

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
 Data File : BF081403.D
 Acq On : 4 Sep 2015 5:19
 Operator : UM/IZ
 Sample : G3481-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COFF-2-21(0-2)

Quant Time: Sep 04 06:03:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 04 02:03:29 2015
 Response via : Initial Calibration

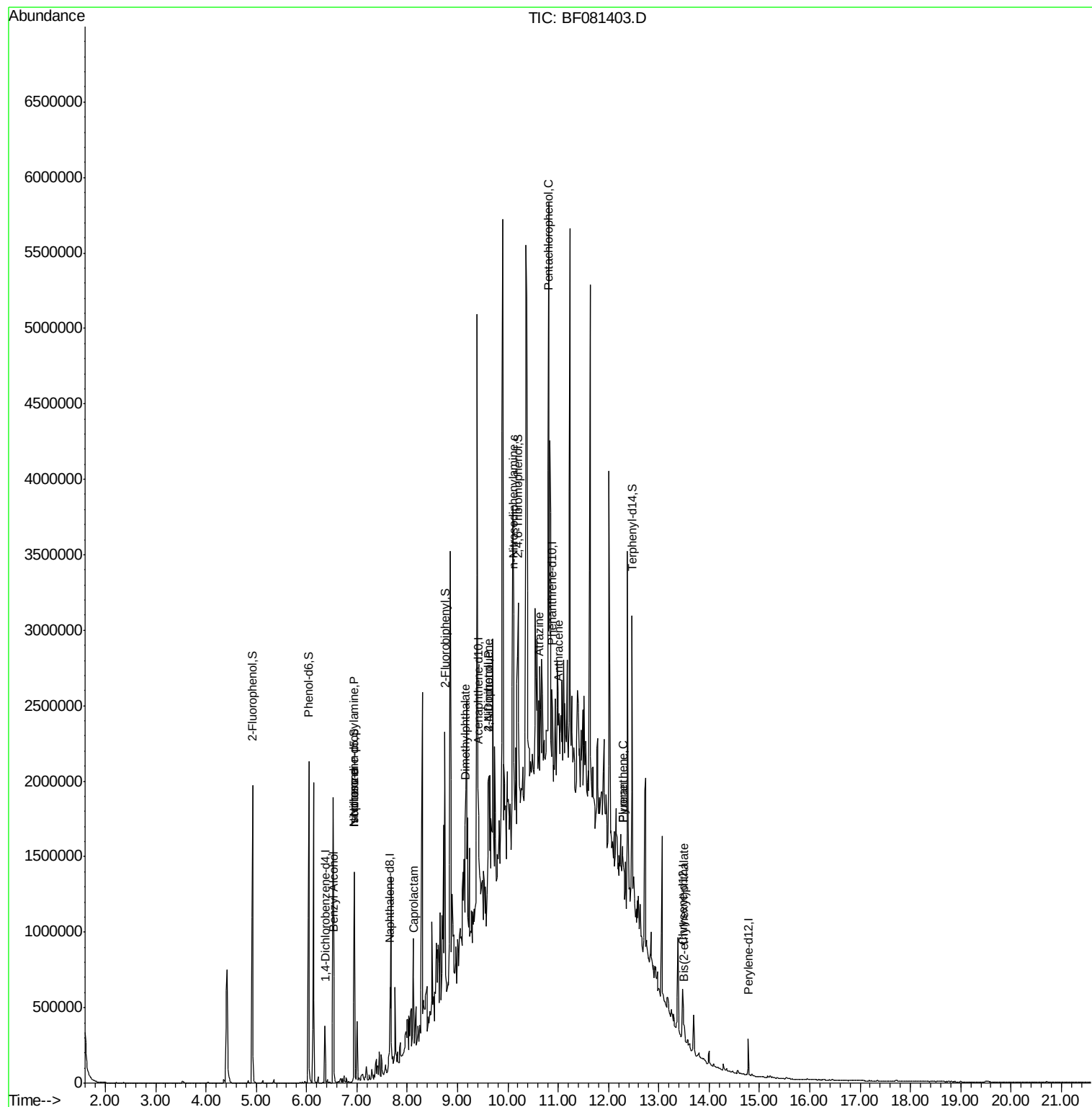
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.36	152	52724	20.00	ng	-0.01
21) Naphthalene-d8	7.66	136	197653	20.00	ng	-0.01
38) Acenaphthene-d10	9.40	164	84074	20.00	ng	0.00
63) Phenanthrene-d10	10.88	188	155946	20.00	ng	0.01
75) Chrysene-d12	13.47	240	124228	20.00	ng	0.00
86) Perylene-d12	14.78	264	89160	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.92	112	582489	171.41	ng	0.01
7) Phenol-d6	6.04	99	777445	172.84	ng	0.00
23) Nitrobenzene-d5	6.95	82	464480	113.38	ng	0.00
41) 2,4,6-Tribromophenol	10.20	330	155293	207.45	ng	0.01
44) 2-Fluorobiphenyl	8.75	172	832930	126.96	ng	0.00
78) Terphenyl-d14	12.47	244	638414	119.63	ng	0.01
Target Compounds						
15) Benzyl Alcohol	6.54	79	113839	30.85	ng	# 75
19) n-Nitroso-di-n-propylamine	6.95	70	66892	21.85	ng	# 62
25) Isophorone	6.95	82	340929	44.74	ng	# 59
35) Caprolactam	8.12	113	19650	23.07	ng	# 1
49) Dimethylphthalate	9.15	163	109856	16.82	ng	# 99
55) 4-Nitrophenol	9.62	139	3461	3.26	ng	# 1
56) 2,4-Dinitrotoluene	9.62	165	4329	2.29	ng	# 60
65) n-Nitrosodiphenylamine	10.11	169	64914	11.44	ng	# 72
68) Atrazine	10.62	200	17340	10.56	ng	# 58
69) Pentachlorophenol	10.81	266	214	8.98	ng	# 12
71) Anthracene	11.00	178	18608	2.09	ng	# 1
74) Fluoranthene	12.30	202	34115	3.63	ng	87
77) Pyrene	12.30	202	35875	3.90	ng	# 85
83) Bis(2-ethylhexyl)phthalate	13.51	149	27406	5.19	ng	# 93

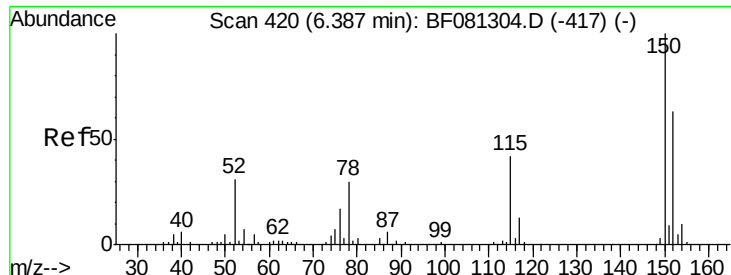
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 04 02:03:29 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Instrument :

BNA_F

ClientSampleId :

COFF-2-21(0-2)

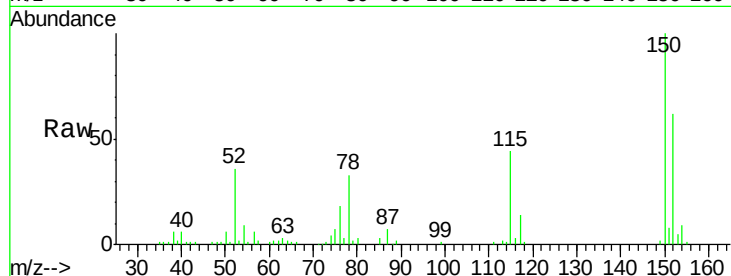
Tot Ion:152 Resp: 52724

Ion Ratio Lower Upper

152 100

150 162.1 124.7 187.1

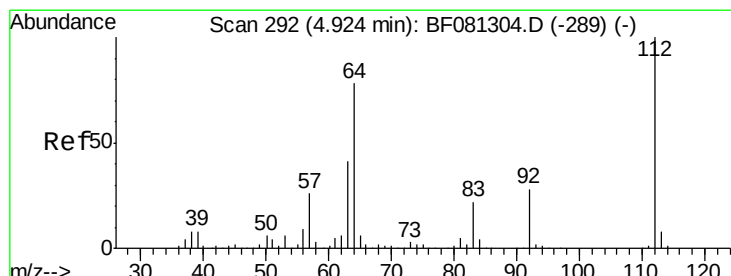
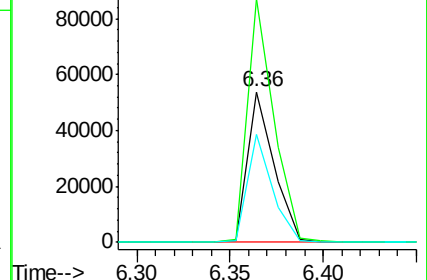
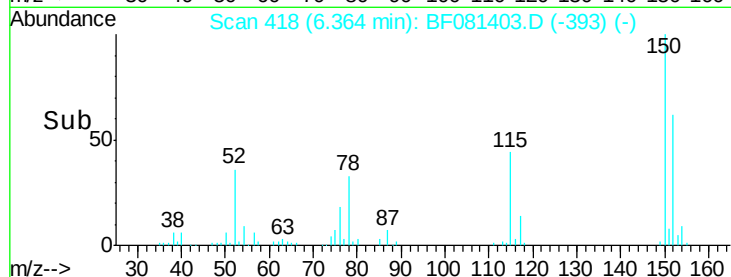
115 71.6 39.0 58.4#



