

Data File : BF111482.D
Acq On : 15 Dec 2018 21:31
Operator : JU/SJ
Sample : J6403-65 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-OILY-WATER

Quant Time: Dec 16 00:49:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

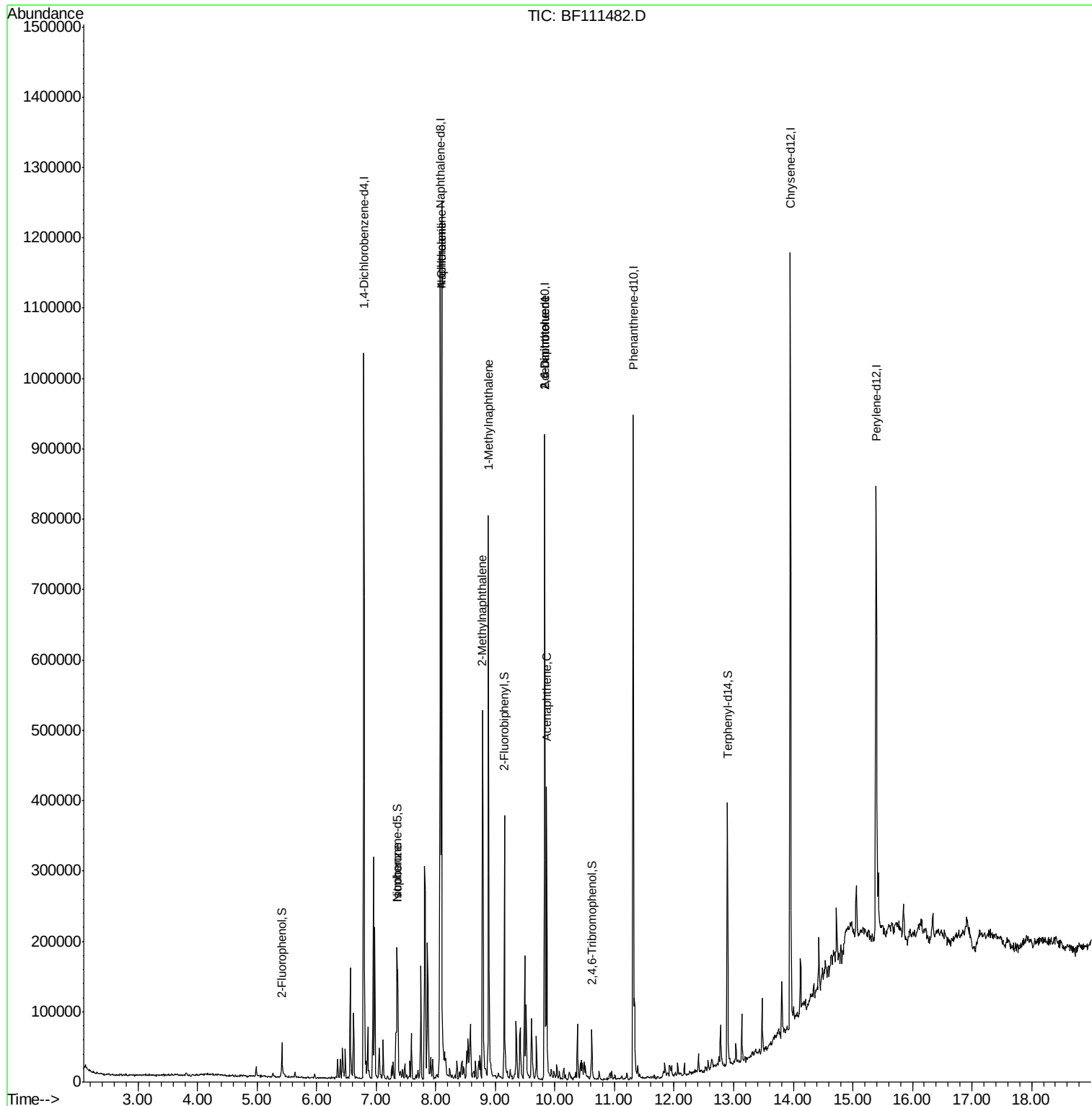
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	146986	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	531646	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	197791	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	370970	20.00	ng	0.00
76) Chrysene-d12	13.95	240	366544	20.00	ng	0.00
87) Perylene-d12	15.39	264	300385	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	19597	2.22	ng	0.00
7) Phenol-d6	6.43	99	15906	1.35	ng	0.00
23) Nitrobenzene-d5	7.35	82	63863	7.15	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	9468	5.34	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	124847	9.75	ng	0.00
79) Terphenyl-d14	12.90	244	133687	8.56	ng	0.00
Target Compounds						
25) Isophorone	7.35	82	63862	4.228	ng	Qvalue # 64
31) Naphthalene	8.10	128	510646	20.536	ng	95
33) 4-Chloroaniline	8.10	127	64804	5.861	ng	# 31
37) 2-Methylnaphthalene	8.79	142	168745	10.029	ng	97
38) 1-Methylnaphthalene	8.89	142	225614	13.879	ng	100
51) 2,6-Dinitrotoluene	9.83	165	26128	8.149	ng	# 30
52) Acenaphthene	9.86	154	82661	6.916	ng	95
57) 2,4-Dinitrotoluene	9.83	165	26250	6.238	ng	# 25

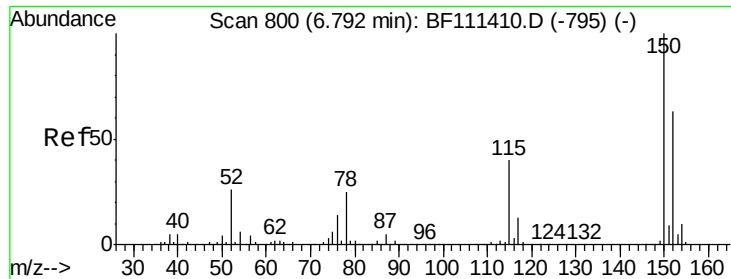
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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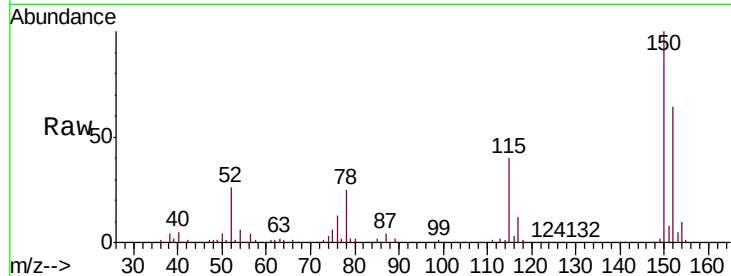




