

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070219\
 Data File : BF115364.D
 Acq On : 2 Jul 2019 17:20
 Operator : HP/JU
 Sample : K3632-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OIL-WATER-SEPERATOR-4-(OWS)-

Quant Time: Jul 03 05:53:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

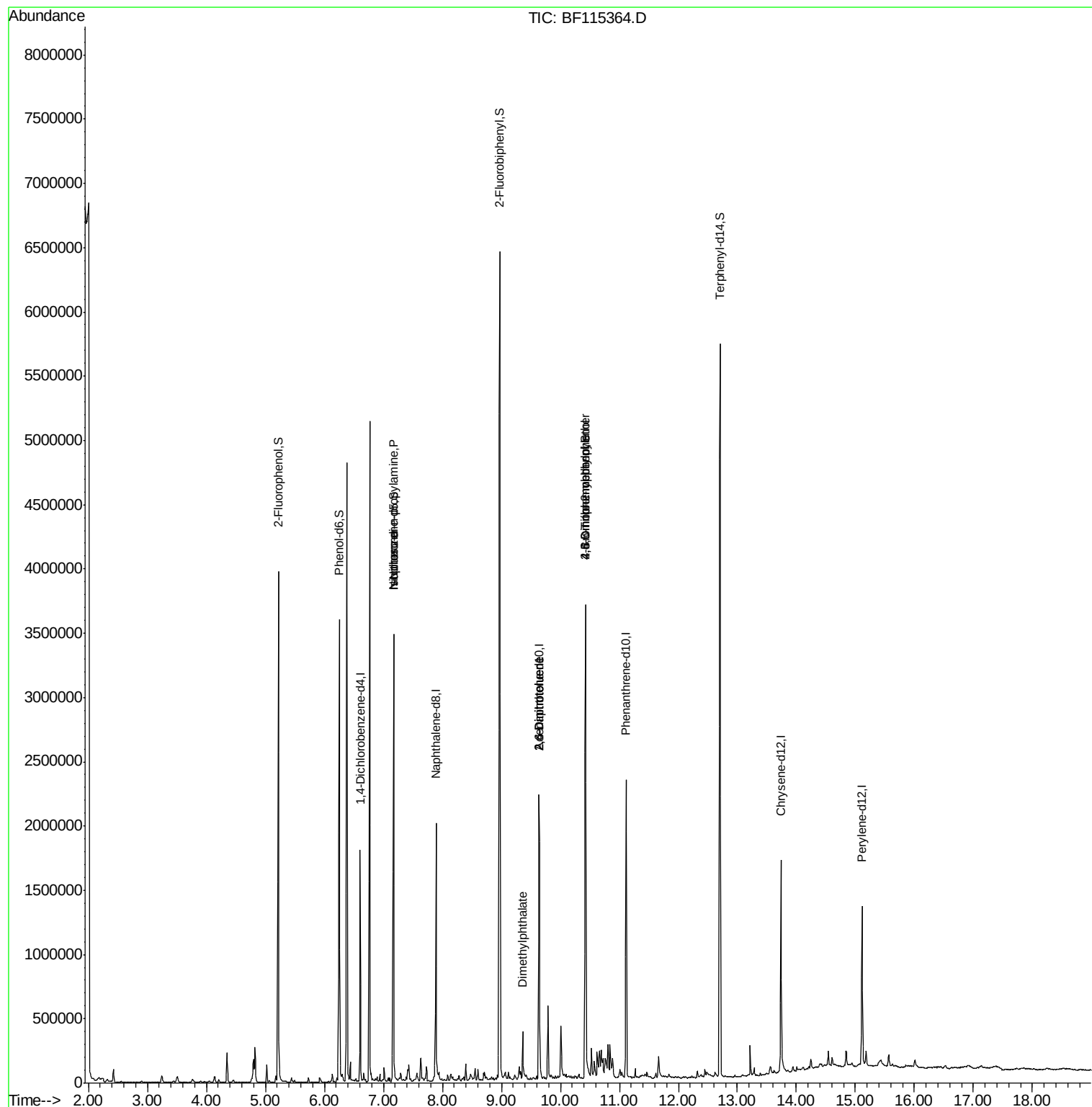
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	252251	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	949876	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	457616	20.00	ng	0.01
64) Phenanthrene-d10	11.11	188	833313	20.00	ng	0.02
76) Chrysene-d12	13.74	240	524374	20.00	ng	0.02
87) Perylene-d12	15.12	264	557598	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1343388	82.18	ng	0.03
7) Phenol-d6	6.25	99	1476047	74.40	ng	0.02
23) Nitrobenzene-d5	7.17	82	1261931	81.72	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	528045	109.42	ng	0.02
45) 2-Fluorobiphenyl	8.97	172	2300008	85.37	ng	0.01
79) Terphenyl-d14	12.71	244	2155930	87.42	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	167509	13.187	ng	# 77
25) Isophorone	7.17	82	1240537	39.218	ng	# 63
50) Dimethylphthalate	9.36	163	156082	4.636	ng	100
51) 2,6-Dinitrotoluene	9.64	165	59486	7.653	ng	# 29
57) 2,4-Dinitrotoluene	9.64	165	59486	5.927	ng	# 31
58) Fluorene	10.18	166	2799	Below Cal		# 91
65) 4,6-Dinitro-2-methylphenol	10.42	198	918	5.146	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	33906	3.753	ng	# 1

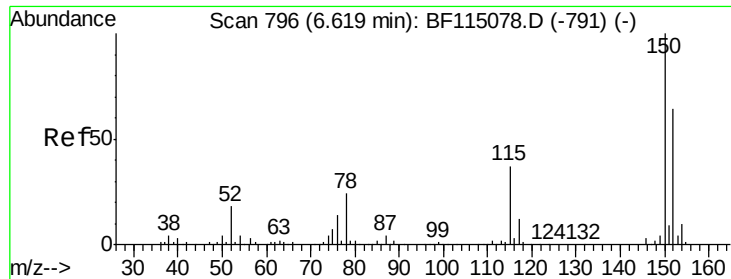
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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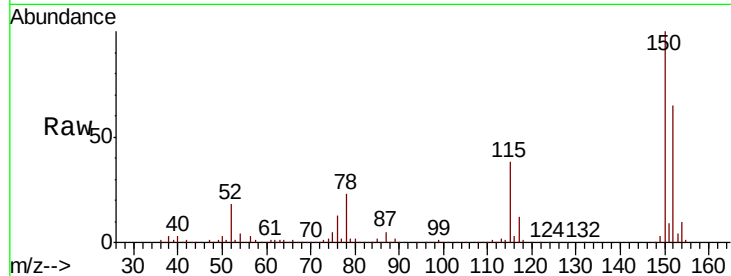