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: 171.41 ng

RT: 4.92 min Scan# 292

Delta R.T. 0.01 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

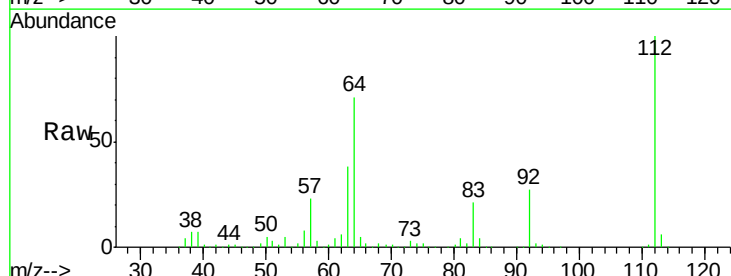
Tgt Ion:112 Resp: 582489

Ion Ratio Lower Upper

112 100

64 70.9 39.7 59.5#

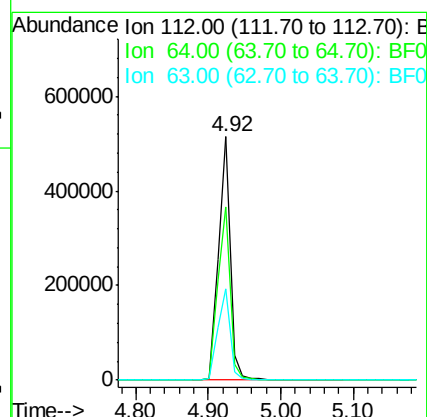
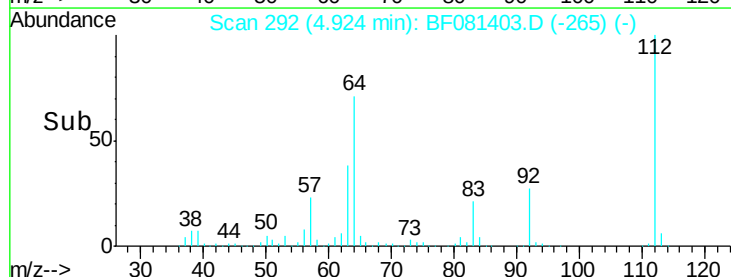
63 37.6 17.4 26.0#

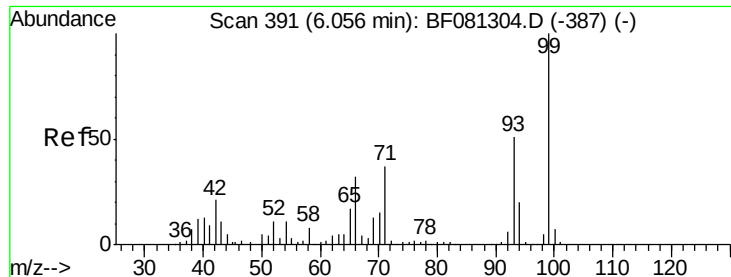


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 172.84 ng

RT: 6.04 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Instrument :

BNA_F

ClientSampleId :

COFF-2-21(0-2)

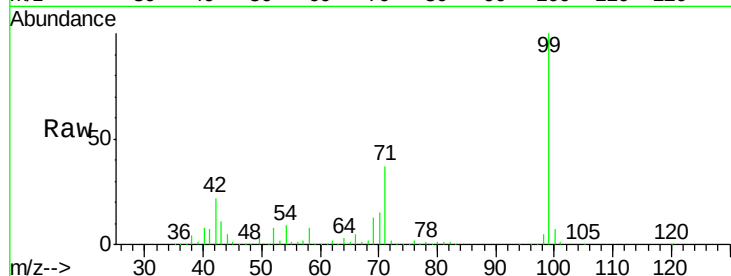
Tot Ion: 99 Resp: 777445

Ion Ratio Lower Upper

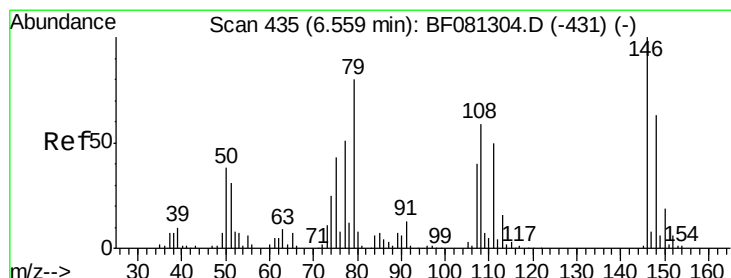
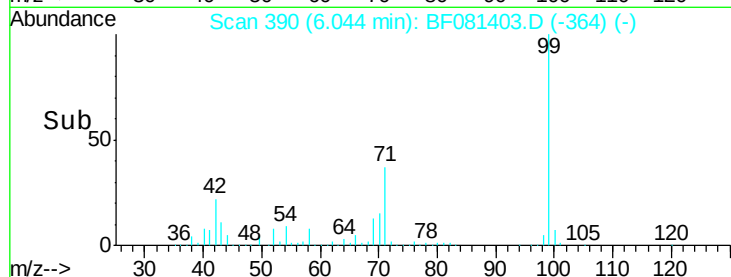
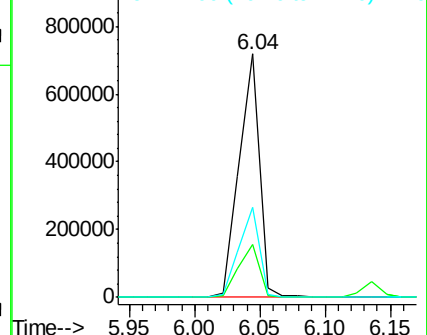
99 100

42 21.5 13.7 20.5#

71 37.0 14.2 21.2#



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: 30.85 ng

RT: 6.54 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

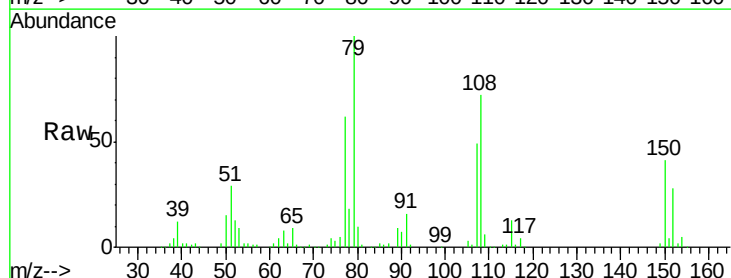
Tgt Ion: 79 Resp: 113839

Ion Ratio Lower Upper

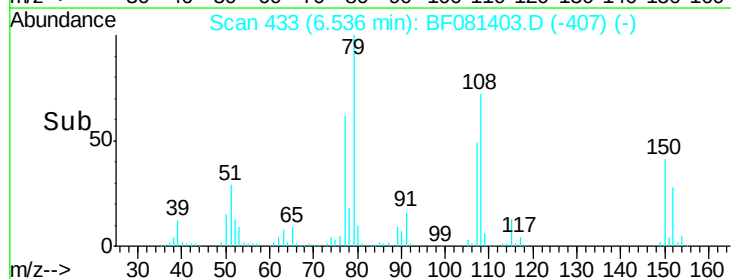
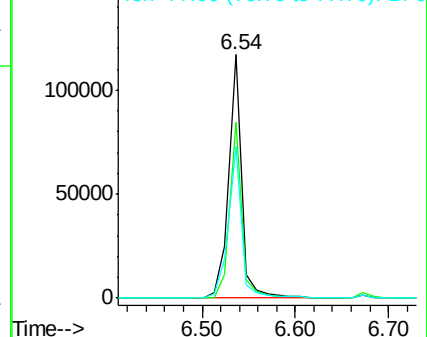
79 100

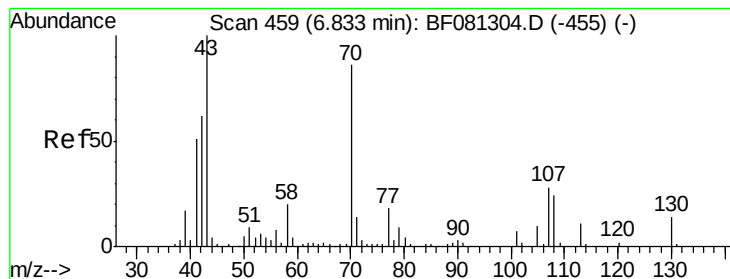
108 72.3 88.6 132.8#

77 62.4 47.0 70.4



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





#19

n-Nitroso-di-n-propylamine

Concen: 21.85 ng

RT: 6.95 min Scan# 469

Delta R.T. 0.13 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Instrument :

BNA_F

ClientSampleId :

COFF-2-21(0-2)

Tot Ion: 70 Resp: 66892

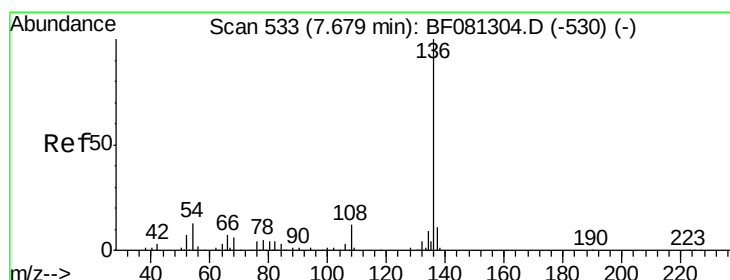
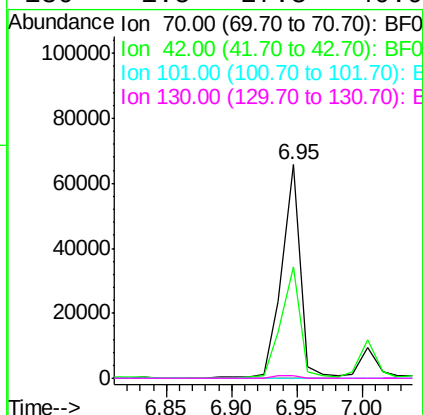
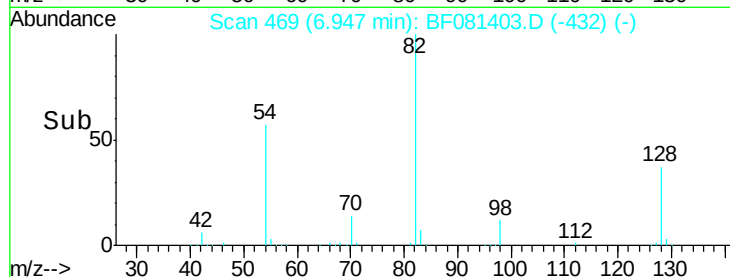
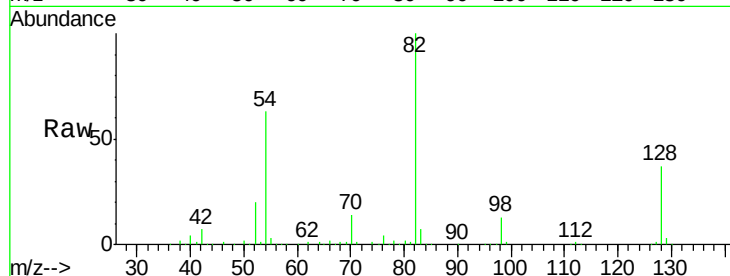
Ion Ratio Lower Upper

