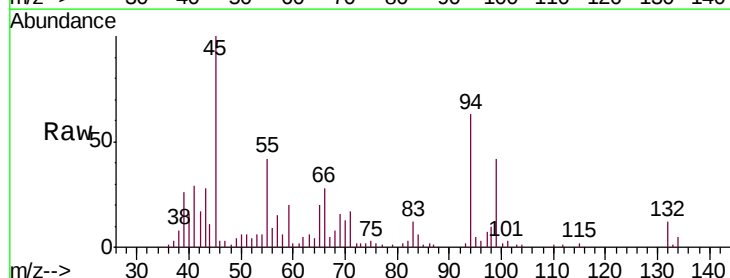
Tgt Ion: 94 Resp: 32609

Ion Ratio Lower Upper

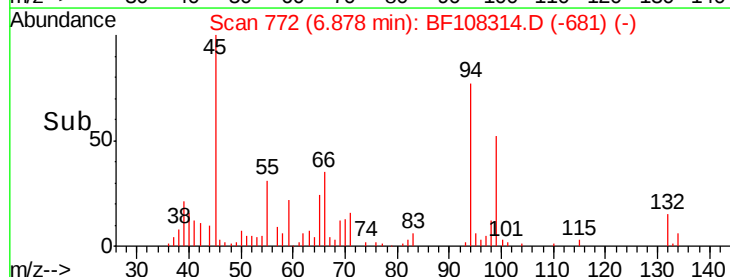
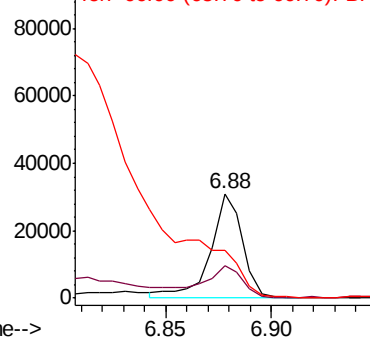
94 100

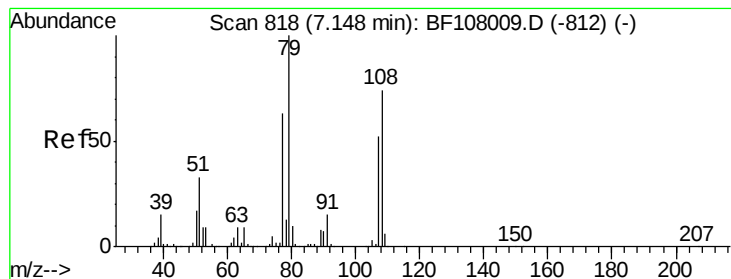
65 31.4 7.9 47.9

66 45.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 5.397 ng

RT: 7.18 min Scan# 824

Delta R.T. 0.04 min

Lab File: BF108314.D

Acq: 21 Aug 2018 2:11

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATER

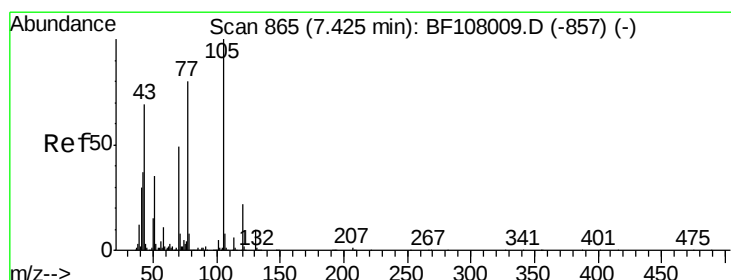
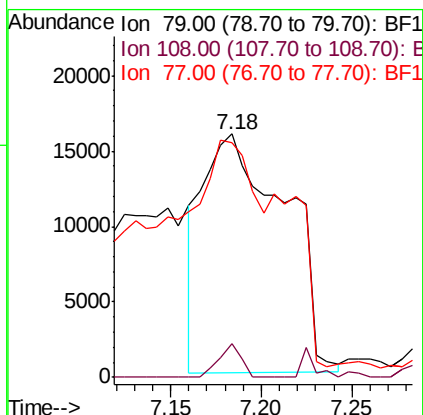
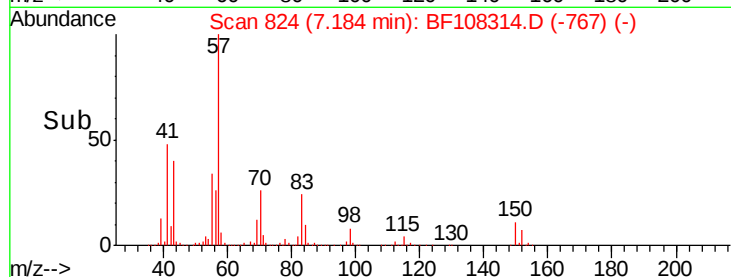
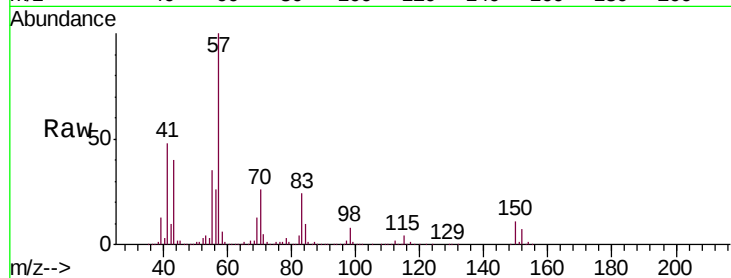
Tgt Ion: 79 Resp: 50238

