

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
 Data File : BF088461.D
 Acq On : 27 Jun 2016 19:56
 Operator : UM/SJ
 Sample : H3701-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2A

Quant Time: Jun 28 04:52:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 19:14:18 2016
 Response via : Initial Calibration

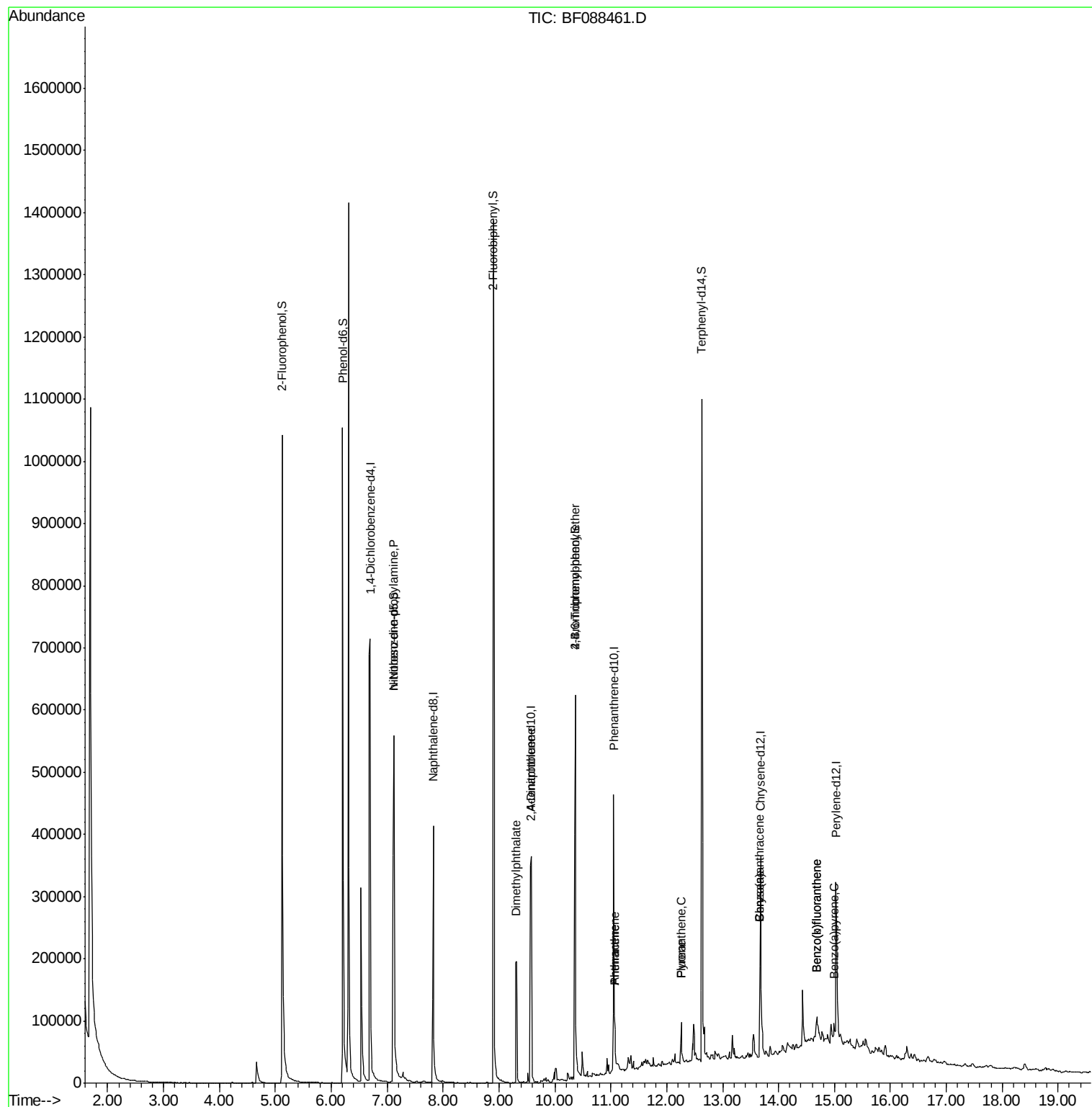
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	194537	20.00	ng	0.15
21) Naphthalene-d8	7.83	136	264933	20.00	ng	-0.01
38) Acenaphthene-d10	9.58	164	117029	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	202146	20.00	ng	-0.01
75) Chrysene-d12	13.68	240	129446	20.00	ng	-0.01
86) Perylene-d12	15.03	264	141487	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	433219	38.07	ng	-0.01
7) Phenol-d6	6.20	99	500200	36.27	ng	-0.03
23) Nitrobenzene-d5	7.12	82	320820	70.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	110107	89.11	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	554927	73.76	ng	-0.02
78) Terphenyl-d14	12.63	244	376231	66.14	ng	-0.01
Target Compounds						
10) Phenol	6.31	94	844	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	39769	4.51 ng	#	66
45) 1,1'-Biphenyl	8.90	154	897	Below Cal	#	1
49) Dimethylphthalate	9.31	163	144921	17.10 ng		98
56) 2,4-Dinitrotoluene	9.56	165	14726	5.90 ng	#	36
57) Fluorene	10.12	166	861	Below Cal	#	75
66) 4-Bromophenyl-phenylether	10.36	248	6848	3.16 ng	#	1
70) Phenanthrene	11.07	178	22777	2.15 ng		97
71) Anthracene	11.07	178	22777	2.13 ng		98
74) Fluoranthene	12.26	202	37031	3.31 ng		96
77) Pyrene	12.26	202	37031	3.86 ng		97
80) Benzo(a)anthracene	13.67	228	17413	2.36 ng		95
82) Chrysene	13.67	228	17413	2.51 ng		94
87) Benzo(b)fluoranthene	14.69	252	28908	2.93 ng	#	86
88) Benzo(k)fluoranthene	14.69	252	28908	3.89 ng	#	91
89) Benzo(a)pyrene	14.99	252	16298	2.04 ng		94

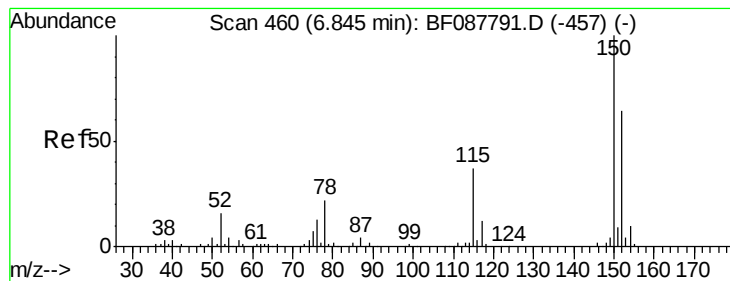
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

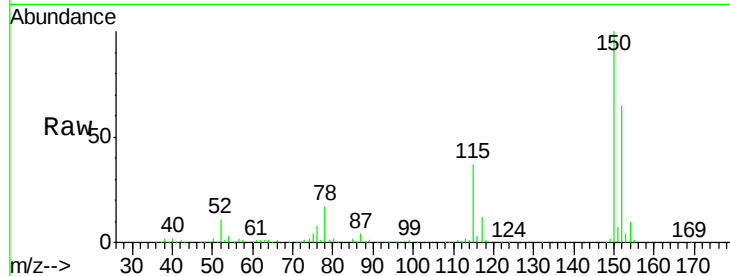
Tgt Ion:152 Resp: 194537

Ion Ratio Lower Upper

152 100

150 154.2 123.8 185.6

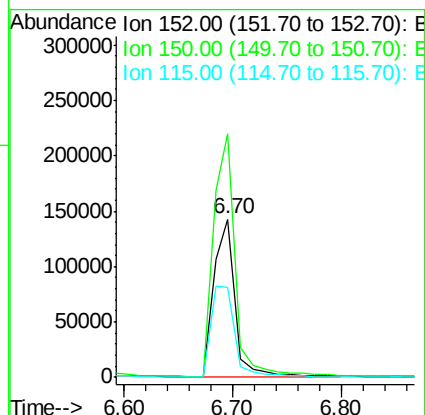
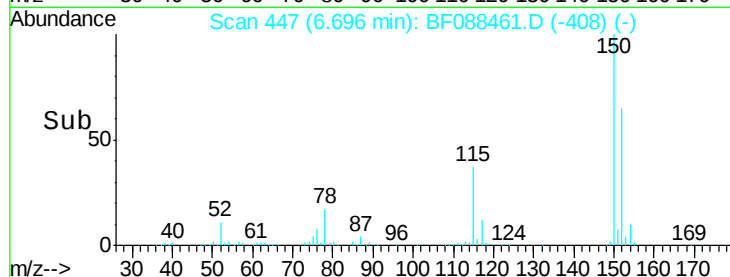
115 57.1 39.6 59.4