70 100

42 52.0 63.8 95.6#

101 0.0 9.2 13.8#

130 1.5 27.3 40.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Tgt Ion: 136 Resp: 197653

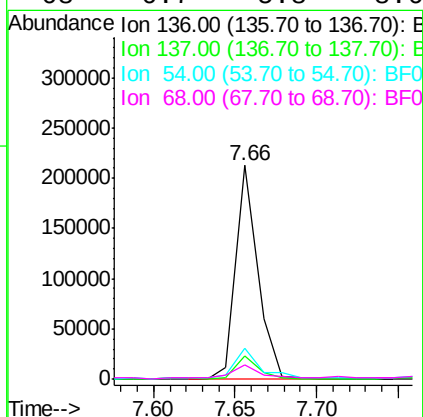
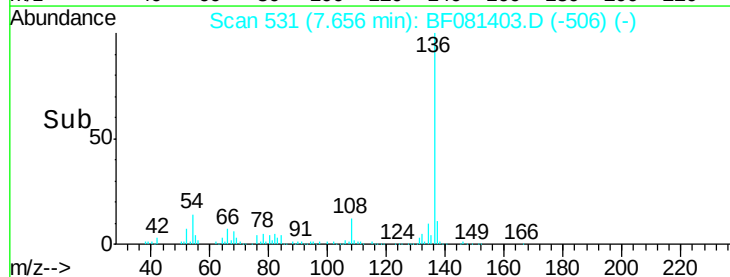
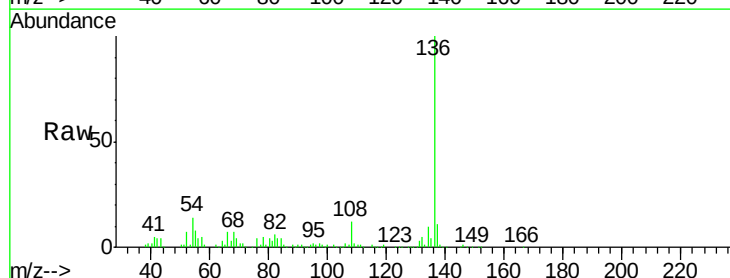
Ion Ratio Lower Upper

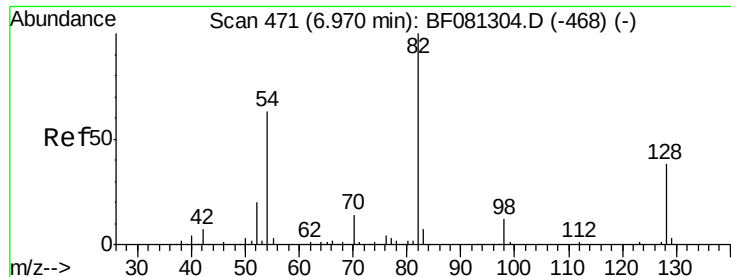
136 100

137 11.1 9.0 13.6

54 14.3 8.2 12.2#

68 6.7 5.8 8.6

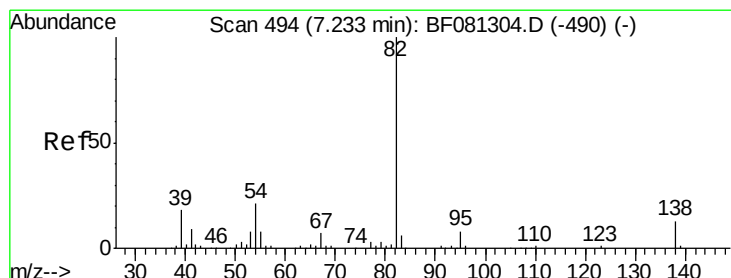
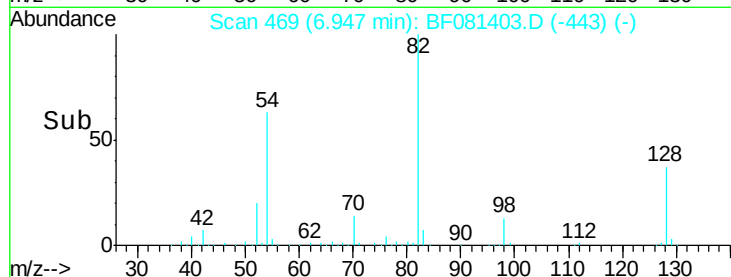
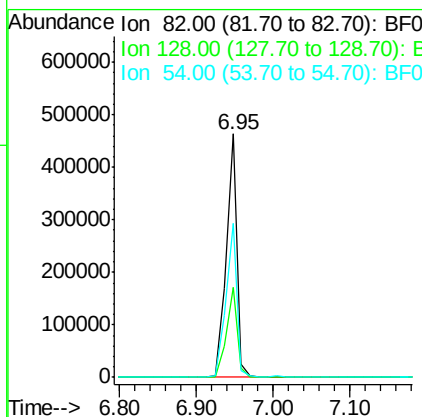
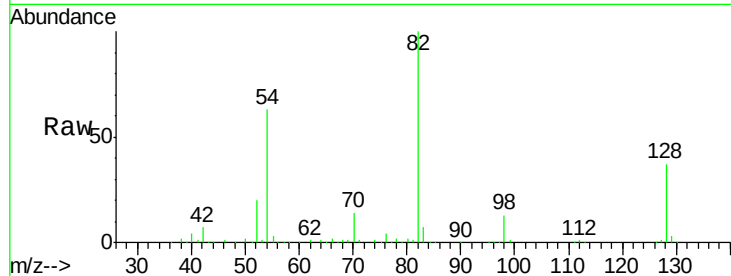




#23
 Nitrobenzene-d5
 Concen: 113.38 ng
 RT: 6.95 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: BF081403.D
 Acq: 4 Sep 2015 5:19

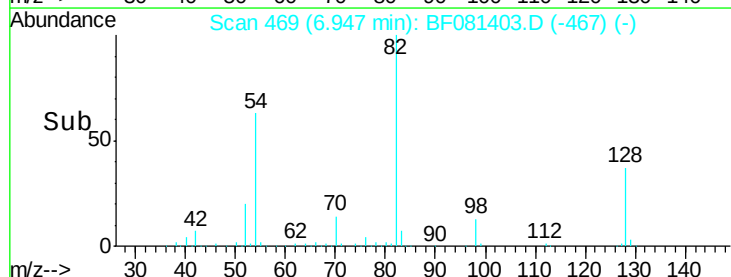
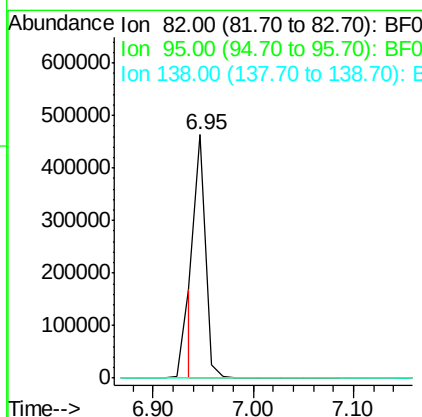
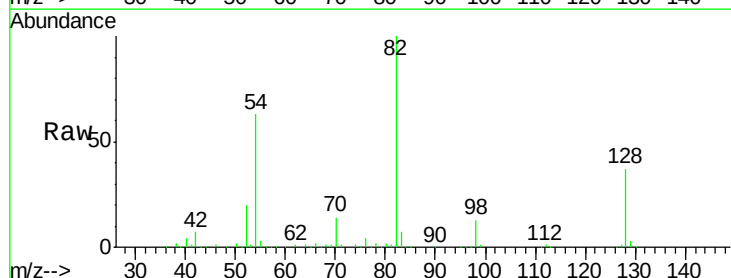
Instrument :
 BNA_F
 ClientSampleId :
 COFF-2-21(0-2)

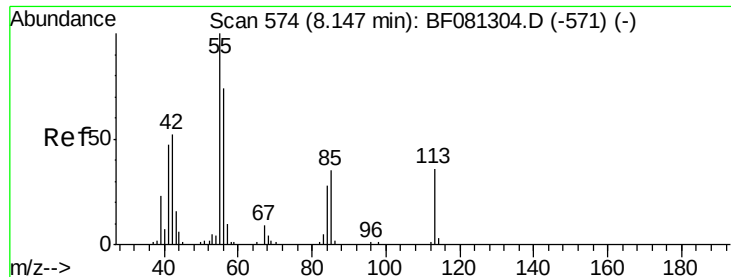
Tot Ion: 82 Resp: 464480
 Ion Ratio Lower Upper
 82 100
 128 36.9 51.0 76.6#
 54 63.2 47.5 71.3



