

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087201.D
 Acq On : 19 May 2016 22:04
 Operator : UM/SJ
 Sample : H3156-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

Quant Time: May 20 02:35:07 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	138096	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	566703	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	271116	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	444741	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	308668	20.00	ng	-0.06
86) Perylene-d12	15.05	264	288384	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	941303	114.57	ng	-0.05
7) Phenol-d6	6.24	99	1420024	128.87	ng	-0.05
23) Nitrobenzene-d5	7.14	82	866748	76.23	ng	-0.05
41) 2,4,6-Tribromophenol	10.39	330	309271	103.23	ng	-0.06
44) 2-Fluorobiphenyl	8.94	172	1312207	80.16	ng	-0.05
78) Terphenyl-d14	12.66	244	954581	69.96	ng	-0.05

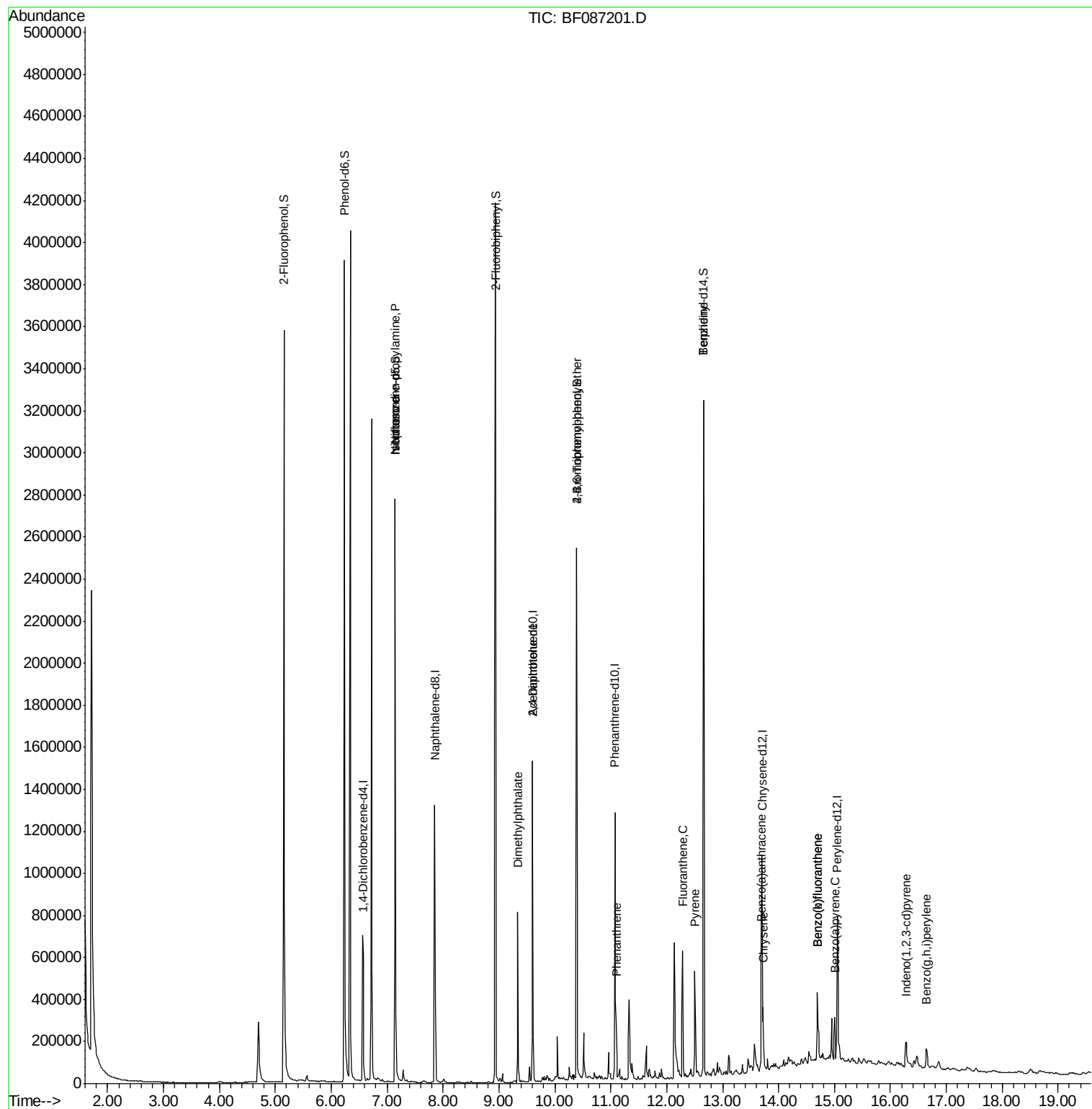
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.14	70	124705	14.89	ng	# 75
25) Isophorone	7.14	82	706501	33.94	ng	# 68
49) Dimethylphthalate	9.34	163	283668	13.72	ng	99
55) 4-Nitrophenol	9.82	139	632	Below Cal		# 14
56) 2,4-Dinitrotoluene	9.60	165	34689	6.03	ng	# 16
66) 4-Bromophenyl-phenylether	10.39	248	17556	3.84	ng	# 1
70) Phenanthrene	11.10	178	102076	4.23	ng	98
74) Fluoranthene	12.28	202	273266	11.31	ng	91
76) Benzidine	12.66	184	16134	2.35	ng	# 95
77) Pyrene	12.50	202	229118	10.27	ng	97
80) Benzo(a)anthracene	13.69	228	90374	5.06	ng	99
82) Chrysene	13.73	228	95284	5.52	ng	99
85) Indeno(1,2,3-cd)pyrene	16.29	276	78920	5.21	ng	# 89
87) Benzo(b)fluoranthene	14.70	252	210821	11.02	ng	# 97
88) Benzo(k)fluoranthene	14.70	252	210821	14.80	ng	99
89) Benzo(a)pyrene	15.01	252	96226	6.02	ng	97
91) Benzo(g,h,i)perylene	16.64	276	74052	5.45	ng	94

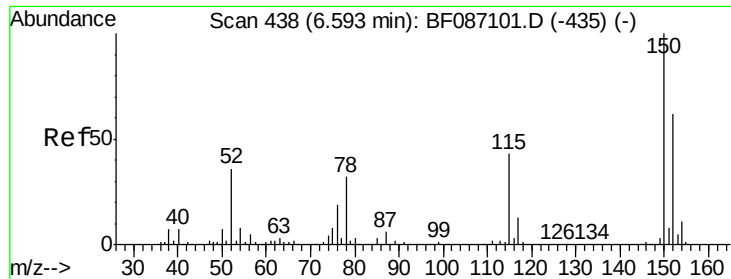
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

ClientSampleId :

SP-001-160517

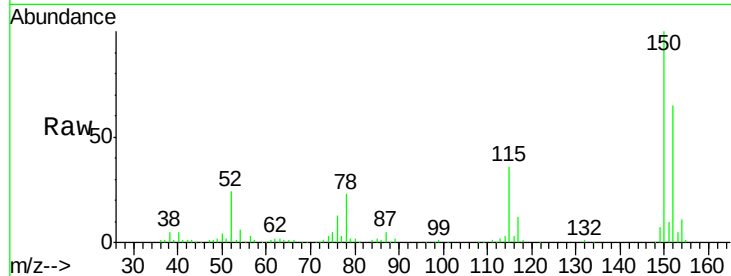
Tgt Ion:152 Resp: 138096

Ion Ratio Lower Upper

152 100

150 153.0 125.8 188.6

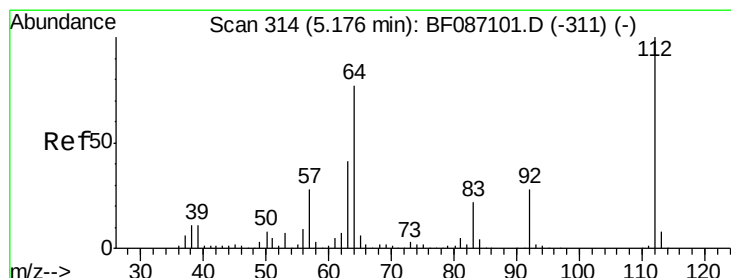
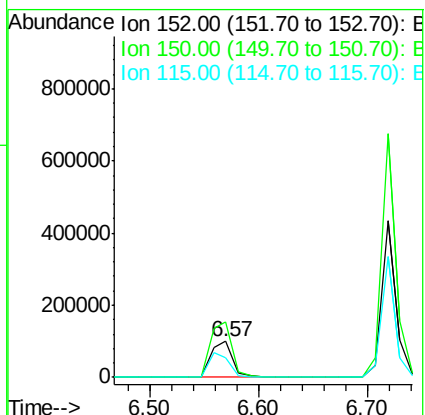
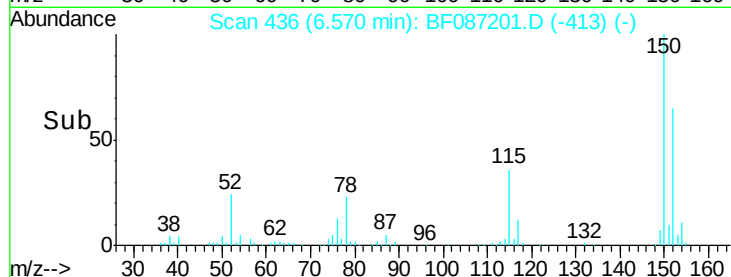
115 55.7 51.5 77.3



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: 114.57 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

