

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF089015.D
 Acq On : 15 Jul 2016 5:49
 Operator : UM/SJ
 Sample : H3972-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 15 06:45:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

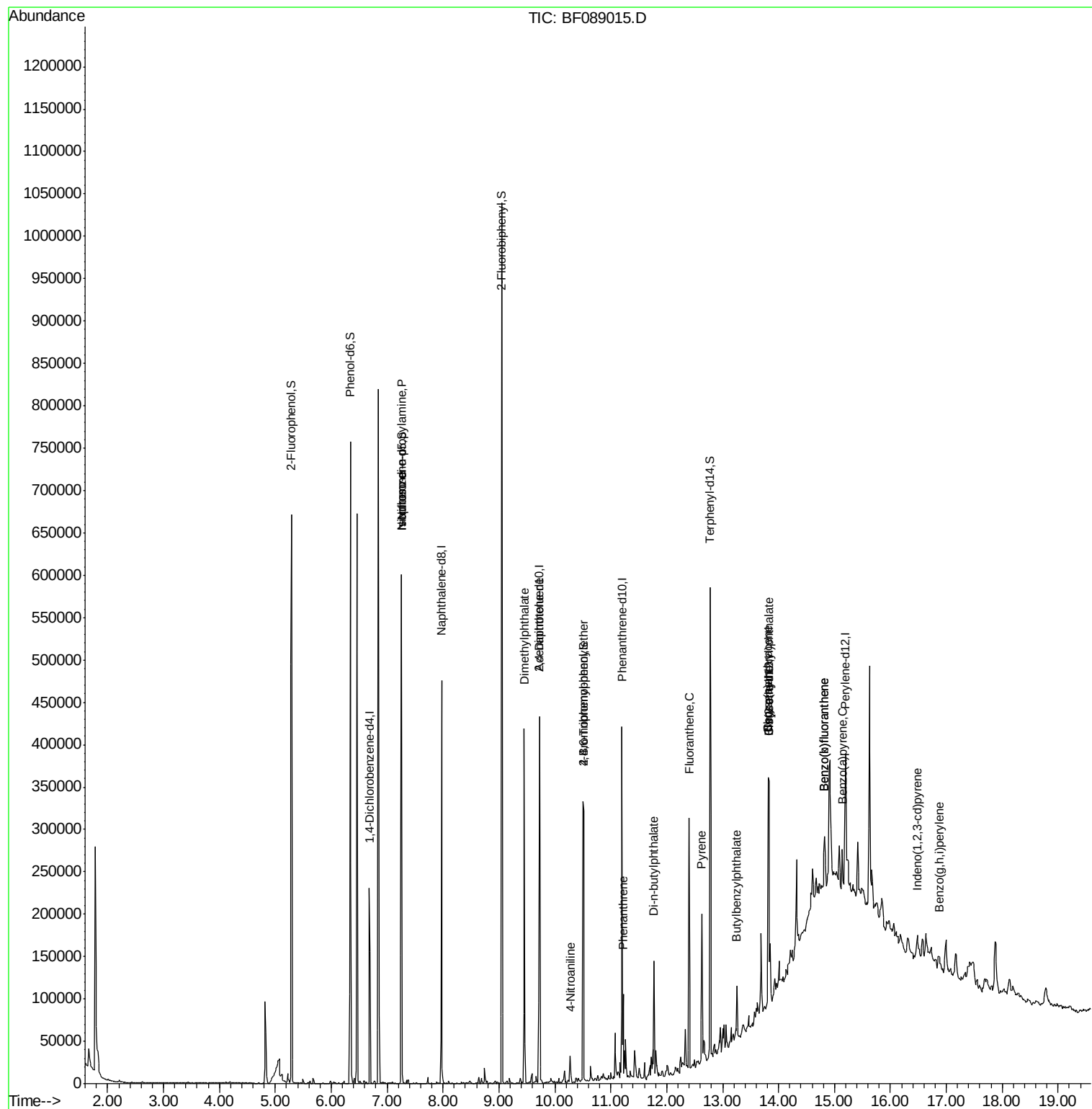
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	43140	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	182991	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	76895	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	134078	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	88866	20.00	ng	-0.02
86) Perylene-d12	15.20	264	66941	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	239729	83.28	ng	0.00
7) Phenol-d6	6.34	99	267879	72.02	ng	-0.01
23) Nitrobenzene-d5	7.26	82	186806	53.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	49979	69.99	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	270032	55.47	ng	-0.02
78) Terphenyl-d14	12.78	244	181882	45.59	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	24960	9.99	ng	# 74
25) Isophorone	7.26	82	149993	23.19	ng	# 65
49) Dimethylphthalate	9.45	163	152169	27.78	ng	99
56) 2,4-Dinitrotoluene	9.72	165	9535	6.01	ng	# 36
61) 4-Nitroaniline	10.27	138	3979	2.68	ng	# 63
66) 4-Bromophenyl-phenylether	10.51	248	3933	2.91	ng	# 1
70) Phenanthrene	11.22	178	31598	4.31	ng	98
73) Di-n-butylphthalate	11.77	149	58535	7.34	ng	99
74) Fluoranthene	12.40	202	67426	9.07	ng	97
77) Pyrene	12.63	202	66459	8.82	ng	98
79) Butylbenzylphthalate	13.26	149	11690	3.48	ng	# 75
80) Benzo(a)anthracene	13.82	228	38207	6.68	ng	# 90
82) Chrysene	13.82	228	38207	6.75	ng	95
83) Bis(2-ethylhexyl)phthalate	13.83	149	12740	3.32	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.48	276	14659	3.37	ng	# 100
87) Benzo(b)fluoranthene	14.82	252	40583	9.66	ng	# 86
88) Benzo(k)fluoranthene	14.82	252	40583	11.10	ng	# 90
89) Benzo(a)pyrene	15.14	252	20833	5.86	ng	# 93
91) Benzo(g,h,i)perylene	16.87	276	13686	4.45	ng	96

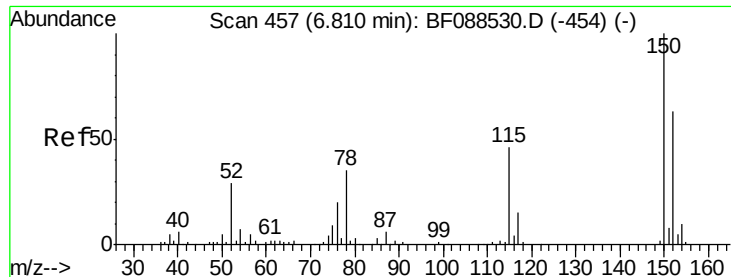
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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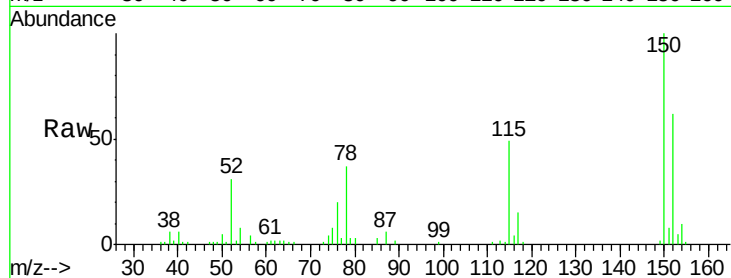


#1

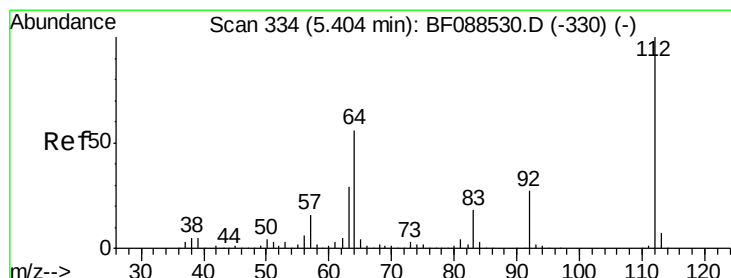
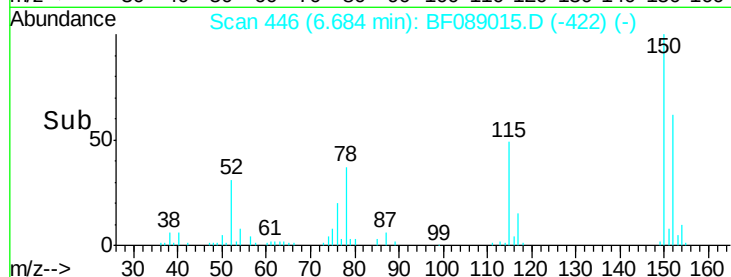
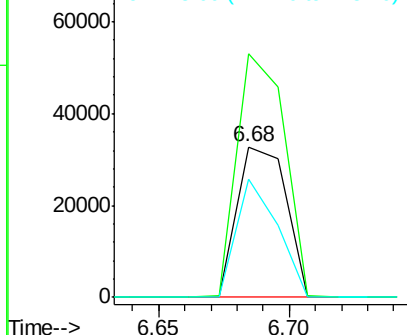
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF089015.D
Acq: 15 Jul 2016 5:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 43140
Ion Ratio Lower Upper
152 100
150 162.0 123.8 185.6
115 78.9 39.6 59.4#



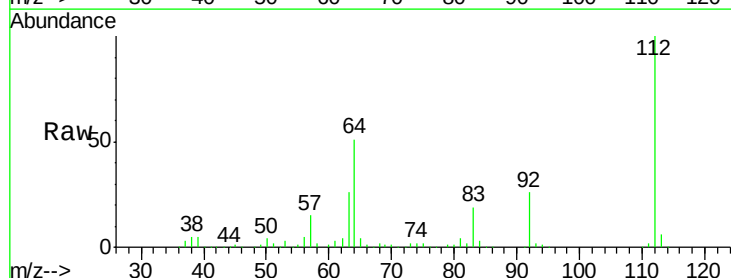
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



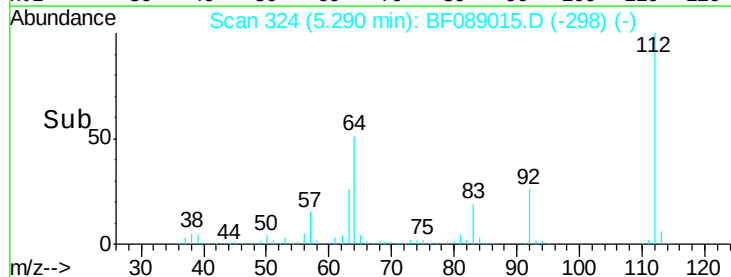
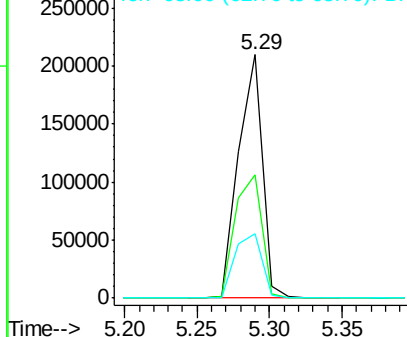
#5

