

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087887.D
 Acq On : 10 Jun 2016 21:17
 Operator : UM/SJ
 Sample : H3395-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-946-PLATFORM(0-4)

Quant Time: Jun 11 02:01:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

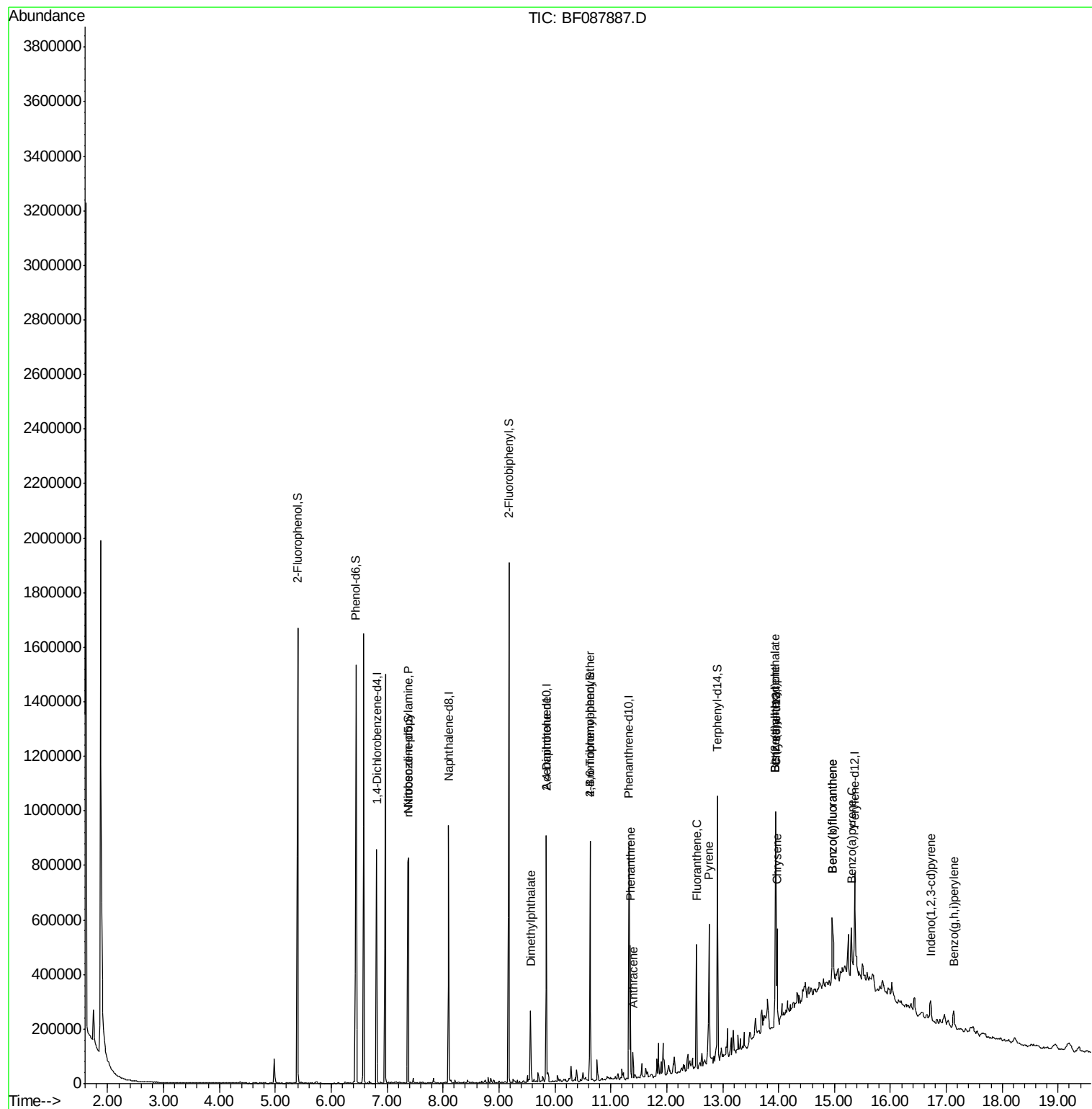
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	118307	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	462665	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	187535	20.00	ng	-0.03
63) Phenanthrene-d10	11.33	188	280097	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	227697	20.00	ng	-0.03
86) Perylene-d12	15.36	264	179064	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	537922	77.73	ng	-0.02
7) Phenol-d6	6.44	99	545064	64.99	ng	-0.03
23) Nitrobenzene-d5	7.38	82	412101	52.01	ng	-0.03
41) 2,4,6-Tribromophenol	10.63	330	100287	50.65	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	615232	49.20	ng	-0.03
78) Terphenyl-d14	12.90	244	352678	35.25	ng	-0.05
Target Compounds						
10) Phenol	6.46	94	7237	Below Cal	#	72
19) n-Nitroso-di-n-propylamine	7.37	70	52120	9.71 ng	#	75
45) 1,1'-Biphenyl	9.27	154	1496	Below Cal		93
49) Dimethylphthalate	9.56	163	91360	6.73 ng		99
56) 2,4-Dinitrotoluene	9.85	165	24304	6.08 ng	#	38
57) Fluorene	10.39	166	12057	Below Cal	#	94
66) 4-Bromophenyl-phenylether	10.63	248	6573	2.19 ng	#	1
70) Phenanthrene	11.35	178	166485	11.33 ng		98
71) Anthracene	11.39	178	41031	2.77 ng		98
74) Fluoranthene	12.54	202	272677	17.58 ng		93
77) Pyrene	12.75	202	242796	14.37 ng		97
80) Benzo(a)anthracene	13.94	228	122787	9.46 ng		96
82) Chrysene	13.98	228	103110	8.45 ng		97
83) Bis(2-ethylhexyl)phthalate	13.94	149	85314	9.38 ng		98
85) Indeno(1,2,3-cd)pyrene	16.72	276	44076	3.89 ng	#	100
87) Benzo(b)fluoranthene	14.96	252	160440	12.86 ng	#	92
88) Benzo(k)fluoranthene	14.96	252	160440	17.04 ng	#	96
89) Benzo(a)pyrene	15.30	252	80430	7.97 ng		99
91) Benzo(g,h,i)perylene	17.13	276	41843	4.34 ng		97

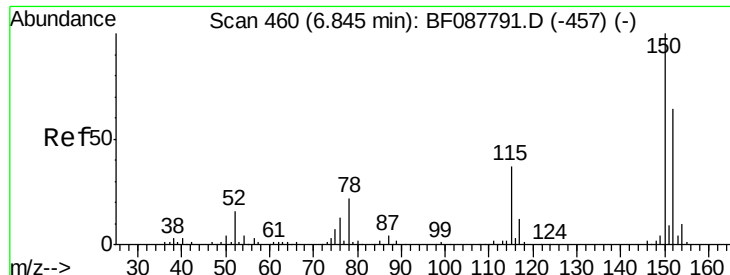
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Instrument :

BNA_F

ClientSampleId :

STA-946-PLATFORM(0-4)

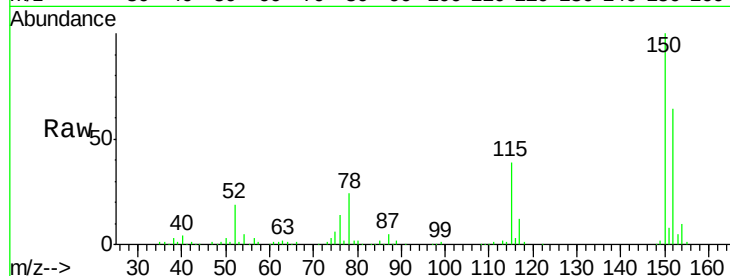
Tgt Ion:152 Resp: 118307

Ion Ratio Lower Upper

152 100

150 156.0 123.8 185.6

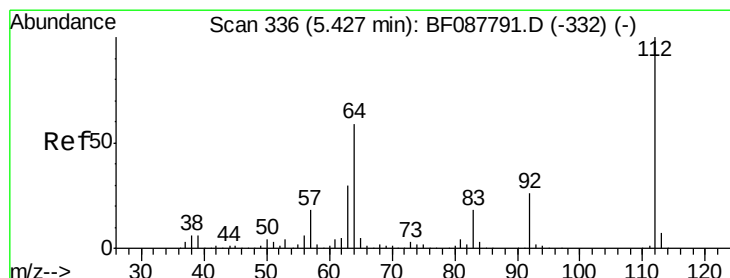
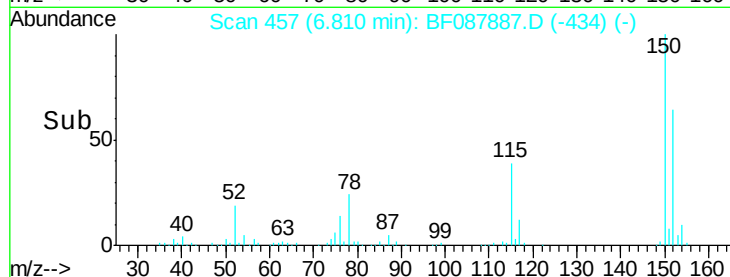
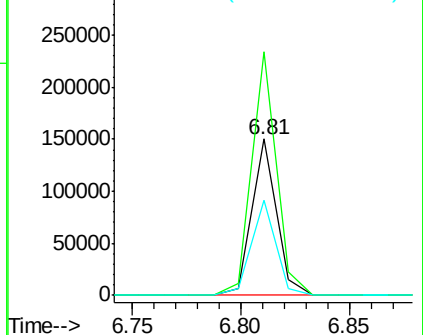
115 61.2 39.6 59.4#



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: 77.73 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

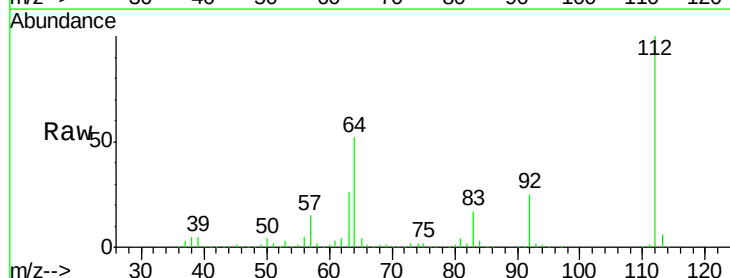
Tgt Ion:112 Resp: 537922

Ion Ratio Lower Upper

112 100

64 52.1 42.2 63.2

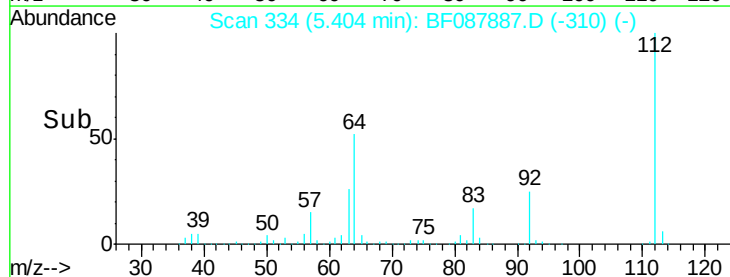
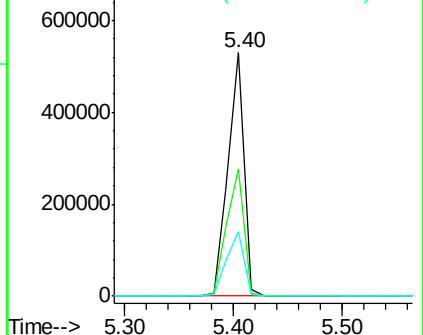
63 26.5 21.8 32.8