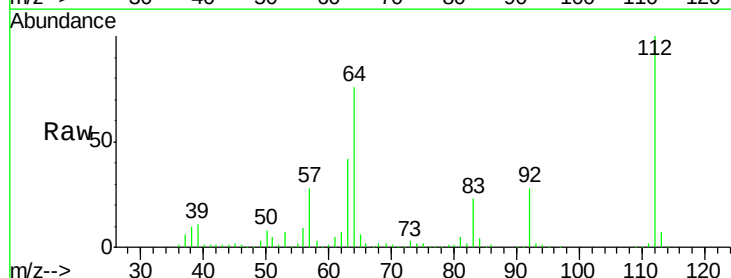
Tgt Ion:112 Resp: 941303

Ion Ratio Lower Upper

112 100

64 76.1 52.1 78.1

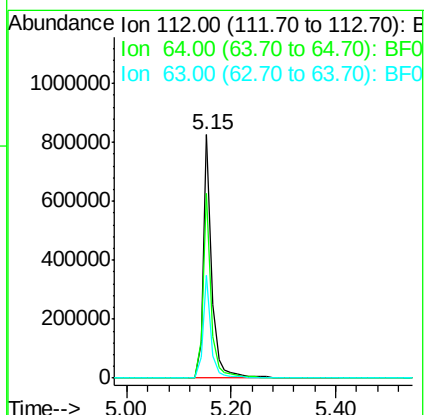
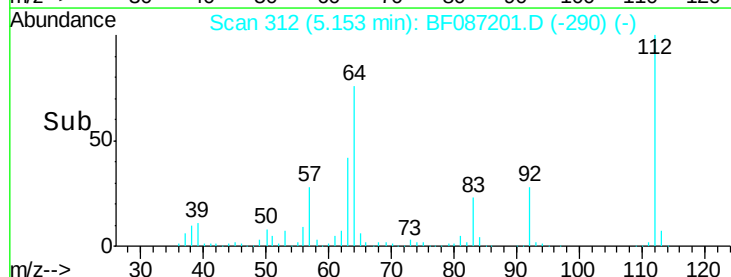
63 42.1 25.7 38.5

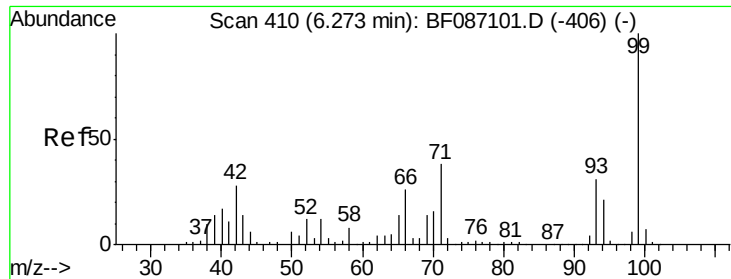


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.87 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

ClientSampleId :

SP-001-160517

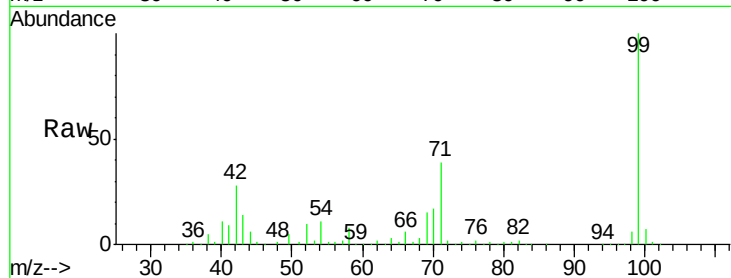
Tgt Ion: 99 Resp: 1420024

Ion Ratio Lower Upper

99 100

42 27.9 13.6 20.4#

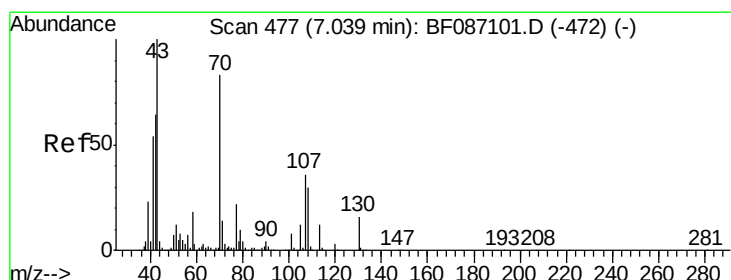
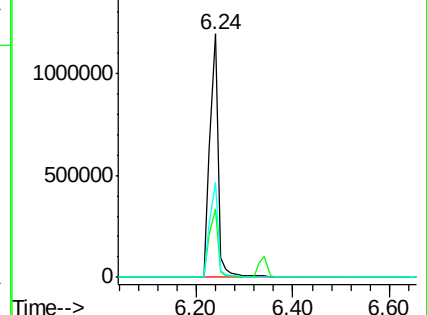
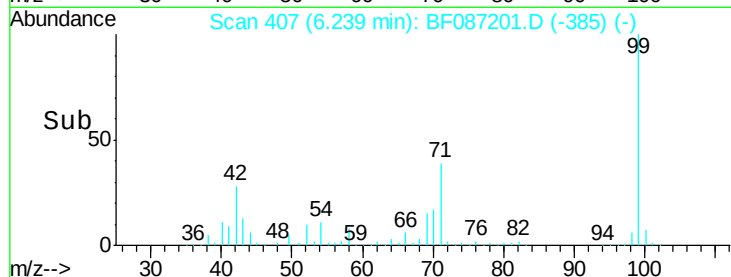
71 39.2 24.6 36.8#



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: 14.89 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.09 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Tgt Ion: 70 Resp: 124705

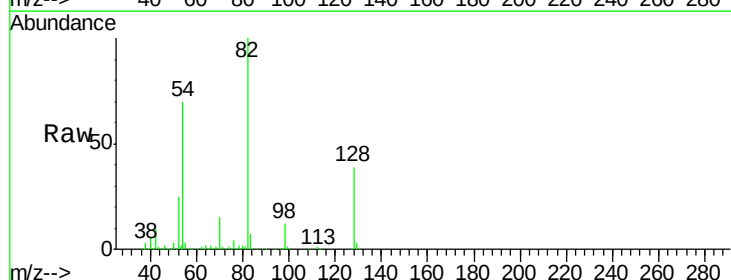
Ion Ratio Lower Upper

70 100

42 65.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

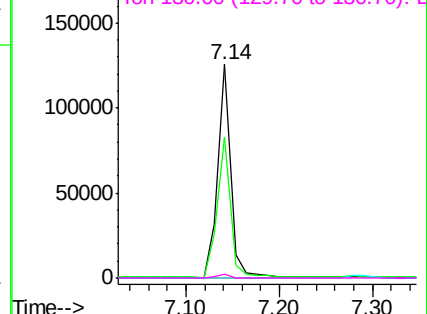
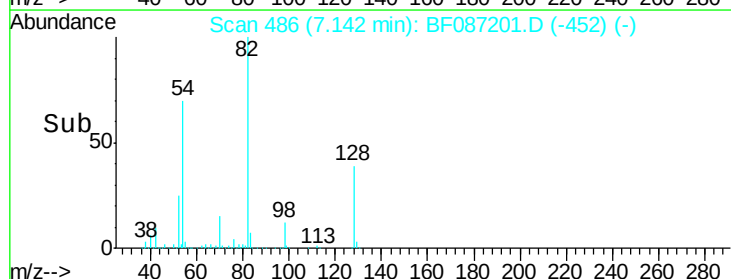


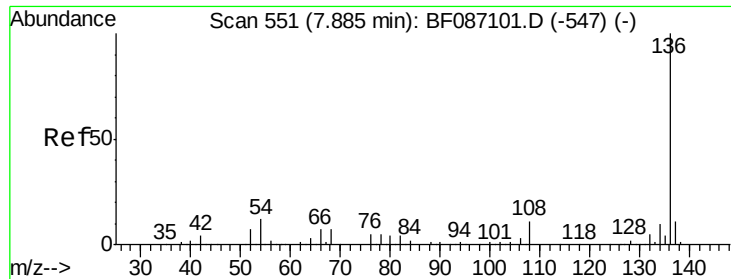
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

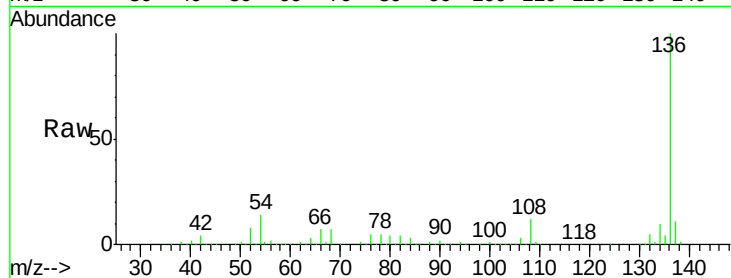




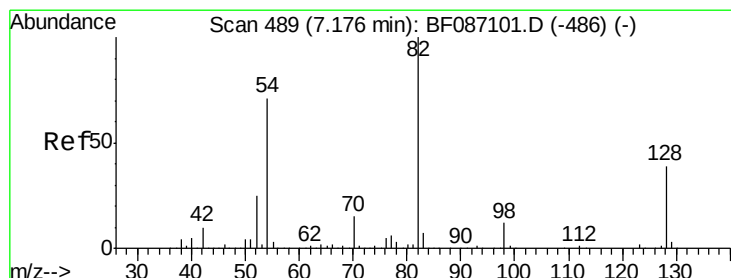
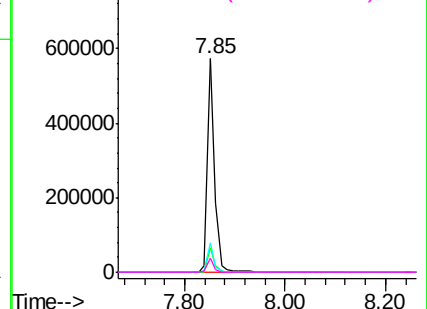
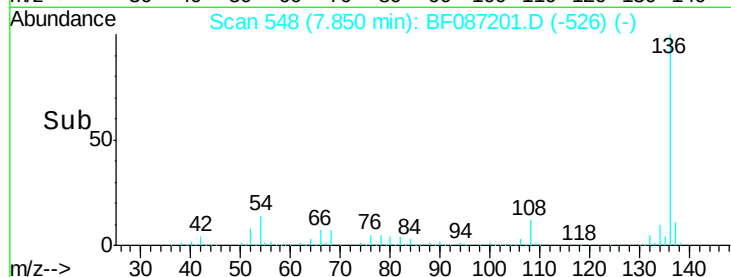
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion:	136	Resp:	566703
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	13.7	5.0	7.4#
68	6.9	4.4	6.6#