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: 38.07 ng

RT: 5.12 min Scan# 309

Delta R.T. -0.01 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

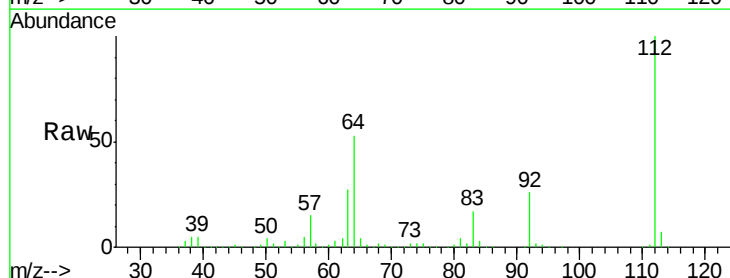
Tgt Ion:112 Resp: 433219

Ion Ratio Lower Upper

112 100

64 52.8 42.2 63.2

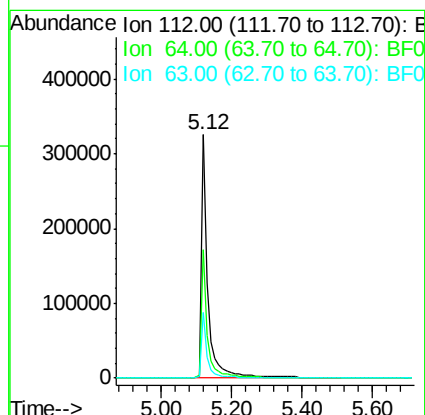
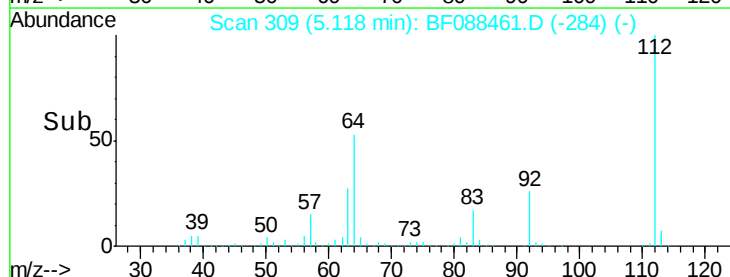
63 26.9 21.8 32.8



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: 36.27 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

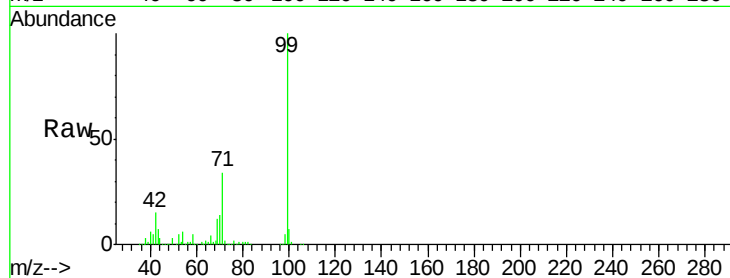
Tgt Ion: 99 Resp: 500200

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

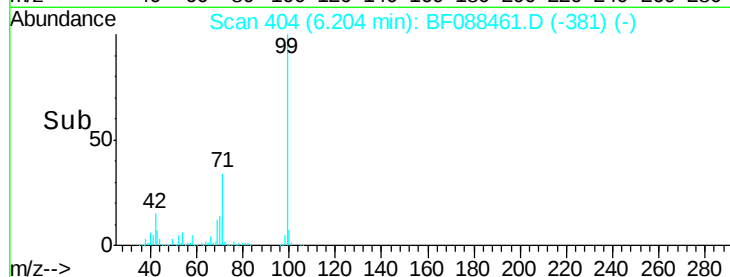
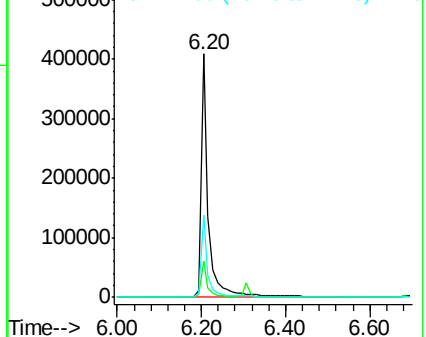
71 34.0 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.31 min Scan# 413

Delta R.T. 0.06 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

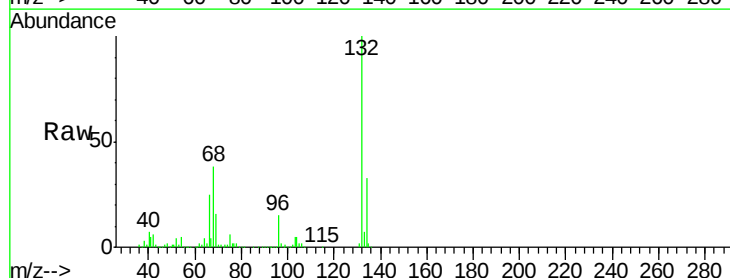
Tgt Ion: 94 Resp: 844

Ion Ratio Lower Upper

94 100

65 917.0 5.9 45.9#

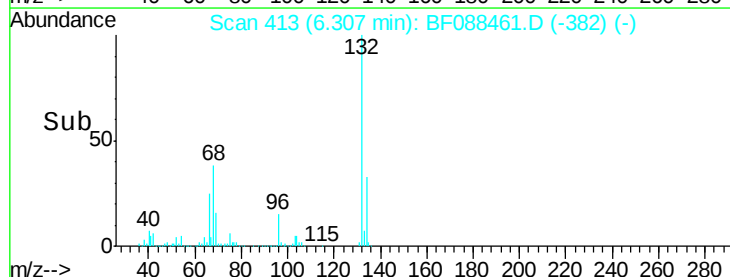
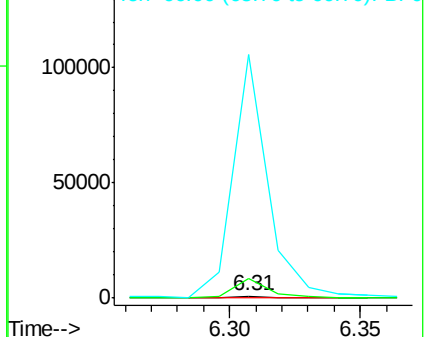
66 11571.1 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

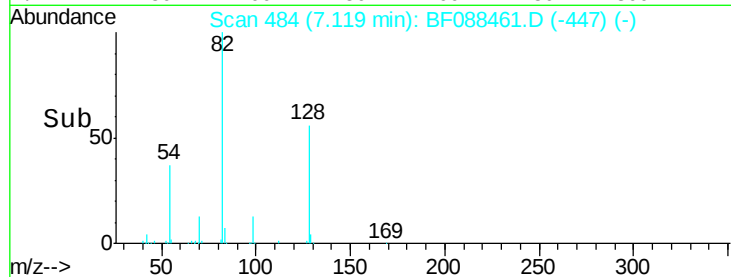
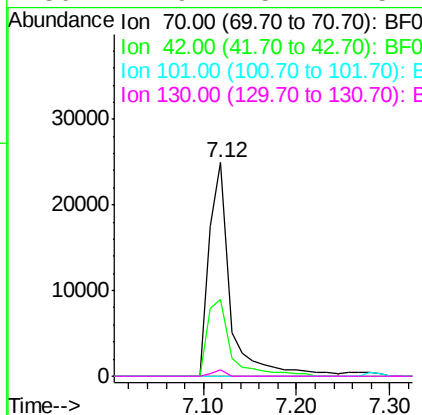
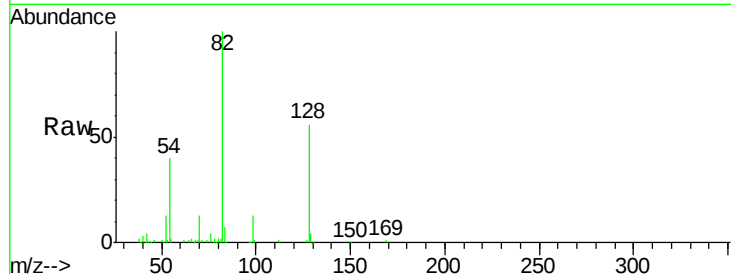




#19
n-Nitroso-di-n-propylamine
Concen: 4.51 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.13 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

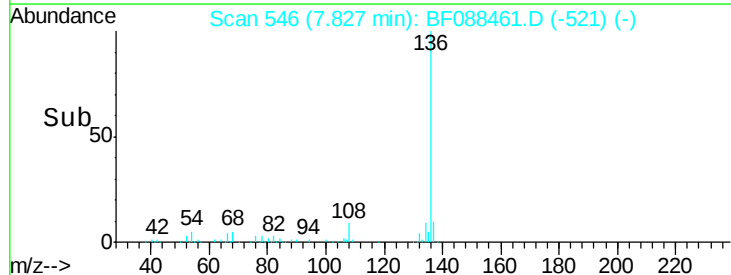
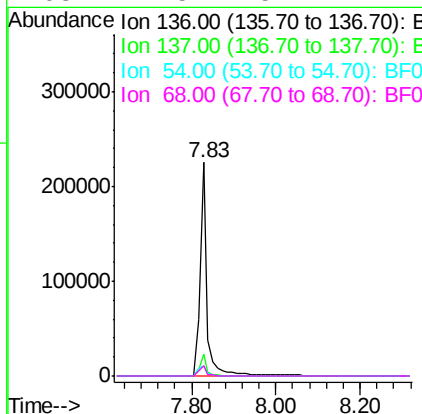
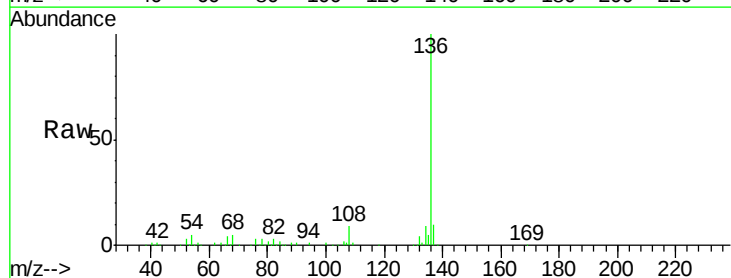
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