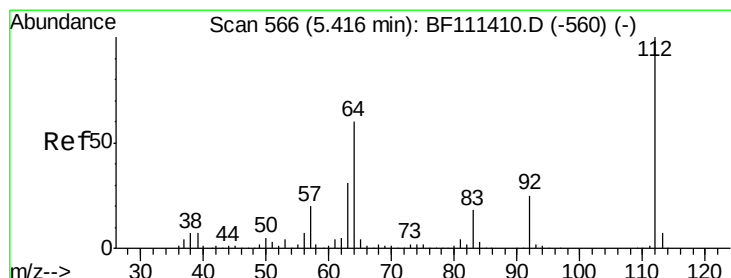
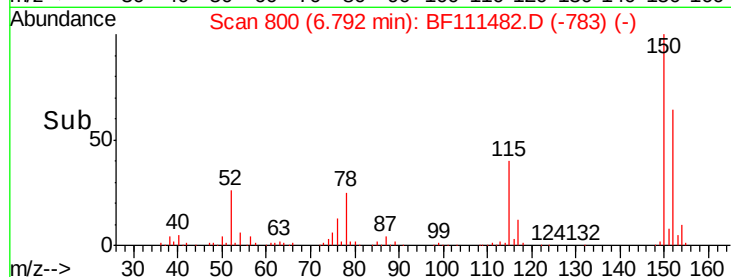
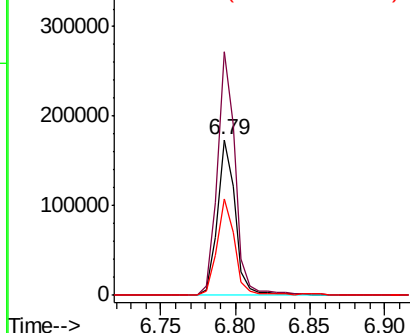
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF111482.D
 Acq: 15 Dec 2018 21:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-OILY-WATER

Tgt Ion:152 Resp: 146986
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.6 189.8
 115 62.1 50.7 76.1

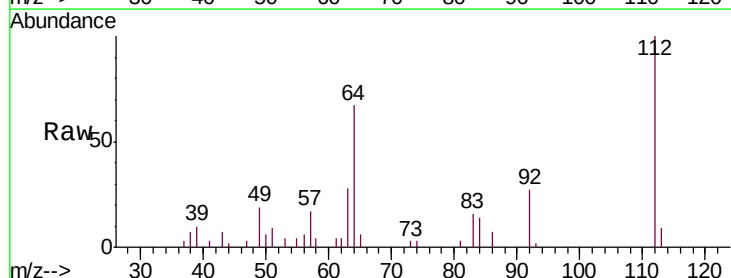


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

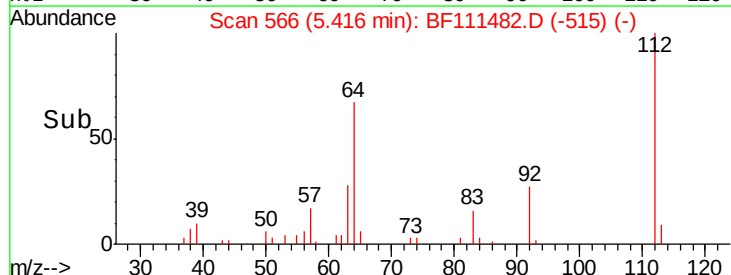
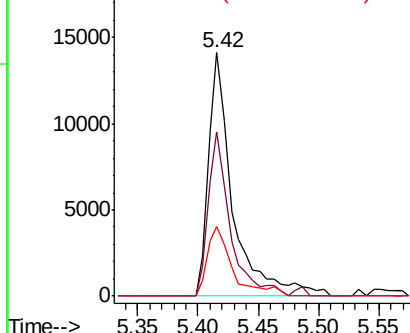


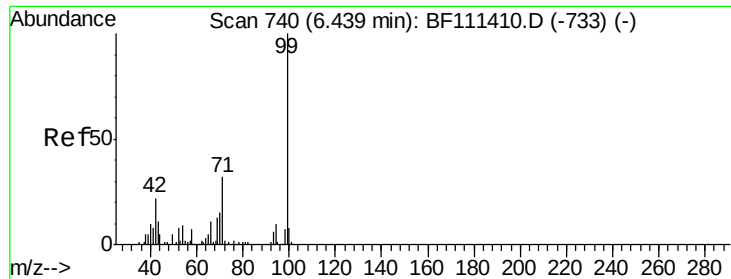
#5
 2-Fluorophenol
 Concen: 2.219 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF111482.D
 Acq: 15 Dec 2018 21:31

Tgt Ion:112 Resp: 19597
 Ion Ratio Lower Upper
 112 100
 64 67.3 51.8 77.6
 63 28.5 26.8 40.2



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: 1.354 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Instrument :

BNA_F

ClientSampleId :

TP-3-OILY-WATER

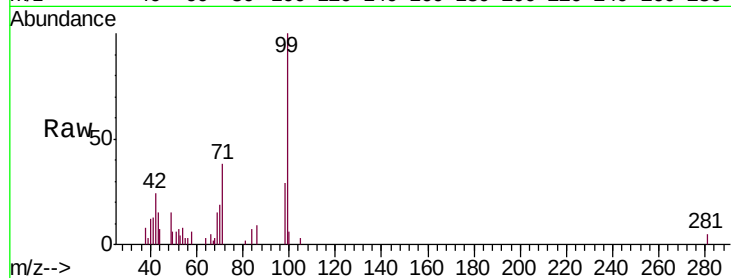
Tgt Ion: 99 Resp: 15906

Ion Ratio Lower Upper

99 100

42 24.4 17.4 26.0

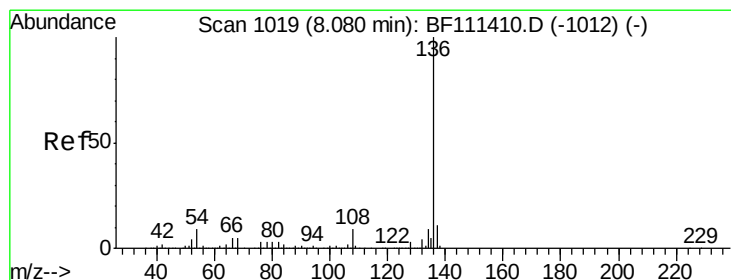
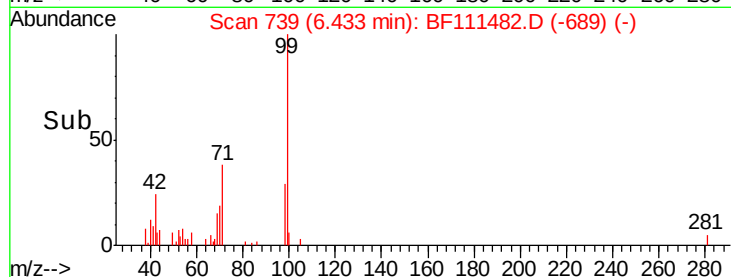
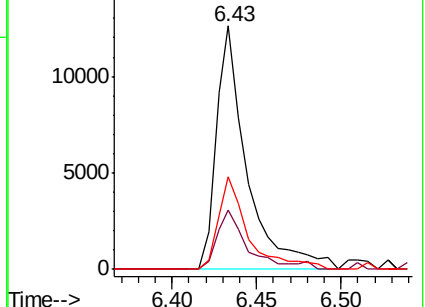
71 38.0 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Tgt Ion: 136 Resp: 531646

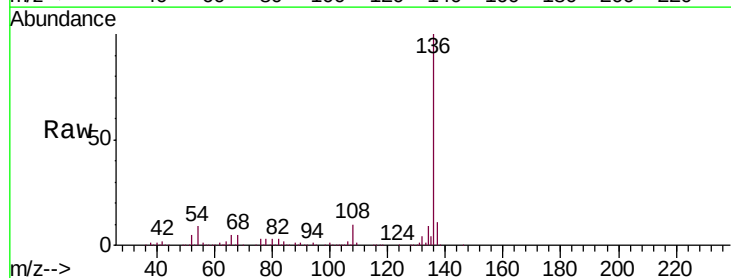
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.4 7.7 11.5