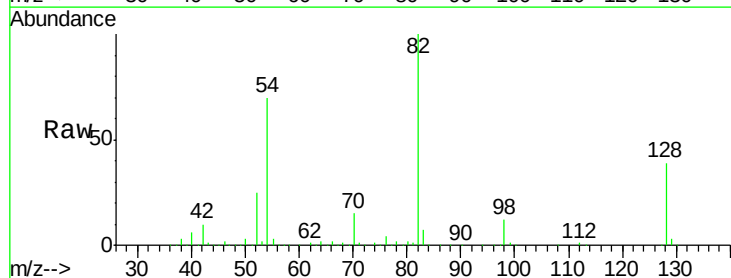


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

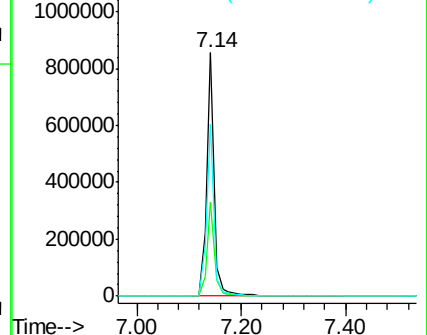
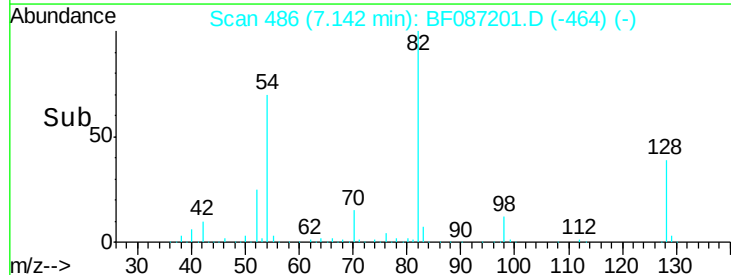


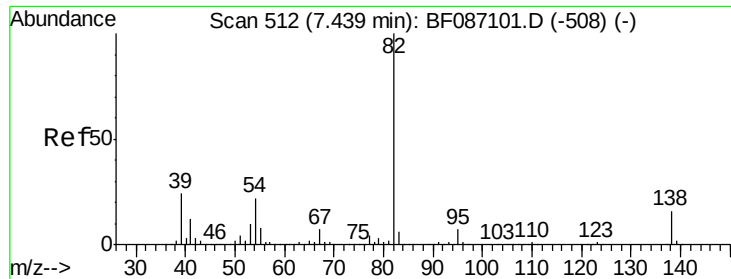
#23
Nitrobenzene-d5
Concen: 76.23 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:	82	Resp:	866748
Ion	Ratio	Lower	Upper
82	100		
128	38.7	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: 33.94 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.31 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

ClientSampleId :

SP-001-160517

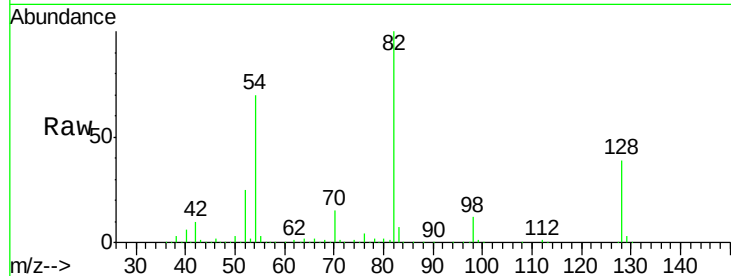
Tgt Ion: 82 Resp: 706501

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

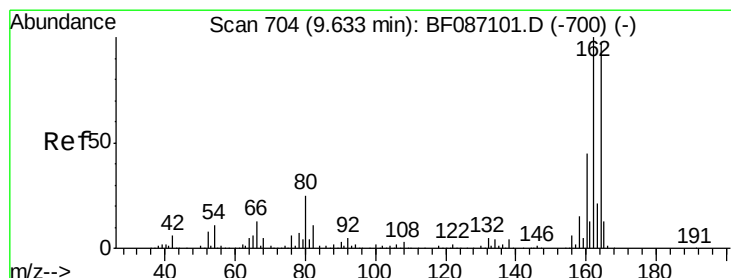
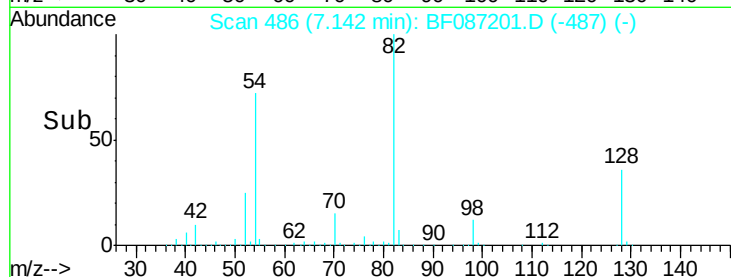
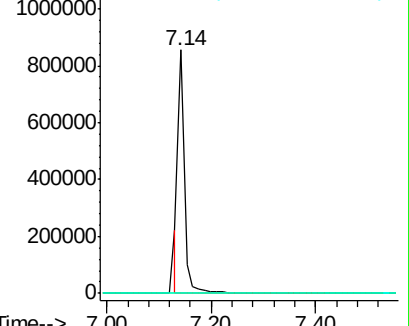
138 0.0 12.4 18.6#



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: BF087201.D

Acq: 19 May 2016 22:04

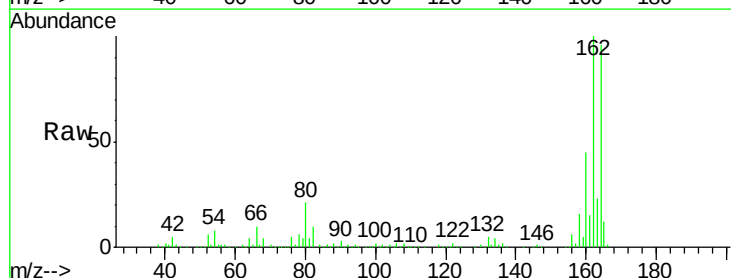
Tgt Ion: 164 Resp: 271116

Ion Ratio Lower Upper

164 100

162 104.2 82.8 124.2

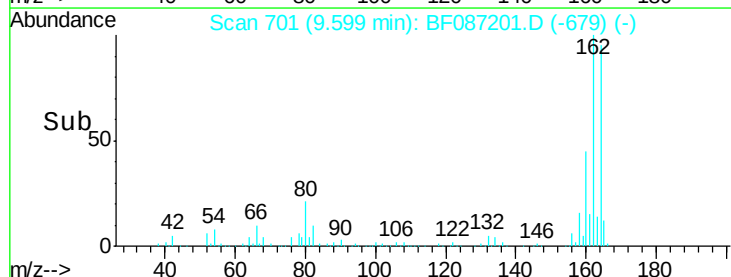
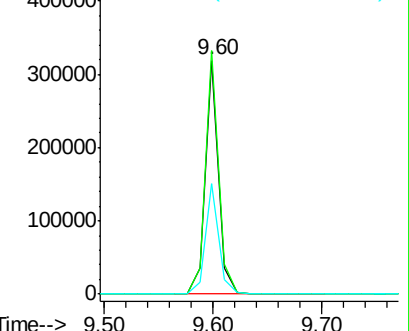
160 47.2 36.9 55.3

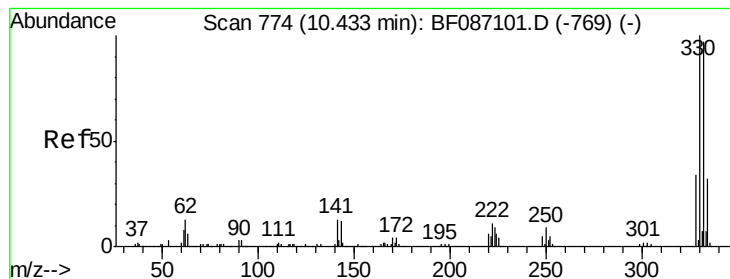


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

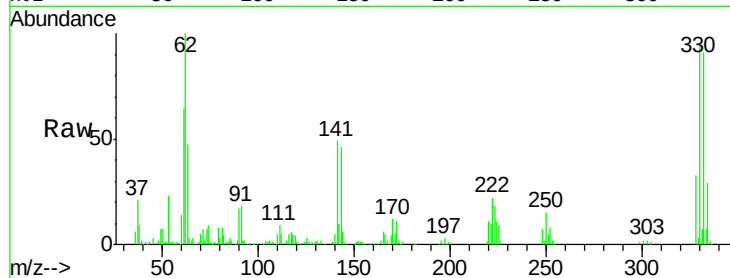




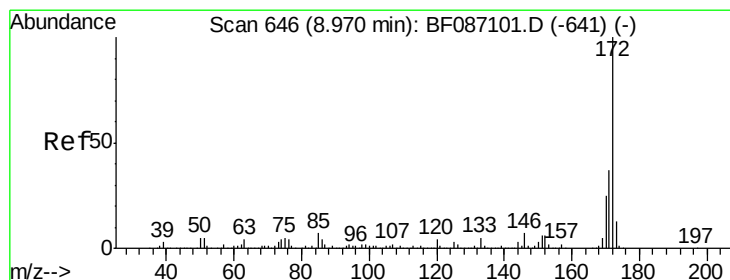
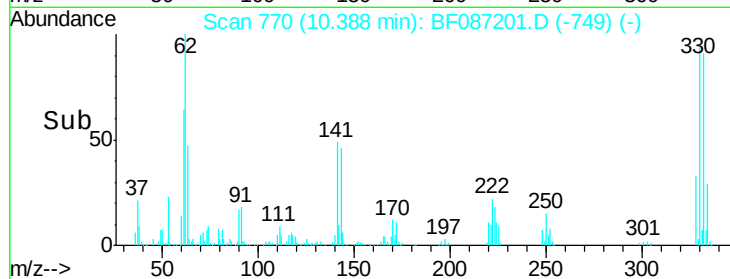
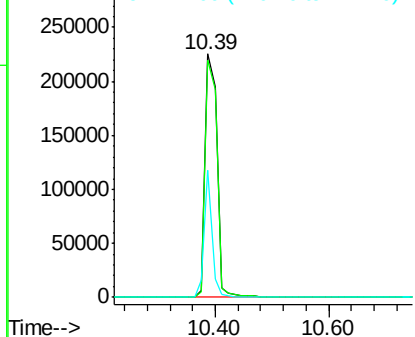
#41
 2,4,6-Tribromophenol
 Concen: 103.23 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.06 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

