

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011017\
 Data File : BF092191.D
 Acq On : 10 Jan 2017 19:27
 Operator : UM/SJ
 Sample : I1077-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-02

Quant Time: Jan 10 23:33:54 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	147721	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	592702	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	310384	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	555282	20.00	ng	0.00
75) Chrysene-d12	13.79	240	419125	20.00	ng	0.00
86) Perylene-d12	15.16	264	324717	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	762841	86.23	ng	0.00
7) Phenol-d6	6.30	99	567409	52.53	ng	-0.01
23) Nitrobenzene-d5	7.20	82	1041684	97.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	420151	163.57	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1956840	137.08	ng	0.00
78) Terphenyl-d14	12.75	244	1709952	98.95	ng	0.00

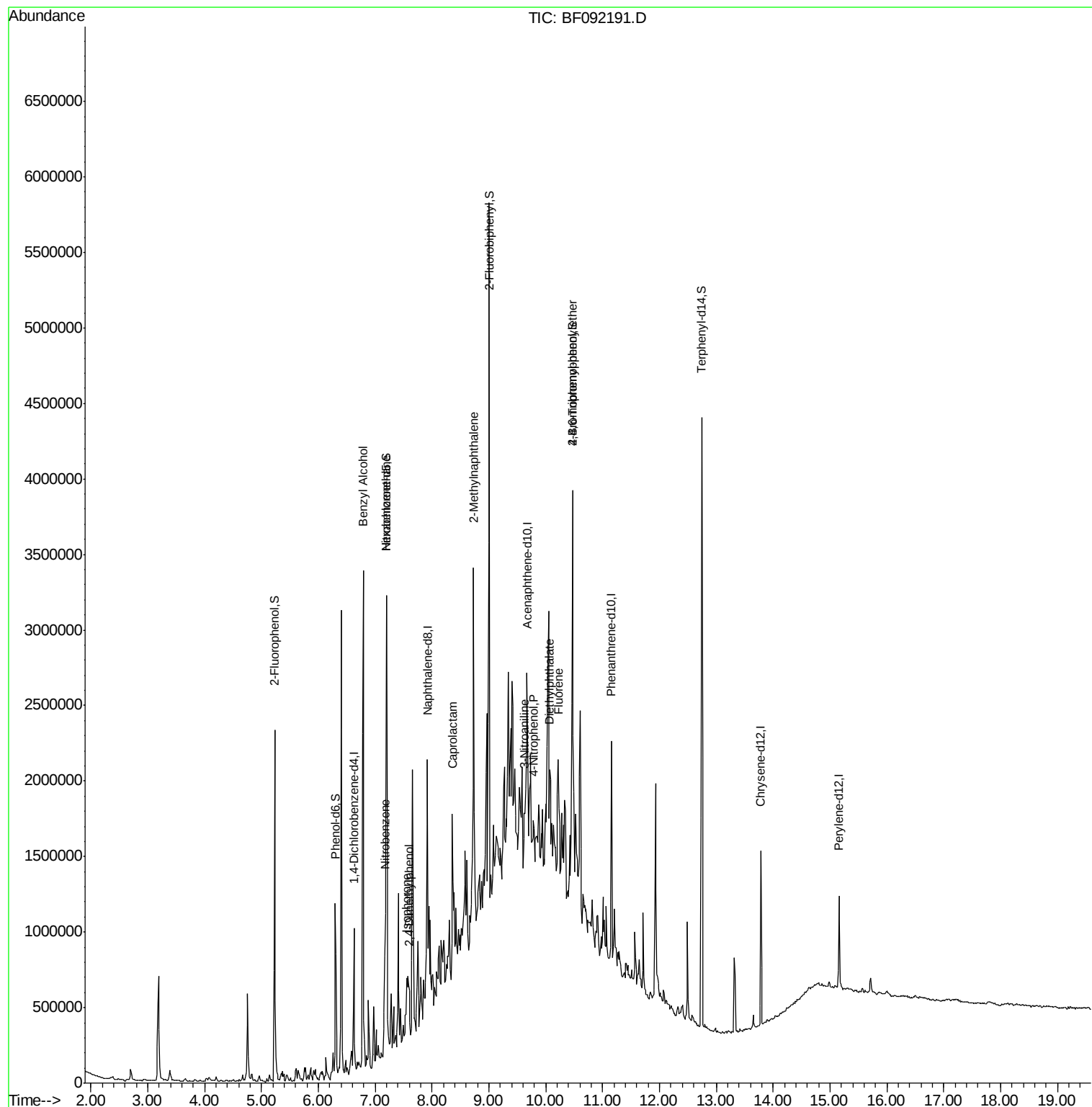
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.79	79	21671	2.58	ng	# 26
18) Hexachloroethane	7.20	117	367507	90.65	ng	# 2
24) Nitrobenzene	7.18	77	59230	5.22	ng	# 26
25) Isophorone	7.56	82	49722	2.53	ng	# 1
27) 2,4-Dimethylphenol	7.60	122	35220	3.79	ng	97
35) Caprolactam	8.36	113	25547	9.89	ng	# 1
37) 2-Methylnaphthalene	8.73	142	674115	39.16	ng	95
52) 3-Nitroaniline	9.62	138	17018	3.16	ng	# 21
55) 4-Nitrophenol	9.78	139	10038	2.75	ng	# 1
57) Fluorene	10.22	166	49215	2.85	ng	# 91
59) Diethylphthalate	10.07	149	64595	3.35	ng	# 47
66) 4-Bromophenyl-phenylether	10.47	248	24552	4.25	ng	# 1
71) Anthracene	11.22	178	2566	Below Cal		# 1
73) Di-n-butylphthalate	11.73	149	7445	Below Cal		# 33
74) Fluoranthene	12.37	202	3438	Below Cal		# 33
76) Benzidine	12.48	184	910	Below Cal		# 1

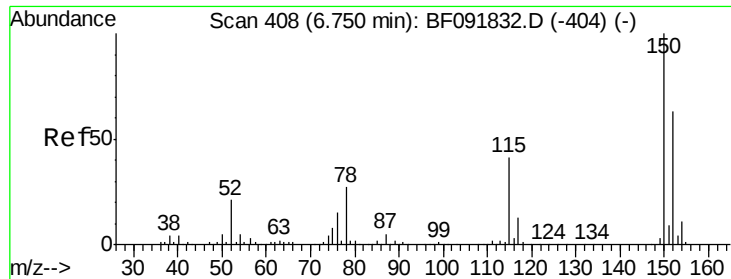
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampleId :

W-02

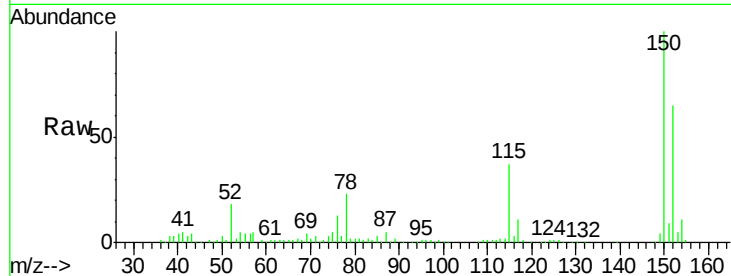
Tgt Ion:152 Resp: 147721

Ion Ratio Lower Upper

152 100

150 153.0 124.9 187.3

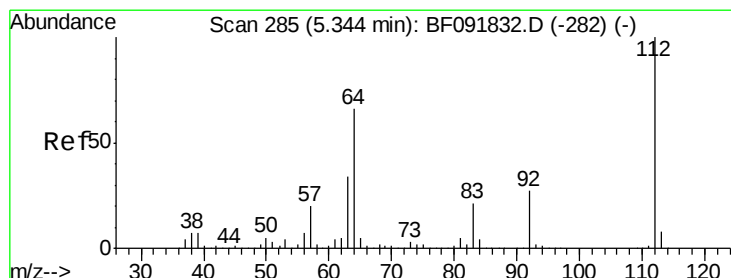
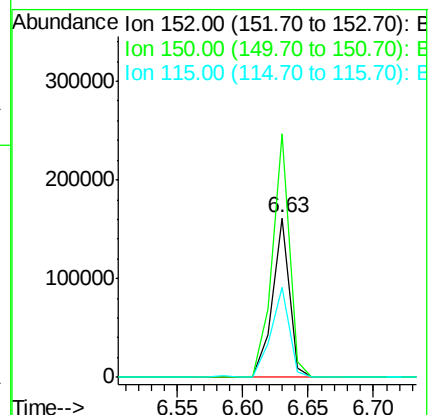
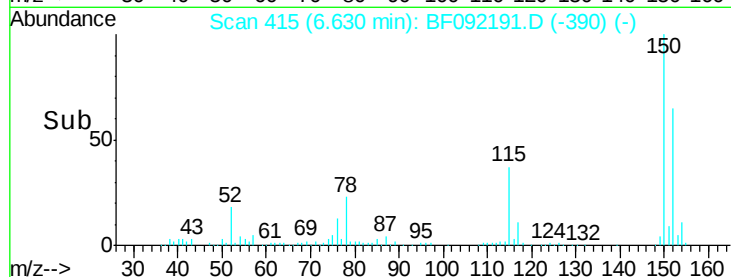
115 56.8 46.0 69.0



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: 86.23 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

