

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088546.D
 Acq On : 30 Jun 2016 23:23
 Operator : UM/SJ
 Sample : H3629-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

Quant Time: Jul 01 01:32:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

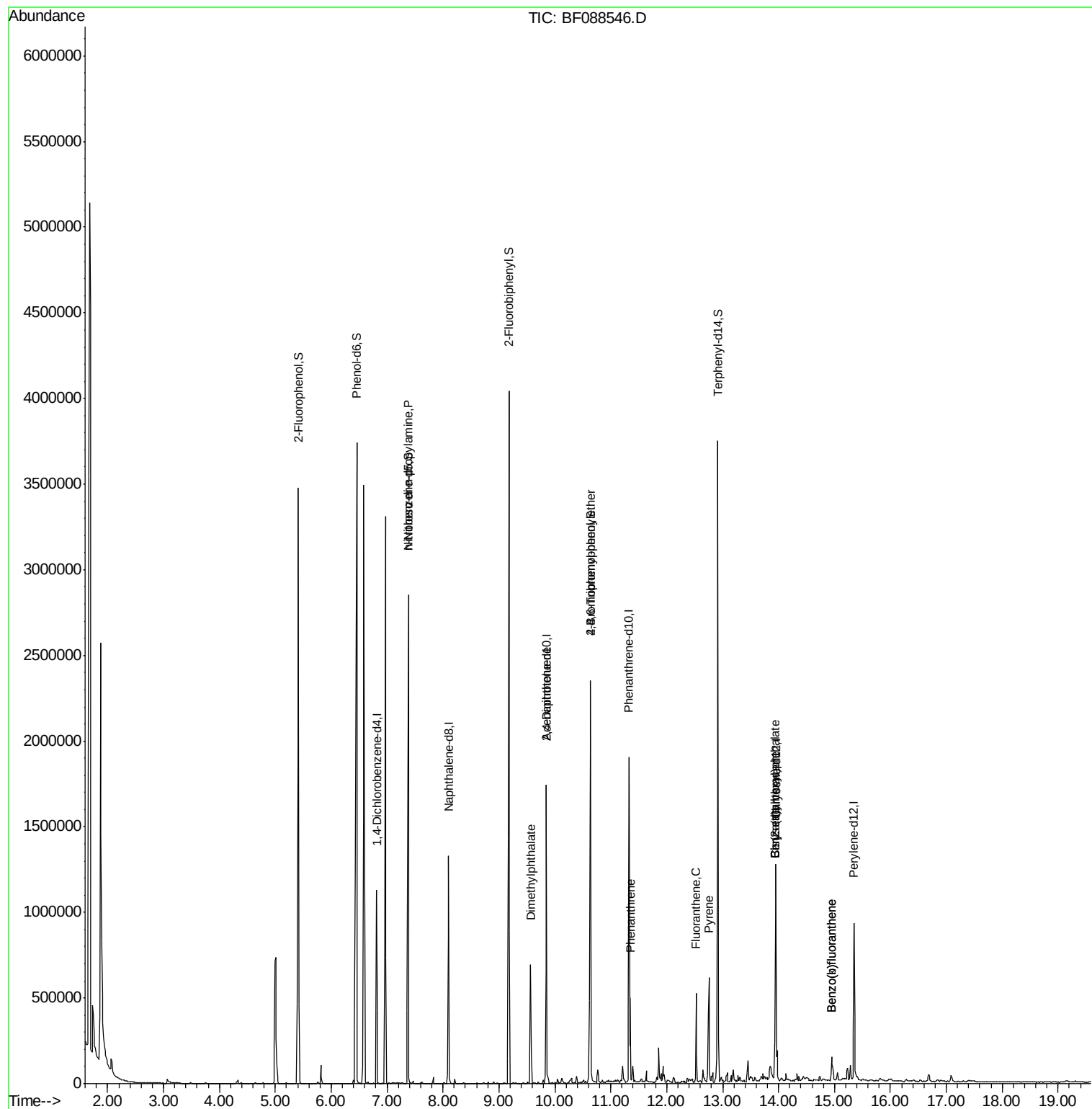
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	175783	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	748576	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	352774	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	631620	20.00	ng	0.00
75) Chrysene-d12	13.95	240	482892	20.00	ng	0.00
86) Perylene-d12	15.35	264	387526	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1236925	105.46	ng	0.01
7) Phenol-d6	6.46	99	1934109	127.62	ng	0.01
23) Nitrobenzene-d5	7.38	82	1195128	83.67	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	410834	125.41	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1454008	65.10	ng	0.00
78) Terphenyl-d14	12.91	244	1208523	55.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	165914	16.30	ng	# 73
49) Dimethylphthalate	9.56	163	275429	10.96	ng	99
56) 2,4-Dinitrotoluene	9.85	165	45792	6.29	ng	# 38
66) 4-Bromophenyl-phenylether	10.64	248	27712	4.35	ng	# 1
70) Phenanthrene	11.35	178	163395	4.73	ng	98
74) Fluoranthene	12.53	202	203187	5.80	ng	95
77) Pyrene	12.75	202	208995	5.10	ng	99
80) Benzo(a)anthracene	13.94	228	78677	2.53	ng	99
82) Chrysene	13.94	228	78677	2.56	ng	95
83) Bis(2-ethylhexyl)phthalate	13.94	149	52734	2.53	ng	# 98
87) Benzo(b)fluoranthene	14.95	252	91542	3.77	ng	# 93
88) Benzo(k)fluoranthene	14.95	252	91542	4.33	ng	98

