

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087200.D
 Acq On : 19 May 2016 21:35
 Operator : UM/SJ
 Sample : H3115-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-002RE

Quant Time: May 20 02:34:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

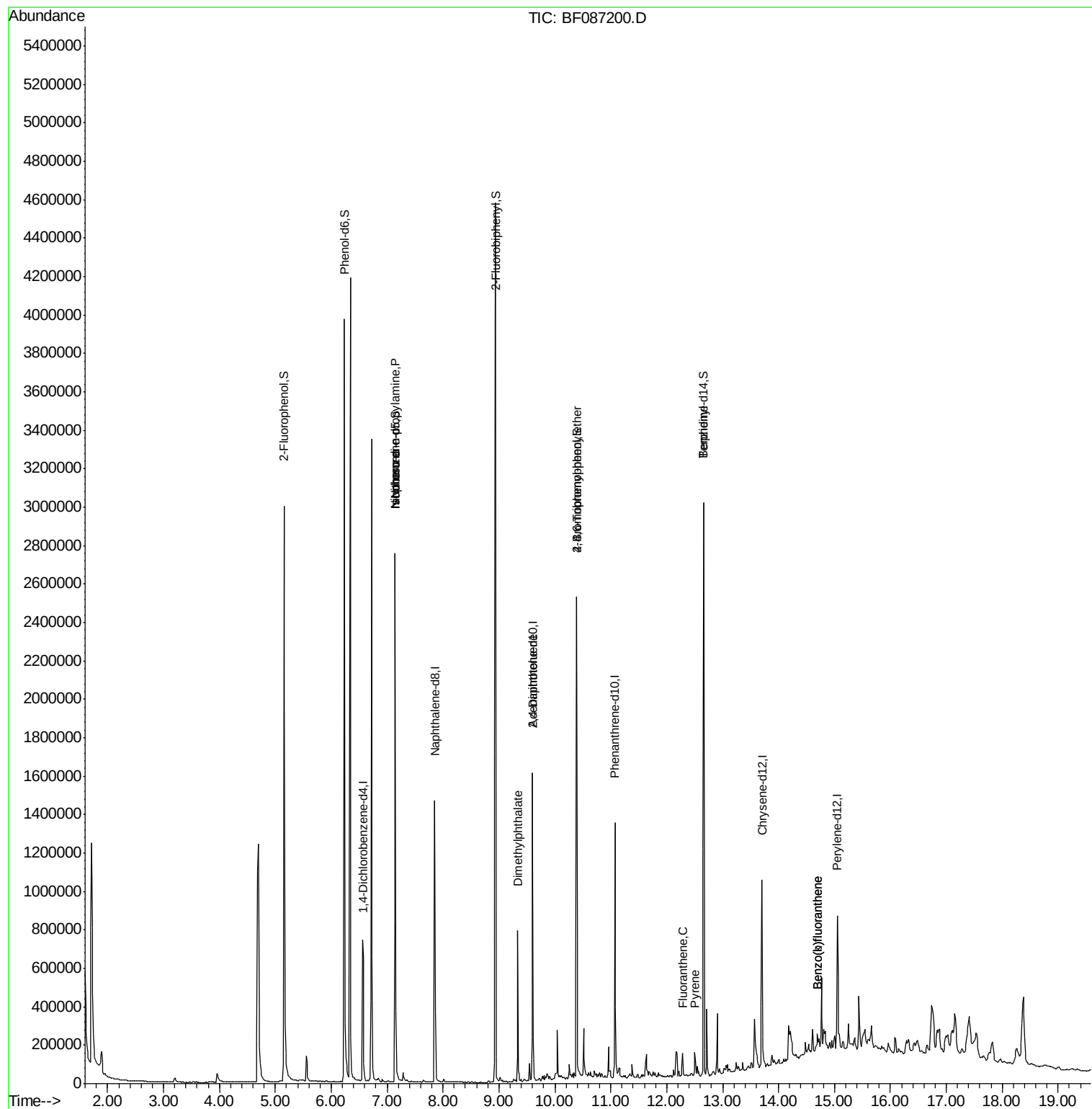
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	148143	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	619416	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	285387	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	462972	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	313718	20.00	ng	-0.06
86) Perylene-d12	15.05	264	299957	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	1002406	113.73	ng	-0.05
7) Phenol-d6	6.24	99	1470832	124.43	ng	-0.05
23) Nitrobenzene-d5	7.14	82	901852	72.56	ng	-0.05
41) 2,4,6-Tribromophenol	10.39	330	293618	93.10	ng	-0.06
44) 2-Fluorobiphenyl	8.94	172	1401319	81.32	ng	-0.05
78) Terphenyl-d14	12.66	244	905661	65.30	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.14	70	128656	14.32	ng	# 73
25) Isophorone	7.14	82	718972	31.60	ng	# 68
49) Dimethylphthalate	9.34	163	274787	12.62	ng	99
55) 4-Nitrophenol	9.82	139	257	Below Cal	#	25
56) 2,4-Dinitrotoluene	9.60	165	35970	5.94	ng	# 16
66) 4-Bromophenyl-phenylether	10.39	248	17419	3.66	ng	# 1
74) Fluoranthene	12.29	202	50927	2.02	ng	92
76) Benzidine	12.66	184	15019	2.24	ng	# 92
77) Pyrene	12.50	202	58890	2.60	ng	95
87) Benzo(b)fluoranthene	14.70	252	48518	2.44	ng	96
88) Benzo(k)fluoranthene	14.70	252	47277	3.19	ng	# 93

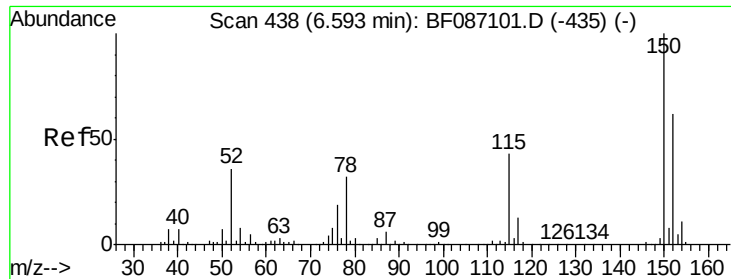
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Instrument :

BNA_F

ClientSampleId :

NC-TS-002RE

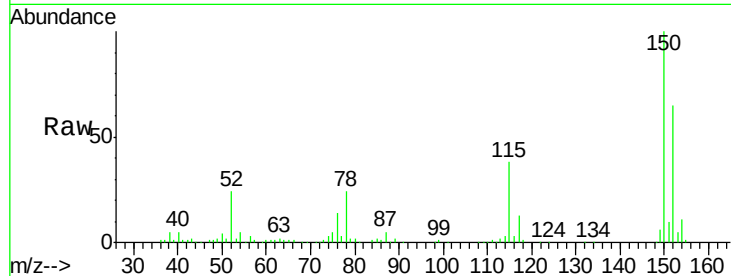
Tgt Ion:152 Resp: 148143

Ion Ratio Lower Upper

152 100

150 152.8 125.8 188.6

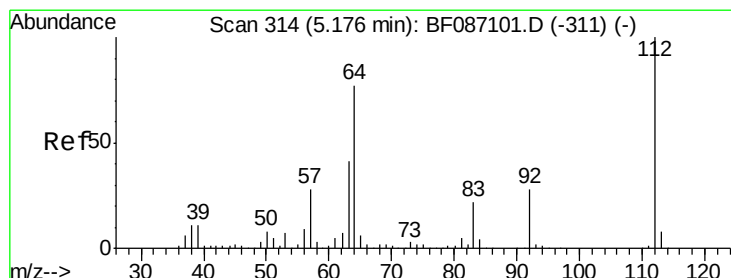
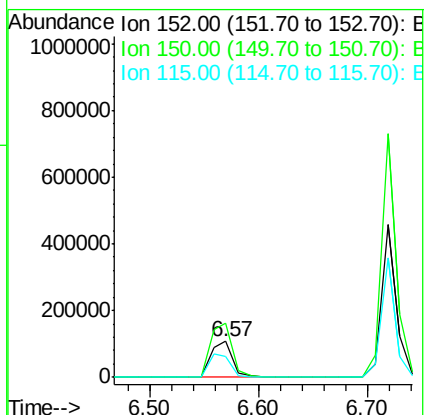
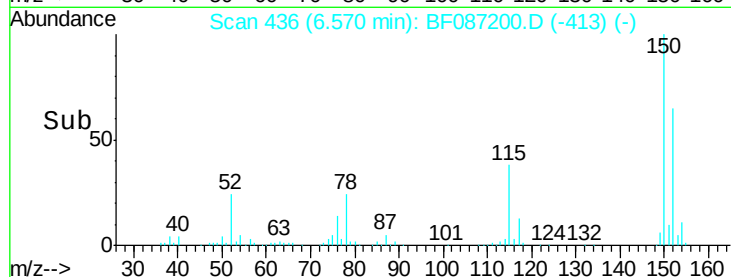
115 57.6 51.5 77.3