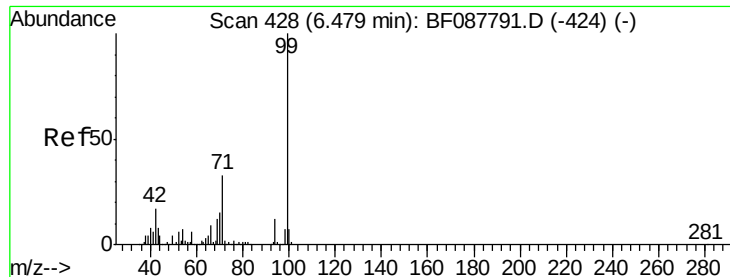


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 64.99 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Instrument :

BNA_F

ClientSampleId :

STA-946-PLATFORM(0-4)

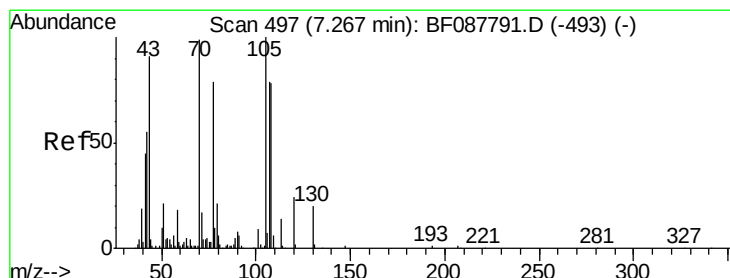
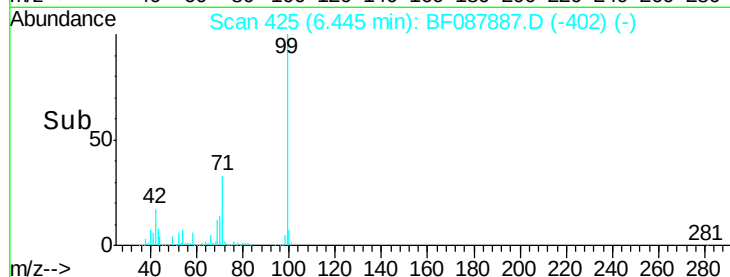
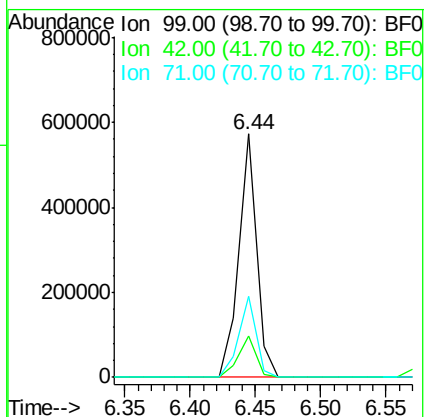
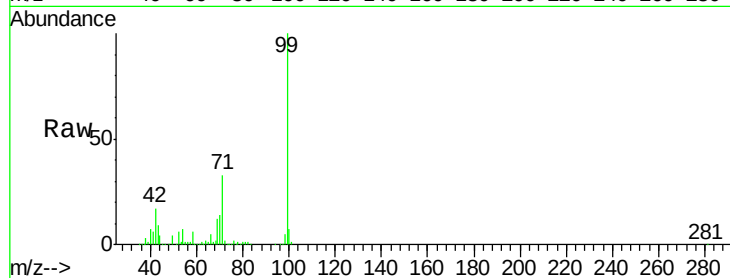
Tgt Ion: 99 Resp: 545064

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

71 33.3 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.71 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Tgt Ion: 70 Resp: 52120

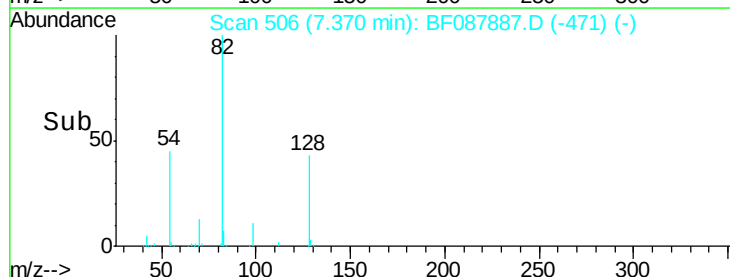
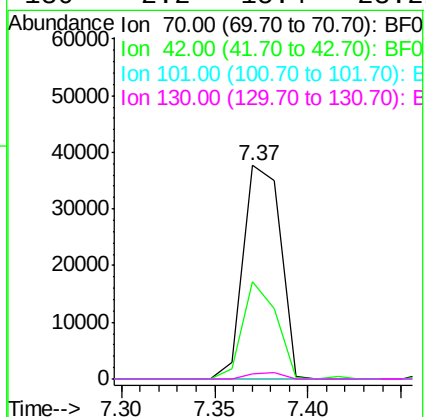
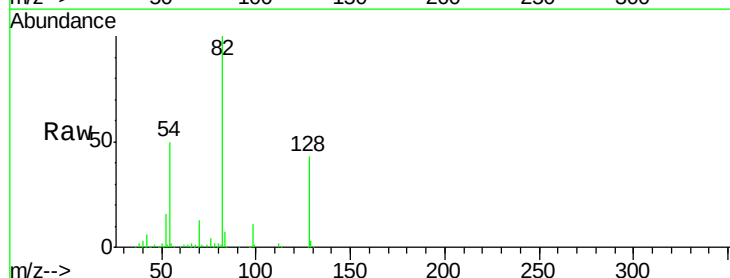
Ion Ratio Lower Upper

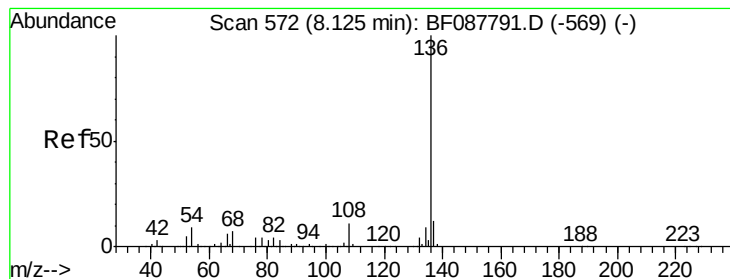
70 100

42 45.7 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

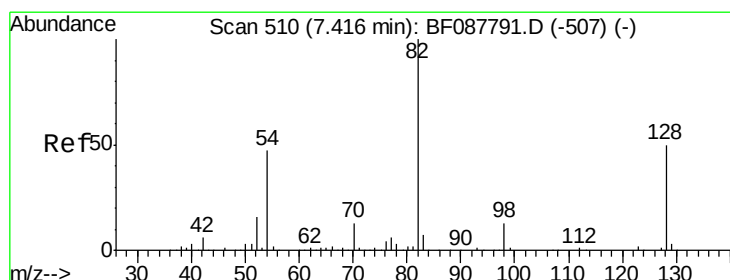
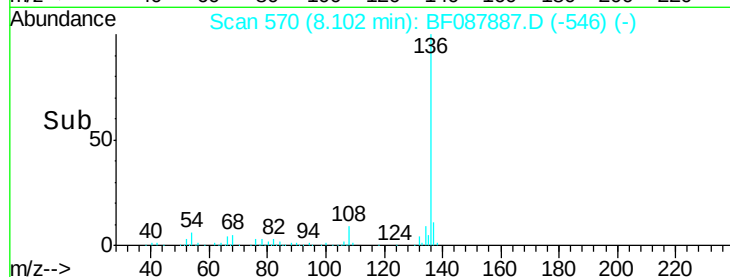
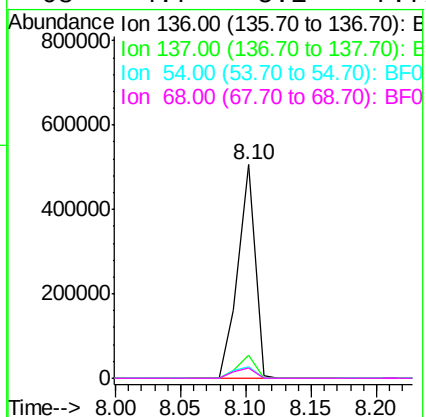
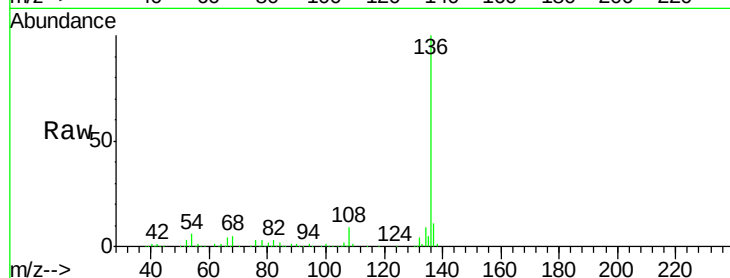
Instrument :

BNA_F

ClientSampleId :

STA-946-PLATFORM(0-4)

Tgt Ion:	136	Resp:	462665
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.7	6.6	10.0#
68	4.7	5.1	7.7#



#23

Nitrobenzene-d5

Concen: 52.01 ng

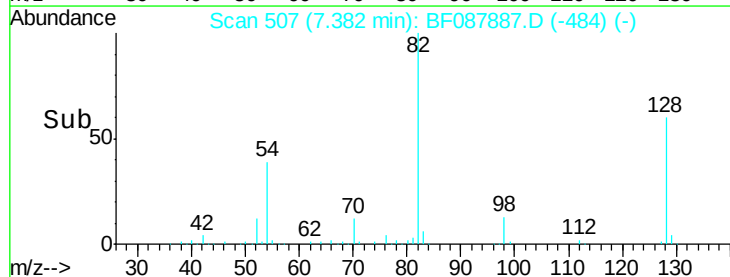
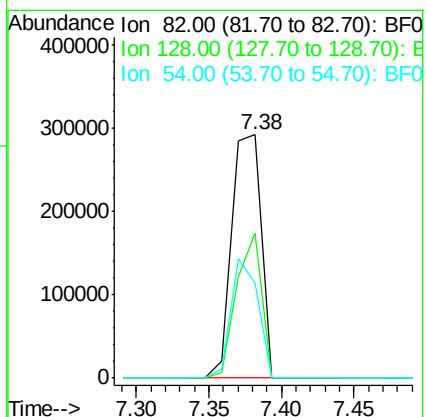
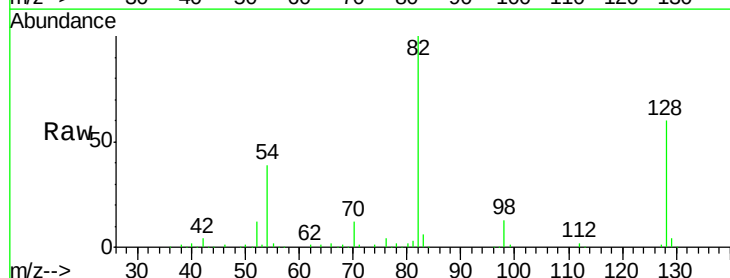
RT: 7.38 min Scan# 507