Ion Ratio Lower Upper

79 100

108 13.6 65.1 97.7#

77 96.3 50.6 75.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.947 ng

RT: 7.44 min Scan# 867

Delta R.T. 0.01 min

Lab File: BF108314.D

Acq: 21 Aug 2018 2:11

Tgt Ion: 70 Resp: 104286

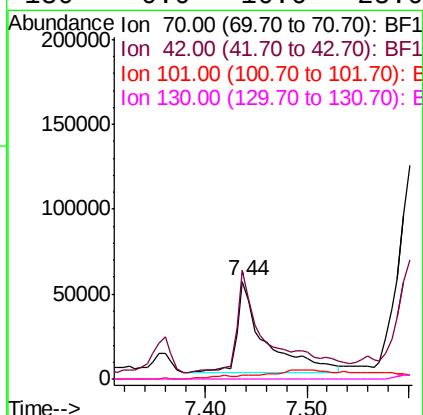
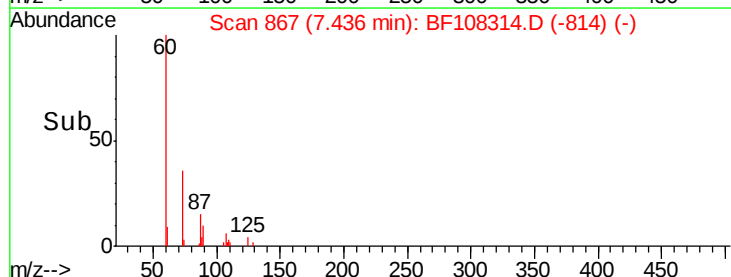
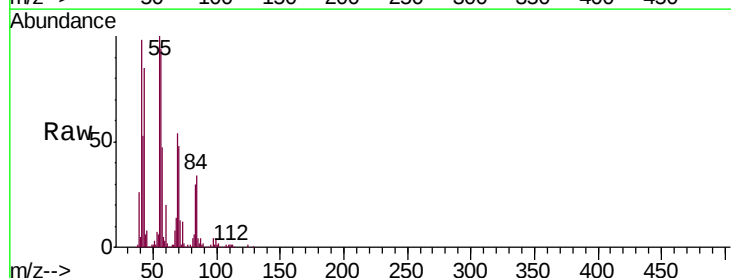
Ion Ratio Lower Upper

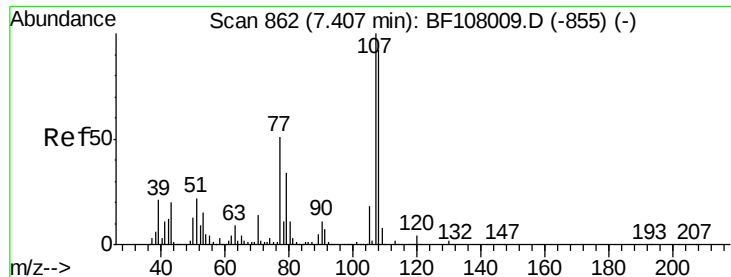
70 100

42 111.7 47.5 71.3#

101 4.3 7.4 11.2#

130 0.0 16.6 25.0#





#20

3+4-Methylphenols

Concen: 4.964 ng

RT: 7.45 min Scan# 870

Delta R.T. 0.05 min

Lab File: BF108314.D

Acq: 21 Aug 2018 2:11

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATER

Tgt Ion:107 Resp: 51124

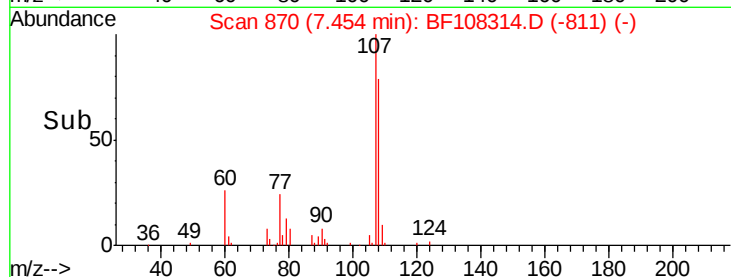
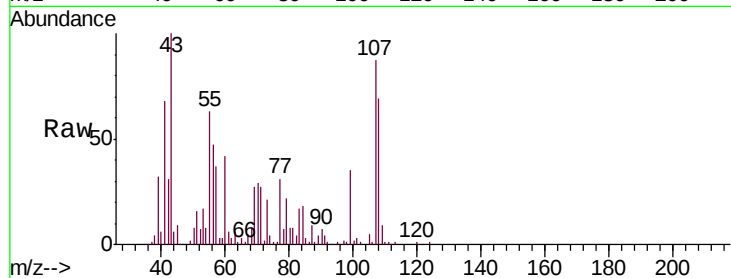
Ion Ratio Lower Upper

107 100

108 79.3 68.2 108.2

77 35.4 26.7 66.7

79 25.0 6.3 46.3

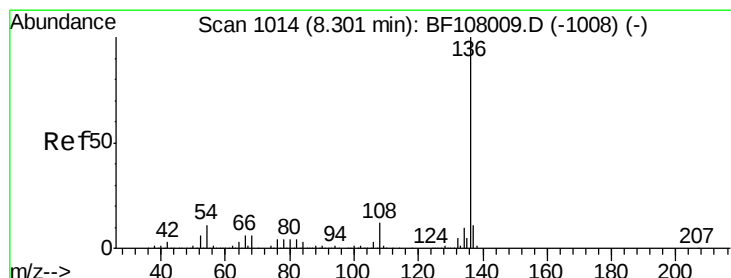
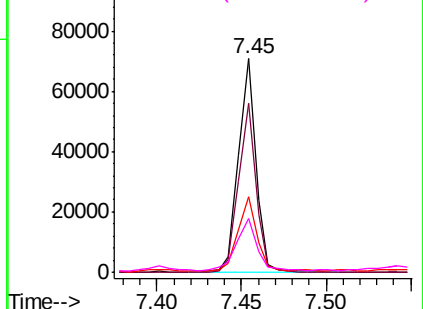


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.31 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF108314.D

Acq: 21 Aug 2018 2:11

Tgt Ion:136 Resp: 453688

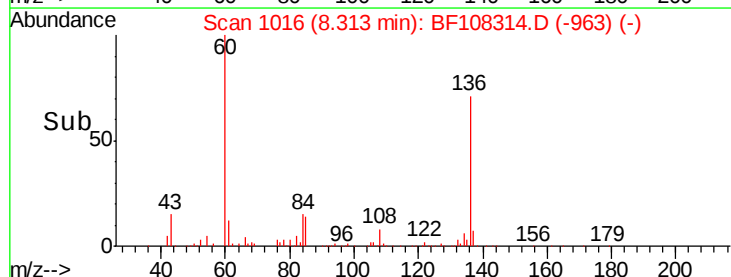
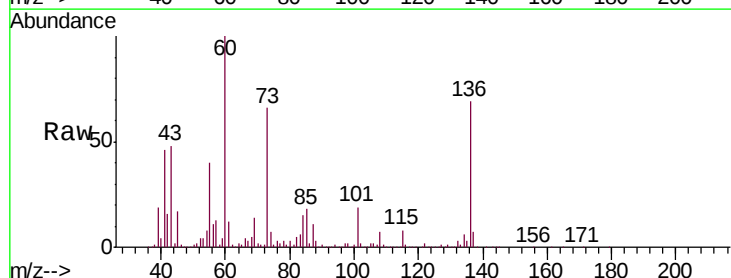
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 11.0 6.6 9.8#

