

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087133.D
 Acq On : 18 May 2016 6:10
 Operator : UM/SJ
 Sample : H3115-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-002

Quant Time: May 18 06:38:52 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

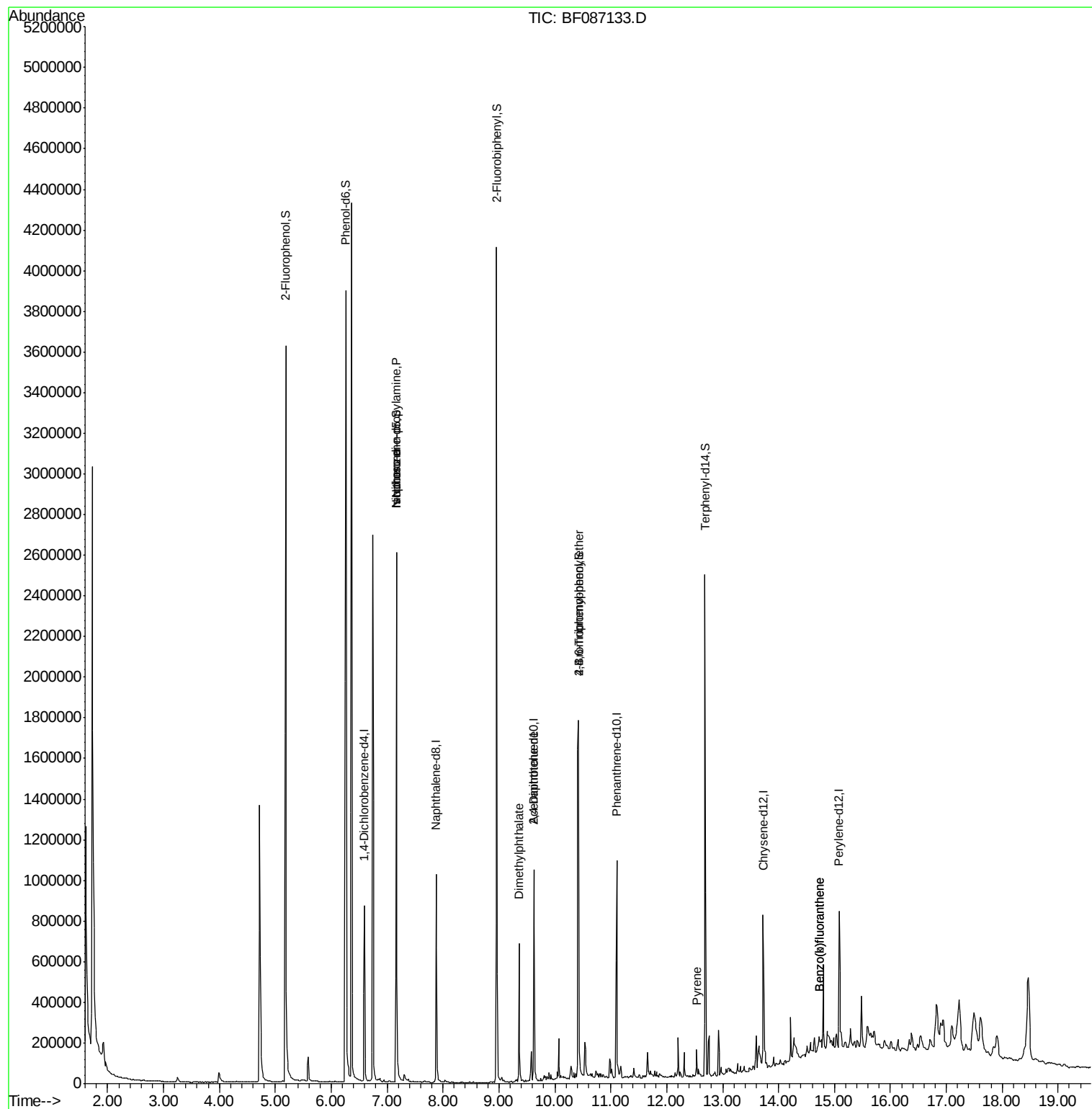
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	145902	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	575754	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	257361	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	465275	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	287544	20.00	ng	-0.03
86) Perylene-d12	15.09	264	299900	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1051009	121.08	ng	-0.01
7) Phenol-d6	6.26	99	1390663	119.45	ng	-0.02
23) Nitrobenzene-d5	7.16	82	835738	72.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	313110	110.10	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1169091	75.23	ng	-0.02
78) Terphenyl-d14	12.68	244	768105	60.43	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	117963	13.33	ng	# 71
25) Isophorone	7.16	82	719409	34.02	ng	# 68
49) Dimethylphthalate	9.36	163	242079	12.33	ng	100
55) 4-Nitrophenol	9.84	139	304	Below Cal	#	37
56) 2,4-Dinitrotoluene	9.62	165	32568	5.97	ng	# 16
66) 4-Bromophenyl-phenylether	10.42	248	18613	3.89	ng	# 1
77) Pyrene	12.54	202	52895	2.55	ng	99
87) Benzo(b)fluoranthene	14.73	252	47416	2.38	ng	94
88) Benzo(k)fluoranthene	14.73	252	47039	3.18	ng	92

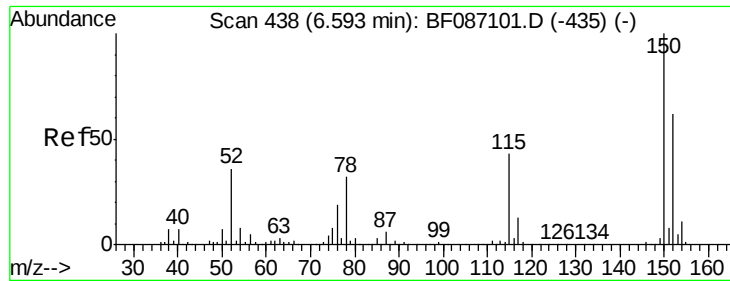
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

Instrument :

BNA_F

ClientSampleId :