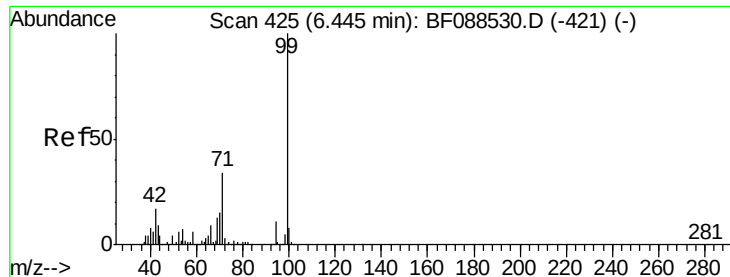
2-Fluorophenol
Concen: 83.28 ng
RT: 5.29 min Scan# 324
Delta R.T. -0.00 min
Lab File: BF089015.D
Acq: 15 Jul 2016 5:49

Tgt Ion:112 Resp: 239729
Ion Ratio Lower Upper
112 100
64 50.6 42.2 63.2
63 26.5 21.8 32.8



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: 72.02 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Instrument :

BNA_F

ClientSampleId :

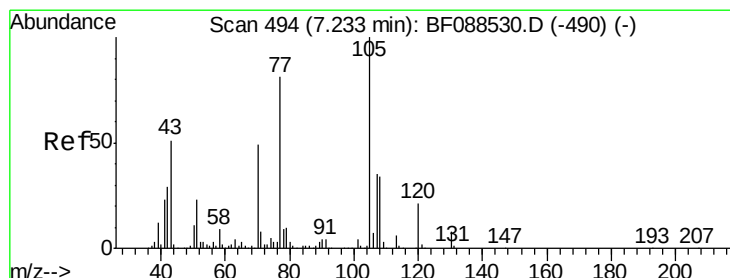
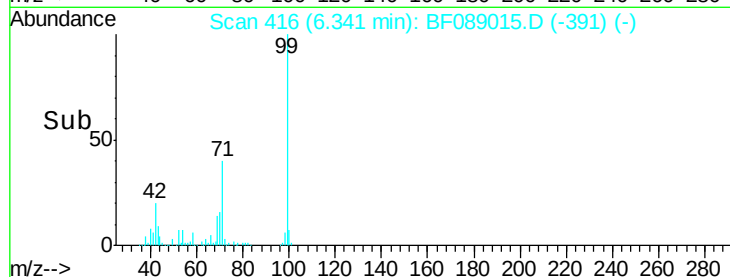
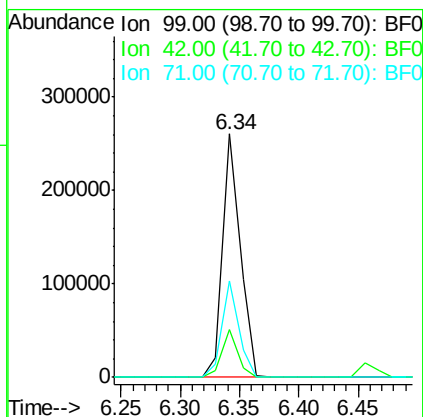
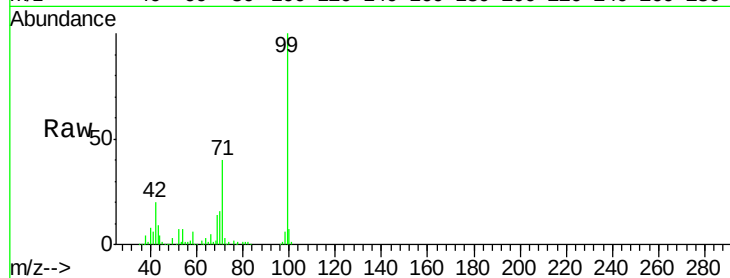
Tgt Ion: 99 Resp: 267879

Ion Ratio Lower Upper

99 100

42 19.5 12.2 18.2#

71 39.7 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 9.99 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.11 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Tgt Ion: 70 Resp: 24960

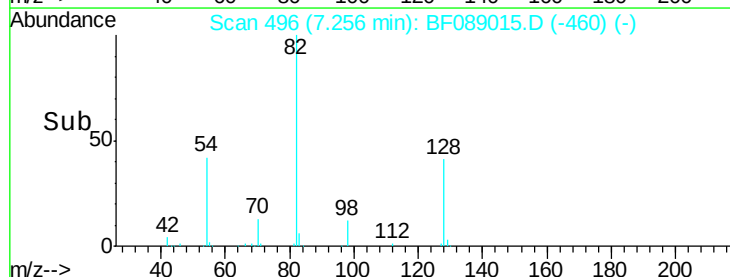
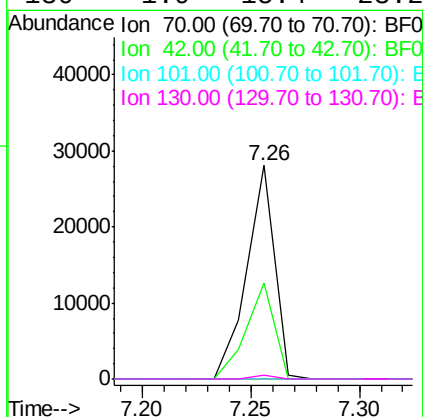
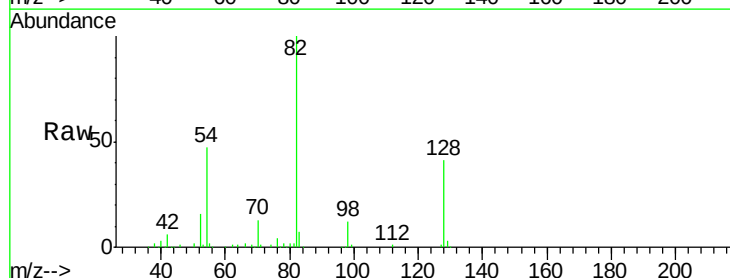
Ion Ratio Lower Upper

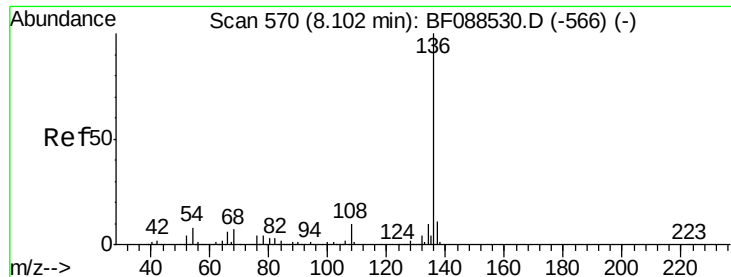
70 100

42 44.8 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#

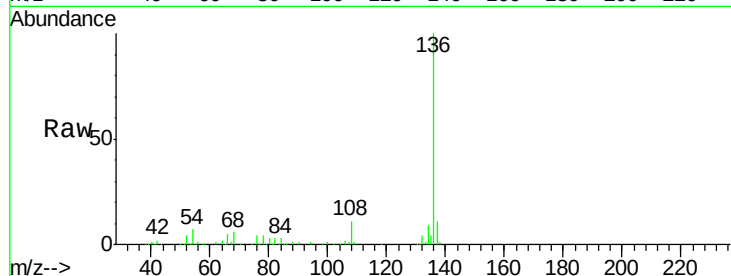




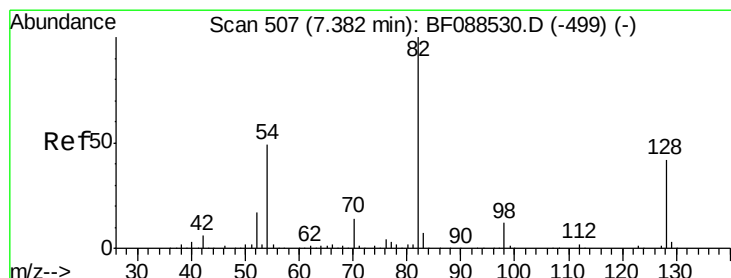
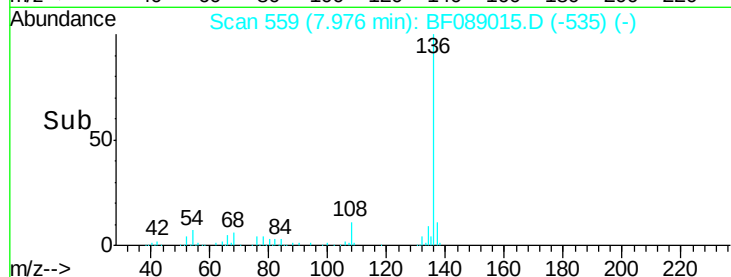
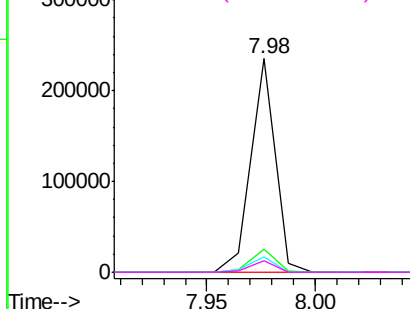
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF089015.D
Acq: 15 Jul 2016 5:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:	136	Resp:	182991
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	7.0	6.6	10.0
68	5.6	5.1	7.7

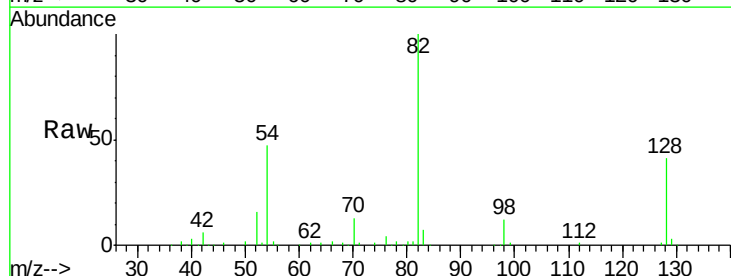


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

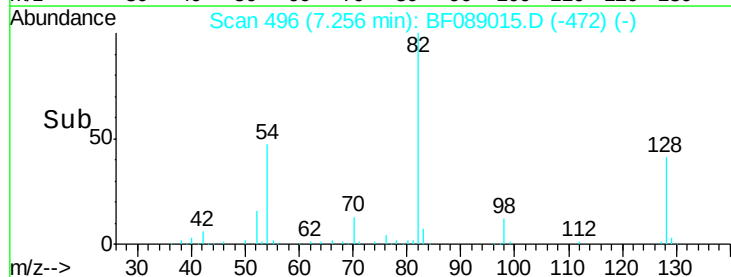
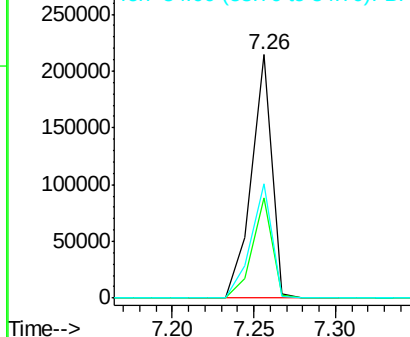