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: 113.73 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

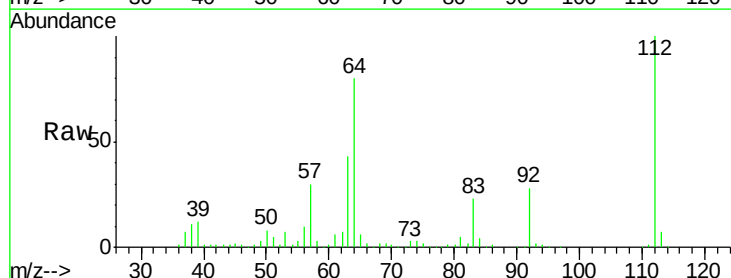
Tgt Ion:112 Resp: 1002406

Ion Ratio Lower Upper

112 100

64 80.0 52.1 78.1#

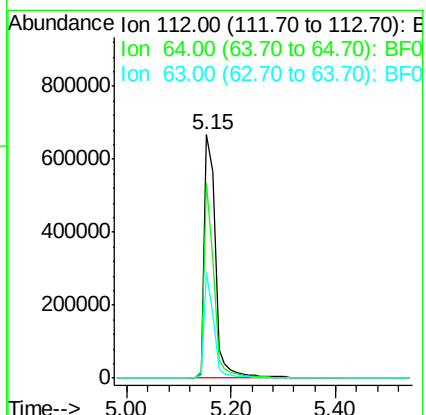
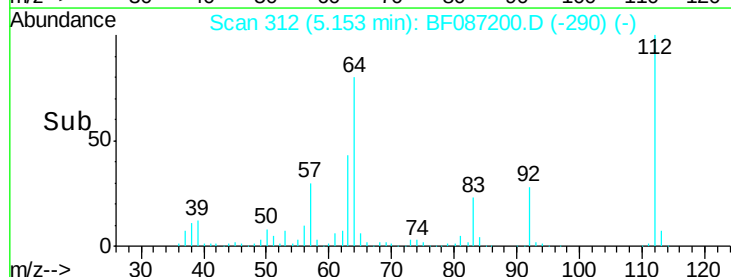
63 43.4 25.7 38.5#

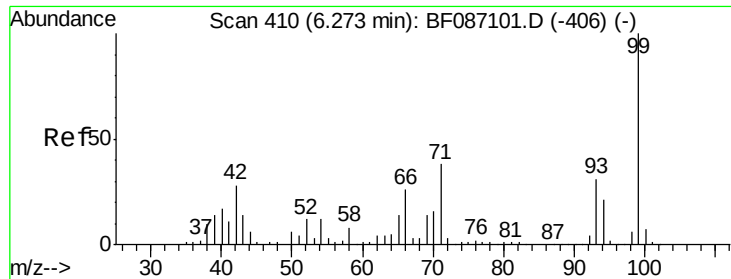


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.43 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Instrument :

BNA_F

ClientSampleId :

NC-TS-002RE

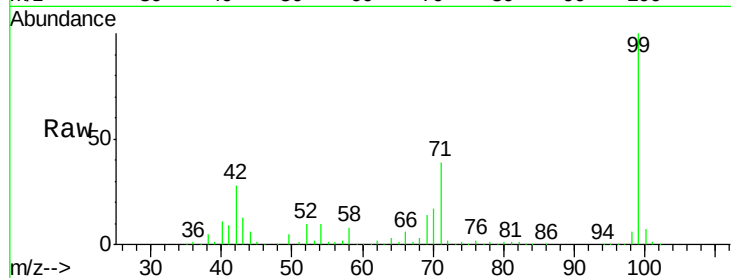
Tgt Ion: 99 Resp: 1470832

Ion Ratio Lower Upper

99 100

42 27.5 13.6 20.4#

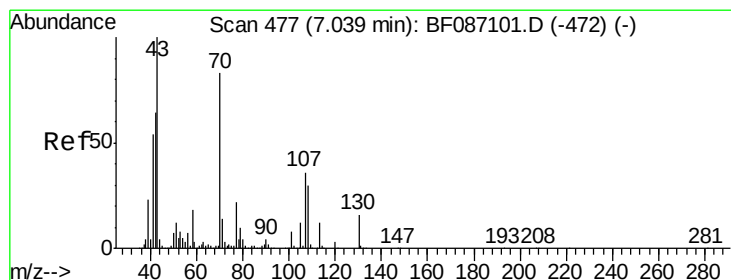
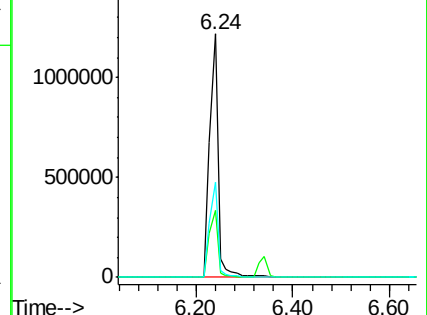
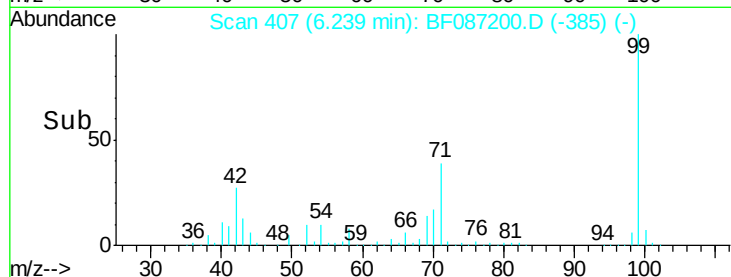
71 38.9 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.32 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.09 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Tgt Ion: 70 Resp: 128656

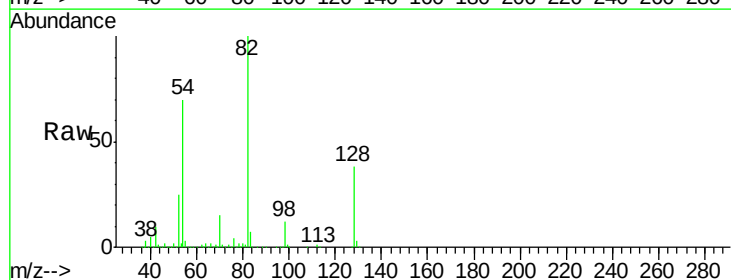
Ion Ratio Lower Upper

70 100

42 67.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

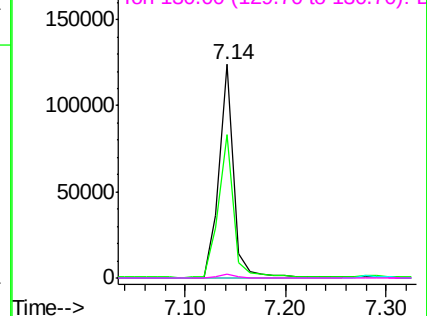
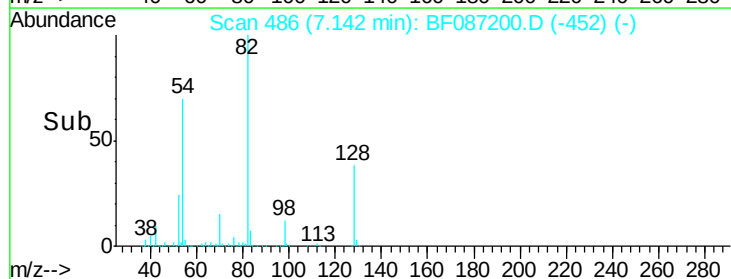