NC-TS-002

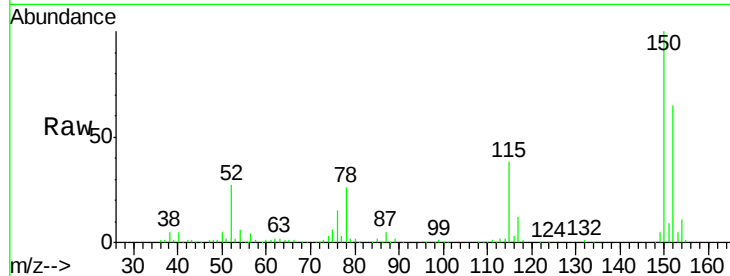
Tgt Ion:152 Resp: 145902

Ion Ratio Lower Upper

152 100

150 154.1 125.8 188.6

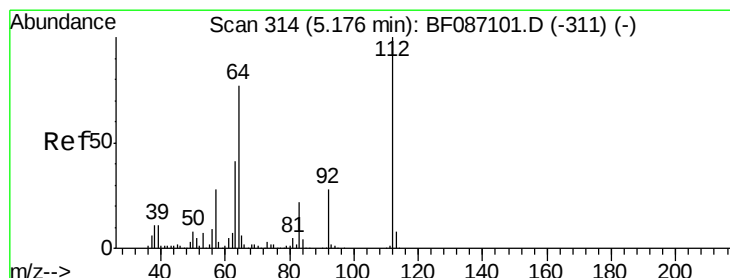
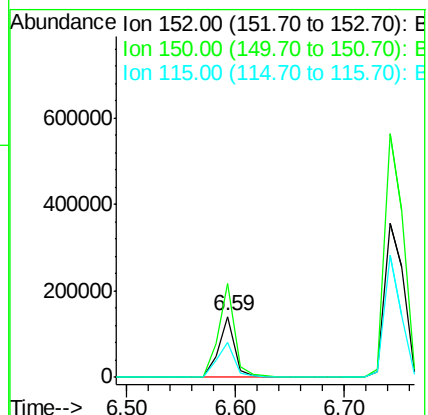
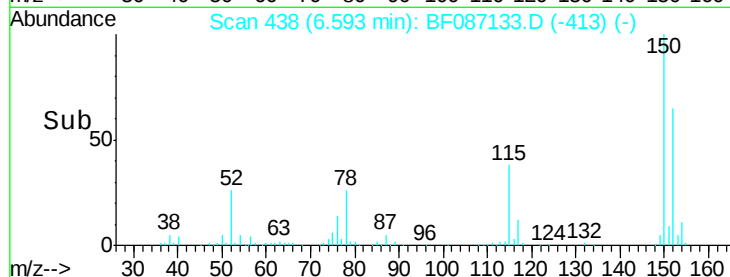
115 58.4 51.5 77.3



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: 121.08 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

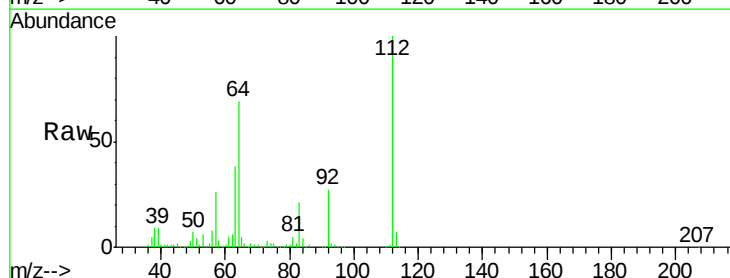
Tgt Ion:112 Resp: 1051009

Ion Ratio Lower Upper

112 100

64 68.8 52.1 78.1

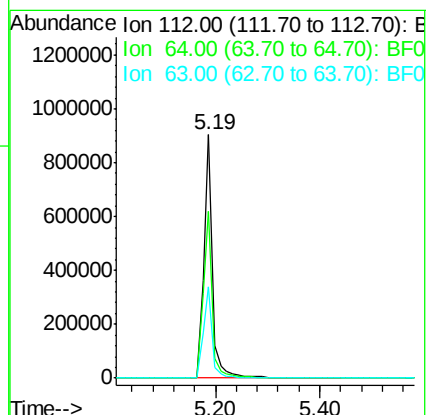
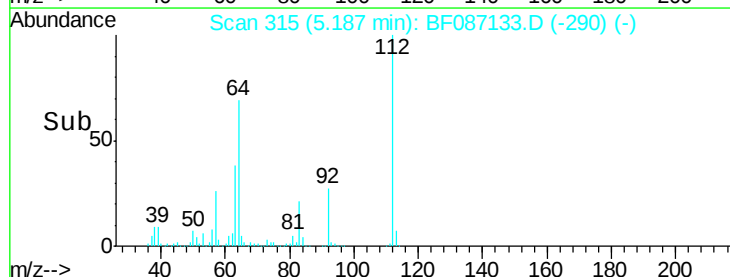
63 37.7 25.7 38.5



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: 119.45 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

Instrument :

BNA_F

ClientSampleId :

NC-TS-002

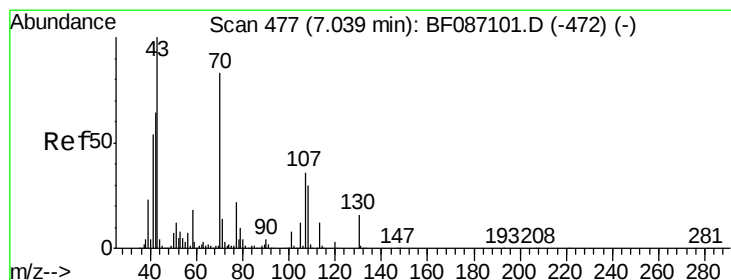
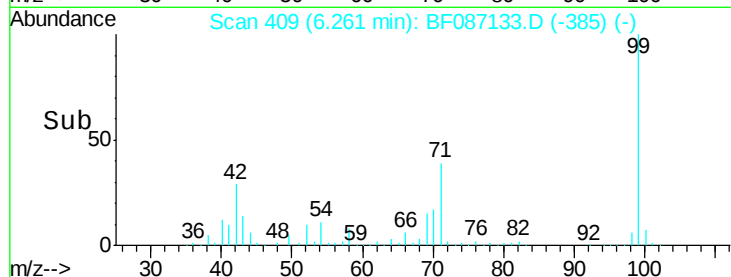
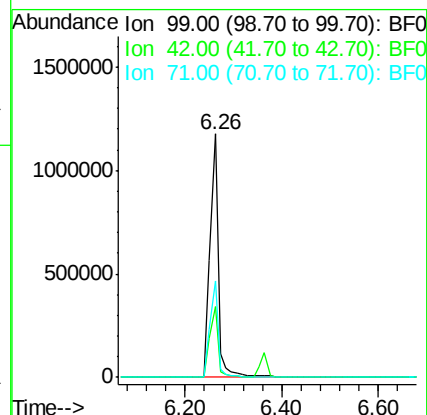
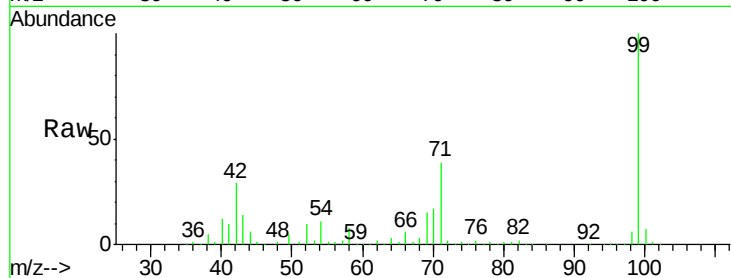
Tgt Ion: 99 Resp: 1390663

Ion Ratio Lower Upper

99 100

42 28.8 13.6 20.4#

71 39.4 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.33 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.11 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