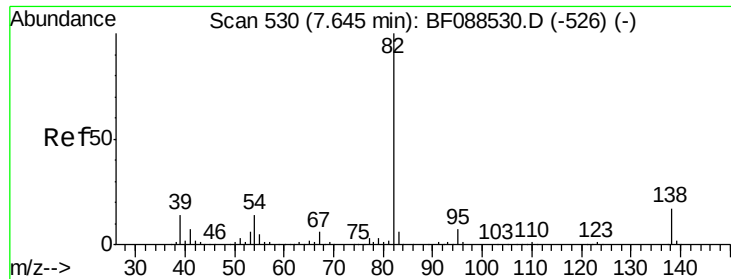
#23
Nitrobenzene-d5
Concen: 53.50 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF089015.D
Acq: 15 Jul 2016 5:49

Tgt Ion:	82	Resp:	186806
Ion	Ratio	Lower	Upper
82	100		
128	41.1	35.9	53.9
54	47.1	40.9	61.3



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





#25

Isophorone

Concen: 23.19 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.29 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

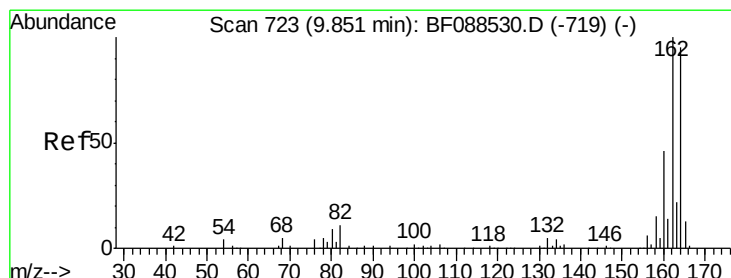
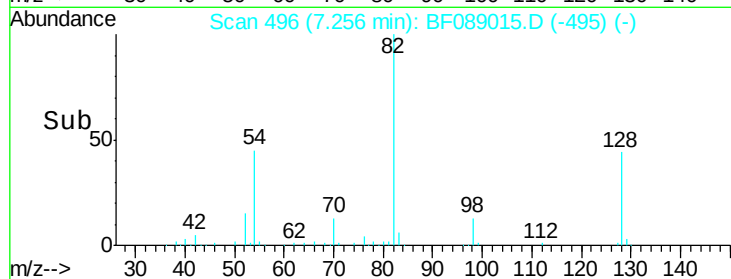
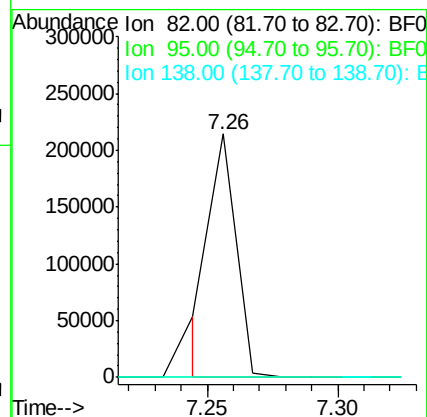
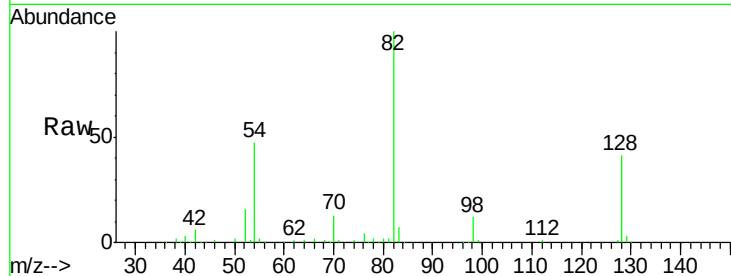
Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 82 Resp: 149993

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

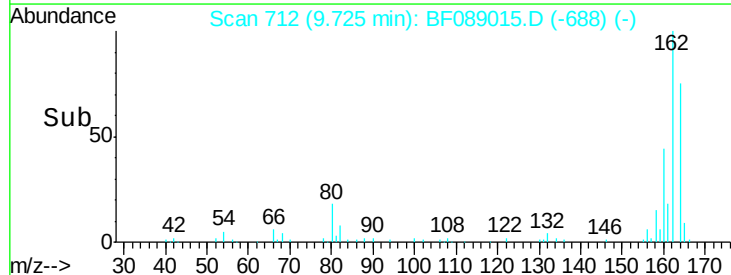
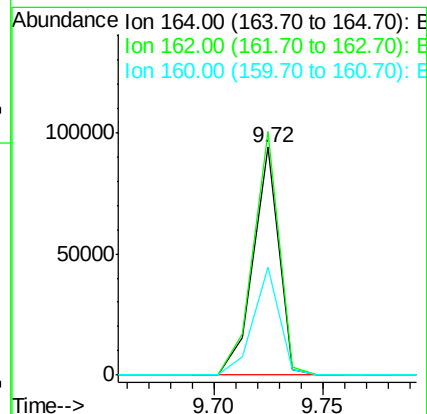
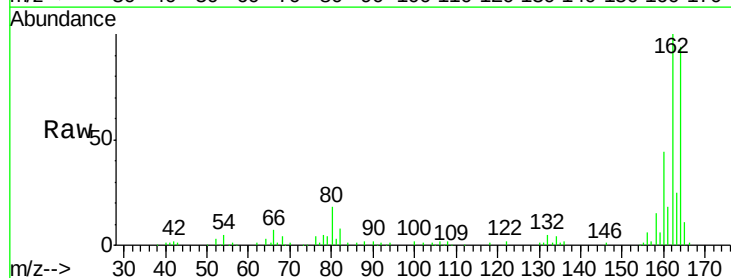
Delta R.T. -0.02 min

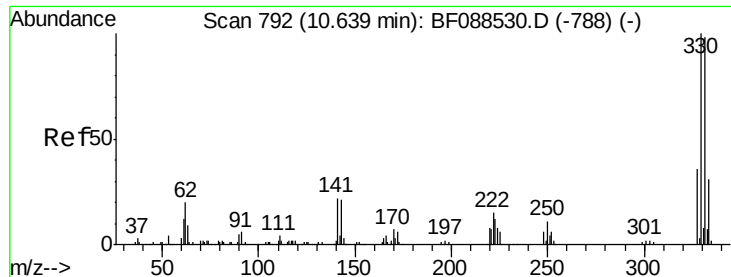
Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Tgt Ion: 164 Resp: 76895

Ion	Ratio	Lower	Upper
164	100		
162	106.8	85.4	128.2
160	47.4	39.5	59.3

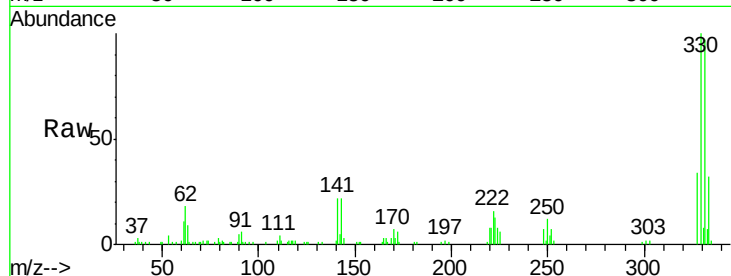




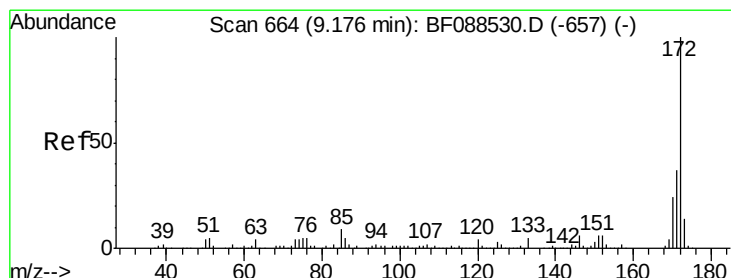
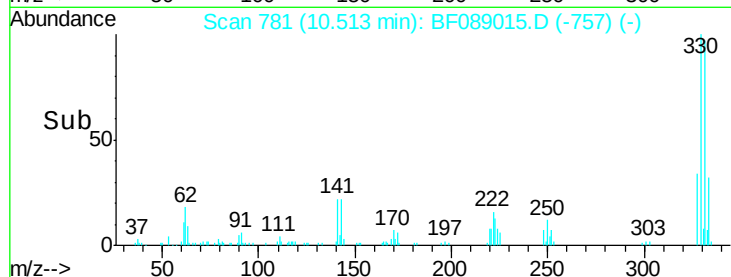
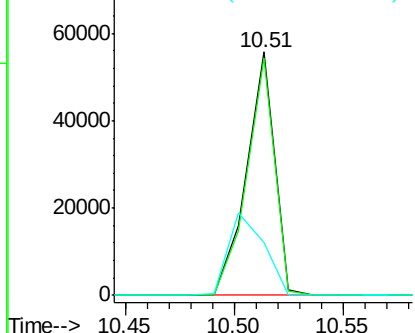
#41
 2,4,6-Tribromophenol
 Concen: 69.99 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF089015.D
 Acq: 15 Jul 2016 5:49

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:330 Resp: 49979
 Ion Ratio Lower Upper
 330 100
 332 96.2 0.0 0.0#
 141 43.1 0.0 0.0#

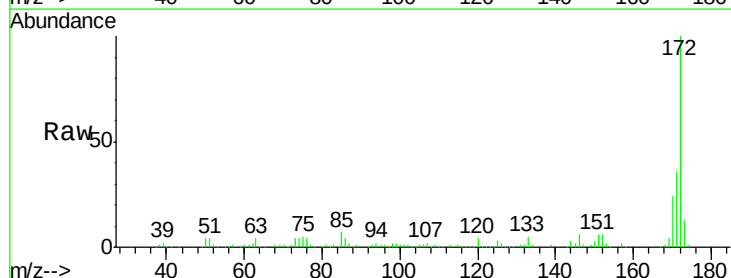


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

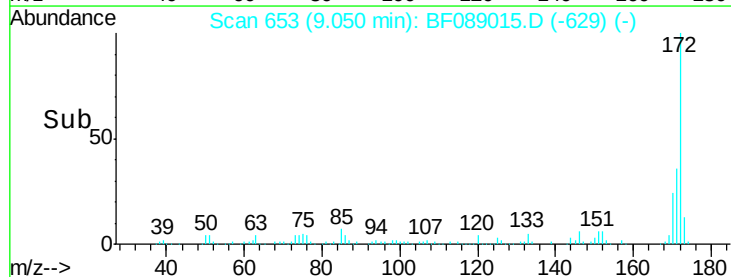
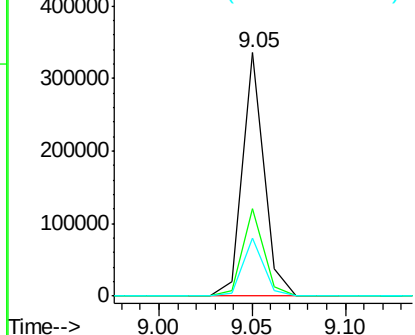


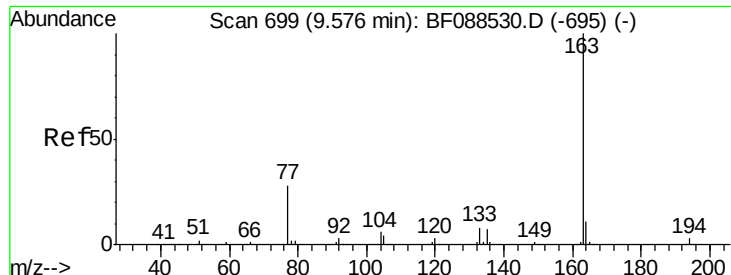
#44
 2-Fluorobiphenyl
 Concen: 55.47 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089015.D
 Acq: 15 Jul 2016 5:49