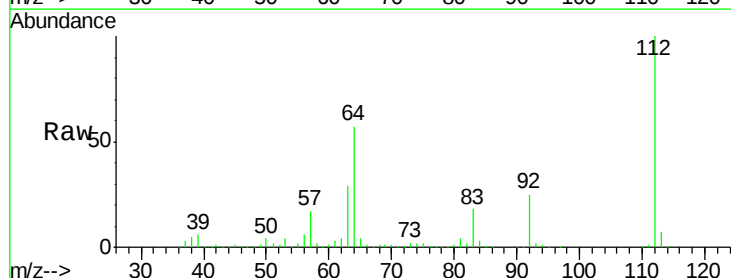
Tgt Ion:112 Resp: 762841

Ion Ratio Lower Upper

112 100

64 57.1 46.1 69.1

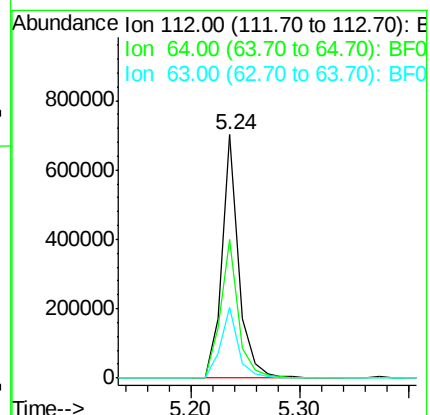
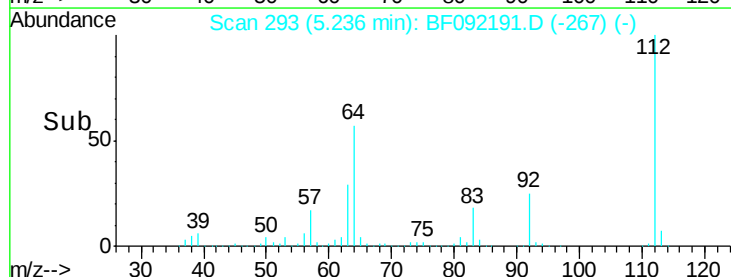
63 28.9 23.8 35.6

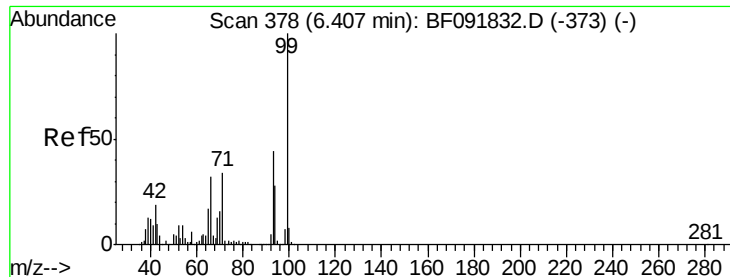


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 52.53 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampled :

W-02

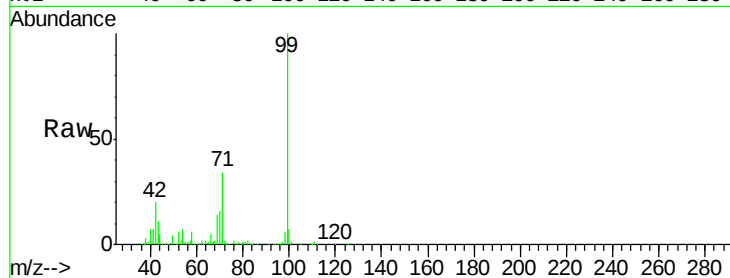
Tgt Ion: 99 Resp: 567409

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

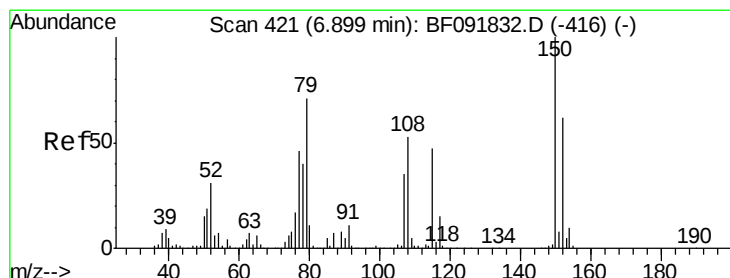
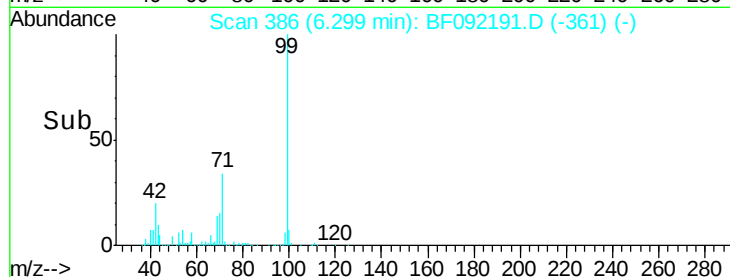
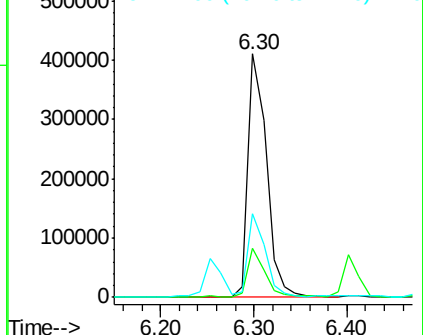
71 34.2 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.58 ng

RT: 6.79 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

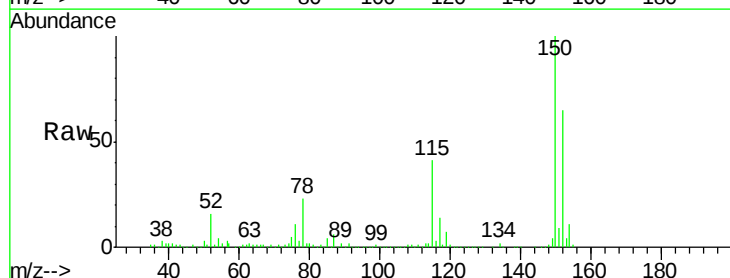
Tgt Ion: 79 Resp: 21671

Ion Ratio Lower Upper

79 100

108 28.2 61.4 92.0#

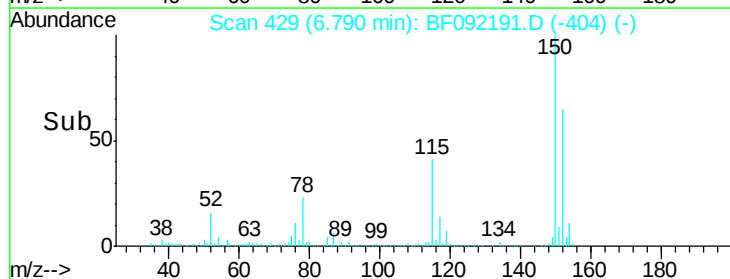
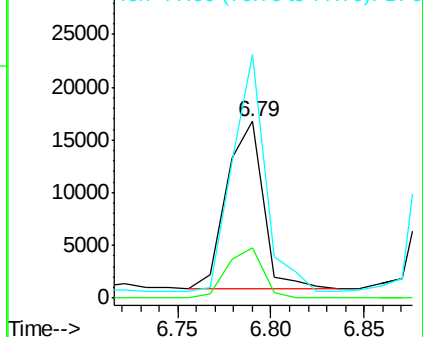
77 137.8 50.9 76.3#

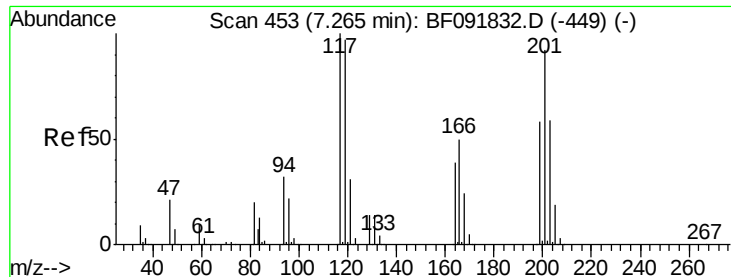


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 90.65 ng

RT: 7.20 min Scan# 465

Delta R.T. 0.05 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampleId :

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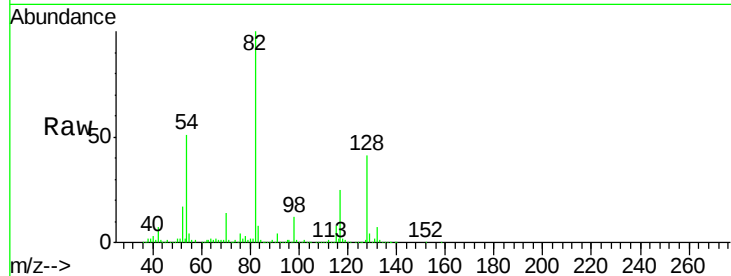
Tgt Ion:117 Resp: 367507

Ion Ratio Lower Upper

117 100

119 2.8 78.1 117.1#

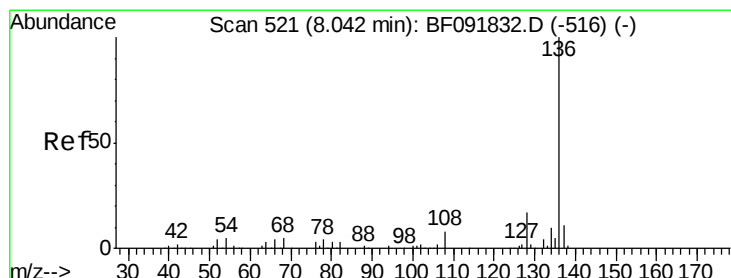
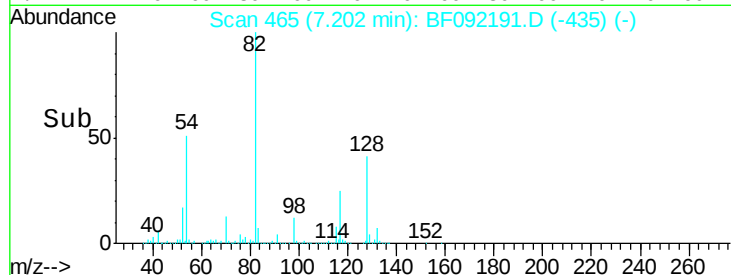
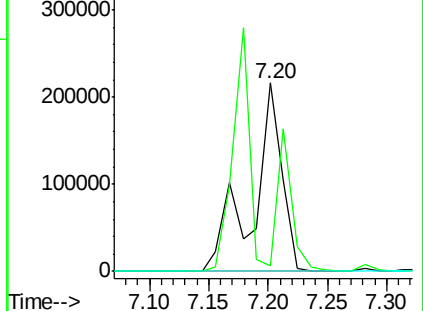
201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Tgt Ion:136 Resp: 592702