68 6.7 5.0 7.4

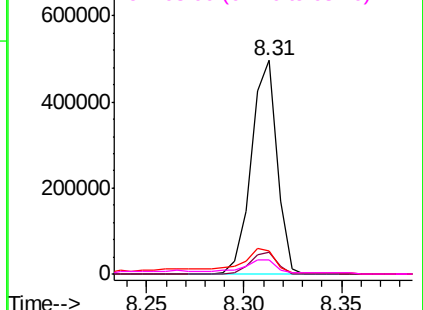


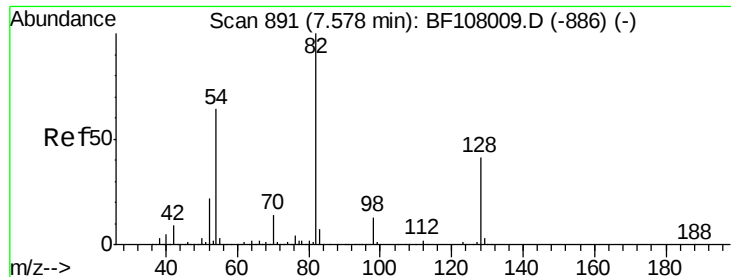
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

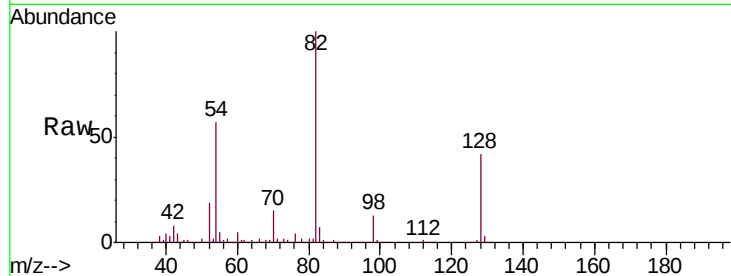




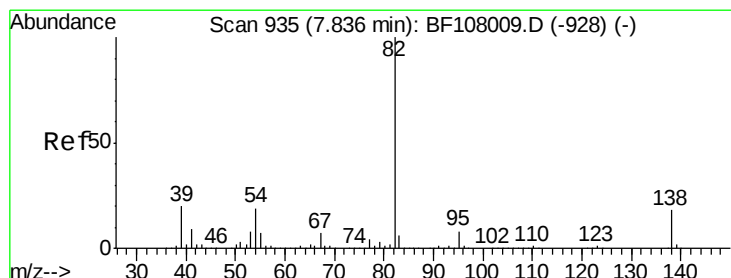
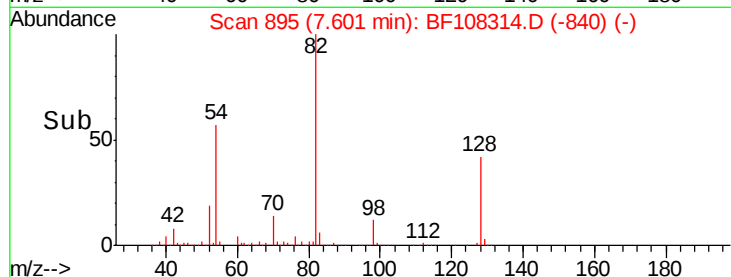
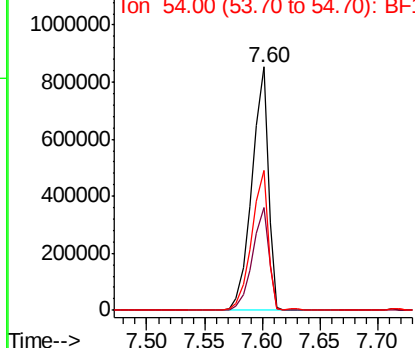
#23
Nitrobenzene-d5
Concen: 103.768 ng
RT: 7.60 min Scan# 895
Delta R.T. 0.02 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.1	36.1	54.1
54	57.5	41.4	62.2

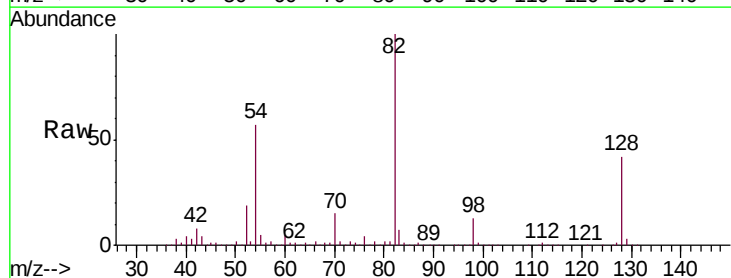


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

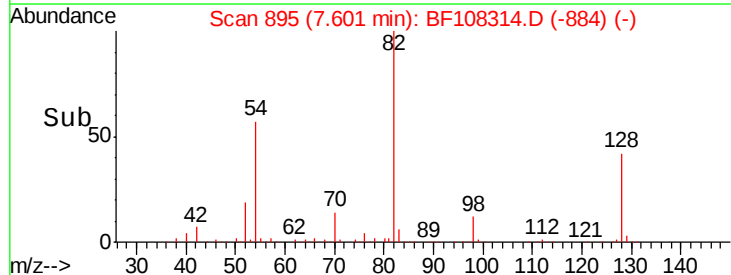
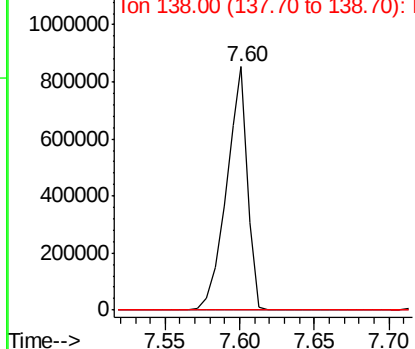