#25
 Isophorone
 Concen: 44.74 ng
 RT: 6.95 min Scan# 469
 Delta R.T. -0.27 min
 Lab File: BF081403.D
 Acq: 4 Sep 2015 5:19

Tgt Ion: 82 Resp: 340929
 Ion Ratio Lower Upper
 82 100
 95 0.1 4.0 6.0#
 138 0.0 18.3 27.5#





#35

Caprolactam

Concen: 23.07 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.02 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Instrument :

BNA_F

ClientSampleId :

COFF-2-21(0-2)

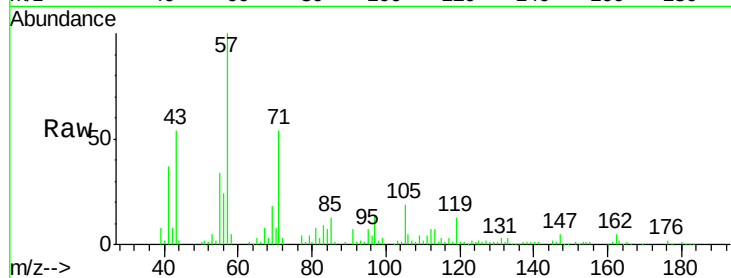
Tot Ion:113 Resp: 19650

Ion Ratio Lower Upper

113 100

55 485.5 152.4 192.4#

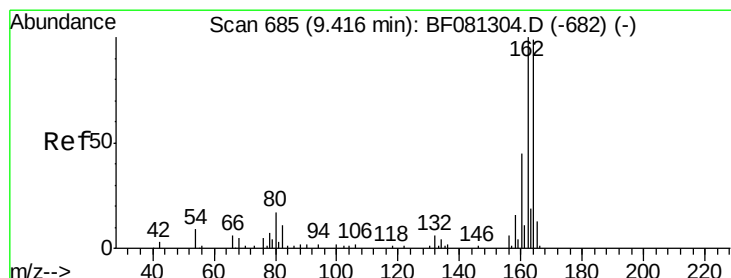
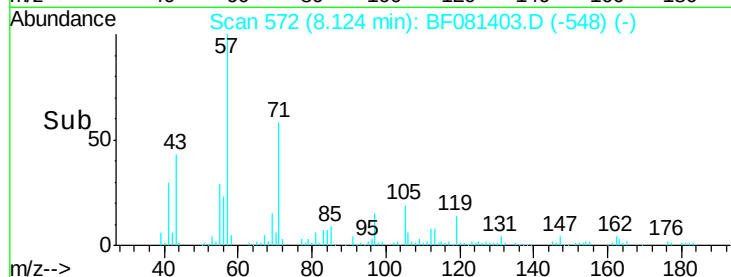
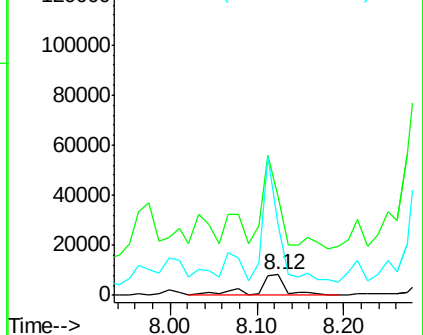
56 348.3 104.6 144.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

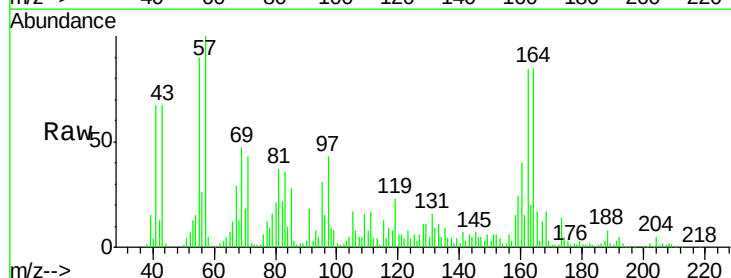
Tgt Ion:164 Resp: 84074

Ion Ratio Lower Upper

164 100

162 98.9 75.2 112.8

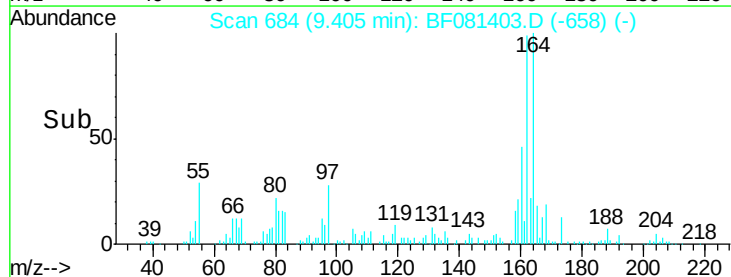
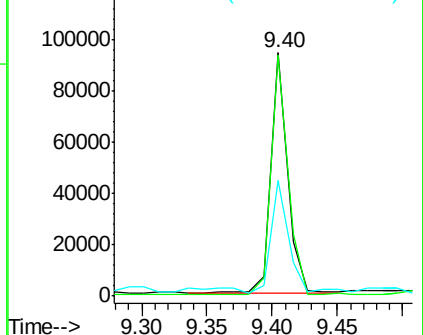
160 47.4 31.5 47.3#

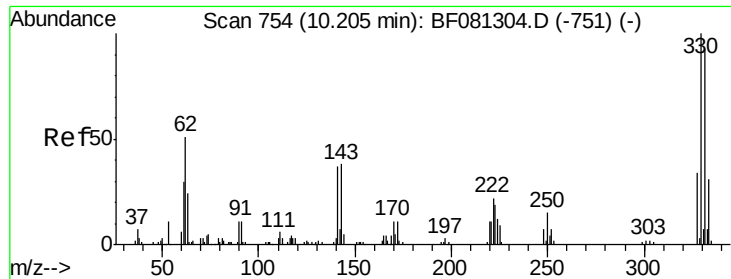


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

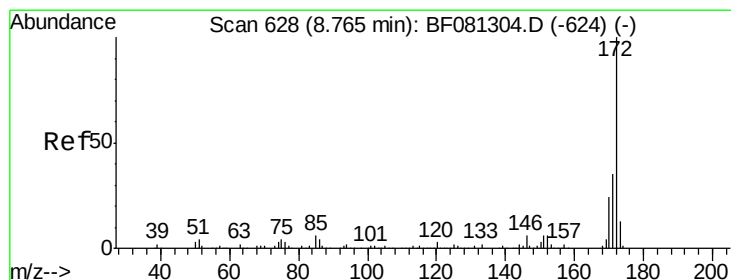
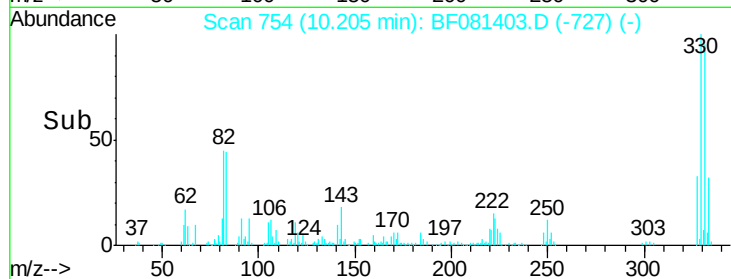
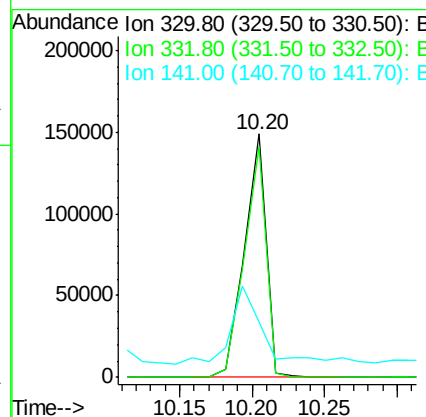
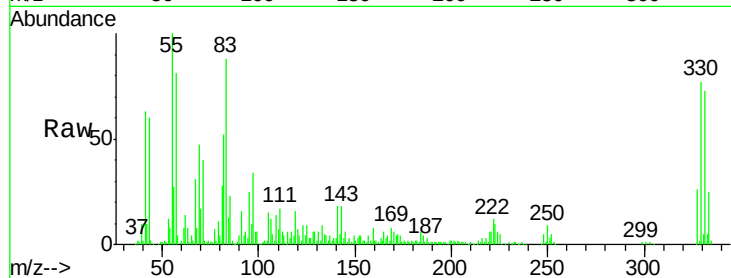




#41
 2,4,6-Tribromophenol
 Concen: 207.45 ng
 RT: 10.20 min Scan# 754
 Delta R.T. 0.01 min
 Lab File: BF081403.D
 Acq: 4 Sep 2015 5:19