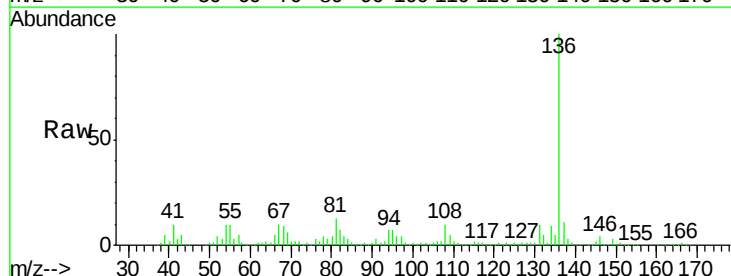
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 10.0 4.5 6.7#

68 8.5 3.6 5.4#

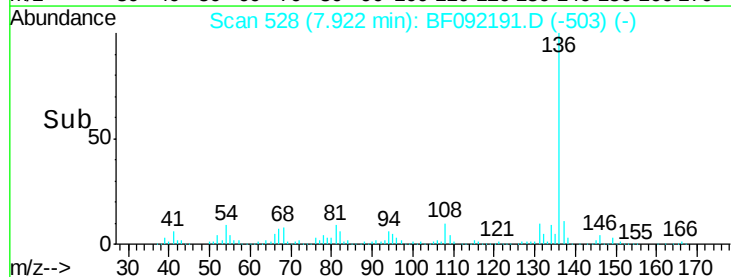
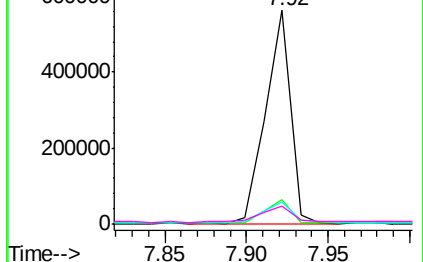


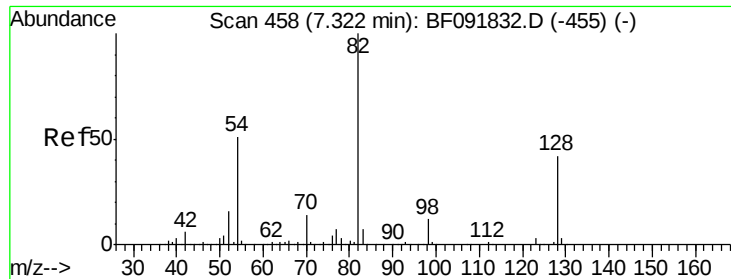
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

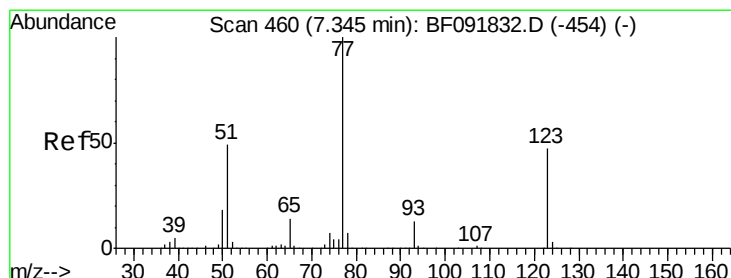
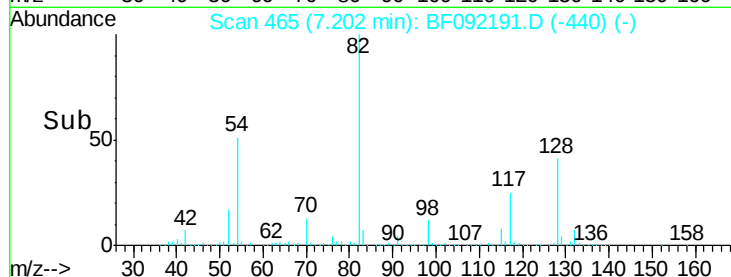
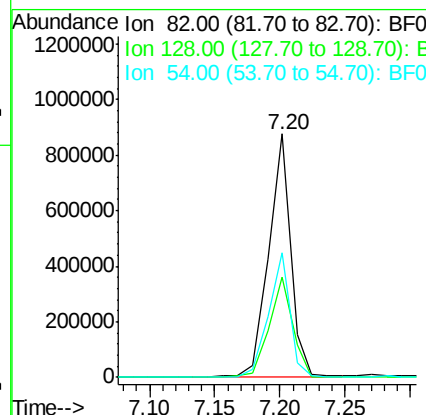
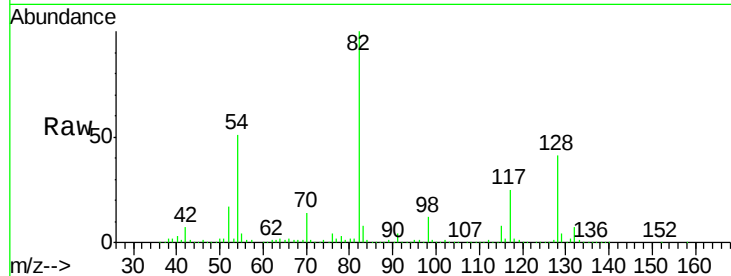




#23
 Nitrobenzene-d5
 Concen: 97.73 ng
 RT: 7.20 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

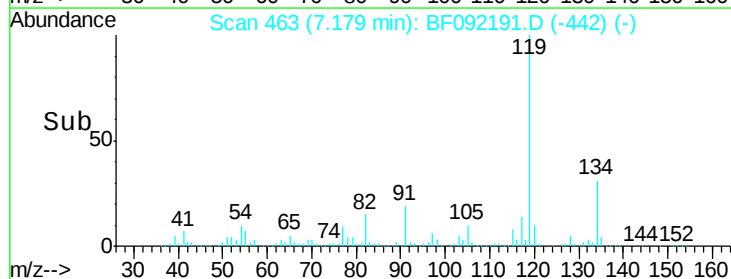
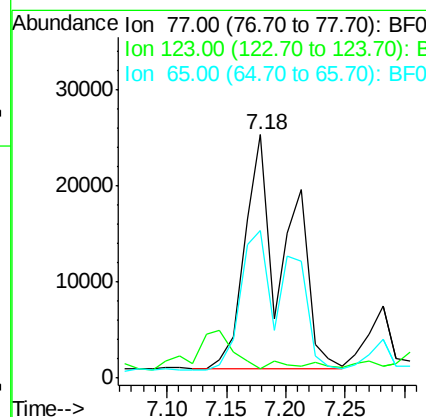
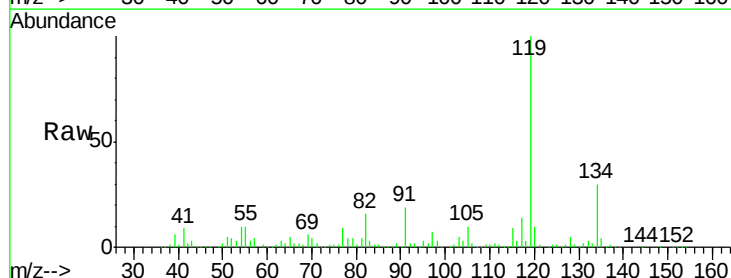
Instrument :
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 ClientSampleID :
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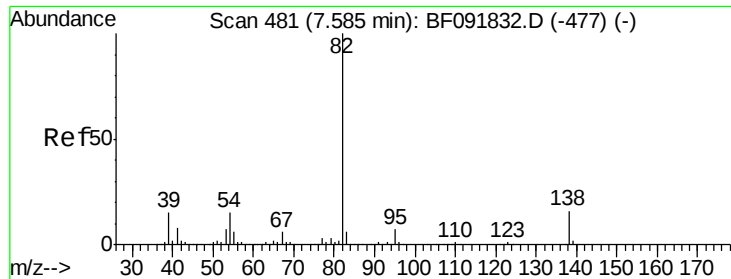
Tgt Ion: 82 Resp: 1041684
 Ion Ratio Lower Upper
 82 100
 128 41.1 34.6 52.0
 54 51.2 39.5 59.3



#24
 Nitrobenzene
 Concen: 5.22 ng
 RT: 7.18 min Scan# 463
 Delta R.T. -0.06 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

Tgt Ion: 77 Resp: 59230
 Ion Ratio Lower Upper
 77 100
 123 3.7 33.0 49.4#
 65 60.4 11.2 16.8#





#25

Isophorone

Concen: 2.53 ng

RT: 7.56 min Scan# 496

Delta R.T. 0.08 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampleId :

W-02

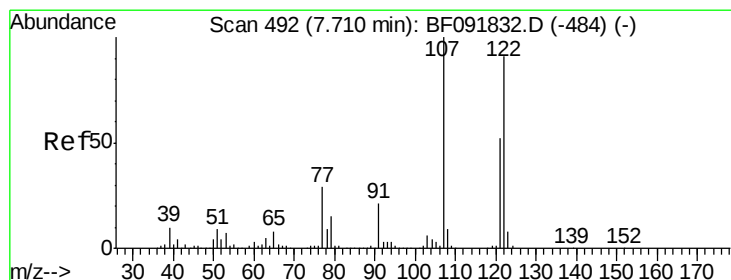
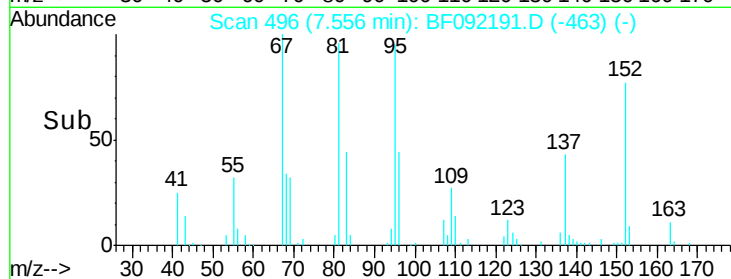
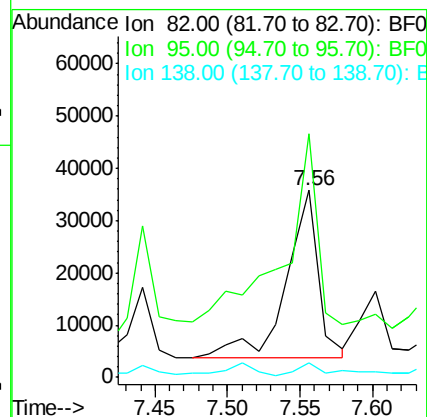
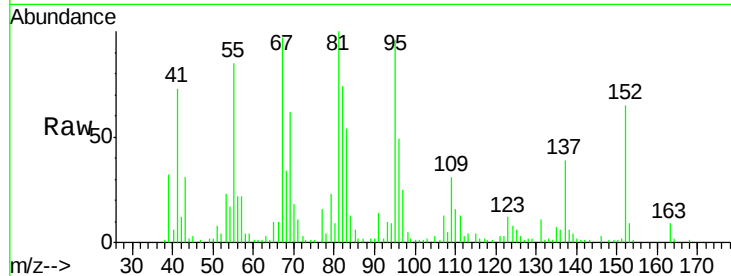
Tgt Ion: 82 Resp: 49722

Ion Ratio Lower Upper

82 100

95 130.3 5.6 8.4#

138 7.5 14.6 22.0#



#27

2,4-Dimethylphenol

Concen: 3.79 ng

RT: 7.60 min Scan# 500

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

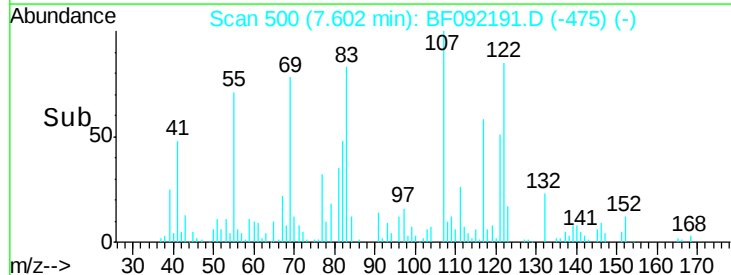
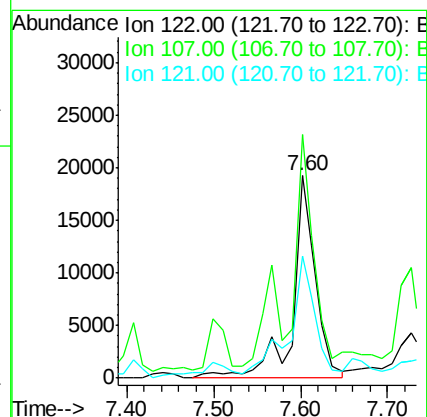
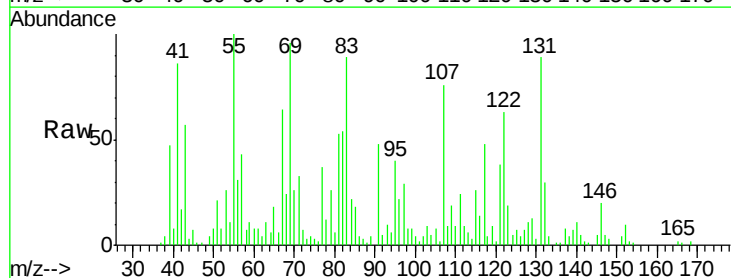
Tgt Ion: 122 Resp: 35220

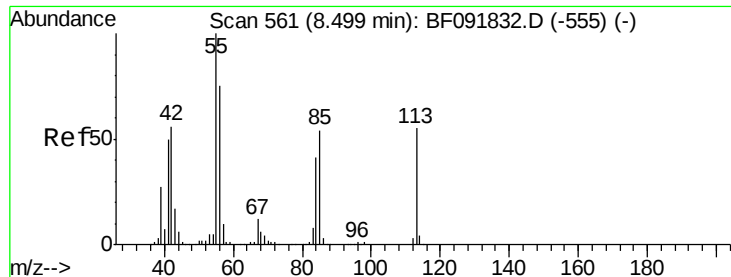
Ion Ratio Lower Upper

122 100

107 120.4 94.1 141.1

121 60.2 46.0 69.0

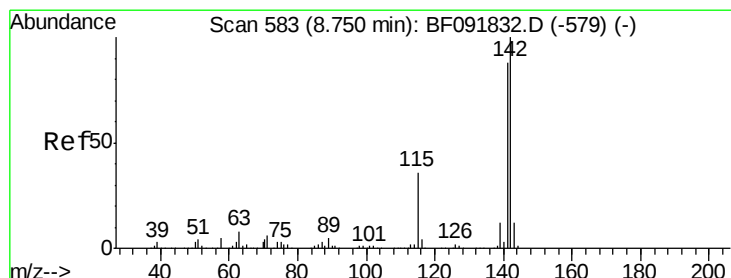
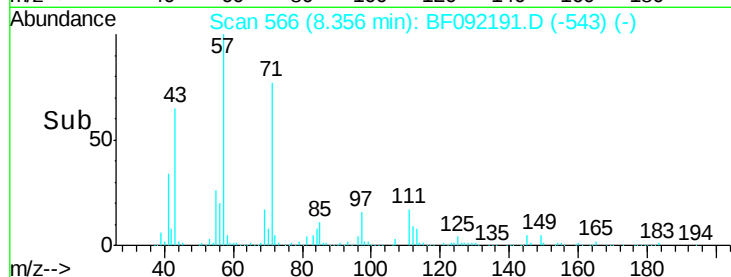
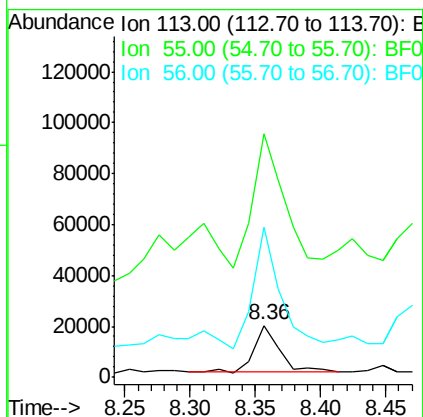
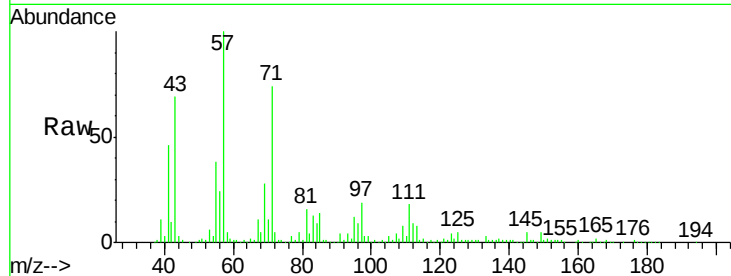




#35
 Caprolactam
 Concen: 9.89 ng
 RT: 8.36 min Scan# 566
 Delta R.T. -0.03 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