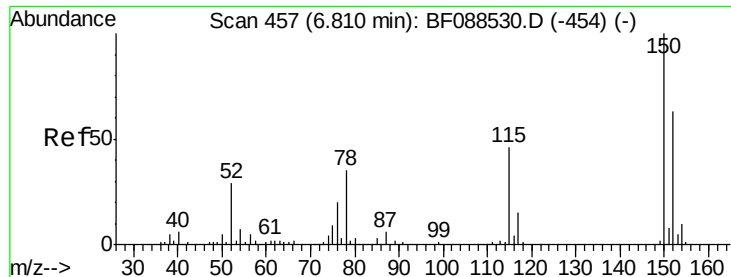
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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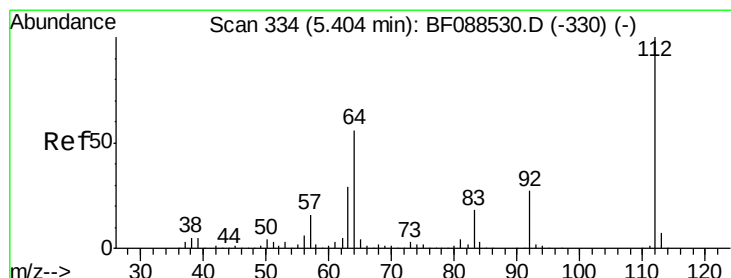
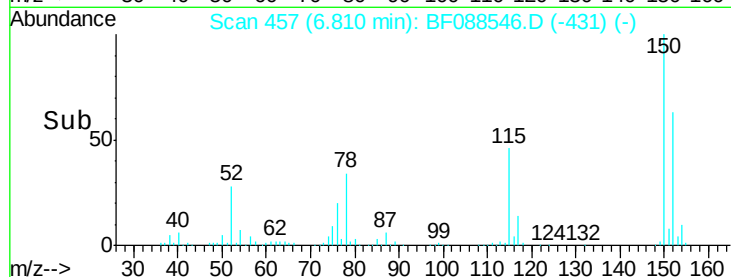
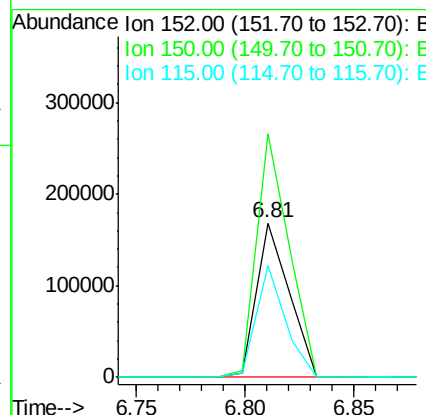
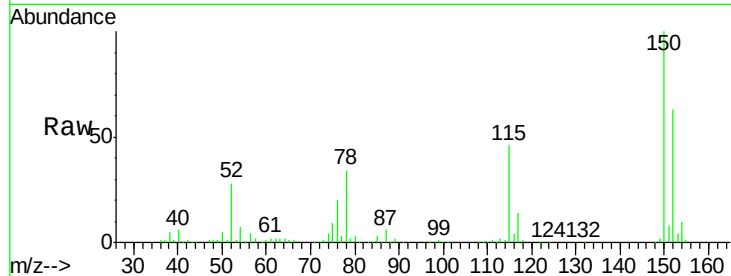