#1

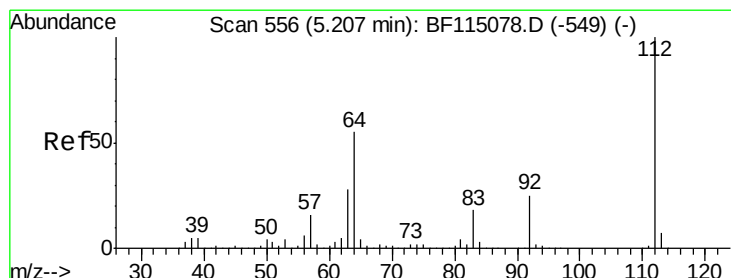
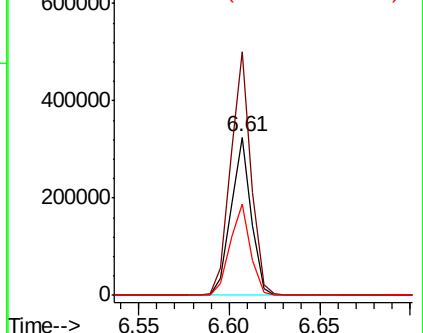
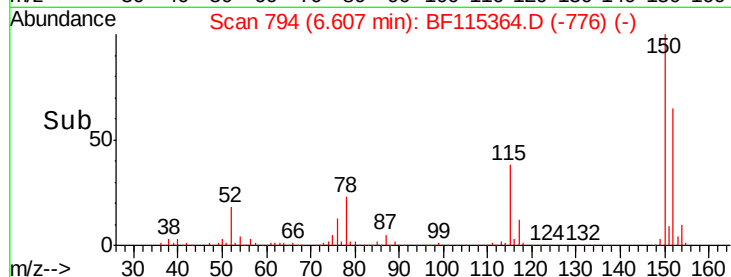
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115364.D
Acq: 2 Jul 2019 17:20

Instrument :
BNA_F
ClientSampleId :
OIL-WATER-SEPARATOR-4-(OWS)-

Tgt Ion:152 Resp: 252251
Ion Ratio Lower Upper
152 100
150 153.8 124.2 186.2
115 58.0 46.1 69.1



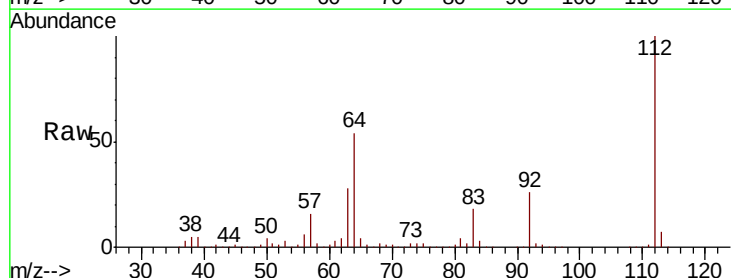
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



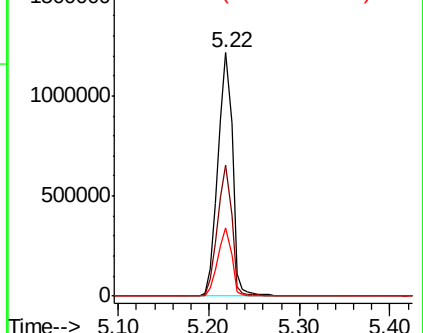
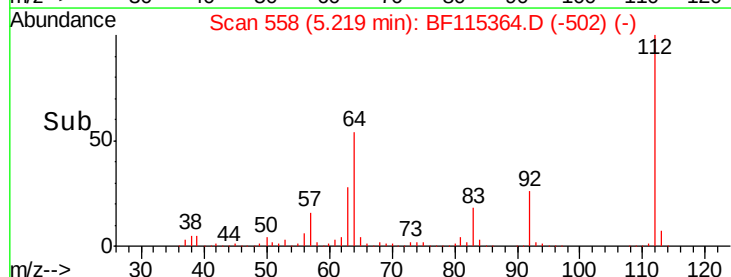
#5

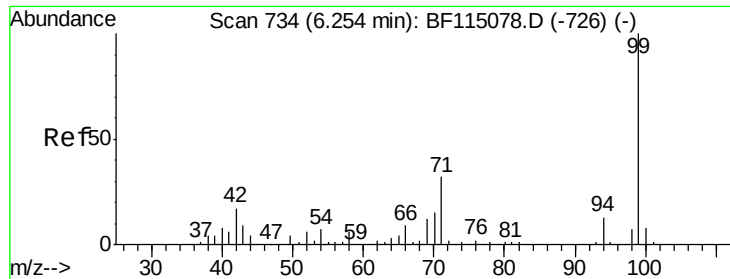
2-Fluorophenol
Concen: 82.183 ng
RT: 5.22 min Scan# 558
Delta R.T. 0.03 min
Lab File: BF115364.D
Acq: 2 Jul 2019 17:20

Tgt Ion:112 Resp: 1343388
Ion Ratio Lower Upper
112 100
64 53.8 43.8 65.6
63 28.1 22.2 33.4



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: 74.396 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

Instrument :

BNA_F

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OIL-WATER-SEPARATOR-4-(OWS)-

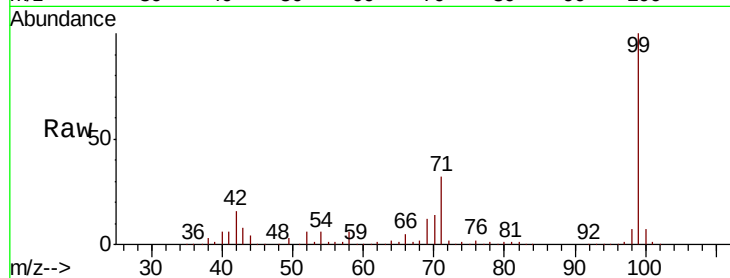
Tgt Ion: 99 Resp: 1476047

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

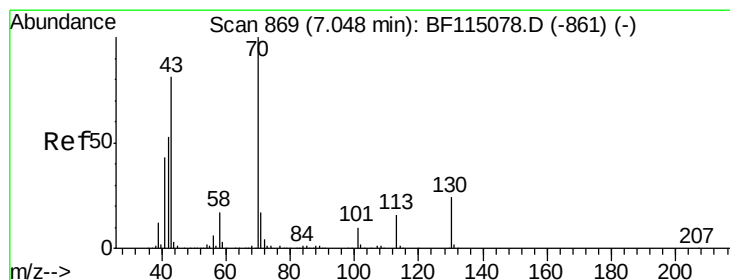
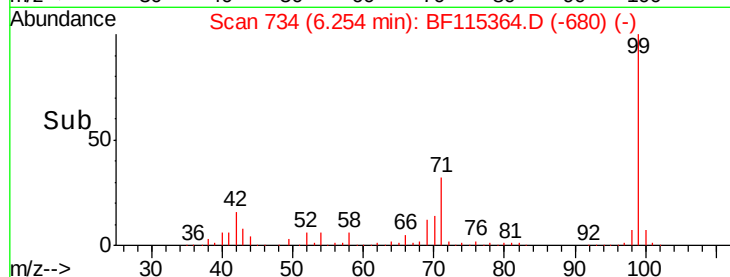
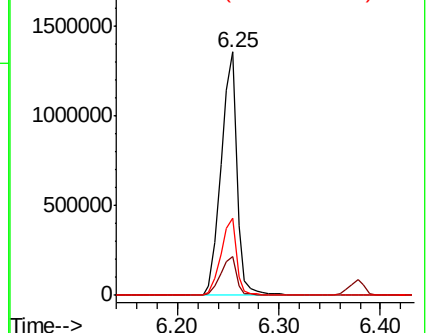
71 31.9 25.5 38.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.187 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