68 5.4 4.9 7.3

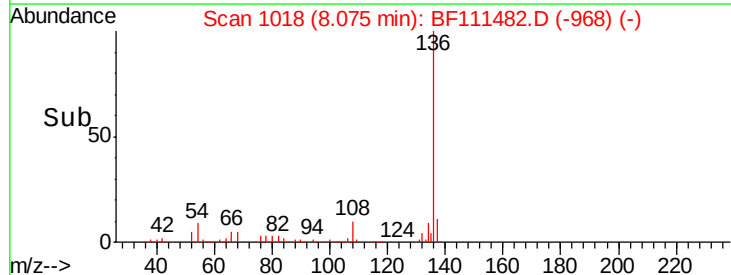
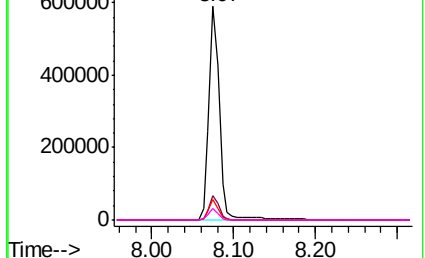


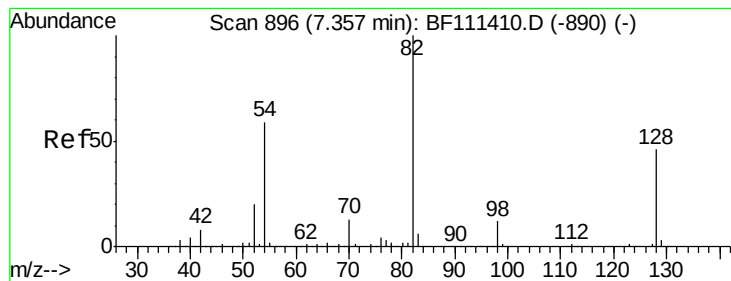
Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.153 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Instrument :

BNA_F

ClientSampleId :

TP-3-OILY-WATER

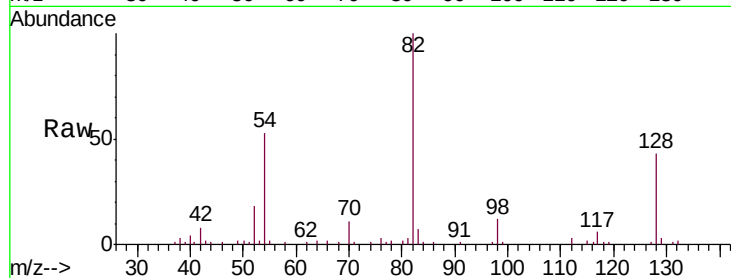
Tgt Ion: 82 Resp: 63863

Ion Ratio Lower Upper

82 100

128 43.2 37.4 56.2

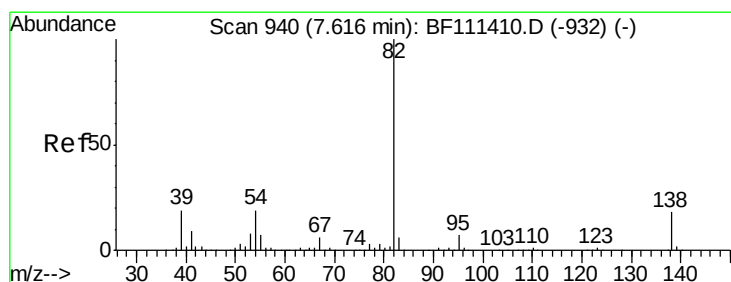
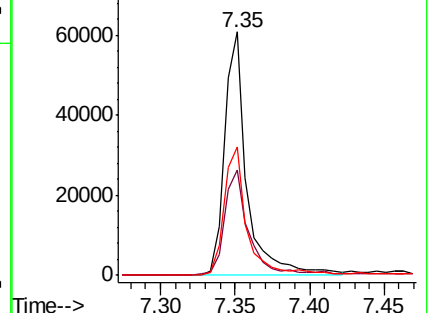
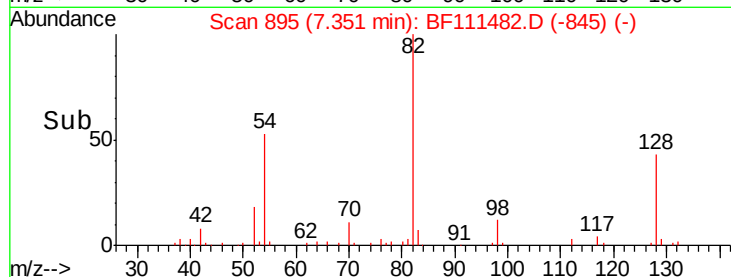
54 52.8 47.6 71.4



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: 4.228 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

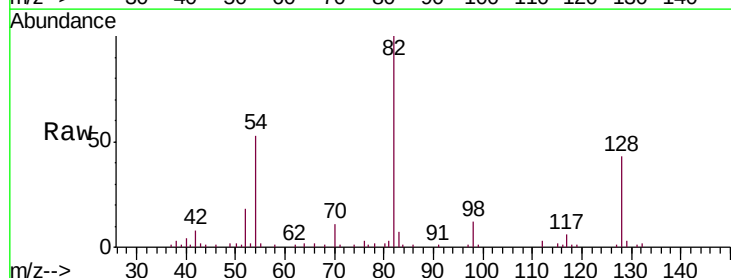
Tgt Ion: 82 Resp: 63862

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

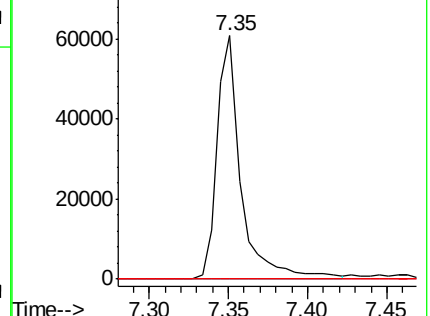
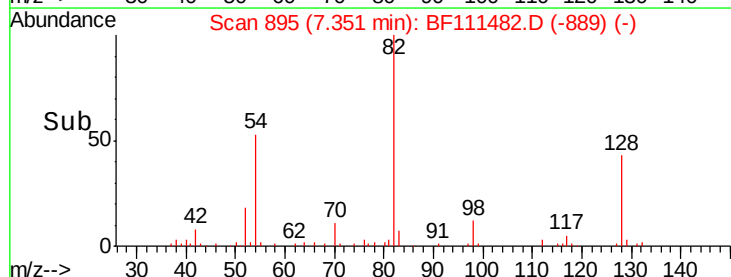
138 0.0 15.1 22.7#

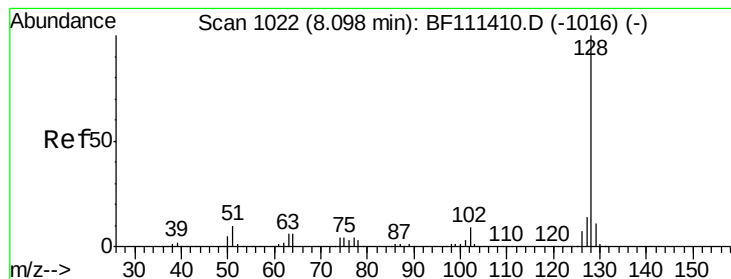


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 20.536 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Instrument :