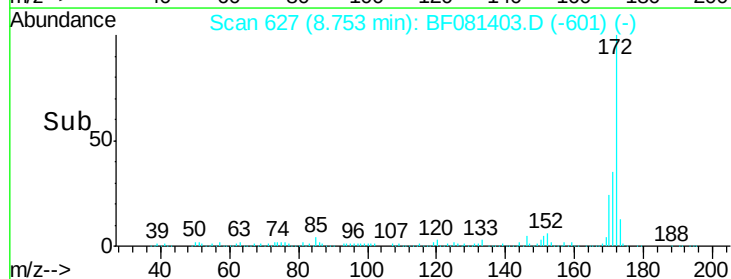
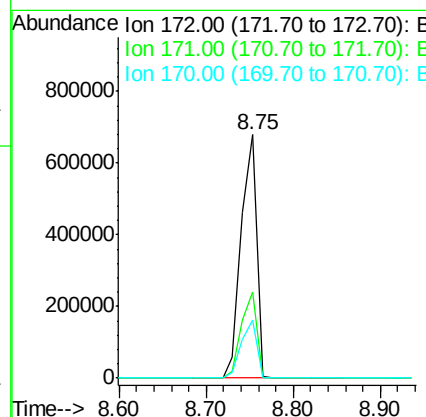
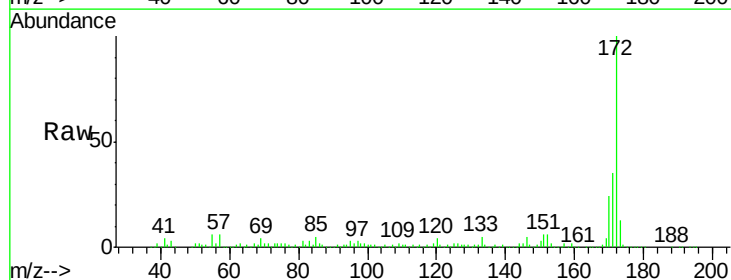
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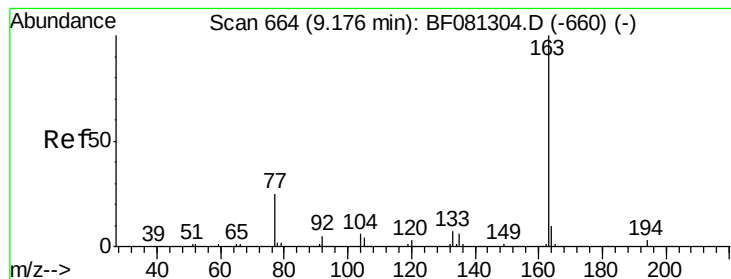
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	114.8
141	49.8	29.7	44.5



#44
 2-Fluorobiphenyl
 Concen: 126.96 ng
 RT: 8.75 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: BF081403.D
 Acq: 4 Sep 2015 5:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.1	39.1
170	23.9	17.4	26.2





#49

Dimethylphthalate

Concen: 16.82 ng

RT: 9.15 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Instrument :

BNA_F

ClientSampleId :

COFF-2-21(0-2)

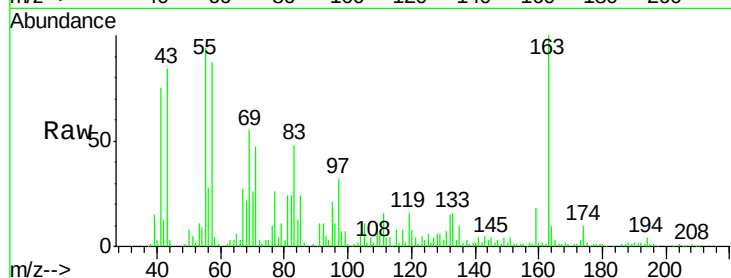
Tot Ion:163 Resp: 109856

Ion Ratio Lower Upper

163 100

194 4.2 4.4 6.6#

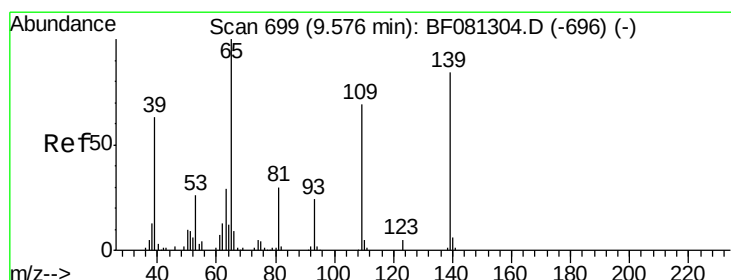
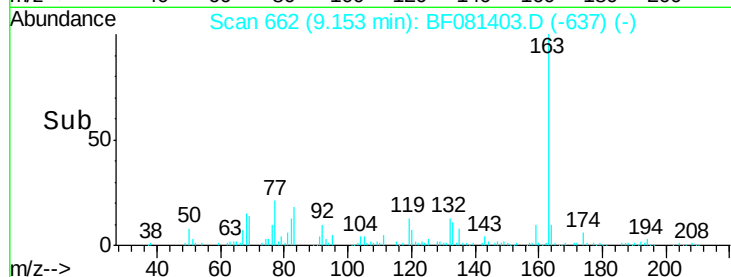
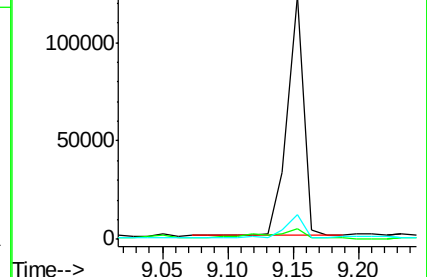
164 10.4 8.3 12.5



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



#55

4-Nitrophenol

Concen: 3.26 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.01 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

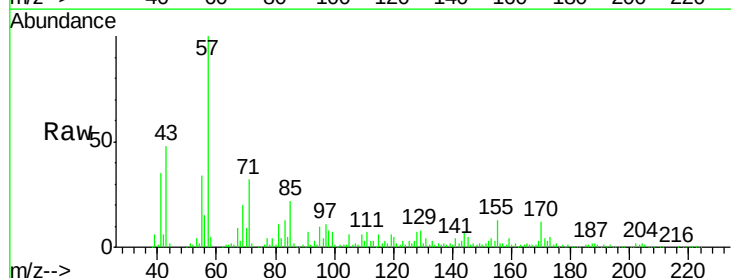
Tgt Ion:139 Resp: 3461

Ion Ratio Lower Upper

139 100

109 333.3 12.7 52.7#

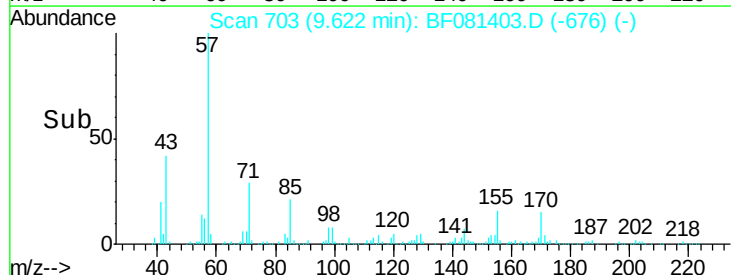
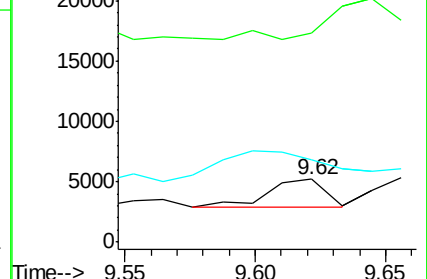
65 130.7 45.9 85.9#

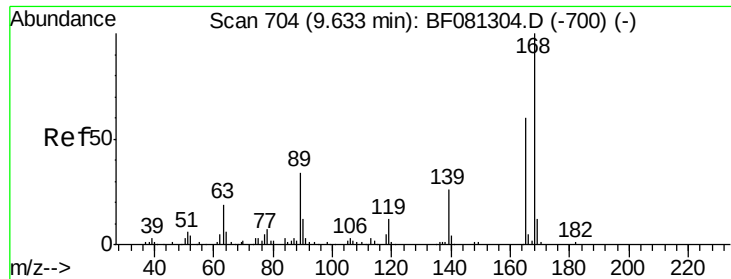


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 2.29 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.01 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Instrument :

BNA_F

ClientSampleId :

COFF-2-21(0-2)

Tot Ion:165 Resp: 4329

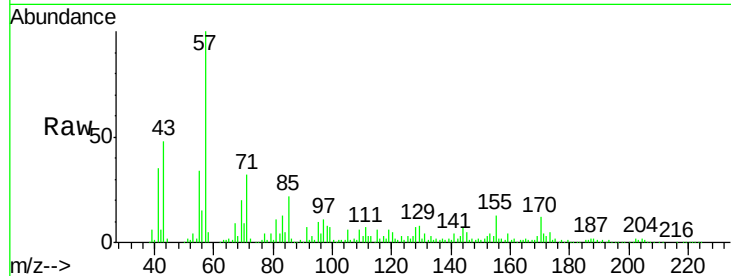
Ion Ratio Lower Upper

165 100

63 75.5 29.8 44.6#

89 38.1 44.5 66.7#

182 17.2 3.0 4.4#

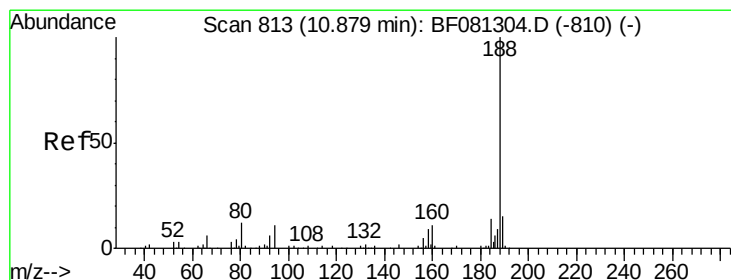
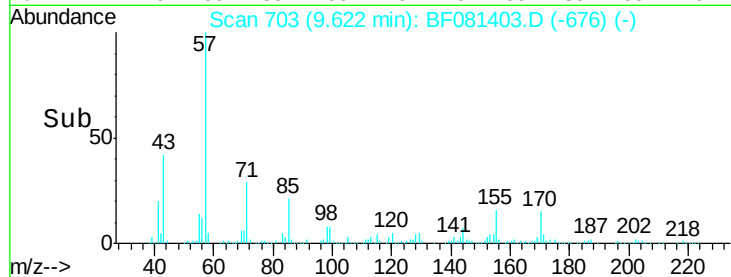
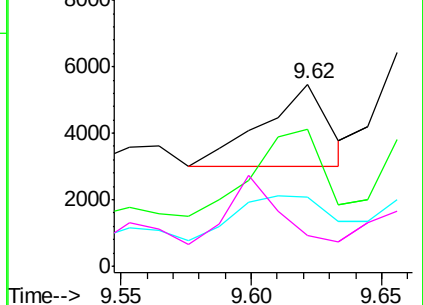


