

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089096.D
 Acq On : 18 Jul 2016 22:11
 Operator : UM/SJ
 Sample : H4046-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C5-3

Quant Time: Jul 19 03:17:25 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

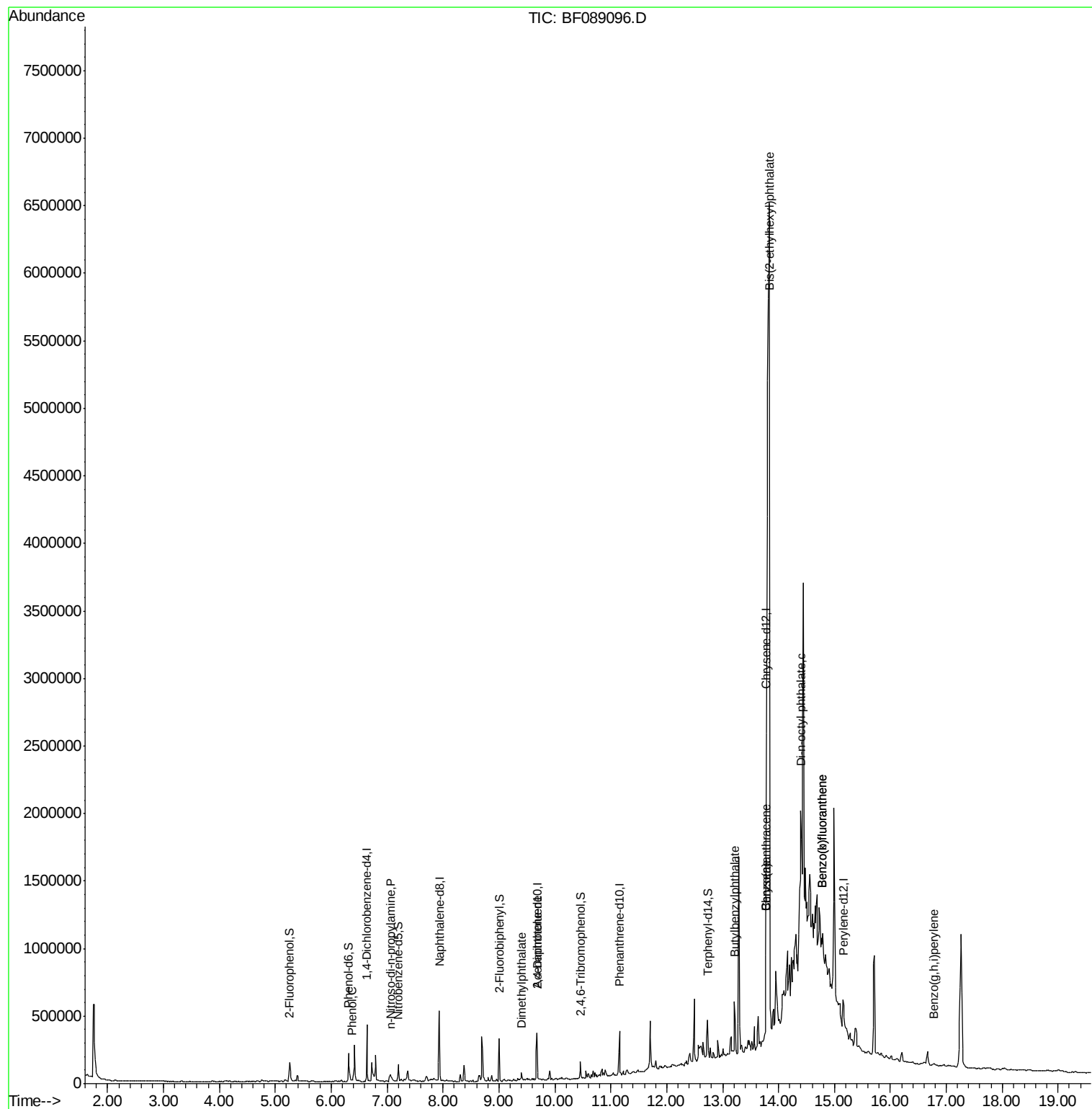
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	55280	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	219066	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	75671	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	131818	20.00	ng	-0.07
75) Chrysene-d12	13.78	240	98411	20.00	ng	-0.07
86) Perylene-d12	15.15	264	71098	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	61773	16.75	ng	-0.03
7) Phenol-d6	6.31	99	90715	19.03	ng	-0.05
23) Nitrobenzene-d5	7.20	82	46099	11.03	ng	-0.08
41) 2,4,6-Tribromophenol	10.46	330	10298	14.66	ng	-0.08
44) 2-Fluorobiphenyl	9.00	172	85953	17.94	ng	-0.07
78) Terphenyl-d14	12.73	244	55143	12.48	ng	-0.07
Target Compounds						
10) Phenol	6.38	94	14735	2.71	ng	Qvalue 90
19) n-Nitroso-di-n-propylamine	7.06	70	11627	3.63	ng	# 1
49) Dimethylphthalate	9.40	163	16876	3.13	ng	98
56) 2,4-Dinitrotoluene	9.68	165	10071	6.45	ng	# 36
79) Butylbenzylphthalate	13.21	149	118532	31.85	ng	# 66
80) Benzo(a)anthracene	13.77	228	16504	2.60	ng	# 73
82) Chrysene	13.77	228	16504	2.63	ng	# 79
83) Bis(2-ethylhexyl)phthalate	13.84	149	6137755	1444.43	ng	# 95
84) Di-n-octyl phthalate	14.40	149	1759011	243.67	ng	# 100
87) Benzo(b)fluoranthene	14.79	252	20180	4.52	ng	# 62
88) Benzo(k)fluoranthene	14.79	252	20180	5.20	ng	# 64
91) Benzo(g,h,i)perylene	16.78	276	7581	2.32	ng	# 91

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

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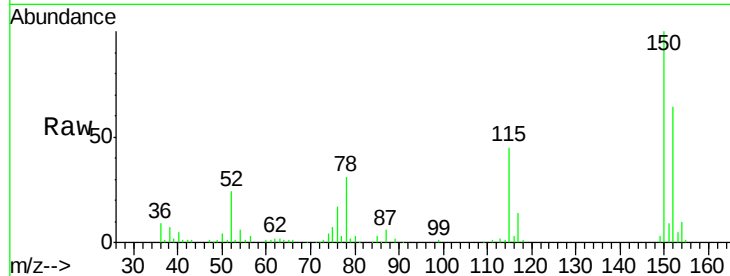


#1

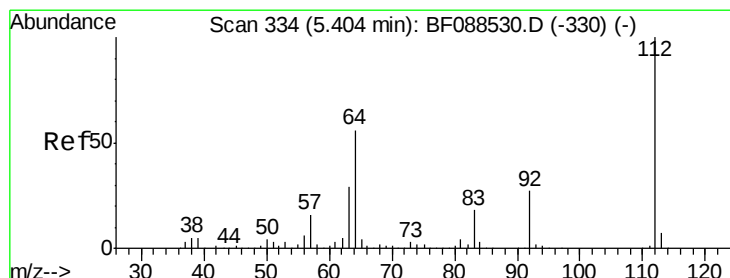
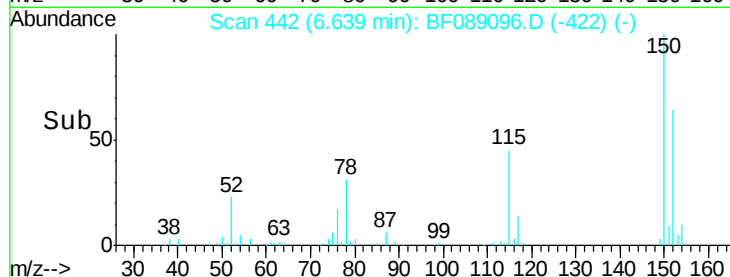
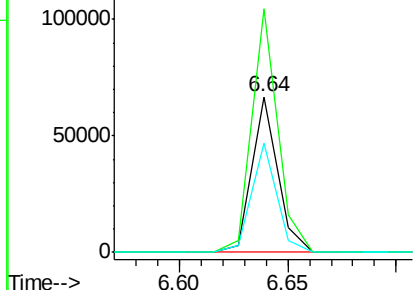
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.07 min
Lab File: BF089096.D
Acq: 18 Jul 2016 22:11

Instrument :
BNA_F
ClientSampleId :
C5-3

Tgt Ion:152 Resp: 55280
Ion Ratio Lower Upper
152 100
150 156.5 123.8 185.6
115 70.6 39.6 59.4#



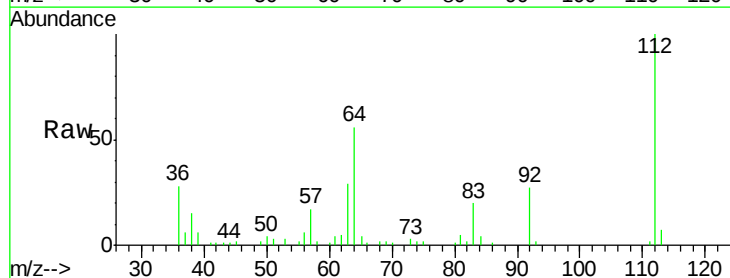
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