Tgt Ion: 70 Resp: 117963

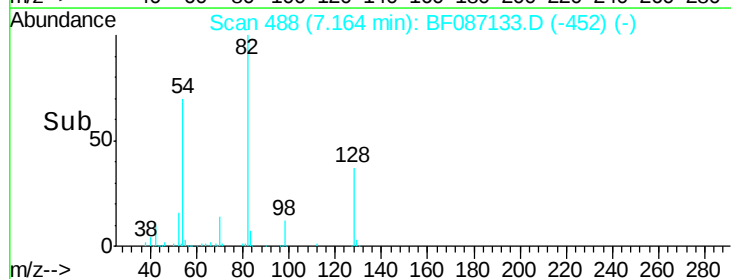
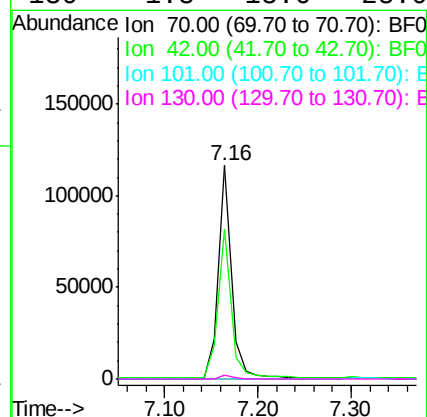
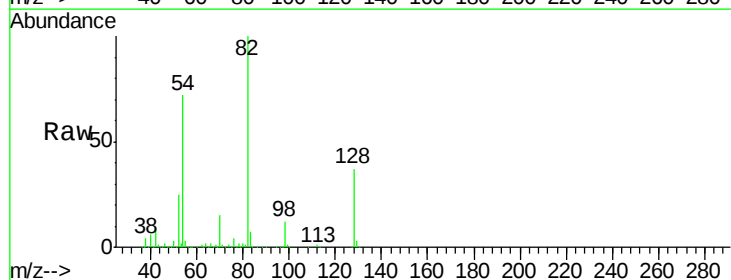
Ion Ratio Lower Upper

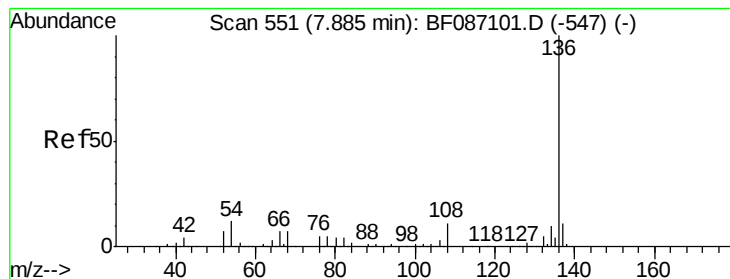
70 100

42 69.9 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

Instrument :

BNA_F

ClientSampleId :

NC-TS-002

Tgt Ion: 136 Resp: 575754

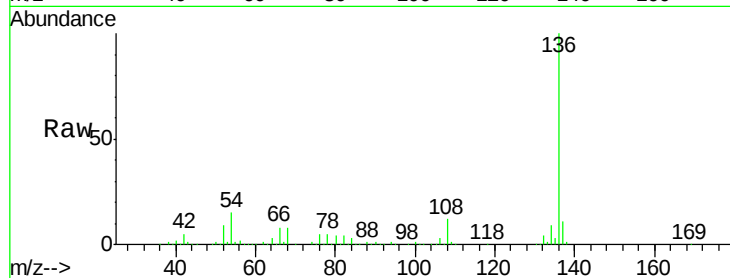
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 15.4 5.0 7.4#

68 7.9 4.4 6.6#

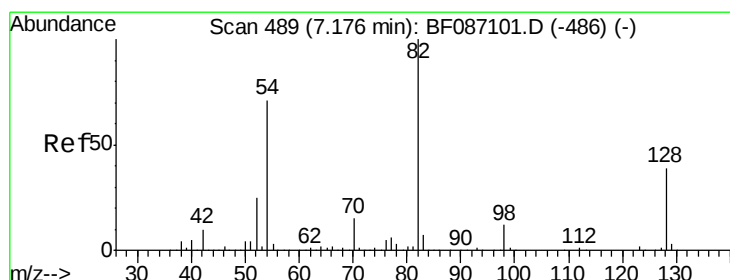
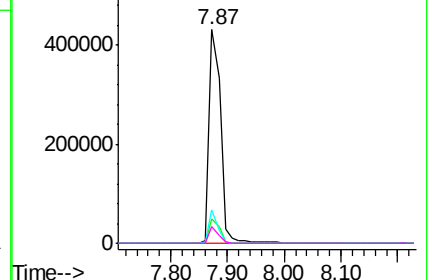
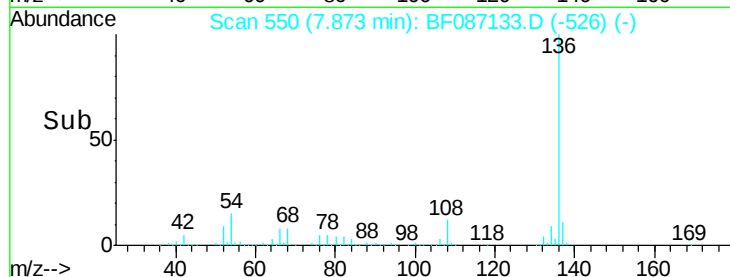


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.34 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.02 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

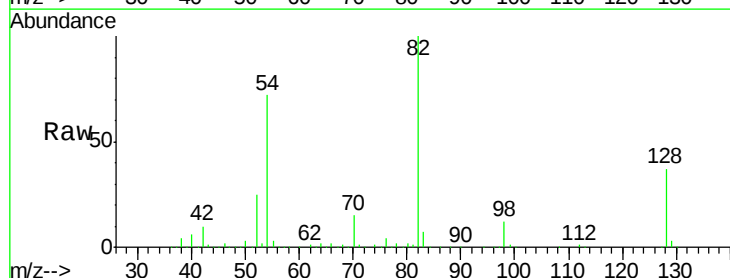
Tgt Ion: 82 Resp: 835738

Ion Ratio Lower Upper

82 100

128 37.4 40.6 61.0#

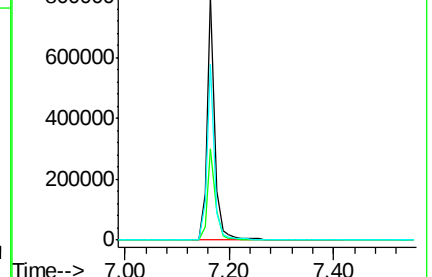
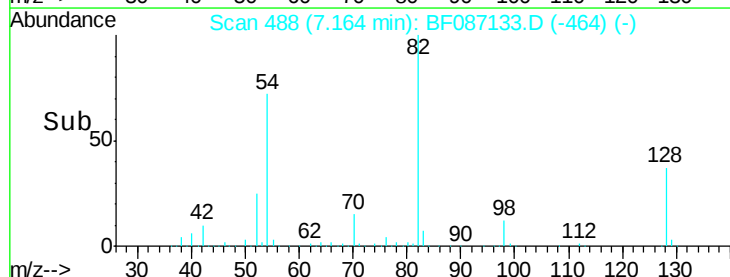
54 72.2 38.1 57.1#

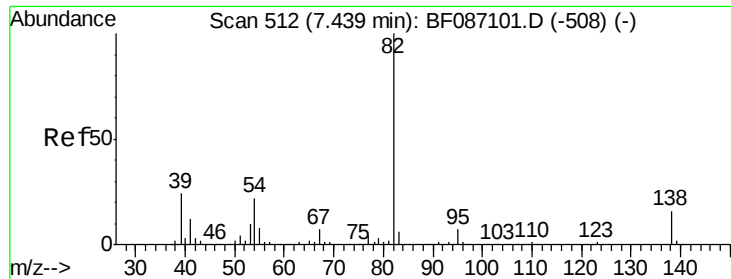


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.02 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.29 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