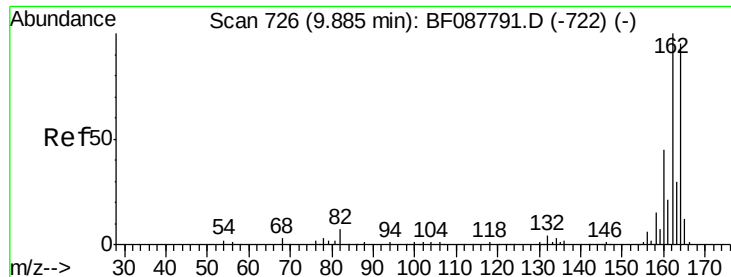
Delta R.T. -0.03 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Tgt Ion:	82	Resp:	412101
Ion	Ratio	Lower	Upper
82	100		
128	59.5	35.9	53.9#
54	39.0	40.9	61.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Instrument :

BNA_F

ClientSampleId :

STA-946-PLATFORM(0-4)

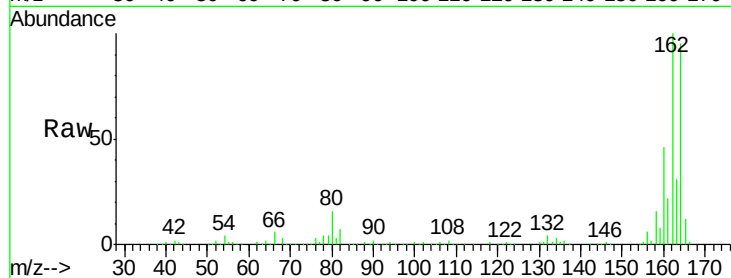
Tgt Ion:164 Resp: 187535

Ion Ratio Lower Upper

164 100

162 104.8 85.4 128.2

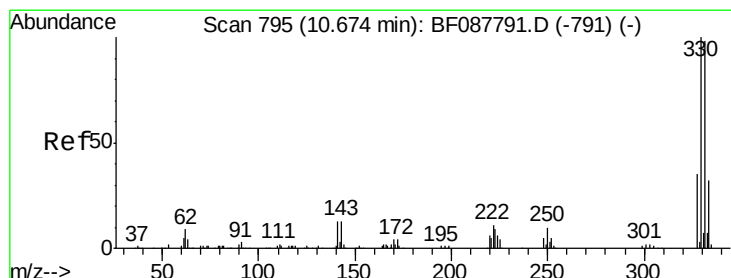
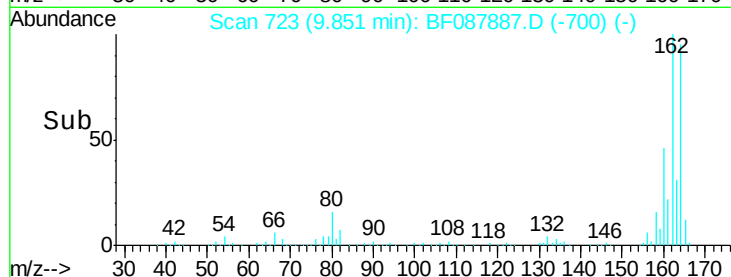
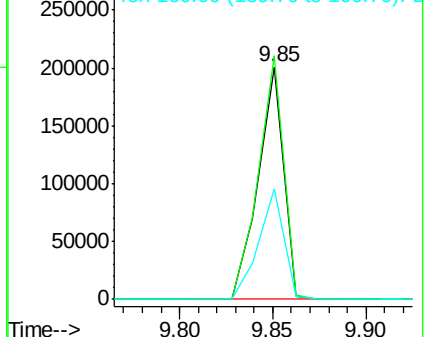
160 47.8 39.5 59.3



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: 50.65 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.05 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

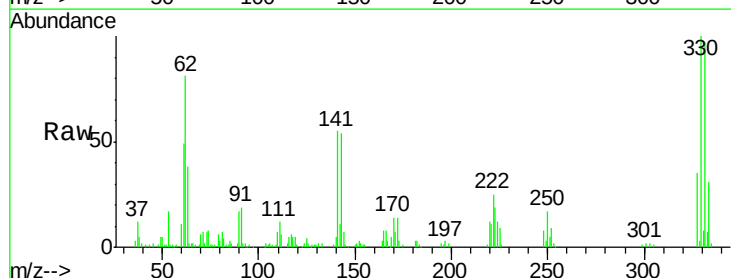
Tgt Ion:330 Resp: 100287

Ion Ratio Lower Upper

330 100

332 97.3 0.0 0.0#

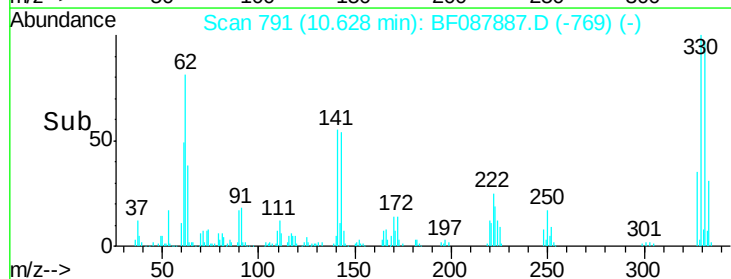
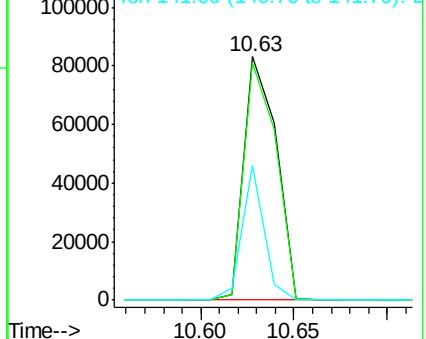
141 38.2 0.0 0.0#

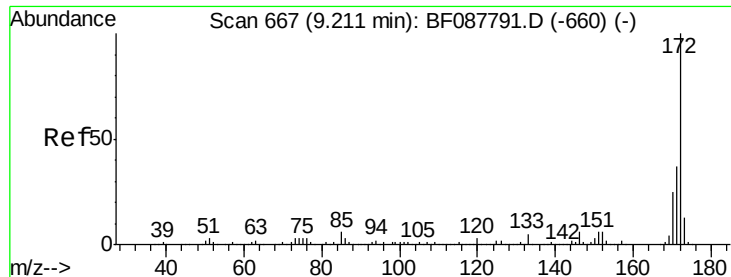


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

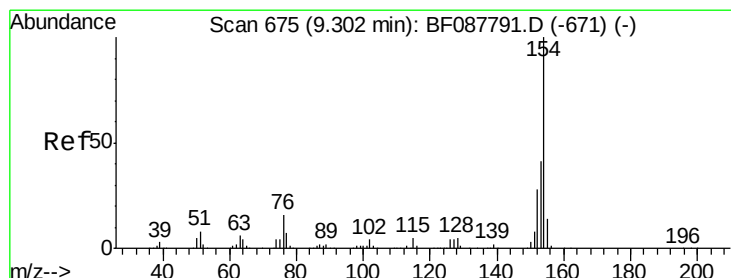
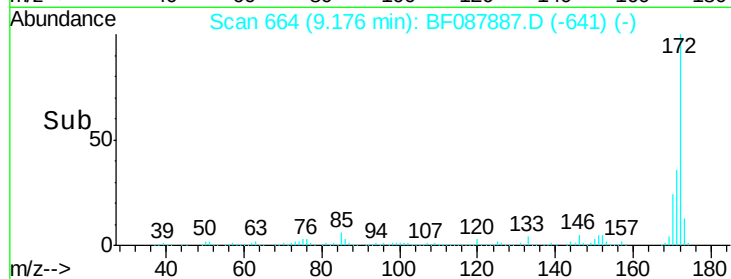
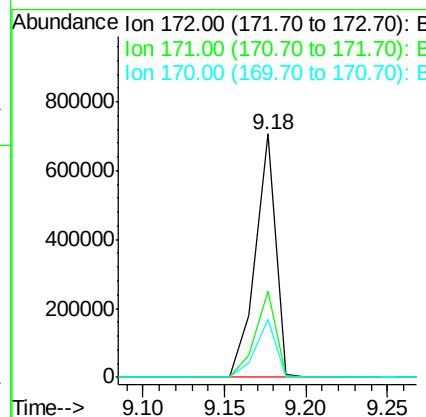
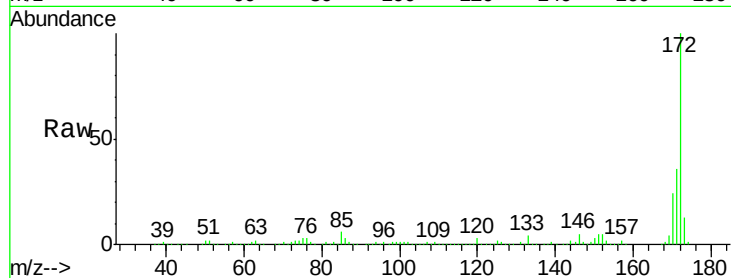




#44
2-Fluorobiphenyl
Concen: 49.20 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087887.D
Acq: 10 Jun 2016 21:17

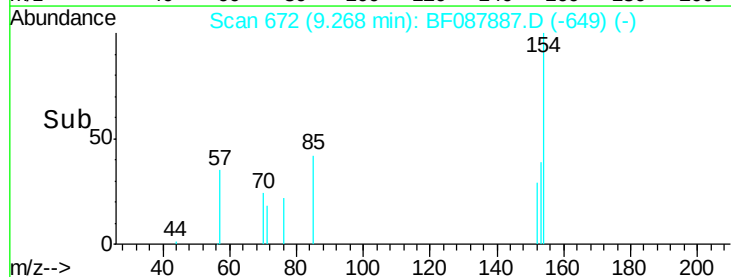
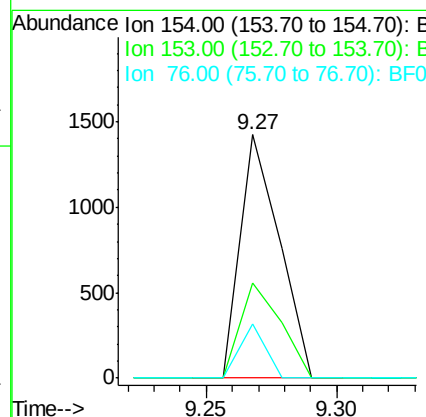
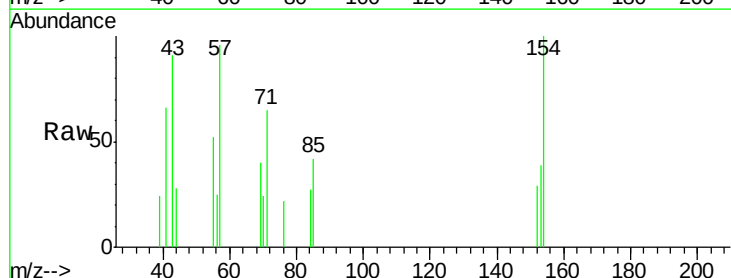
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STA-946-PLATFORM(0-4)