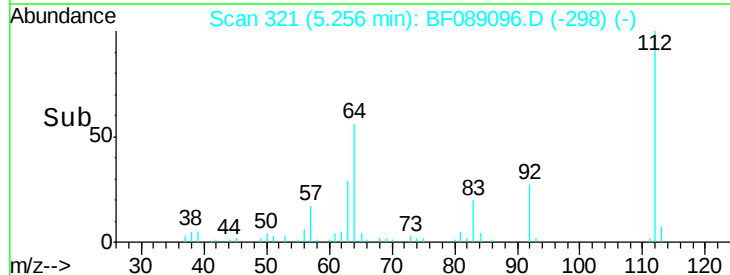
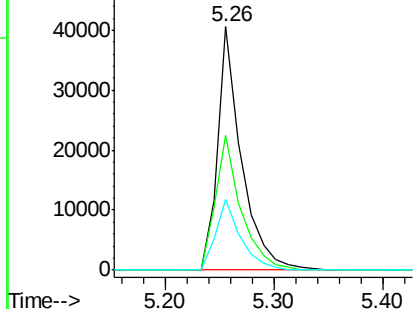
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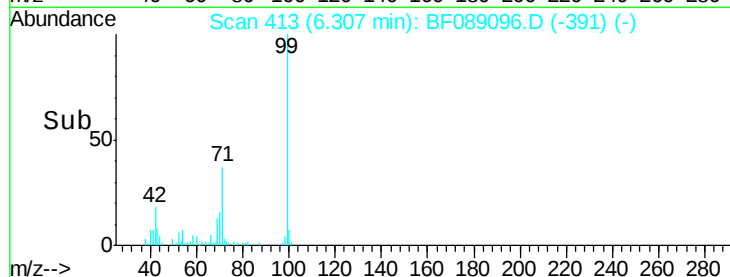
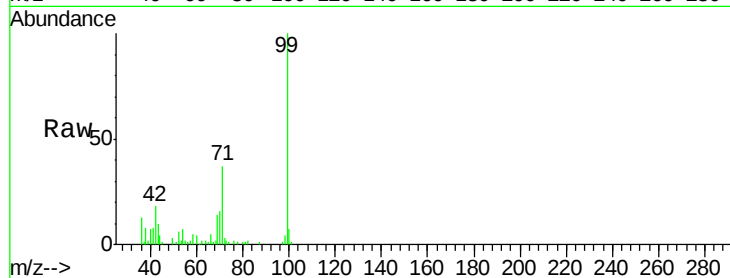
2-Fluorophenol
Concen: 16.75 ng
RT: 5.26 min Scan# 321
Delta R.T. -0.03 min
Lab File: BF089096.D
Acq: 18 Jul 2016 22:11

Tgt Ion:112 Resp: 61773
Ion Ratio Lower Upper
112 100
64 55.5 42.2 63.2
63 29.0 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: 19.03 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

Instrument :

BNA_F

ClientSampleId :

C5-3

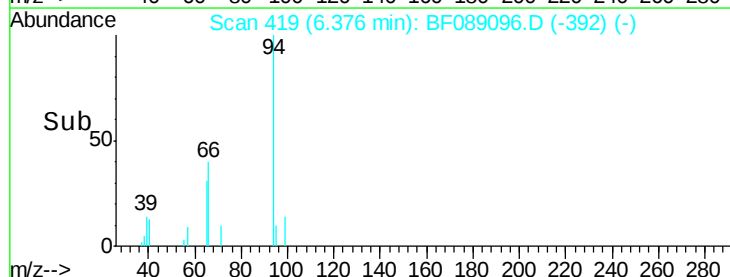
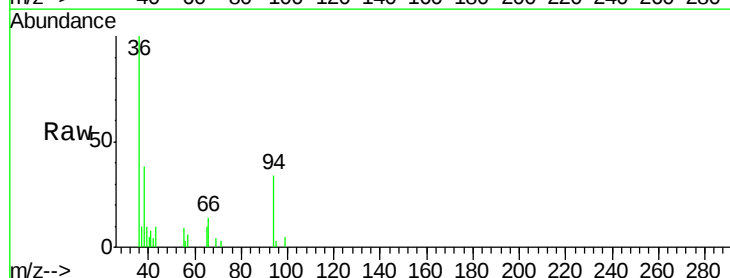
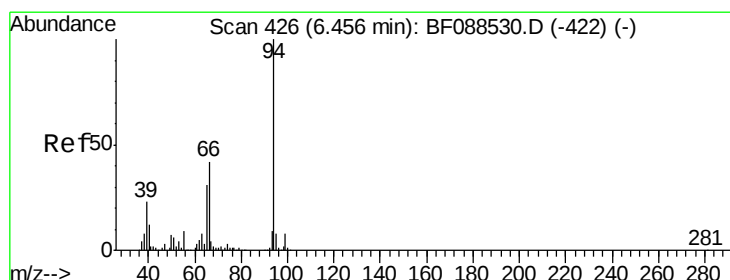
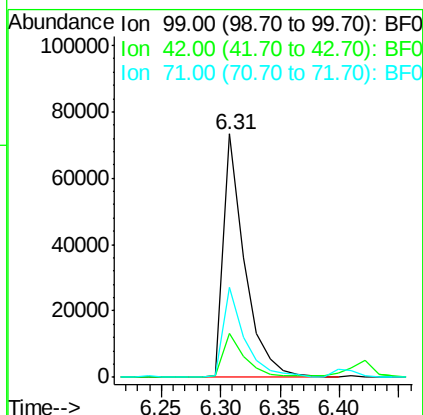
Tgt Ion: 99 Resp: 90715

Ion Ratio Lower Upper

99 100

42 18.0 12.2 18.2

71 36.8 23.4 35.0#



#10

Phenol

Concen: 2.71 ng

RT: 6.38 min Scan# 419

Delta R.T. 0.01 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

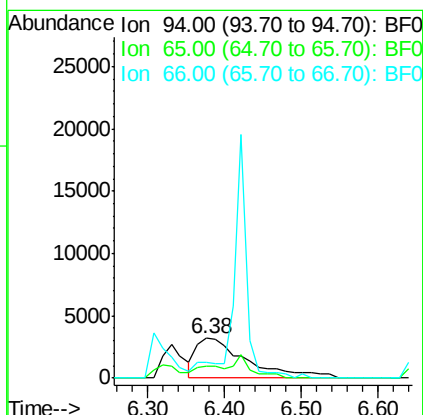
Tgt Ion: 94 Resp: 14735

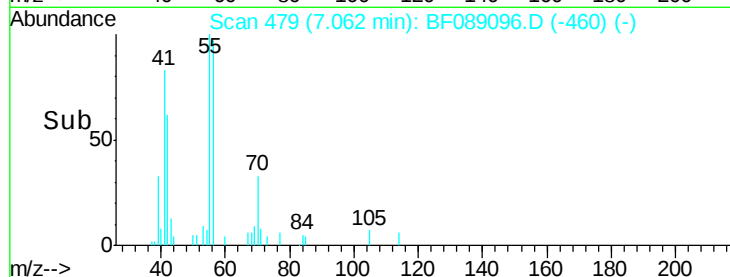
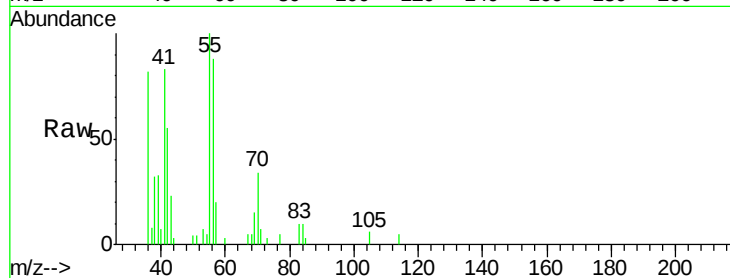
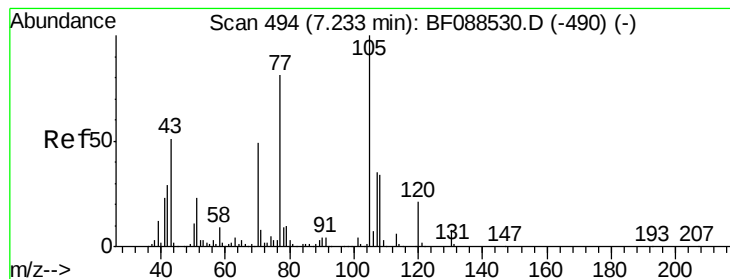
Ion Ratio Lower Upper

94 100

65 30.9 5.9 45.9

66 40.1 14.0 54.0





#19

n-Nitroso-di-n-propylamine

Concen: 3.63 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.08 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