Instrument :

BNA_F

ClientSampleId :

NC-TS-002

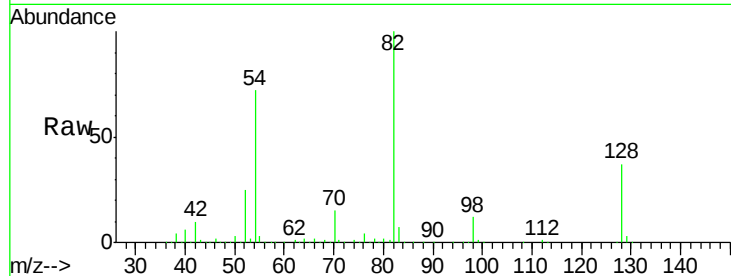
Tgt Ion: 82 Resp: 719409

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#

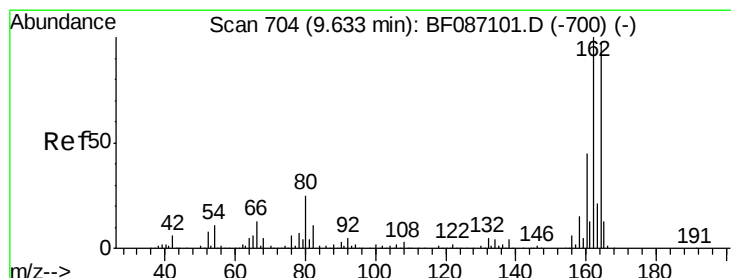
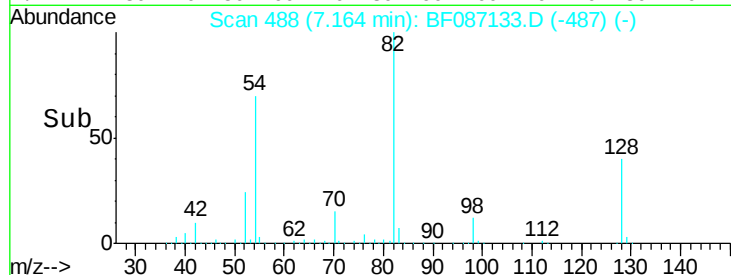


Abundance Ion 82.00 (81.70 to 82.70): BF087101.D (-508) (-)

Ion 95.00 (94.70 to 95.70): BF087101.D (-508) (-)

Ion 138.00 (137.70 to 138.70): BF087101.D (-508) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

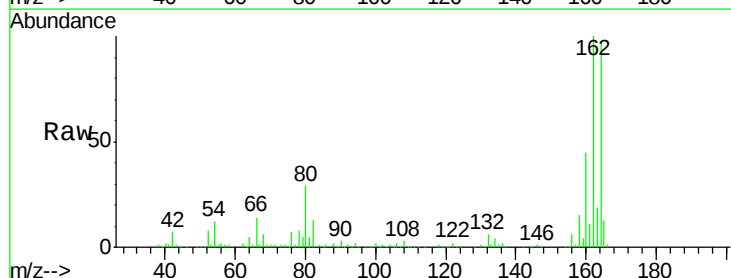
Tgt Ion: 164 Resp: 257361

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

160 45.9 36.9 55.3

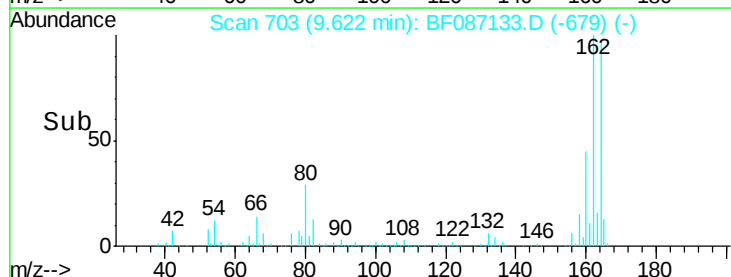


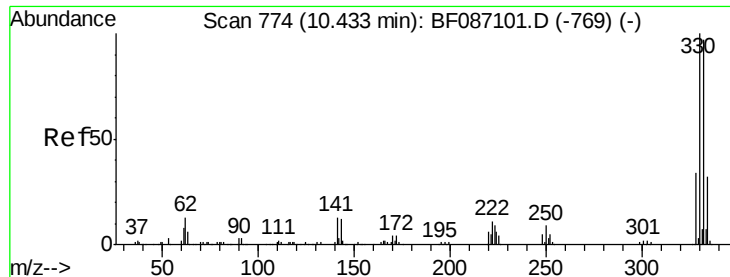
Abundance Ion 164.00 (163.70 to 164.70): BF087133.D (-679) (-)

Ion 162.00 (161.70 to 162.70): BF087133.D (-679) (-)

Ion 160.00 (159.70 to 160.70): BF087133.D (-679) (-)

Time-->

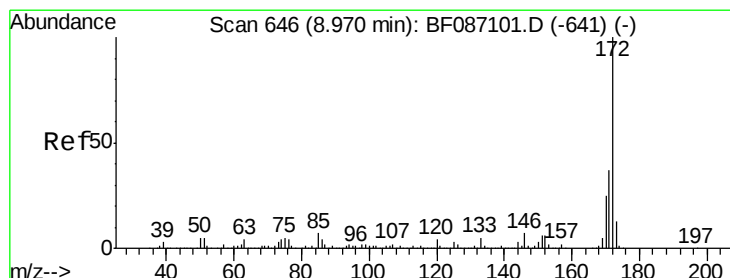
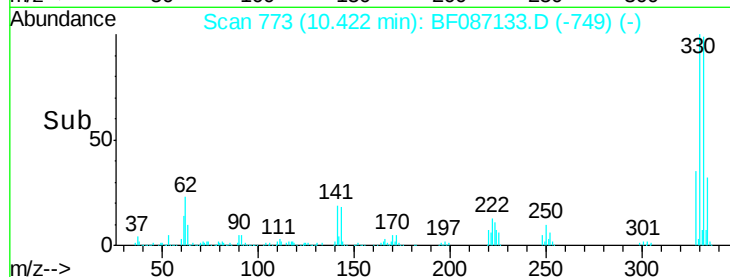
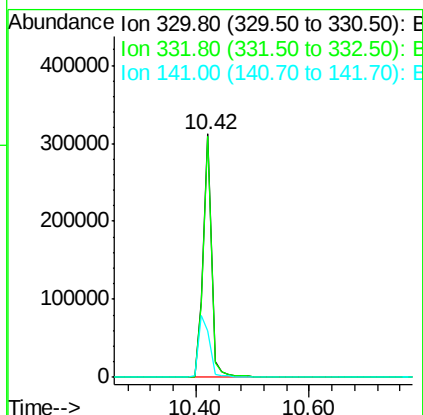
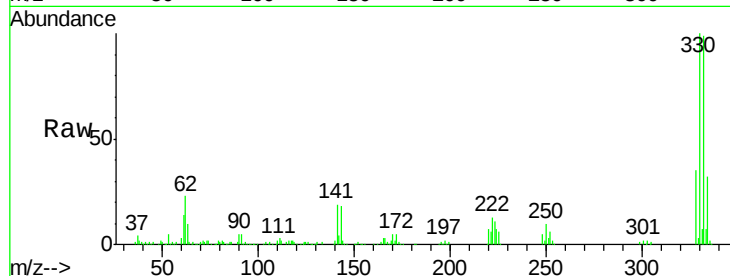