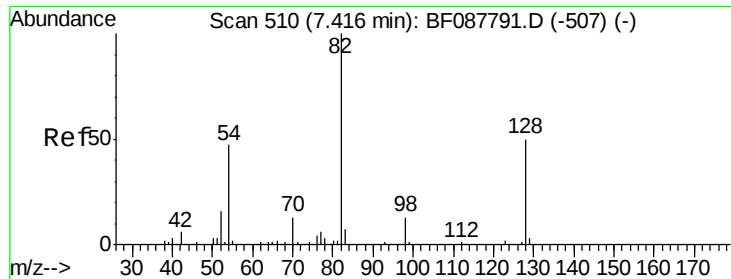
Tgt Ion: 70 Resp: 39769
Ion Ratio Lower Upper
70 100
42 35.8 49.6 74.4#
101 0.0 7.1 10.7#
130 2.9 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Tgt Ion: 136 Resp: 264933
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 5.0 6.6 10.0#
68 4.5 5.1 7.7#

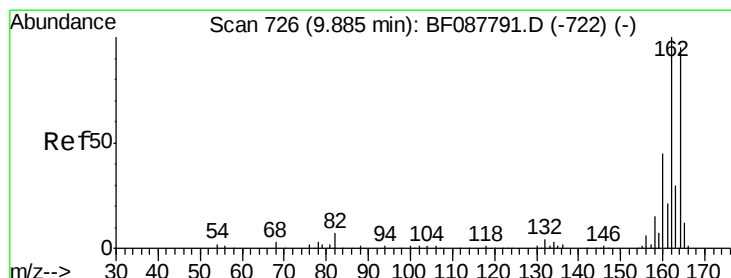
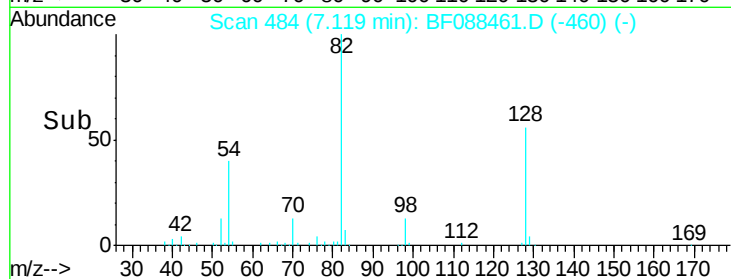
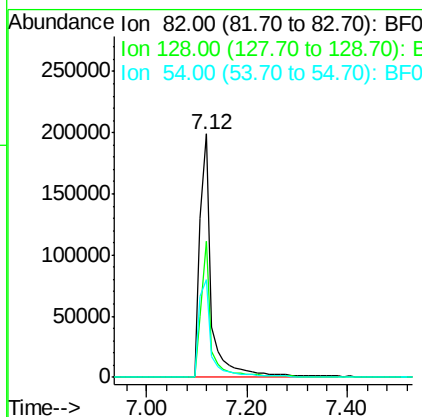
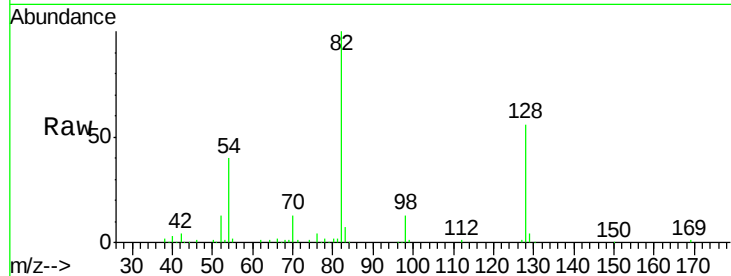




#23
 Nitrobenzene-d5
 Concen: 70.71 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: BF088461.D
 Acq: 27 Jun 2016 19:56

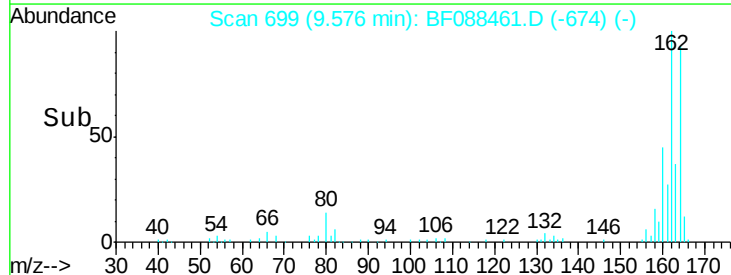
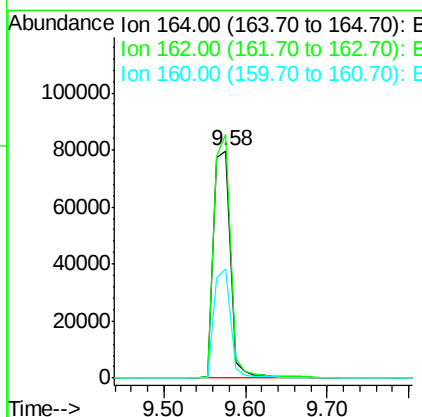
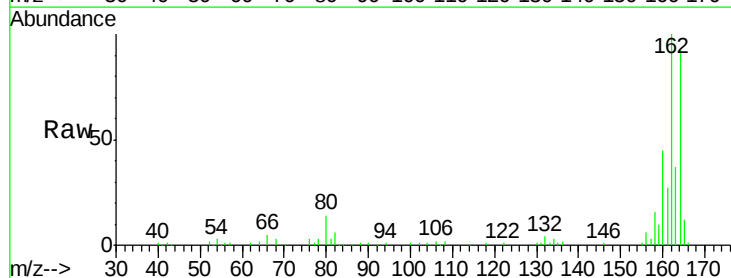
Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2A

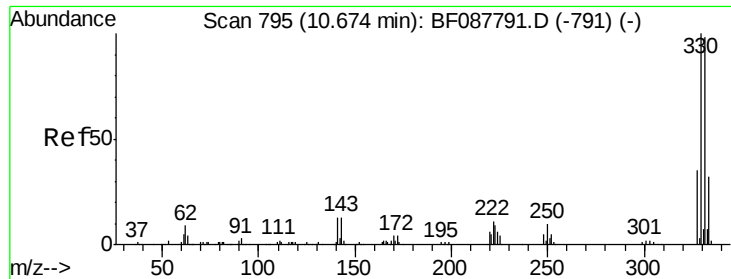
Tgt Ion: 82 Resp: 320820
 Ion Ratio Lower Upper
 82 100
 128 55.7 35.9 53.9#
 54 40.1 40.9 61.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF088461.D
 Acq: 27 Jun 2016 19:56

Tgt Ion:164 Resp: 117029
 Ion Ratio Lower Upper
 164 100
 162 107.1 85.4 128.2
 160 48.1 39.5 59.3

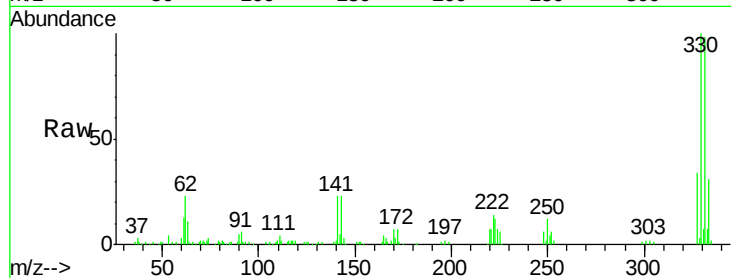




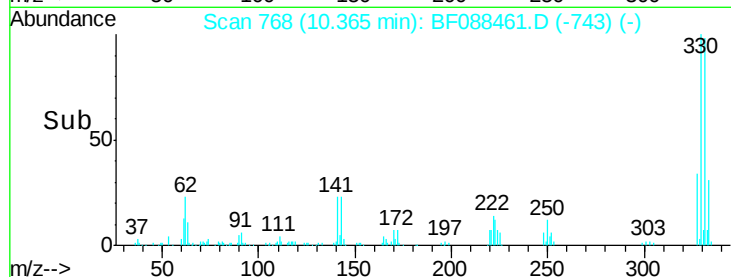
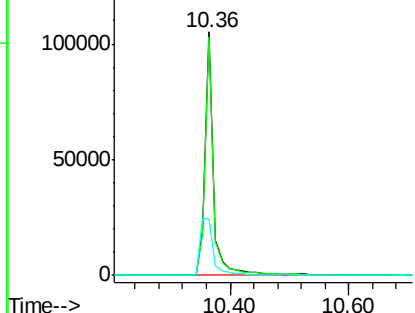
#41
 2,4,6-Tribromophenol
 Concen: 89.11 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088461.D
 Acq: 27 Jun 2016 19:56