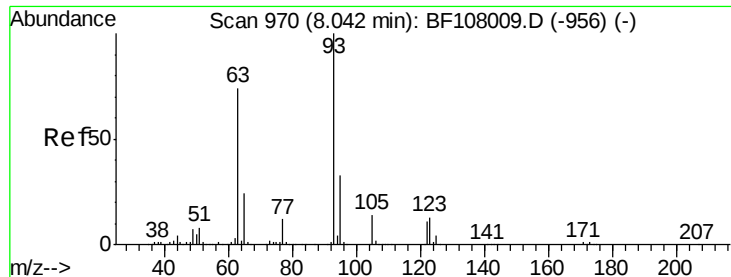
#25
Isophorone
Concen: 54.102 ng
RT: 7.60 min Scan# 895
Delta R.T. -0.24 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#



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

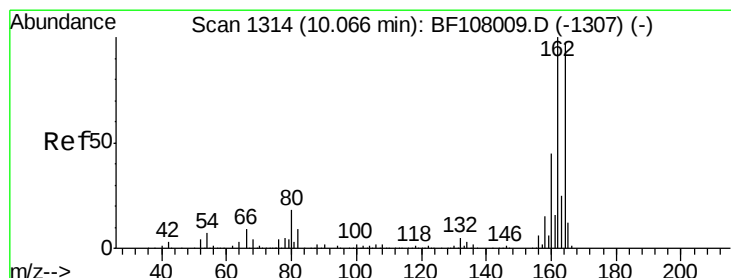
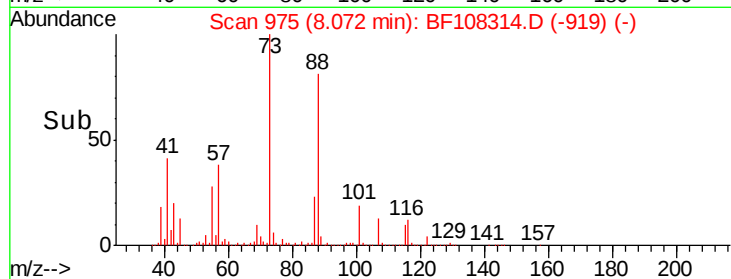
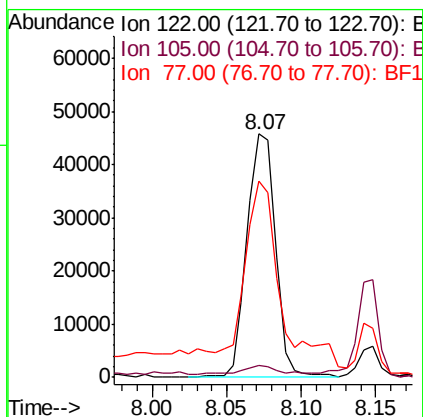
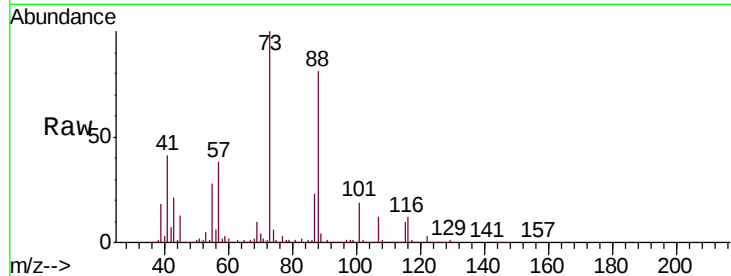




#32
Benzoic acid
Concen: 19.280 ng
RT: 8.07 min Scan# 975
Delta R.T. 0.03 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

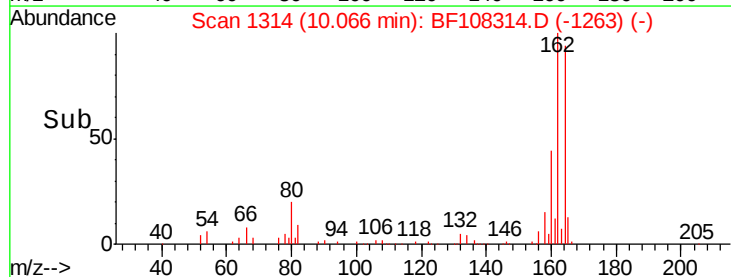
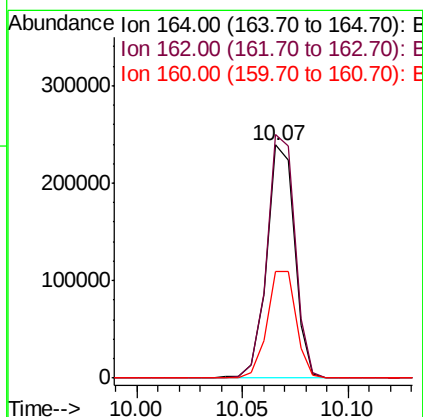
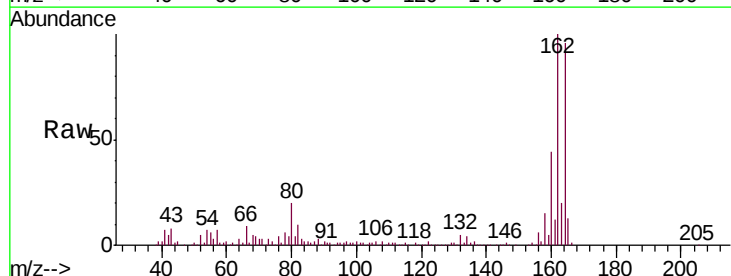
Instrument :
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EFF-WASTE-WATER

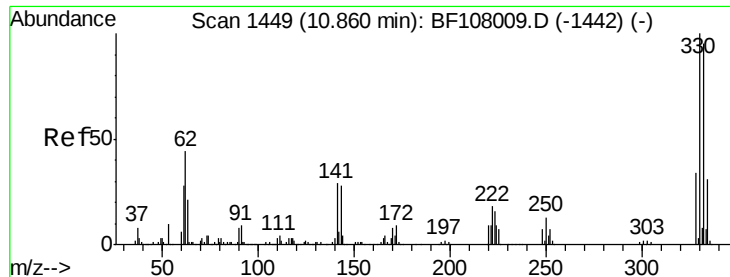
Tgt Ion:122 Resp: 60656
Ion Ratio Lower Upper
122 100
105 4.9 101.1 141.1#
77 80.5 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

Tgt Ion:164 Resp: 220772
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 45.7 38.3 57.5