Tgt Ion:330 Resp: 309271
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.0 118.4
 141 35.0 31.2 46.8

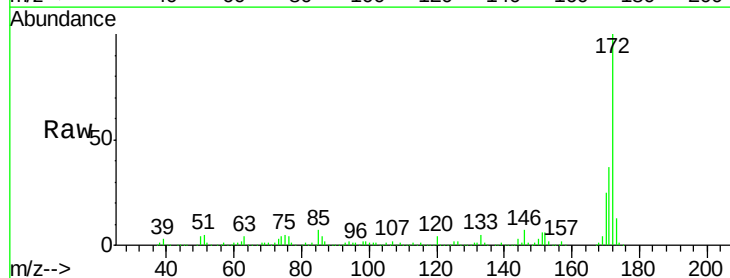


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

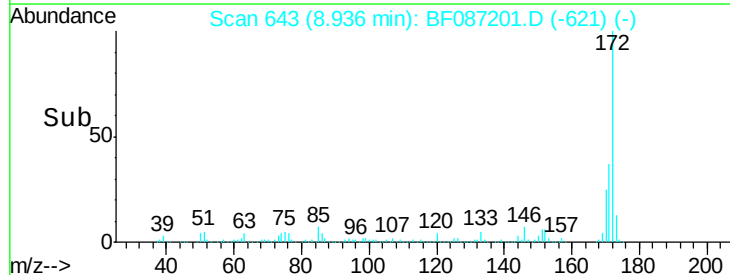
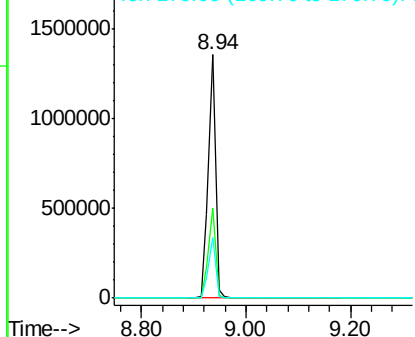


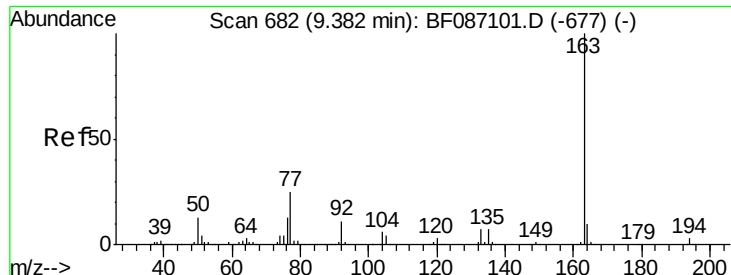
#44
 2-Fluorobiphenyl
 Concen: 80.16 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Tgt Ion:172 Resp: 1312207
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.0 43.6
 170 24.6 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

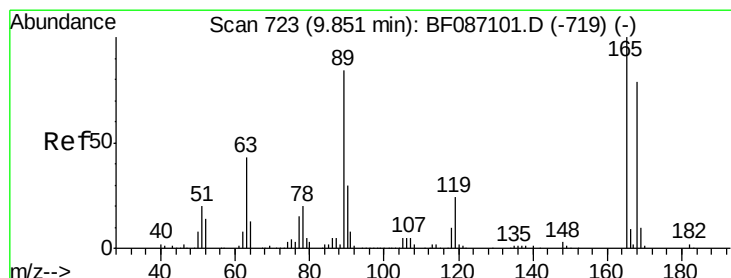
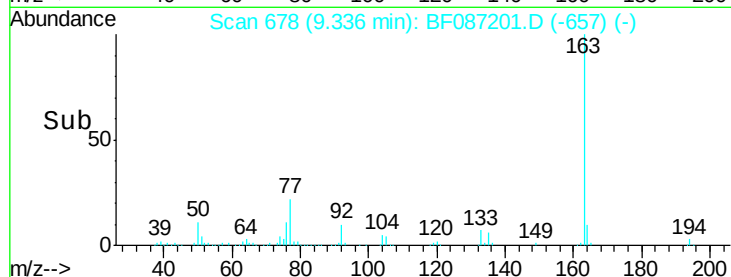
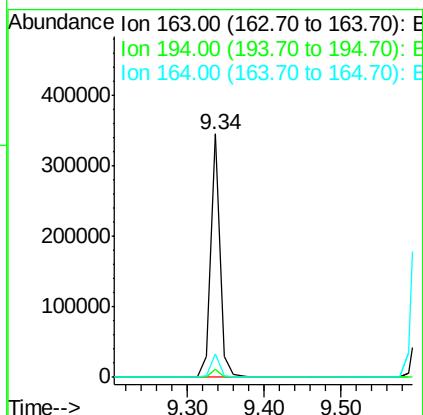
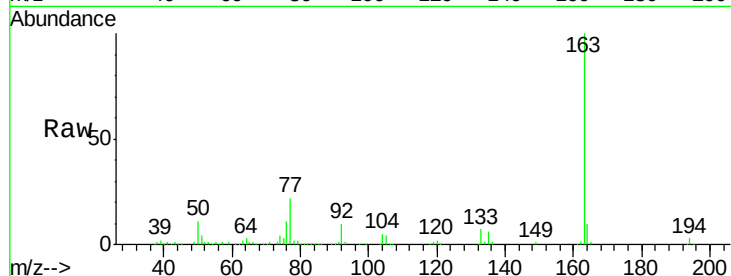




#49
Dimethylphthalate
Concen: 13.72 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.06 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

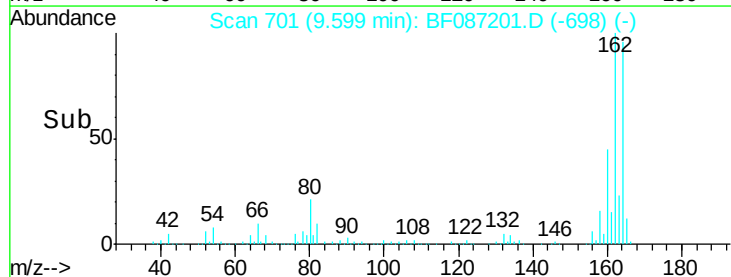
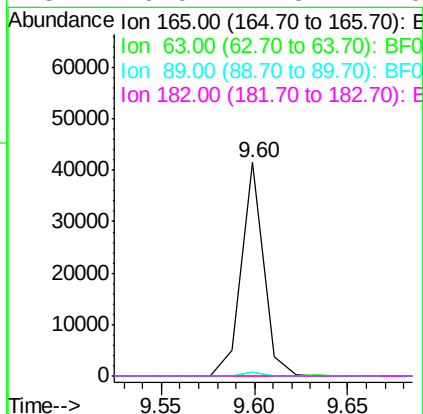
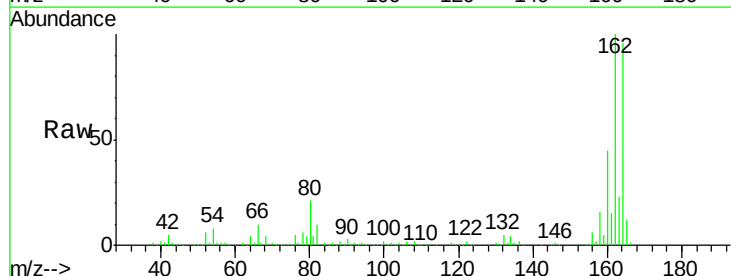
Instrument :
BNA_F
ClientSampleId :
SP-001-160517

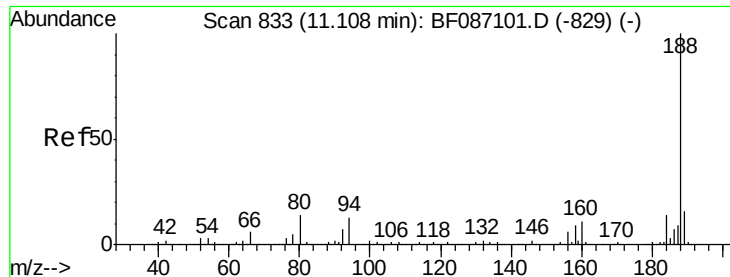
Tgt Ion:163 Resp: 283668
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.9 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.26 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion:165 Resp: 34689
Ion Ratio Lower Upper
165 100
63 1.8 44.3 66.5#
89 2.0 70.0 105.0#
182 0.0 1.8 2.6#

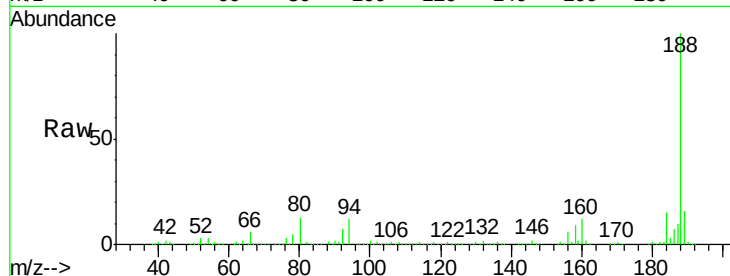




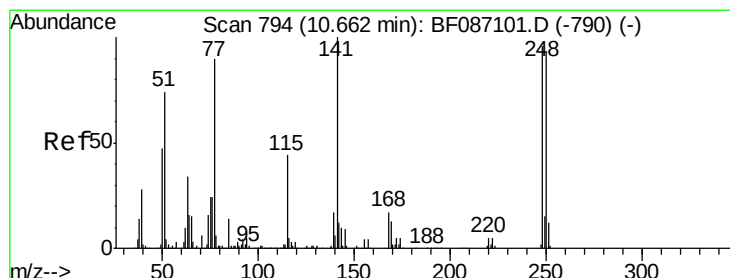
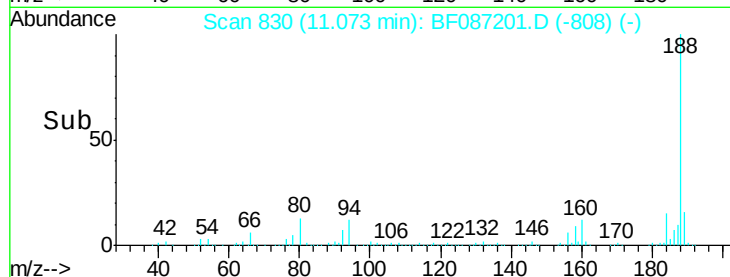
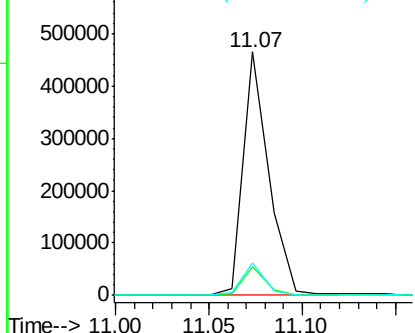
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.05 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