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	36.7	0.0	0.0#

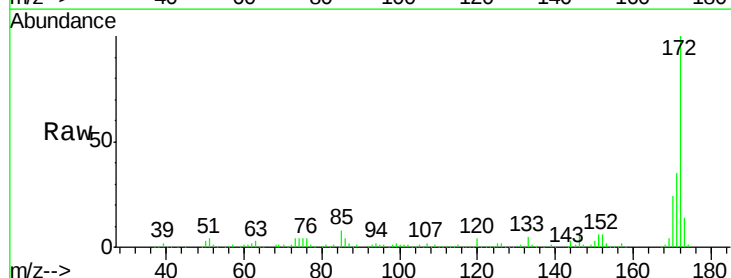


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

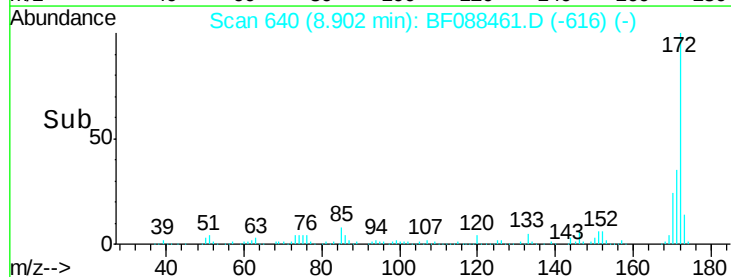
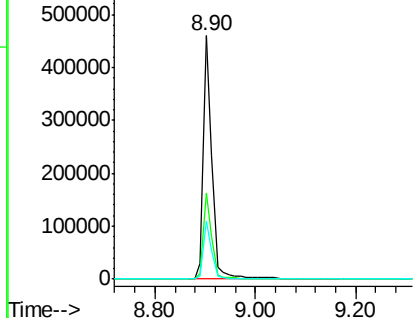


#44
 2-Fluorobiphenyl
 Concen: 73.76 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF088461.D
 Acq: 27 Jun 2016 19:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.6	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.90 min Scan# 640

Delta R.T. -0.11 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

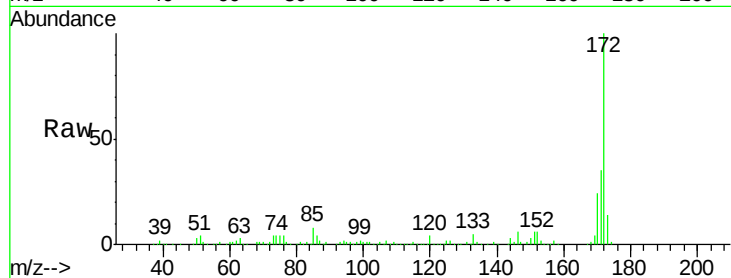
Tgt Ion:154 Resp: 897

Ion Ratio Lower Upper

154 100

153 945.9 20.6 60.6#

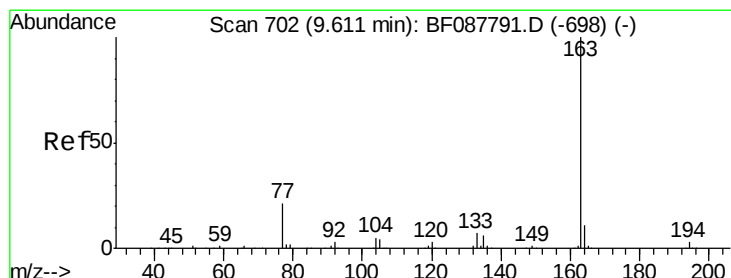
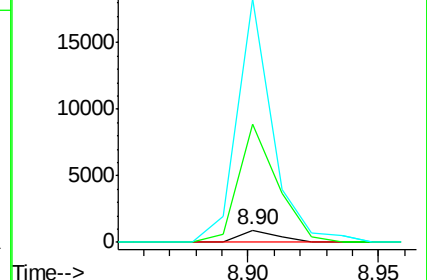
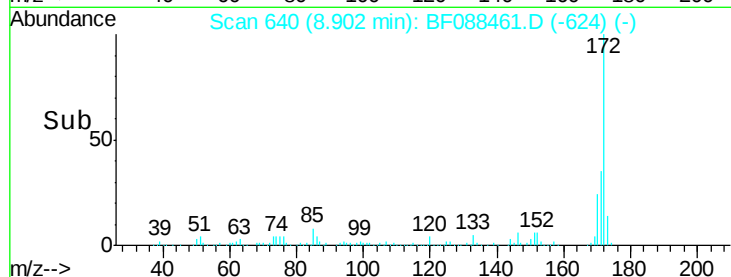
76 1949.3 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 17.10 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

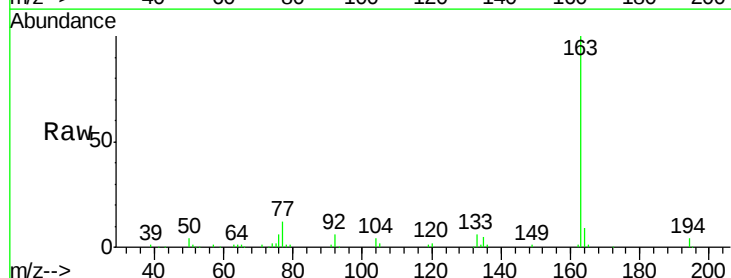
Tgt Ion:163 Resp: 144921

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

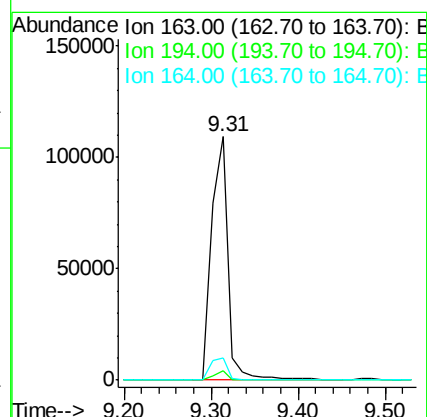
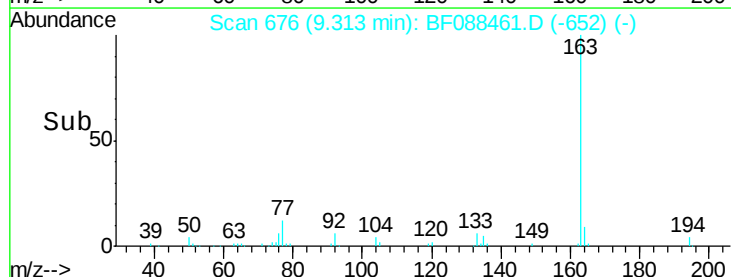
164 9.3 8.3 12.5



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

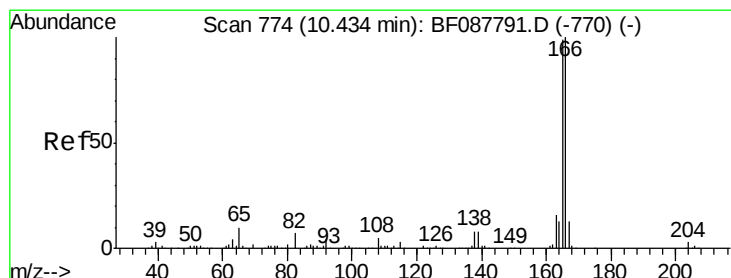
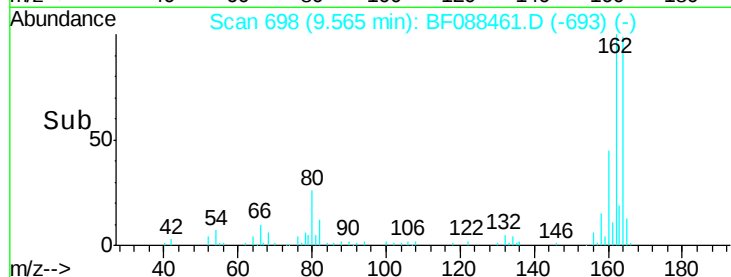
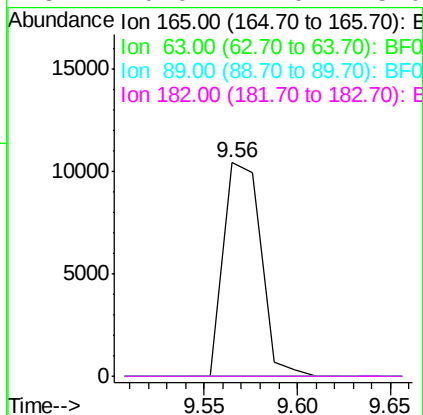
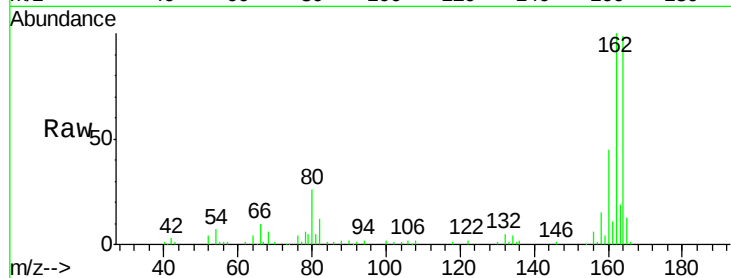




#56
2,4-Dinitrotoluene
Concen: 5.90 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.24 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