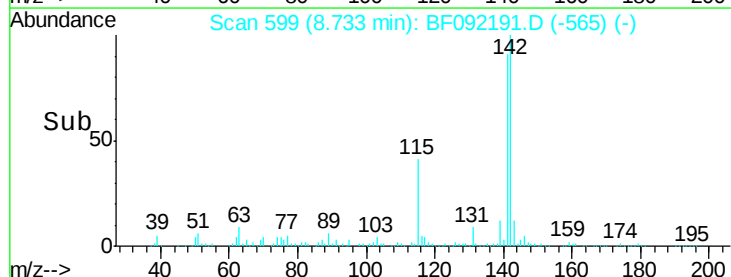
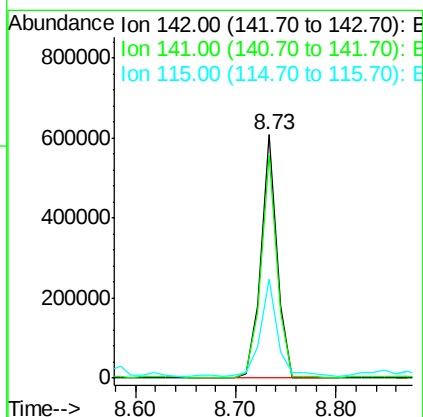
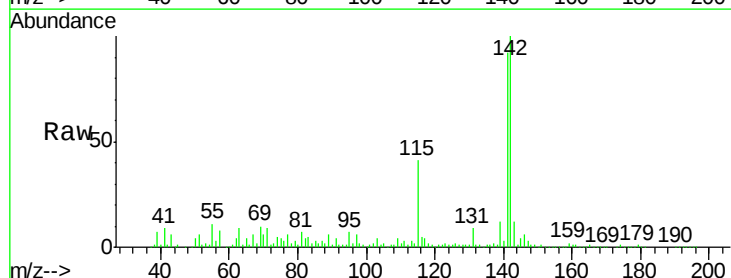
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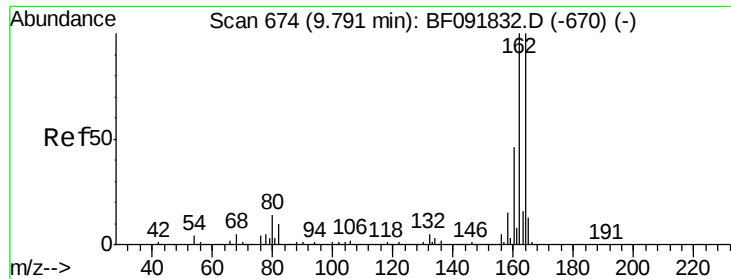
Tgt Ion:113 Resp: 25547
 Ion Ratio Lower Upper
 113 100
 55 469.7 119.2 159.2#
 56 288.7 83.8 123.8#



#37
 2-Methylnaphthalene
 Concen: 39.16 ng
 RT: 8.73 min Scan# 599
 Delta R.T. 0.09 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

Tgt Ion:142 Resp: 674115
 Ion Ratio Lower Upper
 142 100
 141 91.7 71.0 106.6
 115 40.9 28.3 42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampleId :

W-02

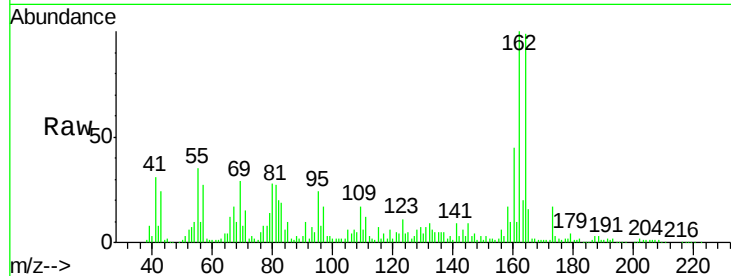
Tgt Ion:164 Resp: 310384

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

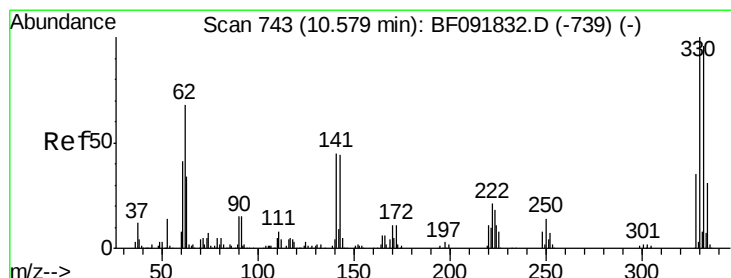
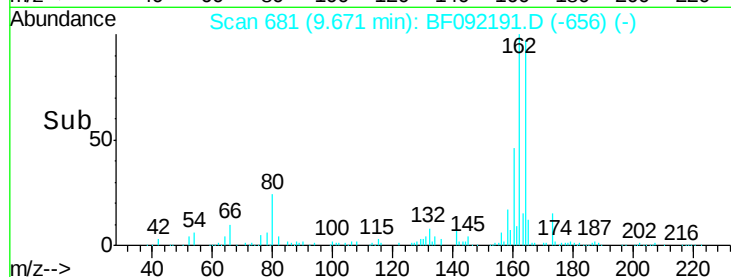
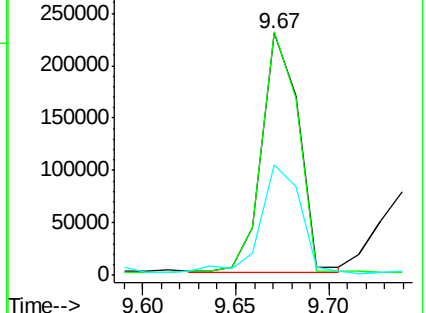
160 45.6 36.9 55.3



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



#41

2,4,6-Tribromophenol

Concen: 163.57 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

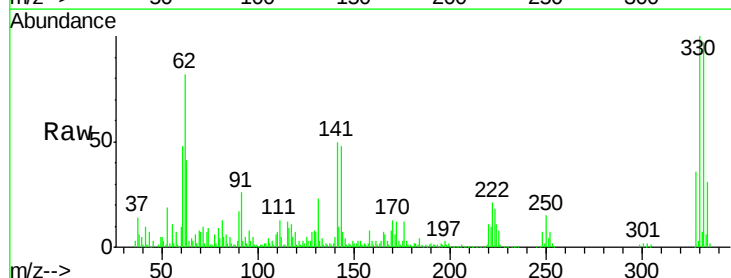
Tgt Ion:330 Resp: 420151

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

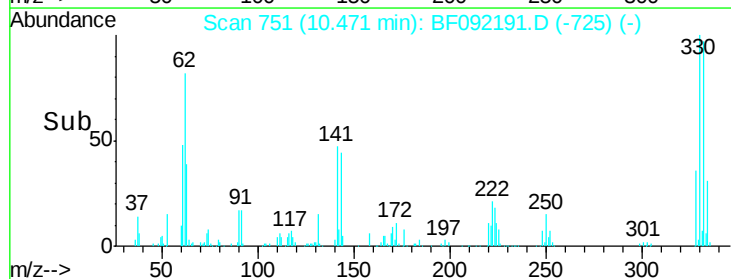
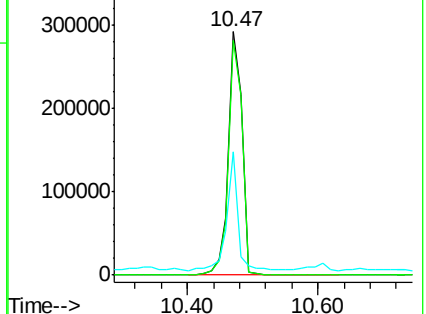
141 39.4 34.1 51.1

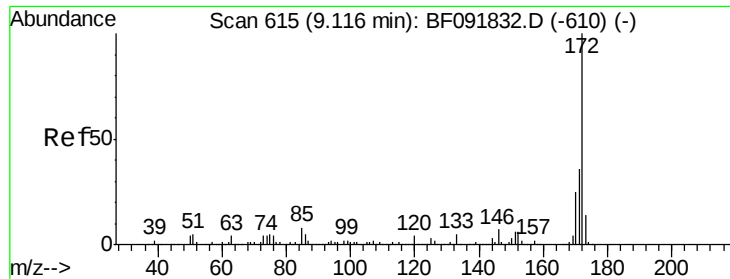


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

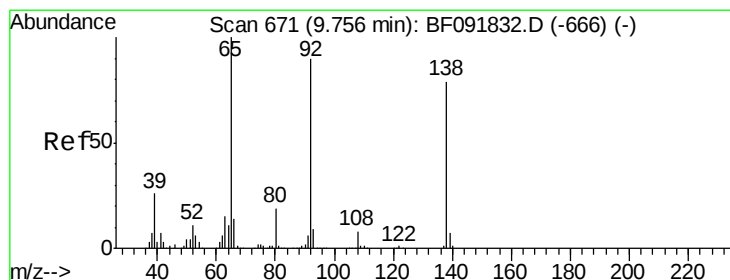
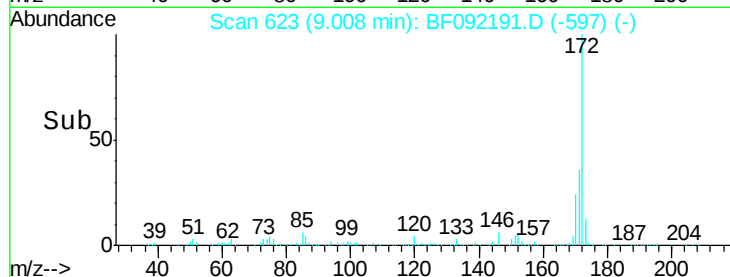
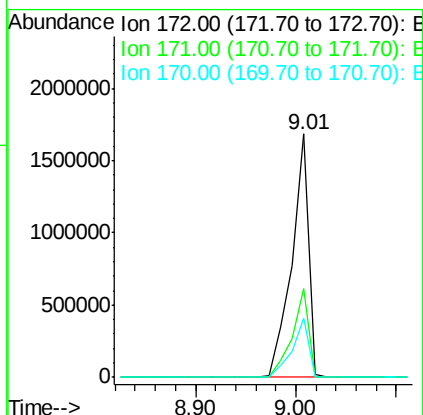
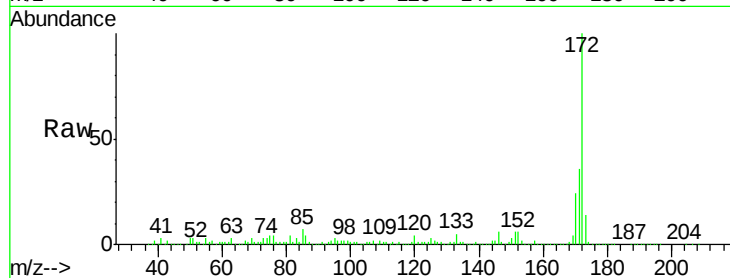