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: BF088546.D
 Acq: 30 Jun 2016 23:23

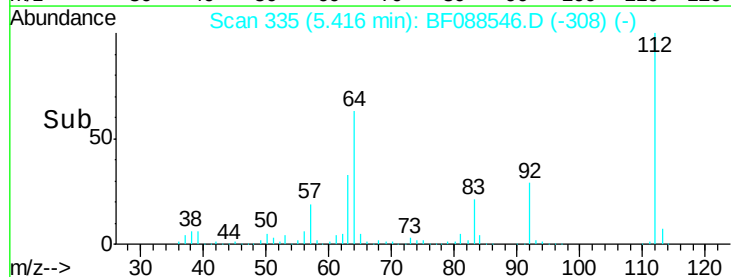
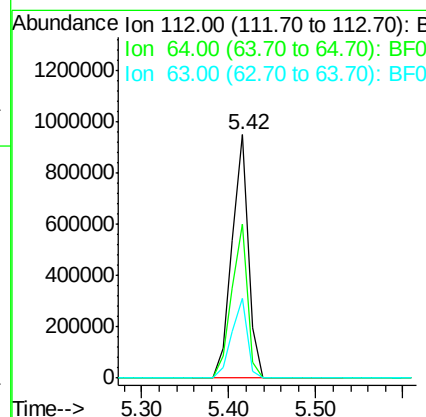
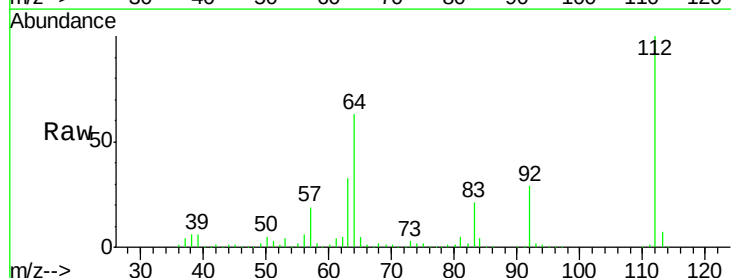
Instrument :
 BNA_F
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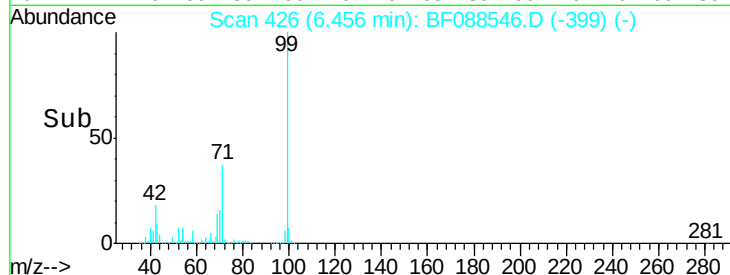
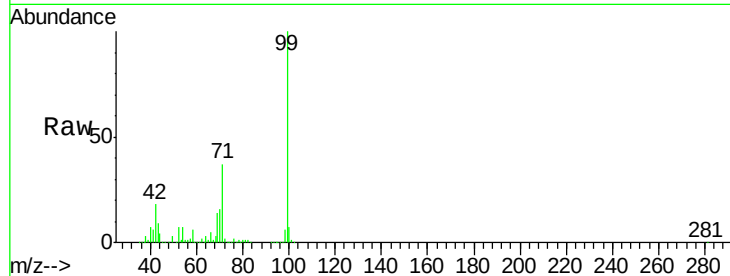
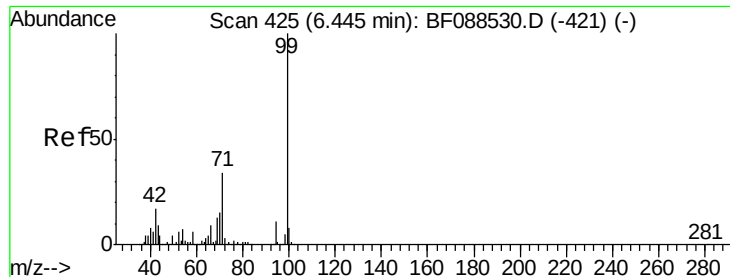
Tgt Ion:152 Resp: 175783
 Ion Ratio Lower Upper
 152 100
 150 157.8 123.8 185.6
 115 72.4 39.6 59.4#