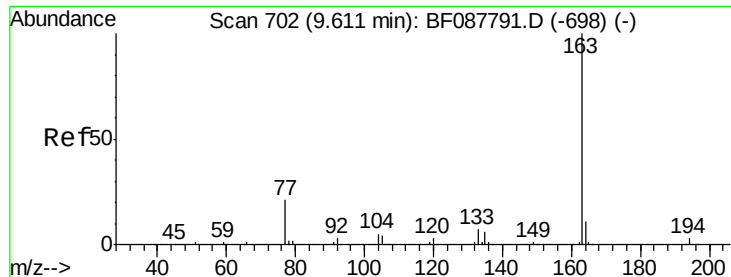
Tgt Ion:172 Resp: 615232
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.7 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.27 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF087887.D
Acq: 10 Jun 2016 21:17

Tgt Ion:154 Resp: 1496
Ion Ratio Lower Upper
154 100
153 38.9 20.6 60.6
76 22.2 0.0 35.1





#49

Dimethylphthalate

Concen: 6.73 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Instrument :

BNA_F

ClientSampleId :

STA-946-PLATFORM(0-4)

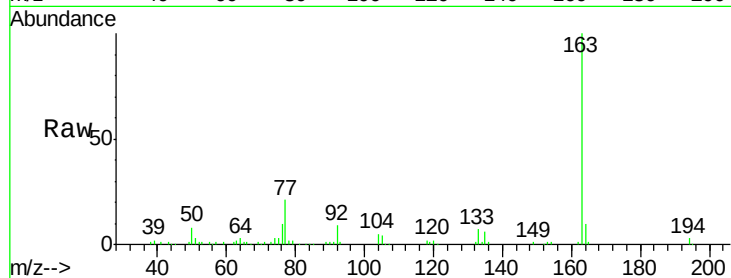
Tgt Ion:163 Resp: 91360

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

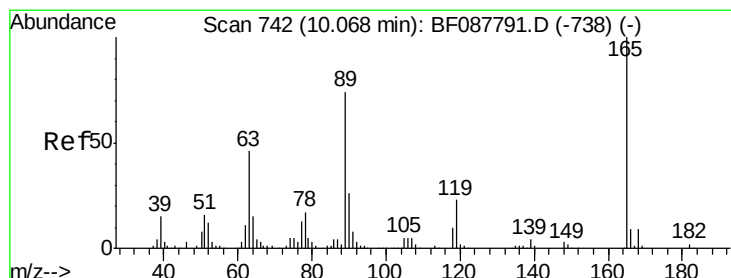
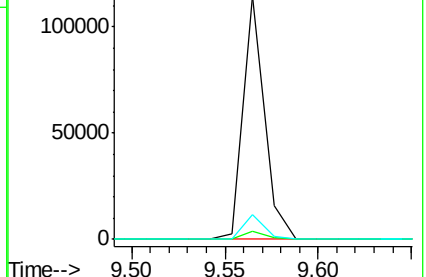
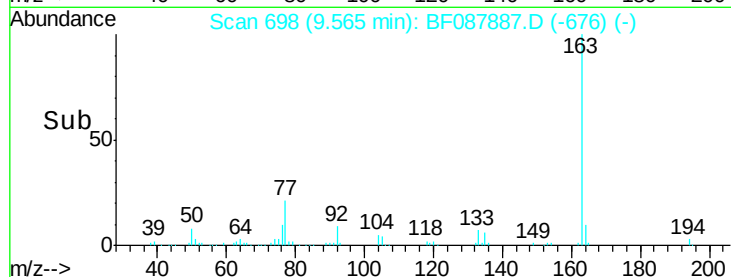
164 10.2 8.3 12.5



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: 6.08 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.22 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Tgt Ion:165 Resp: 24304

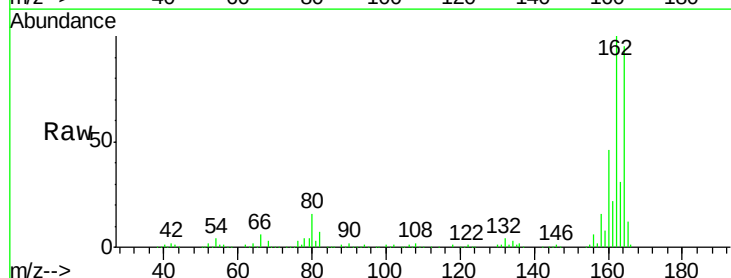
Ion Ratio Lower Upper

165 100

63 1.2 22.0 33.0#

89 1.6 41.1 61.7#

182 0.0 2.0 3.0#

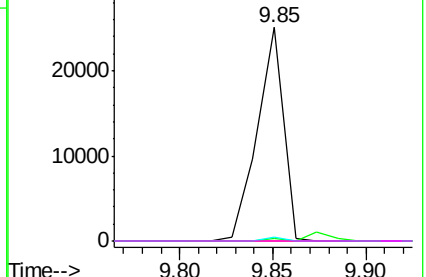
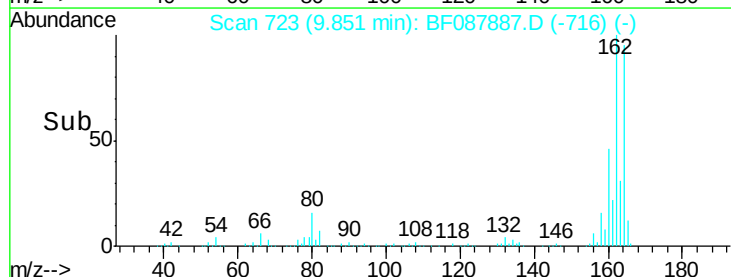


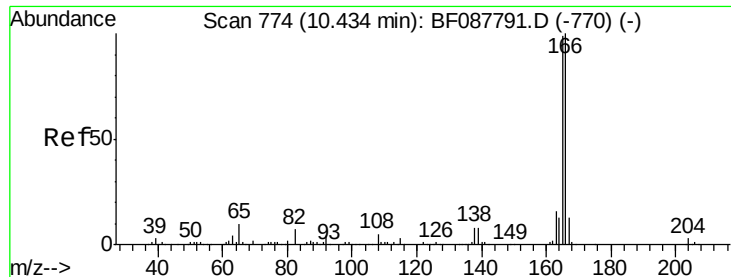
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.05 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Instrument :

BNA_F

ClientSampleId :

STA-946-PLATFORM(0-4)

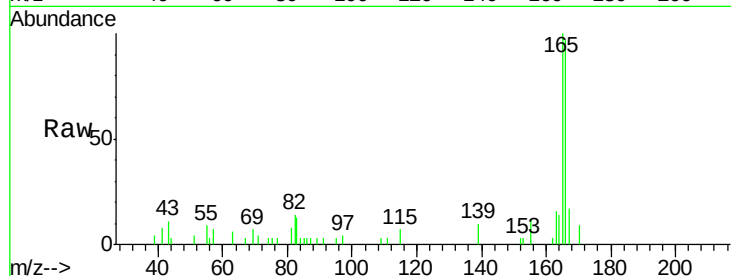
Tgt Ion:166 Resp: 12057

Ion Ratio Lower Upper

166 100

165 102.7 77.8 116.8

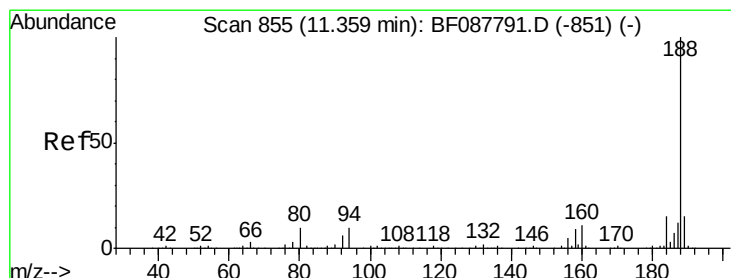
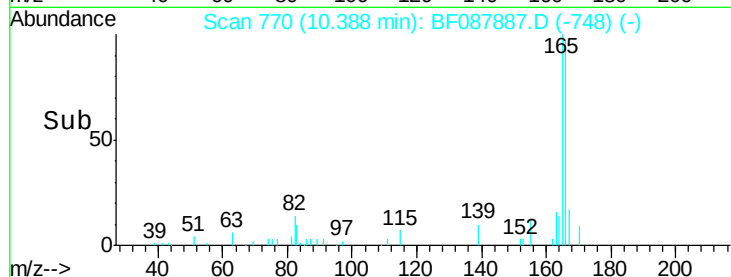
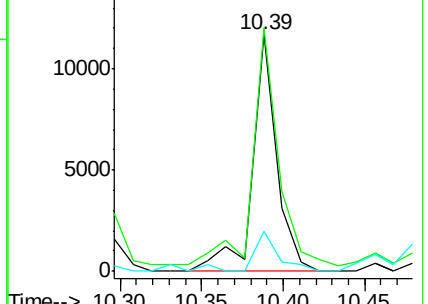
167 17.1 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

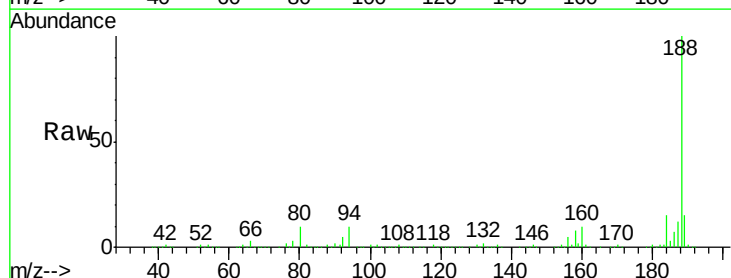
Tgt Ion:188 Resp: 280097

Ion Ratio Lower Upper

188 100

94 9.8 9.0 13.6

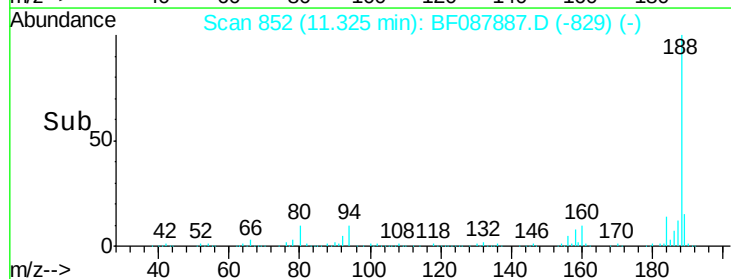
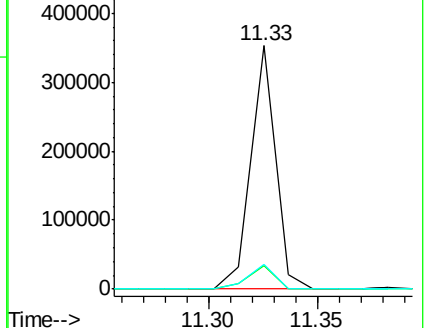
80 10.2 10.0 15.0