Tgt Ion:172 Resp: 270032
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.7 19.2 28.8



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: 27.78 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Instrument :

BNA_F

ClientSampleId :

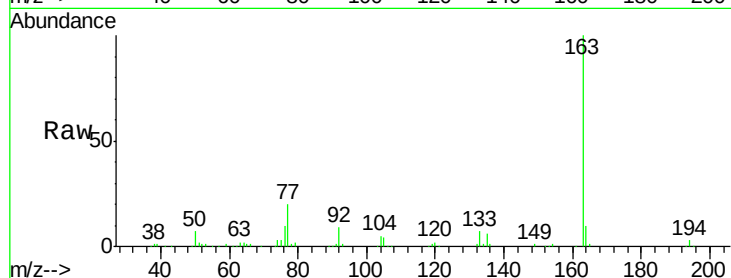
Tgt Ion:163 Resp: 152169

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

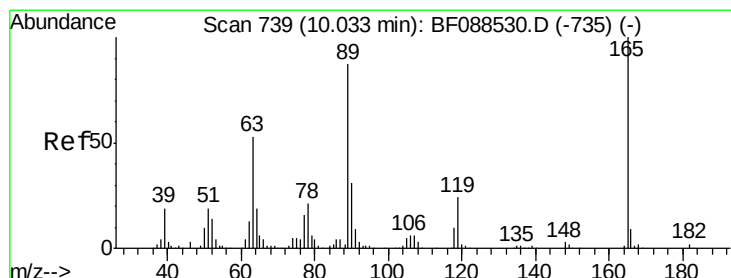
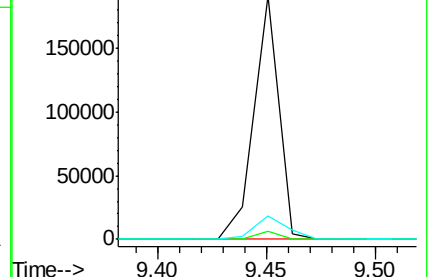
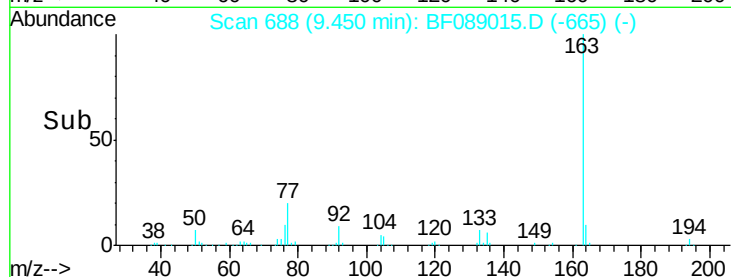
164 9.9 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.01 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Tgt Ion:165 Resp: 9535

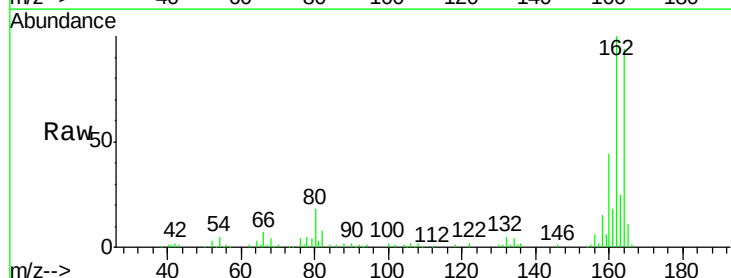
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

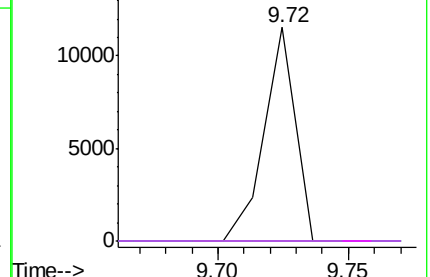
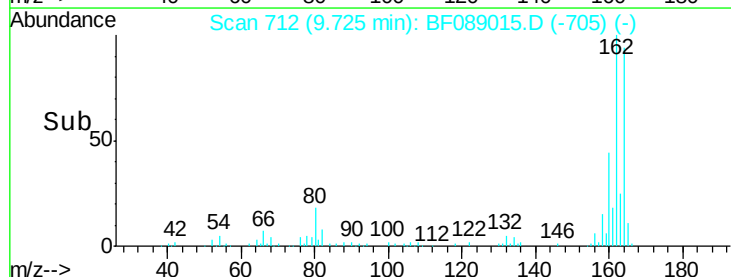


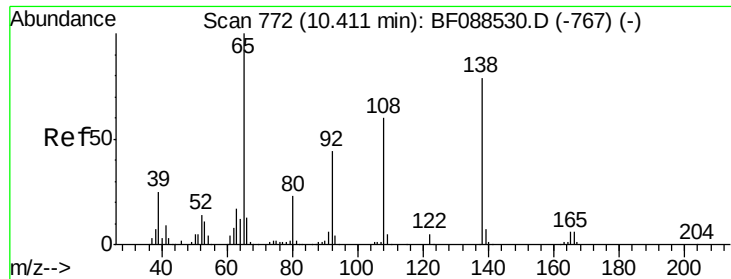
Abundance Ion 165.00 (164.70 to 165.70): E

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

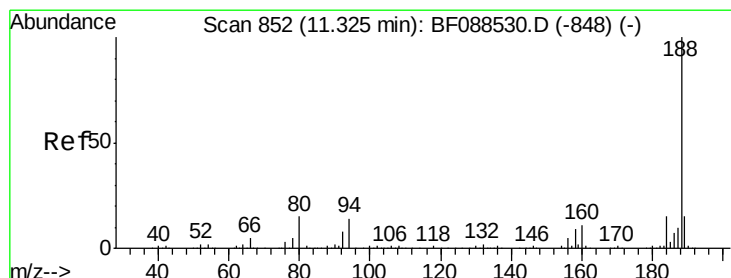
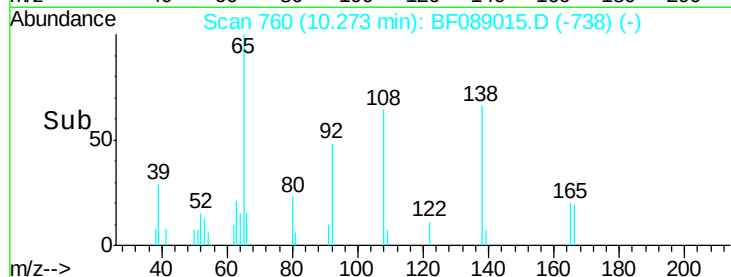
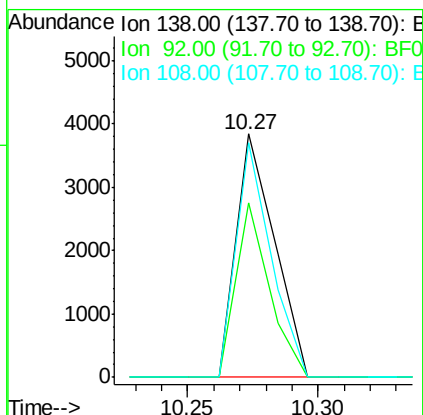
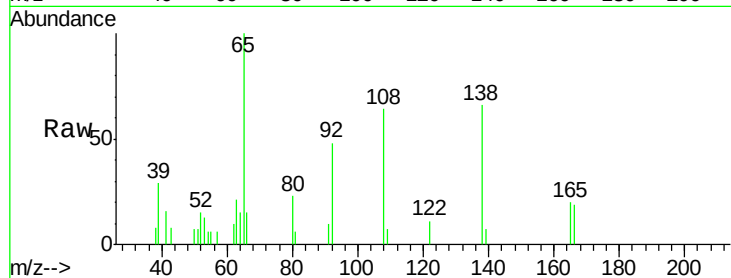




#61
4-Nitroaniline
Concen: 2.68 ng
RT: 10.27 min Scan# 760
Delta R.T. -0.05 min
Lab File: BF089015.D
Acq: 15 Jul 2016 5:49

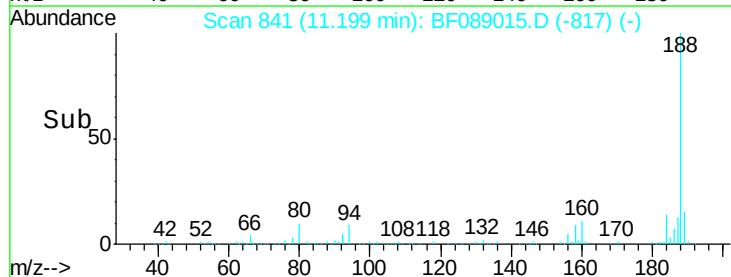
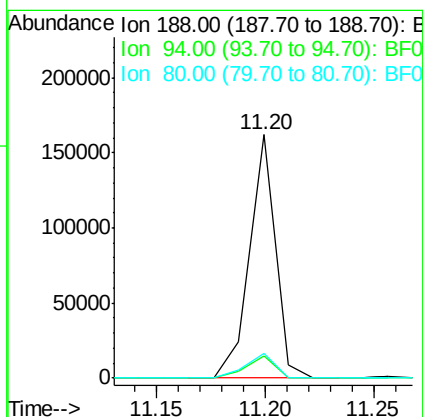
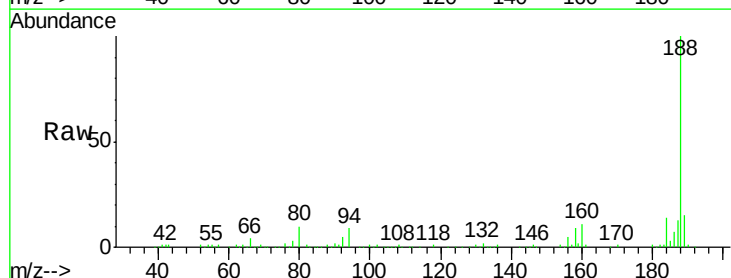
Instrument :
BNA_F
ClientSampleId :

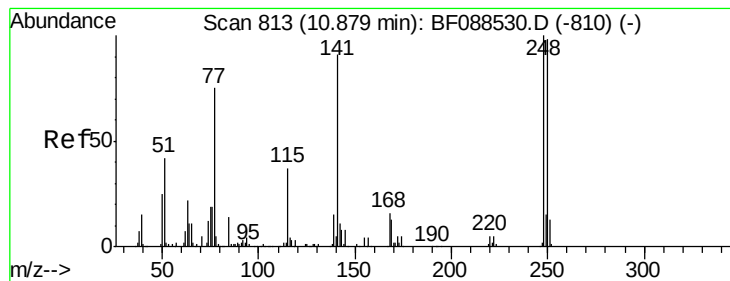
Tgt Ion:138 Resp: 3979
Ion Ratio Lower Upper
138 100
92 71.6 27.3 67.3#
108 96.4 46.7 86.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF089015.D
Acq: 15 Jul 2016 5:49