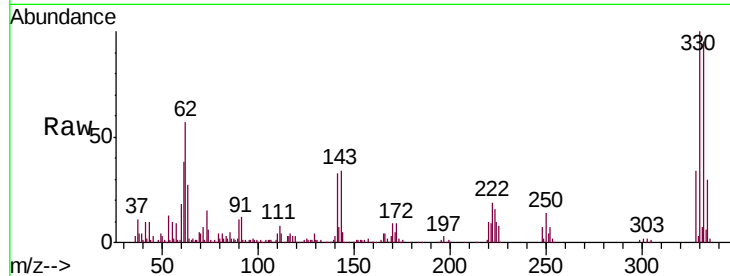




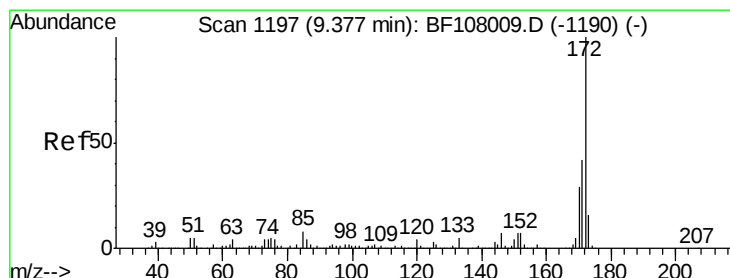
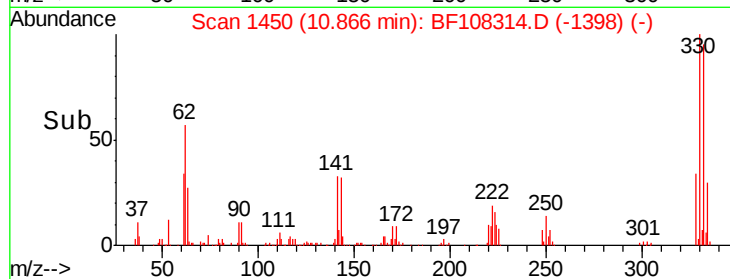
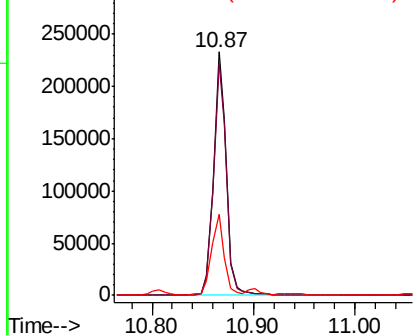
#41
 2,4,6-Tribromophenol
 Concen: 92.562 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108314.D
 Acq: 21 Aug 2018 2:11

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATER

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	32.0	29.9	44.9

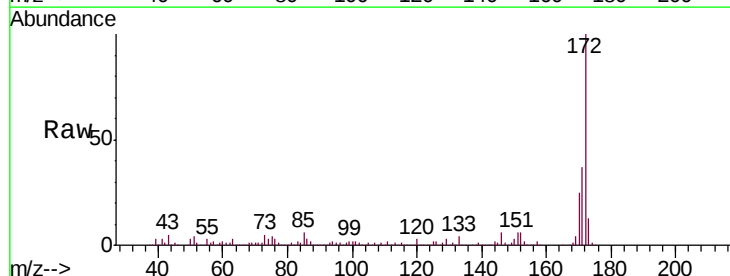


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

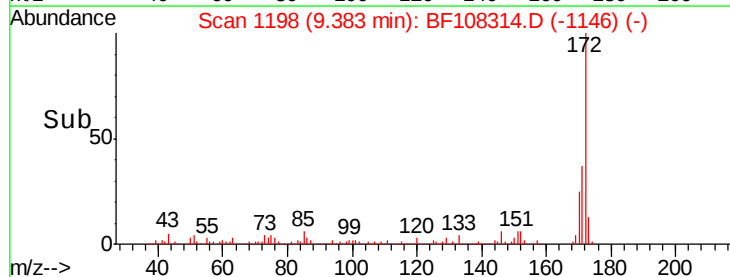
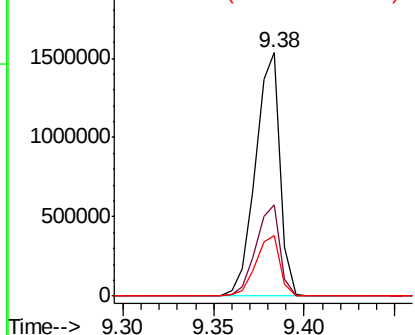


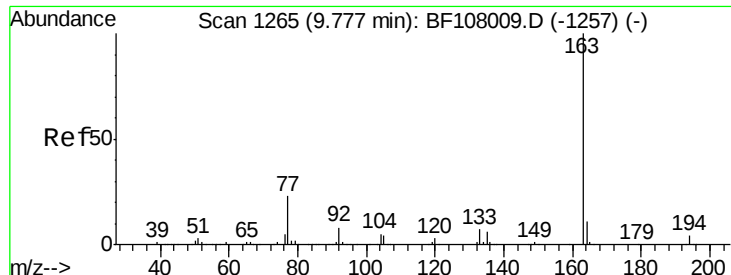
#44
 2-Fluorobiphenyl
 Concen: 104.607 ng
 RT: 9.38 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF108314.D
 Acq: 21 Aug 2018 2:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	25.1	19.6	29.4