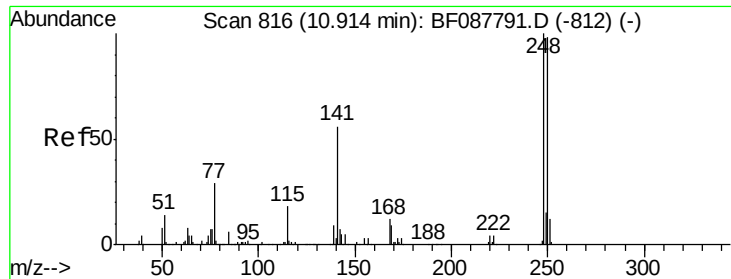


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

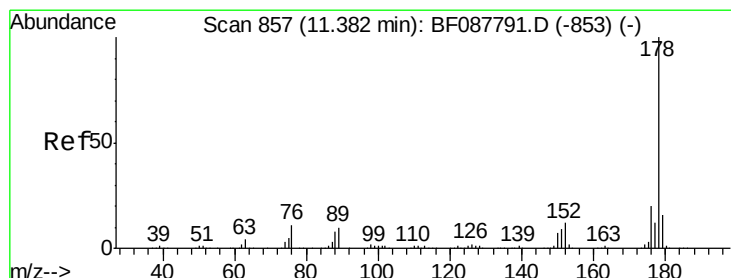
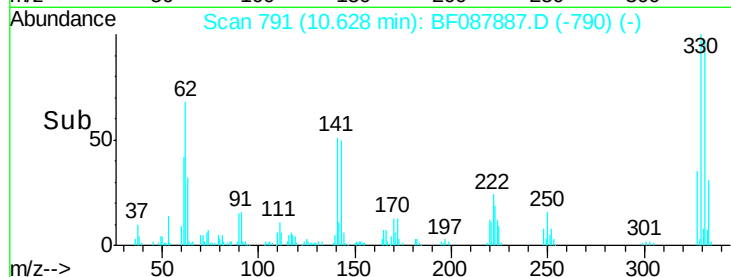
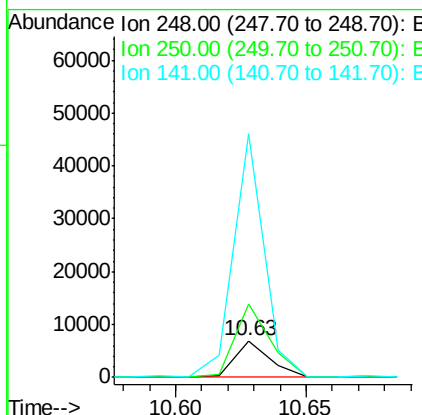
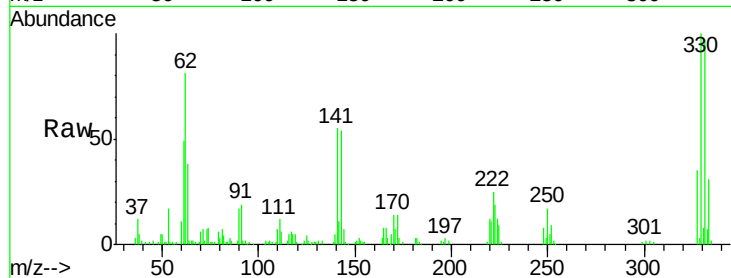




#66
4-Bromophenyl-phenylether
Concen: 2.19 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.29 min
Lab File: BF087887.D
Acq: 10 Jun 2016 21:17

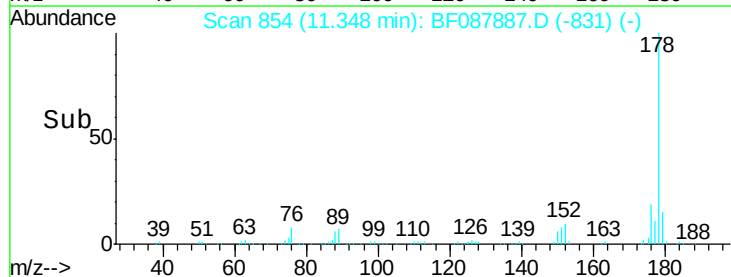
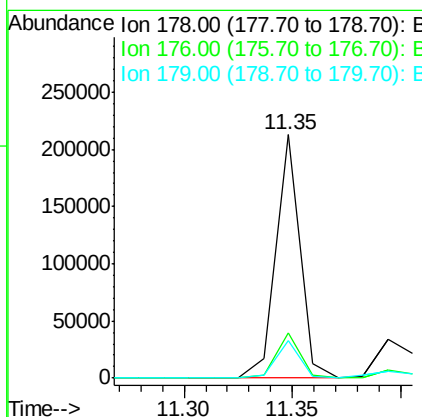
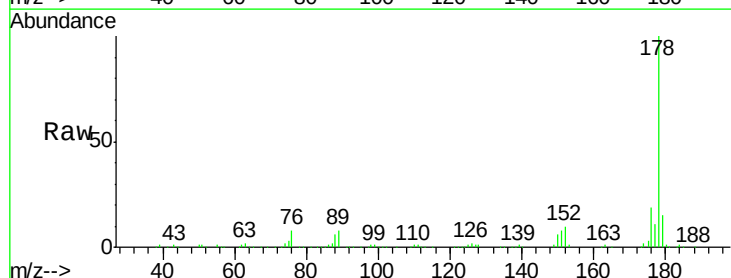
Instrument :
BNA_F
ClientSampleId :
STA-946-PLATFORM(0-4)

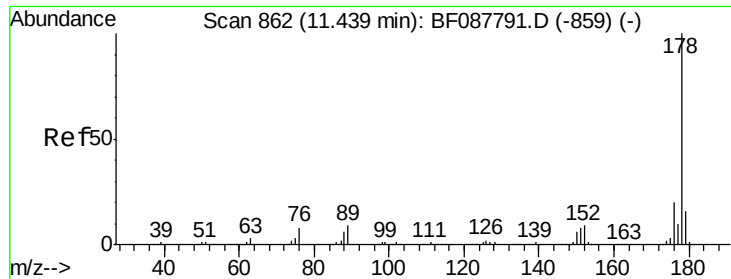
Tgt Ion:248 Resp: 6573
Ion Ratio Lower Upper
248 100
250 200.8 77.1 115.7#
141 667.2 50.6 76.0#



#70
Phenanthrene
Concen: 11.33 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087887.D
Acq: 10 Jun 2016 21:17

Tgt Ion:178 Resp: 166485
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.3 13.0 19.4

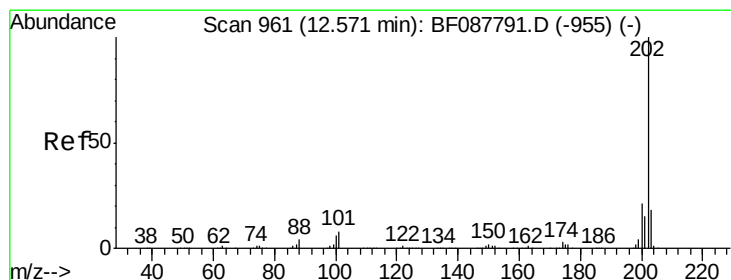
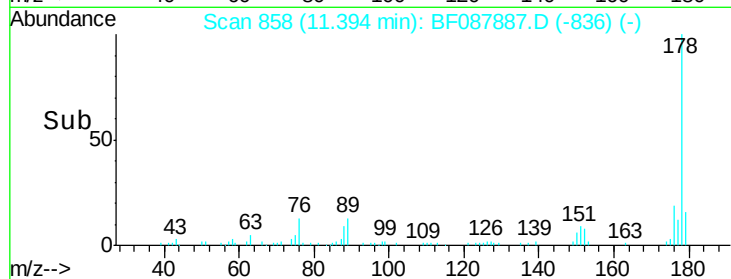
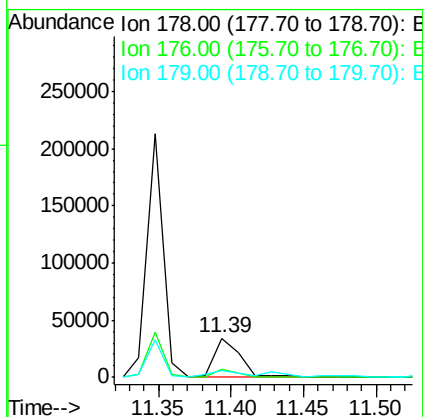
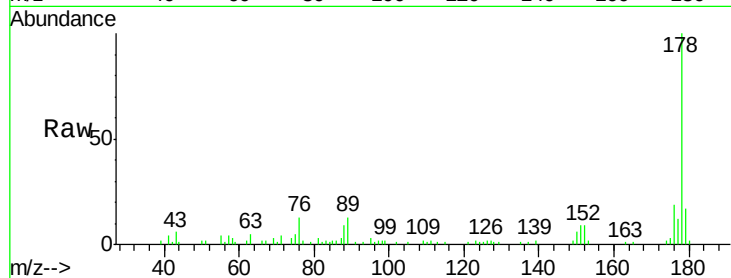




#71
 Anthracene
 Concen: 2.77 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.05 min
 Lab File: BF087887.D
 Acq: 10 Jun 2016 21:17

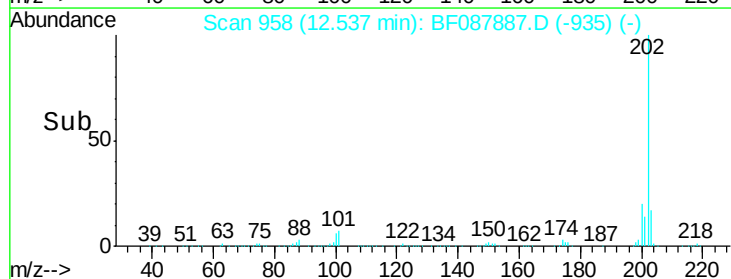
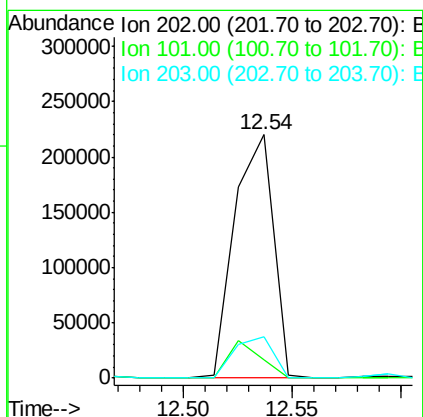
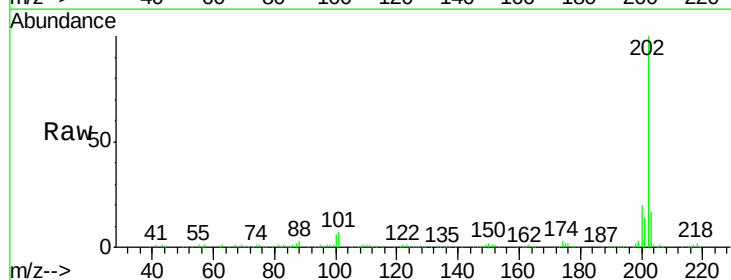
Instrument :
 BNA_F
 ClientSampleId :
 STA-946-PLATFORM(0-4)