Tgt Ion: 70 Resp: 167509

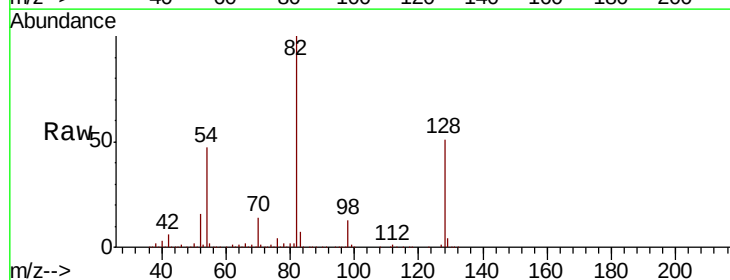
Ion Ratio Lower Upper

70 100

42 44.2 42.6 63.8

101 0.0 8.0 12.0#

130 2.8 19.4 29.0#

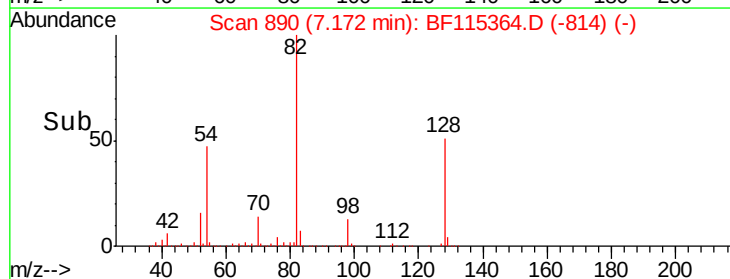
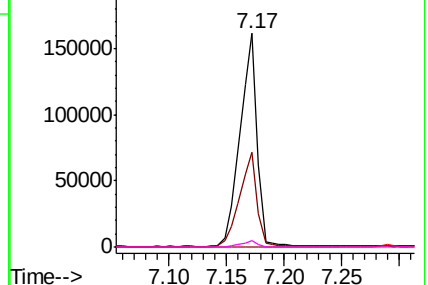


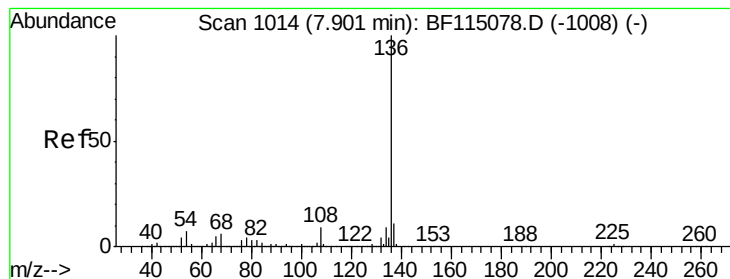
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): B

Ion 130.00 (129.70 to 130.70): B





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

Instrument :

BNA_F

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OIL-WATER-SEPARATOR-4-(OWS)-

Tgt Ion: 136 Resp: 949876

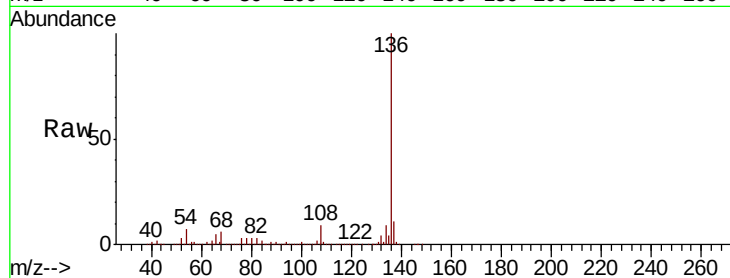
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.7 5.6 8.4

68 5.9 4.8 7.2

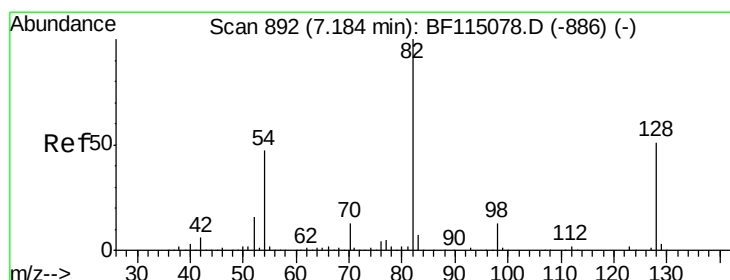
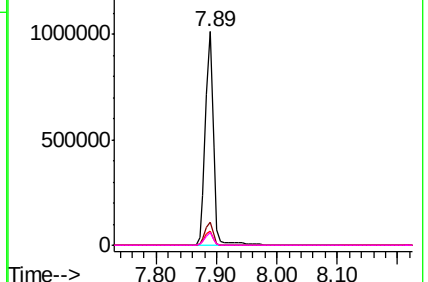
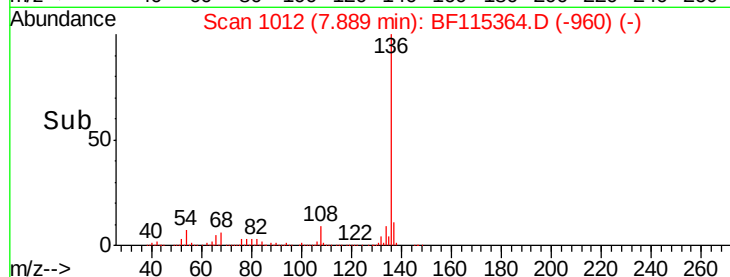


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.725 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.01 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

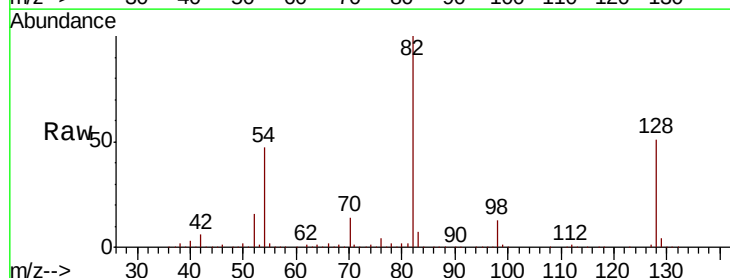
Tgt Ion: 82 Resp: 1261931

Ion Ratio Lower Upper

82 100

128 50.7 40.4 60.6

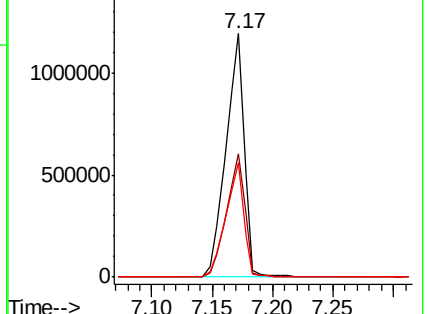
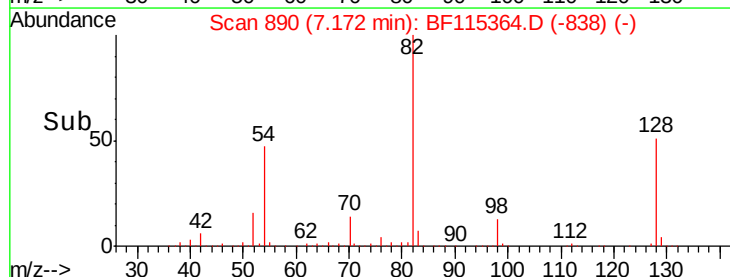
54 46.8 37.5 56.3

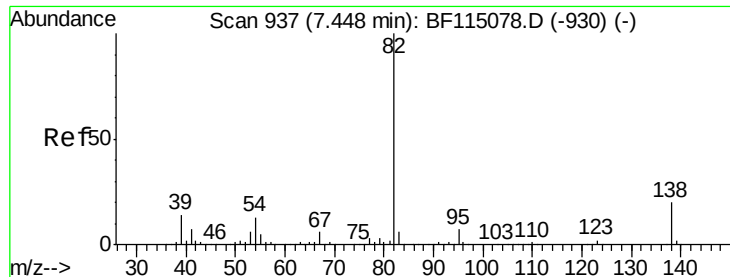


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.218 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.25 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