#41
 2,4,6-Tribromophenol
 Concen: 110.10 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087133.D
 Acq: 18 May 2016 6:10

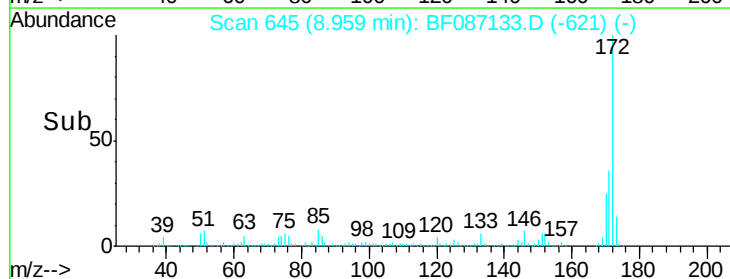
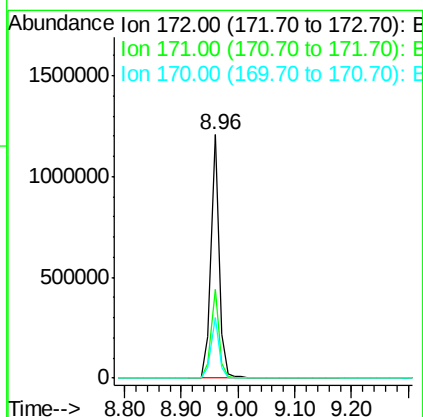
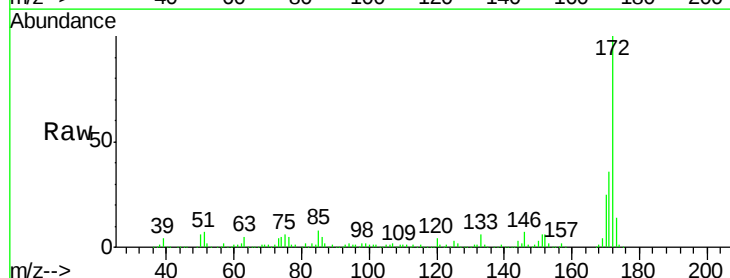
Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-002

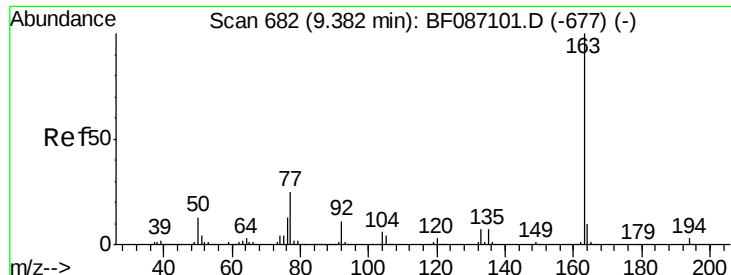
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	79.0	118.4
141	33.7	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 75.23 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087133.D
 Acq: 18 May 2016 6:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.6
170	24.9	19.8	29.8

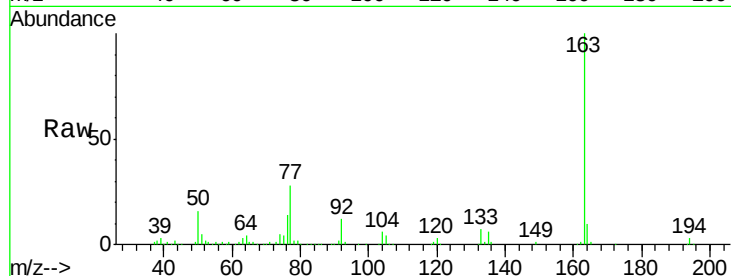




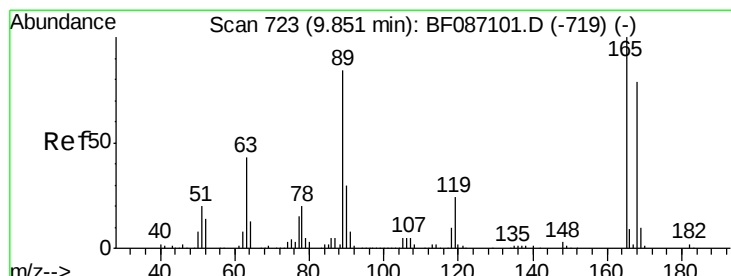
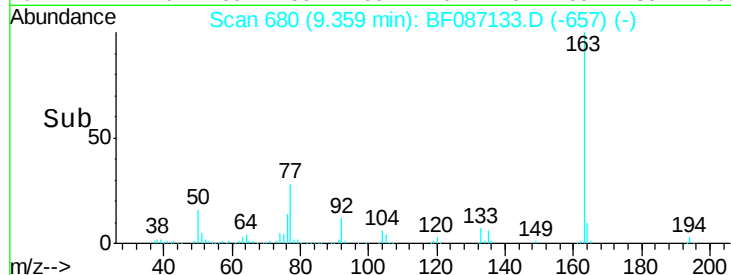
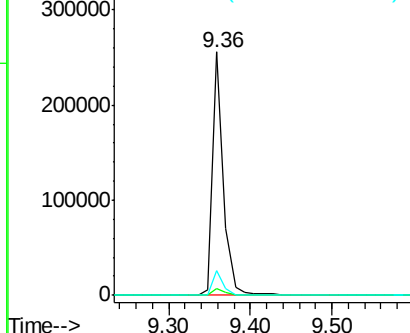
#49
Dimethylphthalate
Concen: 12.33 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF087133.D
Acq: 18 May 2016 6:10

Instrument :
BNA_F
ClientSampleId :
NC-TS-002

Tgt Ion:163 Resp: 242079
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.4 8.2 12.4

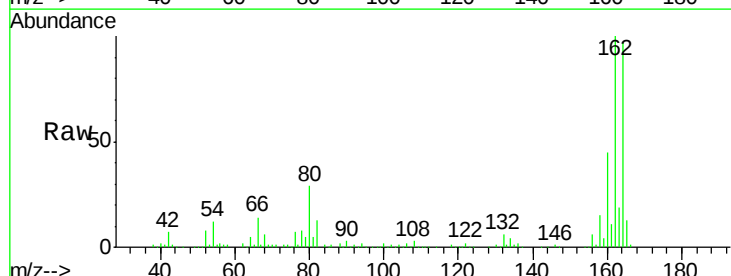


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

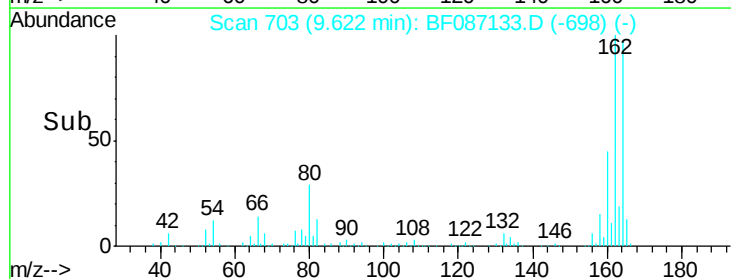
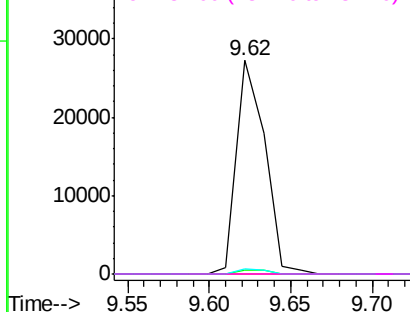