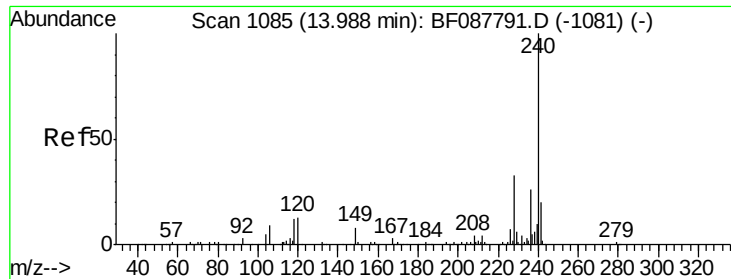
Tgt Ion:178 Resp: 41031
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.6 23.4
 179 16.9 12.8 19.2



#74
 Fluoranthene
 Concen: 17.58 ng
 RT: 12.54 min Scan# 958
 Delta R.T. -0.03 min
 Lab File: BF087887.D
 Acq: 10 Jun 2016 21:17

Tgt Ion:202 Resp: 272677
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 33.1
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

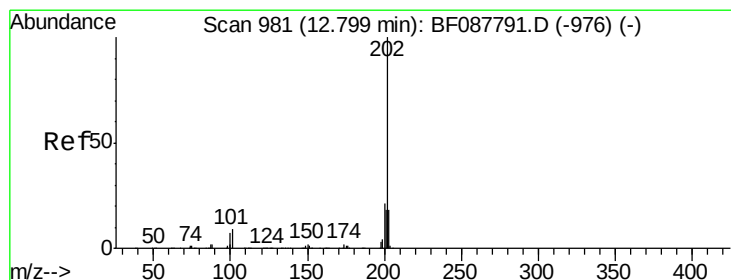
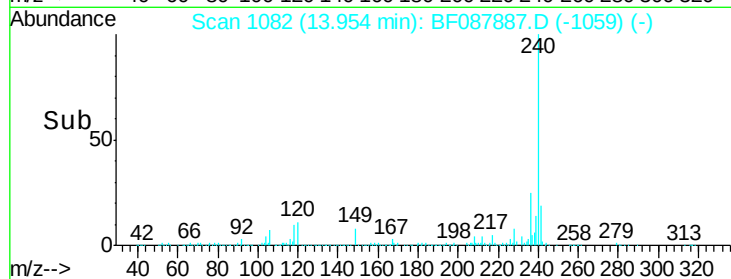
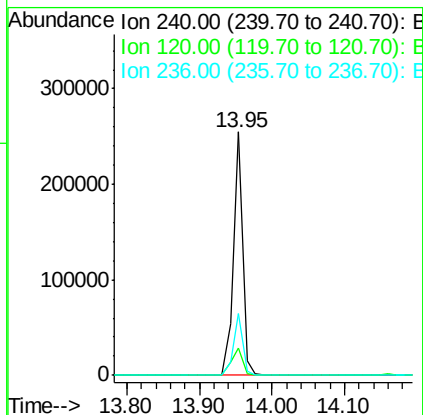
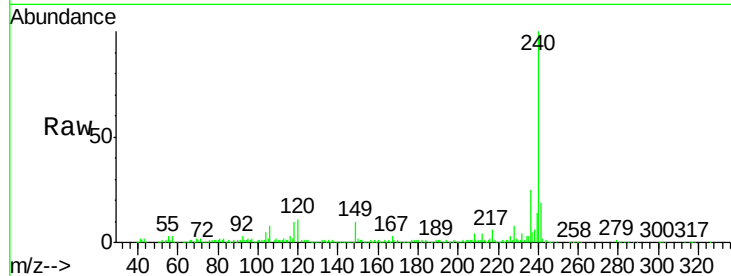
Instrument :

BNA_F

ClientSampleId :

STA-946-PLATFORM(0-4)

Tgt Ion:	240	Resp:	227697
Ion Ratio	Lower	Upper	
240	100		
120	11.4	6.8	10.2#
236	25.4	20.2	30.2



#77

Pyrene

Concen: 14.37 ng

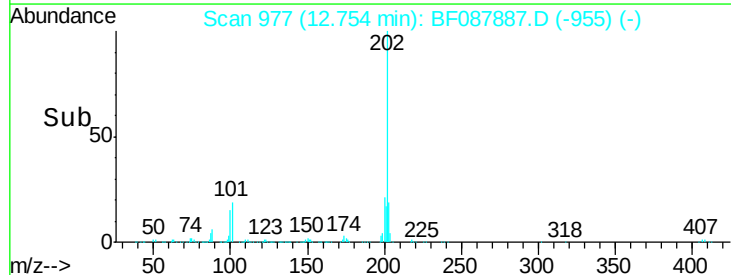
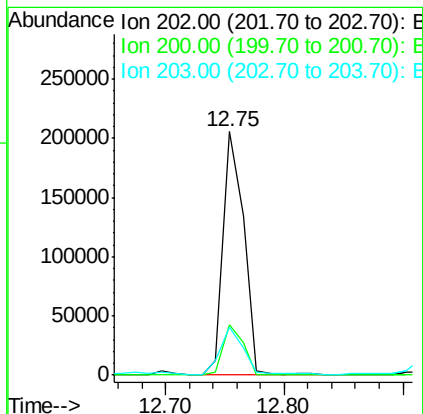
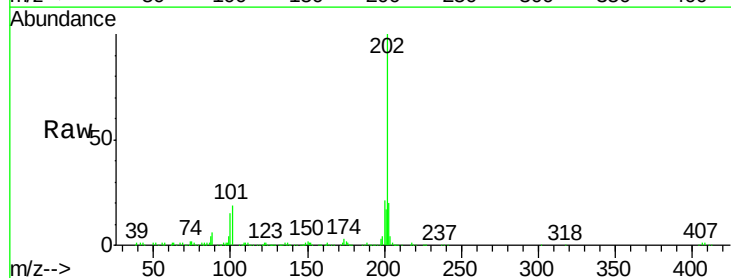
RT: 12.75 min Scan# 977

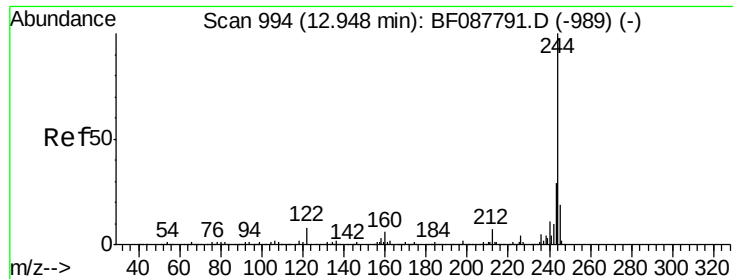
Delta R.T. -0.05 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Tgt Ion:	202	Resp:	242796
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	19.7	14.5	21.7





#78

Terphenyl-d14

Concen: 35.25 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.05 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Instrument :

BNA_F

ClientSampleId :

STA-946-PLATFORM(0-4)

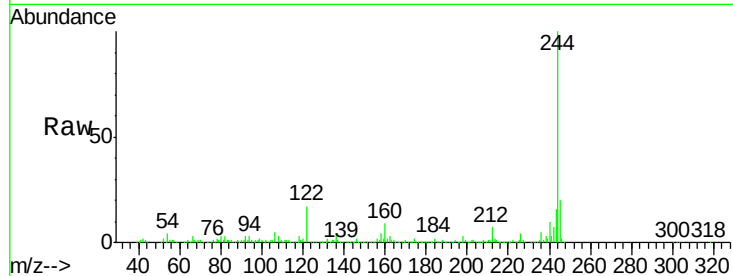
Tgt Ion:244 Resp: 352678

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

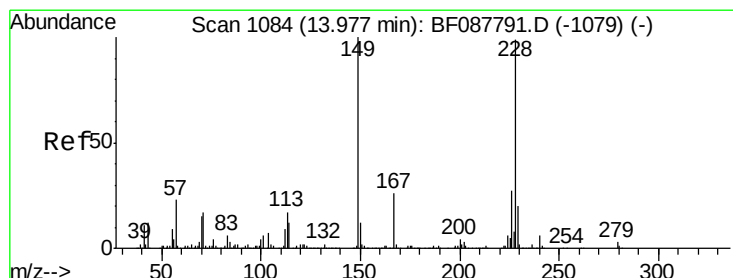
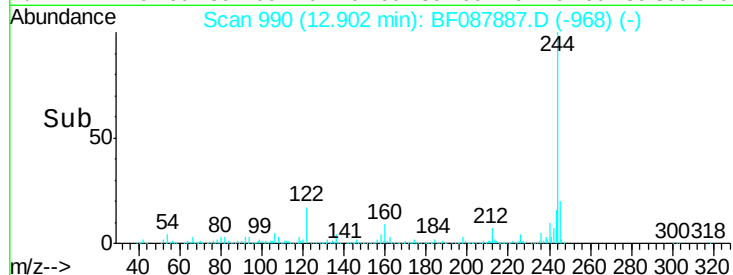
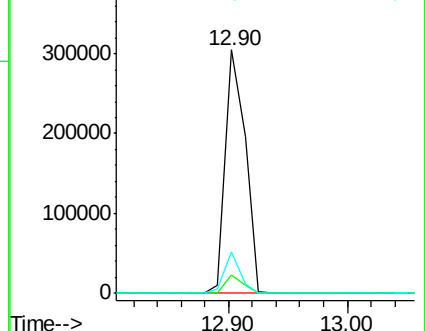
122 16.9 11.2 16.8#