#5
 2-Fluorophenol
 Concen: 105.46 ng
 RT: 5.42 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: BF088546.D
 Acq: 30 Jun 2016 23:23

Tgt Ion:112 Resp: 1236925
 Ion Ratio Lower Upper
 112 100
 64 63.2 42.2 63.2
 63 33.0 21.8 32.8#





#7

Phenol-d6

Concen: 127.62 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

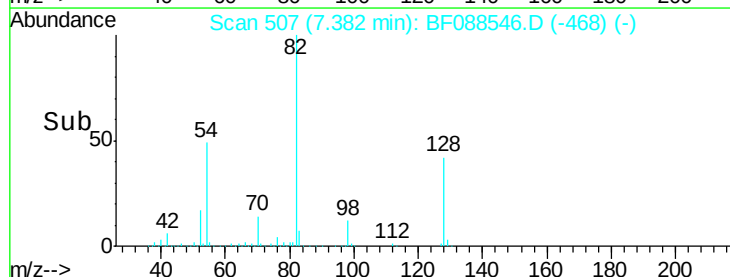
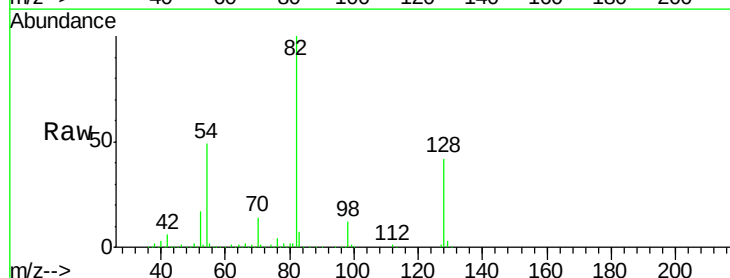
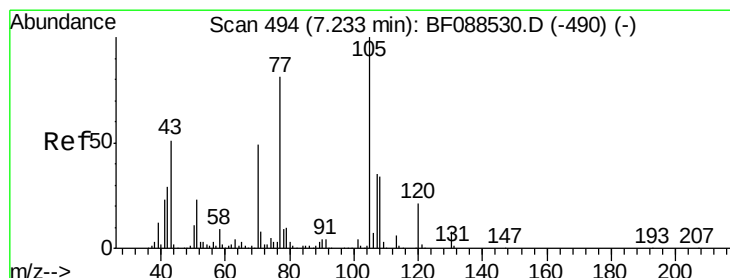
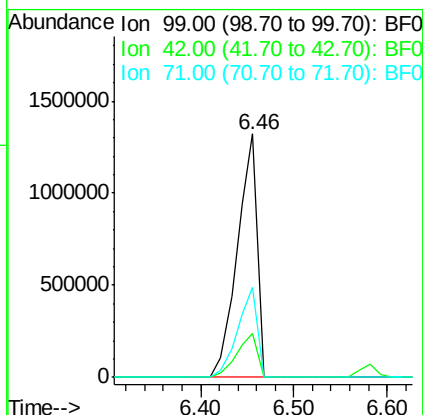
Tgt Ion: 99 Resp: 1934109

Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

71 37.1 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.30 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.15 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Tgt Ion: 70 Resp: 165914

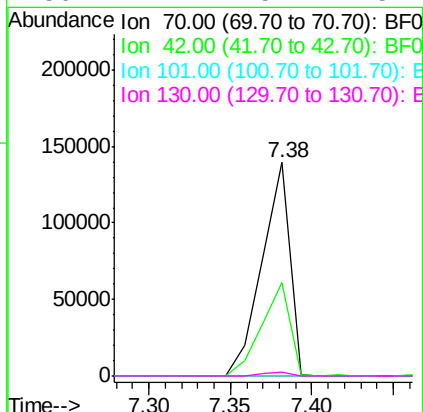
Ion Ratio Lower Upper

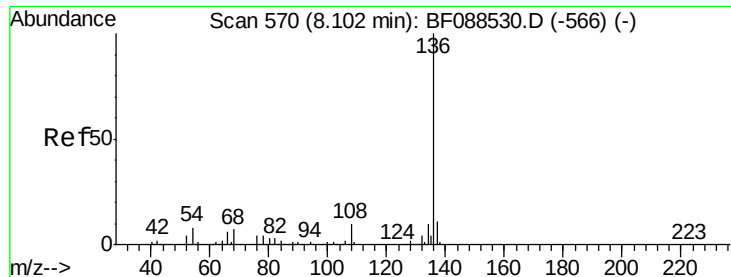
70 100

42 43.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

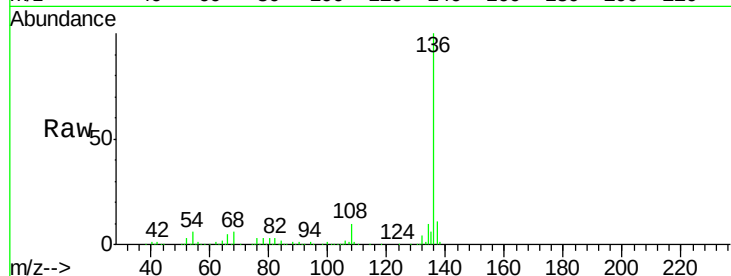




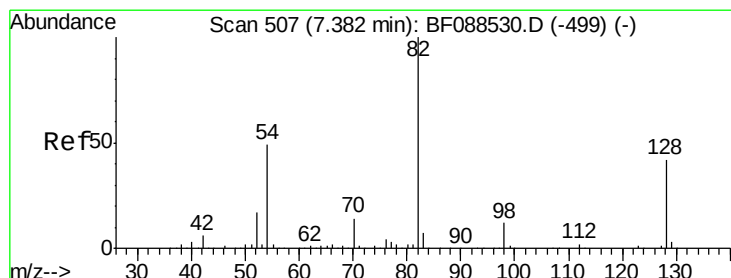
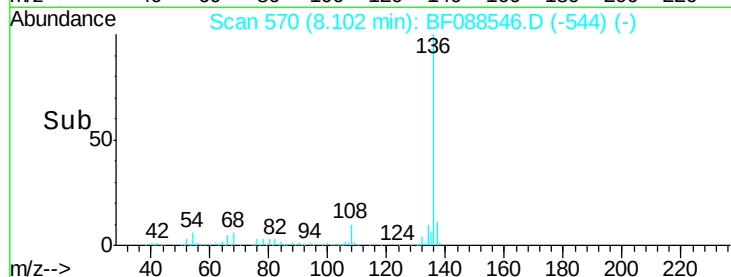
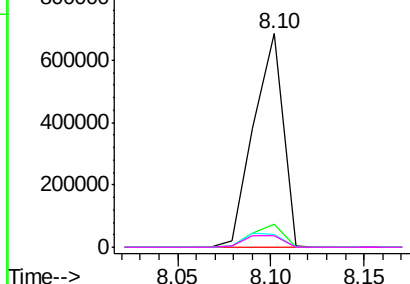
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

Tgt Ion:	136	Resp:	748576
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.1	6.6	10.0#
68	5.5	5.1	7.7