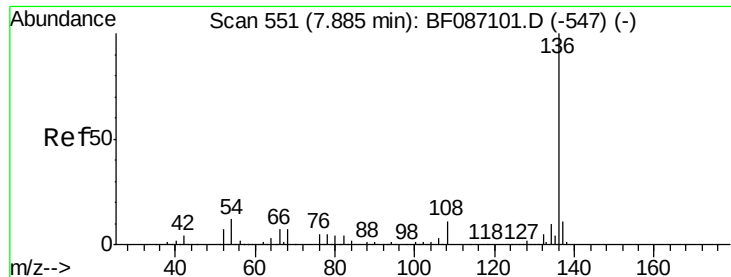
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Instrument :

BNA_F

ClientSampleId :

NC-TS-002RE

Tgt Ion:136 Resp: 619416

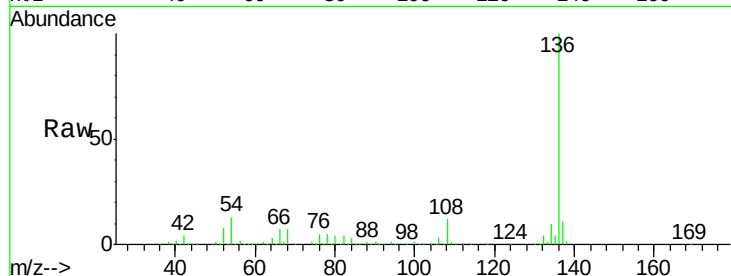
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 13.2 5.0 7.4#

68 6.9 4.4 6.6#

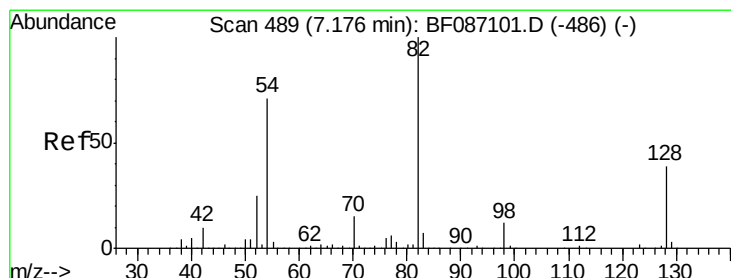
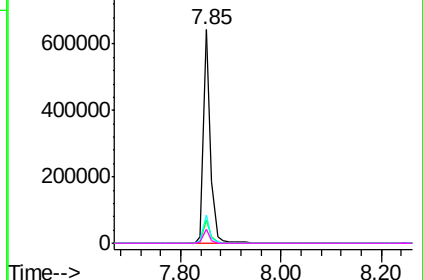
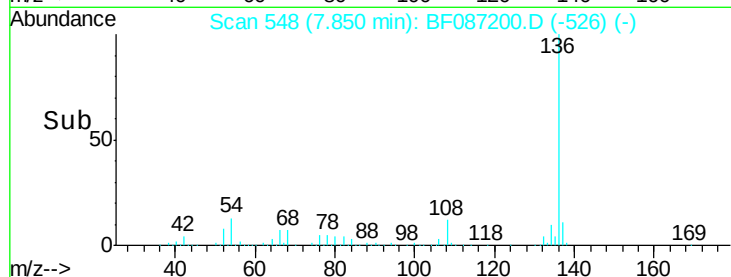


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 72.56 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.05 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

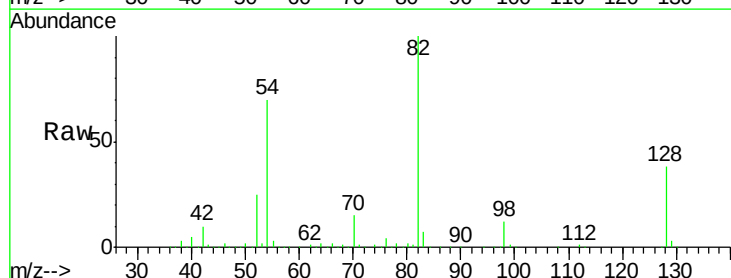
Tgt Ion: 82 Resp: 901852

Ion Ratio Lower Upper

82 100

128 38.5 40.6 61.0#

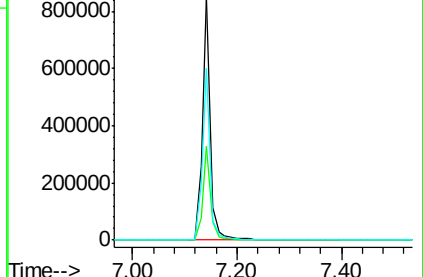
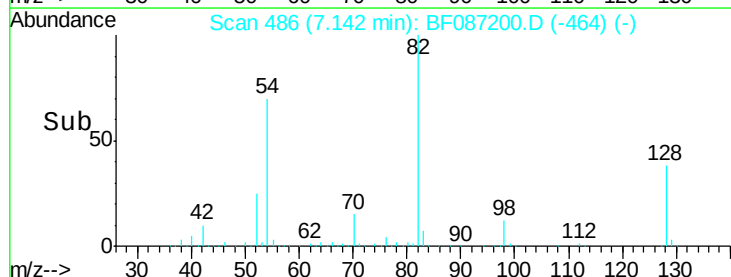
54 70.4 38.1 57.1#

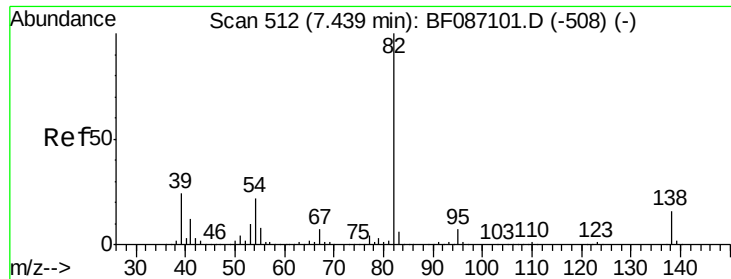


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.60 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.31 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Instrument :

BNA_F

ClientSampleId :