#44
 2-Fluorobiphenyl
 Concen: 137.08 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

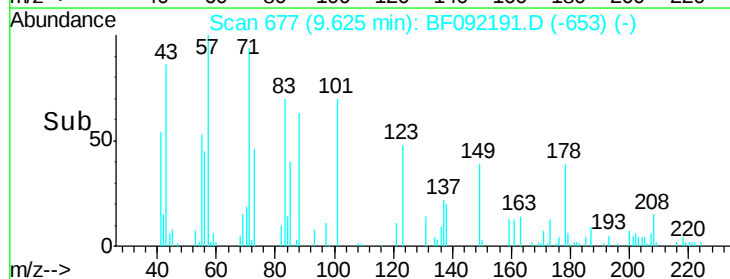
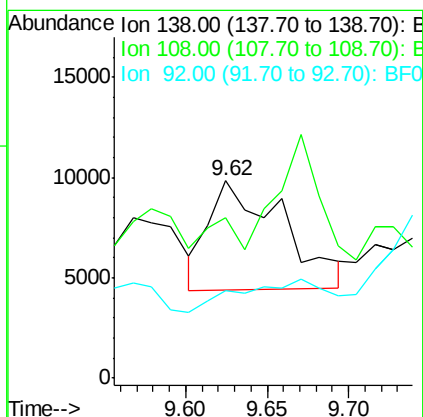
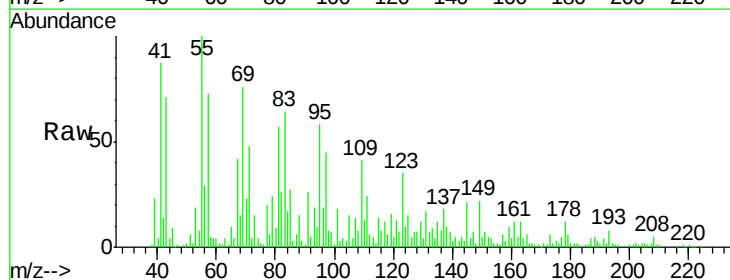
Instrument :
 BNA_F
 ClientSampleId :
 W-02

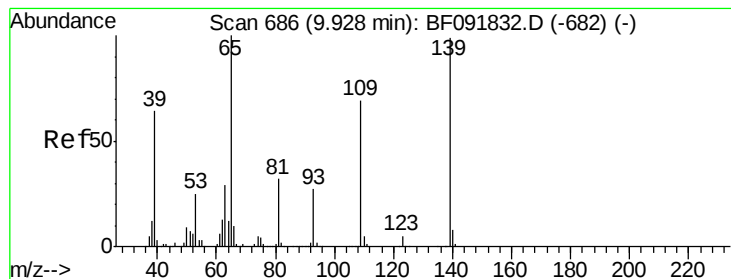
Tgt Ion:172 Resp: 1956840
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.5 20.2 30.4



#52
 3-Nitroaniline
 Concen: 3.16 ng
 RT: 9.62 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

Tgt Ion:138 Resp: 17018
 Ion Ratio Lower Upper
 138 100
 108 81.2 8.5 12.7#
 92 44.3 97.8 146.8#





#55

4-Nitrophenol

Concen: 2.75 ng

RT: 9.78 min Scan# 691

Delta R.T. -0.05 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampled :

W-02

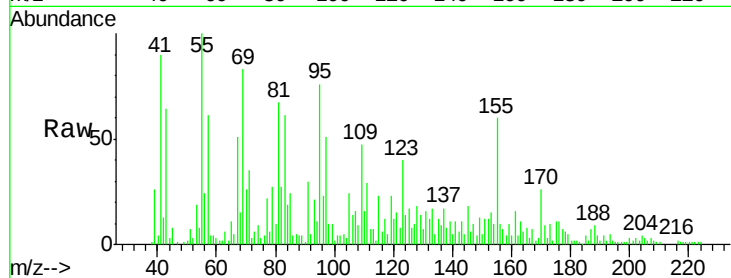
Tgt Ion:139 Resp: 10038

Ion Ratio Lower Upper

139 100

109 416.8 52.2 92.2#

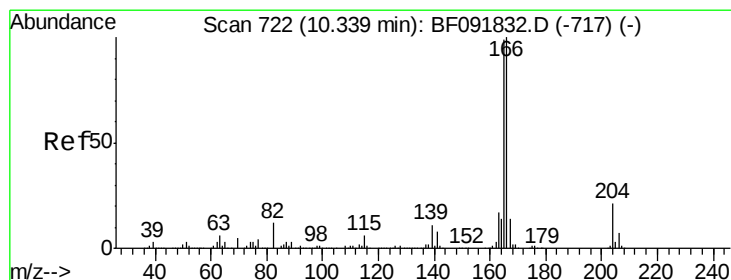
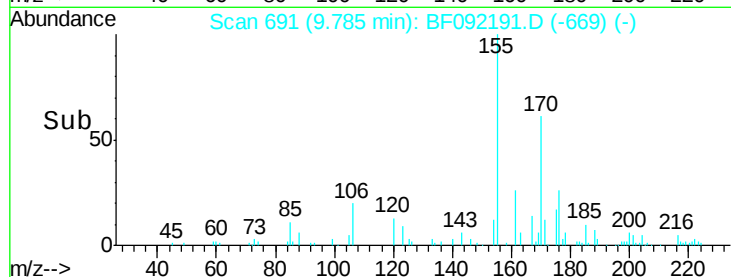
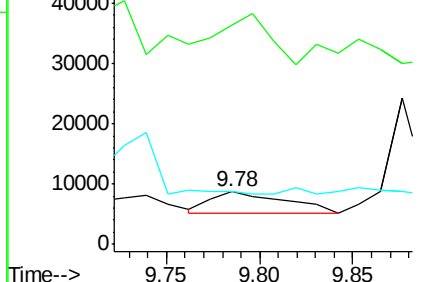
65 100.8 85.8 125.8



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): BF0



#57

Fluorene

Concen: 2.85 ng

RT: 10.22 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

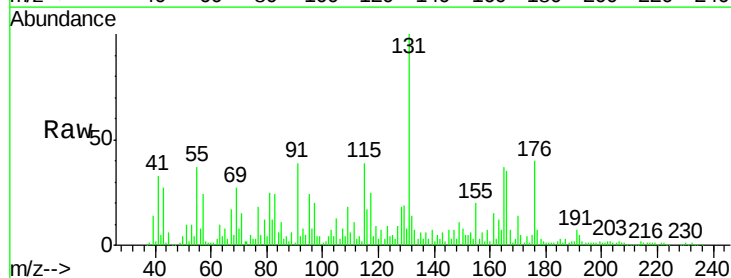
Tgt Ion:166 Resp: 49215

Ion Ratio Lower Upper

166 100

165 105.6 77.8 116.8

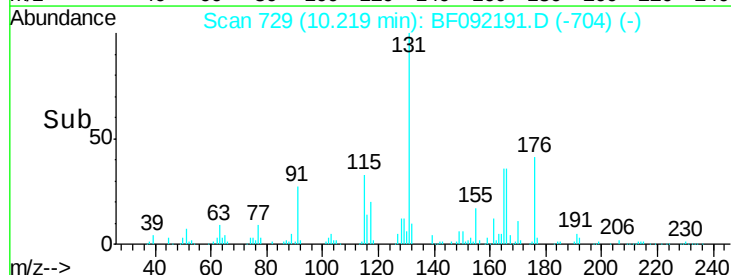
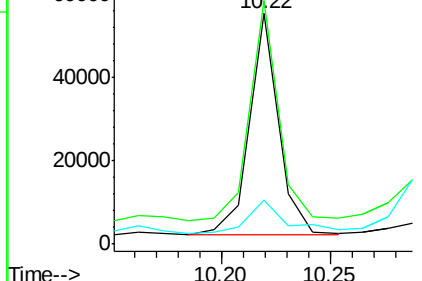
167 19.2 10.8 16.2#

