

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090215\
 Data File : BF081371.D
 Acq On : 3 Sep 2015 2:56
 Operator : UM/IZ
 Sample : G3490-02 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6TPA(3.5-4)

Quant Time: Sep 03 04:02:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

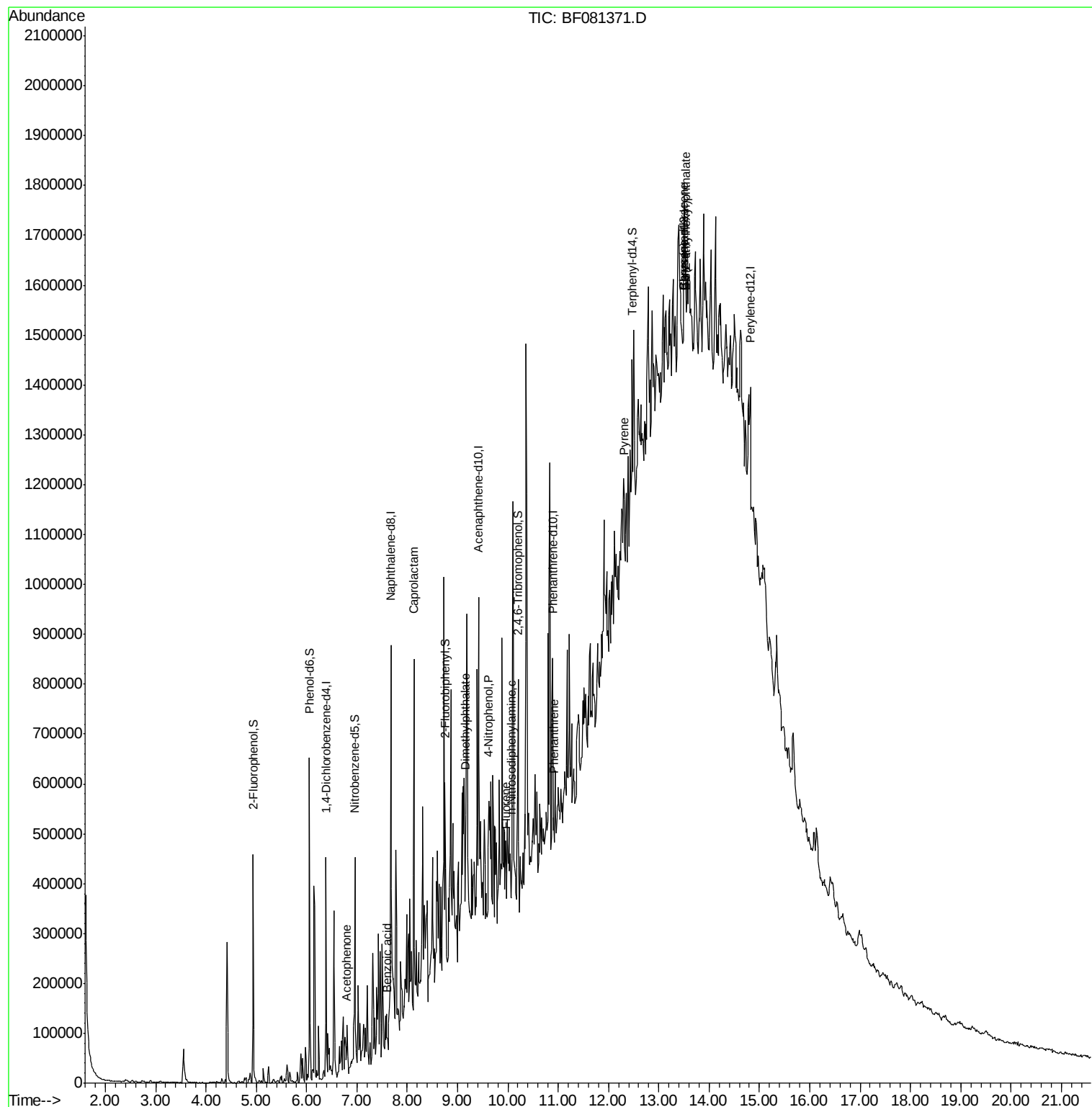
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	59318	20.00	ng	0.00
21) Naphthalene-d8	7.68	136	232900	20.00	ng	0.00
38) Acenaphthene-d10	9.42	164	91806	20.00	ng	0.00
63) Phenanthrene-d10	10.89	188	172111	20.00	ng	0.01
75) Chrysene-d12	13.51	240	106203	20.00	ng	0.01
86) Perylene-d12	14.82	264	82772	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.94	112	125737	32.89	ng	0.01
7) Phenol-d6	6.06	99	185538	36.66	ng	0.00
23) Nitrobenzene-d5	6.96	82	113012	23.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.20	330	27833	34.05	ng	0.00
44) 2-Fluorobiphenyl	8.75	172	137415	19.18	ng	-0.01
78) Terphenyl-d14	12.47	244	91695	20.10	ng	0.00
Target Compounds						Qvalue
22) Acetophenone	6.80	105	14536	2.29	ng	# 48
32) Benzoic acid	7.60	122	272	2.64	ng	# 1
35) Caprolactam	8.14	113	11748	11.71	ng	# 1
49) Dimethylphthalate	9.16	163	27058	3.79	ng	# 96
55) 4-Nitrophenol	9.62	139	5642	4.87	ng	# 59
57) Fluorene	9.96	166	18501	2.71	ng	# 59
65) n-Nitrosodiphenylamine	10.08	169	31542	5.04	ng	# 50
70) Phenanthrene	10.91	178	36003	3.76	ng	# 86
77) Pyrene	12.31	202	31006	3.94	ng	# 92
80) Benzo(a)anthracene	13.50	228	17911	2.65	ng	# 78
82) Chrysene	13.50	228	17911	2.95	ng	# 80
83) Bis(2-ethylhexyl)phthalate	13.53	149	53261	11.80	ng	# 94

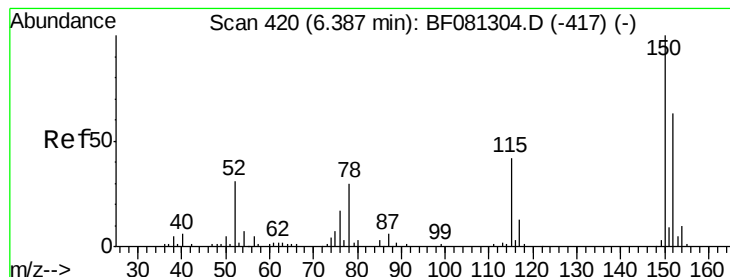
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

Instrument :

BNA_F

ClientSampleId :

6TPA(3.5-4)

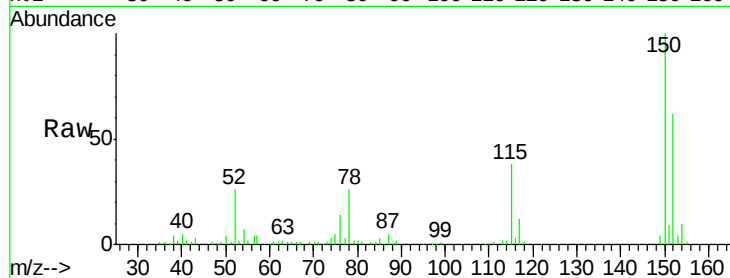
Tot Ion:152 Resp: 59318

Ion Ratio Lower Upper

152 100

150 161.0 124.7 187.1

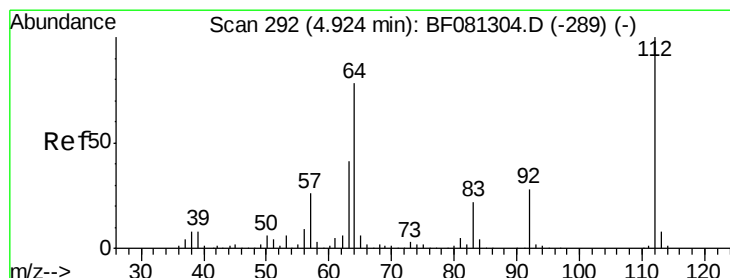
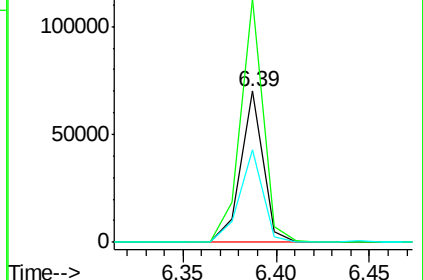
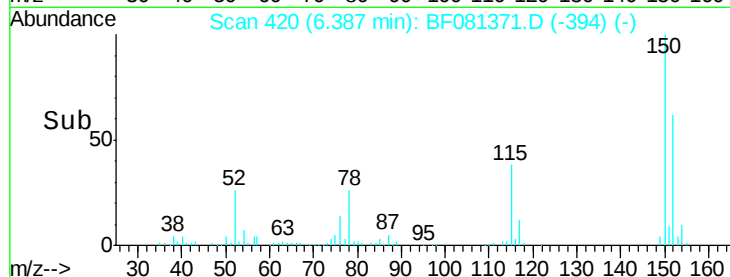
115 61.4 39.0 58.4#