Instrument :

BNA_F

ClientSampleId :

C5-3

Tgt Ion: 70 Resp: 11627

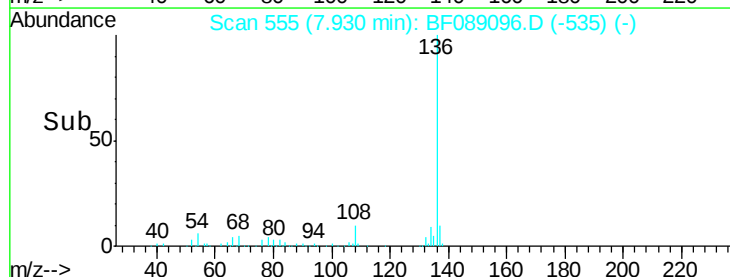
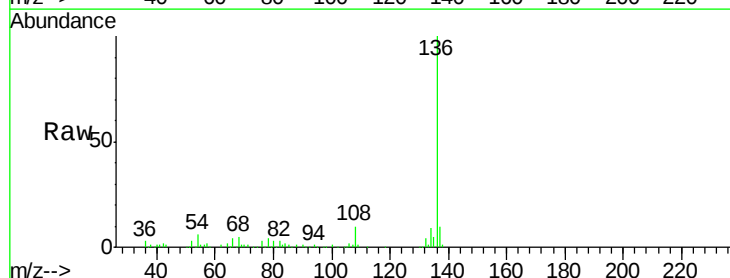
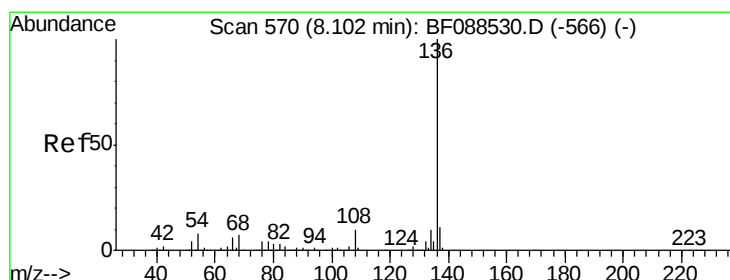
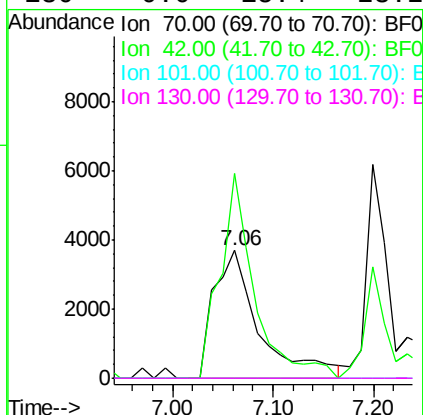
Ion Ratio Lower Upper

70 100

42 160.3 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.07 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

Tgt Ion: 136 Resp: 219066

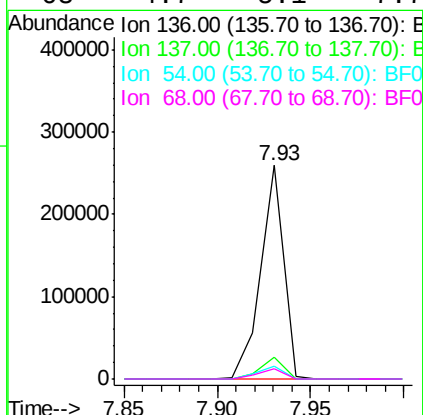
Ion Ratio Lower Upper

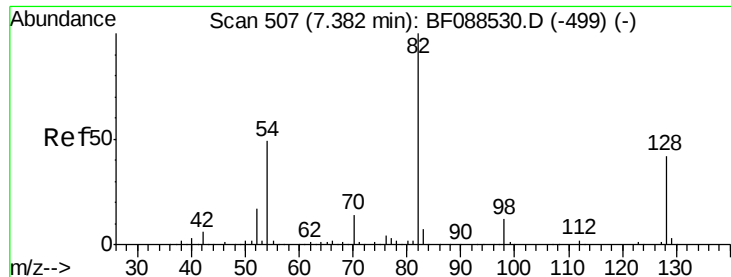
136 100

137 10.5 9.1 13.7

54 5.9 6.6 10.0#

68 4.7 5.1 7.7#

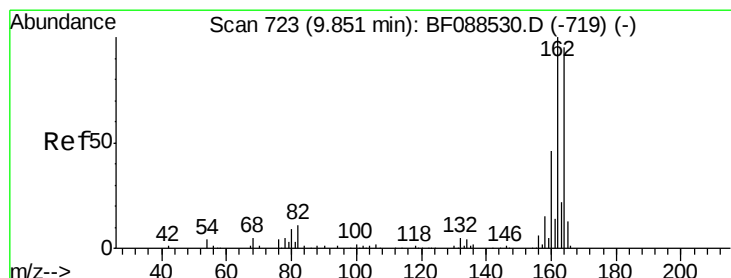
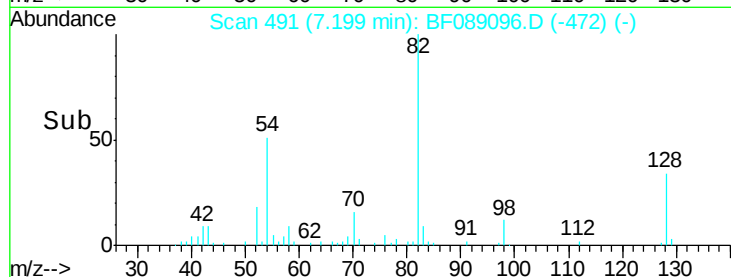
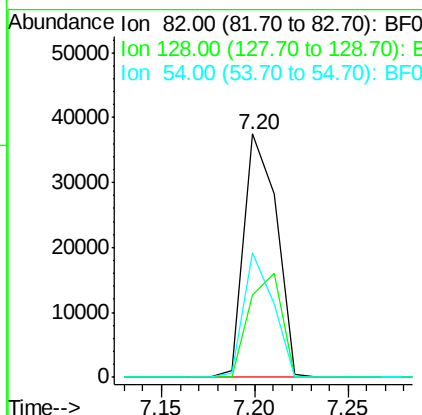
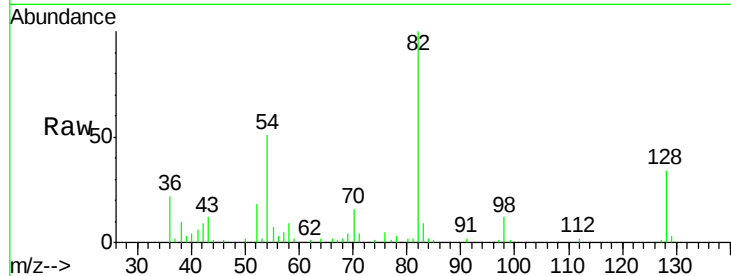




#23
 Nitrobenzene-d5
 Concen: 11.03 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.08 min
 Lab File: BF089096.D
 Acq: 18 Jul 2016 22:11

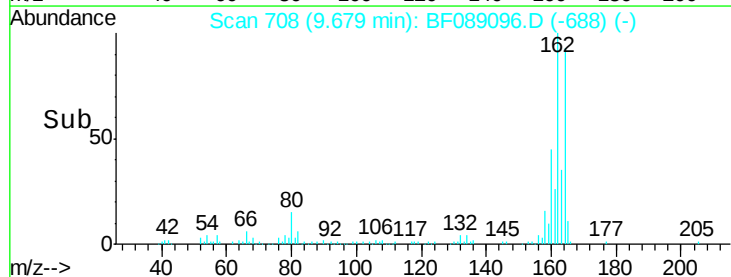
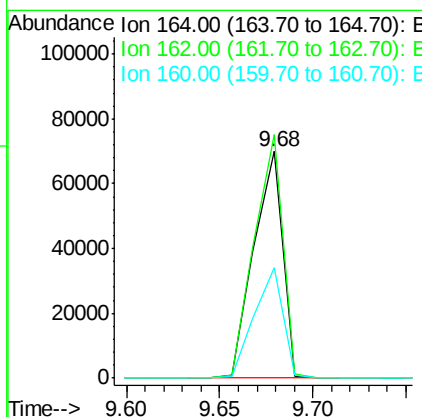
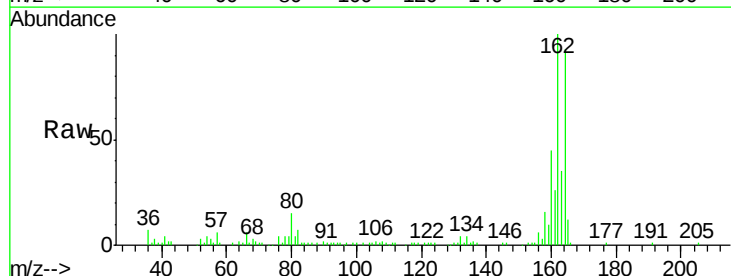
Instrument :
 BNA_F
 ClientSampled :
 C5-3