NC-TS-002RE

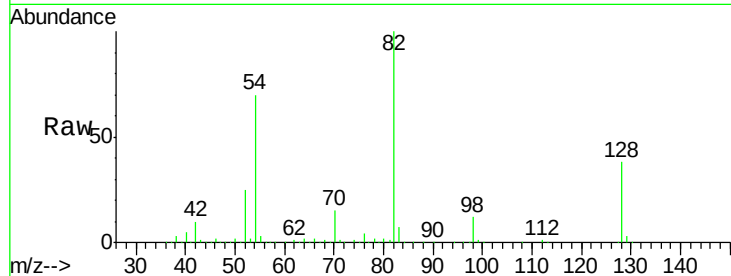
Tgt Ion: 82 Resp: 718972

Ion Ratio Lower Upper

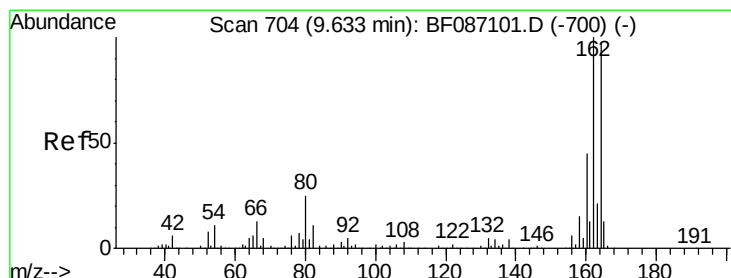
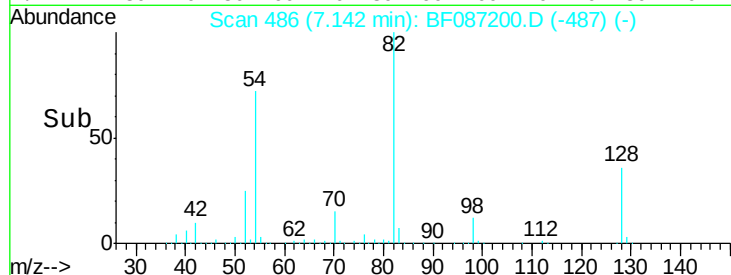
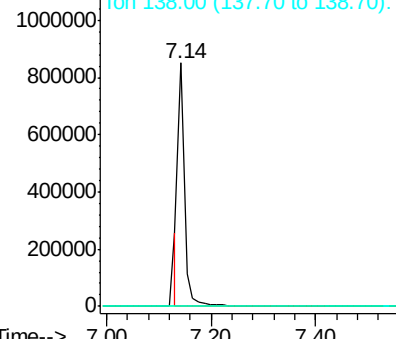
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.05 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

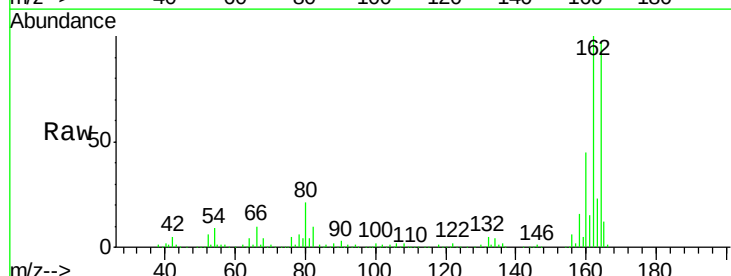
Tgt Ion: 164 Resp: 285387

Ion Ratio Lower Upper

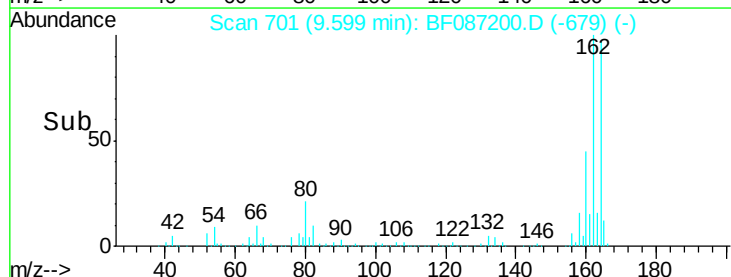
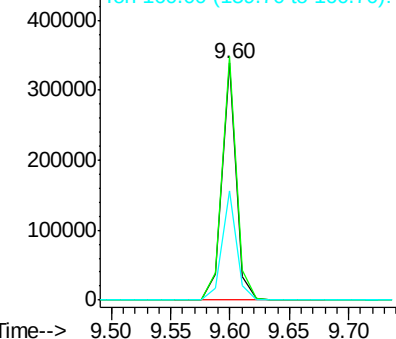
164 100

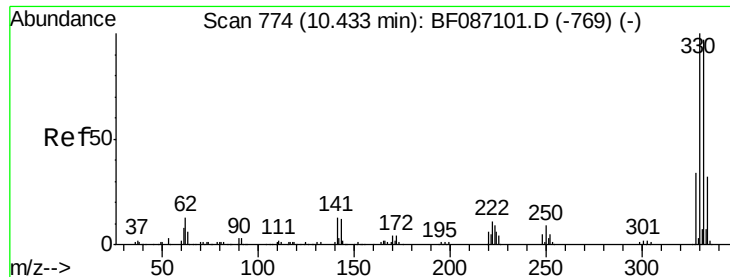
162 102.8 82.8 124.2

160 46.4 36.9 55.3



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

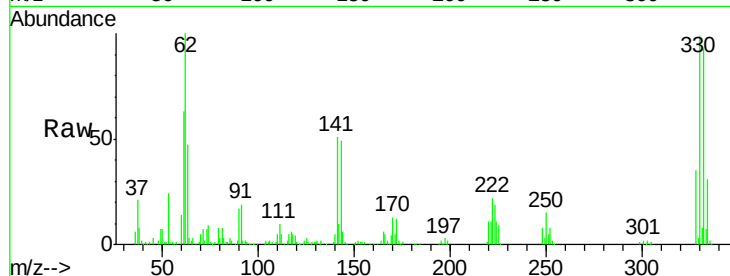




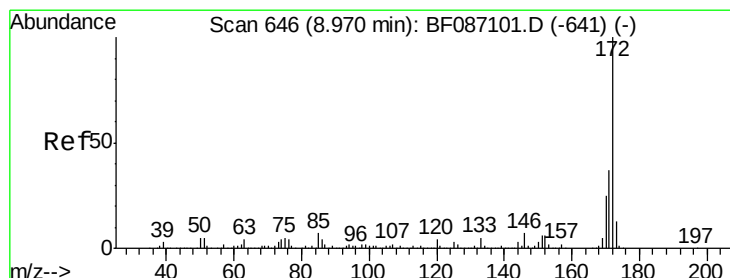
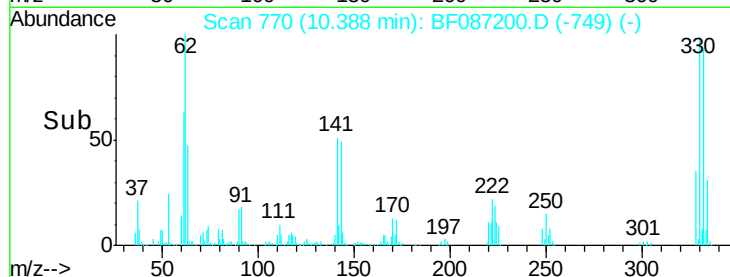
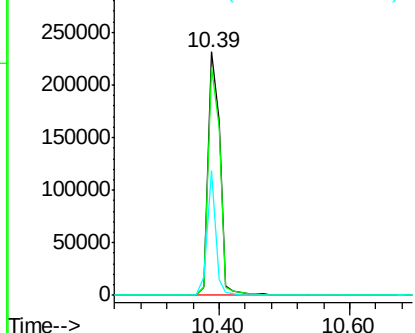
#41
 2,4,6-Tribromophenol
 Concen: 93.10 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.06 min
 Lab File: BF087200.D
 Acq: 19 May 2016 21:35

Instrument :
 BNA_F
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 NC-TS-002RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	79.0	118.4
141	37.0	31.2	46.8

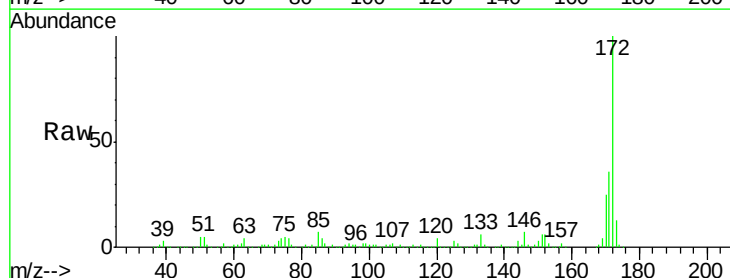


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

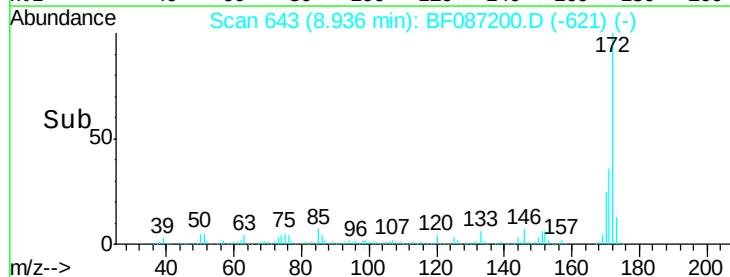
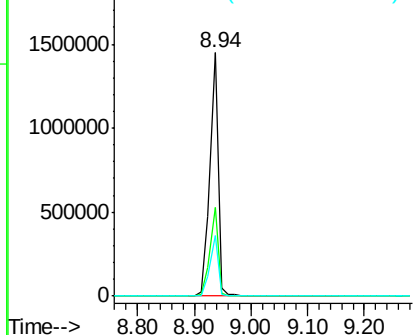