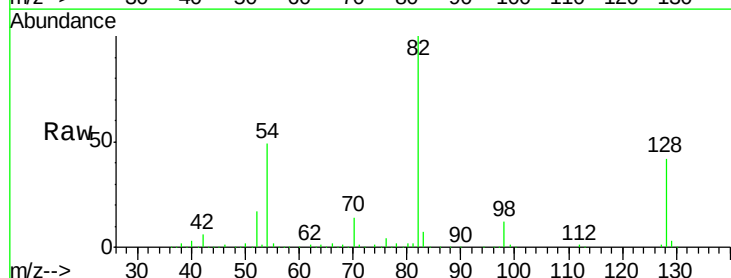


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

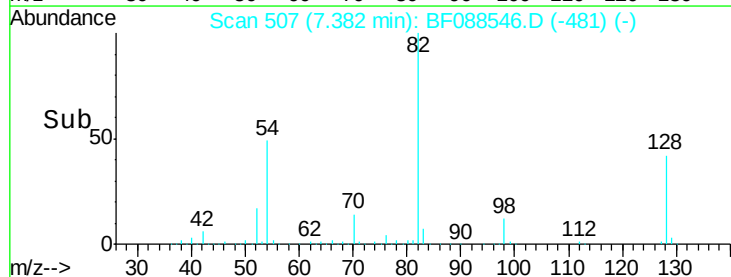
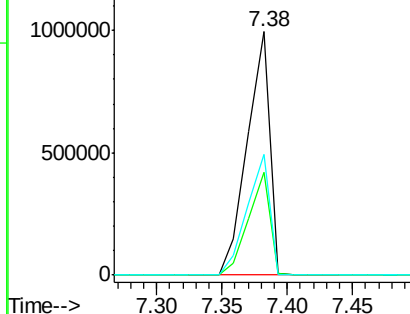


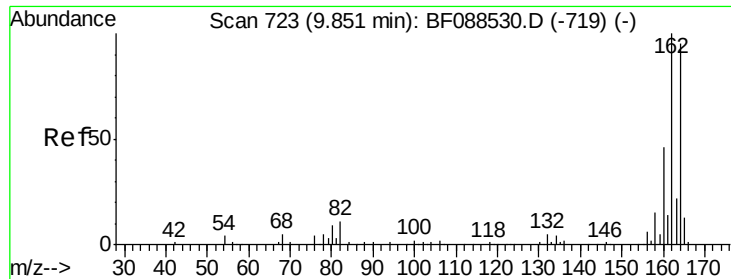
#23
Nitrobenzene-d5
Concen: 83.67 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

Tgt Ion:	82	Resp:	1195128
Ion	Ratio	Lower	Upper
82	100		
128	42.1	35.9	53.9
54	49.4	40.9	61.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