BNA_F

ClientSampleId :

TP-3-OILY-WATER

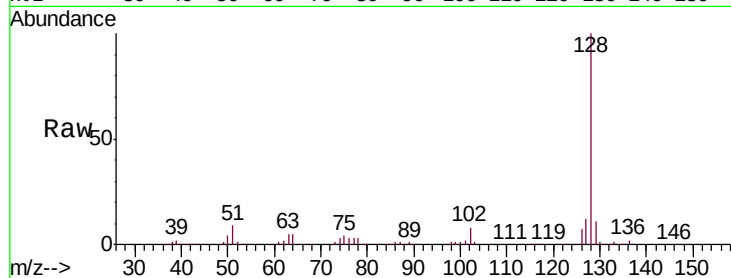
Tgt Ion:128 Resp: 510646

Ion Ratio Lower Upper

128 100

129 10.8 9.8 14.8

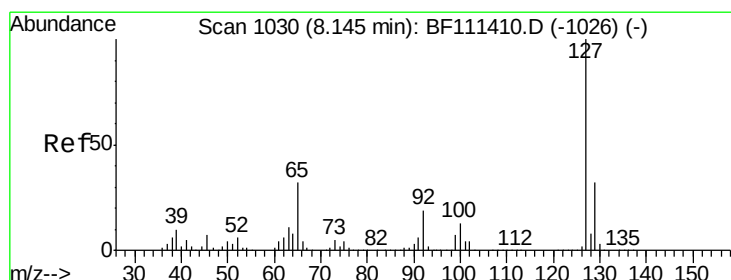
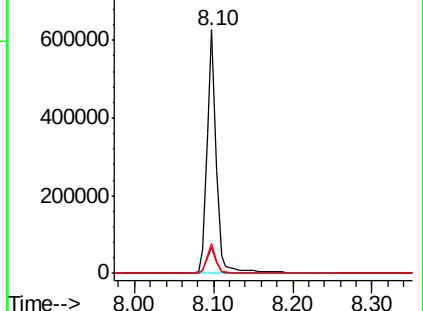
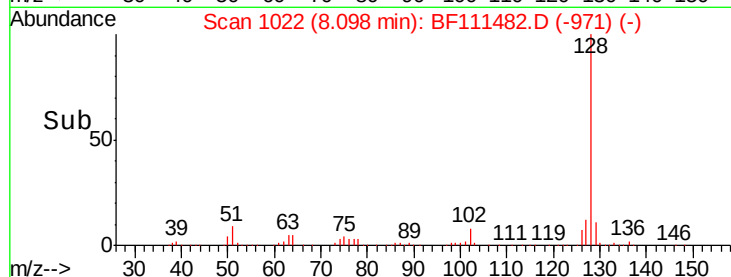
127 12.3 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 5.861 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.05 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Tgt Ion:127 Resp: 64804

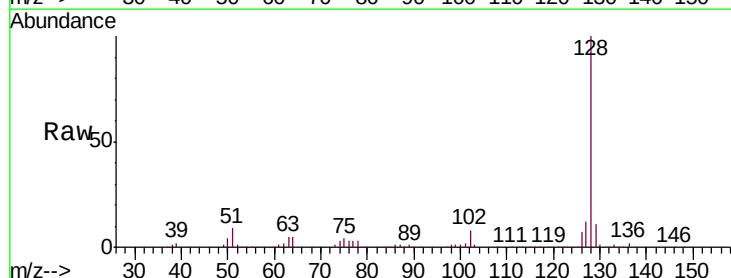
Ion Ratio Lower Upper

127 100

129 87.6 26.6 39.8#

65 0.0 25.7 38.5#

92 0.0 15.4 23.2#

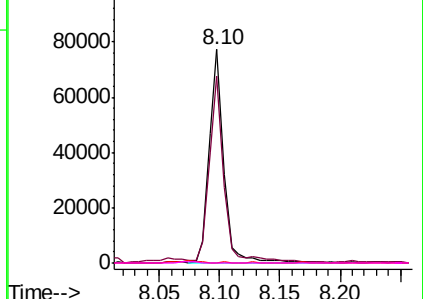
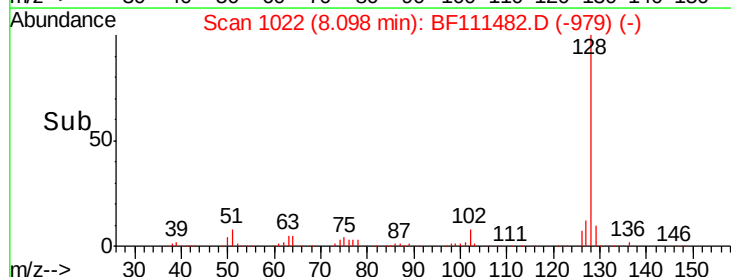


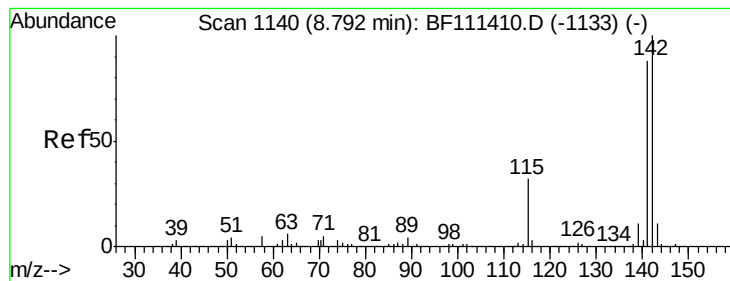
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 10.029 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Instrument :

BNA_F

ClientSampleId :

TP-3-OILY-WATER

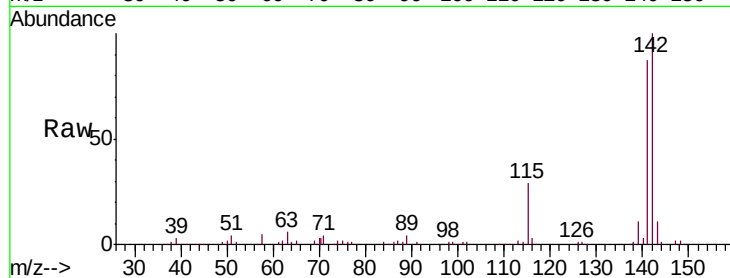
Tgt Ion:142 Resp: 168745

Ion Ratio Lower Upper

142 100

141 87.3 70.6 105.8

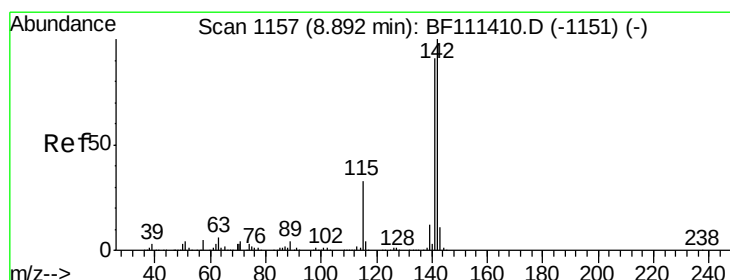
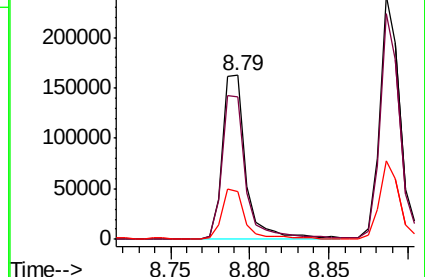
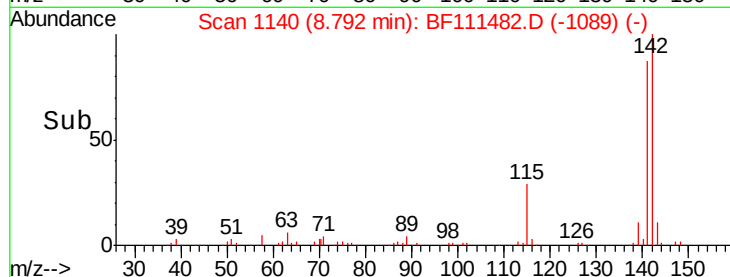
115 29.5 27.0 40.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 13.879 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