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

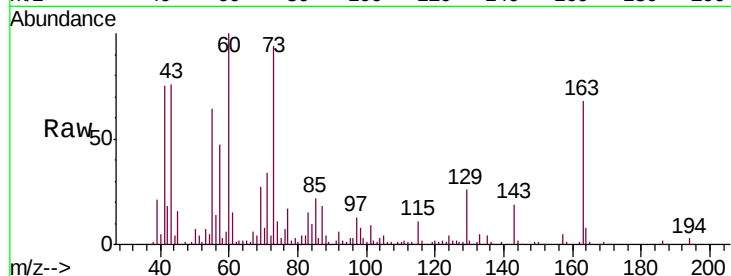




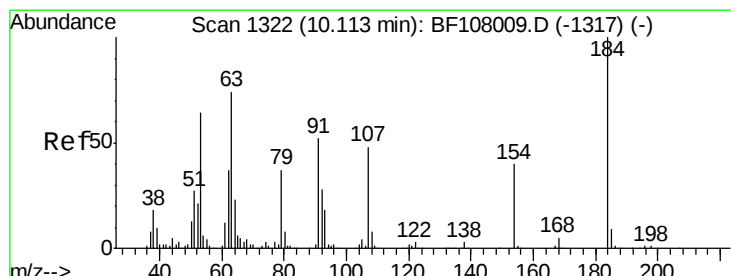
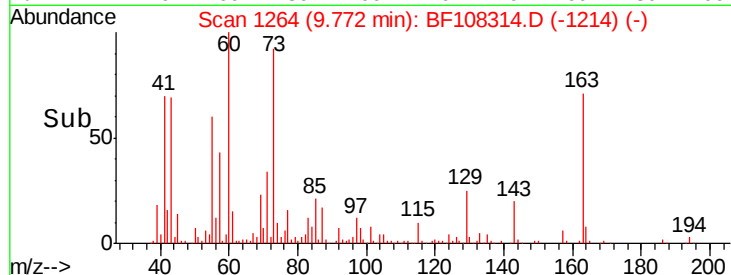
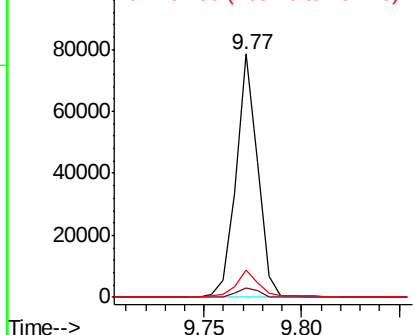
#49
Dimethylphthalate
Concen: 3.900 ng
RT: 9.77 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion:163 Resp: 59974
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 11.1 8.2 12.2

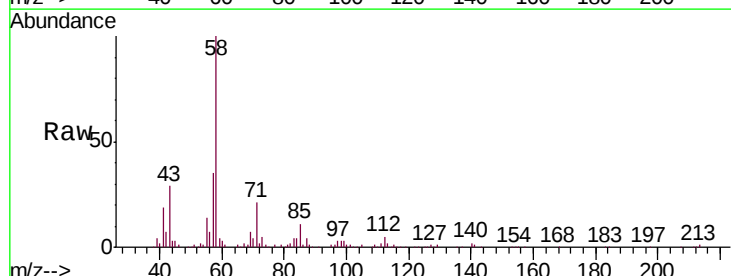


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

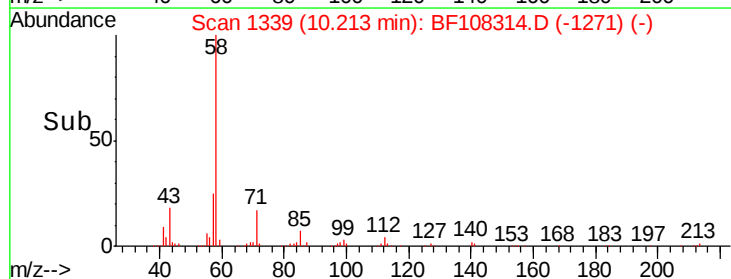
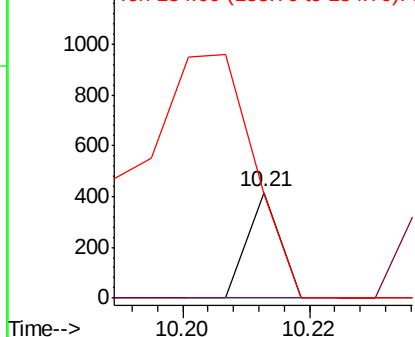


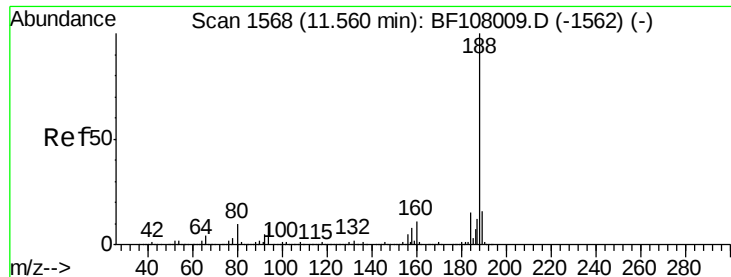
#53
2,4-Dinitrophenol
Concen: 7.132 ng
RT: 10.21 min Scan# 1339
Delta R.T. 0.10 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

Tgt Ion:184 Resp: 147
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 99.0 184.0 276.0#



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

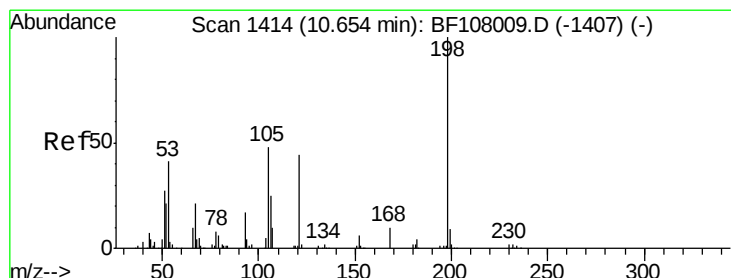
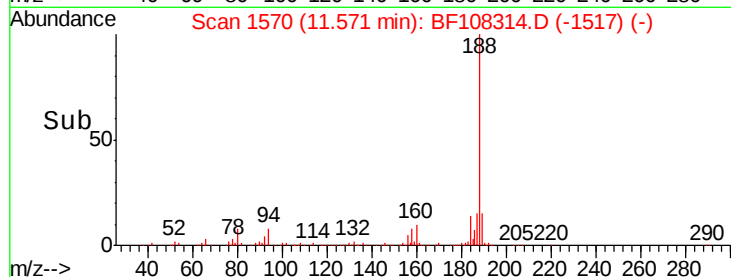
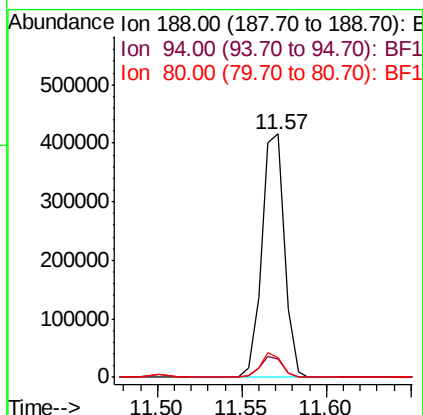
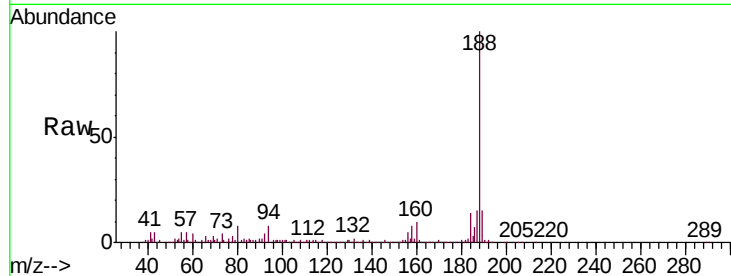