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: 32.89 ng

RT: 4.94 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

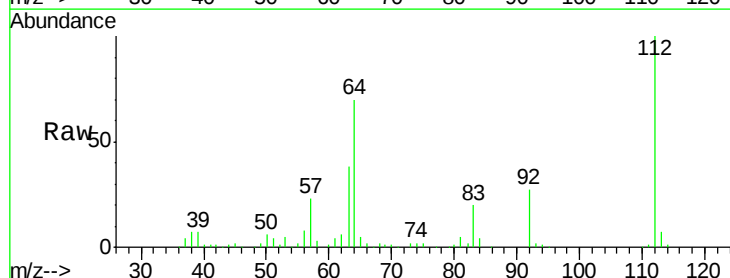
Tgt Ion:112 Resp: 125737

Ion Ratio Lower Upper

112 100

64 69.7 39.7 59.5#

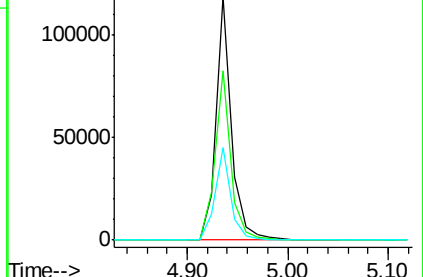
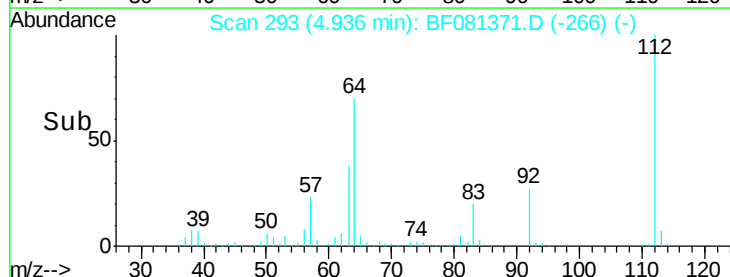
63 38.1 17.4 26.0#

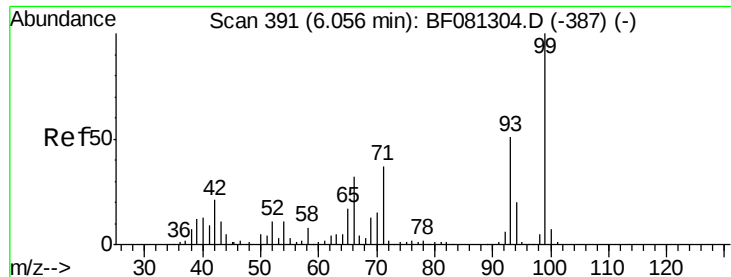


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.66 ng

RT: 6.06 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

Instrument :

BNA_F

ClientSampleId :

6TPA(3.5-4)

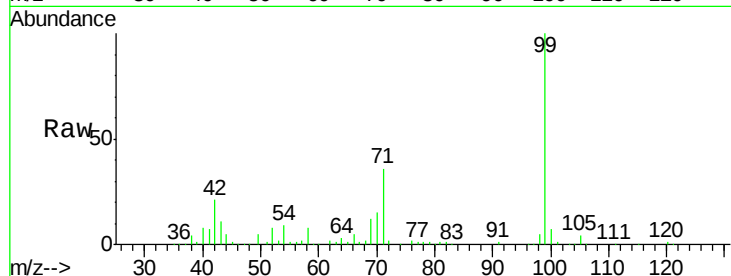
Tot Ion: 99 Resp: 185538

Ion Ratio Lower Upper

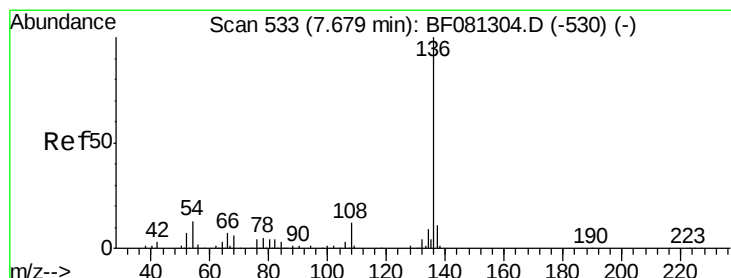
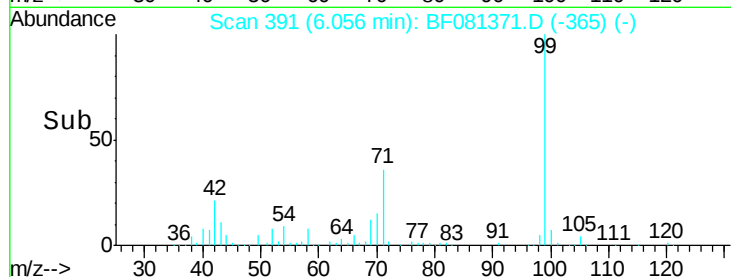
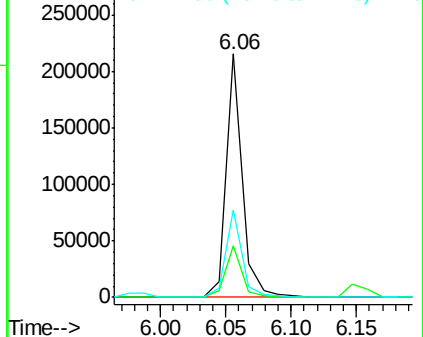
99 100

42 21.4 13.7 20.5#

71 36.0 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

Tgt Ion: 136 Resp: 232900

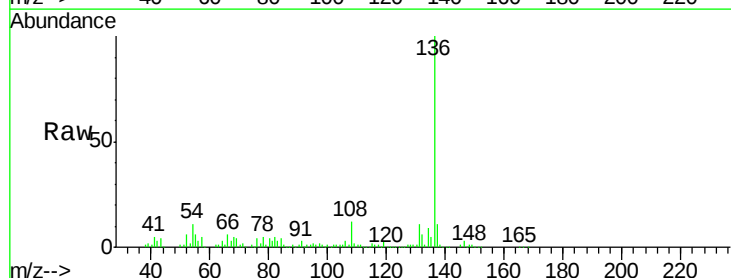
Ion Ratio Lower Upper

136 100

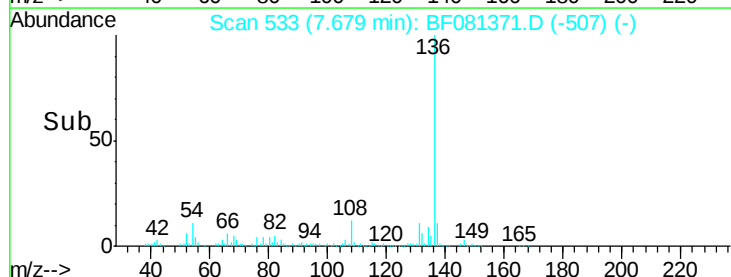
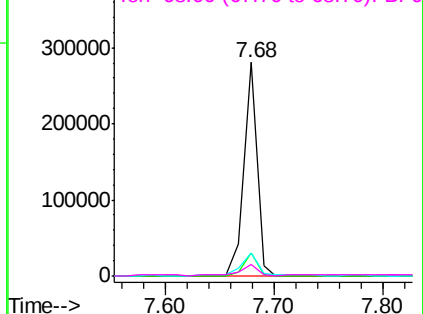
137 10.8 9.0 13.6

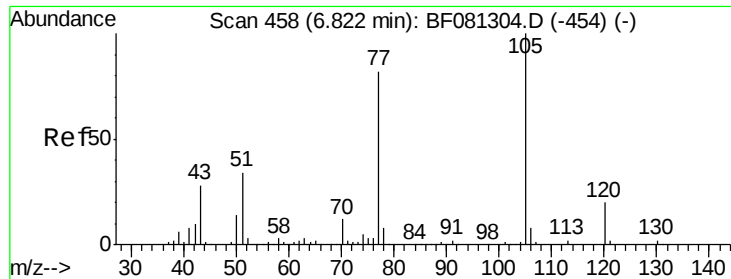
54 11.0 8.2 12.2

68 5.4 5.8 8.6#



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





#22

Acetophenone

Concen: 2.29 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

Instrument :

BNA_F

ClientSampleId :

6TPA(3.5-4)