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.88 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

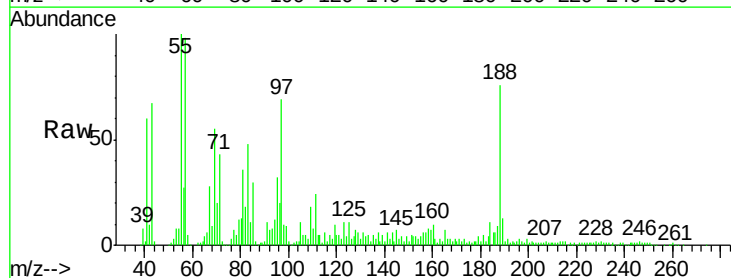
Tgt Ion:188 Resp: 155946

Ion Ratio Lower Upper

188 100

94 15.6 11.1 16.7

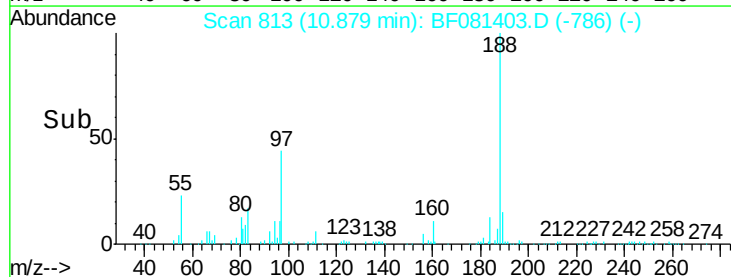
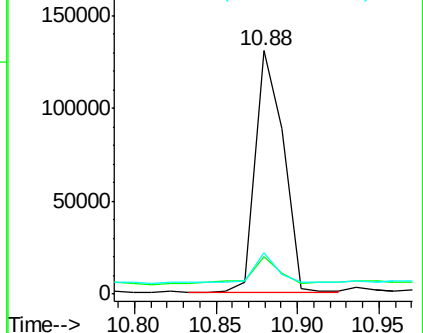
80 17.0 11.0 16.4#

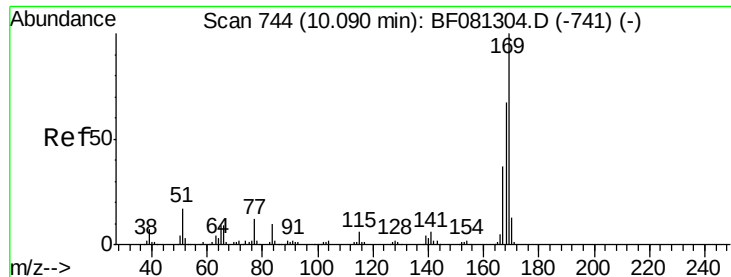


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 11.44 ng

RT: 10.11 min Scan# 746

Delta R.T. 0.03 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Instrument :

BNA_F

ClientSampleId :

COFF-2-21(0-2)

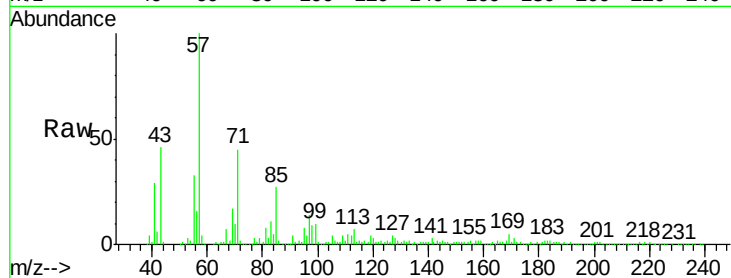
Tot Ion:169 Resp: 64914

Ion Ratio Lower Upper

169 100

168 32.3 48.9 73.3#

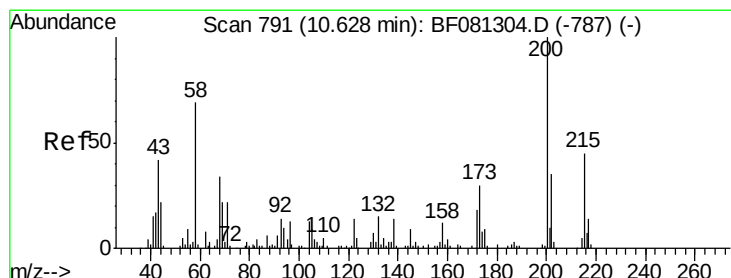
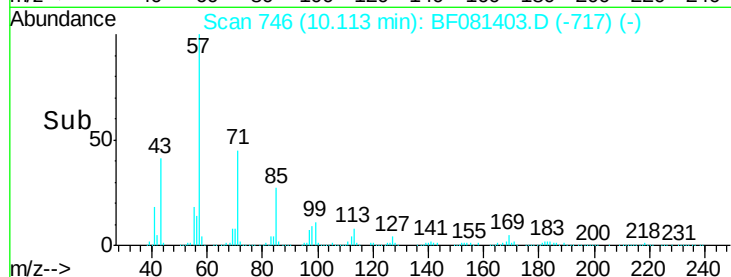
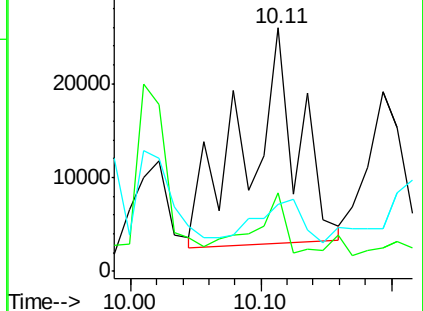
167 27.5 26.2 39.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Atrazine

Concen: 10.56 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.00 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

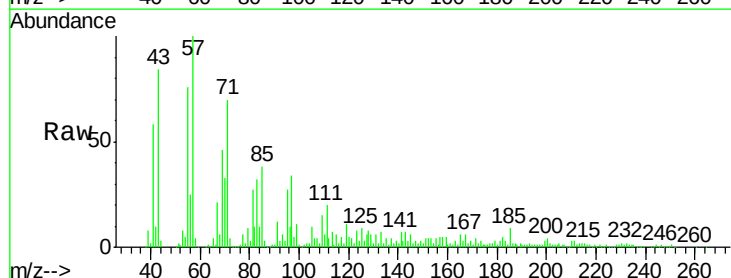
Tgt Ion:200 Resp: 17340

Ion Ratio Lower Upper

200 100

173 67.8 13.2 53.2#

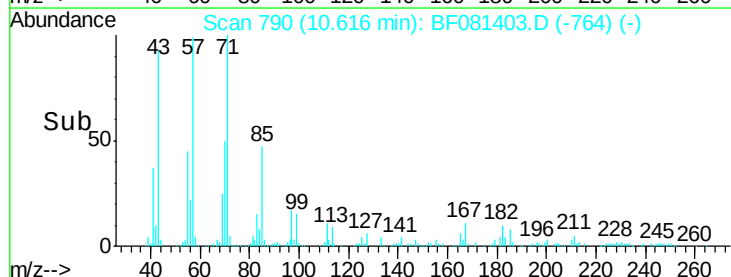
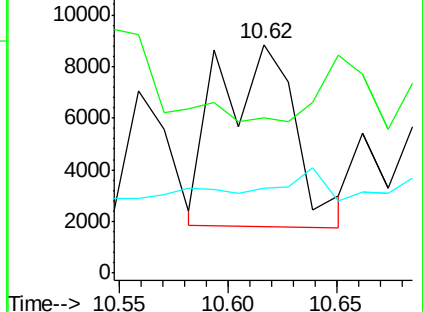
215 37.2 41.8 81.8#