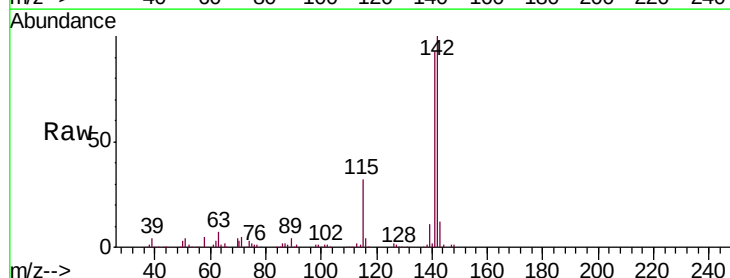
Tgt Ion:142 Resp: 225614

Ion Ratio Lower Upper

142 100

141 92.5 74.2 111.4

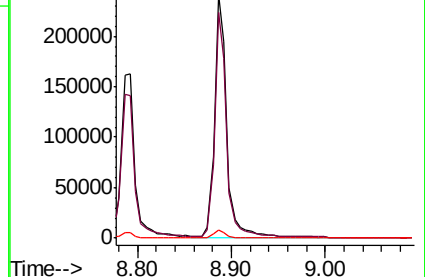
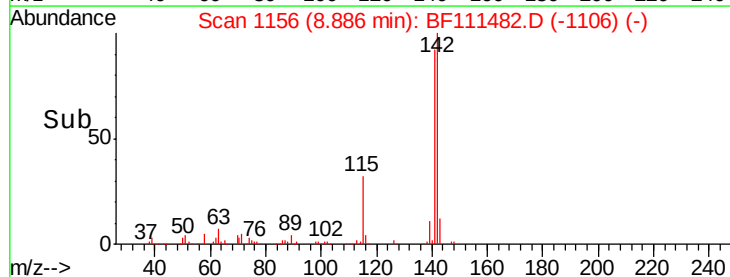
116 3.5 2.9 4.3

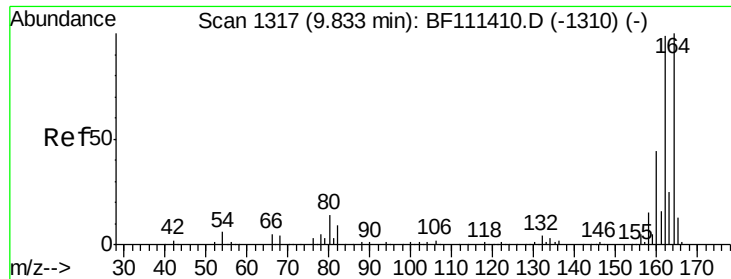


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

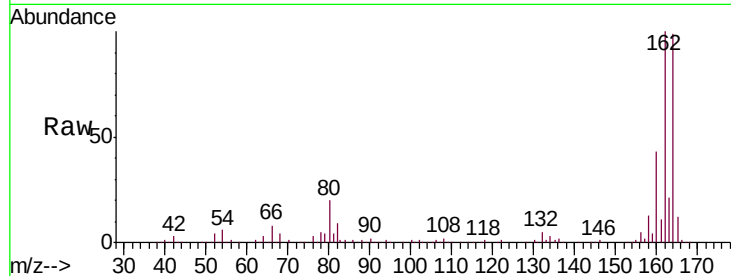




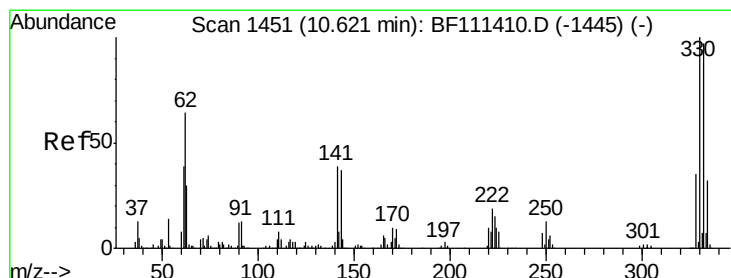
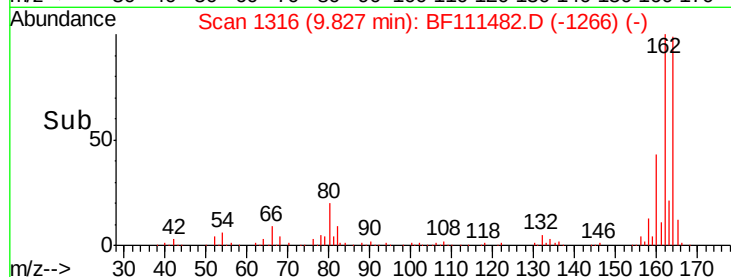
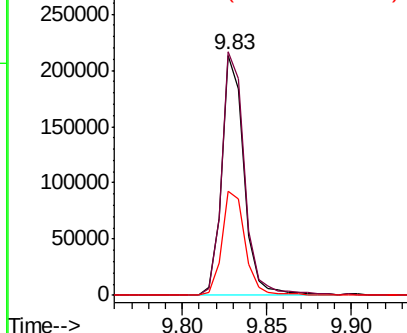
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111482.D
Acq: 15 Dec 2018 21:31

Instrument :
BNA_F
ClientSampleId :
TP-3-OILY-WATER

Tgt Ion:164 Resp: 197791
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 43.1 35.7 53.5

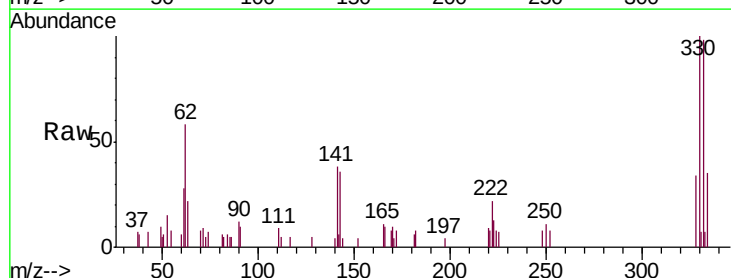


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

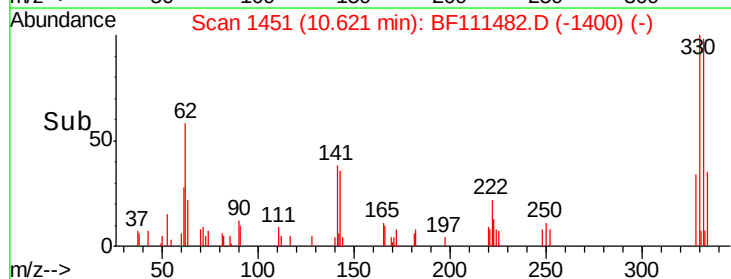
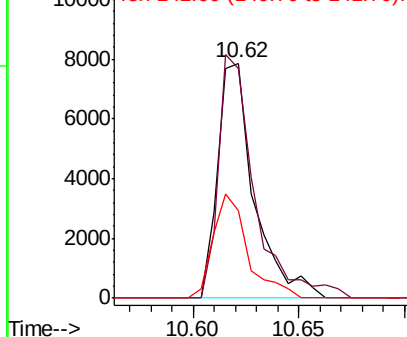