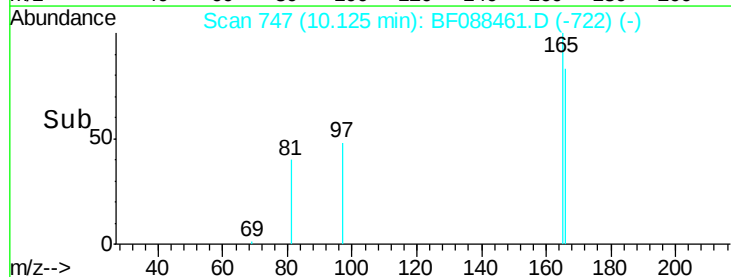
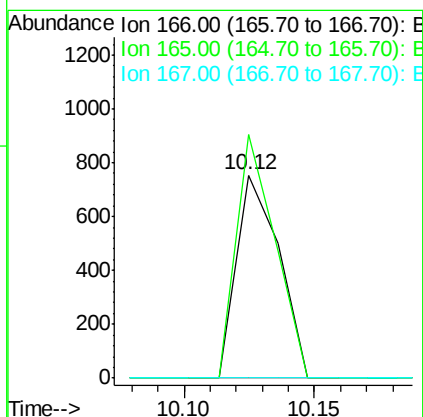
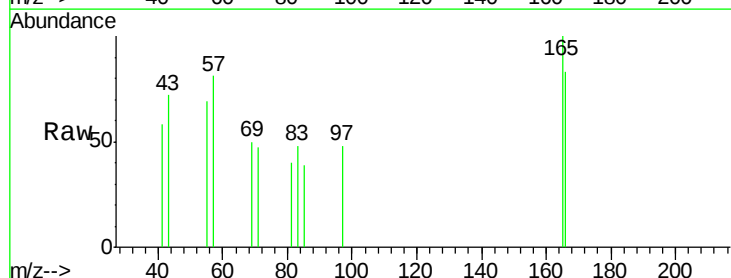
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

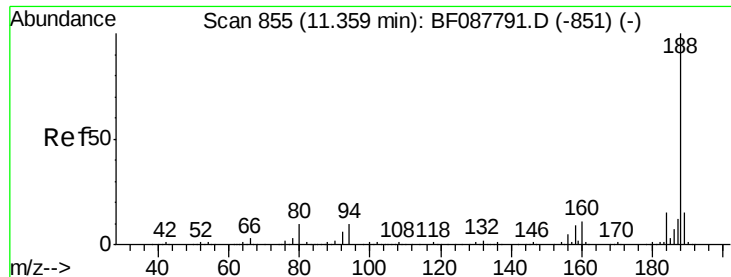
Tgt Ion:	165	Resp:	14726
Ion Ratio	Lower	Upper	
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.12 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Tgt Ion:	166	Resp:	861
Ion Ratio	Lower	Upper	
166	100		
165	120.1	77.8	116.8#
167	0.0	11.2	16.8#

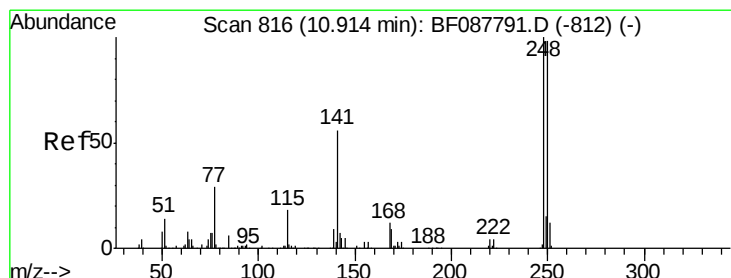
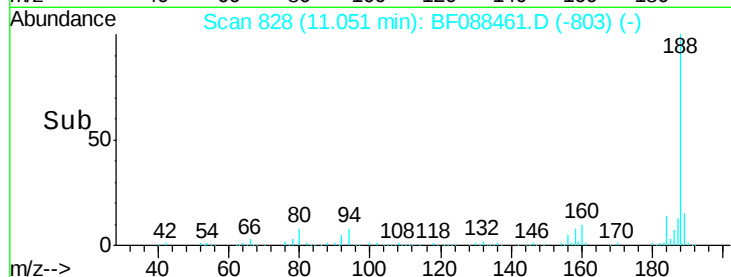
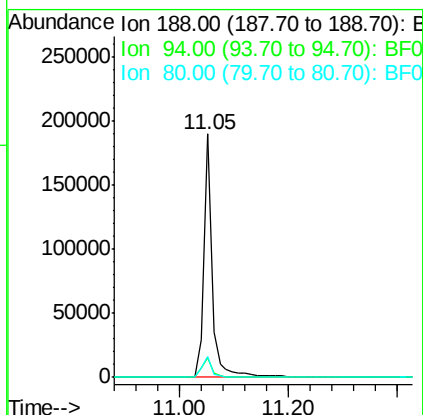
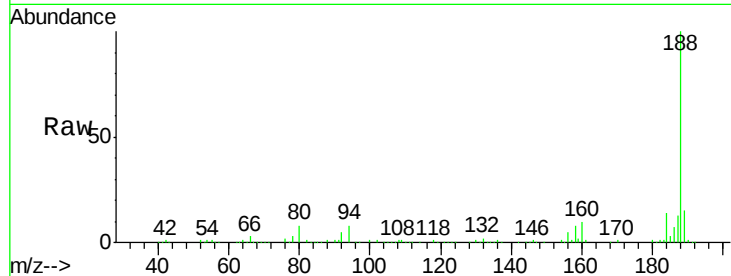




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

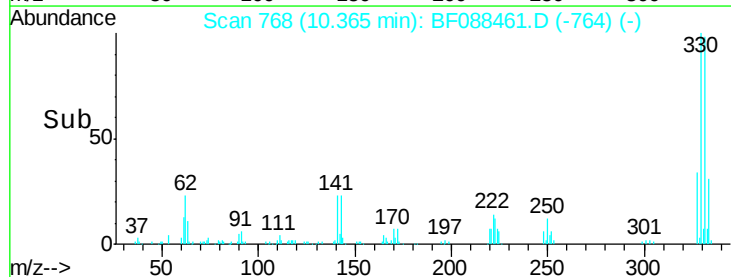
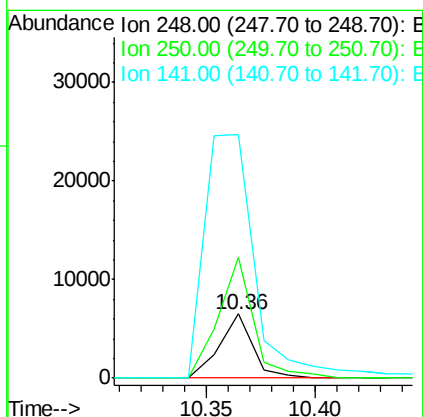
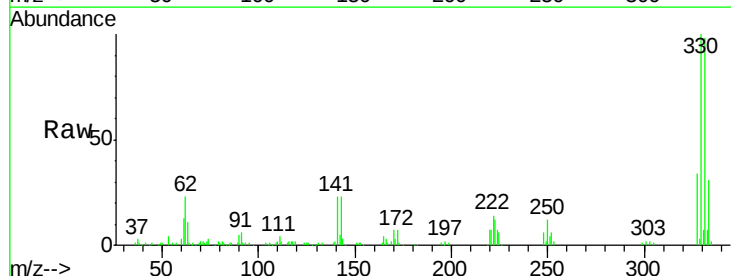
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

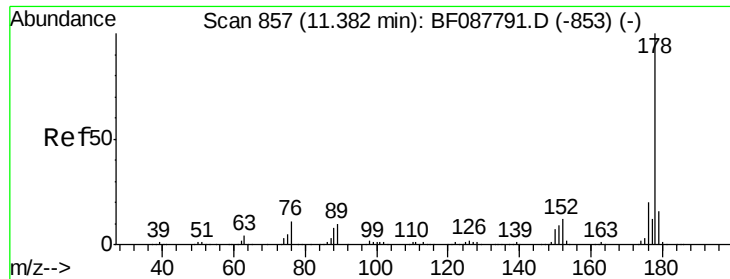
Tgt Ion:188 Resp: 202146
Ion Ratio Lower Upper
188 100
94 8.2 9.0 13.6#
80 8.5 10.0 15.0#



#66
4-Bromophenyl-phenylether
Concen: 3.16 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.25 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Tgt Ion:248 Resp: 6848
Ion Ratio Lower Upper
248 100
250 188.4 77.1 115.7#
141 381.5 50.6 76.0#

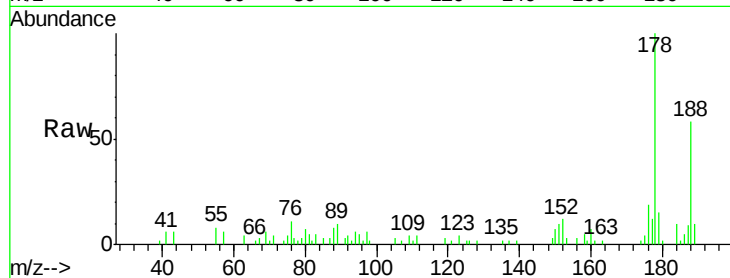




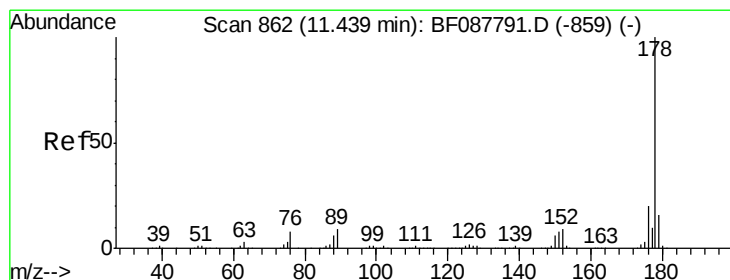
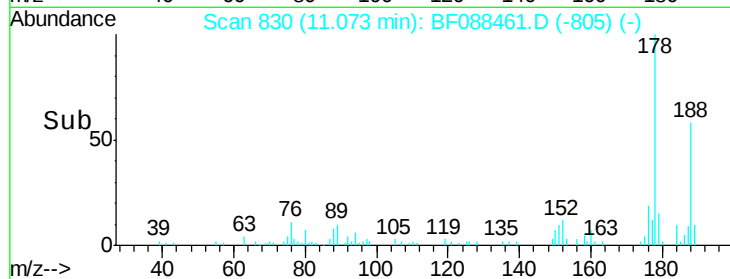
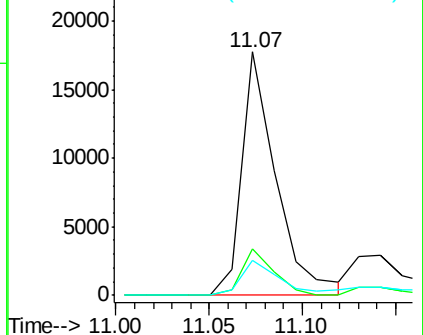
#70
Phenanthrene
Concen: 2.15 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tgt Ion:178 Resp: 22777
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 14.6 13.0 19.4