Tgt Ion:188 Resp: 444741
 Ion Ratio Lower Upper
 188 100
 94 11.9 6.8 10.2#
 80 13.4 7.1 10.7#

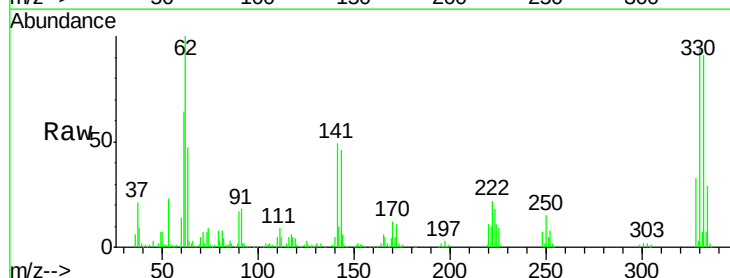


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

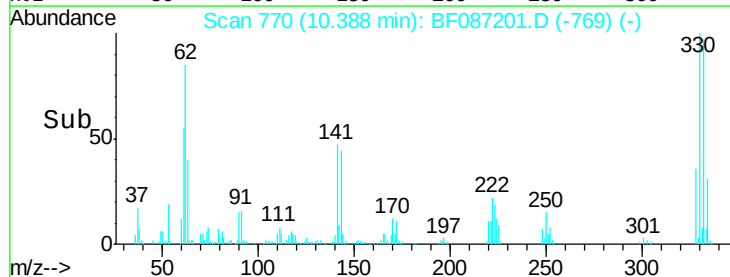
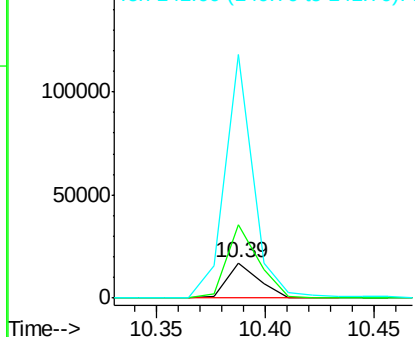


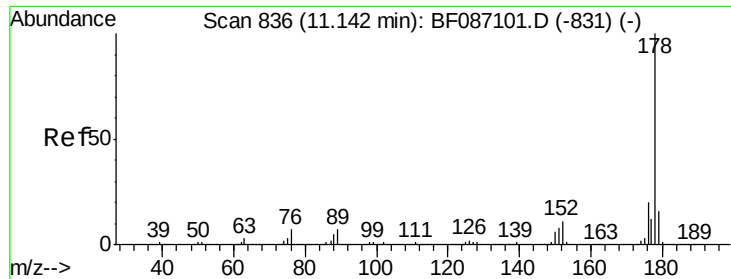
#66
 4-Bromophenyl-phenylether
 Concen: 3.84 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.29 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Tgt Ion:248 Resp: 17556
 Ion Ratio Lower Upper
 248 100
 250 206.2 78.6 117.8#
 141 688.1 76.0 114.0#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.23 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.06 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

ClientSampleId :

SP-001-160517

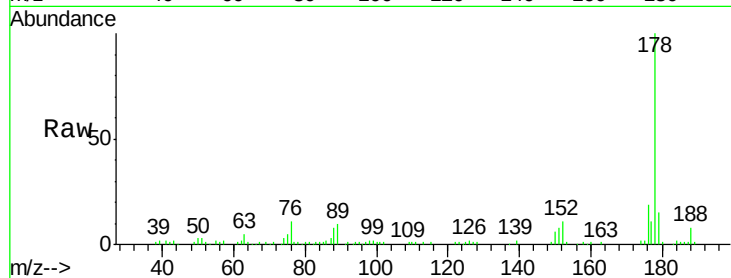
Tgt Ion:178 Resp: 102076

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

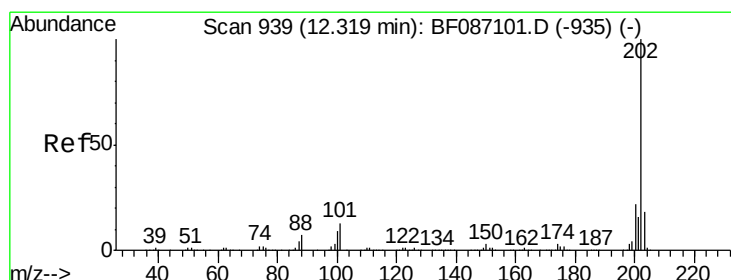
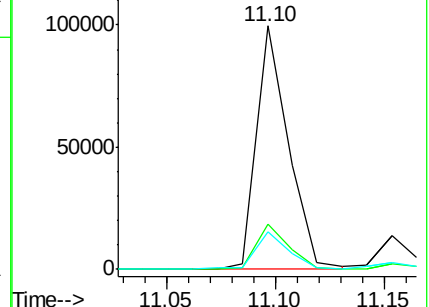
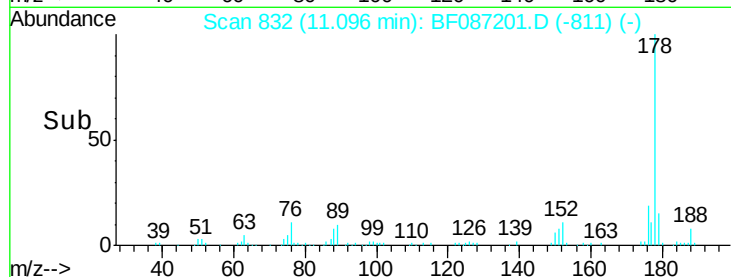
179 15.2 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 11.31 ng

RT: 12.28 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

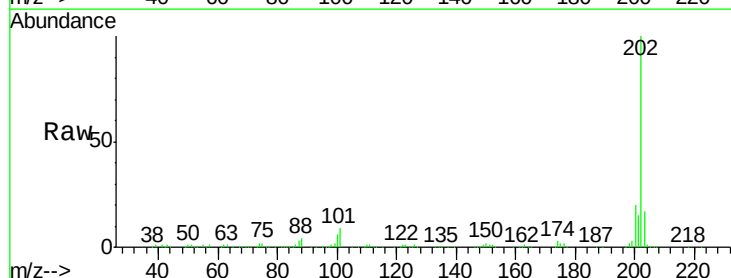
Tgt Ion:202 Resp: 273266

Ion Ratio Lower Upper

202 100

101 8.8 0.0 35.4

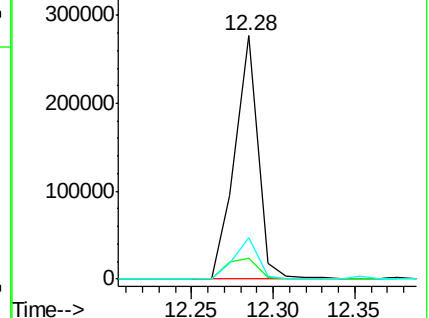
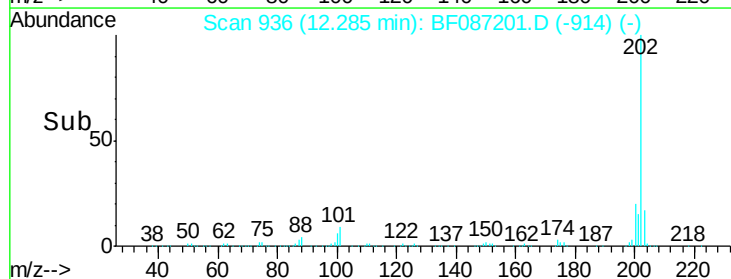
203 17.0 0.0 38.1

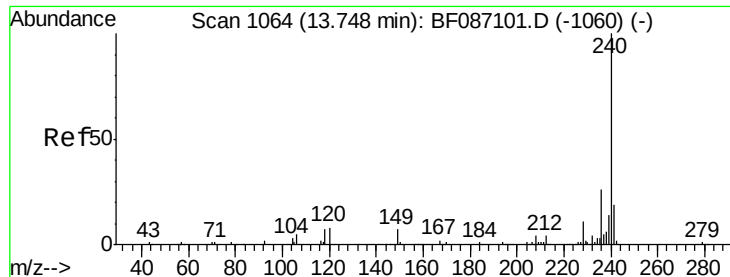


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

ClientSampleId :