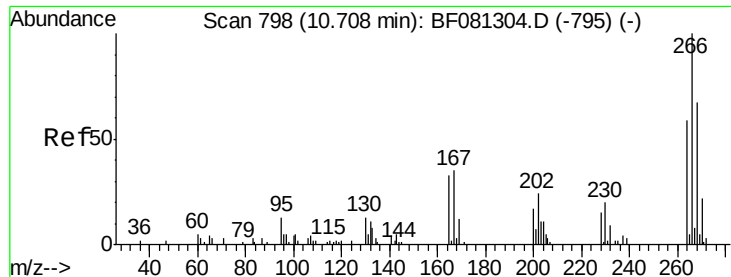


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

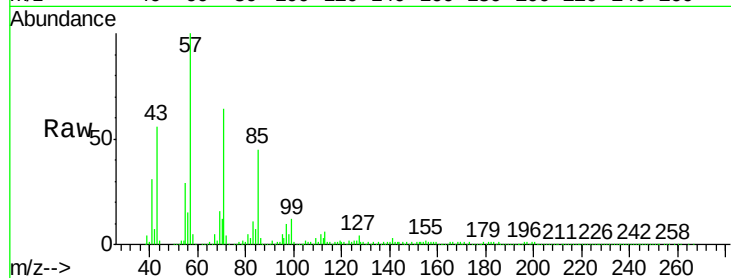




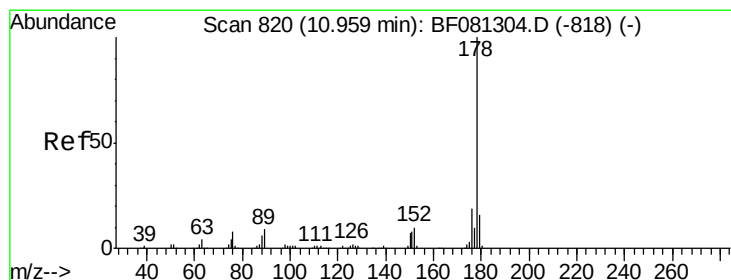
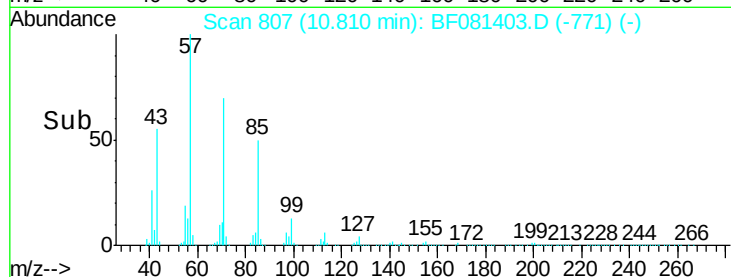
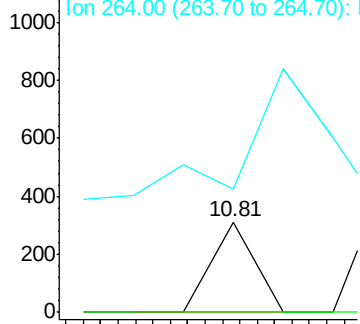
#69
 Pentachlorophenol
 Concen: 8.98 ng
 RT: 10.81 min Scan# 807
 Delta R.T. 0.11 min
 Lab File: BF081403.D
 Acq: 4 Sep 2015 5:19

Instrument :
 BNA_F
 ClientSampleId :
 COFF-2-21(0-2)

Tot Ion:266 Resp: 214
 Ion Ratio Lower Upper
 266 100
 268 0.0 49.8 74.6#
 264 136.9 50.2 75.2#

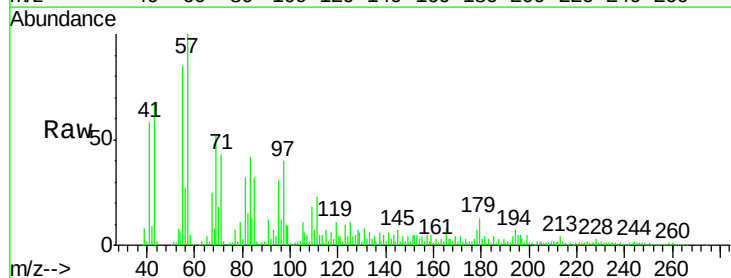


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

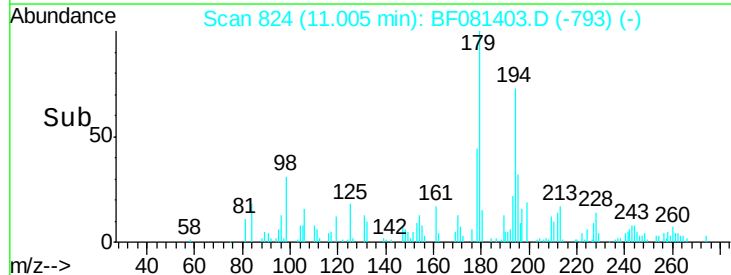
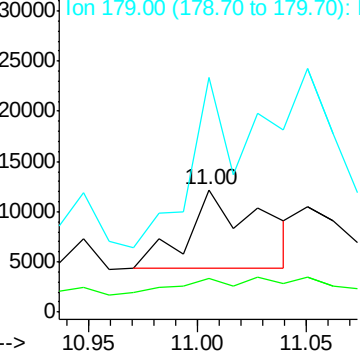


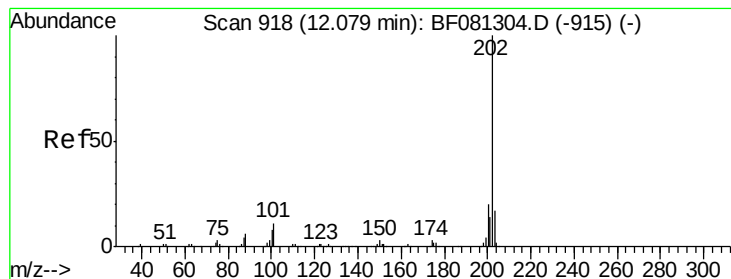
#71
 Anthracene
 Concen: 2.09 ng
 RT: 11.00 min Scan# 824
 Delta R.T. 0.06 min
 Lab File: BF081403.D
 Acq: 4 Sep 2015 5:19

Tgt Ion:178 Resp: 18608
 Ion Ratio Lower Upper
 178 100
 176 27.1 14.1 21.1#
 179 192.3 12.2 18.2#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.63 ng

RT: 12.30 min Scan# 937

Delta R.T. 0.23 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Instrument :

BNA_F

ClientSampleId :

COFF-2-21(0-2)

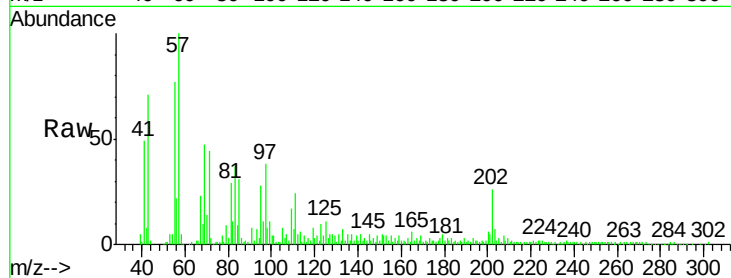
Tot Ion:202 Resp: 34115

Ion Ratio Lower Upper

202 100

101 14.8 0.0 38.3

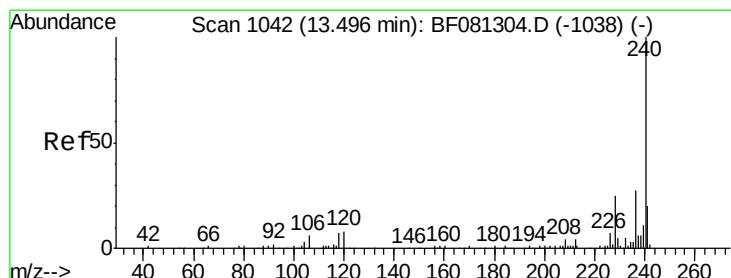
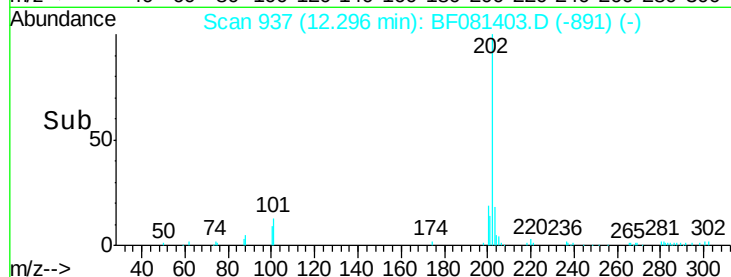
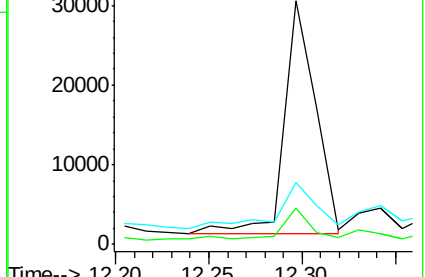
203 25.2 0.0 37.3



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: 13.47 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

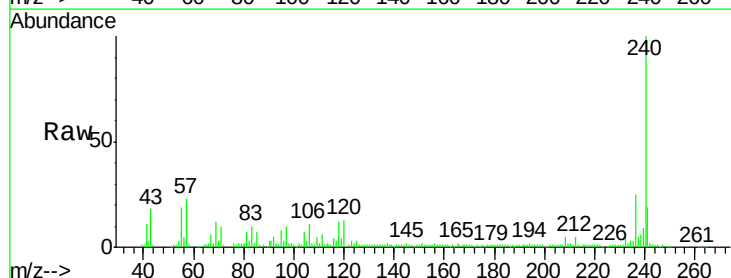
Tgt Ion:240 Resp: 124228

Ion Ratio Lower Upper

240 100

120 13.3 16.2 24.2#

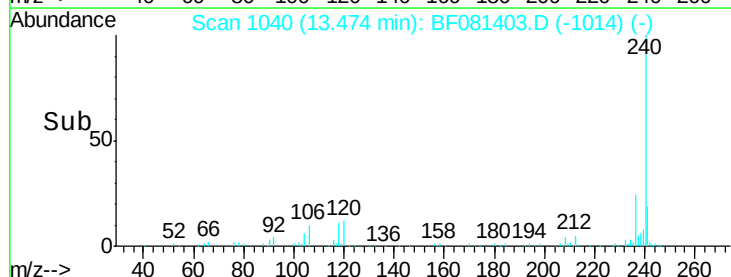
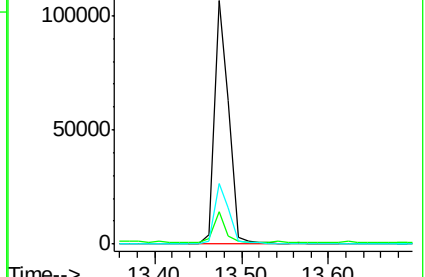
236 24.9 18.4 27.6

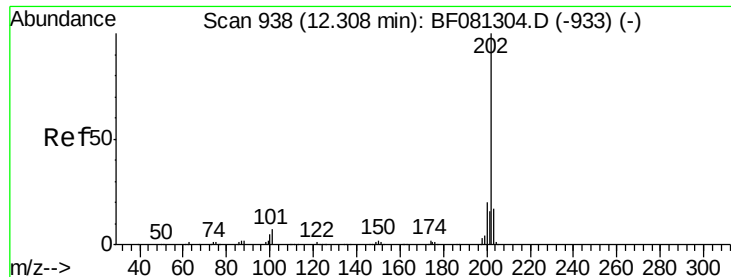


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.90 ng

RT: 12.30 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

Instrument :