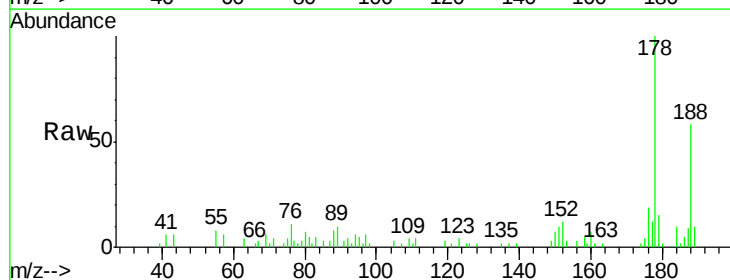


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

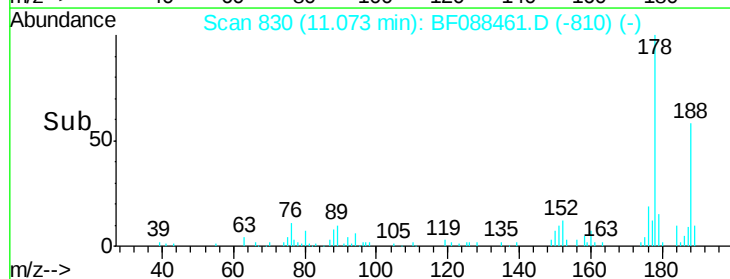
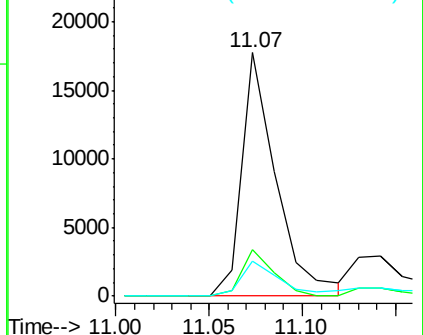


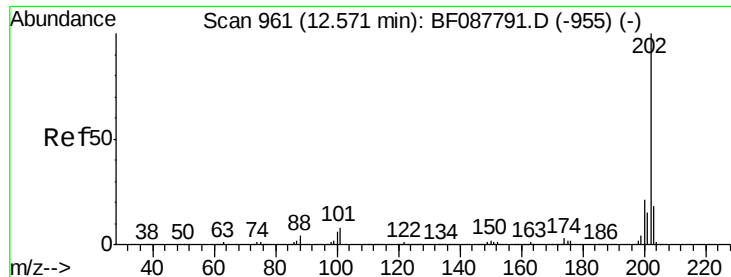
#71
Anthracene
Concen: 2.13 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Tgt Ion:178 Resp: 22777
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 14.6 12.8 19.2



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

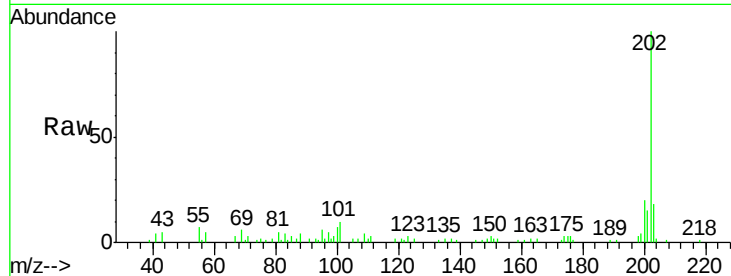




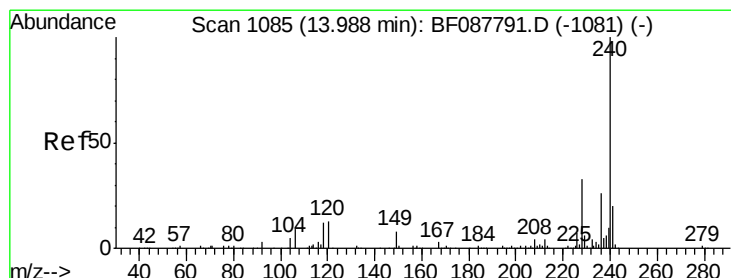
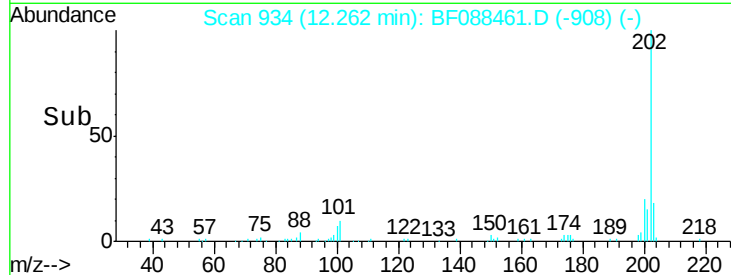
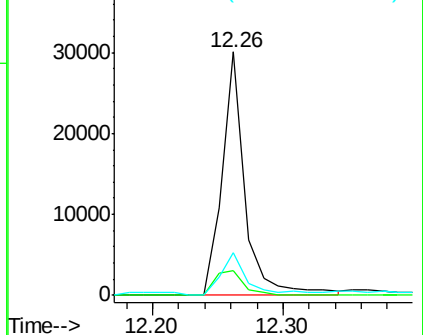
#74
Fluoranthene
Concen: 3.31 ng
RT: 12.26 min Scan# 934
Delta R.T. -0.00 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	33.1
203	17.6	0.0	38.1

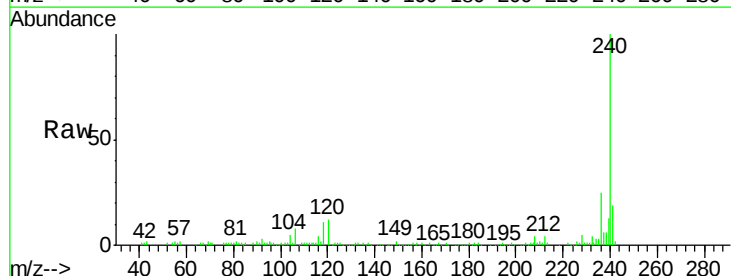


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

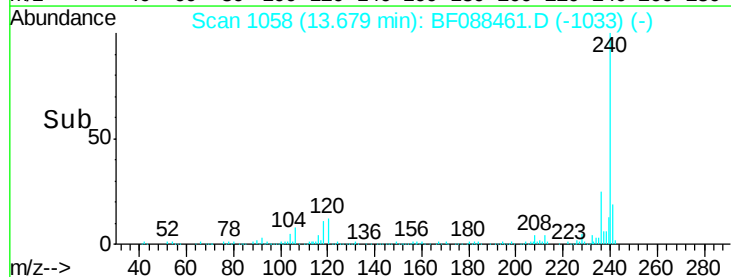
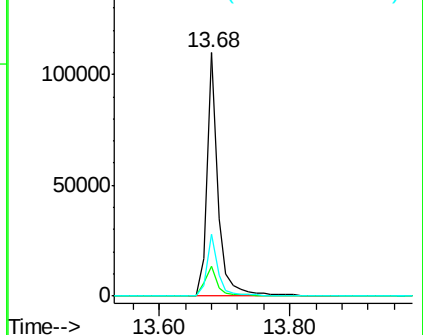


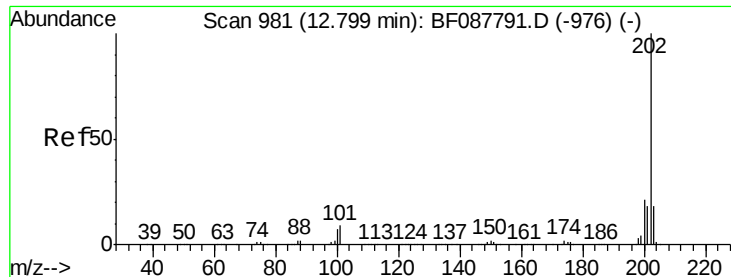
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.68 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	6.8	10.2#
236	25.3	20.2	30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.86 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.23 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