Tot Ion:105 Resp: 14536

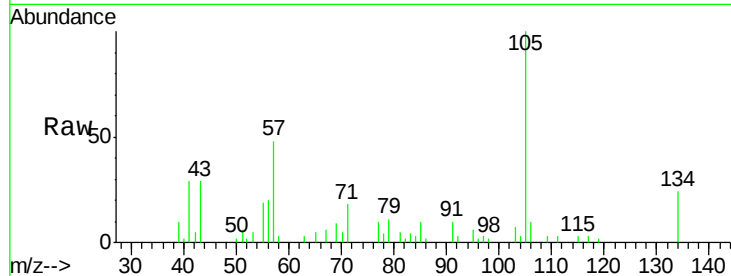
Ion Ratio Lower Upper

105 100

71 18.3 4.7 7.1#

51 5.9 22.0 33.0#

120 0.0 30.1 45.1#

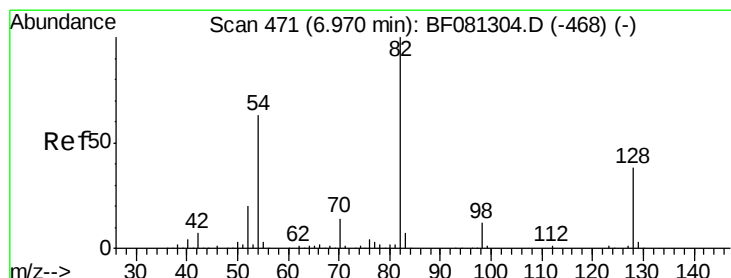
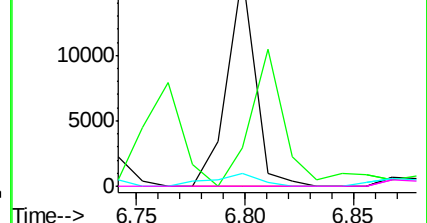
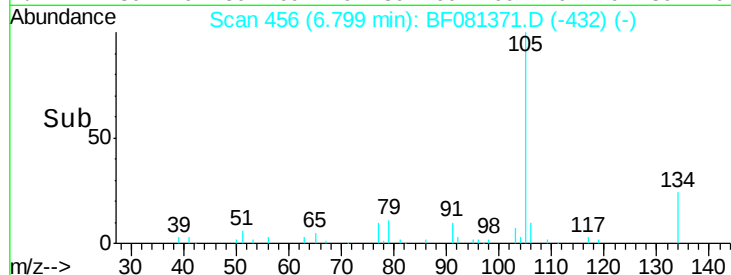


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 23.41 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

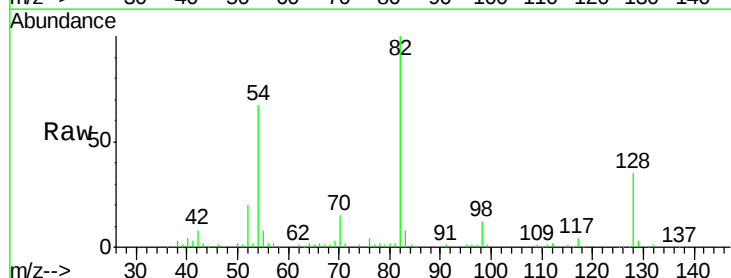
Tgt Ion: 82 Resp: 113012

Ion Ratio Lower Upper

82 100

128 35.4 51.0 76.6#

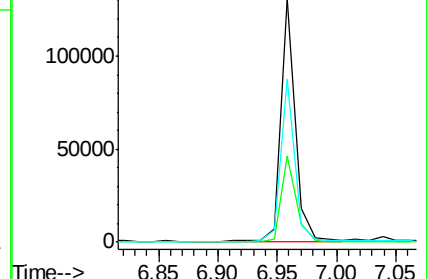
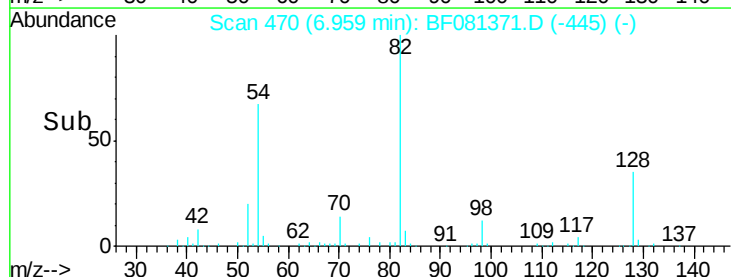
54 66.7 47.5 71.3

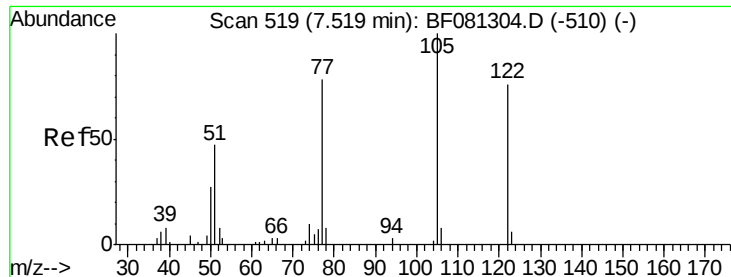


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 2.64 ng

RT: 7.60 min Scan# 526

Delta R.T. 0.08 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

Instrument :

BNA_F

ClientSampleId :

6TPA(3.5-4)

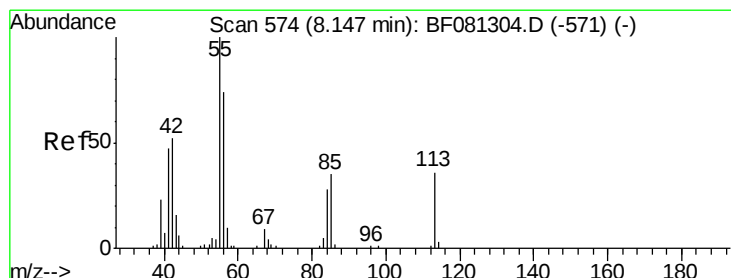
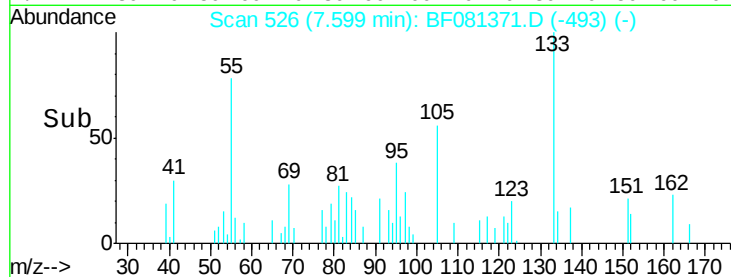
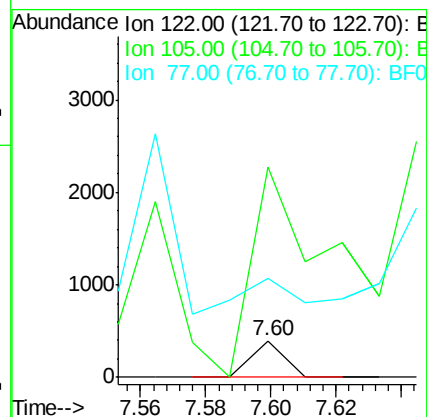
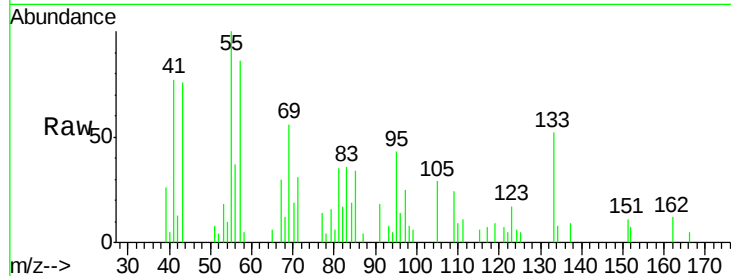
Tot Ion:122 Resp: 272

Ion Ratio Lower Upper

122 100

105 573.5 76.1 116.1#

77 270.7 40.5 80.5#



#35

Caprolactam

Concen: 11.71 ng

RT: 8.14 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

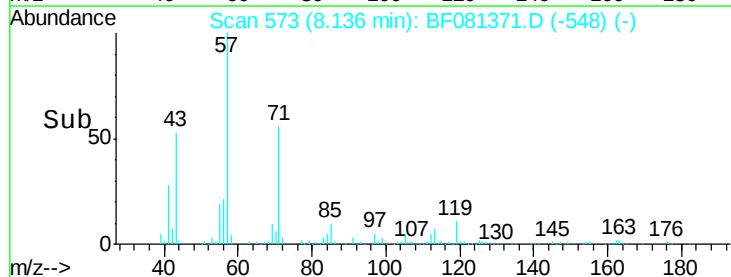
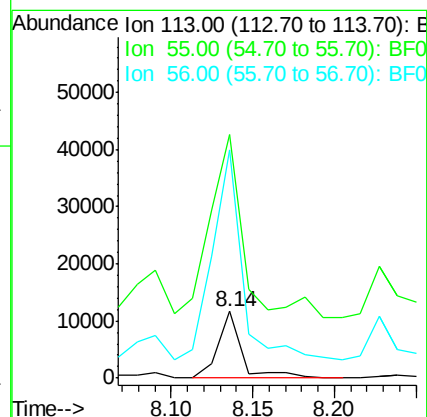
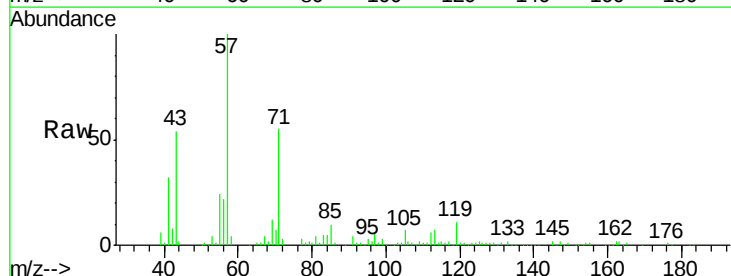
Tgt Ion:113 Resp: 11748