BNA_F

ClientSampleId :

COFF-2-21(0-2)

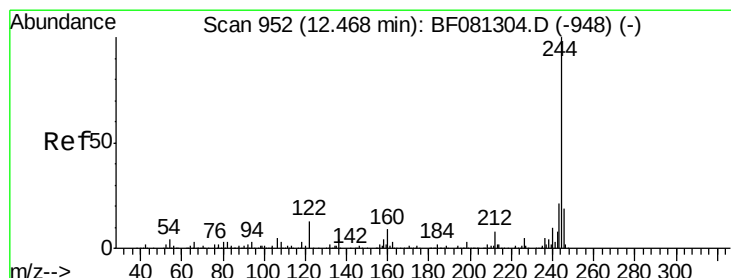
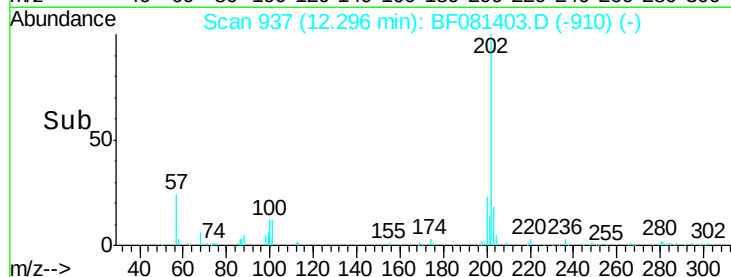
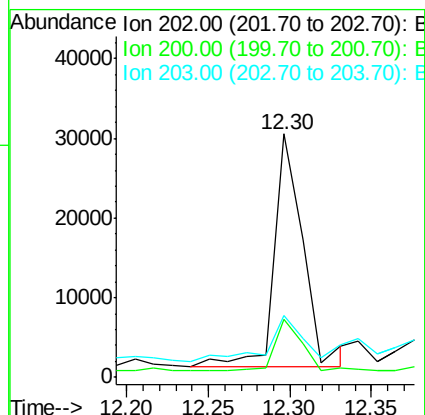
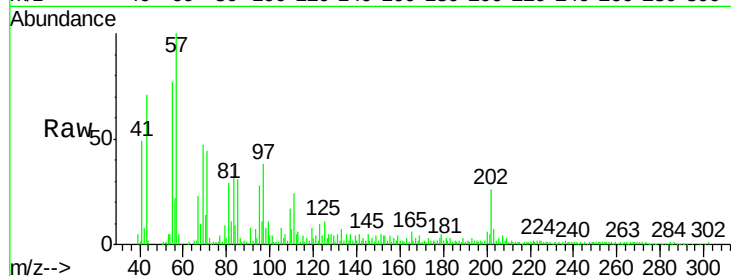
Tot Ion:202 Resp: 35875

Ion Ratio Lower Upper

202 100

200 24.1 15.0 22.4#

203 25.2 14.1 21.1#



#78

Terphenyl-d14

Concen: 119.63 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.01 min

Lab File: BF081403.D

Acq: 4 Sep 2015 5:19

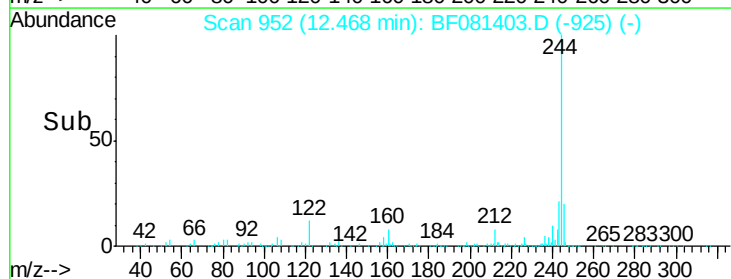
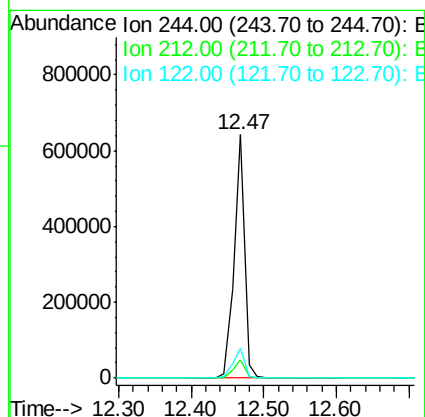
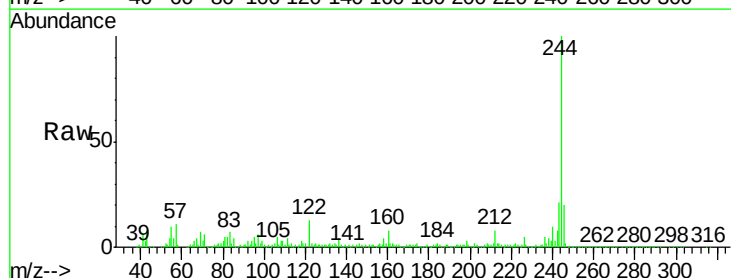
Tgt Ion:244 Resp: 638414

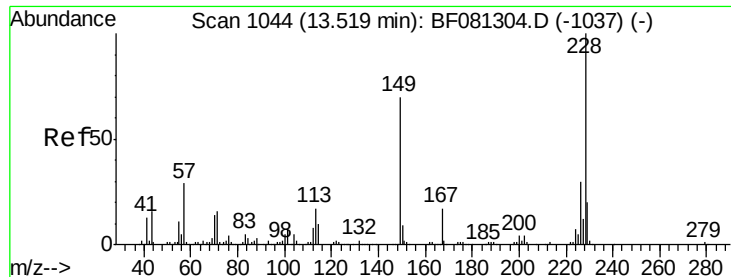
Ion Ratio Lower Upper

244 100

212 7.7 4.3 6.5#

122 12.5 17.4 26.2#

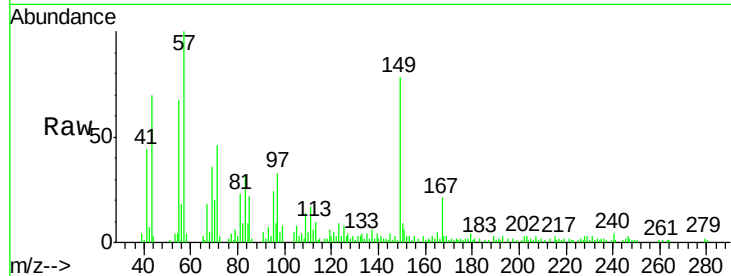




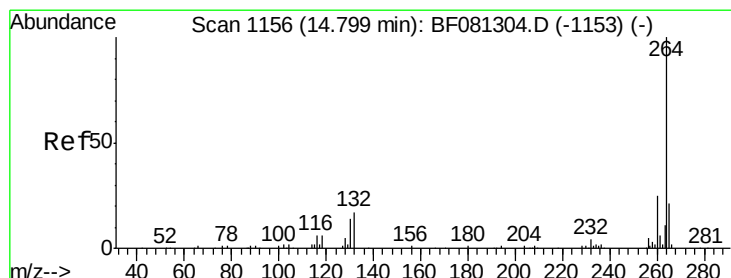
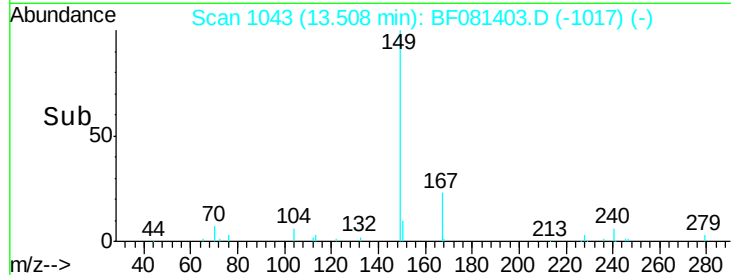
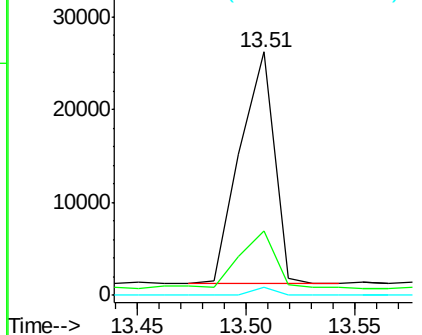
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.19 ng
 RT: 13.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF081403.D
 Acq: 4 Sep 2015 5:19

Instrument :
 BNA_F
 ClientSampleId :
 COFF-2-21(0-2)

Tot Ion:149 Resp: 27406
 Ion Ratio Lower Upper
 149 100
 167 26.3 24.2 36.2
 279 3.1 3.8 5.6#

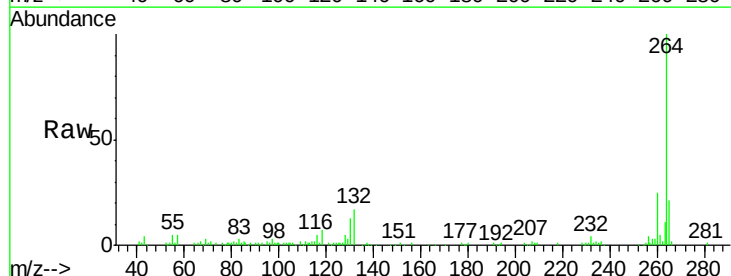


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.78 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF081403.D
 Acq: 4 Sep 2015 5:19

Tgt Ion:264 Resp: 89160
 Ion Ratio Lower Upper
 264 100
 260 24.6 16.7 25.1
 265 21.2 17.2 25.8



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