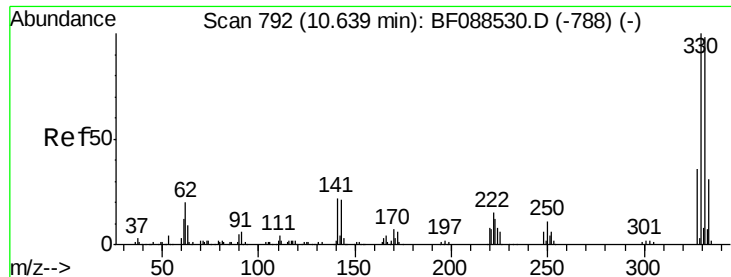
Tgt Ion: 82 Resp: 46099
 Ion Ratio Lower Upper
 82 100
 128 34.1 35.9 53.9#
 54 51.4 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.07 min
 Lab File: BF089096.D
 Acq: 18 Jul 2016 22:11

Tgt Ion:164 Resp: 75671
 Ion Ratio Lower Upper
 164 100
 162 107.5 85.4 128.2
 160 48.6 39.5 59.3

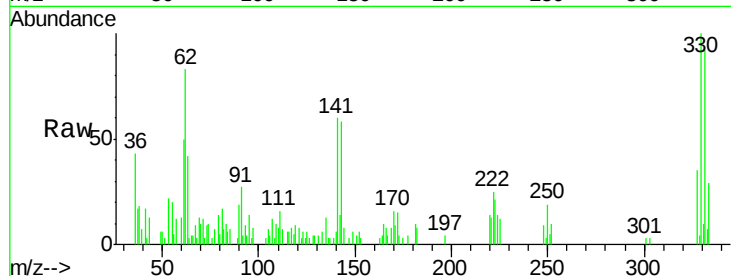




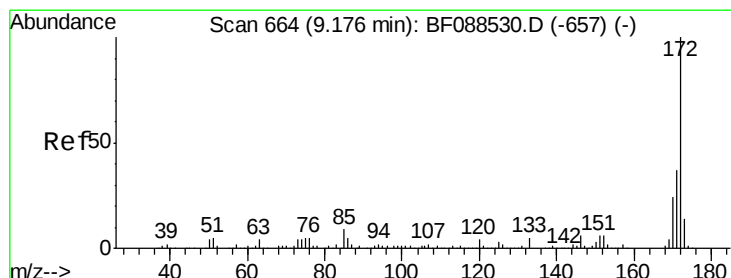
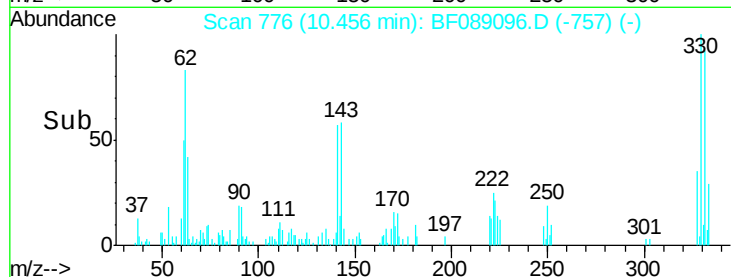
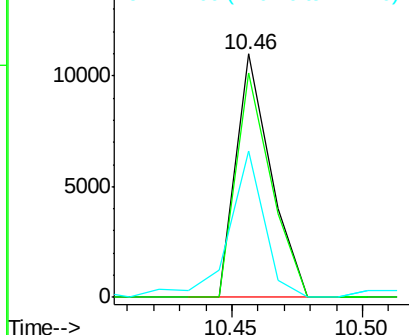
#41
 2,4,6-Tribromophenol
 Concen: 14.66 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.08 min
 Lab File: BF089096.D
 Acq: 18 Jul 2016 22:11

Instrument :
 BNA_F
 ClientSampled :
 C5-3

Tgt Ion: 330 Resp: 10298
 Ion Ratio Lower Upper
 330 100
 332 92.5 0.0 0.0#
 141 64.1 0.0 0.0#

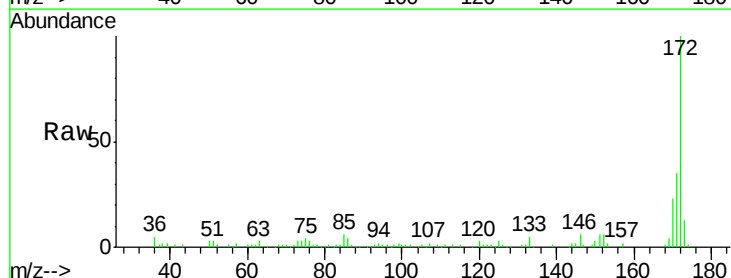


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

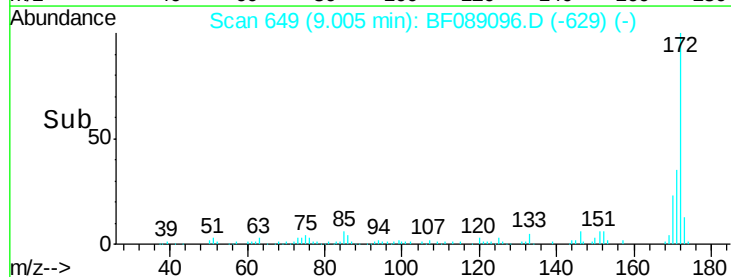
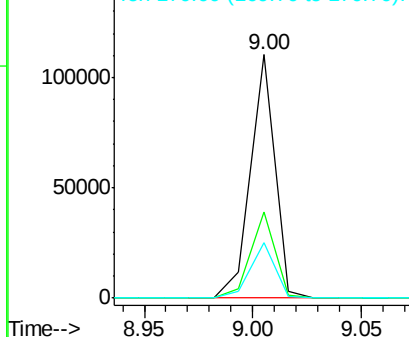


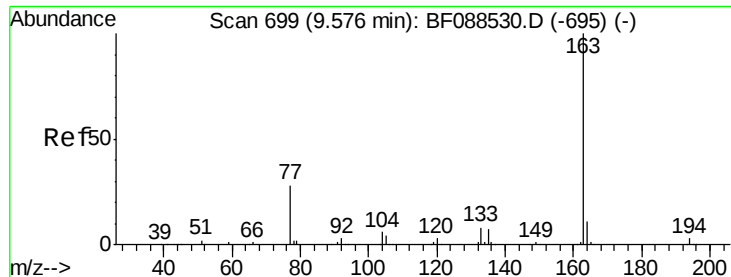
#44
 2-Fluorobiphenyl
 Concen: 17.94 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.07 min
 Lab File: BF089096.D
 Acq: 18 Jul 2016 22:11

Tgt Ion: 172 Resp: 85953
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 22.9 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

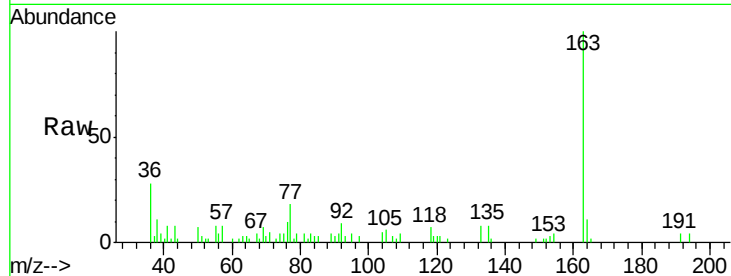




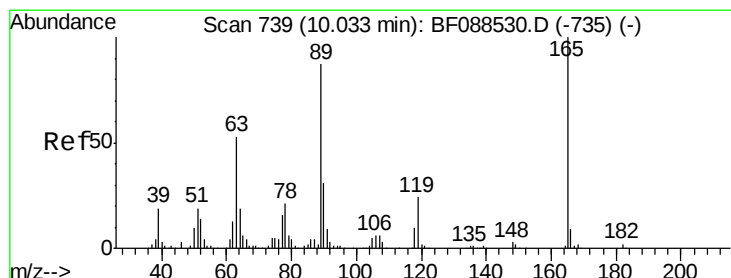
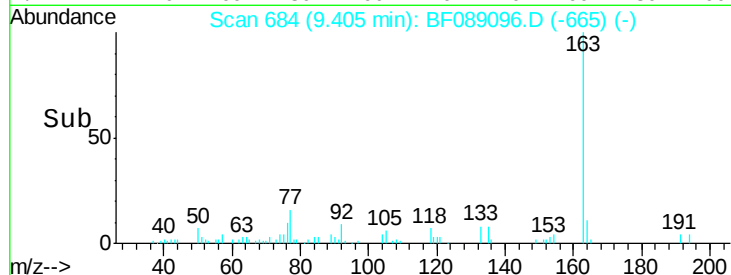
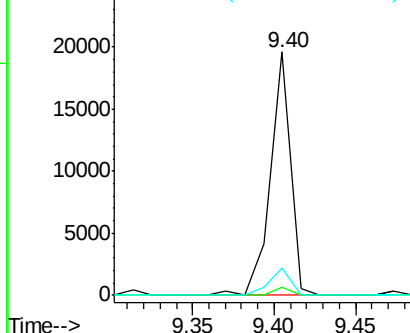
#49
Dimethylphthalate
Concen: 3.13 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.08 min
Lab File: BF089096.D
Acq: 18 Jul 2016 22:11