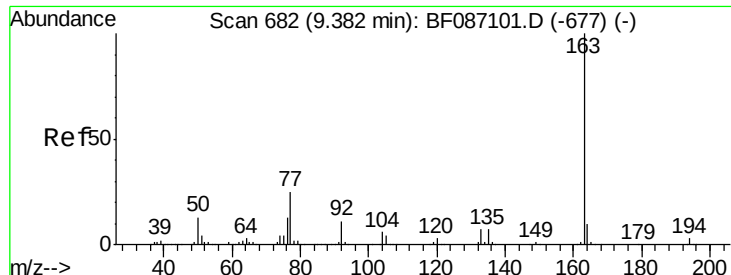
#44
 2-Fluorobiphenyl
 Concen: 81.32 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF087200.D
 Acq: 19 May 2016 21:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.9	19.8	29.8



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: 12.62 ng

RT: 9.34 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Instrument :

BNA_F

ClientSampleId :

NC-TS-002RE

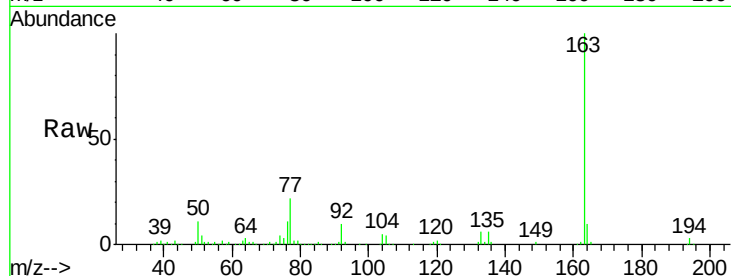
Tgt Ion:163 Resp: 274787

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

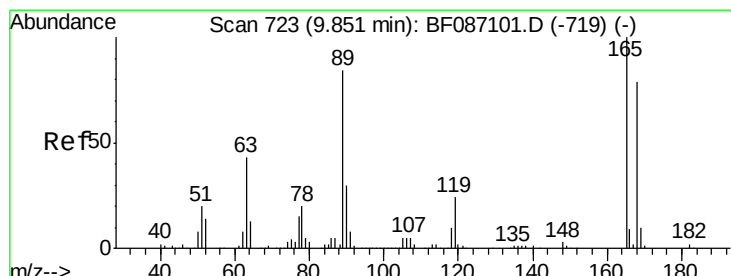
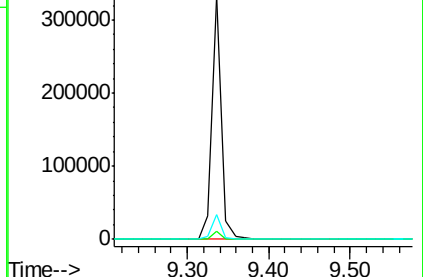
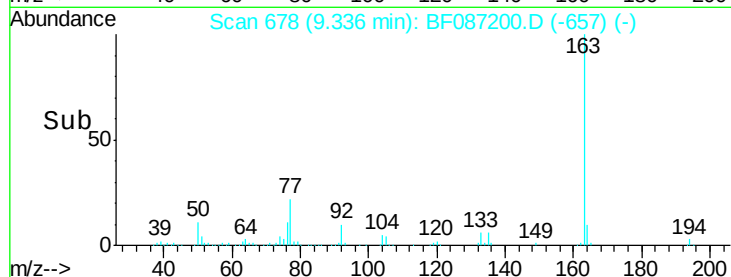
164 10.0 8.2 12.4



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: 5.94 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.26 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Tgt Ion:165 Resp: 35970

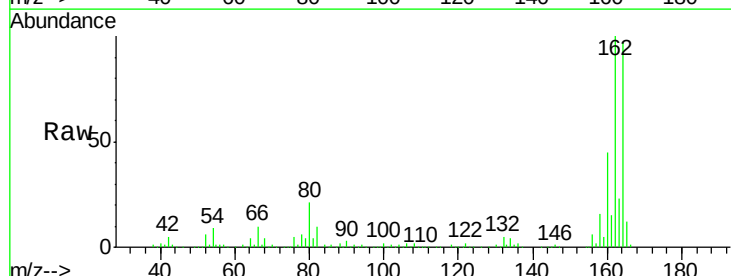
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 1.9 70.0 105.0#

182 0.0 1.8 2.6#

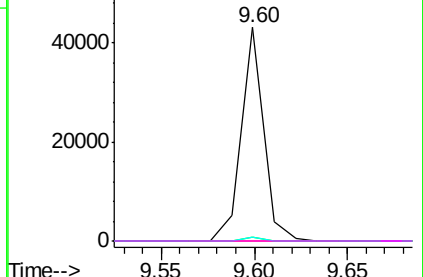
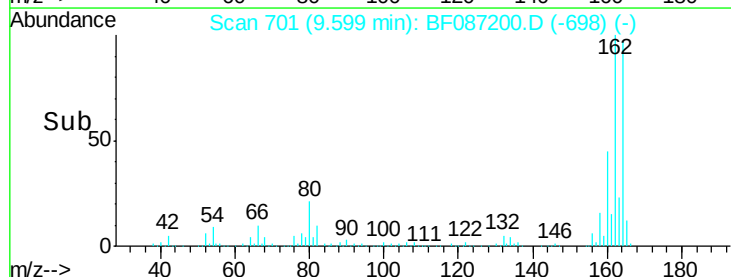


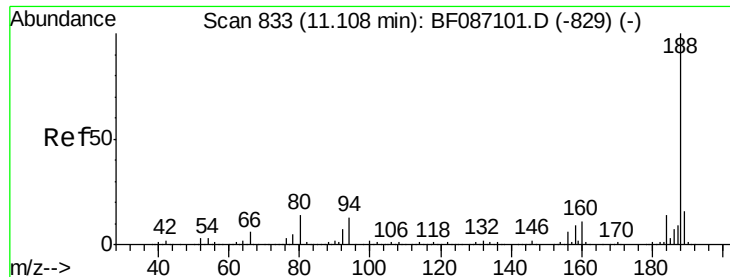
Abundance Ion 165.00 (164.70 to 165.70): E

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

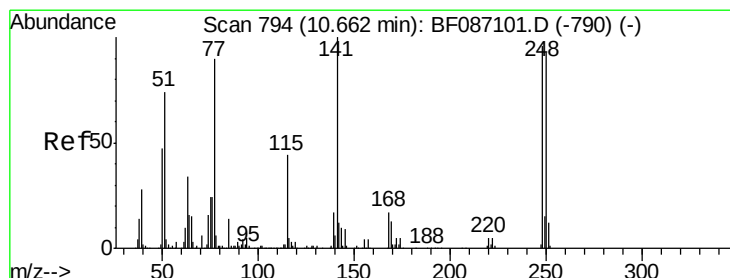
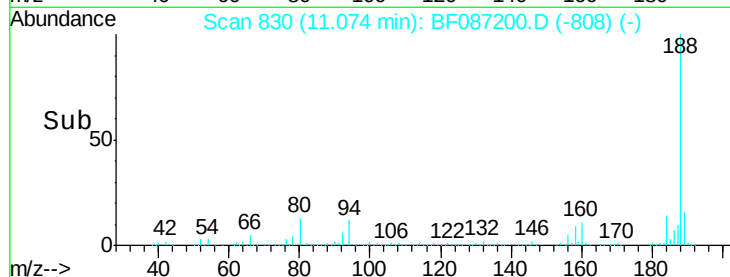
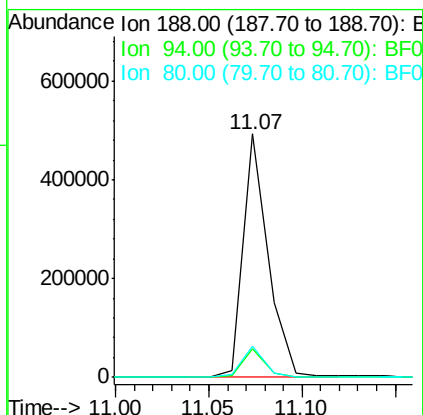
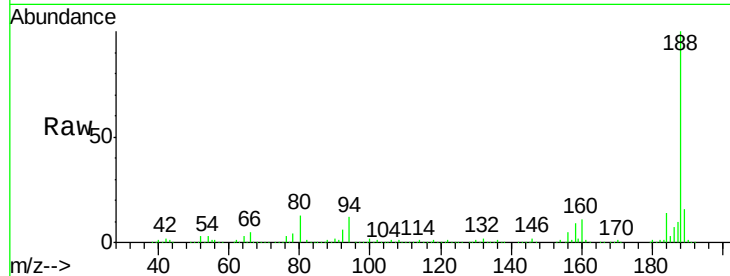