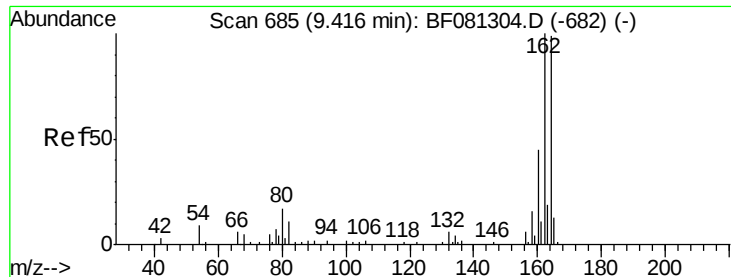
Ion Ratio Lower Upper

113 100

55 363.7 152.4 192.4#

56 341.8 104.6 144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

Instrument :

BNA_F

ClientSampleId :

6TPA(3.5-4)

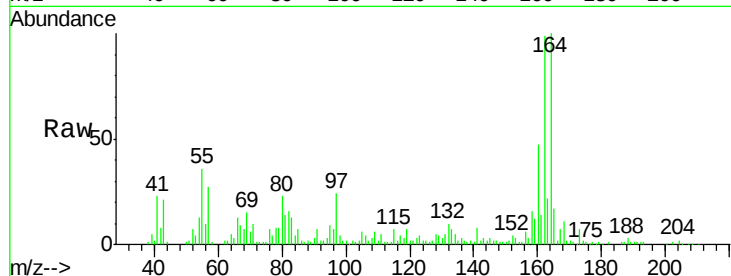
Tot Ion:164 Resp: 91806

Ion Ratio Lower Upper

164 100

162 99.1 75.2 112.8

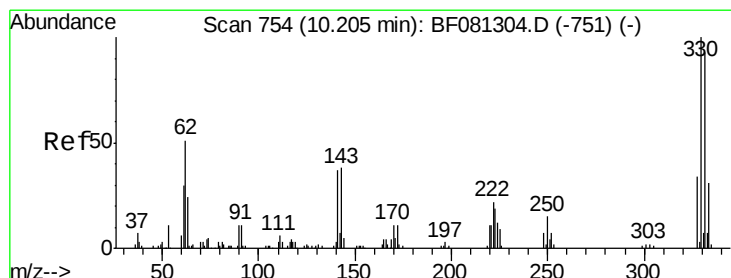
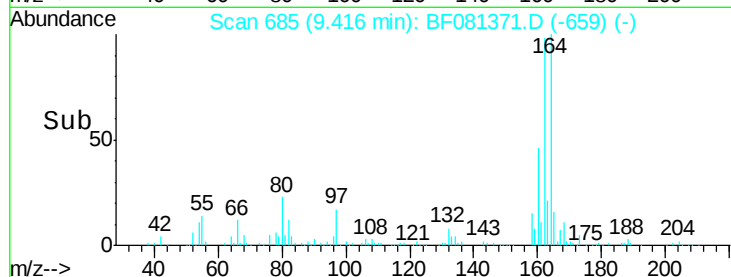
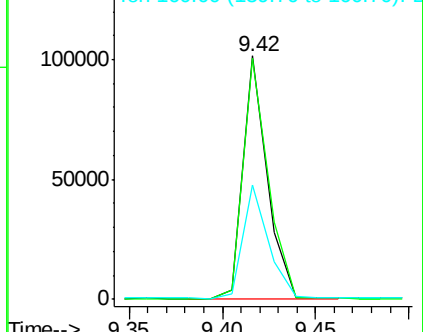
160 46.9 31.5 47.3



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: 34.05 ng

RT: 10.20 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

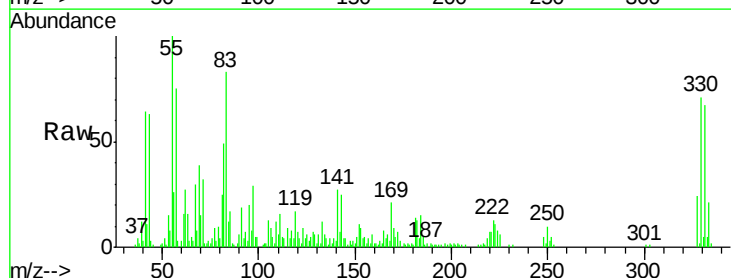
Tgt Ion:330 Resp: 27833

Ion Ratio Lower Upper

330 100

332 94.7 76.6 114.8

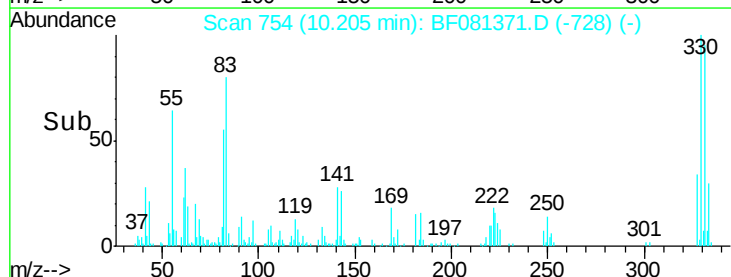
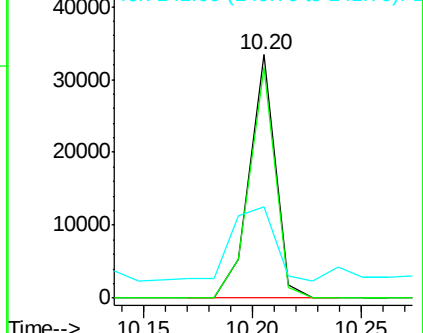
141 50.1 29.7 44.5#

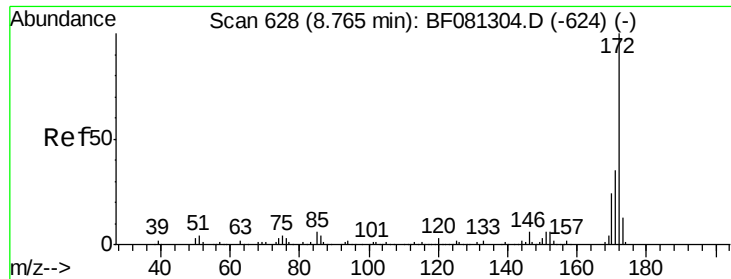


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 19.18 ng

RT: 8.75 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

Instrument :

BNA_F

ClientSampleId :

6TPA(3.5-4)

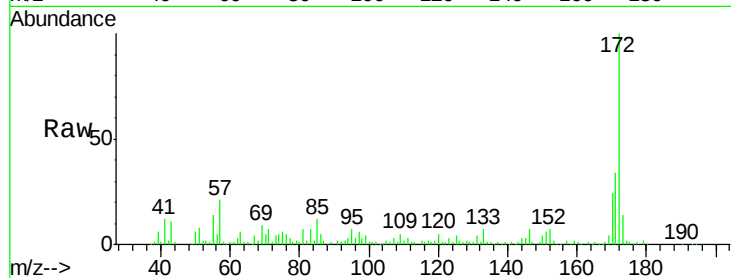
Tot Ion:172 Resp: 137415

Ion Ratio Lower Upper

172 100

171 34.4 26.1 39.1

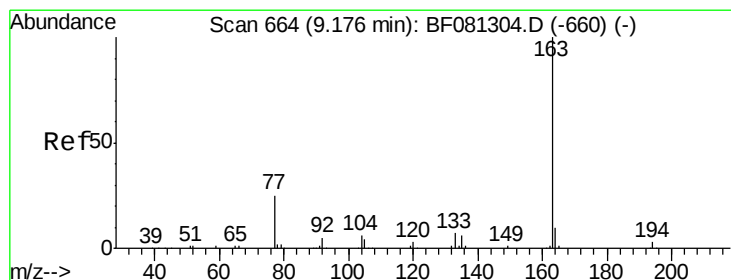
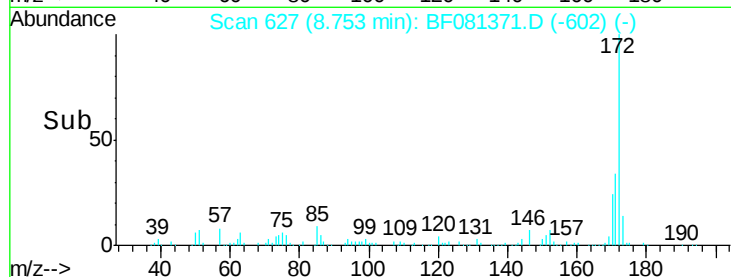
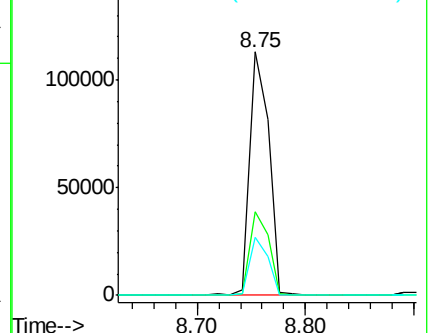
170 23.6 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 3.79 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