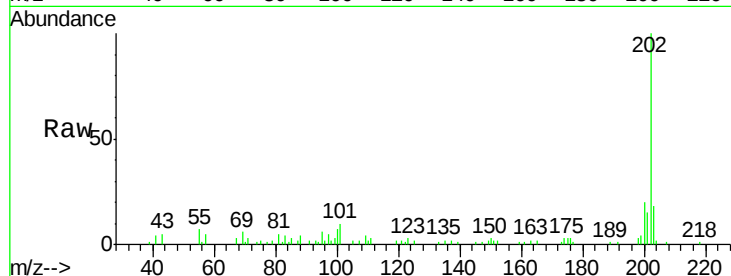
Tgt Ion:202 Resp: 37031

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

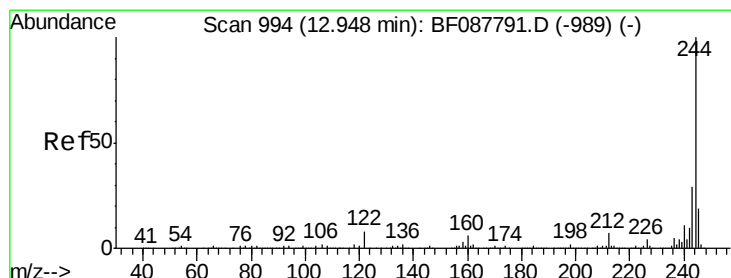
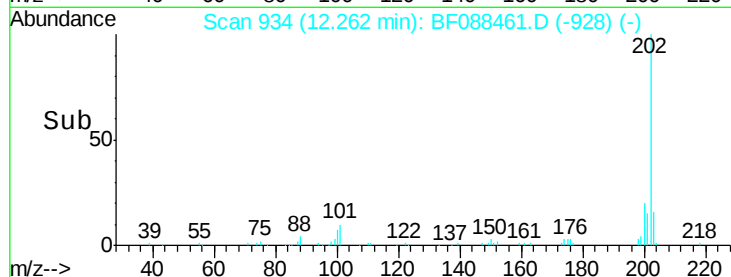
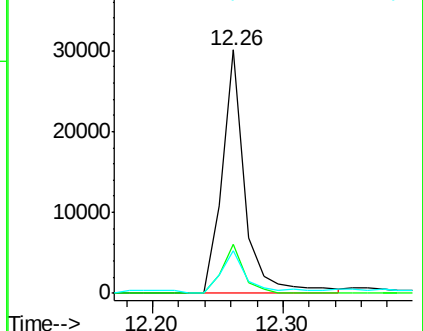
203 17.6 14.5 21.7



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: 66.14 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

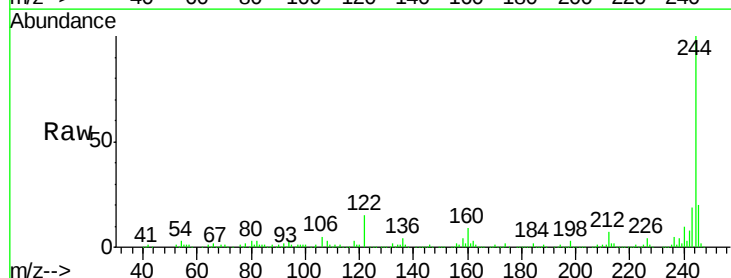
Tgt Ion:244 Resp: 376231

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

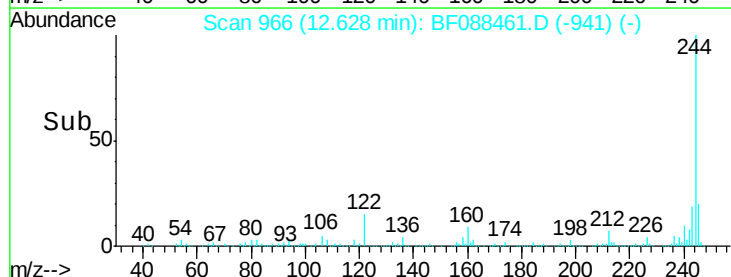
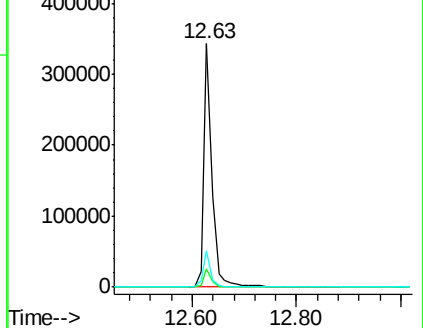
122 14.8 11.2 16.8

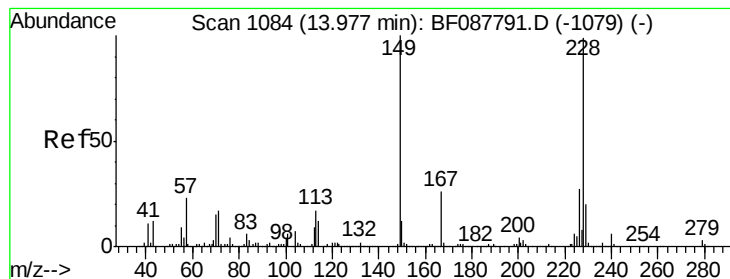


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.36 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

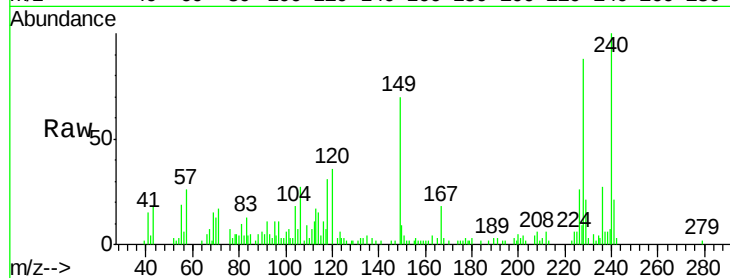
Tgt Ion:228 Resp: 17413

Ion Ratio Lower Upper

228 100

226 29.1 22.3 33.5

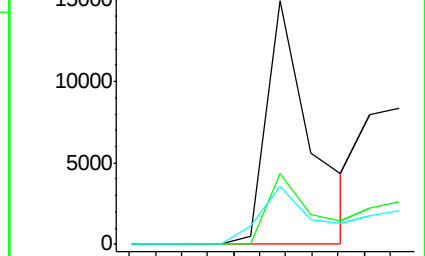
229 23.7 16.0 24.0



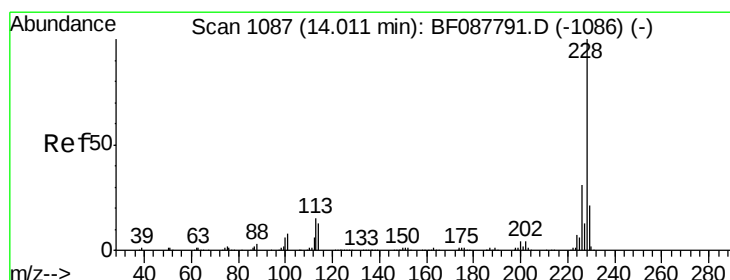
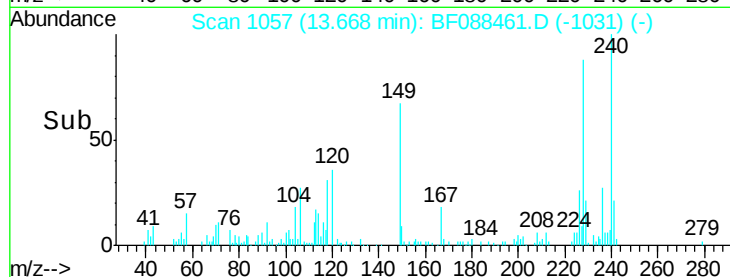
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 2.51 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF088461.D

Acq: 27 Jun 2016 19:56

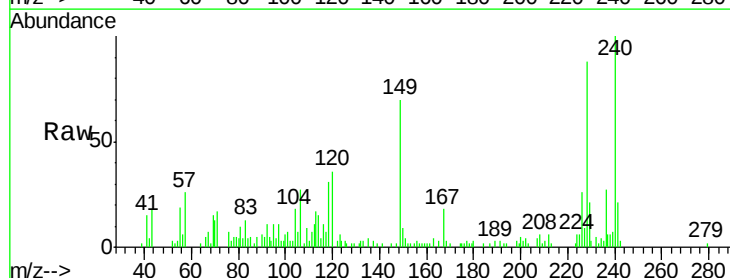
Tgt Ion:228 Resp: 17413

Ion Ratio Lower Upper

228 100

226 29.1 25.4 38.2

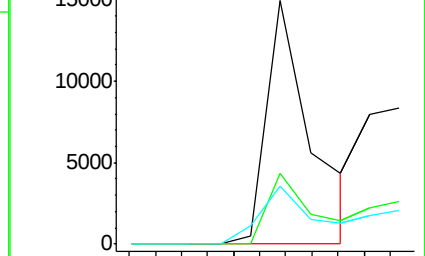
229 23.7 16.3 24.5



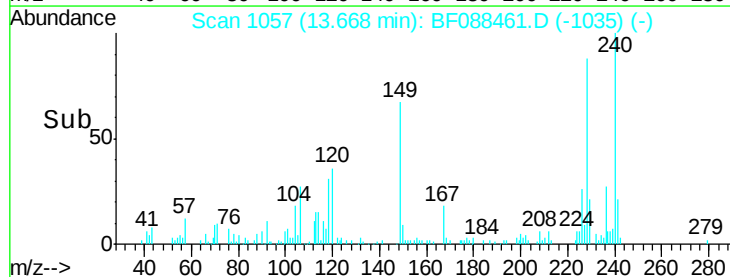
Abundance Ion 228.00 (227.70 to 228.70): E