Tgt Ion:188 Resp: 134078
Ion Ratio Lower Upper
188 100
94 9.3 9.0 13.6
80 10.0 10.0 15.0#





#66

4-Bromophenyl-phenylether

Concen: 2.91 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.26 min

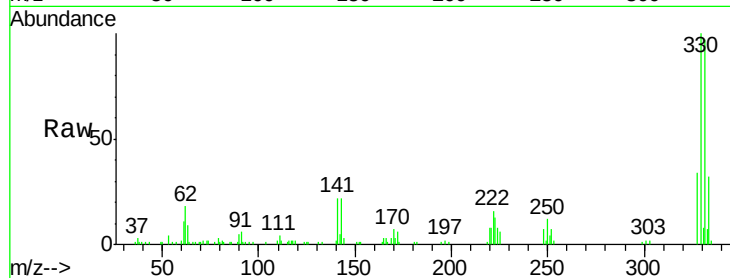
Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

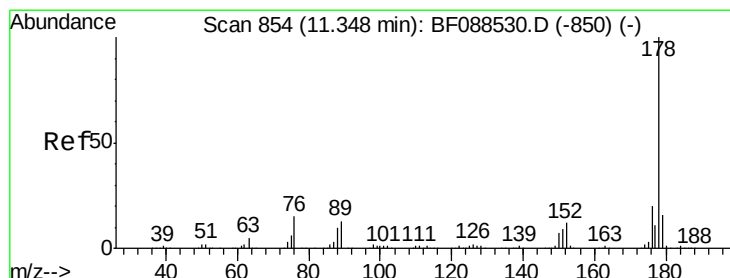
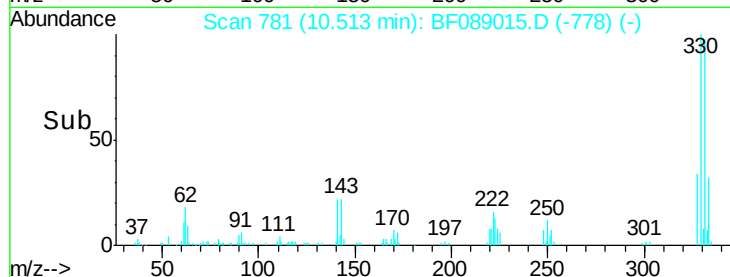
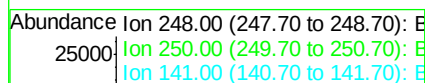
Instrument :

BNA_F

ClientSampled :



Tgt Ion:	248	Resp:	3933
Ion	Ratio	Lower	Upper
248	100		
250	184.8	77.1	115.7#
141	328.6	50.6	76.0#



#70

Phenanthrene

Concen: 4.31 ng

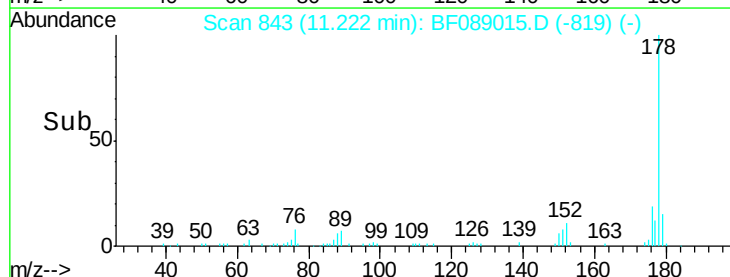
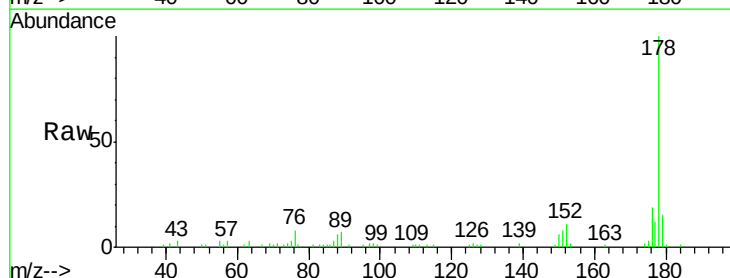
RT: 11.22 min Scan# 843

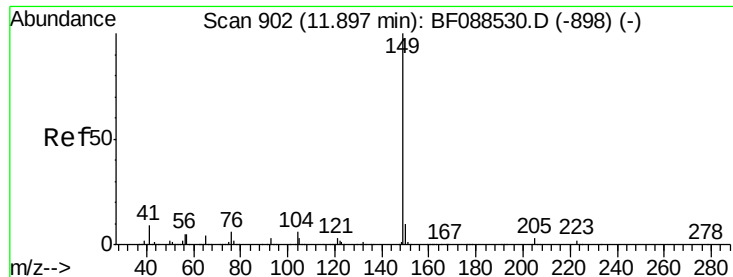
Delta R.T. -0.02 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Tgt Ion:	178	Resp:	31598
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.1	13.0	19.4





#73

Di-n-butylphthalate

Concen: 7.34 ng

RT: 11.77 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF089015.D

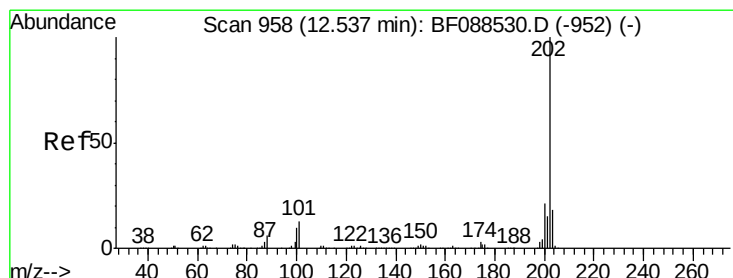
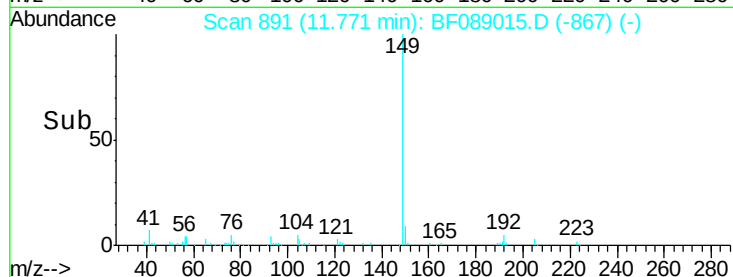
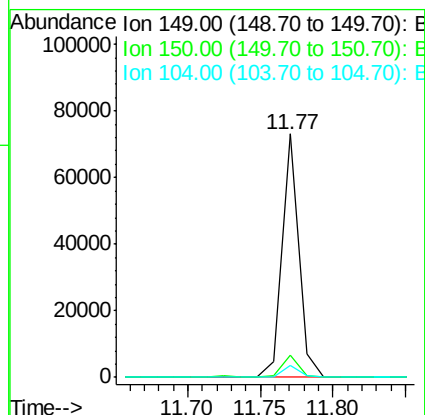
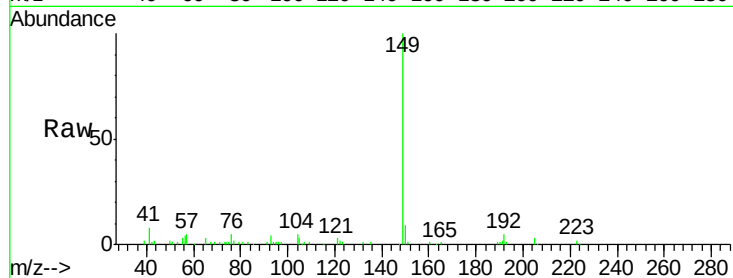
Acq: 15 Jul 2016 5:49

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	149	Resp:	58535
Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.8	11.6
104	5.0	4.0	6.0



#74

Fluoranthene

Concen: 9.07 ng

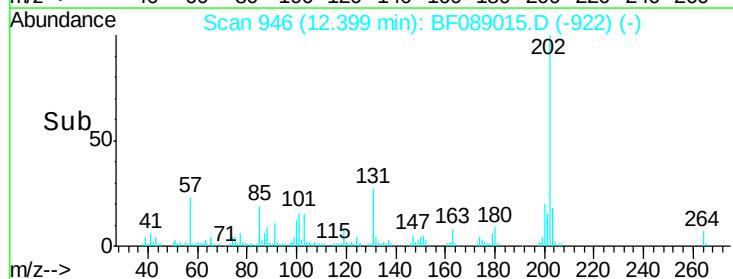
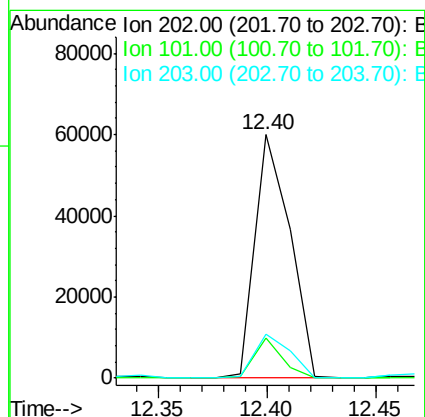
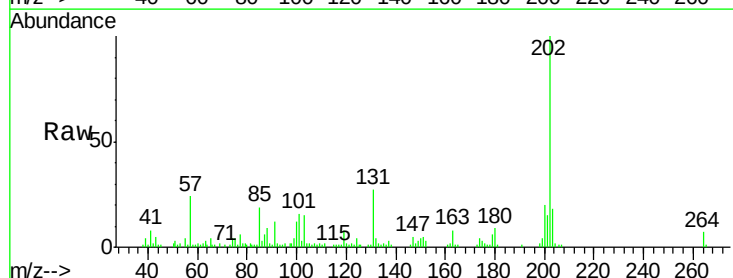
RT: 12.40 min Scan# 946

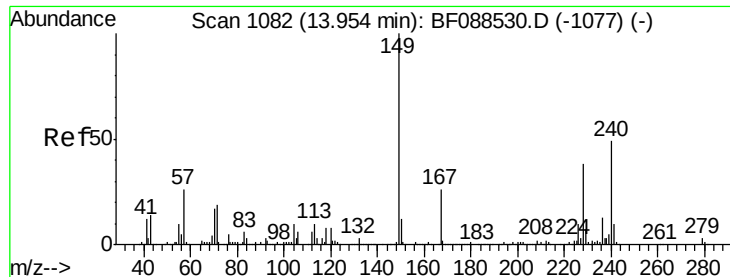
Delta R.T. -0.02 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Tgt Ion:	202	Resp:	67426
Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	33.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Instrument :

BNA_F

ClientSampleId :