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.05 min
 Lab File: BF087200.D
 Acq: 19 May 2016 21:35

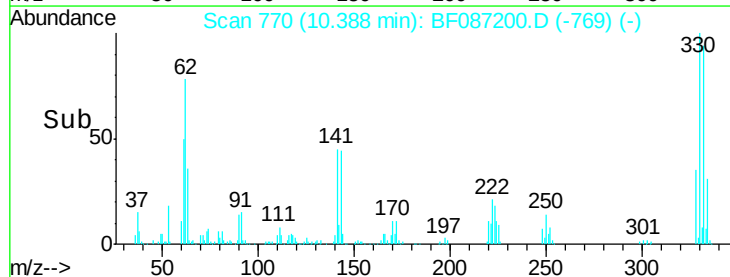
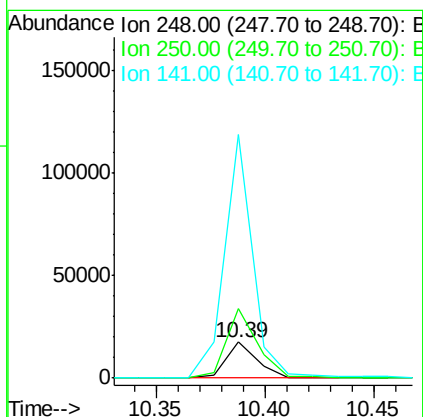
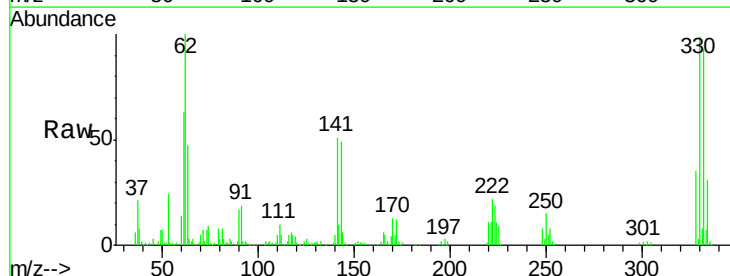
Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-002RE

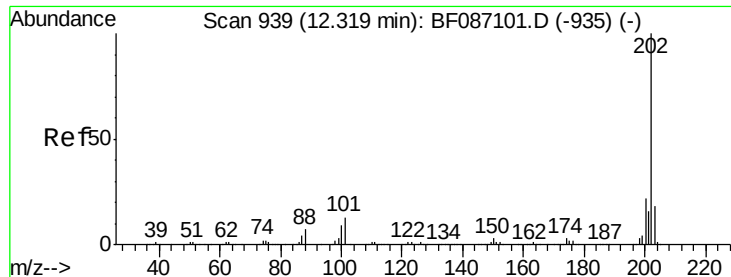
Tgt Ion:188 Resp: 462972
 Ion Ratio Lower Upper
 188 100
 94 11.9 6.8 10.2#
 80 13.0 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 3.66 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.29 min
 Lab File: BF087200.D
 Acq: 19 May 2016 21:35

Tgt Ion:248 Resp: 17419
 Ion Ratio Lower Upper
 248 100
 250 193.8 78.6 117.8#
 141 672.5 76.0 114.0#





#74

Fluoranthene

Concen: 2.02 ng

RT: 12.29 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Instrument :

BNA_F

ClientSampleId :

NC-TS-002RE

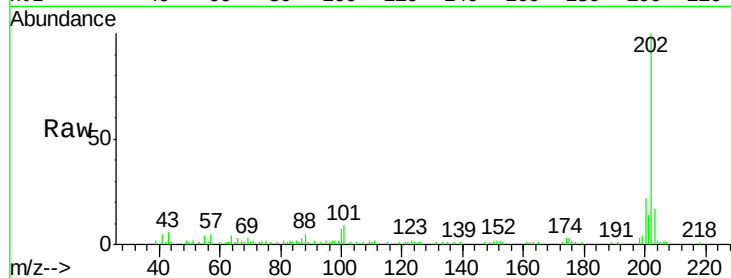
Tgt Ion: 202 Resp: 50927

Ion Ratio Lower Upper

202 100

101 9.2 0.0 35.4

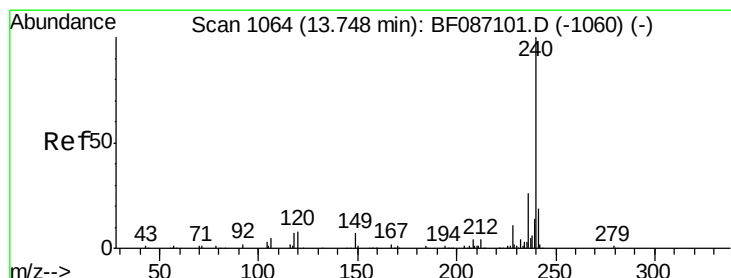
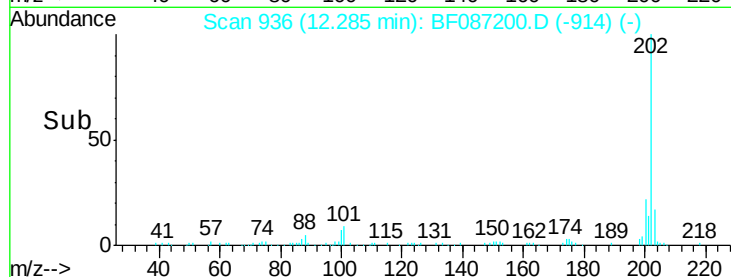
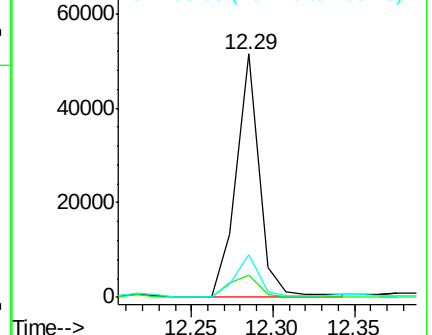
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.06 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