Instrument :
BNA_F
ClientSampled :
C5-3

Tgt Ion:163 Resp: 16876
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 11.2 8.3 12.5

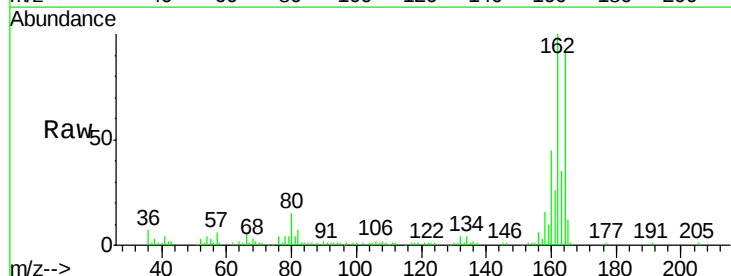


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

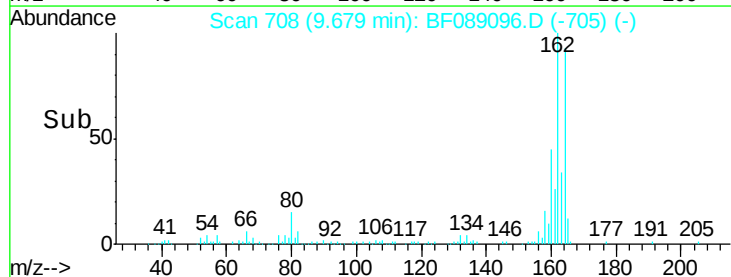
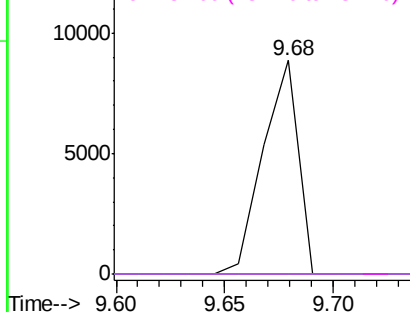


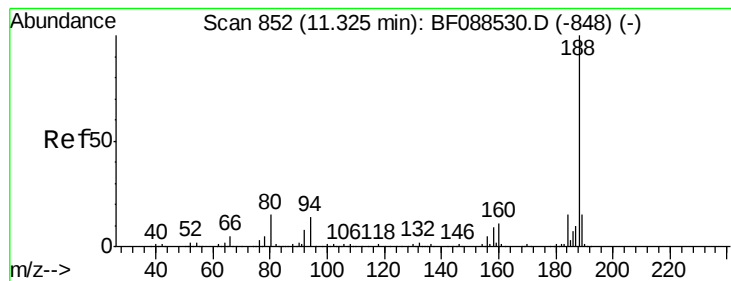
#56
2,4-Dinitrotoluene
Concen: 6.45 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.26 min
Lab File: BF089096.D
Acq: 18 Jul 2016 22:11

Tgt Ion:165 Resp: 10071
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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.07 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

Instrument :

BNA_F

ClientSampleId :

C5-3

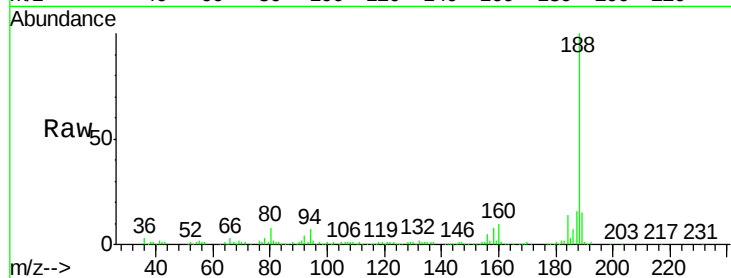
Tgt Ion:188 Resp: 131818

Ion Ratio Lower Upper

188 100

94 7.1 9.0 13.6#

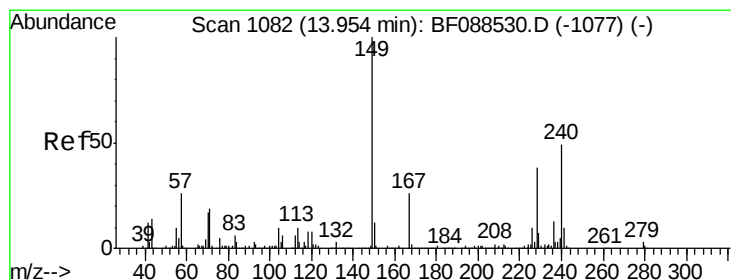
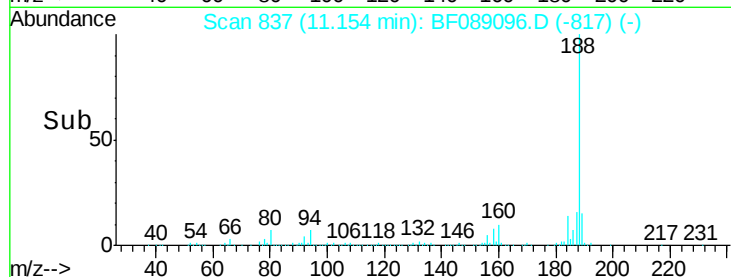
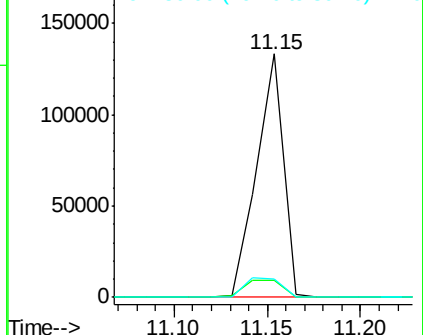
80 7.5 10.0 15.0#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.07 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

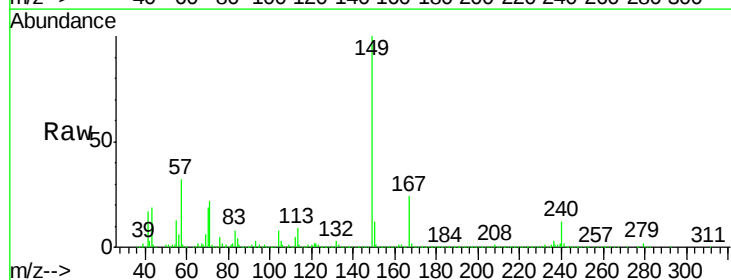
Tgt Ion:240 Resp: 98411

Ion Ratio Lower Upper

240 100

120 8.0 6.8 10.2

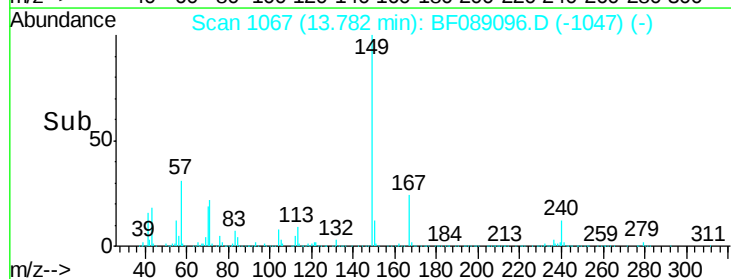
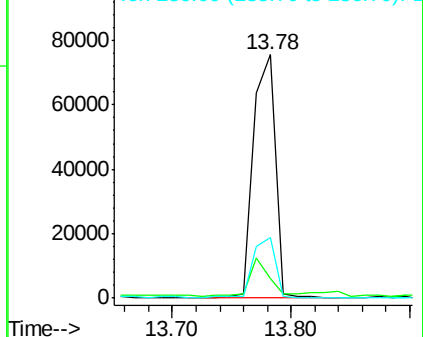
236 25.0 20.2 30.2