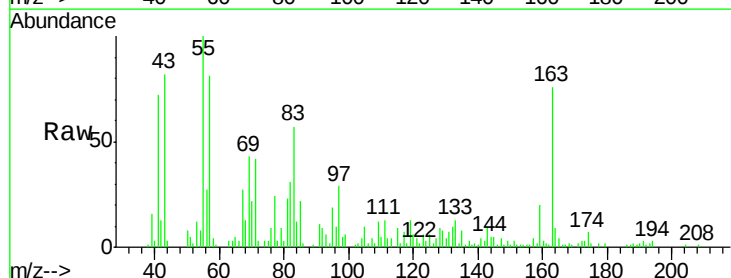
Tgt Ion:163 Resp: 27058

Ion Ratio Lower Upper

163 100

194 3.7 4.4 6.6#

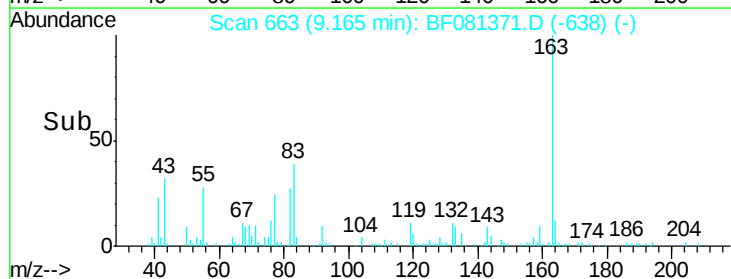
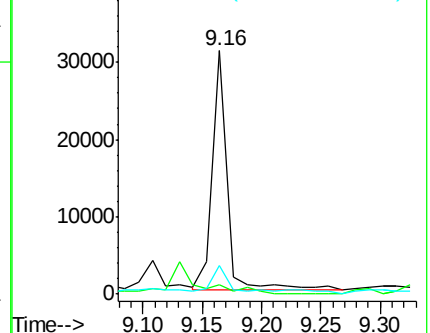
164 11.6 8.3 12.5

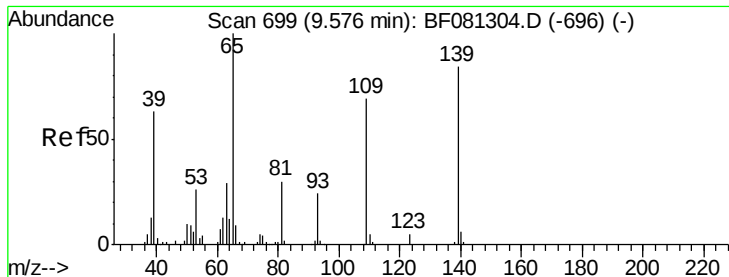


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

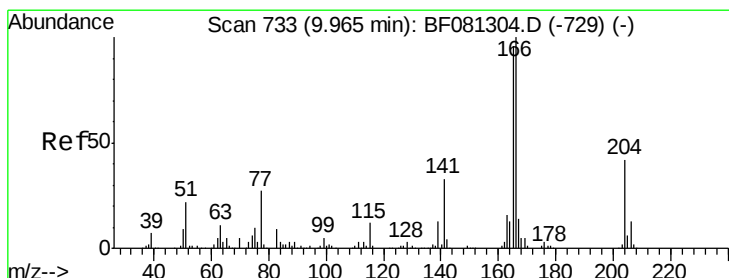
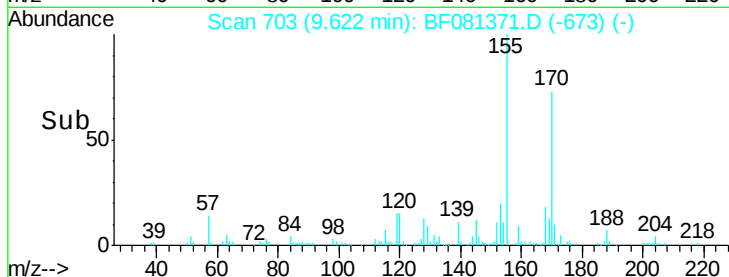
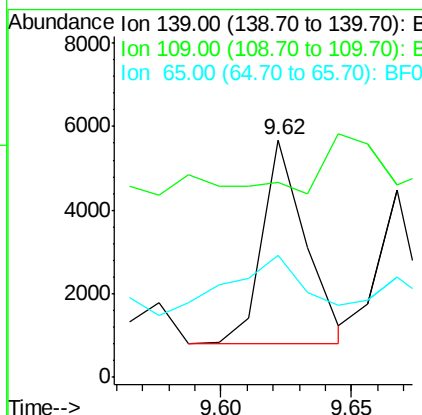
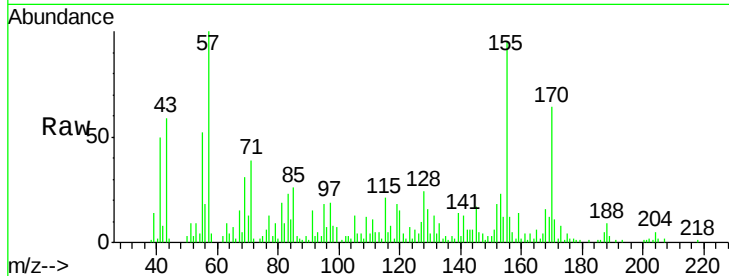




#55
4-Nitrophenol
Concen: 4.87 ng
RT: 9.62 min Scan# 703
Delta R.T. 0.05 min
Lab File: BF081371.D
Acq: 3 Sep 2015 2:56

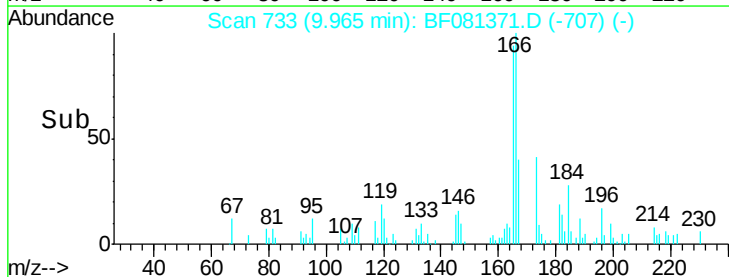
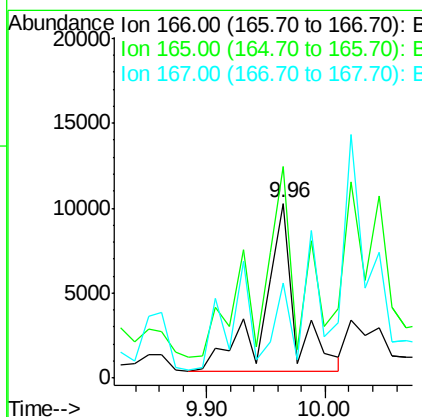
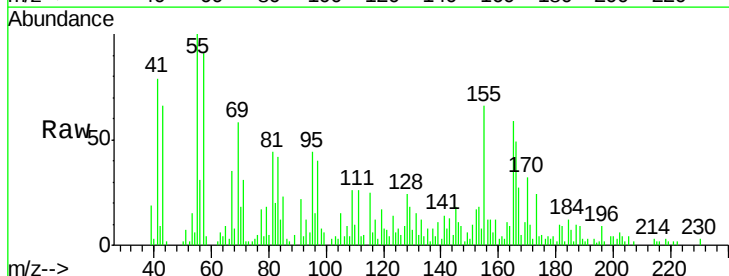
Instrument :
BNA_F
ClientSampleId :
6TPA(3.5-4)

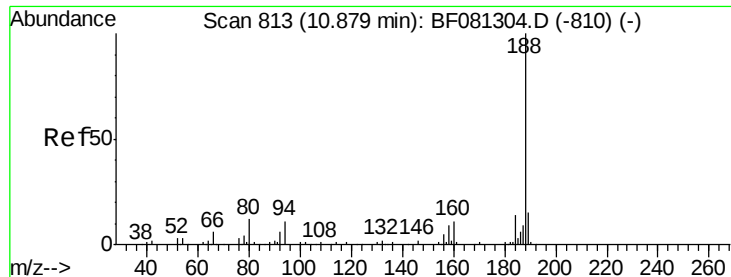
Tot Ion	Ratio	Lower	Upper
139	100		
109	82.2	12.7	52.7#
65	51.5	45.9	85.9