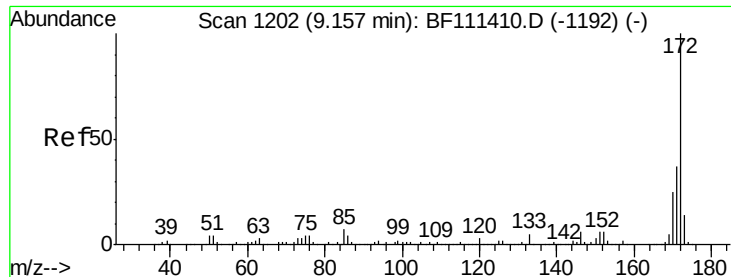
#42
2,4,6-Tribromophenol
Concen: 5.344 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BF111482.D
Acq: 15 Dec 2018 21:31

Tgt Ion:330 Resp: 9468
Ion Ratio Lower Upper
330 100
332 102.8 76.0 114.0
141 42.3 31.0 46.6



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

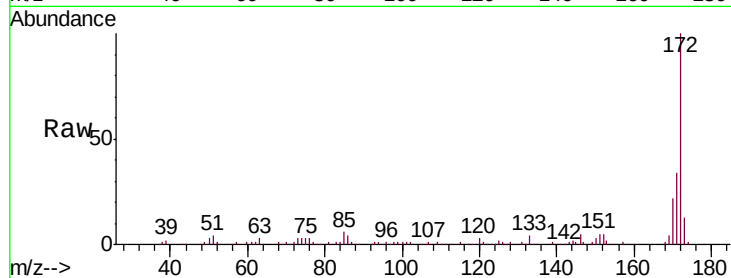




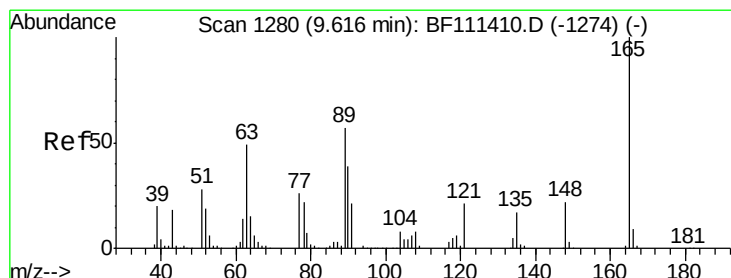
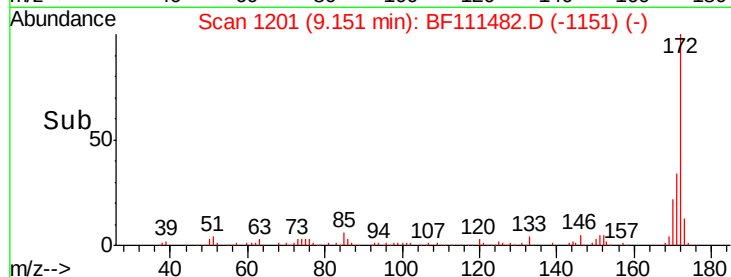
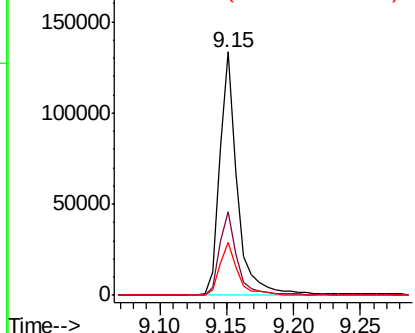
#45
 2-Fluorobiphenyl
 Concen: 9.750 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111482.D
 Acq: 15 Dec 2018 21:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-OILY-WATER

Tgt Ion:172 Resp: 124847
 Ion Ratio Lower Upper
 172 100
 171 34.1 33.0 49.4
 170 21.6 22.3 33.5#

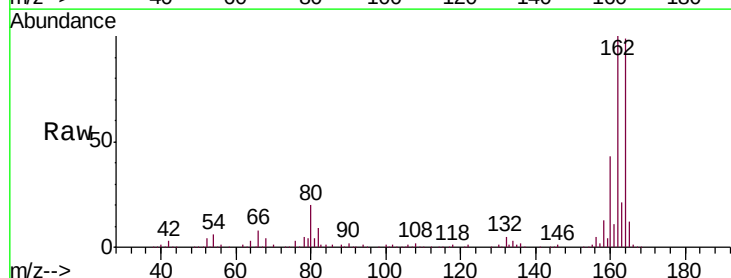


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

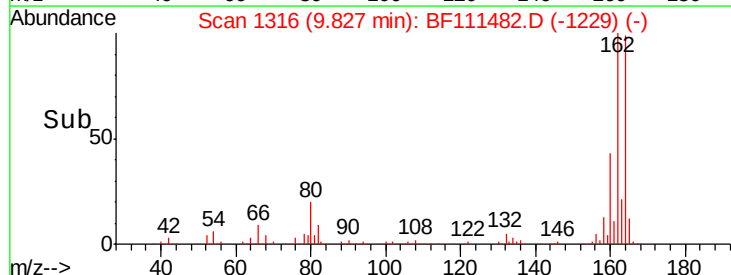
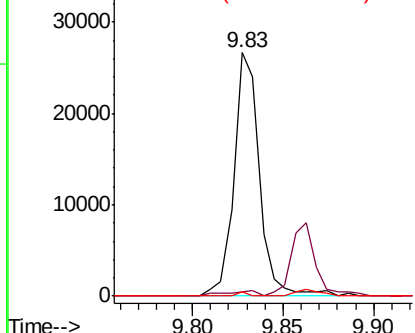


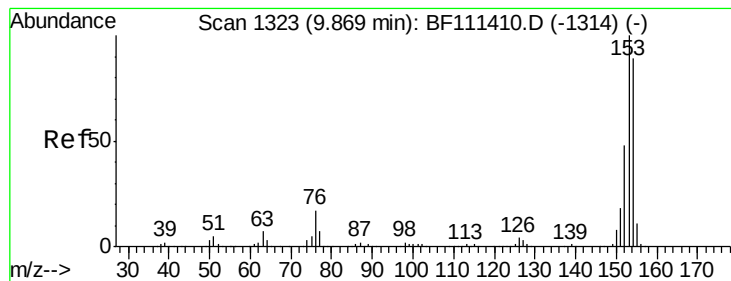
#51
 2,6-Dinitrotoluene
 Concen: 8.149 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF111482.D
 Acq: 15 Dec 2018 21:31

Tgt Ion:165 Resp: 26128
 Ion Ratio Lower Upper
 165 100
 63 1.8 40.5 60.7#
 89 1.9 40.0 60.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 6.916 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Instrument :

BNA_F

ClientSampleId :