Instrument :

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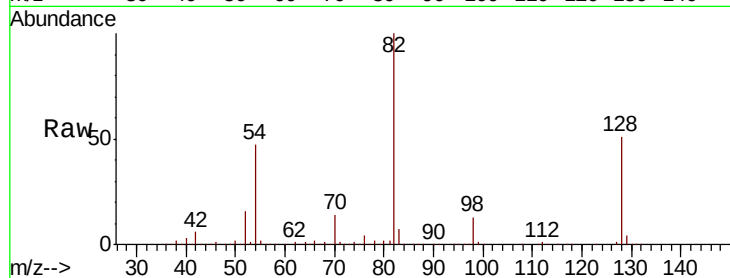
Tgt Ion: 82 Resp: 1240537

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

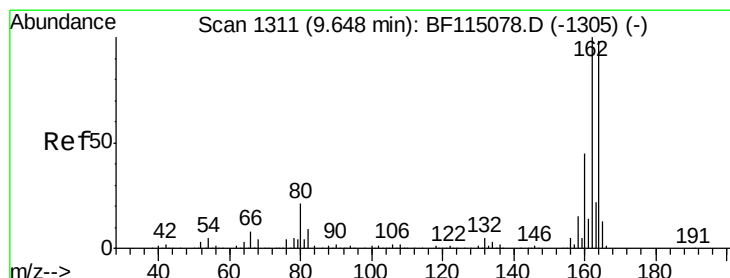
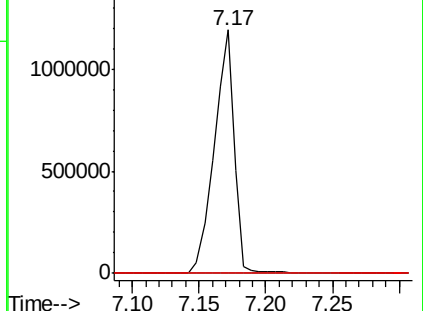
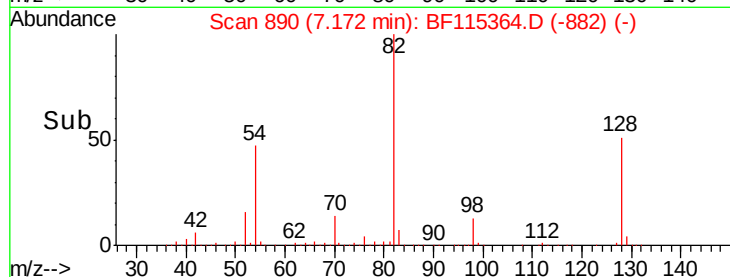
138 0.0 15.9 23.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

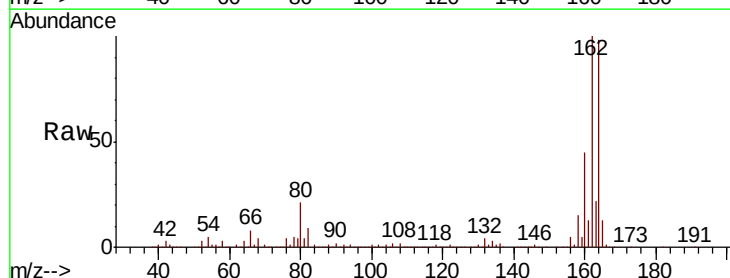
Tgt Ion: 164 Resp: 457616

Ion Ratio Lower Upper

164 100

162 101.8 81.7 122.5

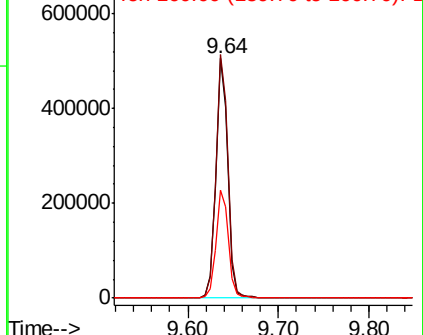
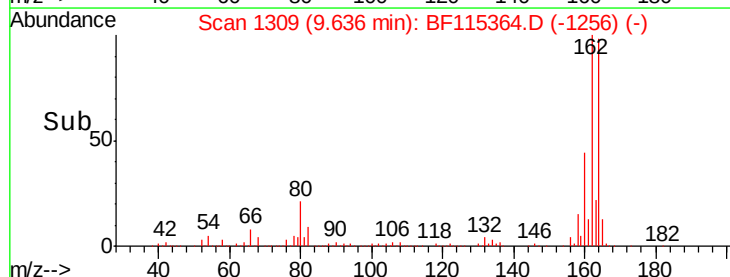
160 45.3 37.0 55.4

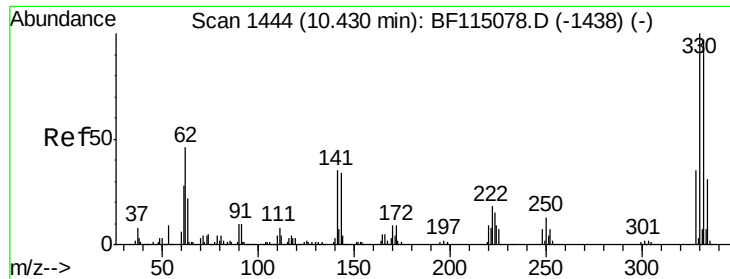


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

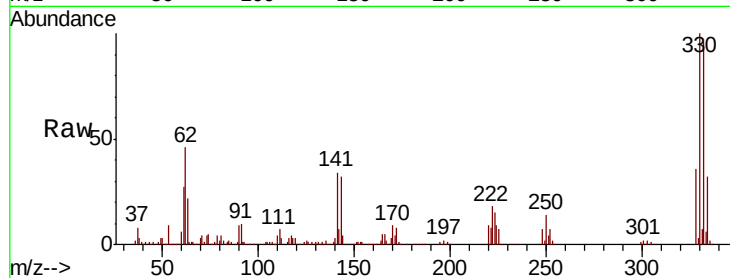




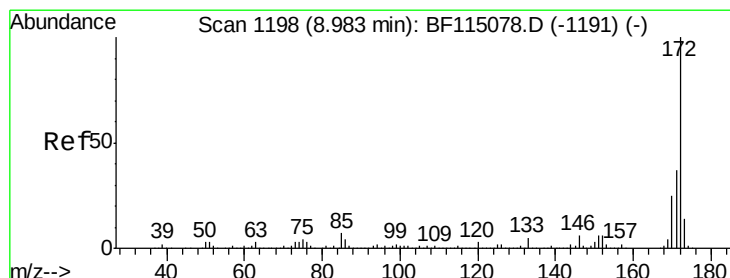
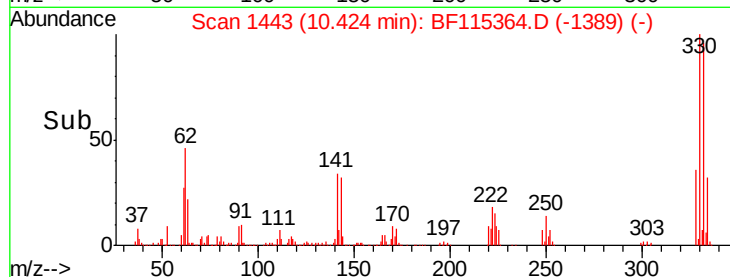
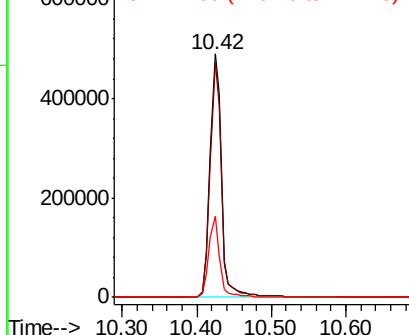
#42
 2,4,6-Tribromophenol
 Concen: 109.423 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. 0.02 min
 Lab File: BF115364.D
 Acq: 2 Jul 2019 17:20