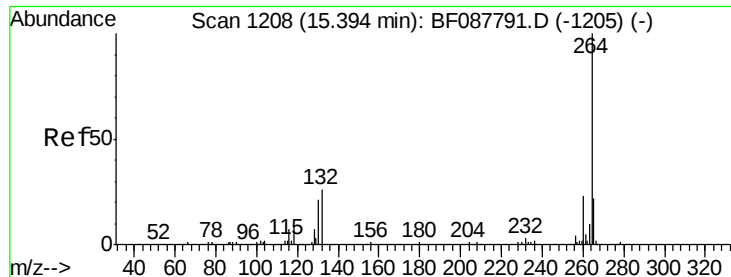
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

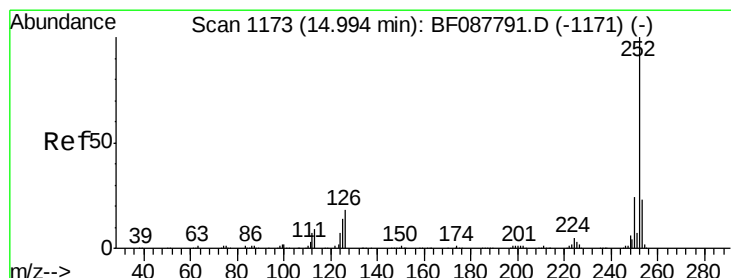
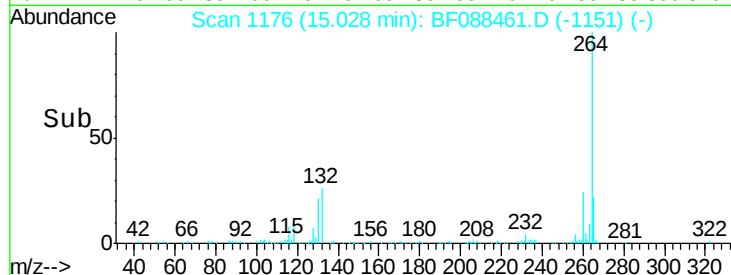
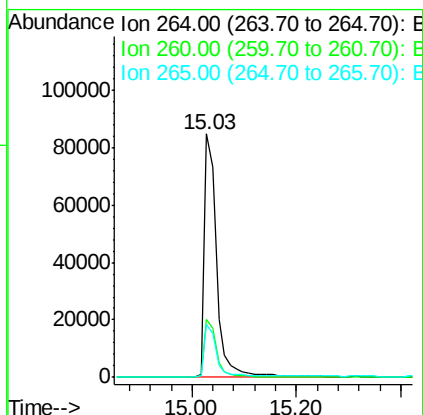
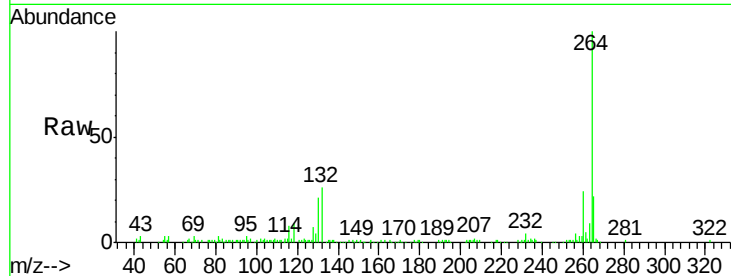




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

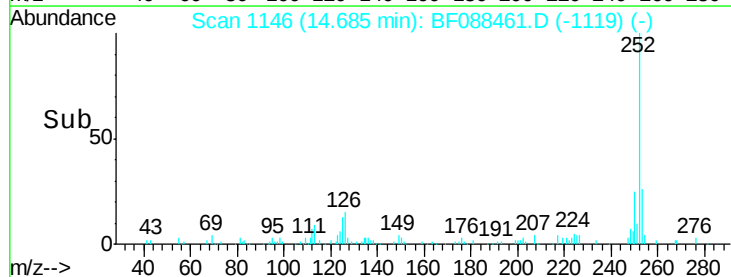
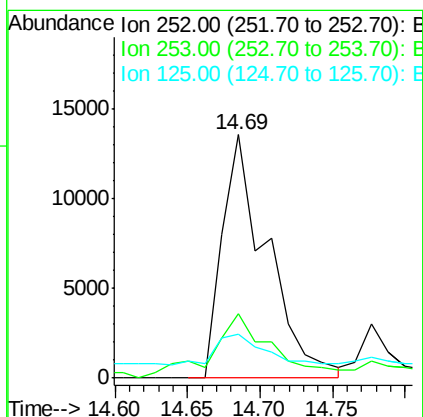
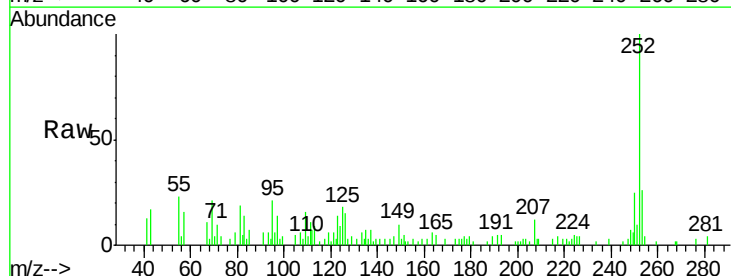
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

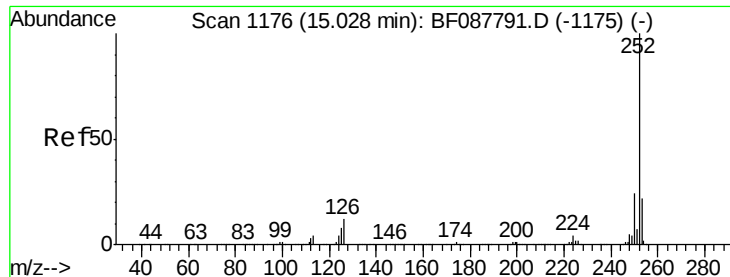
Tgt Ion:264 Resp: 141487
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.7 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 2.93 ng
RT: 14.69 min Scan# 1146
Delta R.T. 0.01 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Tgt Ion:252 Resp: 28908
Ion Ratio Lower Upper
252 100
253 26.3 17.4 26.2#
125 18.0 7.1 10.7#

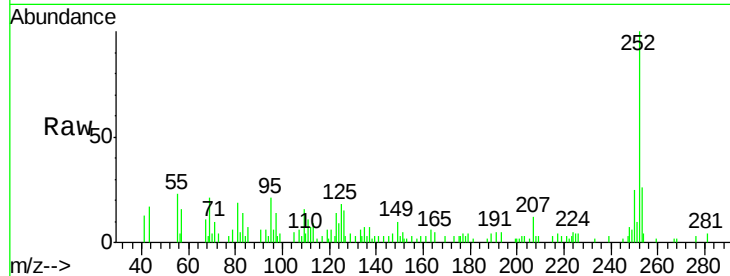




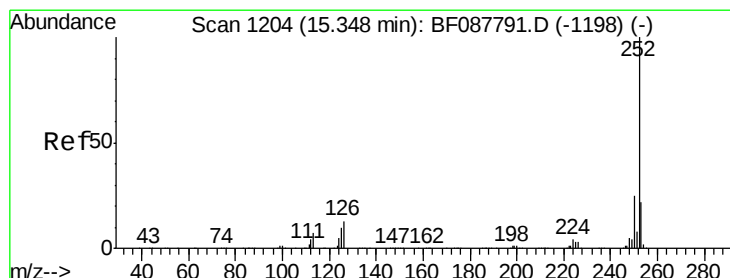
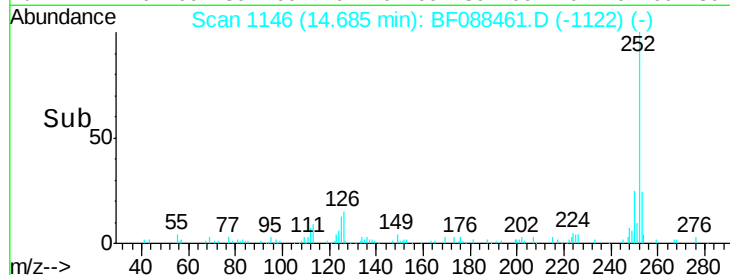
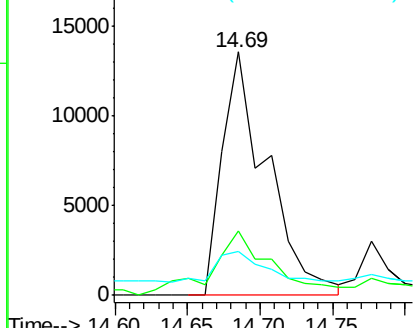
#88
Benzo(k)fluoranthene
Concen: 3.89 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tgt Ion:252 Resp: 28908
Ion Ratio Lower Upper
252 100
253 26.3 18.0 27.0
125 18.0 11.2 16.8#

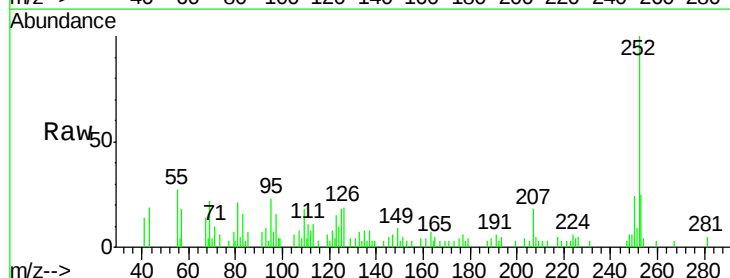


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.04 ng
RT: 14.99 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF088461.D
Acq: 27 Jun 2016 19:56

Tgt Ion:252 Resp: 16298
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 18.2 12.5 18.7



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