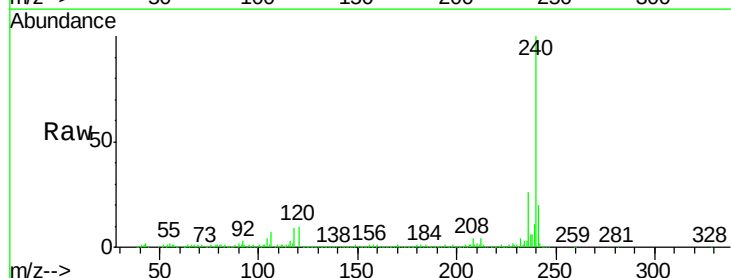
Tgt Ion: 240 Resp: 313718

Ion Ratio Lower Upper

240 100

120 10.5 11.2 16.8#

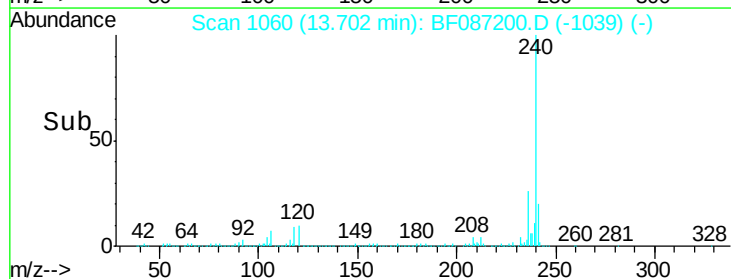
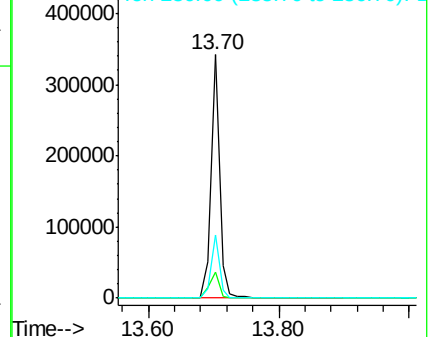
236 25.9 21.2 31.8

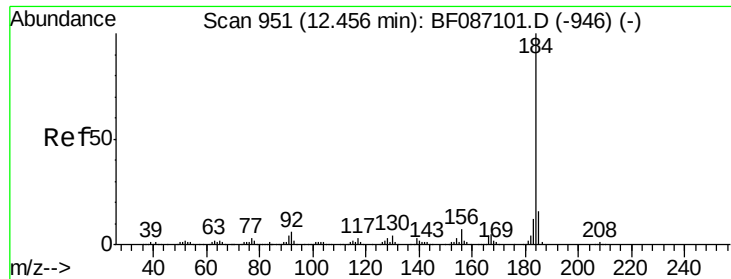


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.24 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.20 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Instrument :

BNA_F

ClientSampleId :

NC-TS-002RE

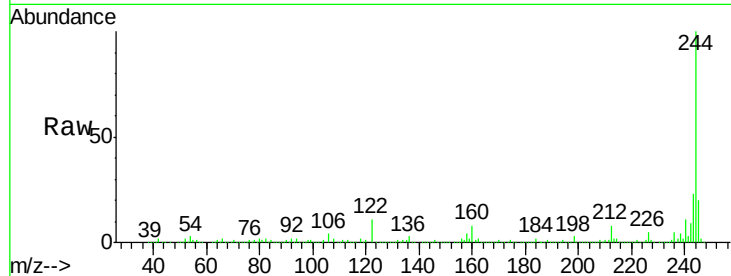
Tgt Ion:184 Resp: 15019

Ion Ratio Lower Upper

184 100

185 19.6 13.6 20.4

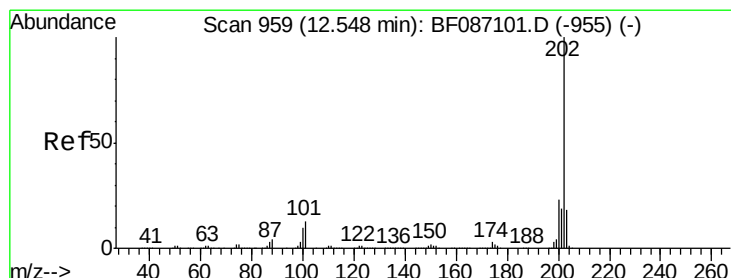
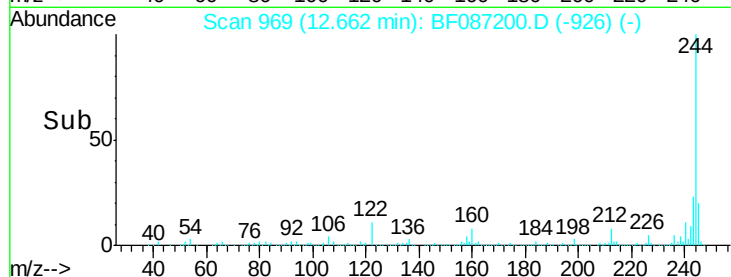
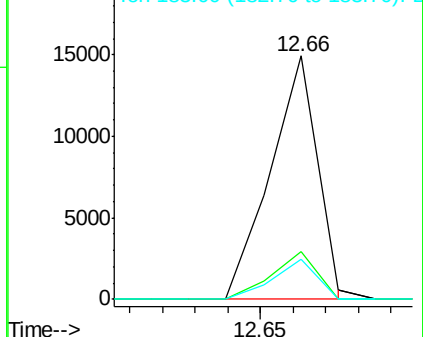
183 16.3 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 2.60 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.06 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

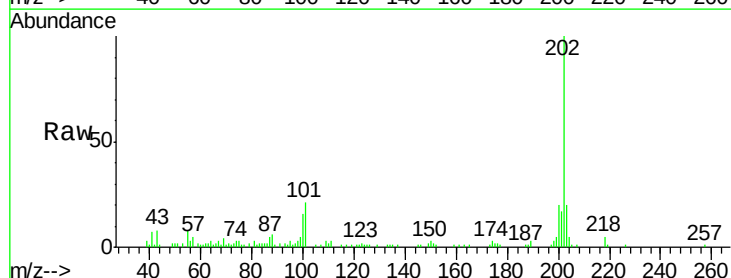
Tgt Ion:202 Resp: 58890

Ion Ratio Lower Upper

202 100

200 20.0 17.7 26.5

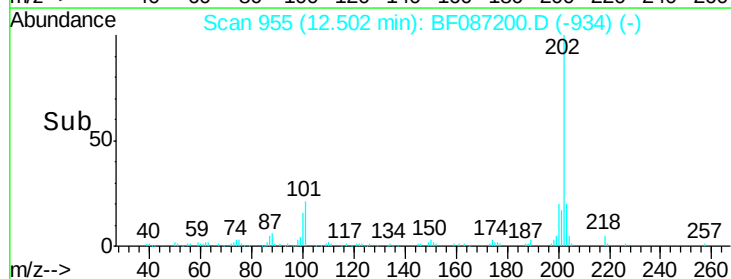
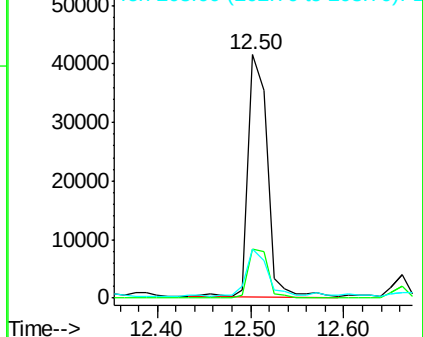
203 20.2 14.2 21.4

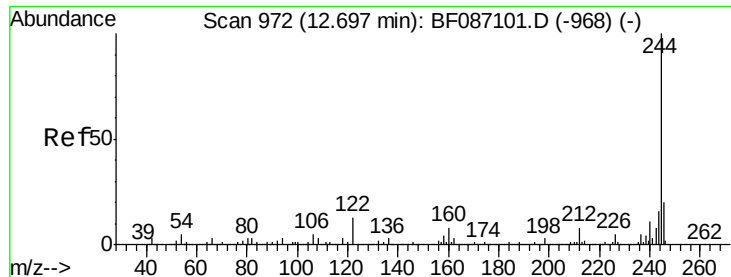


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.30 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

Instrument :

BNA_F

ClientSampleId :