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



#80

Benzo(a)anthracene

Concen: 9.46 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

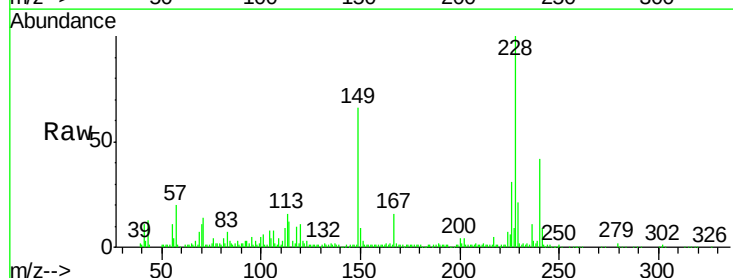
Tgt Ion:228 Resp: 122787

Ion Ratio Lower Upper

228 100

226 31.0 22.3 33.5

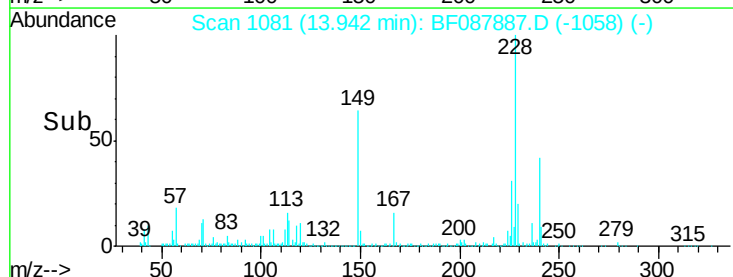
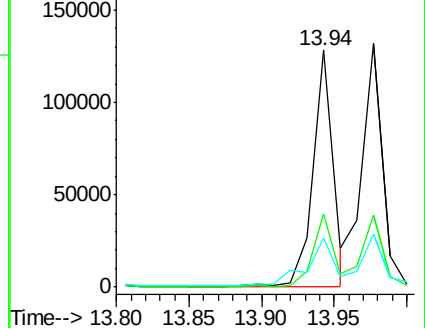
229 20.9 16.0 24.0

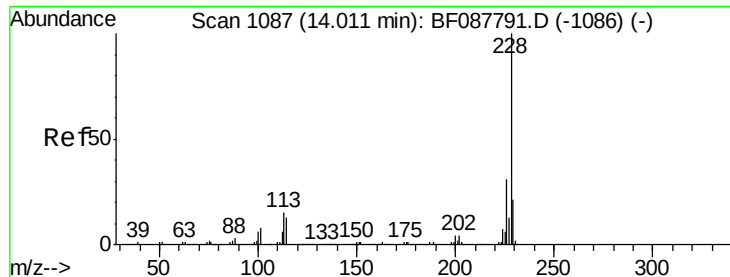


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.45 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

Instrument :

BNA_F

ClientSampleId :

STA-946-PLATFORM(0-4)

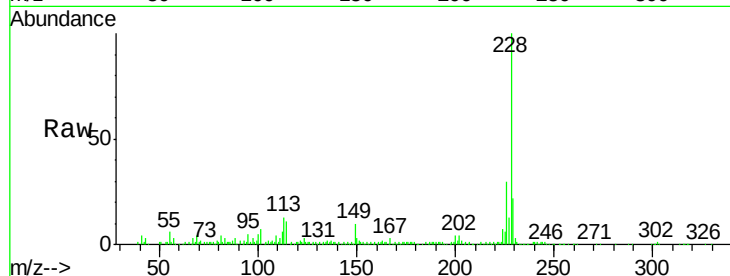
Tgt Ion: 228 Resp: 103110

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

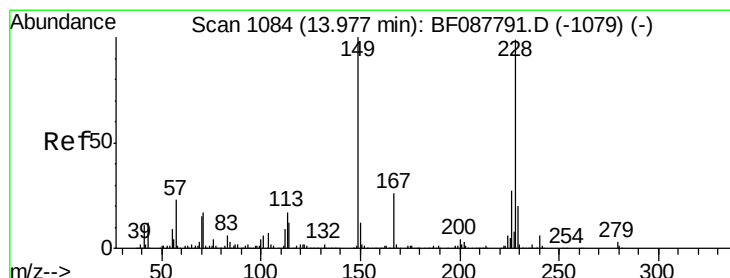
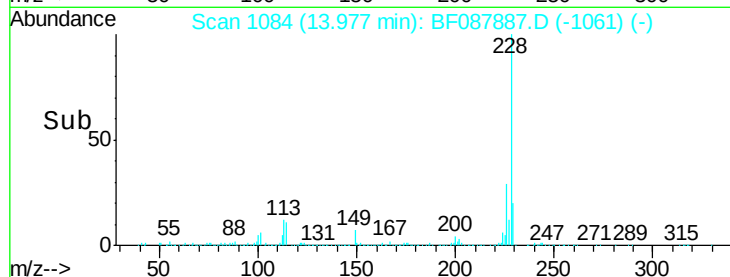
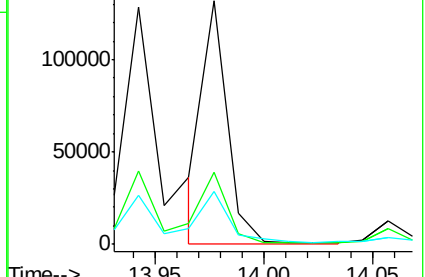
229 21.7 16.3 24.5



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: 9.38 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087887.D

Acq: 10 Jun 2016 21:17

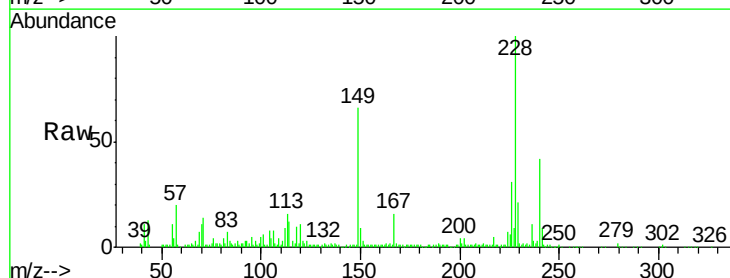
Tgt Ion: 149 Resp: 85314

Ion Ratio Lower Upper

149 100

167 24.3 20.5 30.7

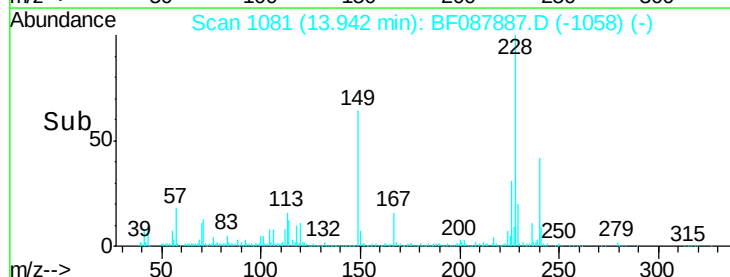
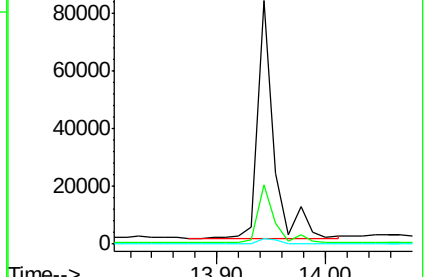
279 2.3 2.0 3.0

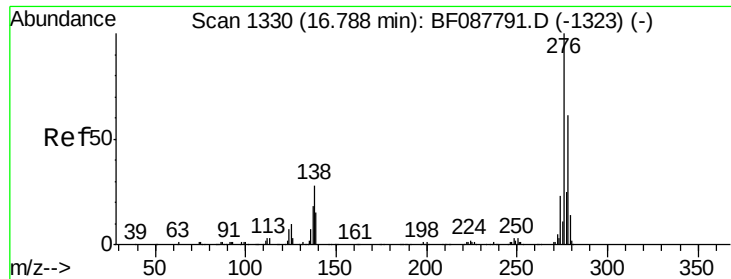


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

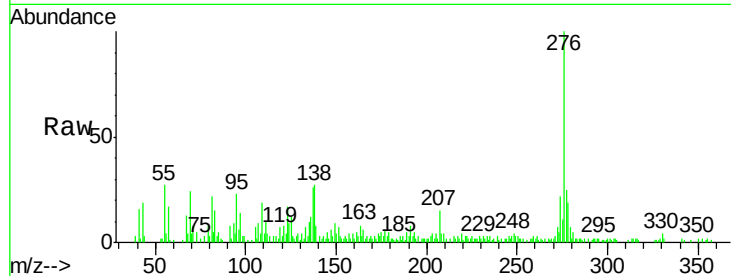




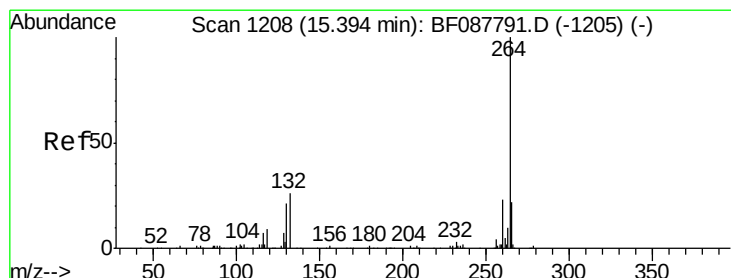
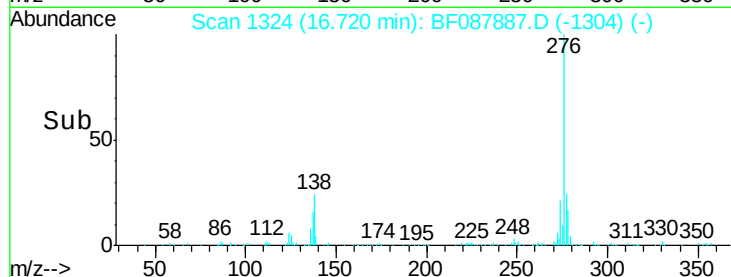
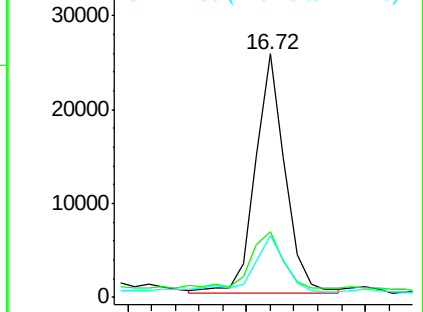
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.89 ng
 RT: 16.72 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF087887.D
 Acq: 10 Jun 2016 21:17

Instrument :
 BNA_F
 ClientSampleId :
 STA-946-PLATFORM(0-4)

Tgt Ion: 276 Resp: 44076
 Ion Ratio Lower Upper
 276 100
 138 27.2 0.0 0.0#
 277 29.4 0.0 0.0#