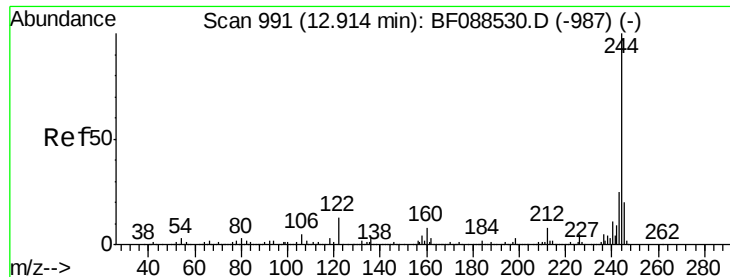


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

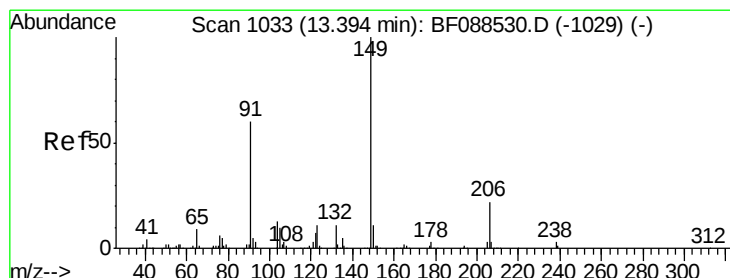
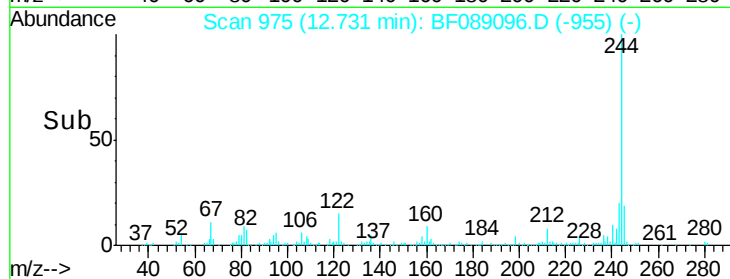
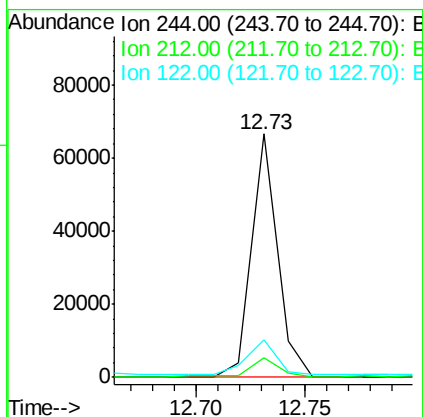
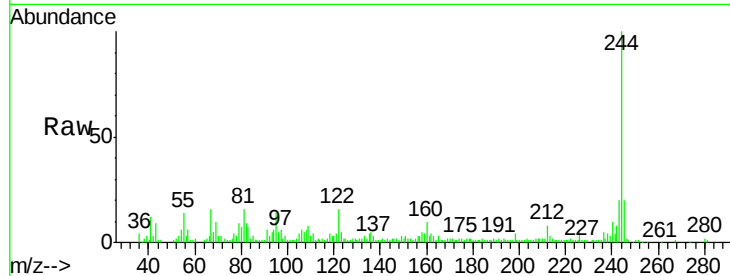




#78
 Terphenyl-d14
 Concen: 12.48 ng
 RT: 12.73 min Scan# 975
 Delta R.T. -0.07 min
 Lab File: BF089096.D
 Acq: 18 Jul 2016 22:11

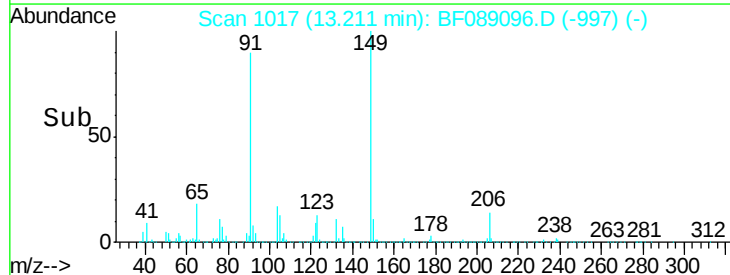
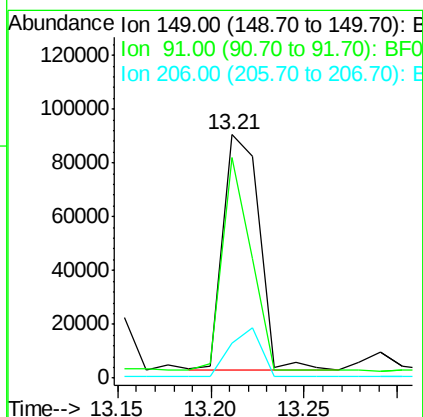
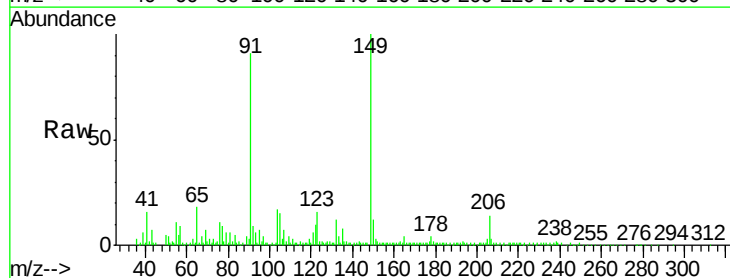
Instrument :
 BNA_F
 ClientSampleId :
 C5-3

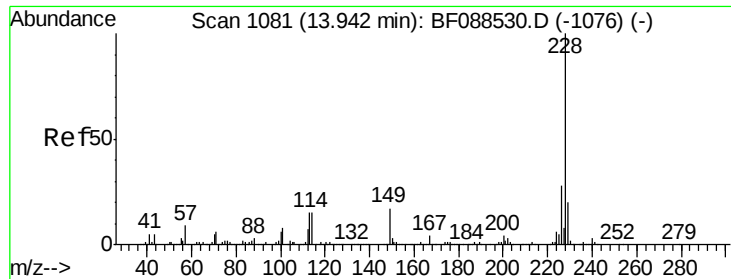
Tgt Ion:244 Resp: 55143
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.0 9.0
 122 15.6 11.2 16.8



#79
 Butylbenzylphthalate
 Concen: 31.85 ng
 RT: 13.21 min Scan# 1017
 Delta R.T. -0.07 min
 Lab File: BF089096.D
 Acq: 18 Jul 2016 22:11

Tgt Ion:149 Resp: 118532
 Ion Ratio Lower Upper
 149 100
 91 90.7 48.0 72.0#
 206 14.3 16.0 24.0#





#80

Benzo(a)anthracene

Concen: 2.60 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.07 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

Instrument :

BNA_F

ClientSampled :

C5-3

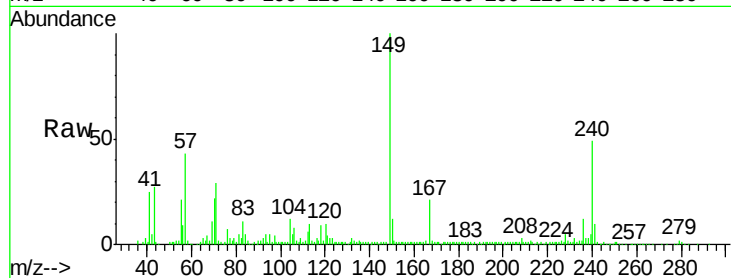
Tgt Ion:228 Resp: 16504

Ion Ratio Lower Upper

228 100

226 40.7 22.3 33.5#

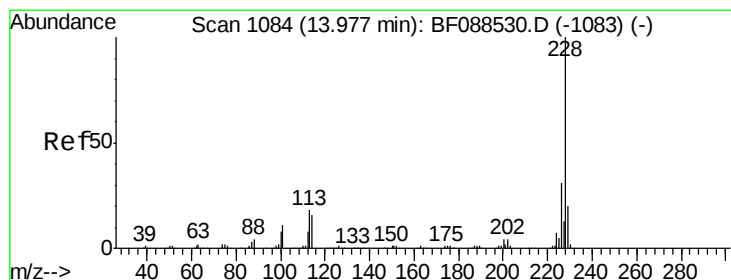
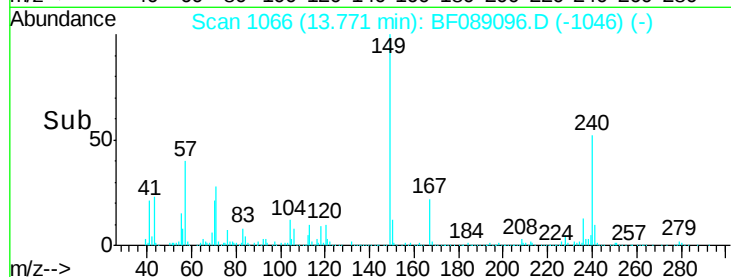
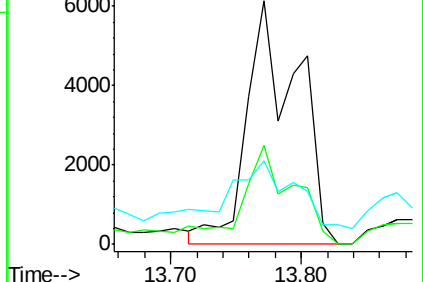
229 34.3 16.0 24.0#



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: 2.63 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.10 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