Instrument :
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Tgt Ion:330 Resp: 528045
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.3 115.9
 141 32.4 28.2 42.2

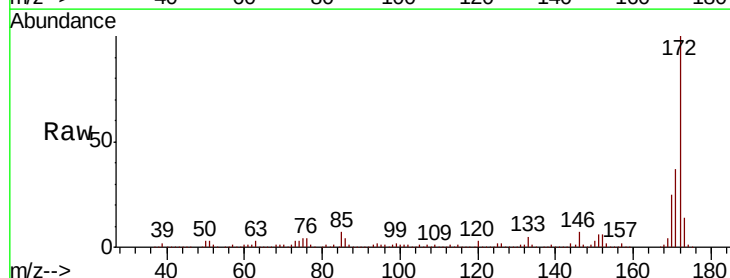


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

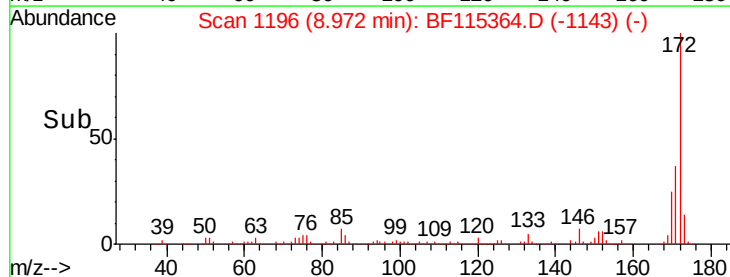
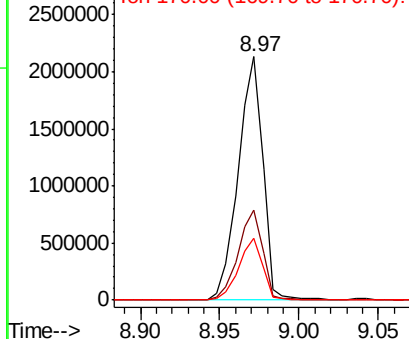


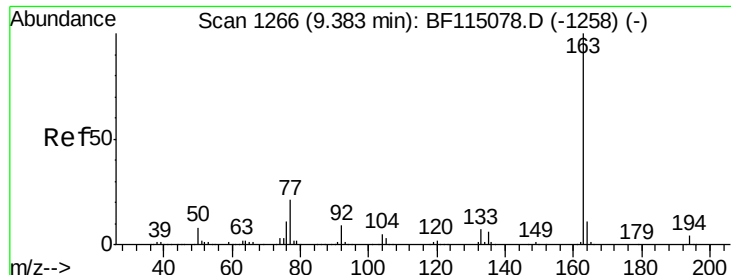
#45
 2-Fluorobiphenyl
 Concen: 85.374 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BF115364.D
 Acq: 2 Jul 2019 17:20

Tgt Ion:172 Resp: 2300008
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 25.4 20.3 30.5



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





#50

Dimethylphthalate

Concen: 4.636 ng

RT: 9.36 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR-4-(OWS)-

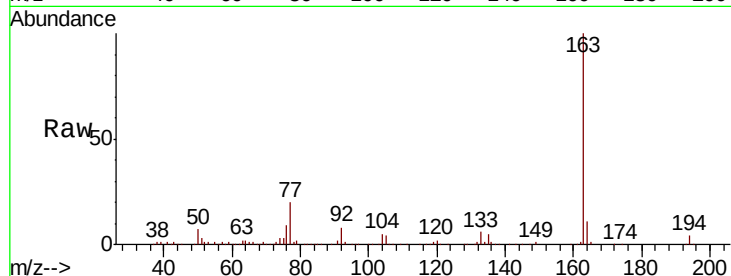
Tgt Ion:163 Resp: 156082

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

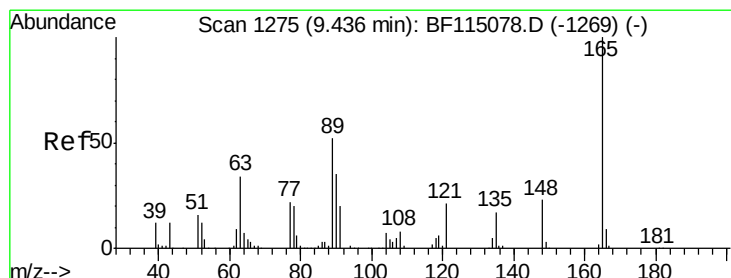
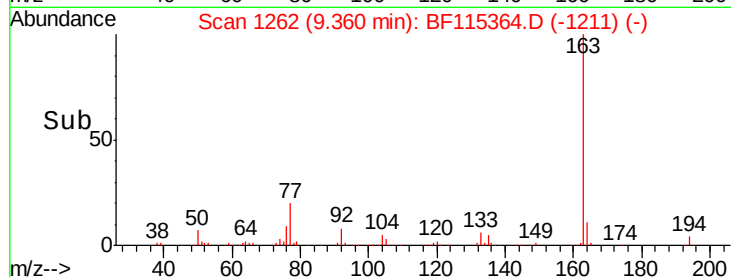
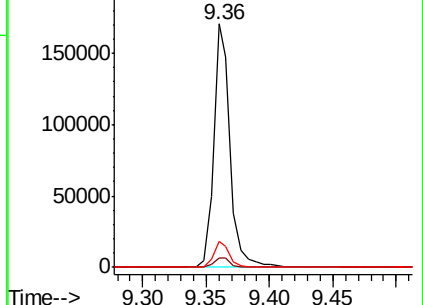
164 10.8 8.6 13.0



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



#51

2,6-Dinitrotoluene

Concen: 7.653 ng

RT: 9.64 min Scan# 1309

Delta R.T. 0.22 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

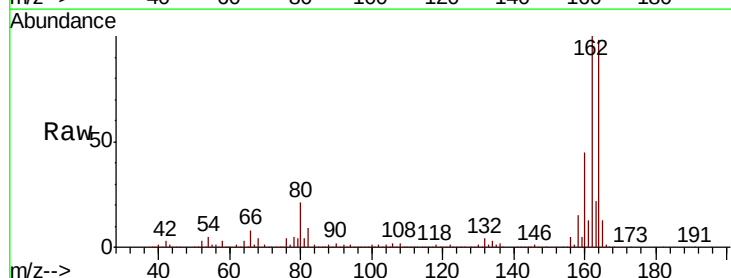
Tgt Ion:165 Resp: 59486

Ion Ratio Lower Upper

165 100

63 1.3 39.4 59.2#

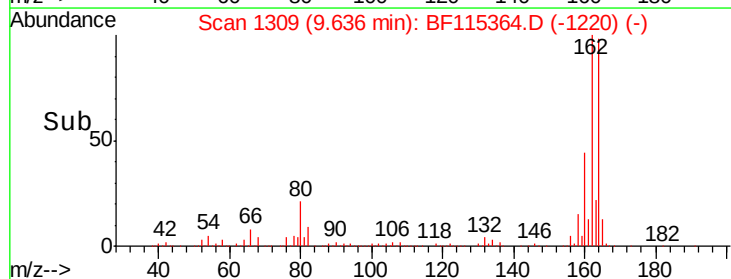
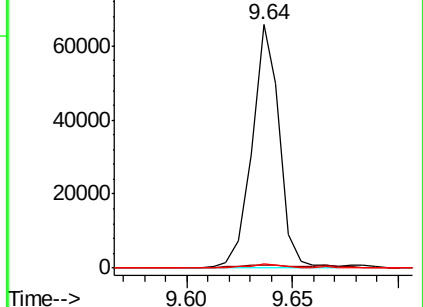
89 1.8 42.0 63.0#