NC-TS-002RE

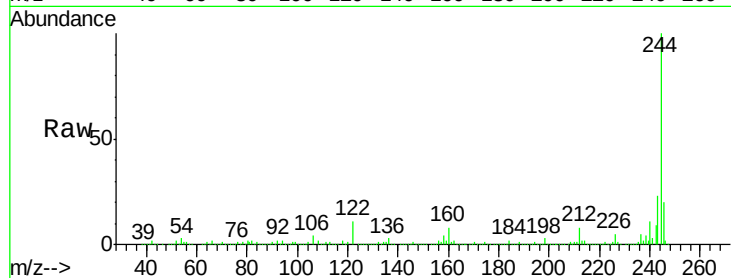
Tgt Ion:244 Resp: 905661

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

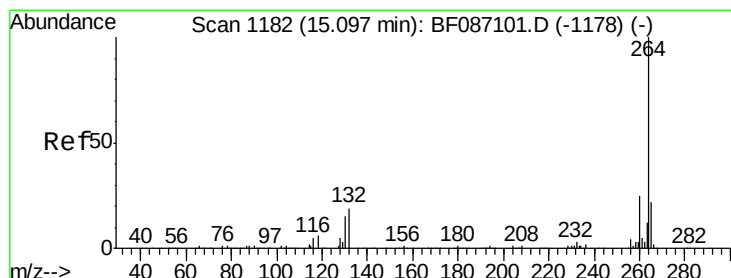
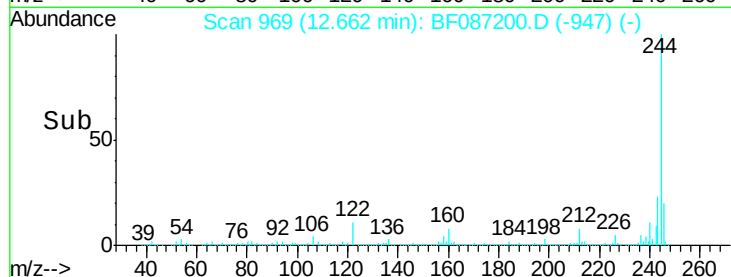
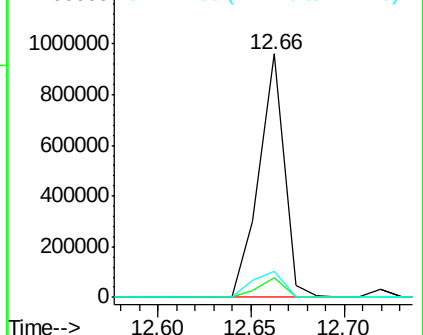
122 10.8 12.0 18.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.05 min Scan# 1178

Delta R.T. -0.06 min

Lab File: BF087200.D

Acq: 19 May 2016 21:35

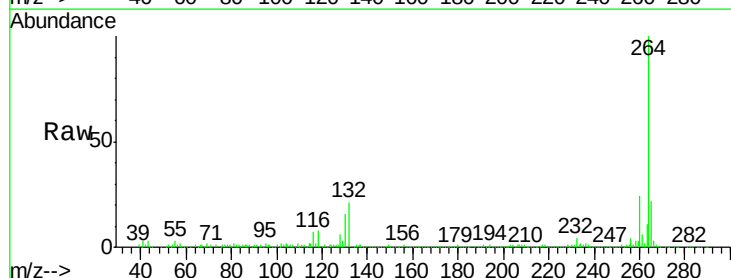
Tgt Ion:264 Resp: 299957

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

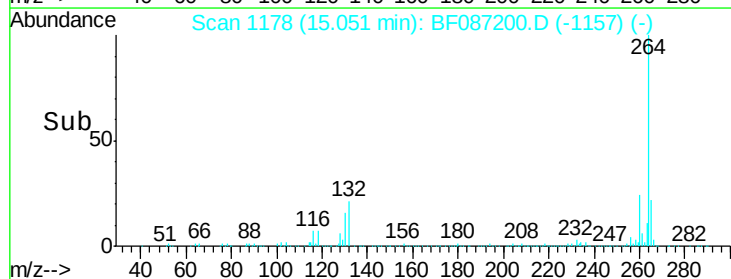
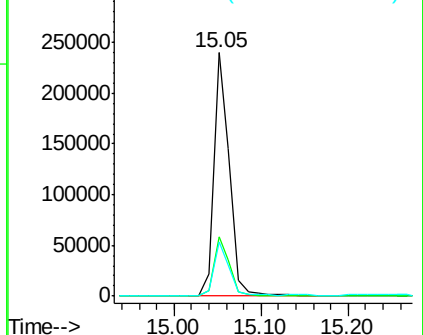
265 22.0 17.3 25.9

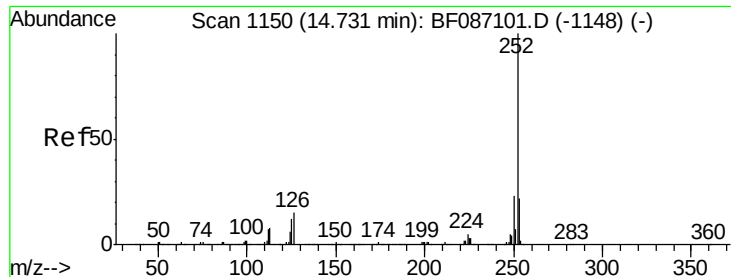


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

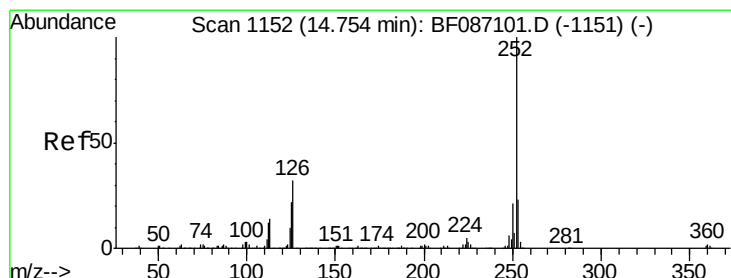
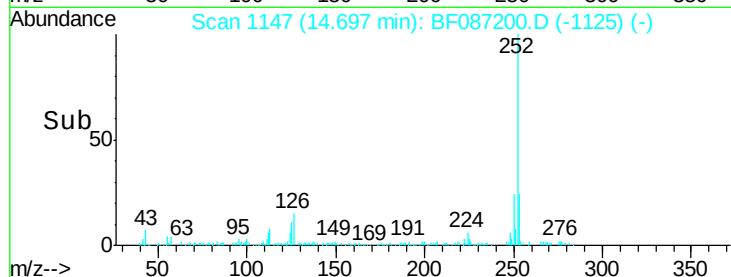
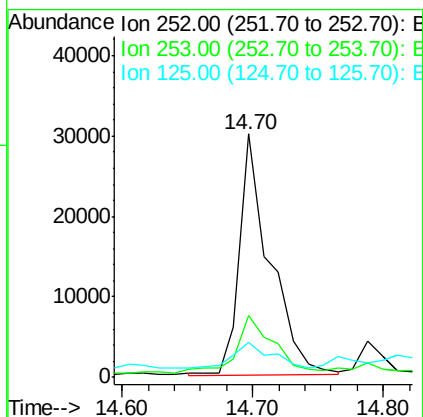
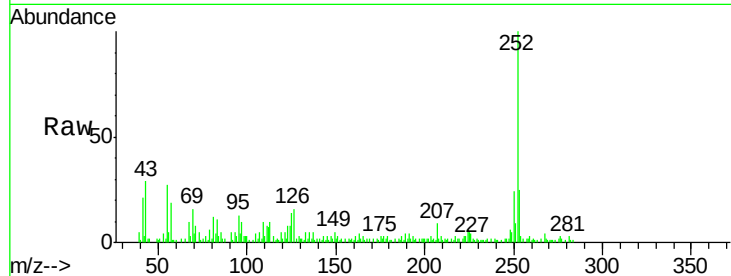




#87
Benzo(b)fluoranthene
Concen: 2.44 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF087200.D
Acq: 19 May 2016 21:35

Instrument :
BNA_F
ClientSampleId :
NC-TS-002RE

Tgt Ion: 252 Resp: 48518
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 14.4 11.4 17.0



#88
Benzo(k)fluoranthene
Concen: 3.19 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.08 min
Lab File: BF087200.D
Acq: 19 May 2016 21:35

Tgt Ion: 252 Resp: 47277
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 14.4 9.1 13.7#