TP-3-OILY-WATER

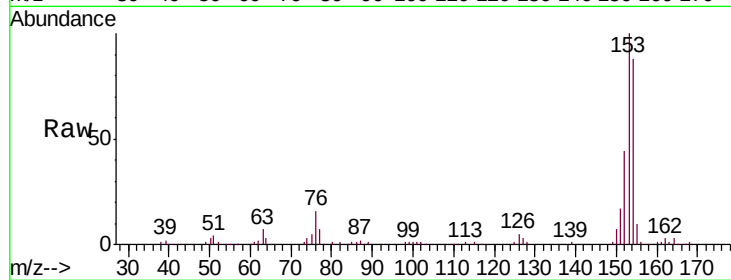
Tgt Ion:154 Resp: 82661

Ion Ratio Lower Upper

154 100

153 114.2 87.8 131.8

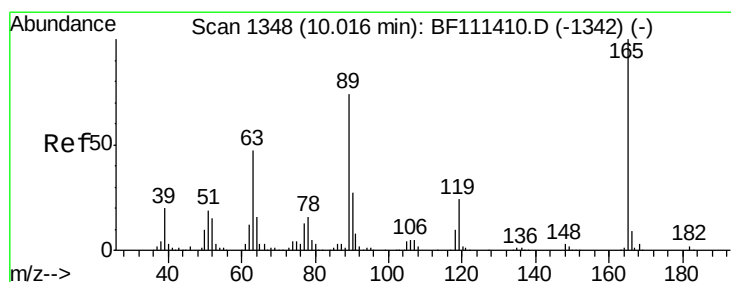
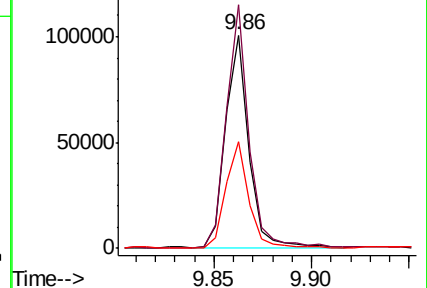
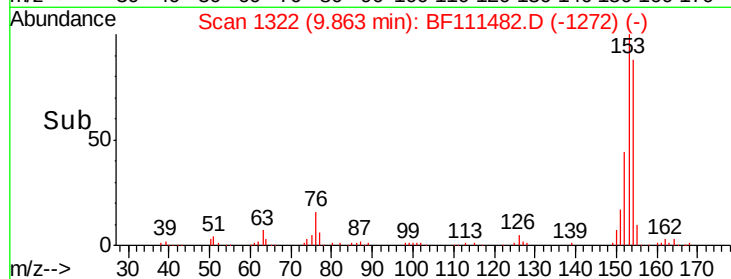
152 50.2 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 6.238 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Tgt Ion:165 Resp: 26250

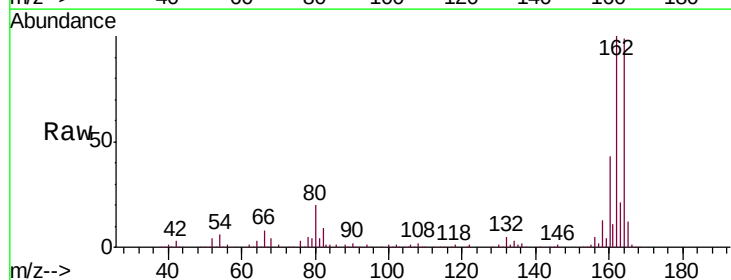
Ion Ratio Lower Upper

165 100

63 1.8 34.6 52.0#

89 1.9 56.2 84.4#

182 0.0 1.8 2.6#

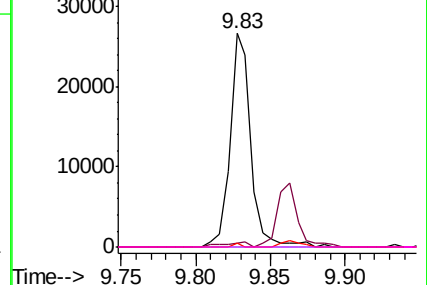
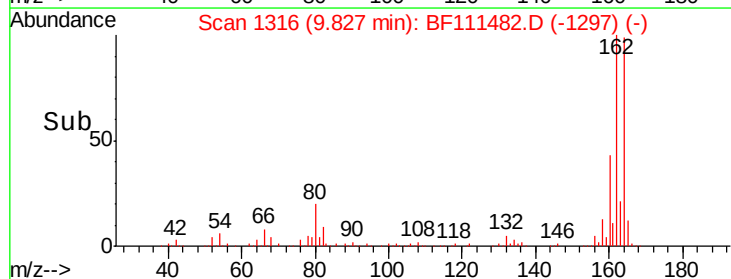


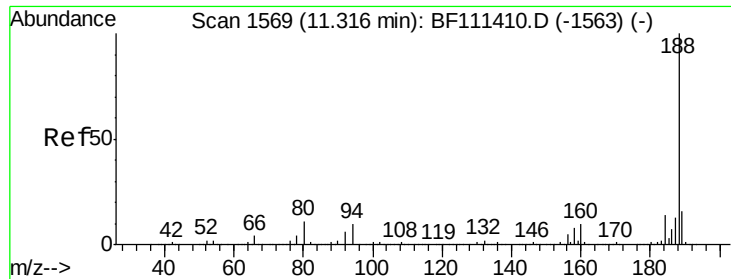
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Instrument :

BNA_F

ClientSampleId :

TP-3-OILY-WATER

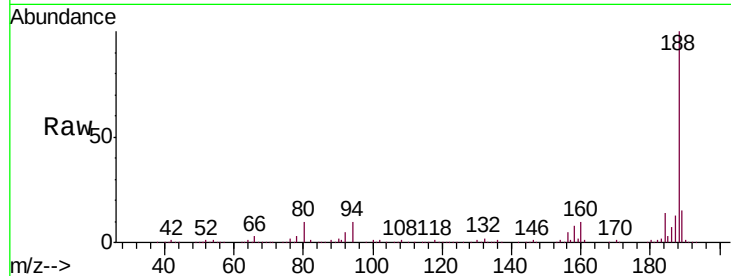
Tgt Ion:188 Resp: 370970

Ion Ratio Lower Upper

188 100

94 9.6 9.6 14.4

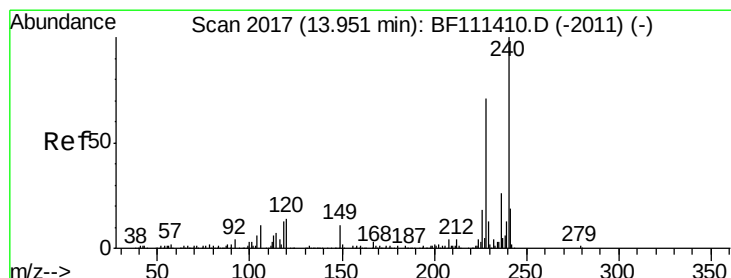
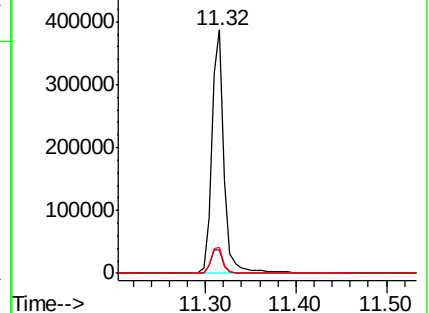
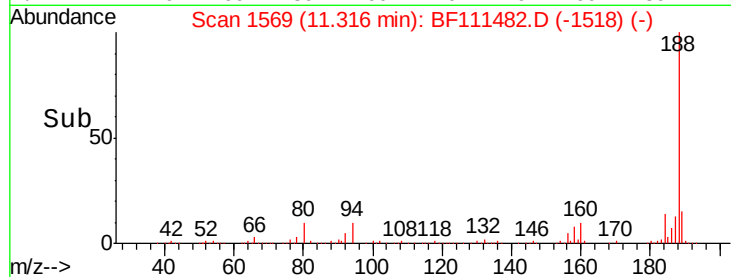
80 10.4 9.8 14.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