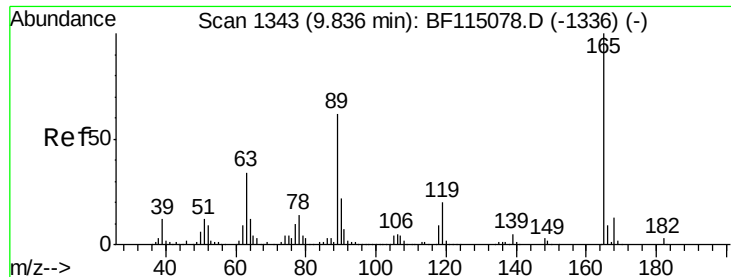


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

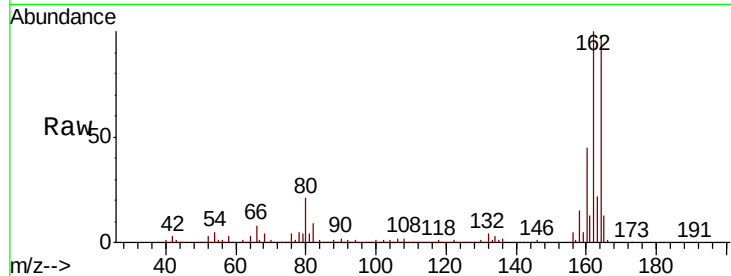




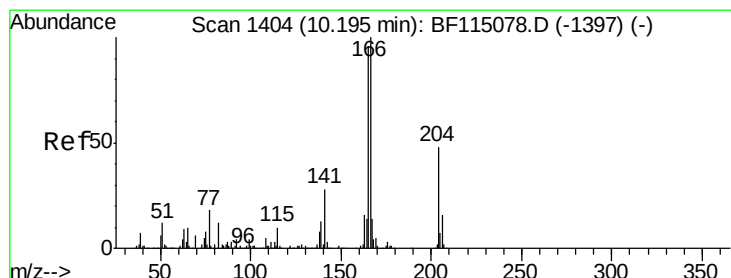
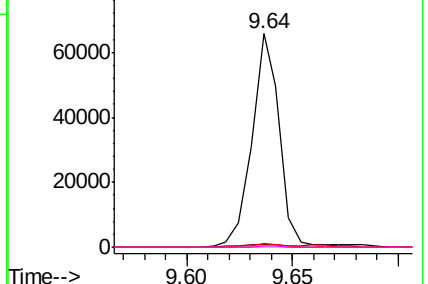
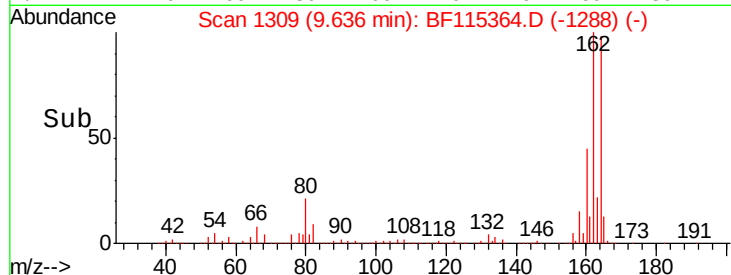
#57
 2,4-Dinitrotoluene
 Concen: 5.927 ng
 RT: 9.64 min Scan# 1309
 Delta R.T. -0.18 min
 Lab File: BF115364.D
 Acq: 2 Jul 2019 17:20

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Tgt Ion:165 Resp: 59486
 Ion Ratio Lower Upper
 165 100
 63 1.3 27.5 41.3#
 89 1.8 49.9 74.9#
 182 0.5 2.1 3.1#

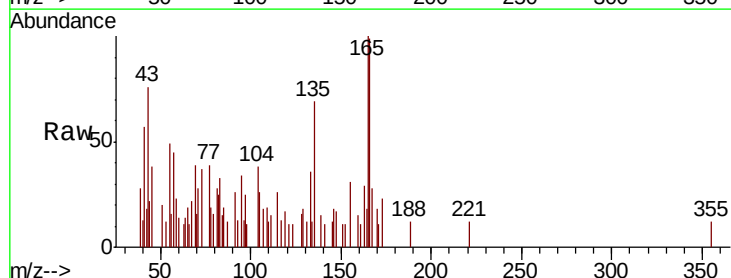


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

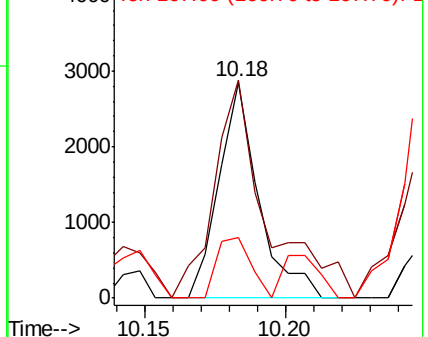
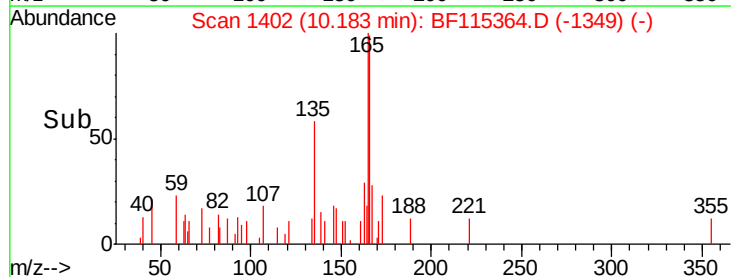


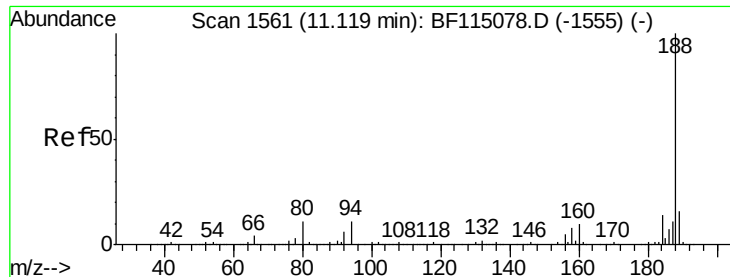
#58
 Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: BF115364.D
 Acq: 2 Jul 2019 17:20

Tgt Ion:166 Resp: 2799
 Ion Ratio Lower Upper
 166 100
 165 101.2 76.5 114.7
 167 28.2 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1560