#57
Fluorene
Concen: 2.71 ng
RT: 9.96 min Scan# 733
Delta R.T. 0.00 min
Lab File: BF081371.D
Acq: 3 Sep 2015 2:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	121.6	72.6	109.0#
167	54.5	10.6	16.0#

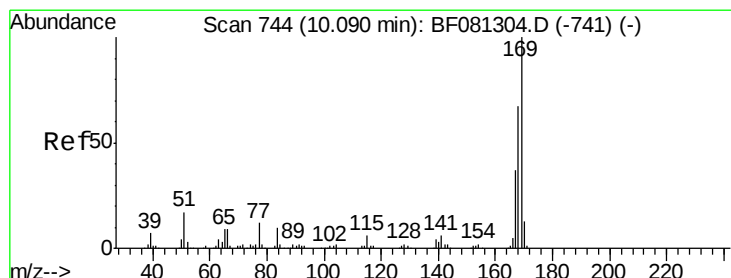
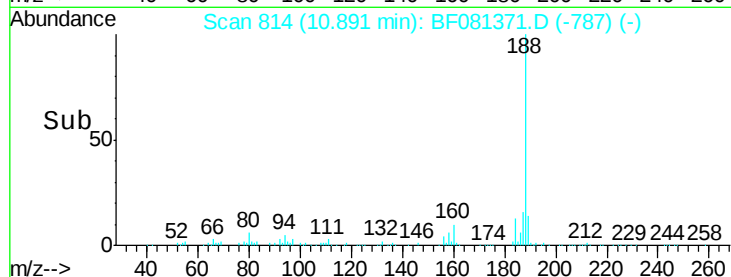
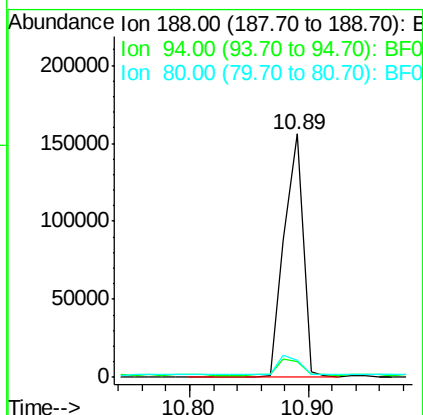
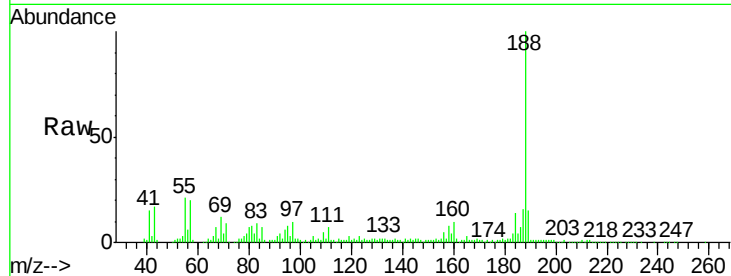




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.89 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF081371.D
Acq: 3 Sep 2015 2:56

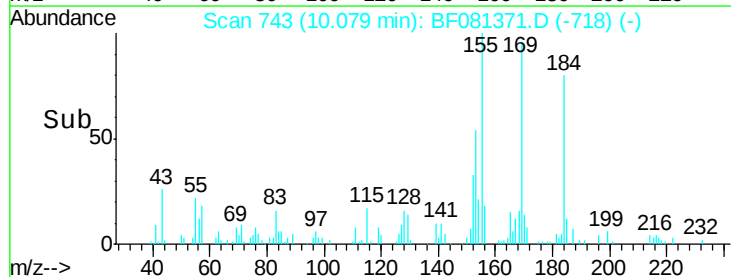
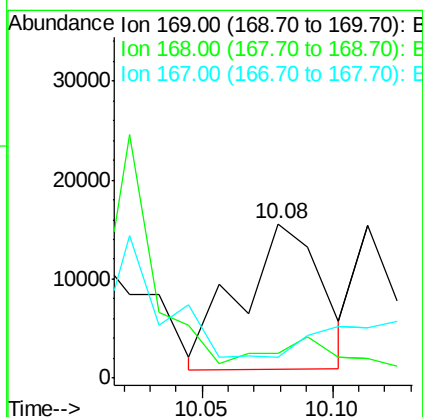
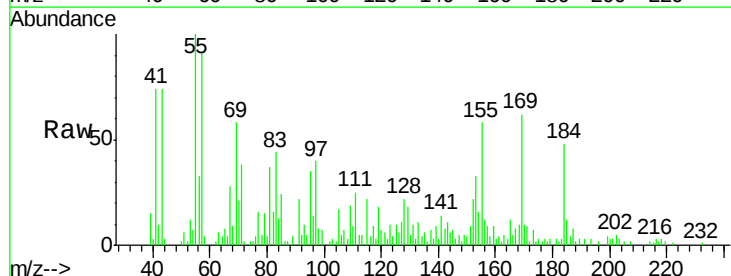
Instrument :
BNA_F
ClientSampleId :
6TPA(3.5-4)

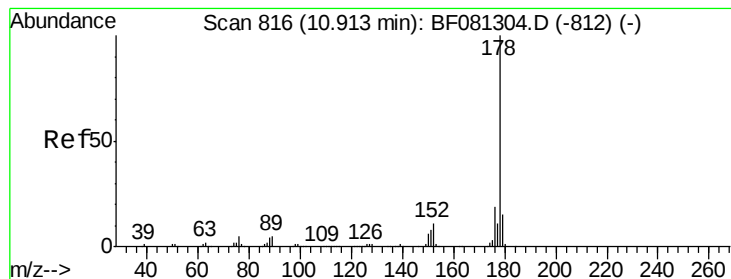
Tot Ion:188 Resp: 172111
Ion Ratio Lower Upper
188 100
94 6.4 11.1 16.7#
80 6.8 11.0 16.4#



#65
n-Nitrosodiphenylamine
Concen: 5.04 ng
RT: 10.08 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF081371.D
Acq: 3 Sep 2015 2:56

Tgt Ion:169 Resp: 31542
Ion Ratio Lower Upper
169 100
168 16.2 48.9 73.3#
167 13.4 26.2 39.4#





#70

Phenanthrene

Concen: 3.76 ng

RT: 10.91 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

Instrument :

BNA_F

ClientSampleId :

6TPA(3.5-4)

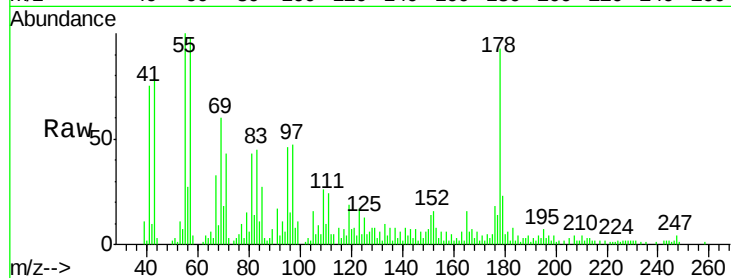
Tot Ion:178 Resp: 36003

Ion Ratio Lower Upper

178 100

176 19.6 13.8 20.8

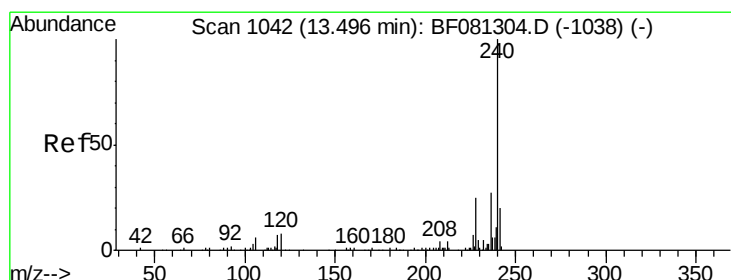
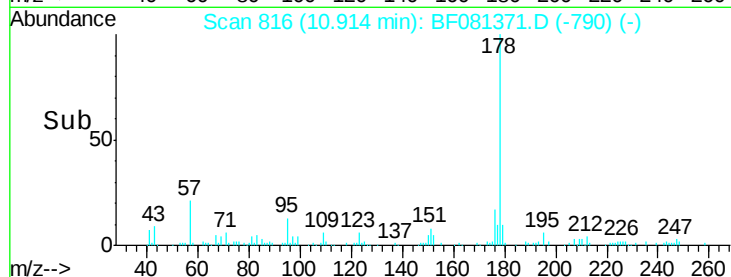
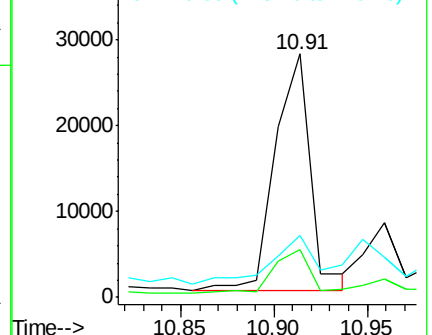
179 25.2 12.2 18.2#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.51 min Scan# 1043