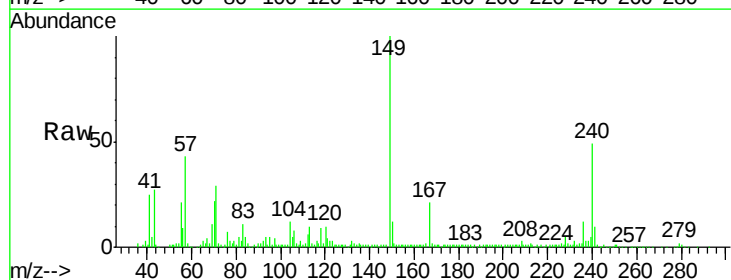
Tgt Ion:228 Resp: 16504

Ion Ratio Lower Upper

228 100

226 40.7 25.4 38.2#

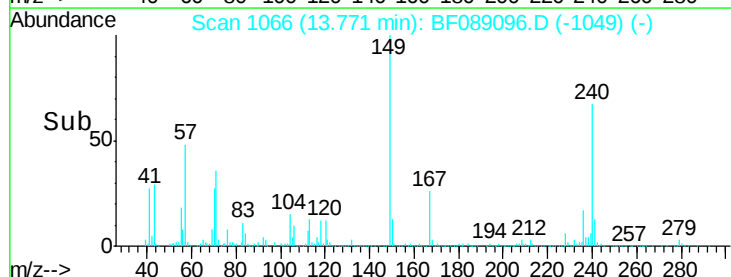
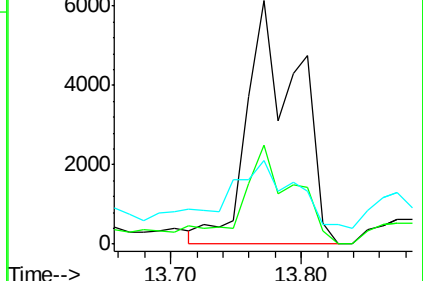
229 34.3 16.3 24.5#

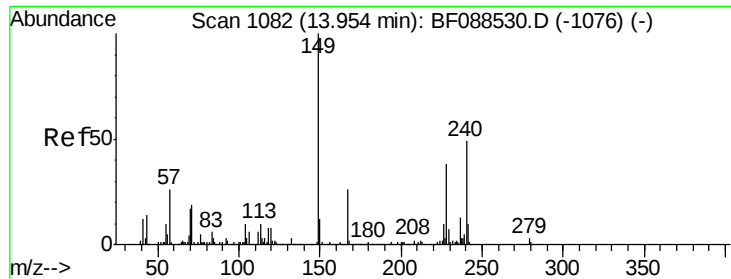


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

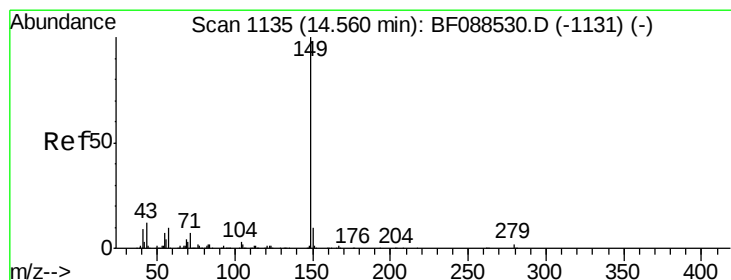
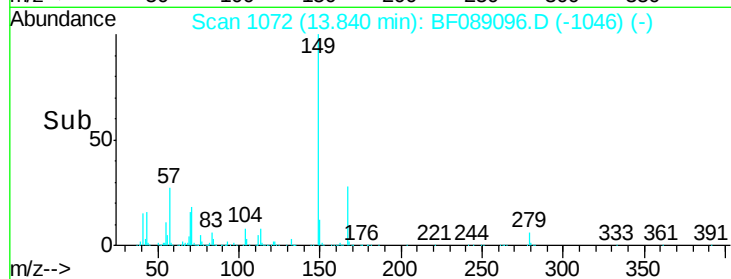
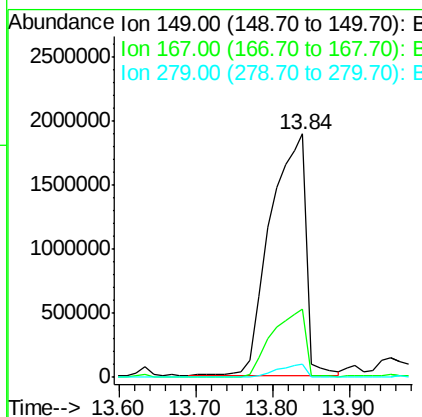
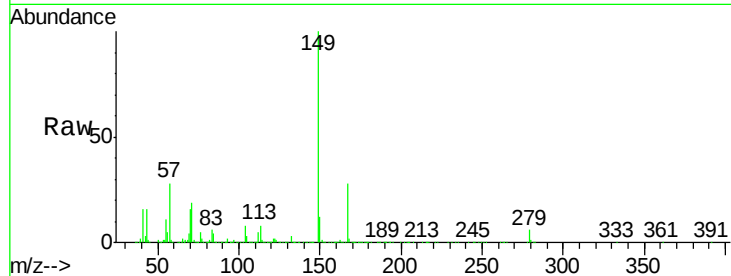




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1444.43 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: BF089096.D
 Acq: 18 Jul 2016 22:11

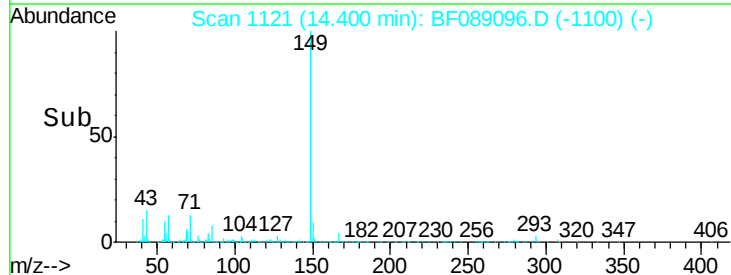
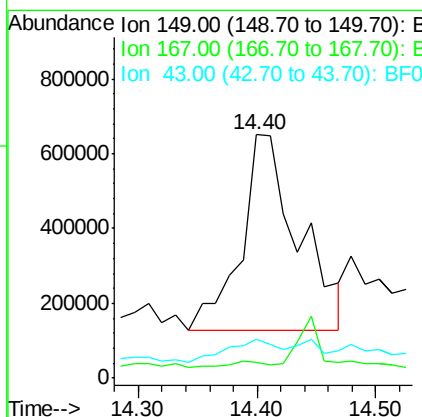
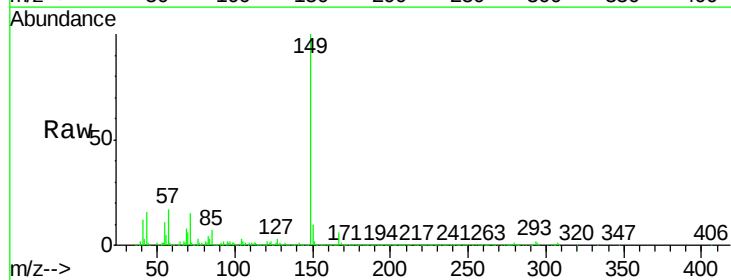
Instrument :
 BNA_F
 ClientSampleId :
 C5-3

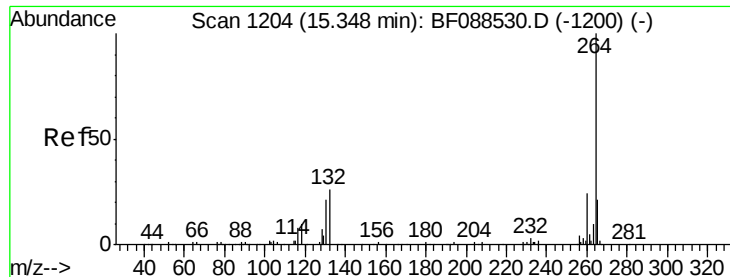
Tgt Ion:149 Resp: 6137755
 Ion Ratio Lower Upper
 149 100
 167 28.1 20.5 30.7
 279 5.7 2.0 3.0#



#84
 Di-n-octyl phthalate
 Concen: 243.67 ng
 RT: 14.40 min Scan# 1121
 Delta R.T. -0.06 min
 Lab File: BF089096.D
 Acq: 18 Jul 2016 22:11

Tgt Ion:149 Resp: 1759011
 Ion Ratio Lower Upper
 149 100
 167 2.6 0.0 0.0#
 43 10.3 0.0 0.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.15 min Scan# 1187

Delta R.T. -0.06 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

Instrument :

BNA_F

ClientSampleId :