Delta R.T. 0.02 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR-4-(OWS)-

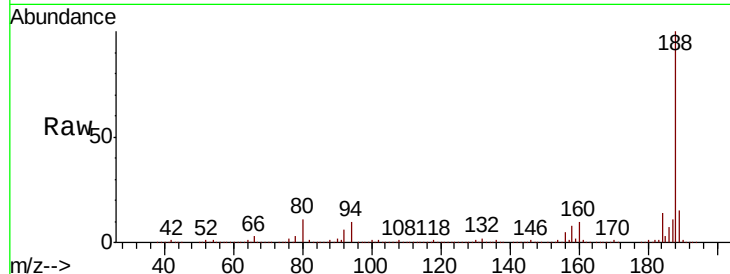
Tgt Ion:188 Resp: 833313

Ion Ratio Lower Upper

188 100

94 10.2 8.6 12.8

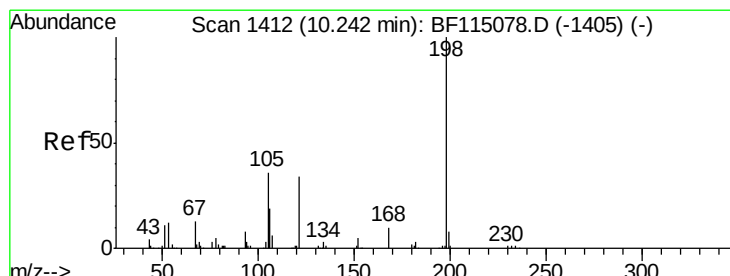
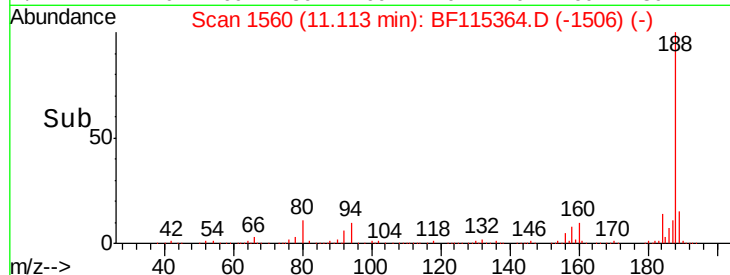
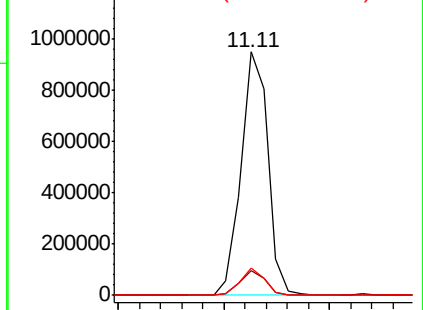
80 11.1 8.8 13.2



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.146 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.21 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

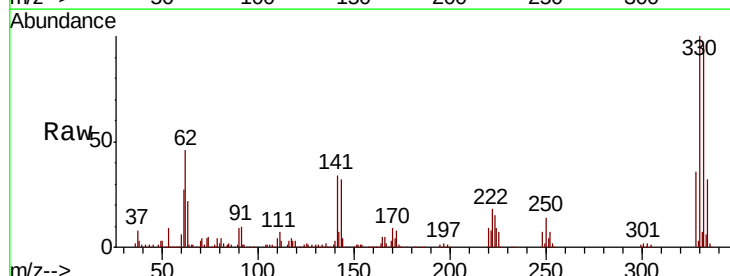
Tgt Ion:198 Resp: 918

Ion Ratio Lower Upper

198 100

51 197.2 11.0 51.0#

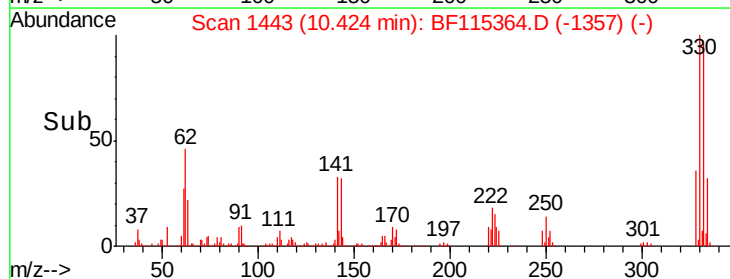
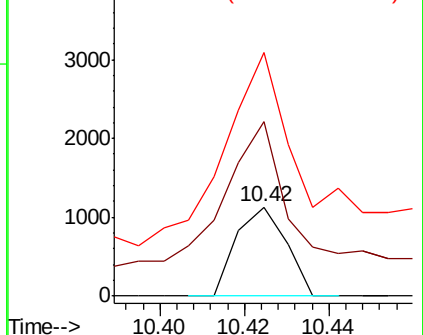
105 274.3 17.3 57.3#

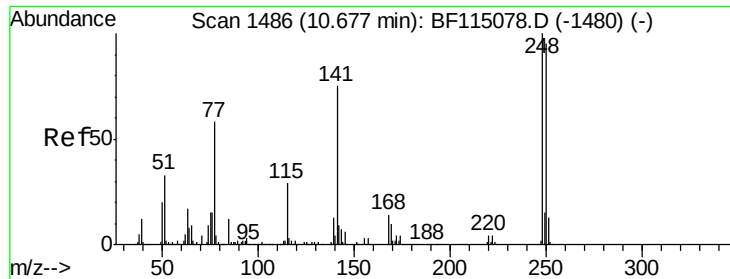


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

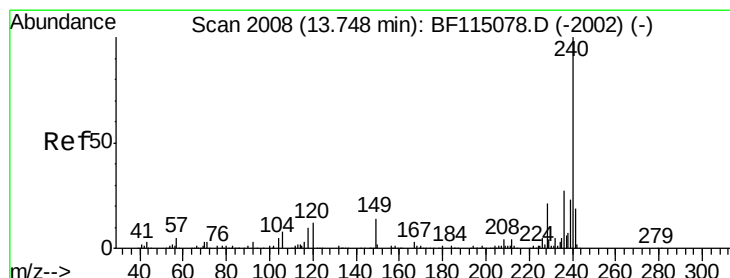
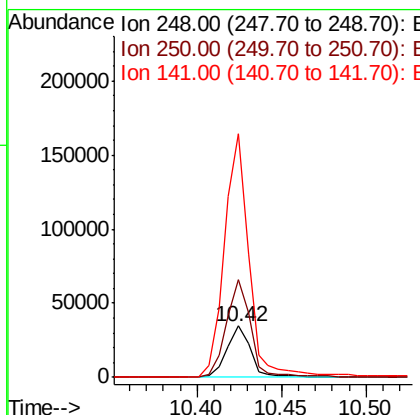
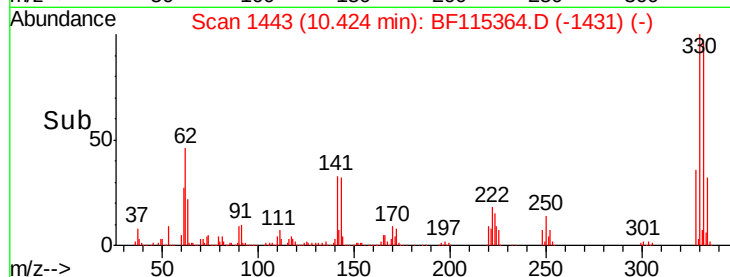
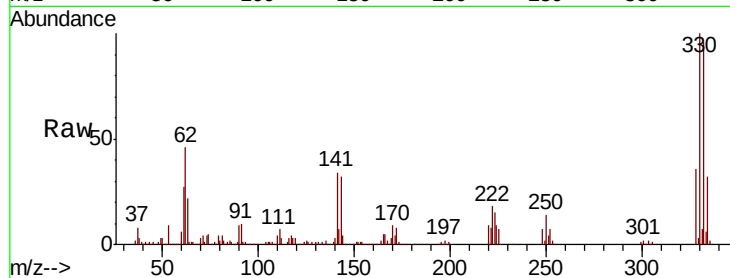