SP-001-160517

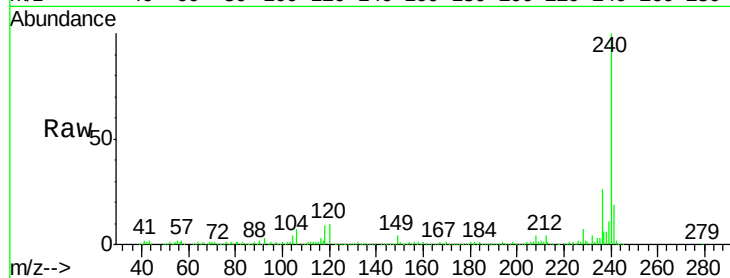
Tgt Ion:240 Resp: 308668

Ion Ratio Lower Upper

240 100

120 10.3 11.2 16.8#

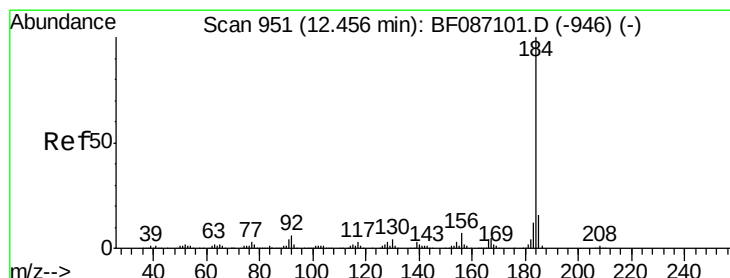
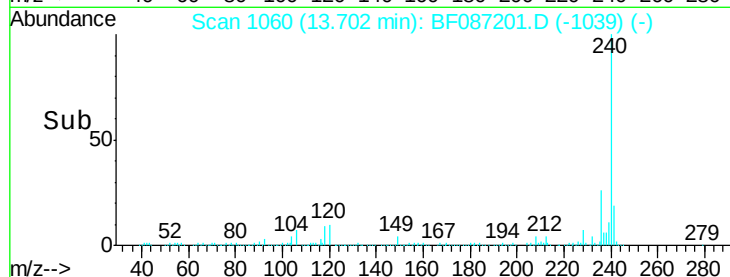
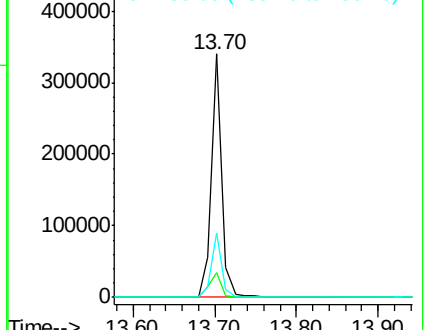
236 26.5 21.2 31.8



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: 2.35 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.20 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

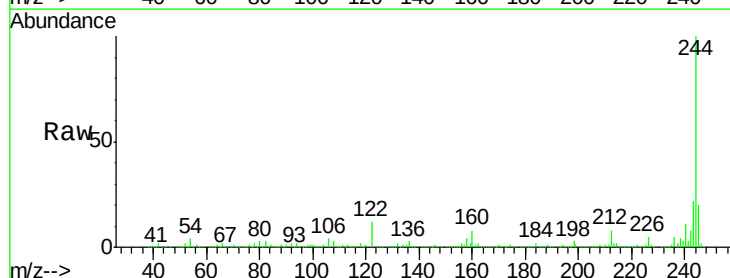
Tgt Ion:184 Resp: 16134

Ion Ratio Lower Upper

184 100

185 17.2 13.6 20.4

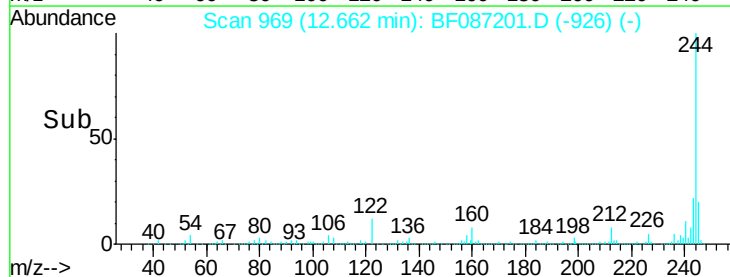
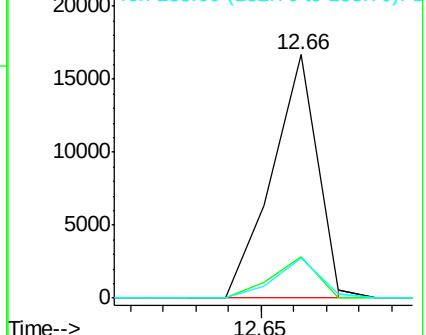
183 16.6 9.8 14.6#

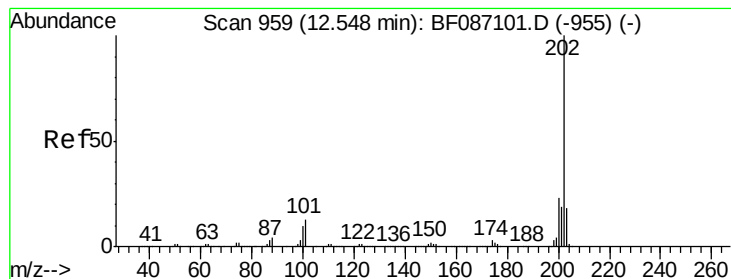


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 10.27 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.06 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

ClientSampleId :

SP-001-160517

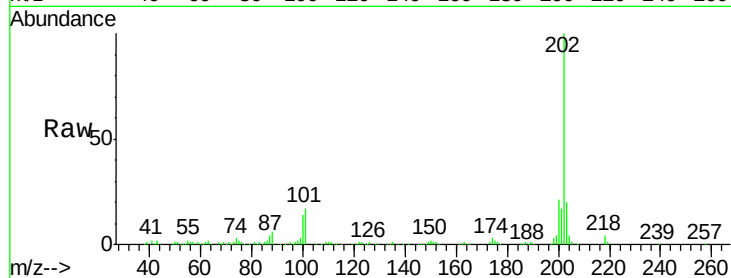
Tgt Ion:202 Resp: 229118

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

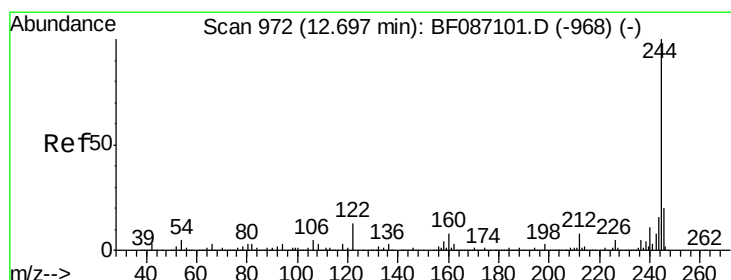
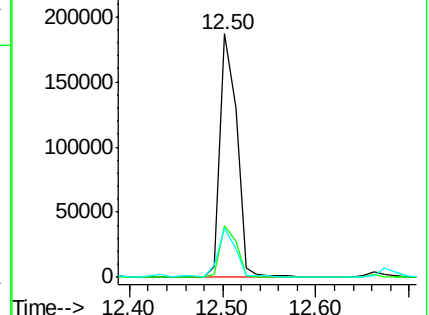
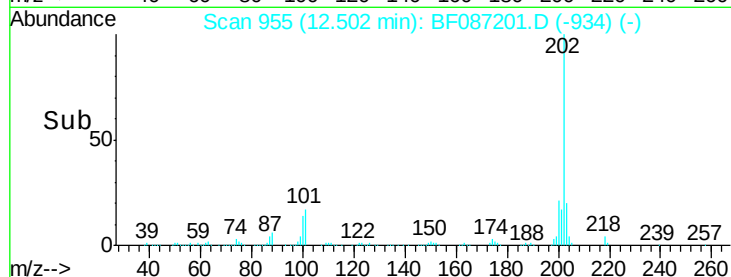
203 19.9 14.2 21.4



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: 69.96 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

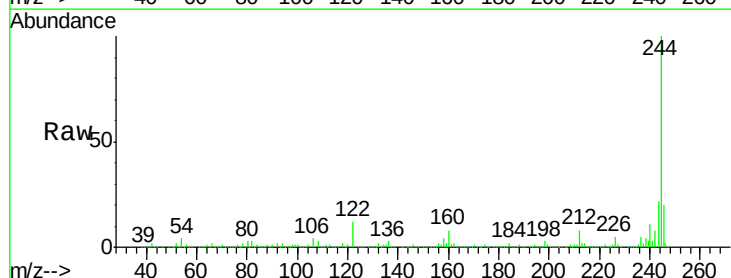
Tgt Ion:244 Resp: 954581

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

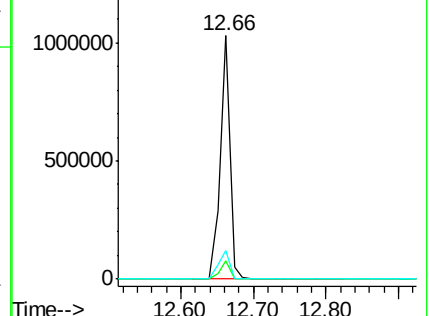
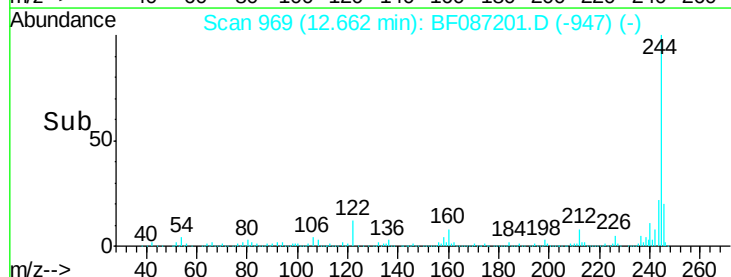
122 11.6 12.0 18.0#