C5-3

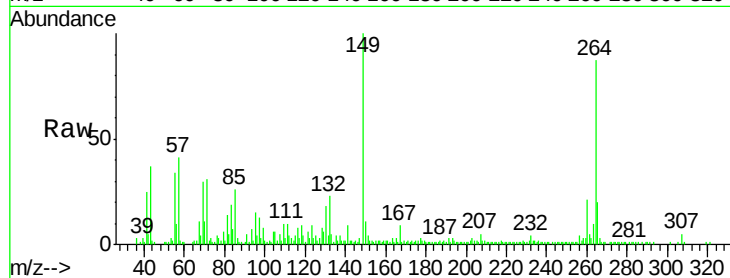
Tgt Ion:264 Resp: 71098

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

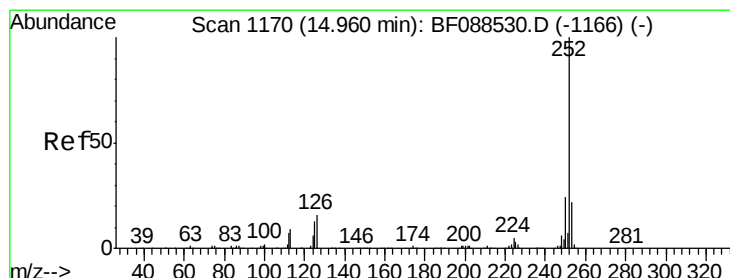
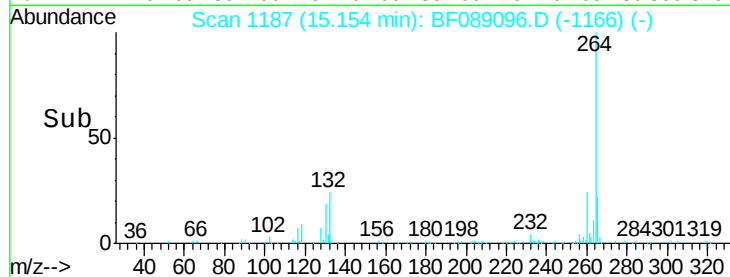
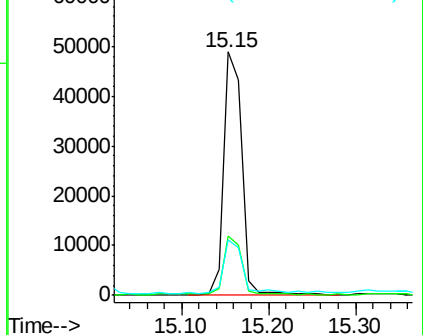
265 22.8 16.9 25.3



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: 4.52 ng

RT: 14.79 min Scan# 1155

Delta R.T. -0.05 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

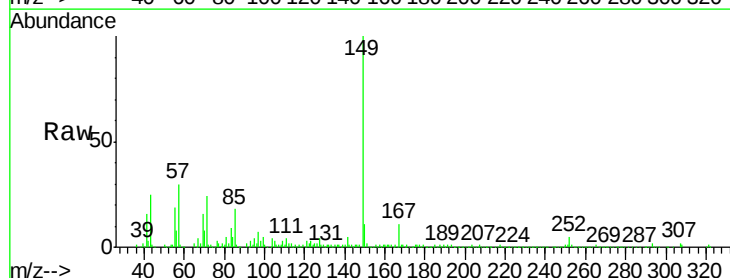
Tgt Ion:252 Resp: 20180

Ion Ratio Lower Upper

252 100

253 27.1 17.4 26.2#

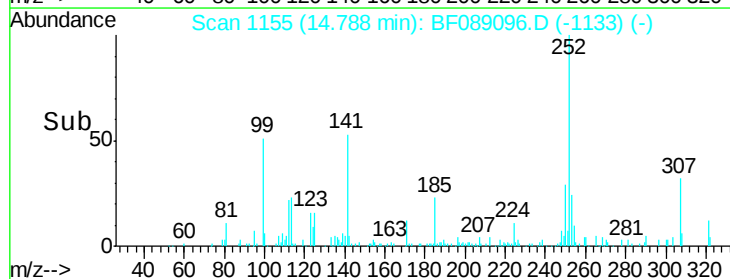
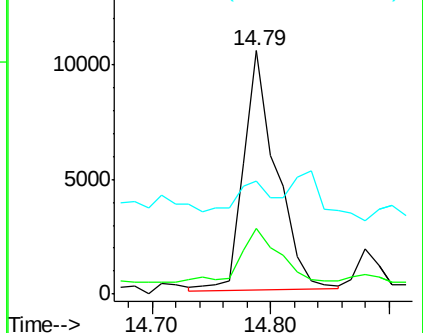
125 46.3 7.1 10.7#

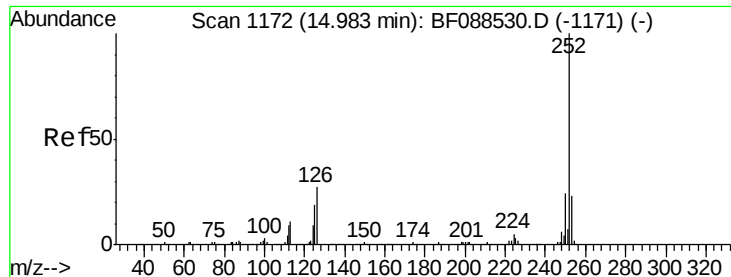


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 5.20 ng

RT: 14.79 min Scan# 1155

Delta R.T. -0.08 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

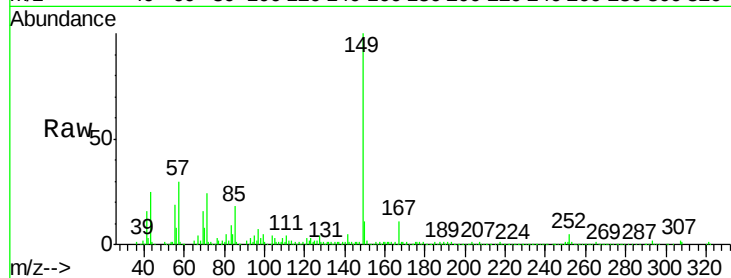
Instrument :

BNA_F

ClientSampleId :

C5-3

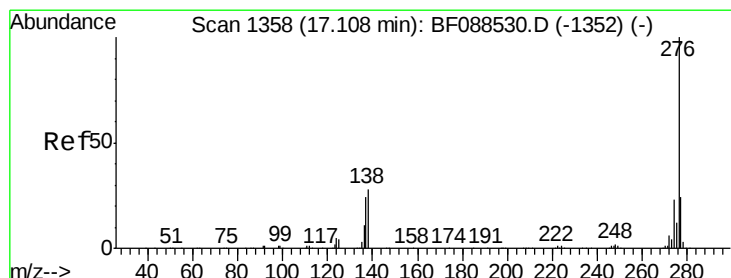
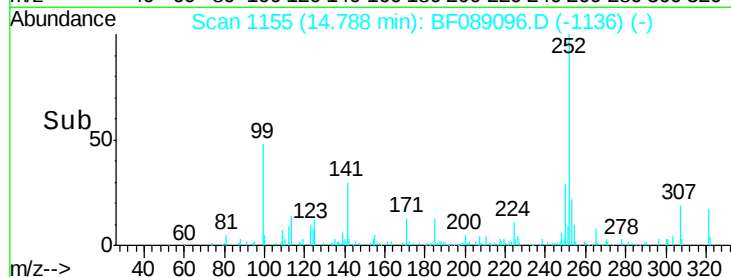
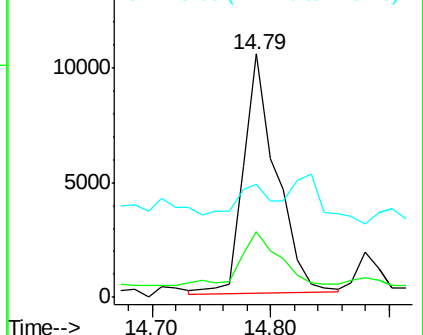
Tgt Ion:	252	Resp:	20180
Ion Ratio		Lower	Upper
252	100		
253	27.1	18.0	27.0#
125	46.3	11.2	16.8#



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



#91

Benzo(g,h,i)perylene

Concen: 2.32 ng

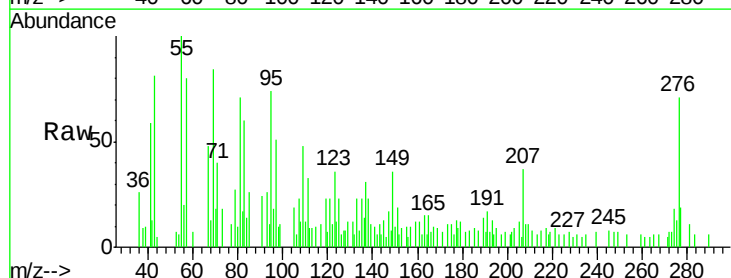
RT: 16.78 min Scan# 1329

Delta R.T. -0.11 min

Lab File: BF089096.D

Acq: 18 Jul 2016 22:11

Tgt Ion:	276	Resp:	7581
Ion Ratio		Lower	Upper
276	100		
277	26.3	18.9	28.3
138	32.8	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