#67
 4-Bromophenyl-phenylether
 Concen: 3.753 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. -0.23 min
 Lab File: BF115364.D
 Acq: 2 Jul 2019 17:20

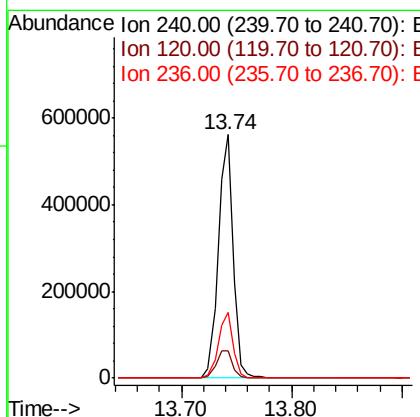
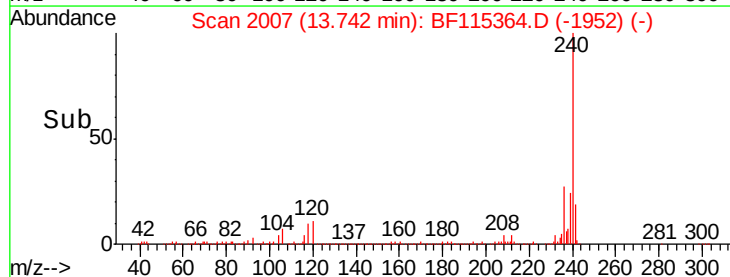
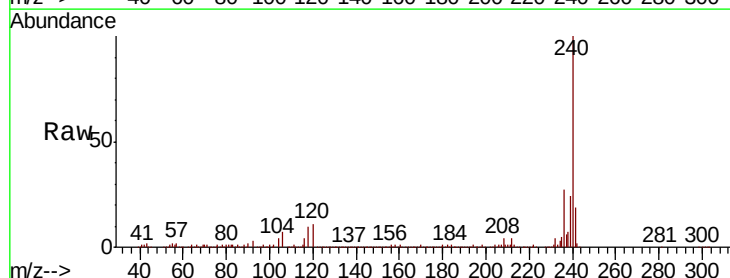
Instrument :
 BNA_F
 ClientSampleId :
 OIL-WATER-SEPARATOR-4-(OWS)-

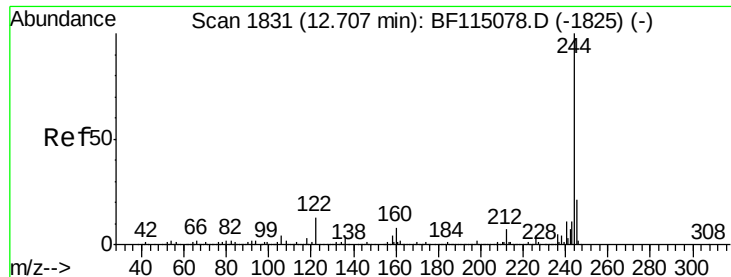
Tgt Ion:248 Resp: 33906
 Ion Ratio Lower Upper
 248 100
 250 191.1 76.2 114.2#
 141 473.8 59.6 89.4#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.74 min Scan# 2007
 Delta R.T. 0.02 min
 Lab File: BF115364.D
 Acq: 2 Jul 2019 17:20

Tgt Ion:240 Resp: 524374
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.4 14.2
 236 26.9 21.7 32.5





#79

Terphenyl-d14

Concen: 87.416 ng

RT: 12.71 min Scan# 1831

Delta R.T. 0.02 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR-4-(OWS)-

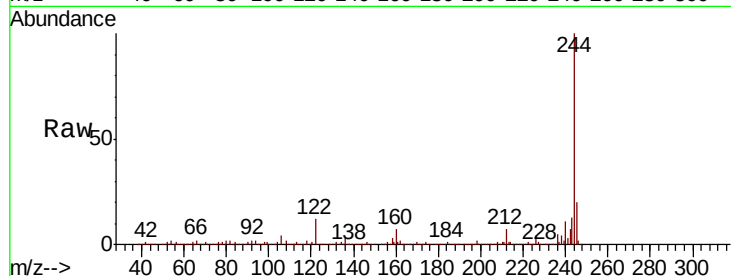
Tgt Ion:244 Resp: 2155930

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

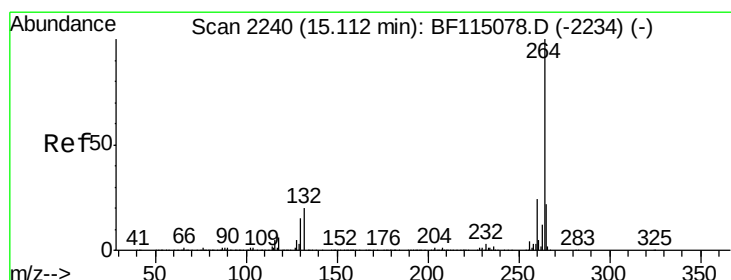
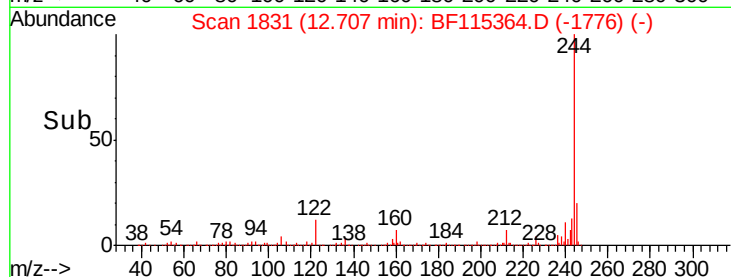
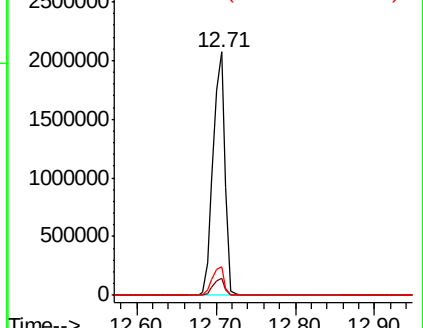
122 11.7 10.4 15.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.12 min Scan# 2241

Delta R.T. 0.04 min

Lab File: BF115364.D

Acq: 2 Jul 2019 17:20

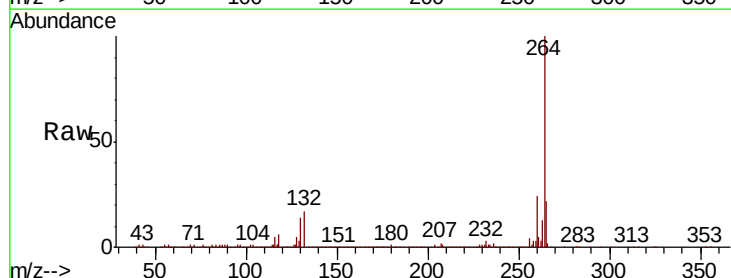
Tgt Ion:264 Resp: 557598

Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

265 21.5 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