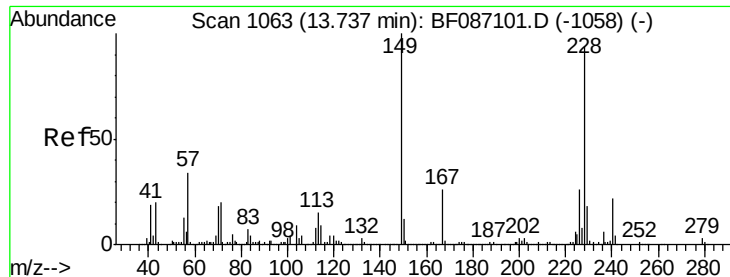


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

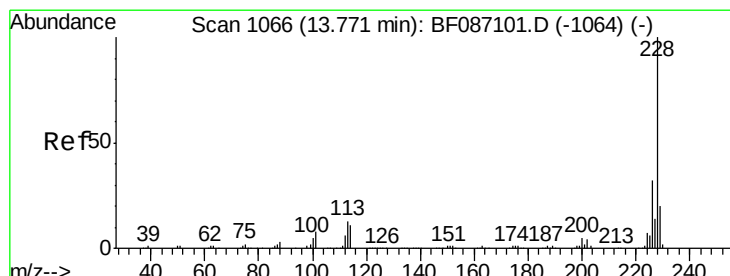
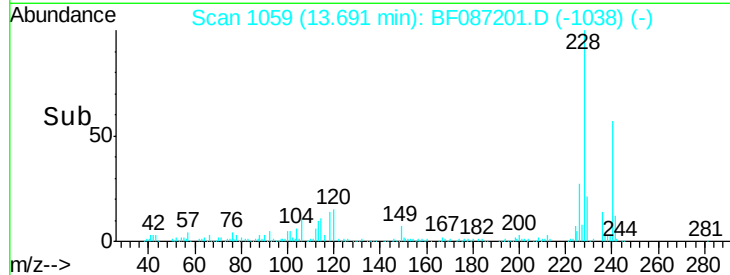
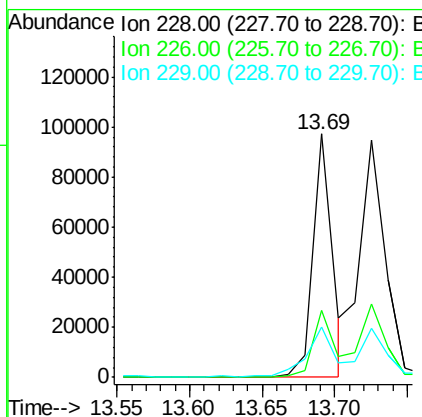
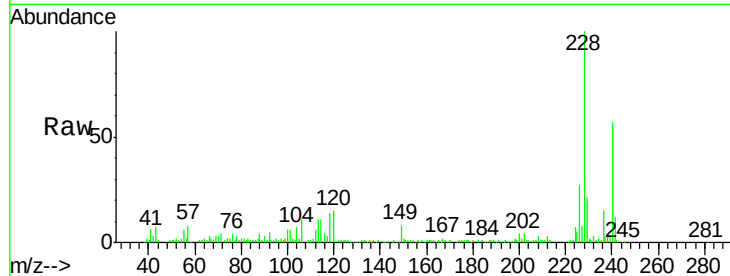




#80
 Benzo(a)anthracene
 Concen: 5.06 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. -0.06 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

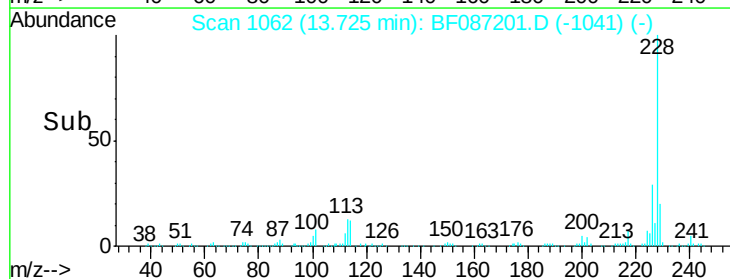
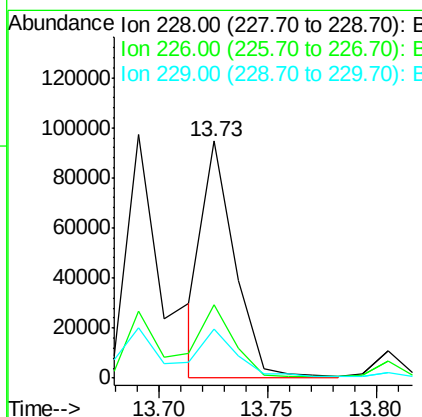
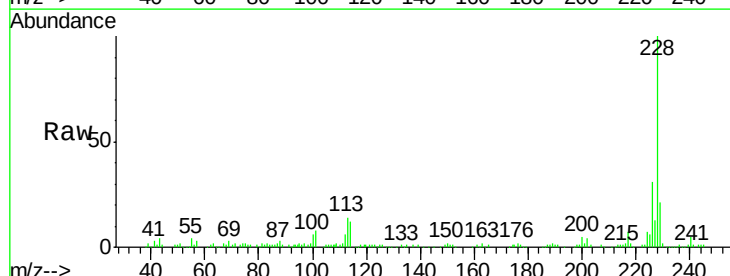
Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

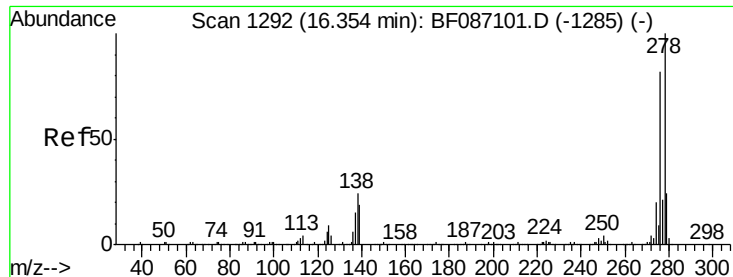
Tgt Ion:228 Resp: 90374
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.5 33.7
 229 20.9 16.6 25.0



#82
 Chrysene
 Concen: 5.52 ng
 RT: 13.73 min Scan# 1062
 Delta R.T. -0.06 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Tgt Ion:228 Resp: 95284
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.4 36.6
 229 20.6 15.8 23.8

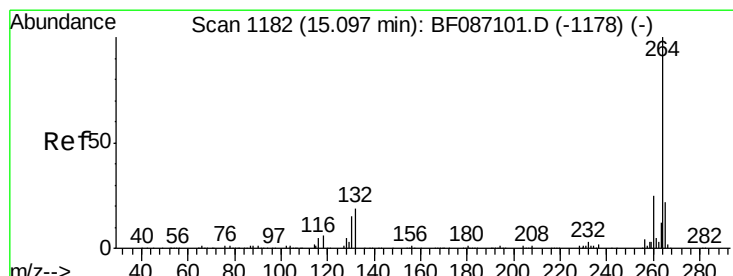
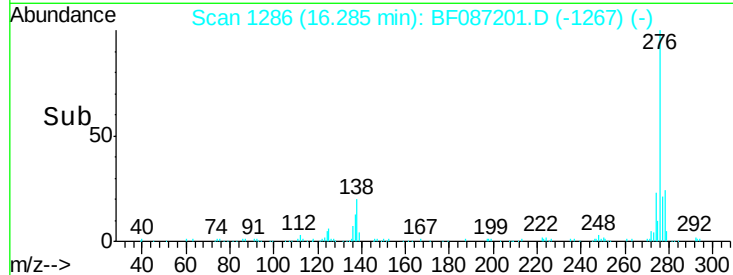
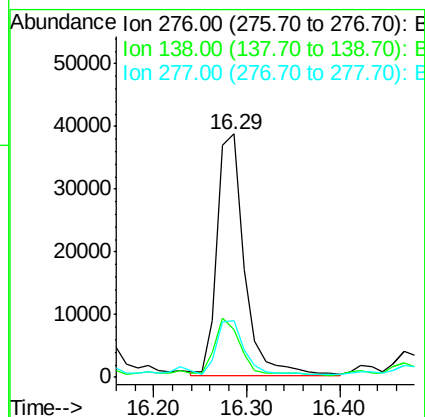
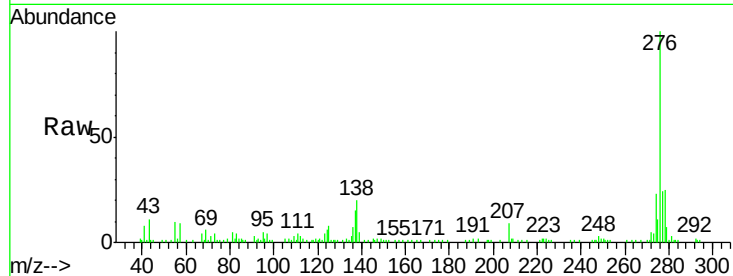




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.21 ng
 RT: 16.29 min Scan# 1286
 Delta R.T. -0.08 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

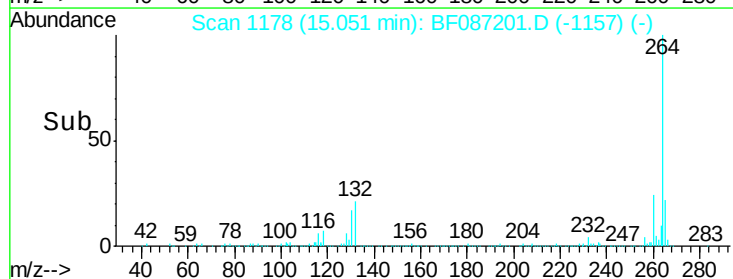
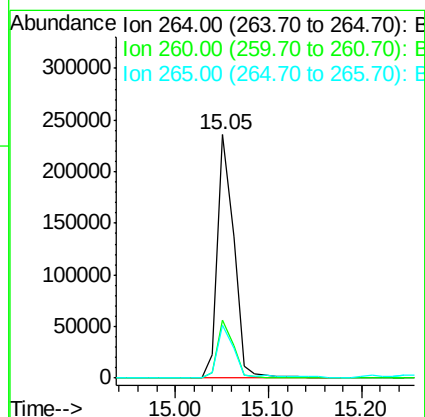
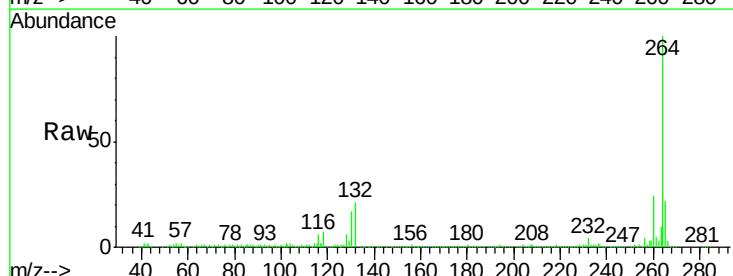
Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