Delta R.T. 0.01 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

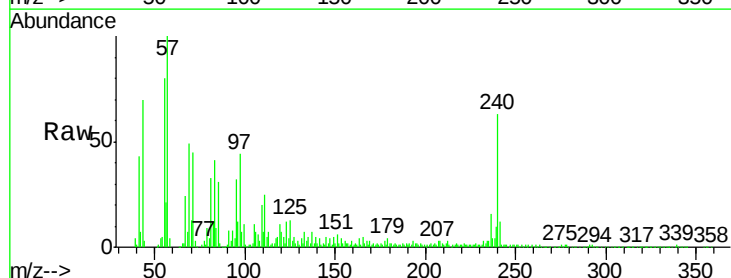
Tgt Ion:240 Resp: 106203

Ion Ratio Lower Upper

240 100

120 11.3 16.2 24.2#

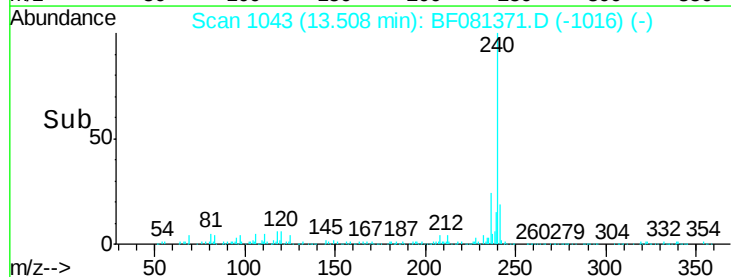
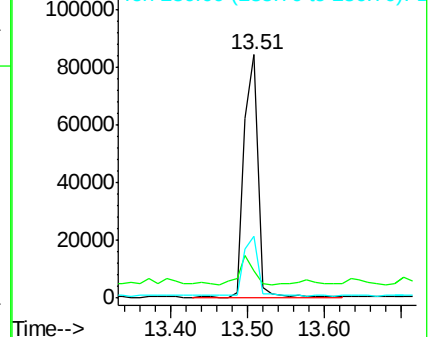
236 25.5 18.4 27.6

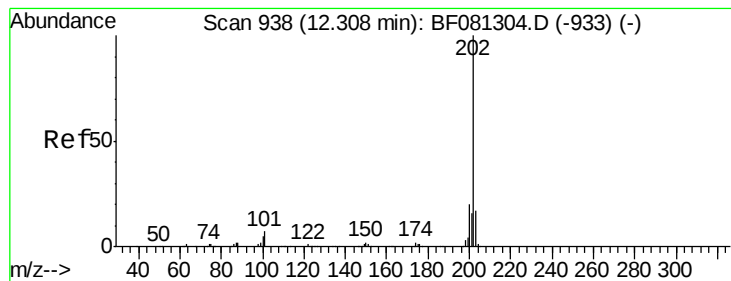


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.94 ng

RT: 12.31 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

Instrument :

BNA_F

ClientSampleId :

6TPA(3.5-4)

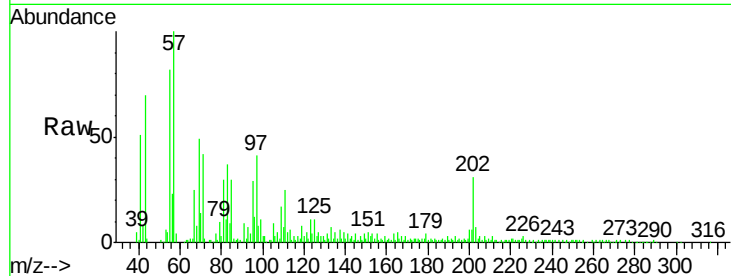
Tot Ion:202 Resp: 31006

Ion Ratio Lower Upper

202 100

200 19.9 15.0 22.4

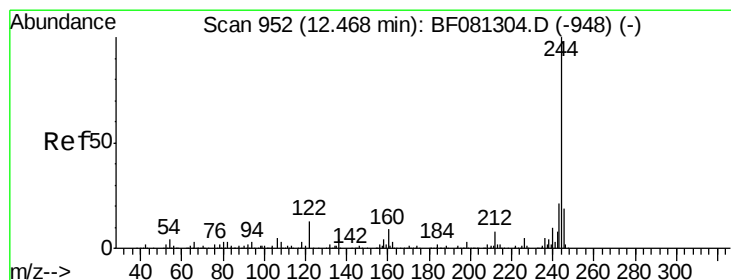
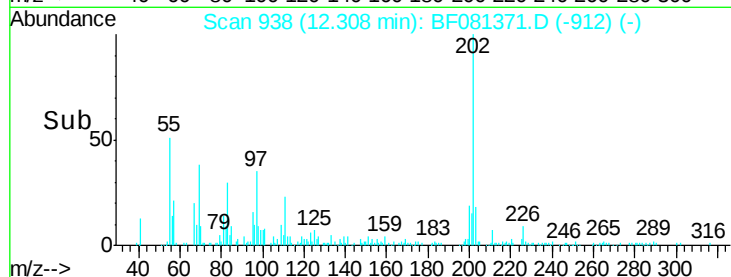
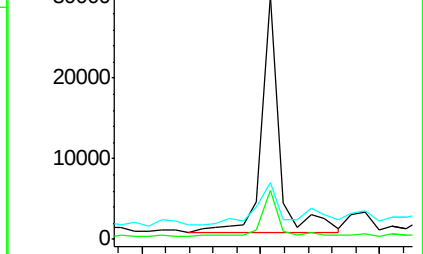
203 23.4 14.1 21.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 20.10 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF081371.D

Acq: 3 Sep 2015 2:56

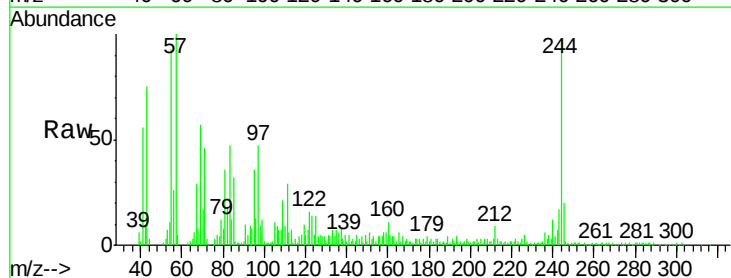
Tgt Ion:244 Resp: 91695

Ion Ratio Lower Upper

244 100

212 9.5 4.3 6.5#

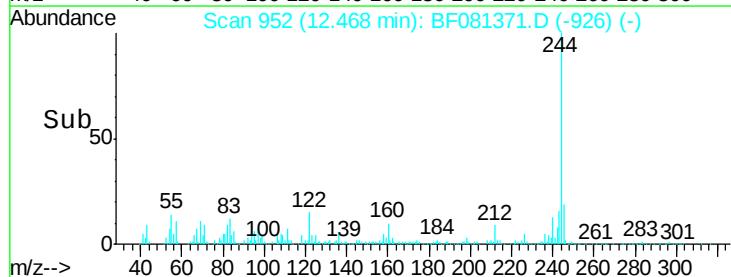
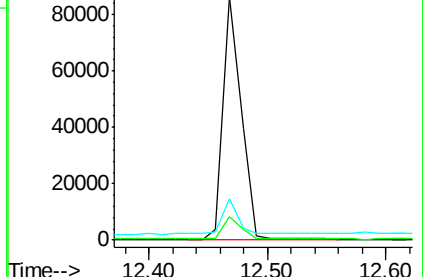
122 16.8 17.4 26.2#