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

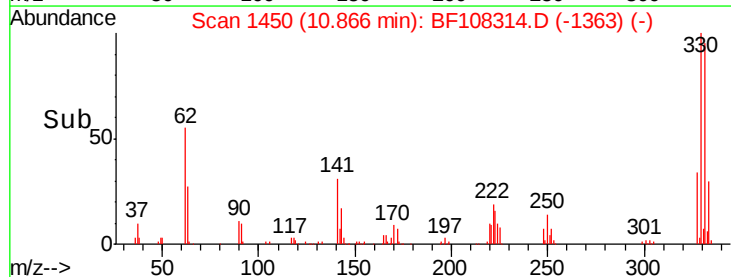
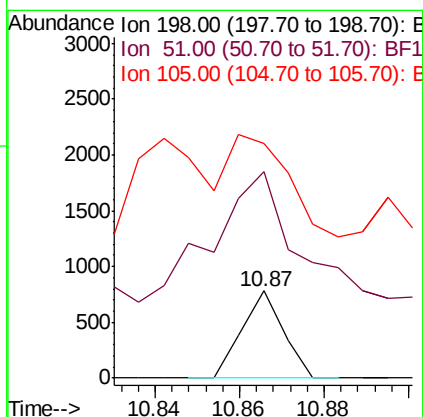
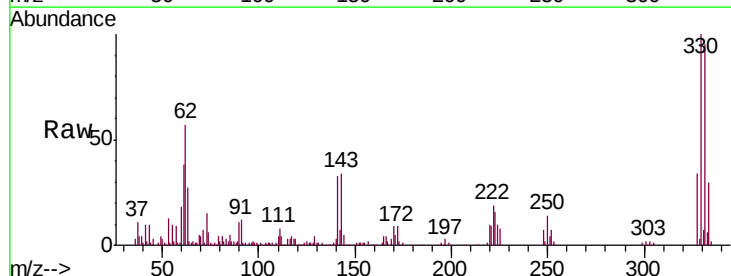
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

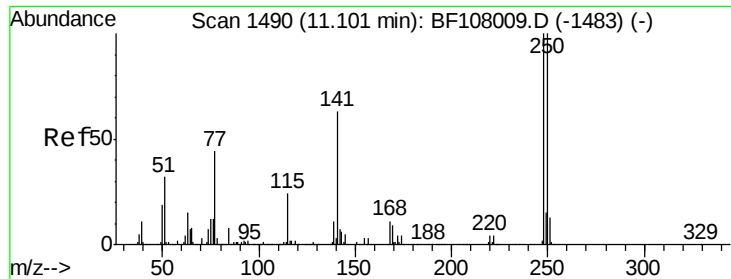
Tgt Ion:188 Resp: 388109
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.1 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.681 ng
RT: 10.87 min Scan# 1450
Delta R.T. 0.21 min
Lab File: BF108314.D
Acq: 21 Aug 2018 2:11

Tgt Ion:198 Resp: 529
Ion Ratio Lower Upper
198 100
51 236.1 37.7 77.7#
105 268.7 36.3 76.3#

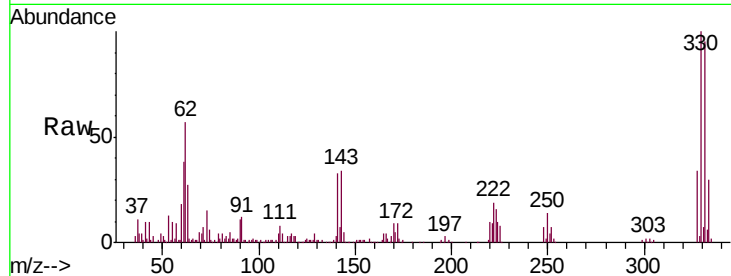




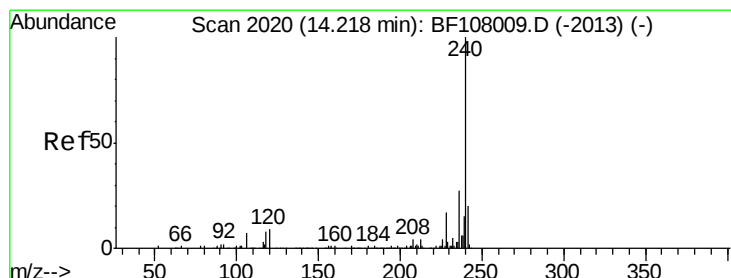
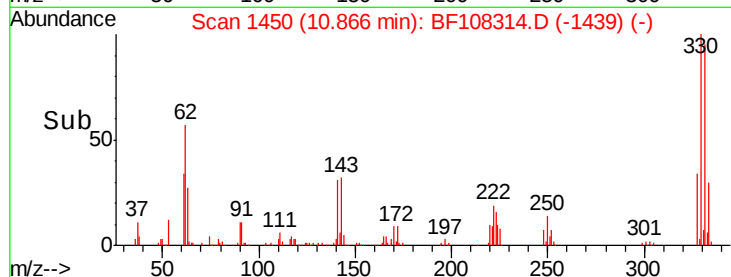
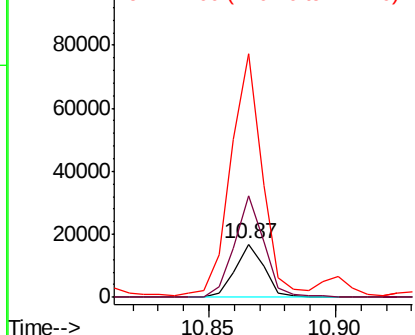
#66
 4-Bromophenyl-phenylether
 Concen: 3.191 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. -0.24 min
 Lab File: BF108314.D
 Acq: 21 Aug 2018 2:11

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATER

Tgt Ion:248 Resp: 13460
 Ion Ratio Lower Upper
 248 100
 250 190.9 76.9 115.3#
 141 459.2 74.4 111.6#