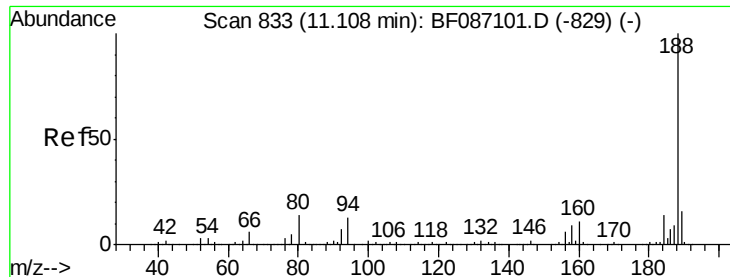
#56
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.24 min
Lab File: BF087133.D
Acq: 18 May 2016 6:10

Tgt Ion:165 Resp: 32568
Ion Ratio Lower Upper
165 100
63 2.0 44.3 66.5#
89 2.3 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

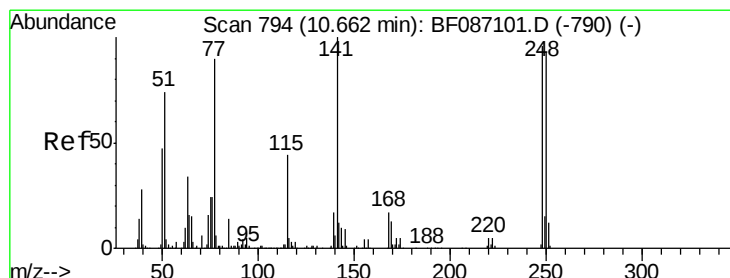
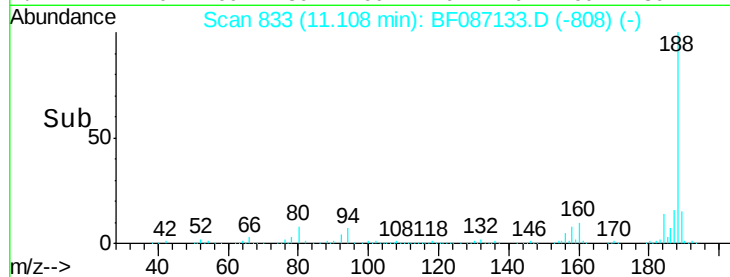
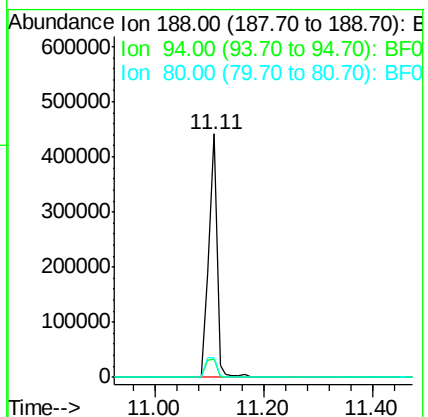
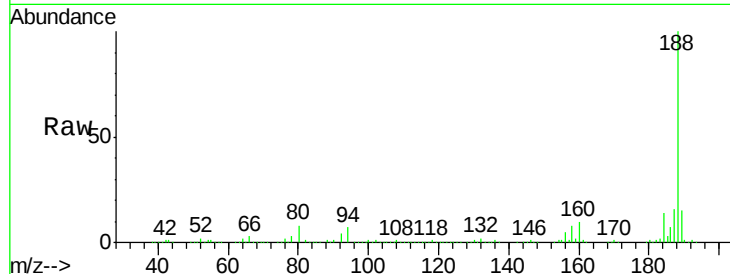




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF087133.D
 Acq: 18 May 2016 6:10

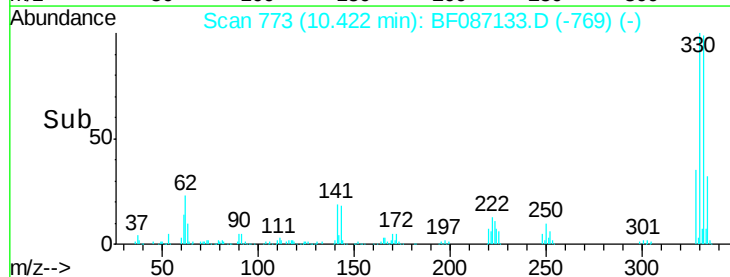
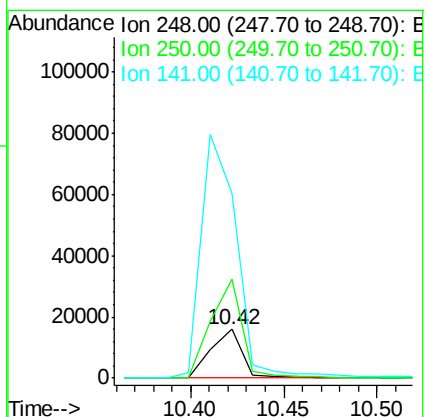
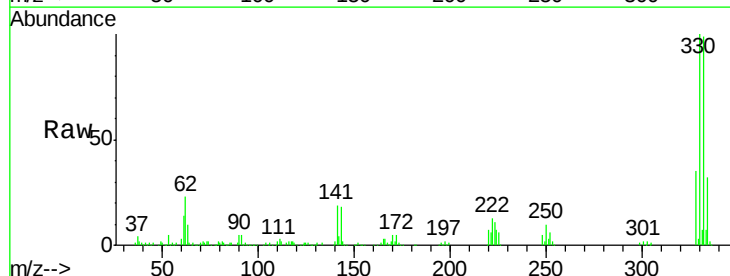
Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-002

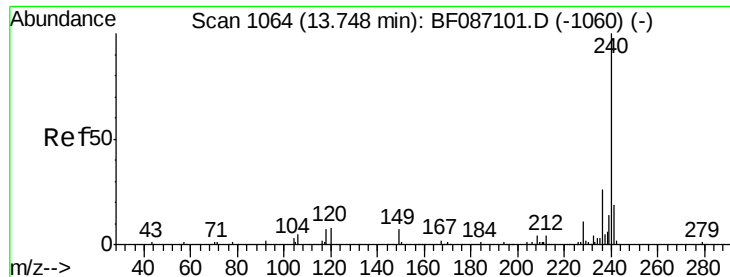
Tgt Ion:188 Resp: 465275
 Ion Ratio Lower Upper
 188 100
 94 7.5 6.8 10.2
 80 7.9 7.1 10.7



#66
 4-Bromophenyl-phenylether
 Concen: 3.89 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.25 min
 Lab File: BF087133.D
 Acq: 18 May 2016 6:10

Tgt Ion:248 Resp: 18613
 Ion Ratio Lower Upper
 248 100
 250 202.1 78.6 117.8#
 141 377.3 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