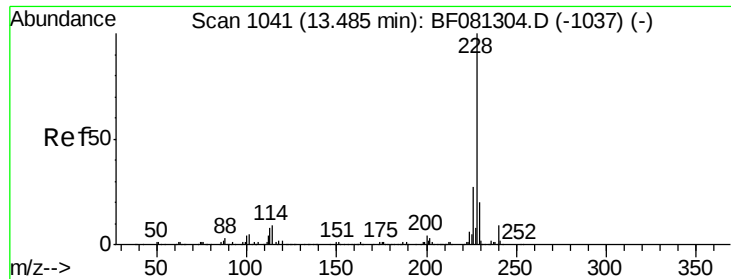


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

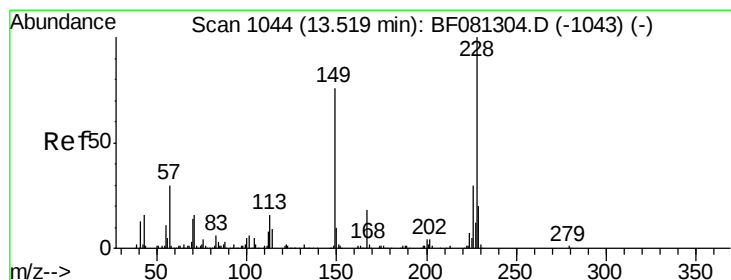
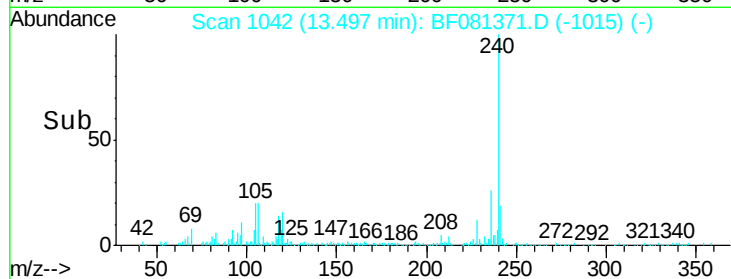
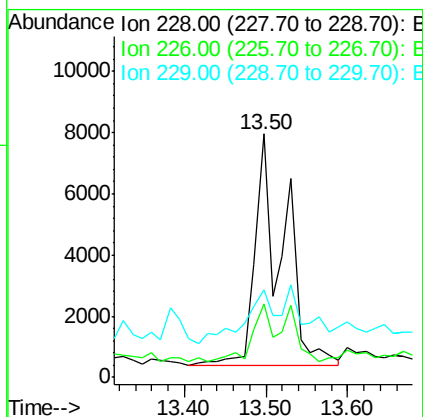
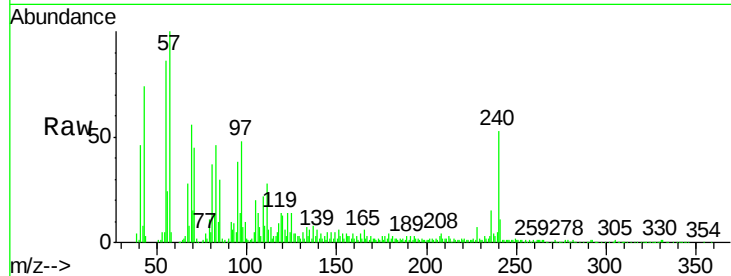




#80
Benzo(a)anthracene
Concen: 2.65 ng
RT: 13.50 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF081371.D
Acq: 3 Sep 2015 2:56

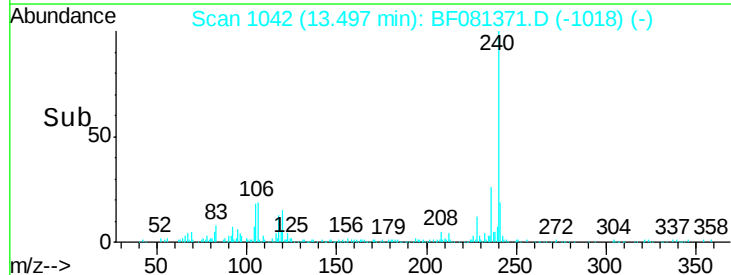
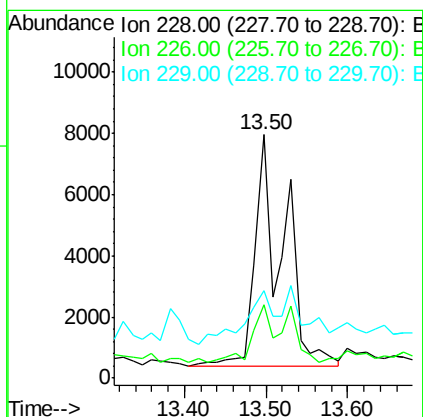
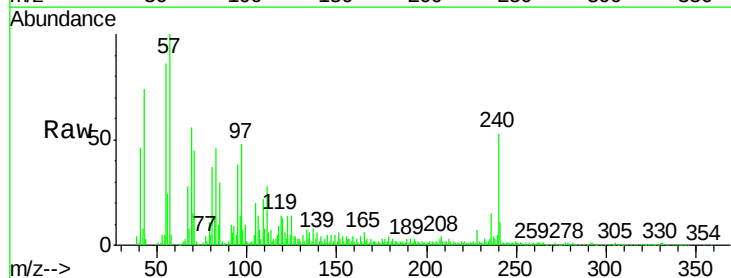
Instrument :
BNA_F
ClientSampleId :
6TPA(3.5-4)

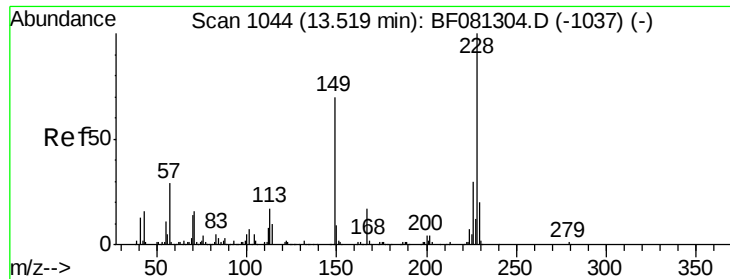
Tot Ion:228 Resp: 17911
Ion Ratio Lower Upper
228 100
226 30.0 20.0 30.0
229 35.9 15.4 23.2#



#82
Chrysene
Concen: 2.95 ng
RT: 13.50 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF081371.D
Acq: 3 Sep 2015 2:56

Tgt Ion:228 Resp: 17911
Ion Ratio Lower Upper
228 100
226 30.0 21.0 31.4
229 35.9 15.6 23.4#

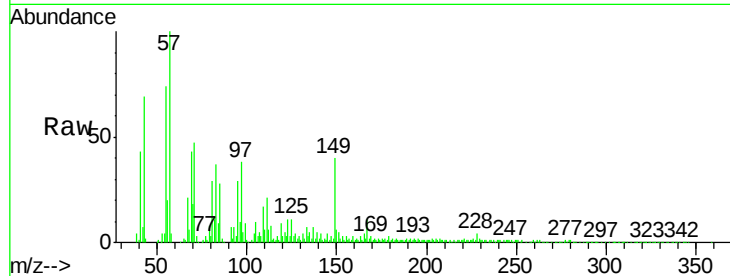




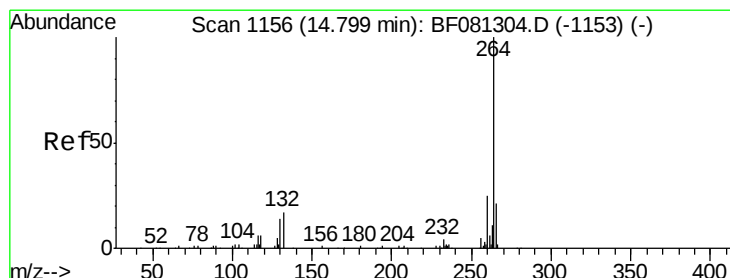
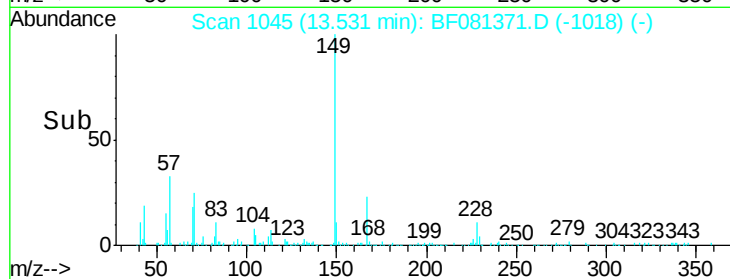
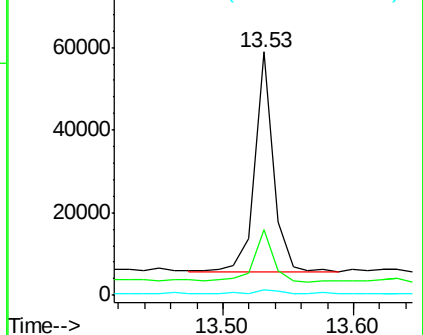
#83
Bis(2-ethylhexyl)phthalate
Concen: 11.80 ng
RT: 13.53 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BF081371.D
Acq: 3 Sep 2015 2:56

Instrument :
BNA_F
ClientSampleId :
6TPA(3.5-4)

Tot Ion:149 Resp: 53261
Ion Ratio Lower Upper
149 100
167 26.8 24.2 36.2
279 2.5 3.8 5.6#

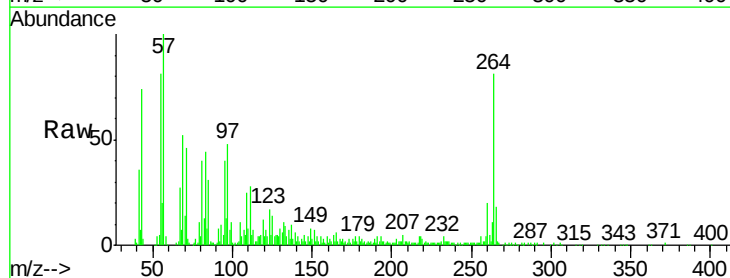


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.82 min Scan# 1158
Delta R.T. 0.02 min
Lab File: BF081371.D
Acq: 3 Sep 2015 2:56

Tgt Ion:264 Resp: 82772
Ion Ratio Lower Upper
264 100
260 24.7 16.7 25.1
265 21.6 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