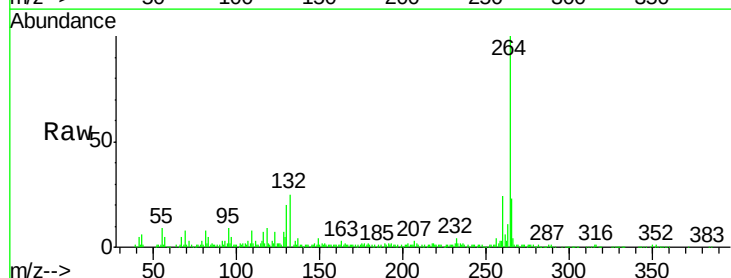


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

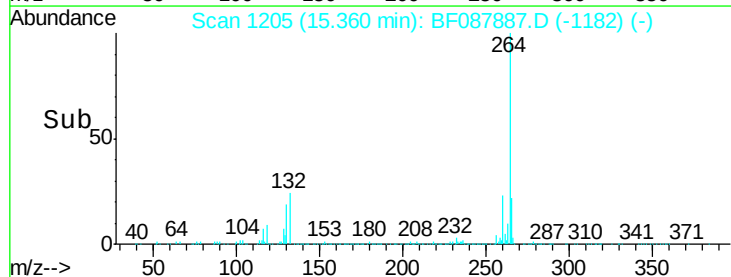
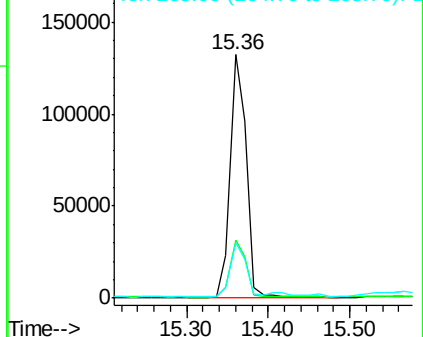


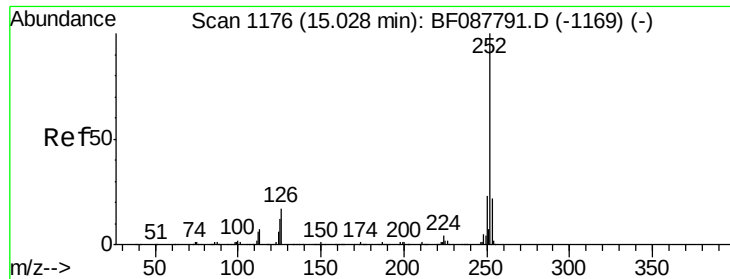
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF087887.D
 Acq: 10 Jun 2016 21:17

Tgt Ion: 264 Resp: 179064
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.6 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

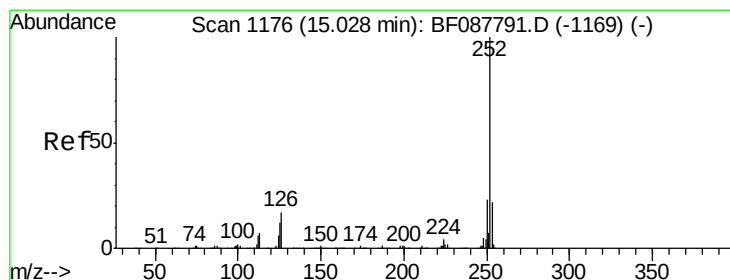
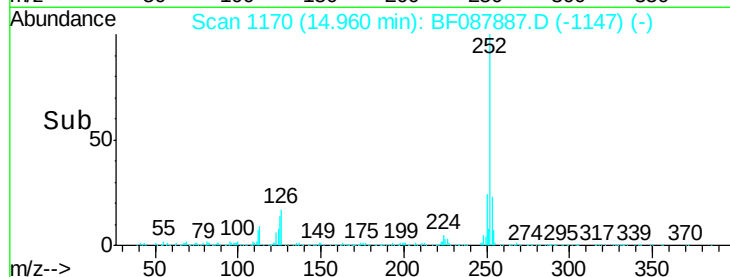
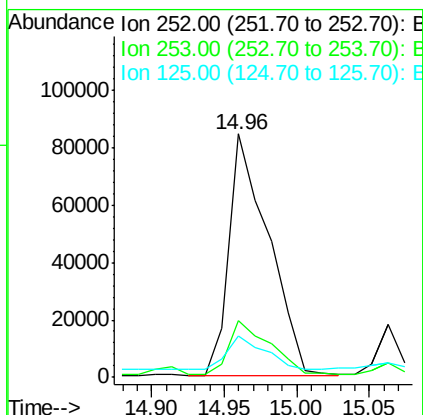
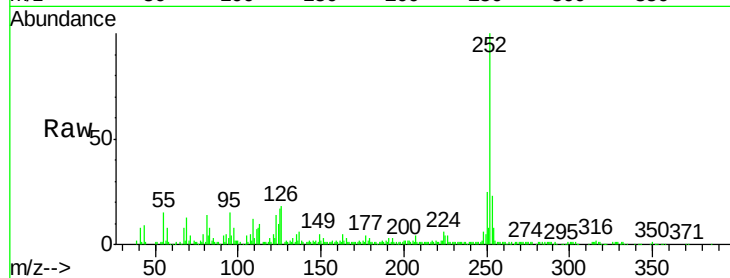




#87
Benzo(b)fluoranthene
Concen: 12.86 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087887.D
Acq: 10 Jun 2016 21:17

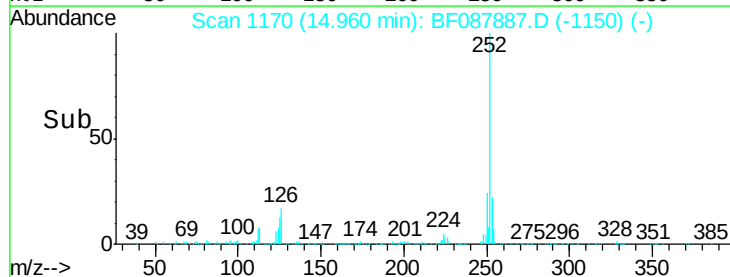
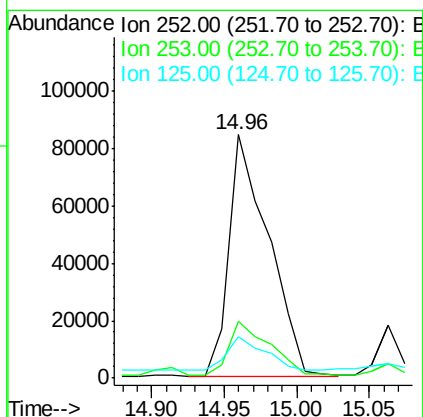
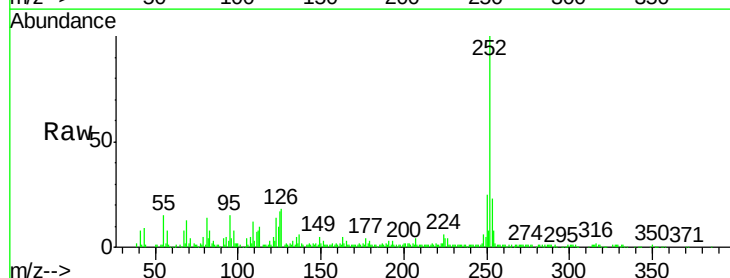
Instrument :
BNA_F
ClientSampleId :
STA-946-PLATFORM(0-4)

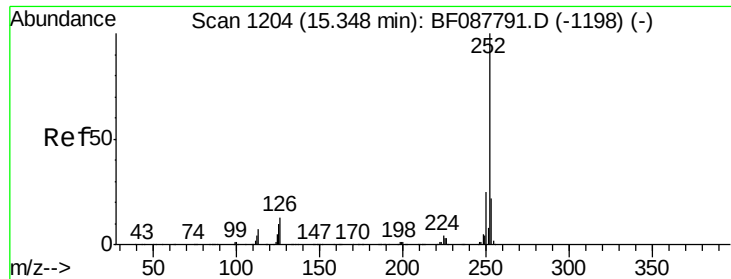
Tgt Ion:252 Resp: 160440
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 16.8 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 17.04 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.07 min
Lab File: BF087887.D
Acq: 10 Jun 2016 21:17

Tgt Ion:252 Resp: 160440
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 16.8 11.2 16.8#

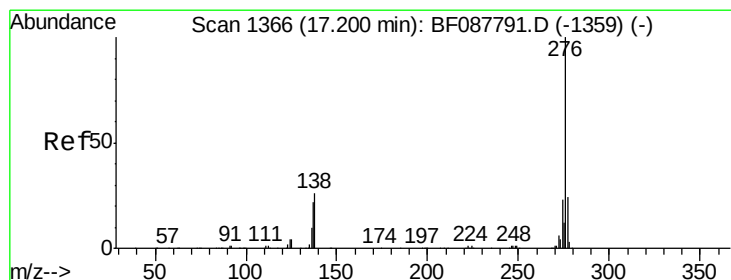
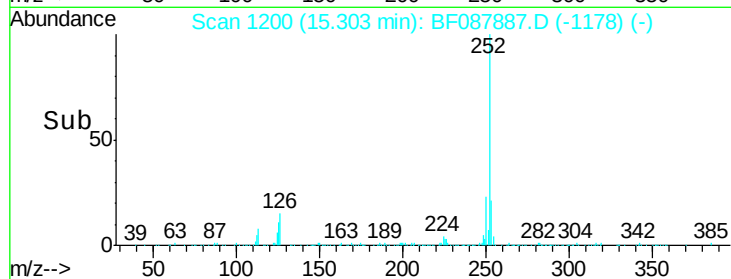
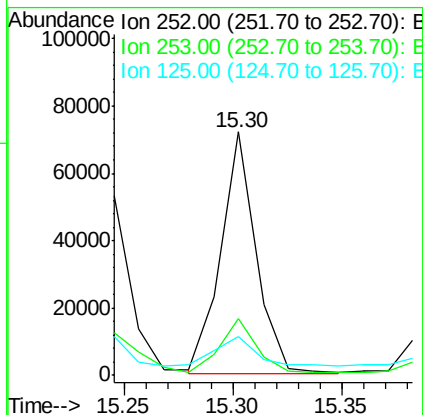
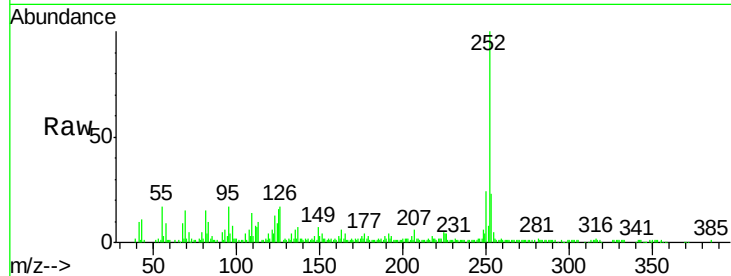




#89
Benzo(a)pyrene
Concen: 7.97 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087887.D
Acq: 10 Jun 2016 21:17

Instrument :
BNA_F
ClientSampleId :
STA-946-PLATFORM(0-4)

Tgt Ion:252 Resp: 80430
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 15.9 12.5 18.7



#91
Benzo(g,h,i)perylene
Concen: 4.34 ng
RT: 17.13 min Scan# 1360
Delta R.T. -0.07 min
Lab File: BF087887.D
Acq: 10 Jun 2016 21:17

Tgt Ion:276 Resp: 41843
Ion Ratio Lower Upper
276 100
277 25.4 18.9 28.3
138 27.7 21.4 32.2