Instrument :

BNA_F

ClientSampled :

NC-TS-002

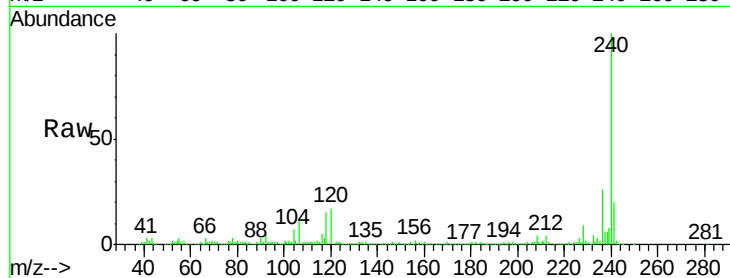
Tgt Ion:240 Resp: 287544

Ion Ratio Lower Upper

240 100

120 17.1 11.2 16.8#

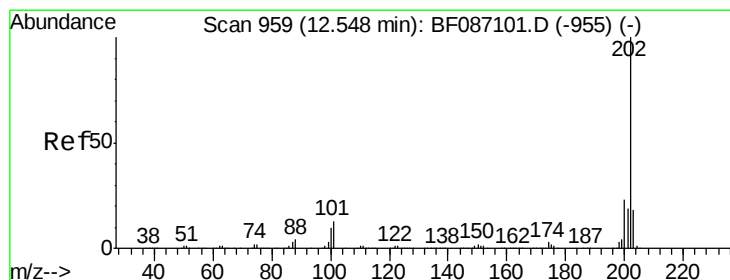
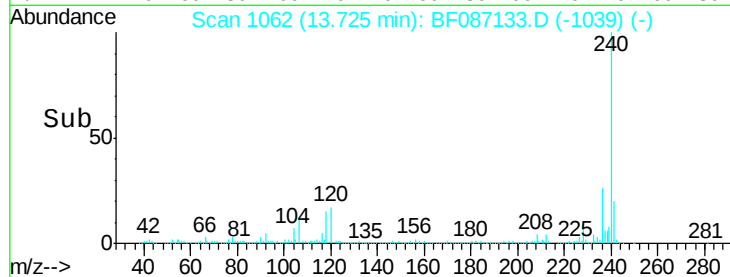
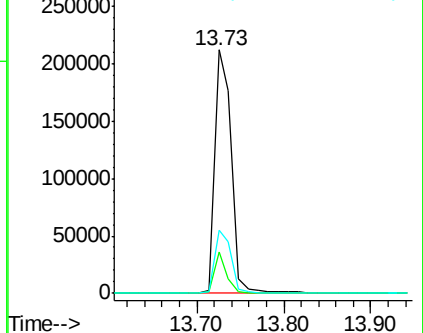
236 26.1 21.2 31.8



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



#77

Pyrene

Concen: 2.55 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

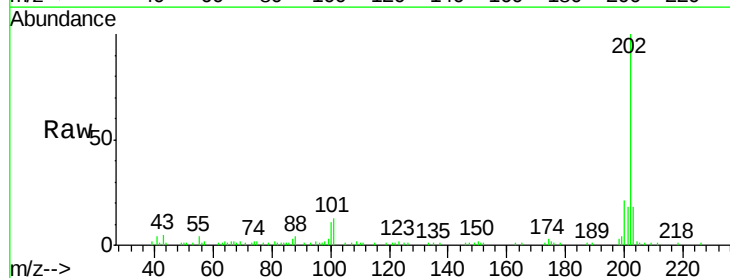
Tgt Ion:202 Resp: 52895

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

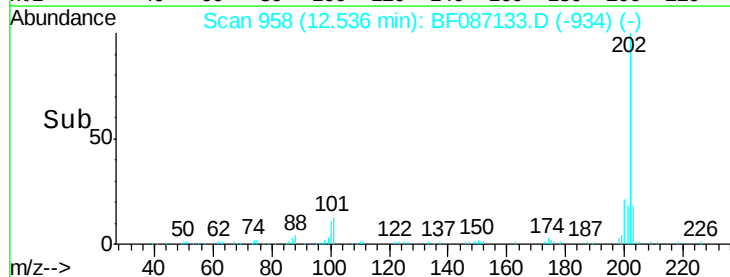
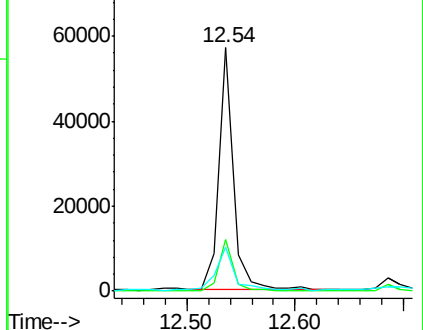
203 17.8 14.2 21.4

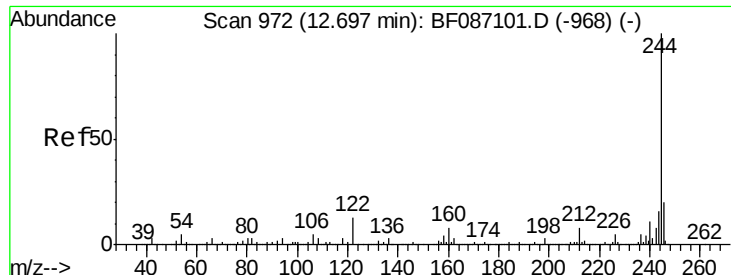


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

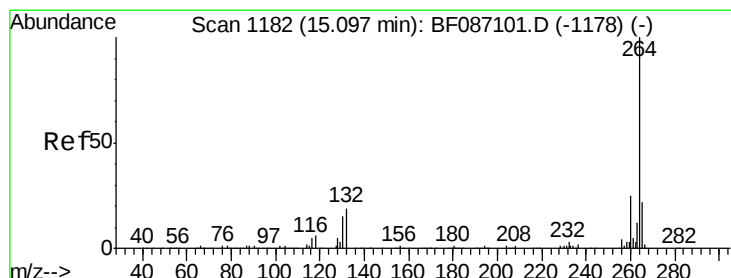
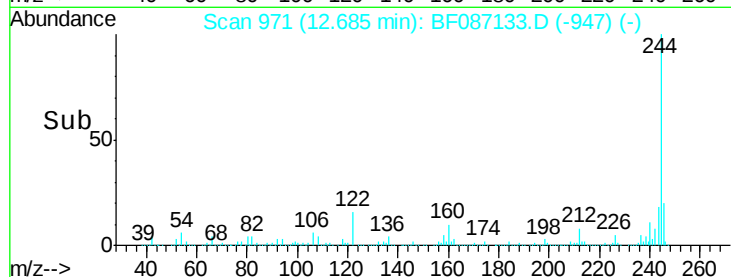
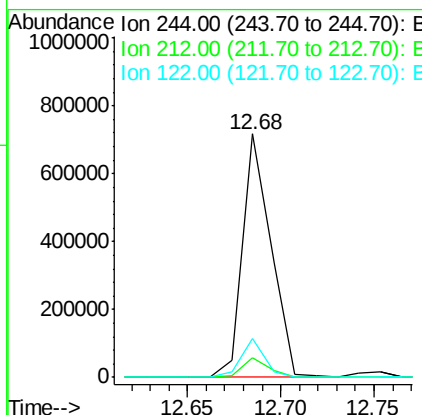
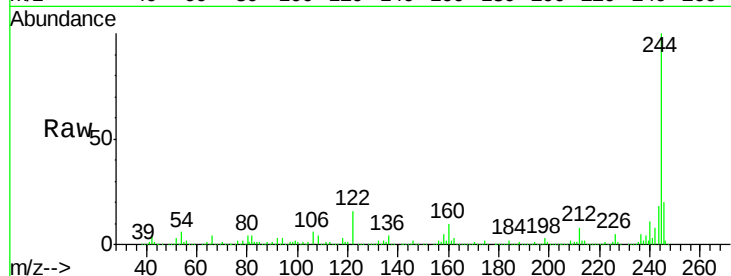