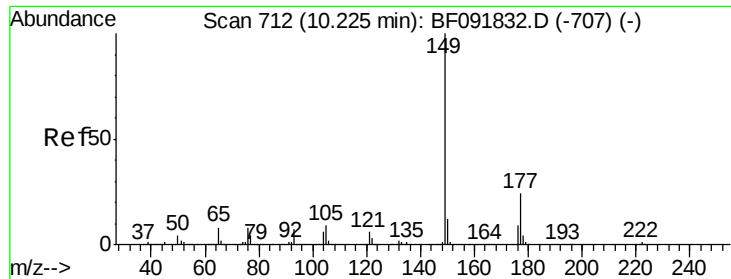


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

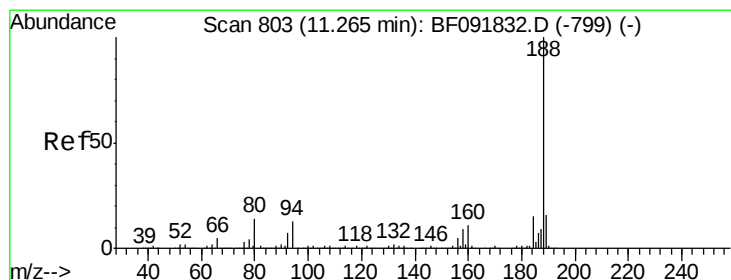
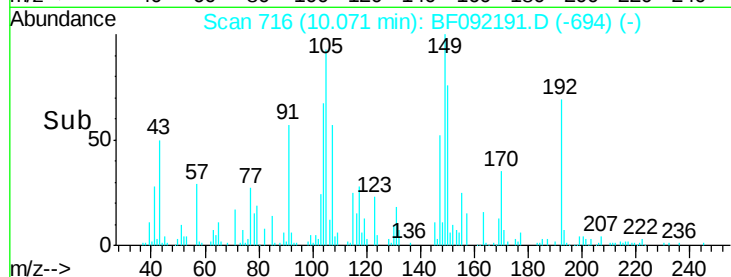
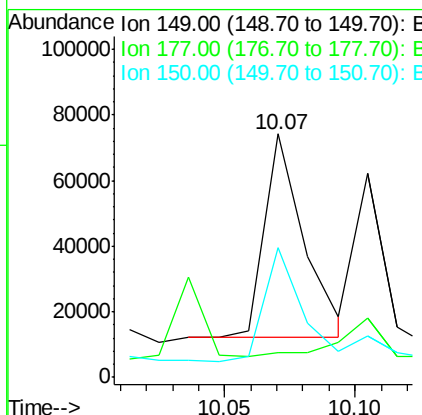
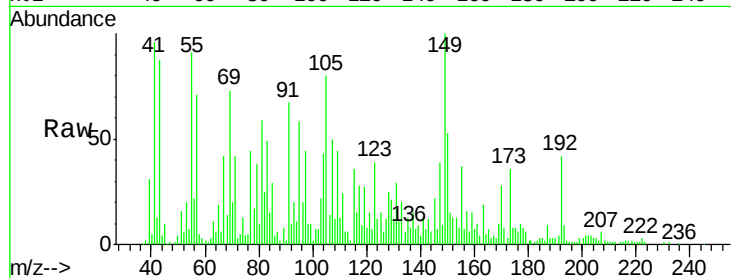




#59
Diethylphthalate
Concen: 3.35 ng
RT: 10.07 min Scan# 716
Delta R.T. -0.05 min
Lab File: BF092191.D
Acq: 10 Jan 2017 19:27

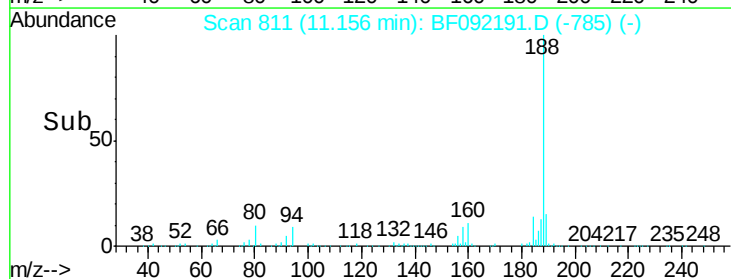
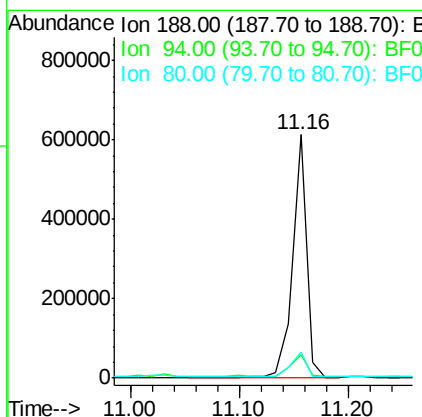
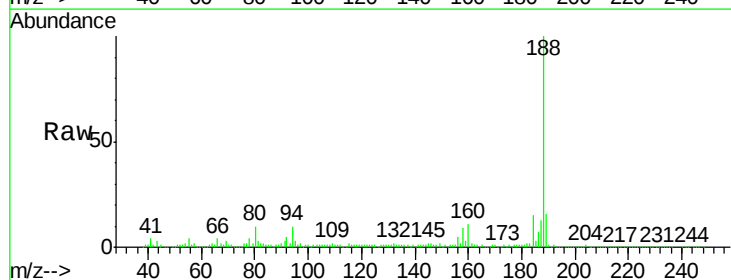
Instrument :
BNA_F
ClientSampleId :
W-02

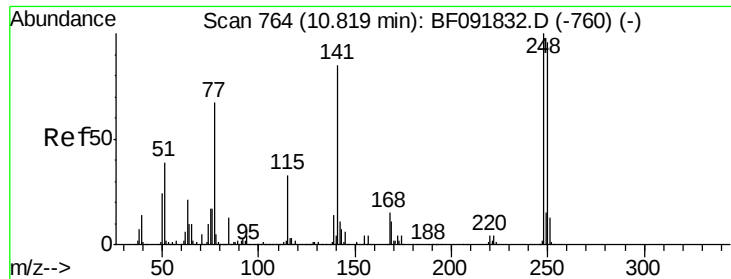
Tgt Ion:149 Resp: 64595
Ion Ratio Lower Upper
149 100
177 10.0 16.6 25.0#
150 53.1 10.4 15.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF092191.D
Acq: 10 Jan 2017 19:27

Tgt Ion:188 Resp: 555282
Ion Ratio Lower Upper
188 100
94 9.5 10.0 15.0#
80 10.5 11.2 16.8#

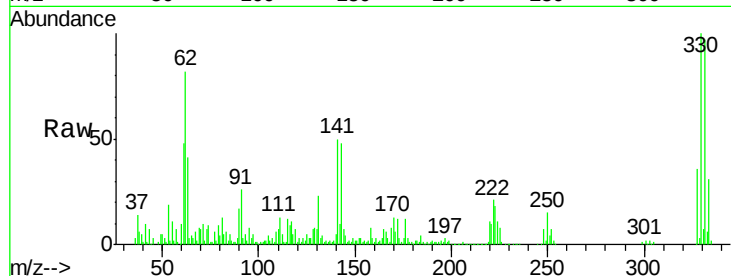




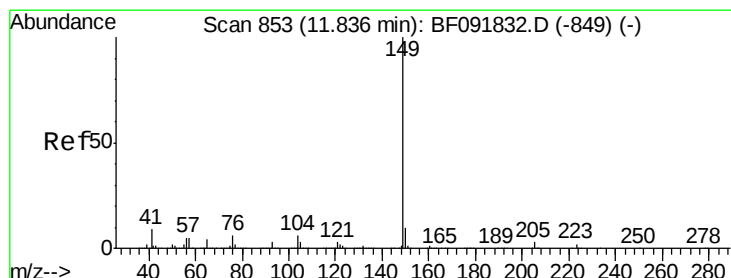
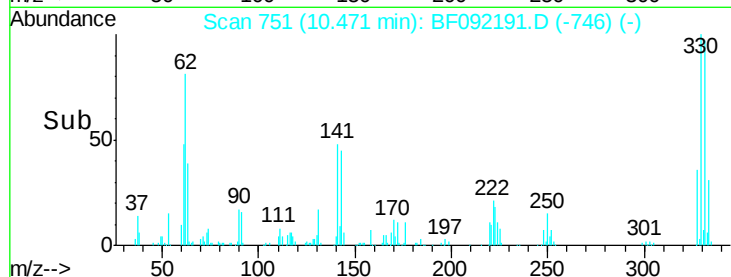
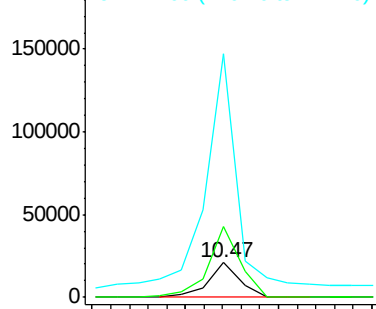
#66
4-Bromophenyl-phenylether
Concen: 4.25 ng
RT: 10.47 min Scan# 751
Delta R.T. -0.24 min
Lab File: BF092191.D
Acq: 10 Jan 2017 19:27

Instrument :
BNA_F
ClientSampleId :
W-02

Tgt Ion:248 Resp: 24552
Ion Ratio Lower Upper
248 100
250 202.6 76.9 115.3#
141 698.8 68.2 102.4#

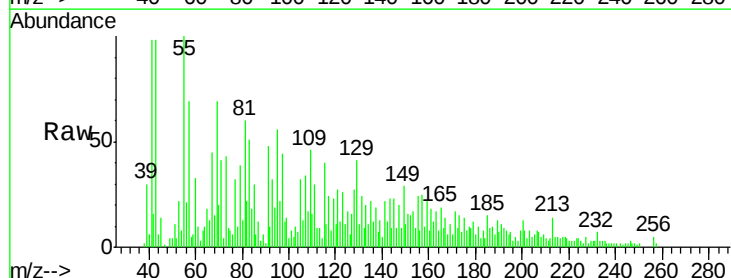


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

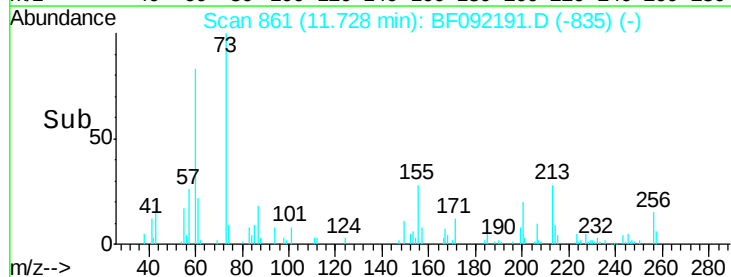
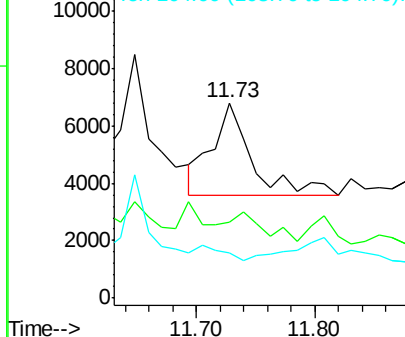