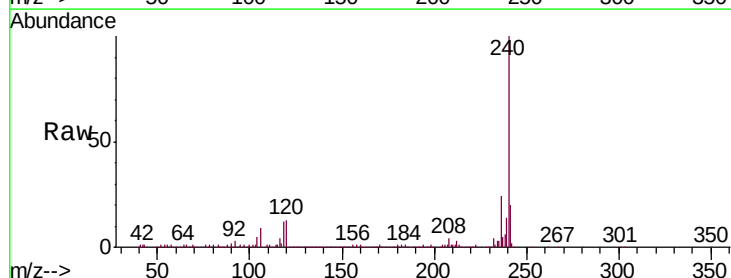
Tgt Ion:240 Resp: 366544

Ion Ratio Lower Upper

240 100

120 13.4 12.2 18.2

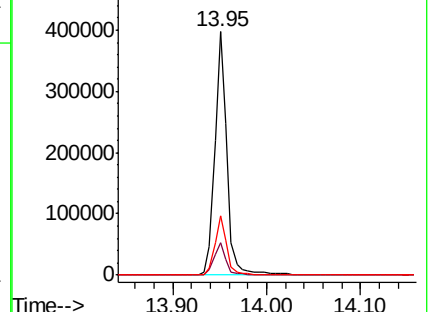
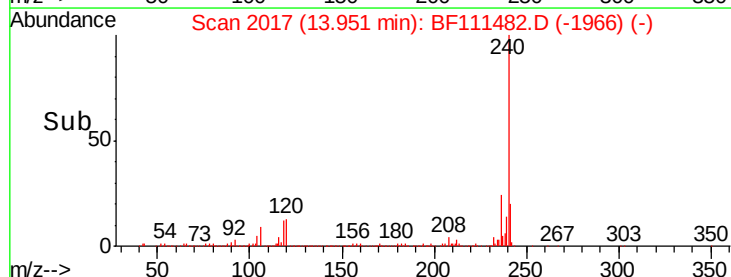
236 24.2 20.2 30.2

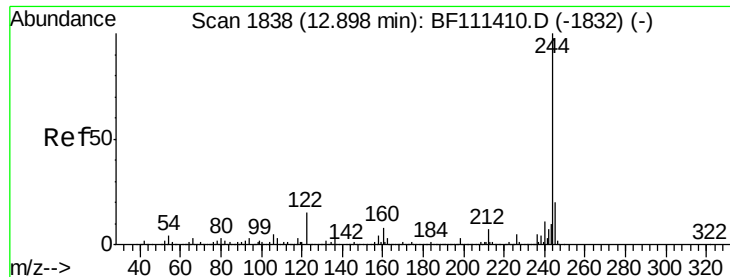


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 8.565 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

Instrument :

BNA_F

ClientSampleId :

TP-3-OILY-WATER

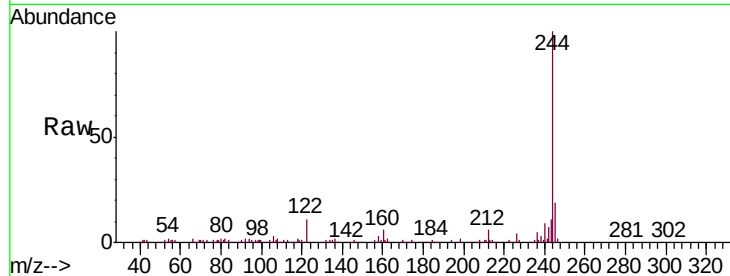
Tgt Ion:244 Resp: 133687

Ion Ratio Lower Upper

244 100

212 5.9 5.7 8.5

122 11.2 13.1 19.7#

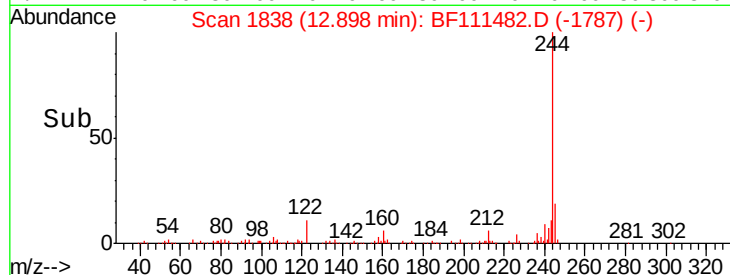


Abundance Ion 244.00 (243.70 to 244.70): E

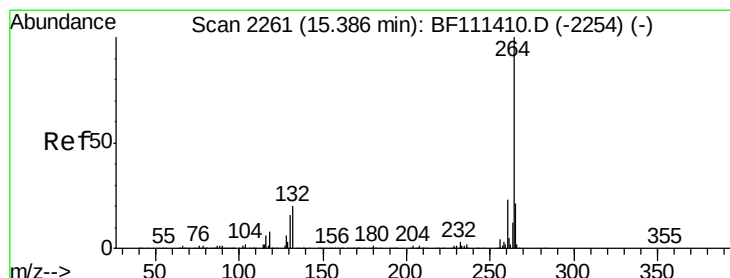
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.90



Time--> 12.80 12.90 13.00



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111482.D

Acq: 15 Dec 2018 21:31

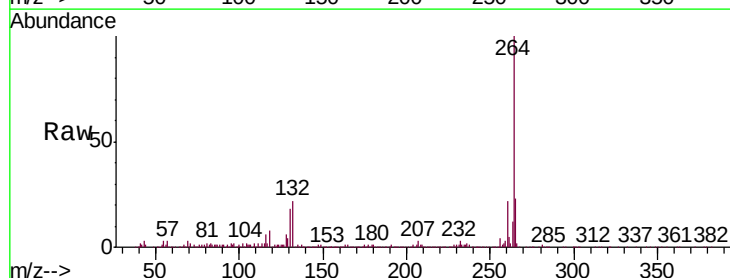
Tgt Ion:264 Resp: 300385

Ion Ratio Lower Upper

264 100

260 21.6 18.3 27.5

265 22.8 17.7 26.5

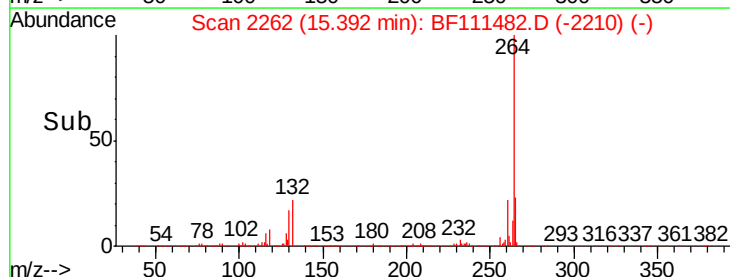


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.39



Time--> 15.30 15.40 15.50