#78
 Terphenyl-d14
 Concen: 60.43 ng
 RT: 12.68 min Scan# 971
 Delta R.T. -0.02 min
 Lab File: BF087133.D
 Acq: 18 May 2016 6:10

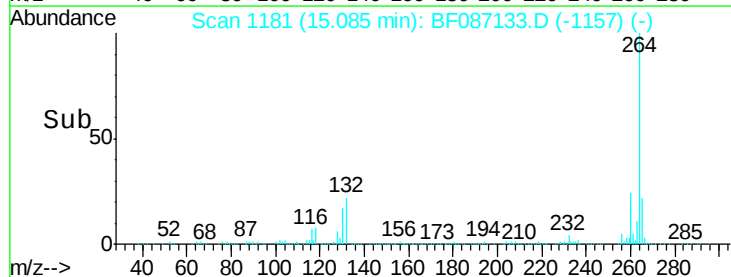
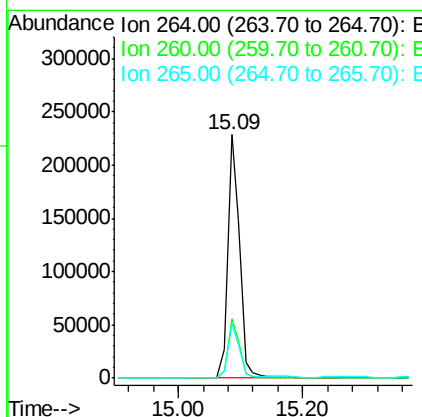
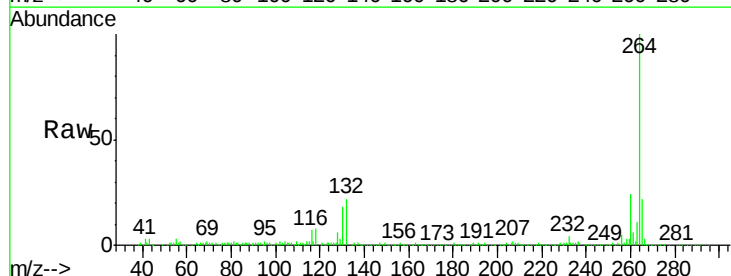
Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-002

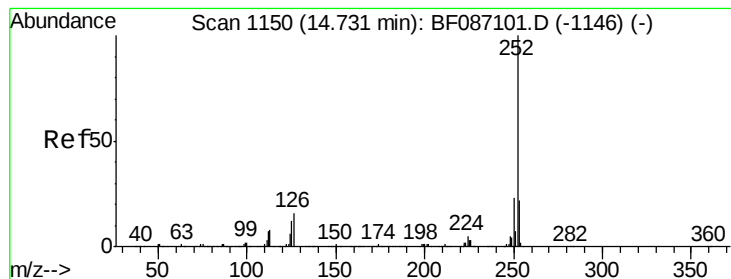
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	15.7	12.0	18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF087133.D
 Acq: 18 May 2016 6:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 2.38 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

Instrument :

BNA_F

ClientSampleId :

NC-TS-002

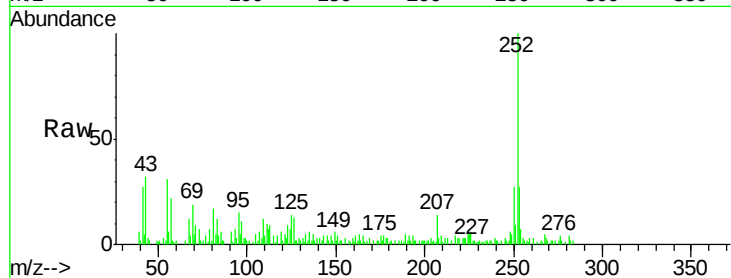
Tgt Ion:252 Resp: 47416

Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

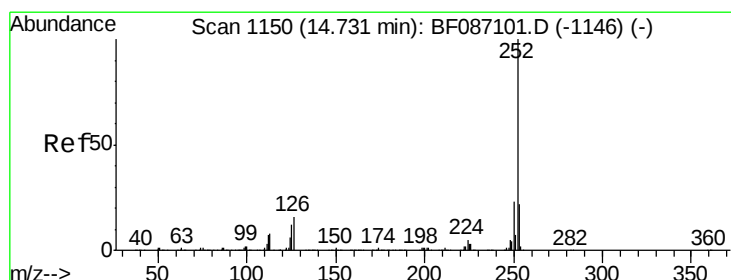
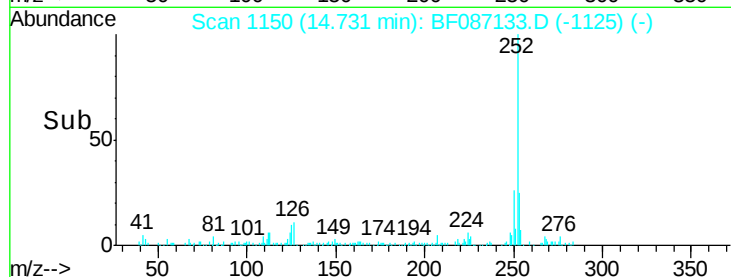
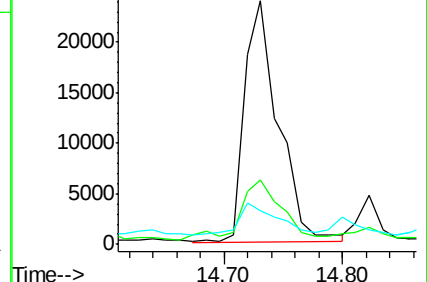
125 13.6 11.4 17.0



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: 3.18 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.05 min

Lab File: BF087133.D

Acq: 18 May 2016 6:10

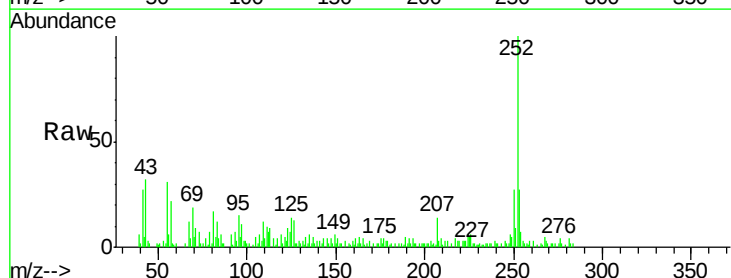
Tgt Ion:252 Resp: 47039

Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

125 13.6 9.1 13.7



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