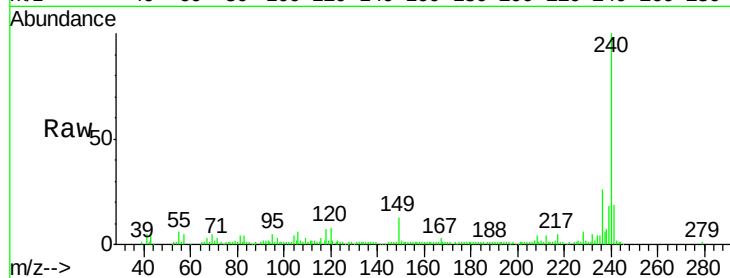
Tgt Ion:240 Resp: 88866

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

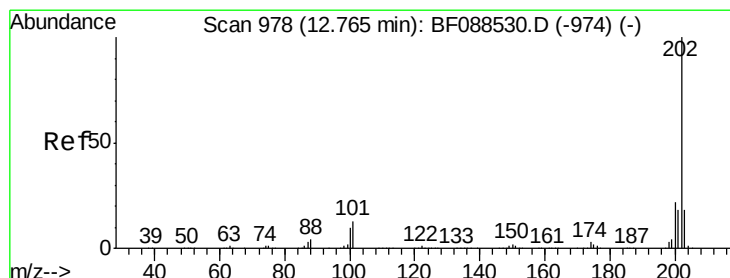
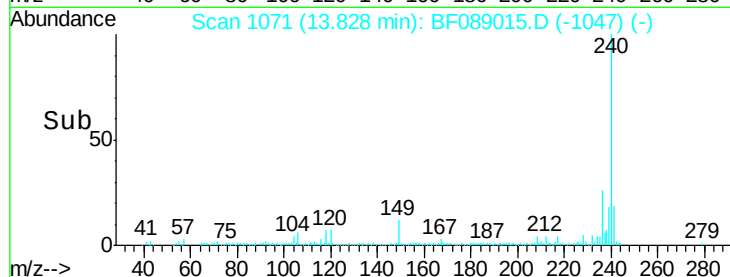
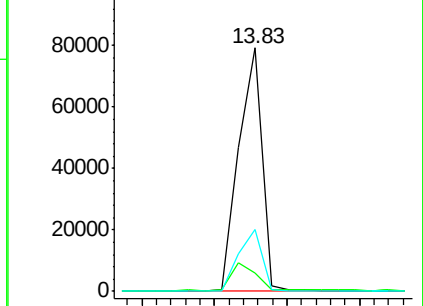
236 25.6 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.82 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

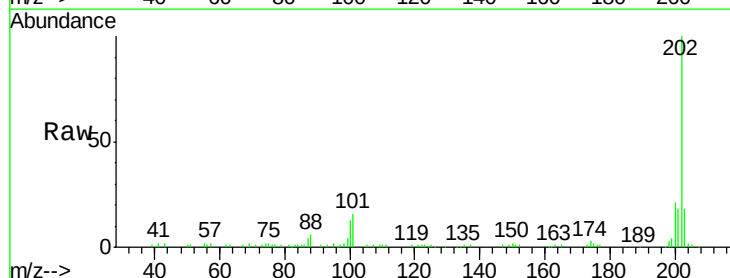
Tgt Ion:202 Resp: 66459

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

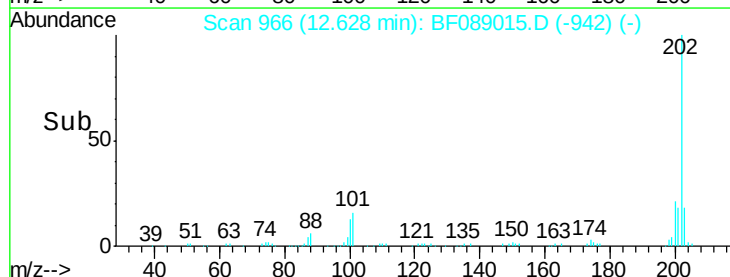
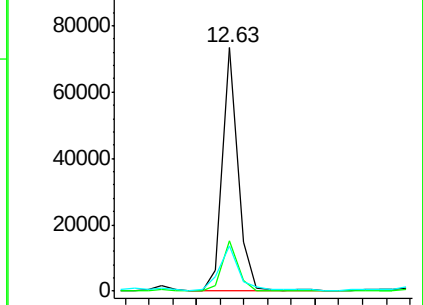
203 18.5 14.5 21.7

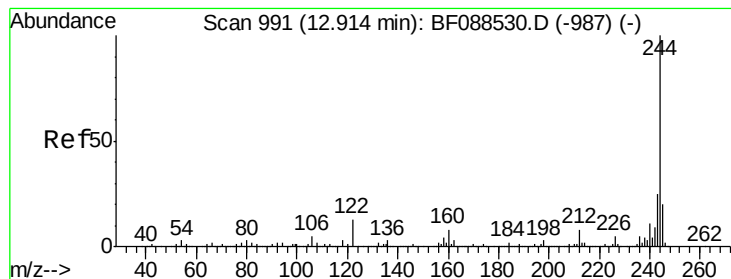


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 45.59 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Instrument :

BNA_F

ClientSampleId :

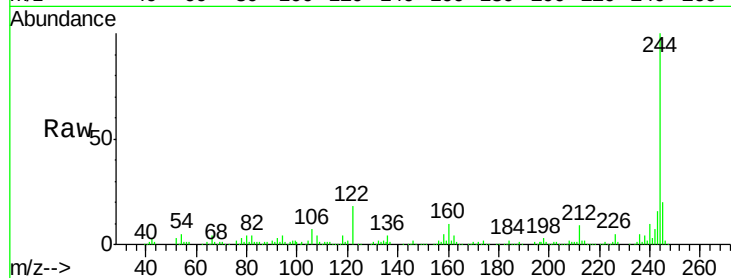
Tgt Ion:244 Resp: 181882

Ion Ratio Lower Upper

244 100

212 8.6 6.0 9.0

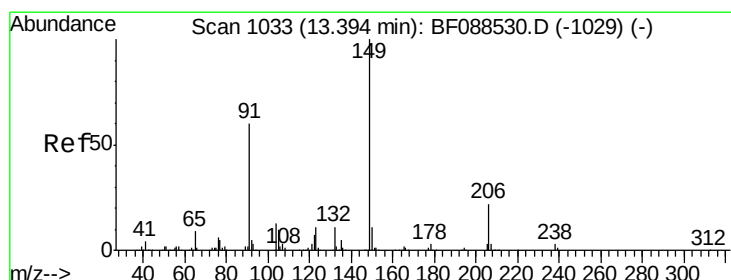
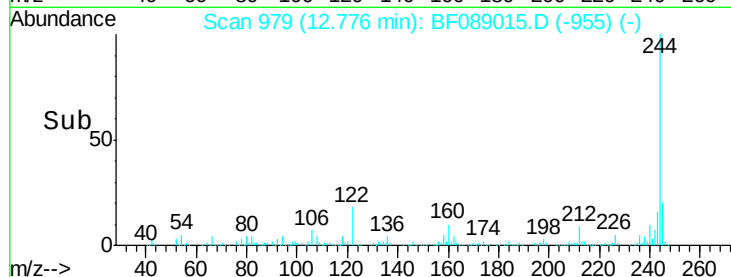
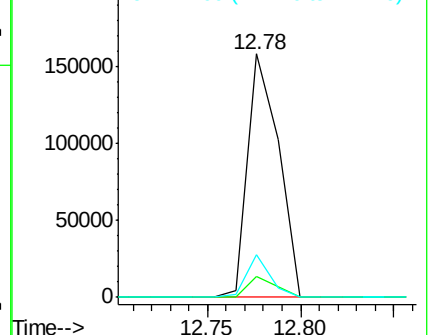
122 17.7 11.2 16.8#



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



#79

Butylbenzylphthalate

Concen: 3.48 ng

RT: 13.26 min Scan# 1021

Delta R.T. -0.02 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

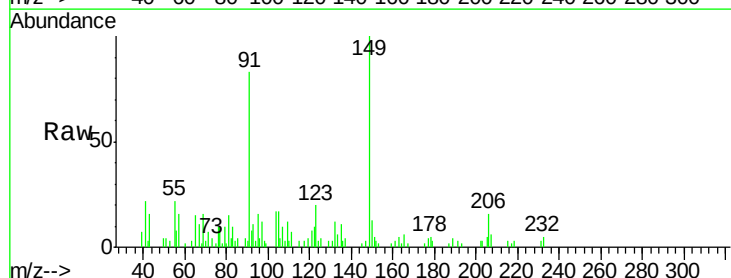
Tgt Ion:149 Resp: 11690

Ion Ratio Lower Upper

149 100

91 83.2 48.0 72.0#

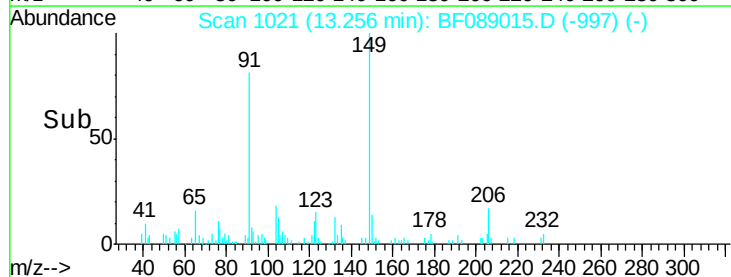
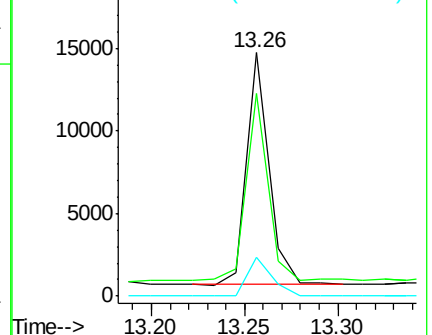
206 15.8 16.0 24.0#

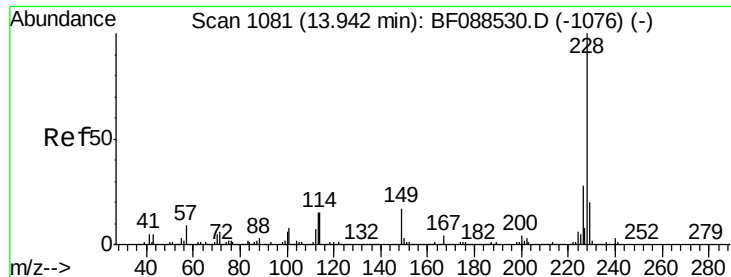


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 6.68 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF089015.D

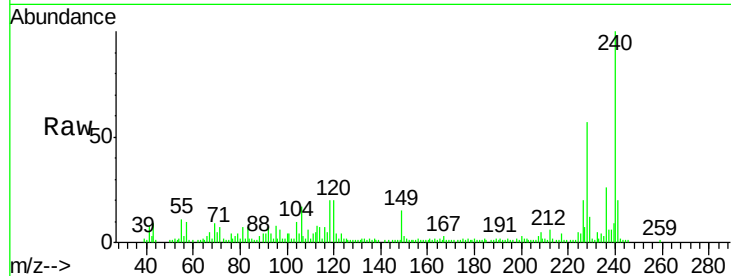
Acq: 15 Jul 2016 5:49

Instrument :

BNA_F

ClientSampleId :