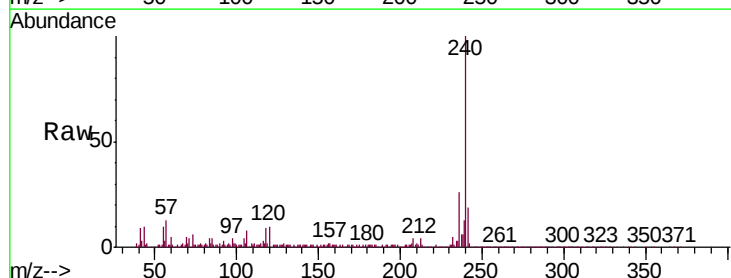


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

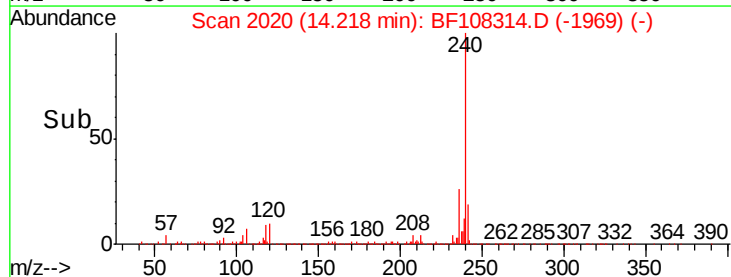
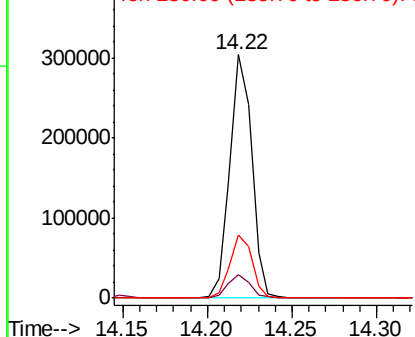


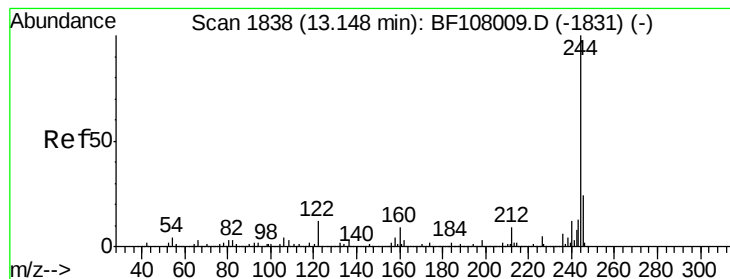
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.22 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: BF108314.D
 Acq: 21 Aug 2018 2:11

Tgt Ion:240 Resp: 273654
 Ion Ratio Lower Upper
 240 100
 120 9.7 9.5 14.3
 236 25.7 20.7 31.1



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





#78

Terphenyl-d14

Concen: 110.609 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108314.D

Acq: 21 Aug 2018 2:11

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATER

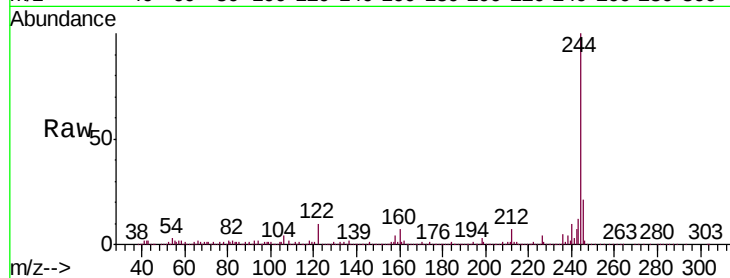
Tgt Ion:244 Resp: 1190472

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

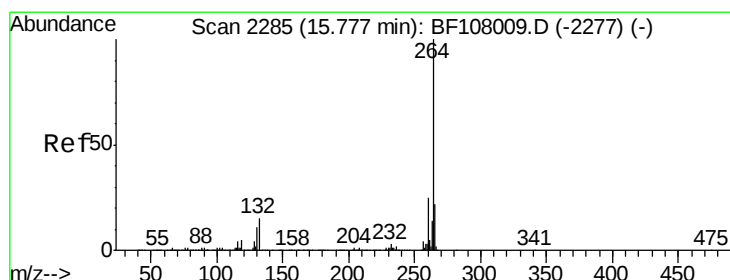
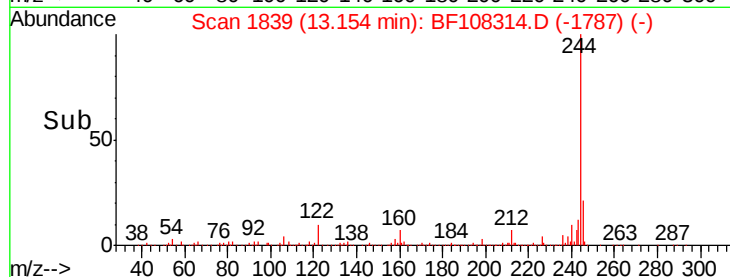
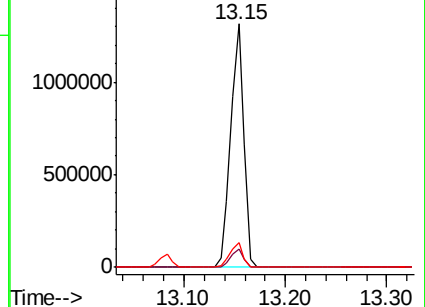
122 9.9 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF108314.D

Acq: 21 Aug 2018 2:11

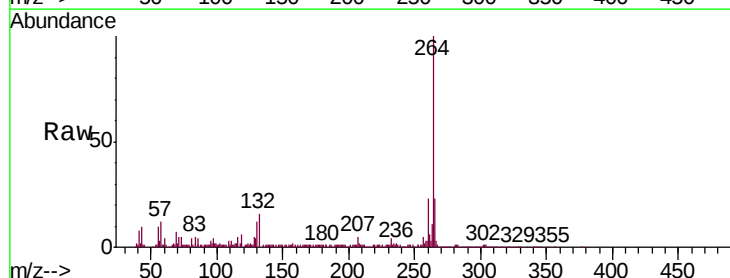
Tgt Ion:264 Resp: 211089

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.8 17.5 26.3



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