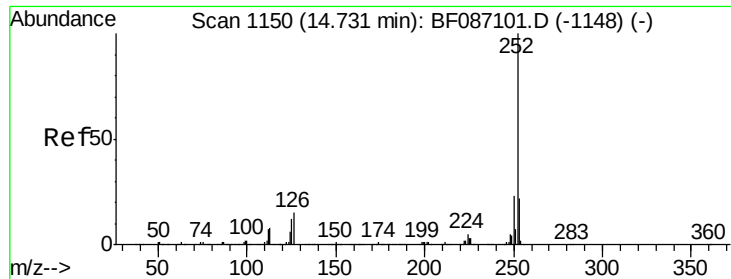
Tgt Ion: 276 Resp: 78920
 Ion Ratio Lower Upper
 276 100
 138 24.4 25.6 38.4#
 277 22.0 20.5 30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.06 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Tgt Ion: 264 Resp: 288384
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 21.8 17.3 25.9

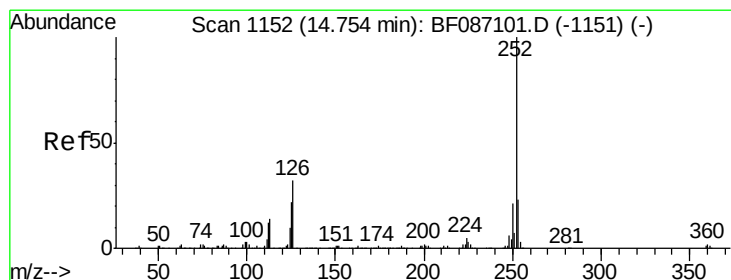
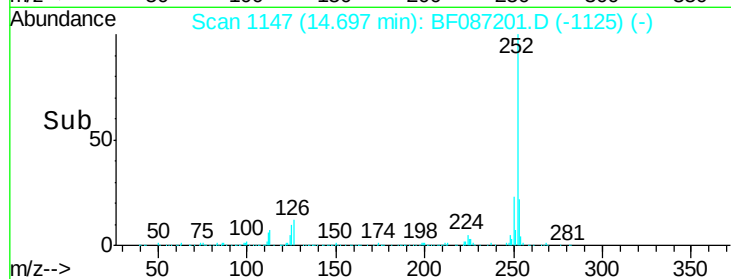
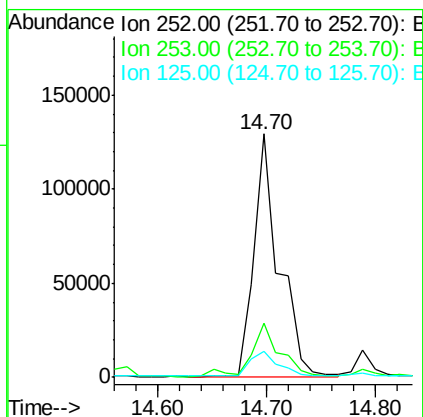
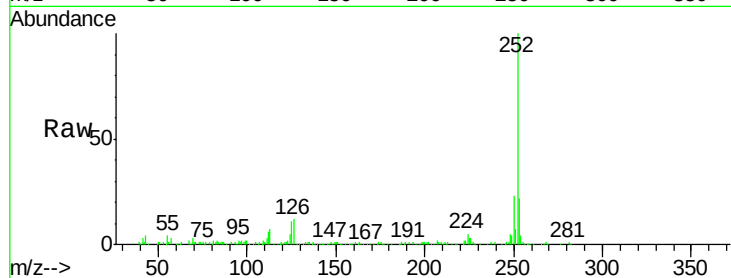




#87
Benzo(b)fluoranthene
Concen: 11.02 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

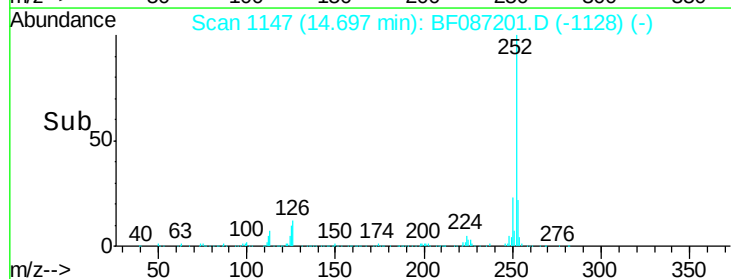
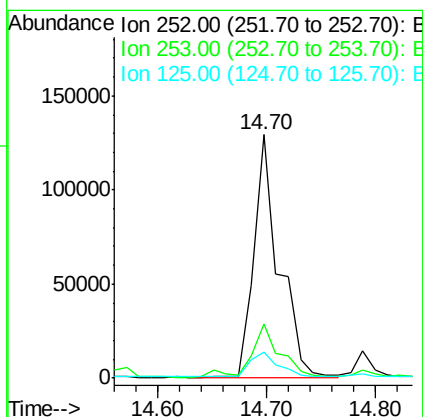
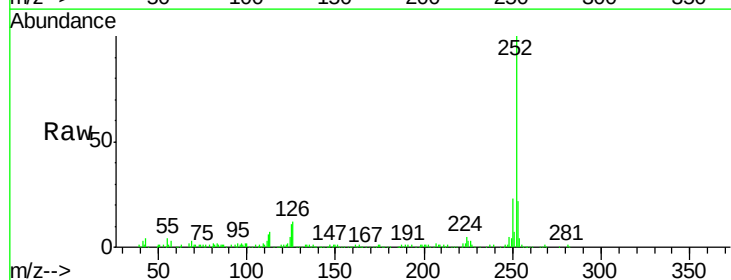
Instrument :
BNA_F
ClientSampleId :
SP-001-160517

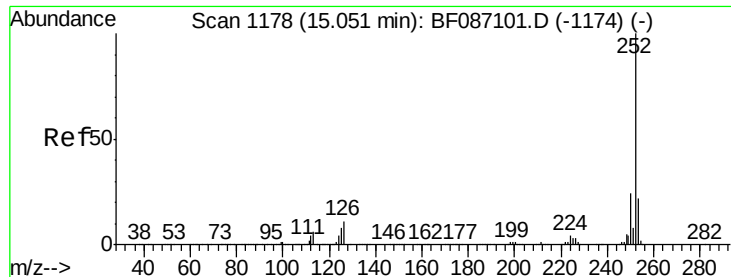
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	10.9	11.4	17.0



#88
Benzo(k)fluoranthene
Concen: 14.80 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.08 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	10.9	9.1	13.7





#89

Benzo(a)pyrene

Concen: 6.02 ng

RT: 15.01 min Scan# 1174

Delta R.T. -0.06 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

ClientSampleId :

SP-001-160517

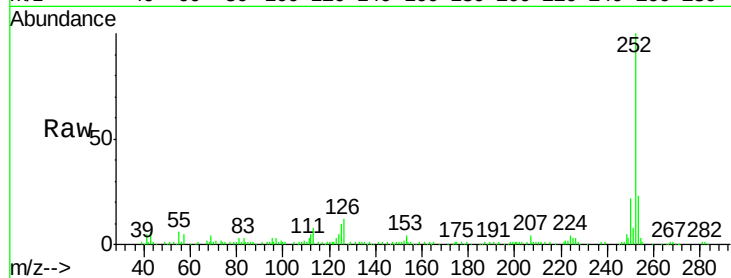
Tgt Ion:252 Resp: 96226

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

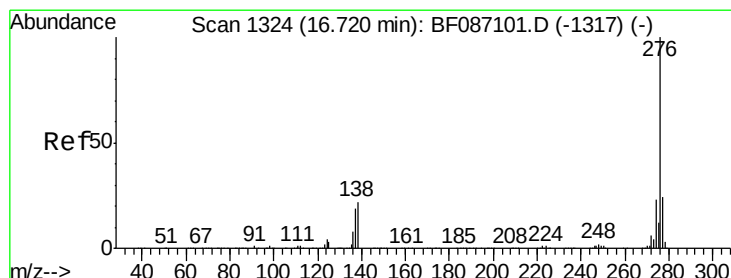
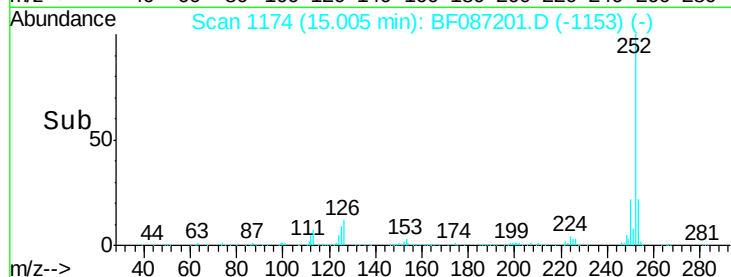
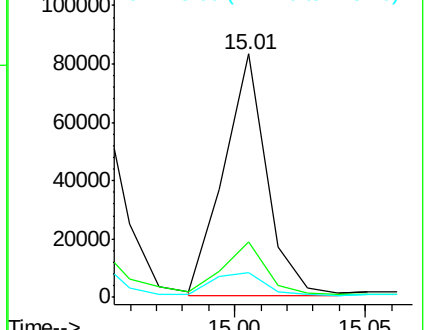
125 10.0 9.0 13.6



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: 5.45 ng

RT: 16.64 min Scan# 1317

Delta R.T. -0.10 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

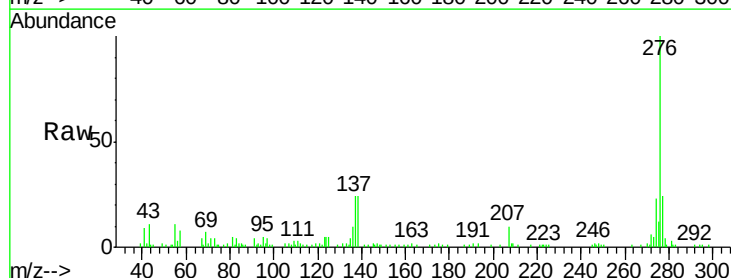
Tgt Ion:276 Resp: 74052

Ion Ratio Lower Upper

276 100

277 23.9 19.6 29.4

138 24.2 23.6 35.4



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