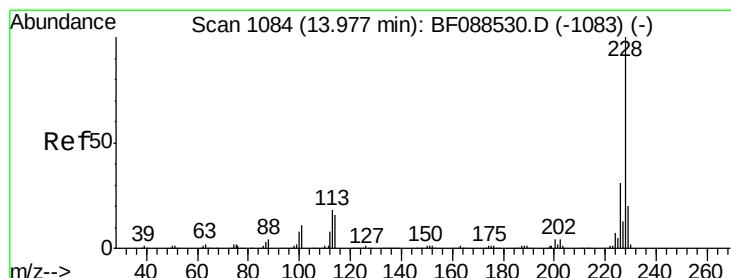
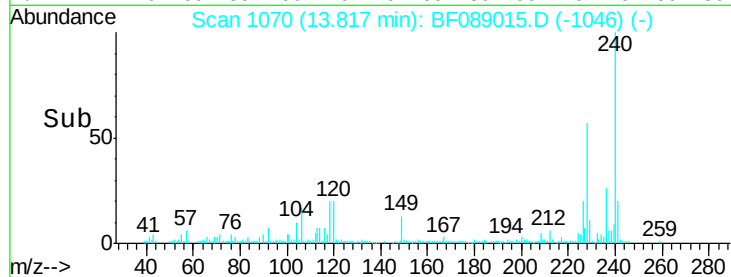
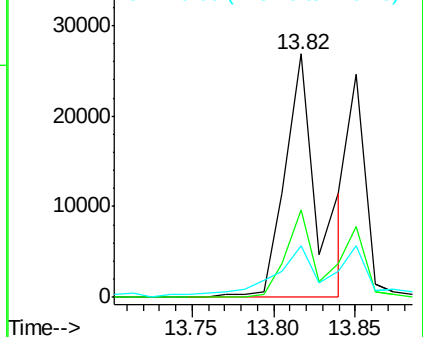
Tgt Ion:	228	Resp:	38207
Ion Ratio	Lower	Upper	
228	100		
226	35.8	22.3	33.5#
229	21.3	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.75 ng

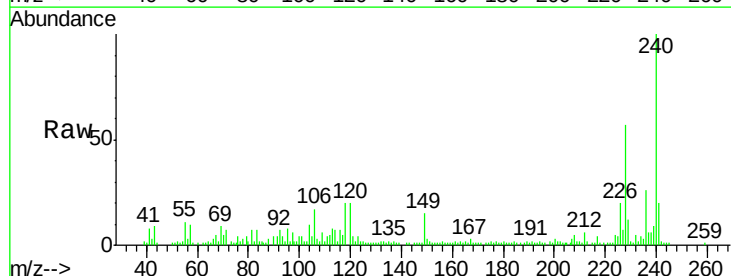
RT: 13.82 min Scan# 1070

Delta R.T. -0.06 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

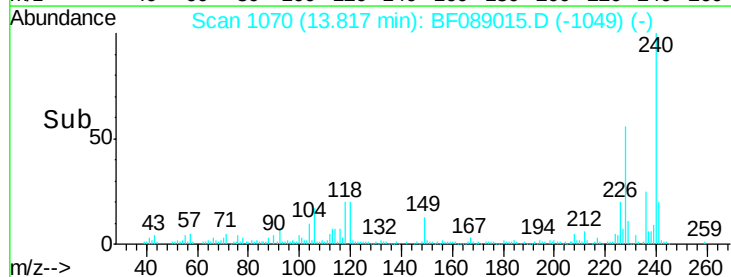
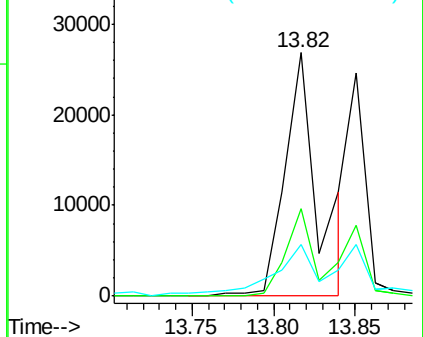
Tgt Ion:	228	Resp:	38207
Ion Ratio	Lower	Upper	
228	100		
226	35.8	25.4	38.2
229	21.3	16.3	24.5

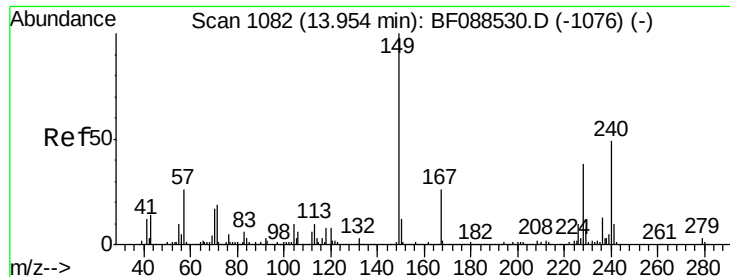


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.32 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Instrument :

BNA_F

ClientSampleId :

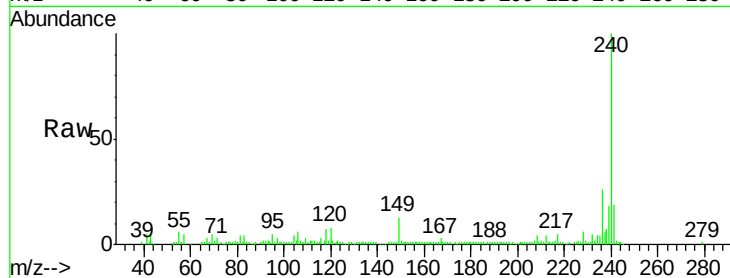
Tgt Ion:149 Resp: 12740

Ion Ratio Lower Upper

149 100

167 25.8 20.5 30.7

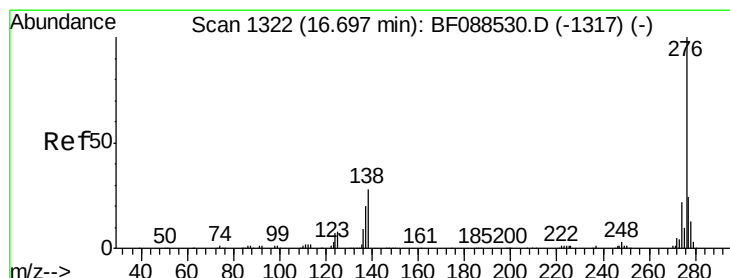
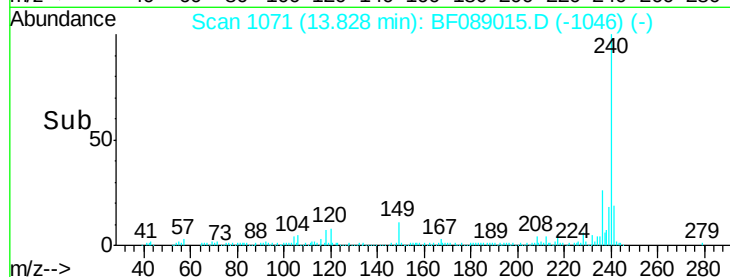
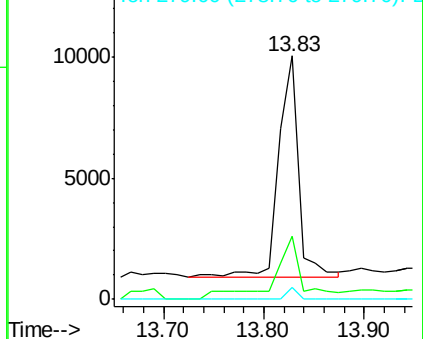
279 4.7 2.0 3.0#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.37 ng

RT: 16.48 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

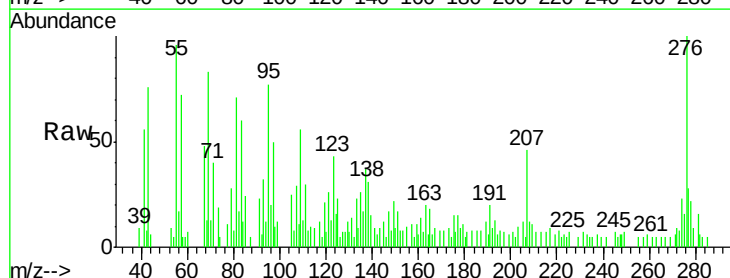
Tgt Ion:276 Resp: 14659

Ion Ratio Lower Upper

276 100

138 25.9 0.0 0.0#

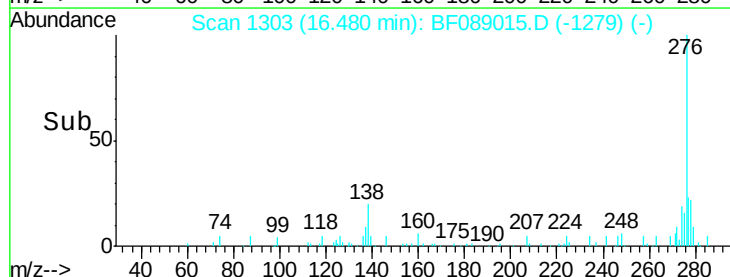
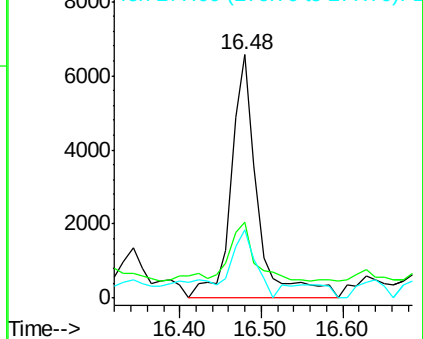
277 24.9 0.0 0.0#

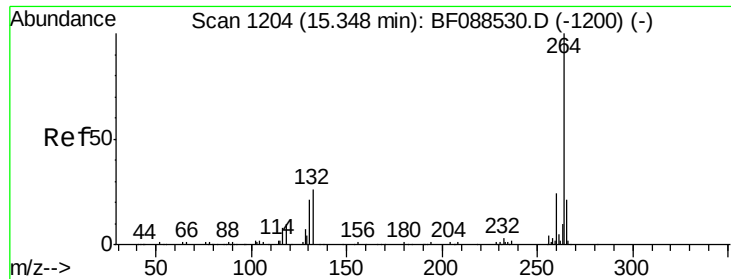


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



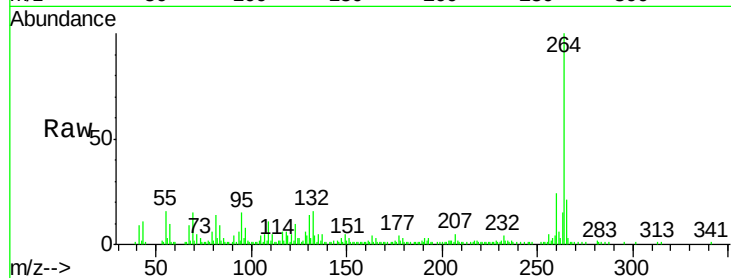


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF089015.D
Acq: 15 Jul 2016 5:49