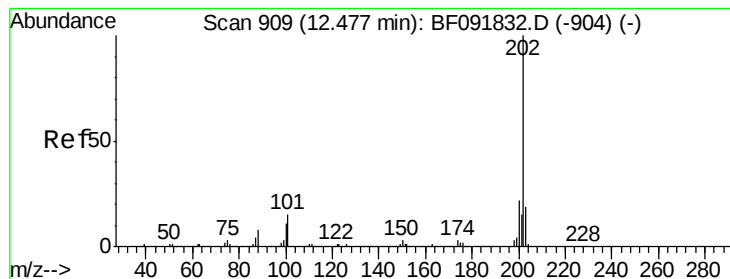
#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.73 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF092191.D
Acq: 10 Jan 2017 19:27

Tgt Ion:149 Resp: 7445
Ion Ratio Lower Upper
149 100
150 38.7 8.1 12.1#
104 22.8 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampleId :

W-02

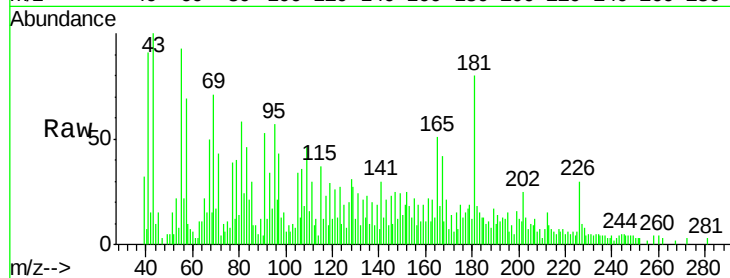
Tgt Ion:202 Resp: 3438

Ion Ratio Lower Upper

202 100

101 37.1 0.0 34.6#

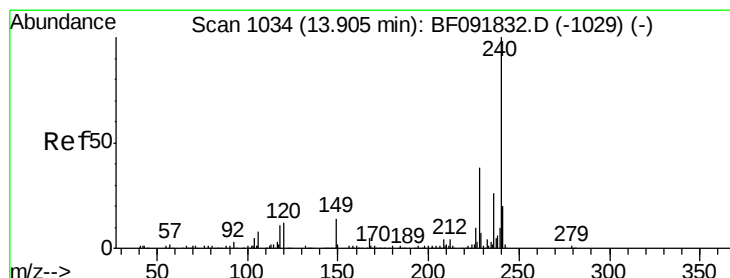
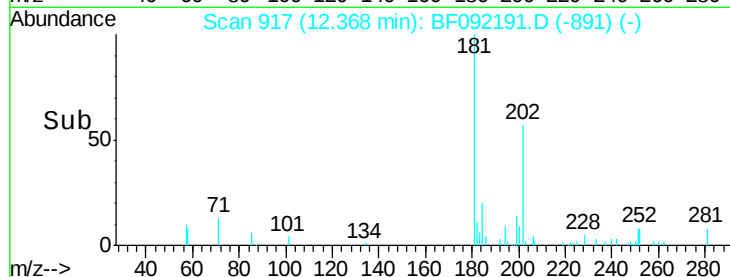
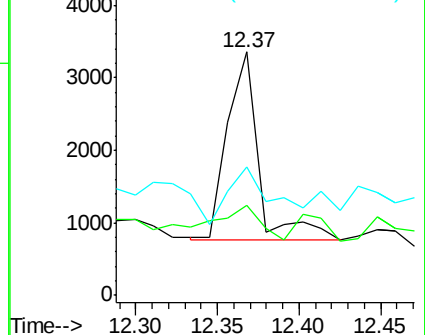
203 52.7 0.0 38.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

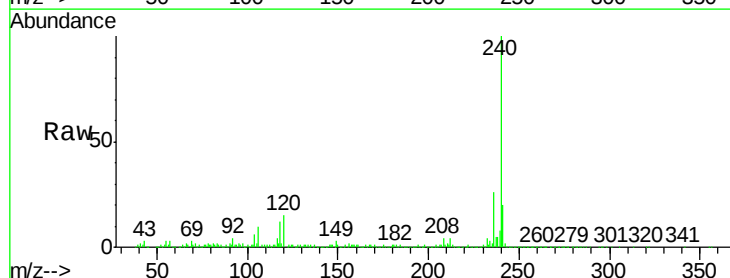
Tgt Ion:240 Resp: 419125

Ion Ratio Lower Upper

240 100

120 14.6 12.9 19.3

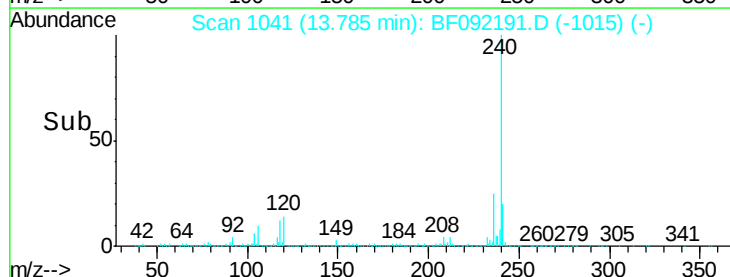
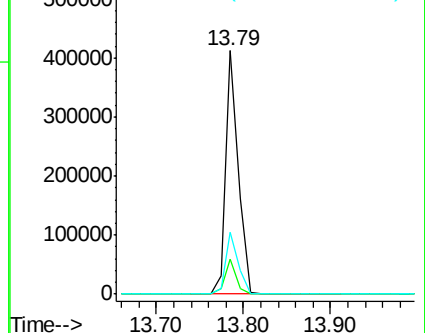
236 25.5 20.9 31.3

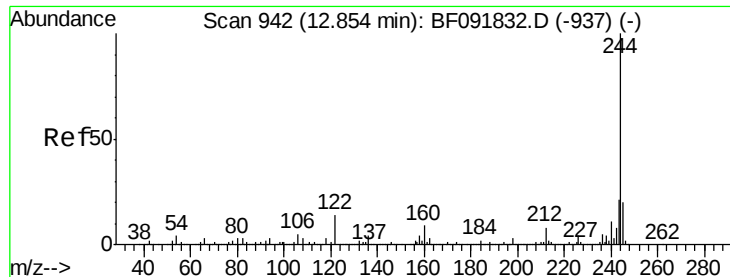


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

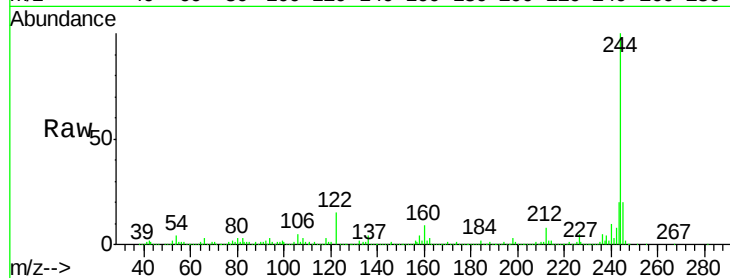




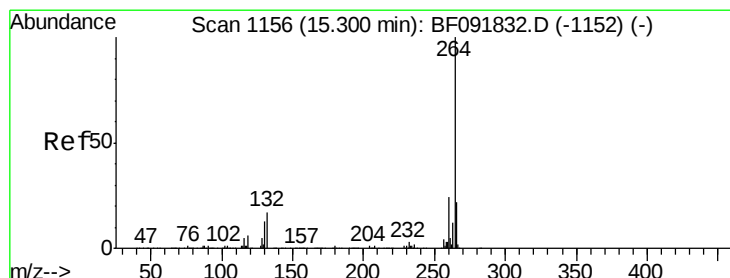
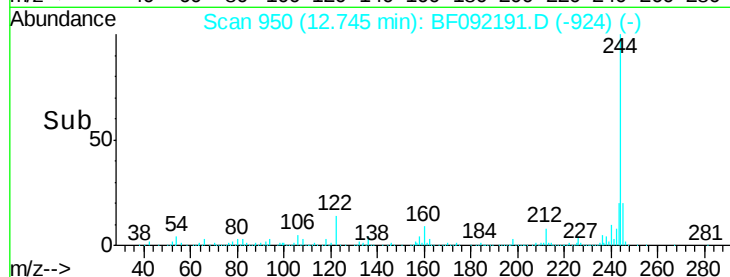
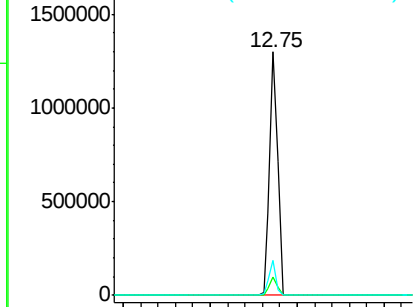
#78
 Terphenyl-d14
 Concen: 98.95 ng
 RT: 12.75 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

Instrument :
 BNA_F
 ClientSampleId :
 W-02

Tgt Ion:244 Resp: 1709952
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 14.6 11.4 17.2

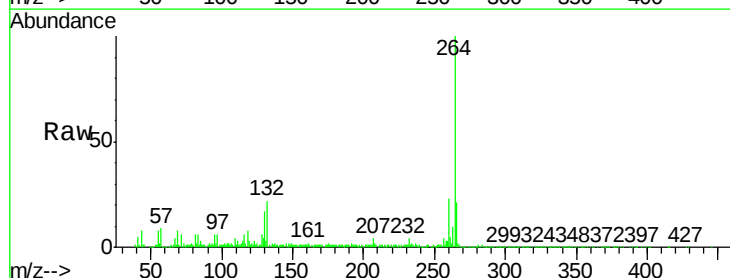


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.16 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

Tgt Ion:264 Resp: 324717
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.2 17.4 26.0



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