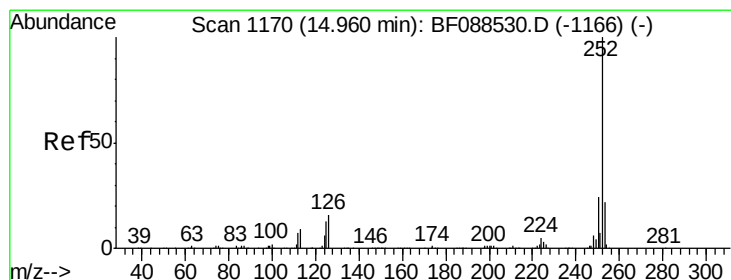
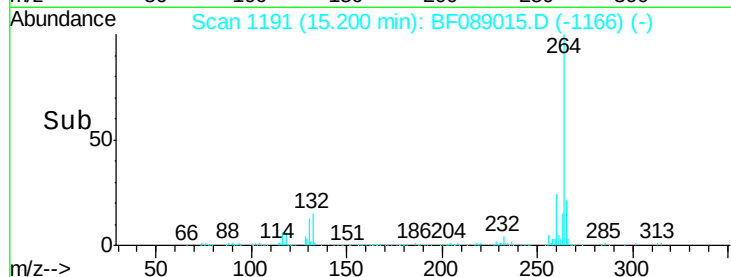
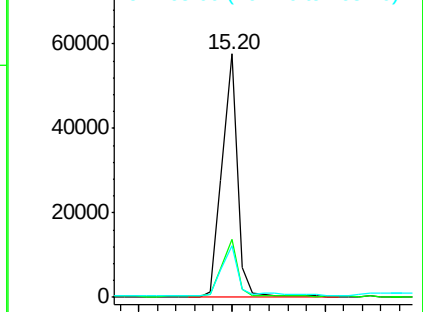
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 264 Resp: 66941

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	16.9	25.3



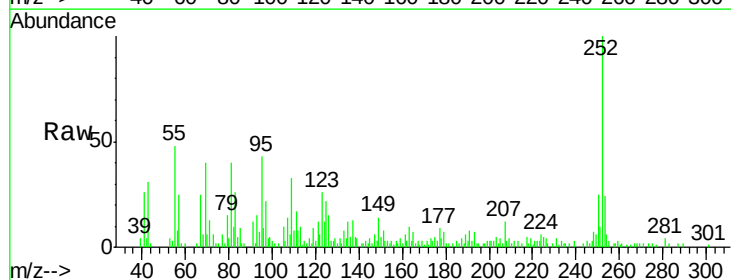
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



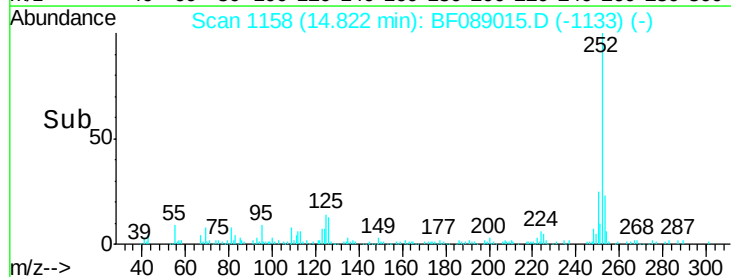
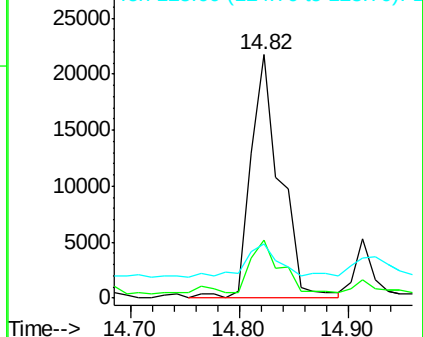
#87
Benzo(b)fluoranthene
Concen: 9.66 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF089015.D
Acq: 15 Jul 2016 5:49

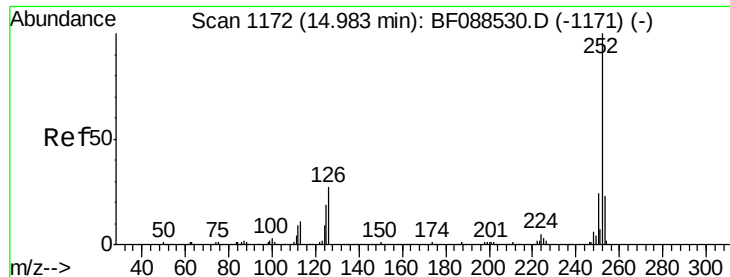
Tgt Ion: 252 Resp: 40583

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	22.0	7.1	10.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 11.10 ng

RT: 14.82 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BF089015.D

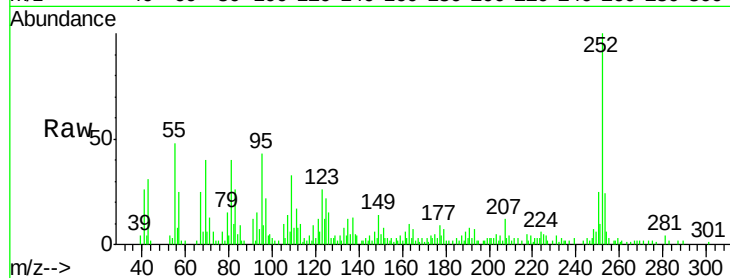
Acq: 15 Jul 2016 5:49

Instrument :

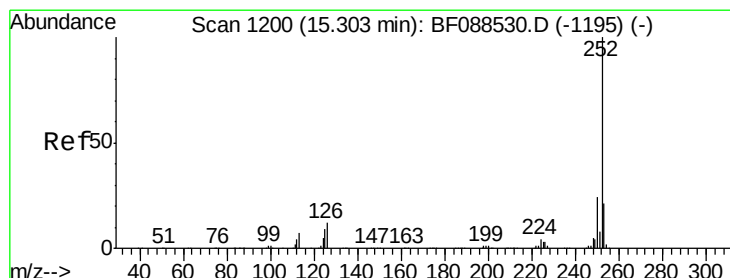
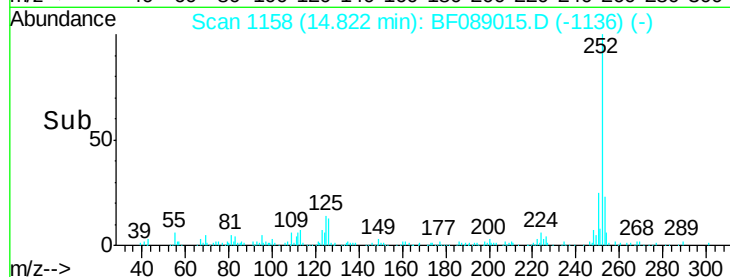
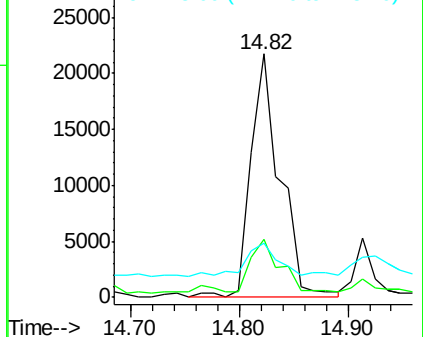
BNA_F

ClientSampled :

Tgt Ion:	252	Resp:	40583
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.0	27.0
125	22.0	11.2	16.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 5.86 ng

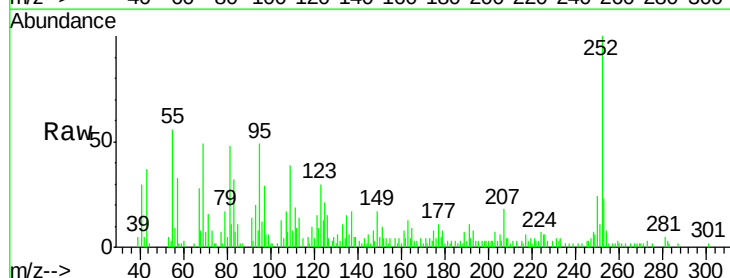
RT: 15.14 min Scan# 1186

Delta R.T. -0.02 min

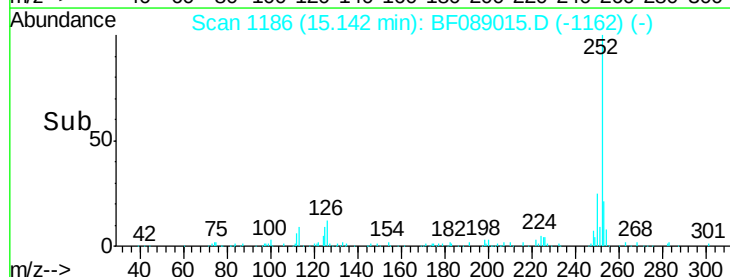
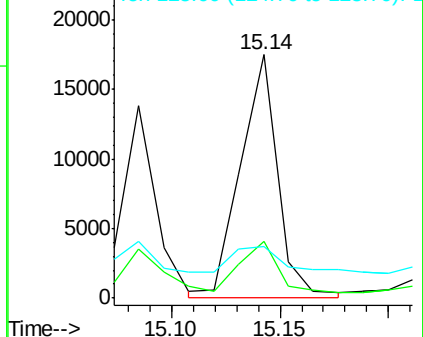
Lab File: BF089015.D

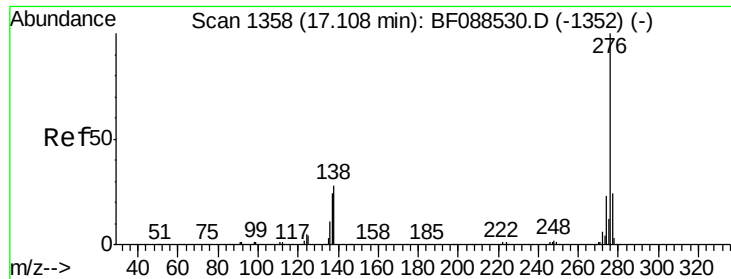
Acq: 15 Jul 2016 5:49

Tgt Ion:	252	Resp:	20833
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.9	26.9
125	21.4	12.5	18.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 4.45 ng

RT: 16.87 min Scan# 1337

Delta R.T. -0.02 min

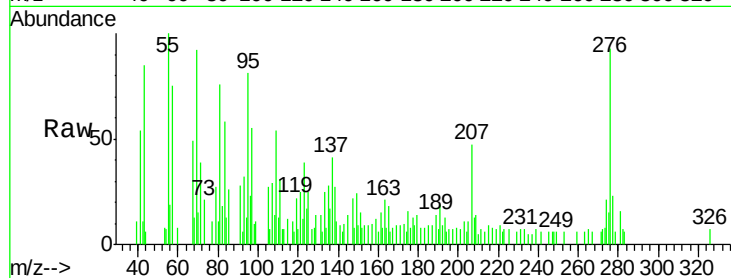
Lab File: BF089015.D

Acq: 15 Jul 2016 5:49

Instrument :

BNA_F

ClientSampleId :



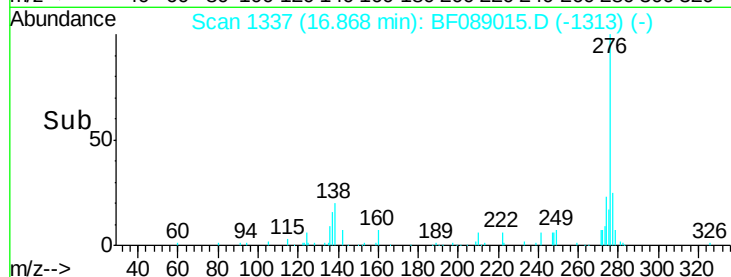
Tgt Ion: 276 Resp: 13686

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 29.5 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