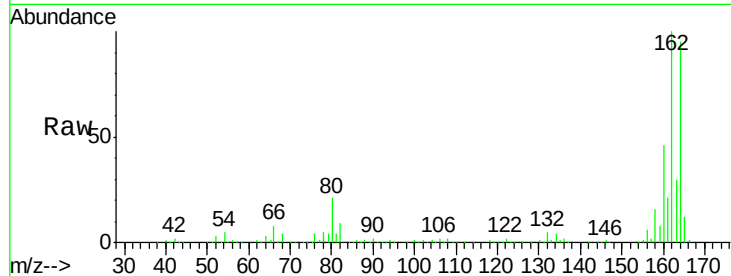
Tgt Ion:164 Resp: 352774

Ion Ratio Lower Upper

164 100

162 105.0 85.4 128.2

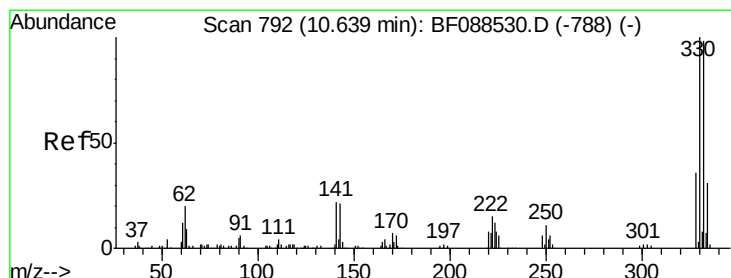
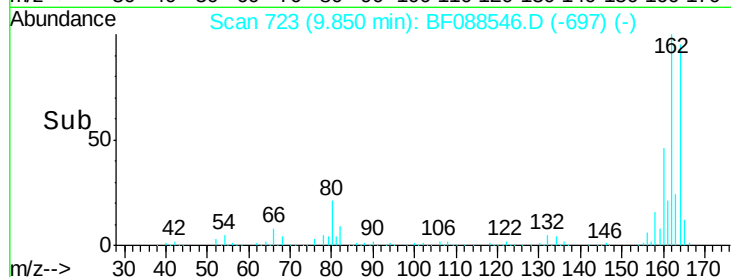
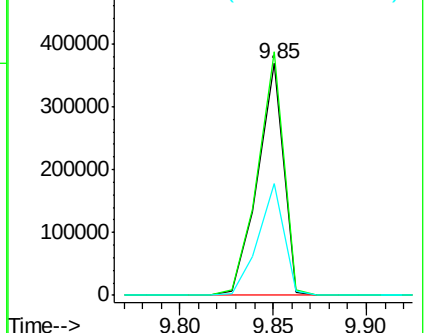
160 48.5 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 125.41 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

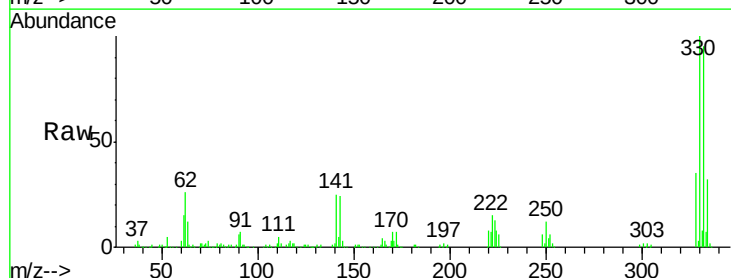
Tgt Ion:330 Resp: 410834

Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

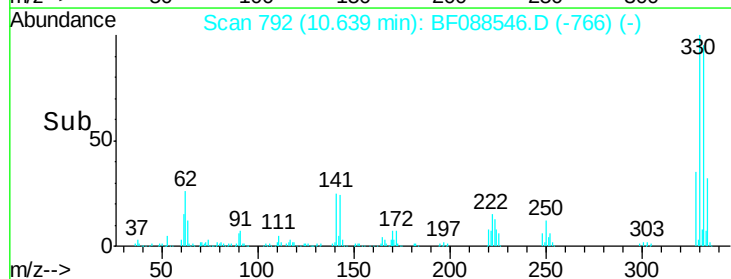
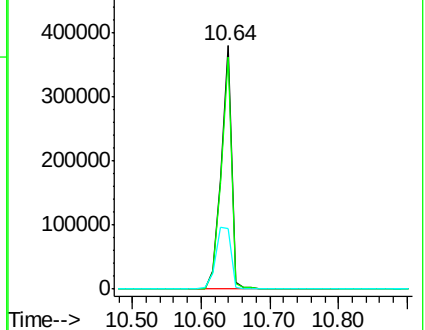
141 37.2 0.0 0.0#

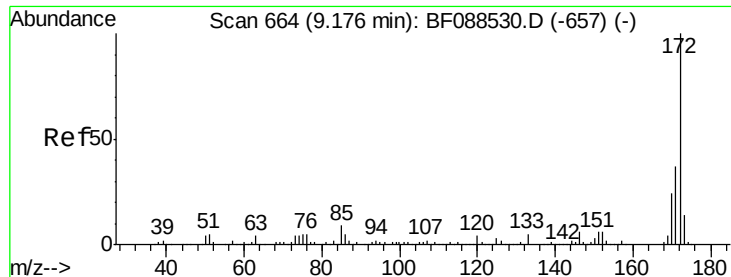


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

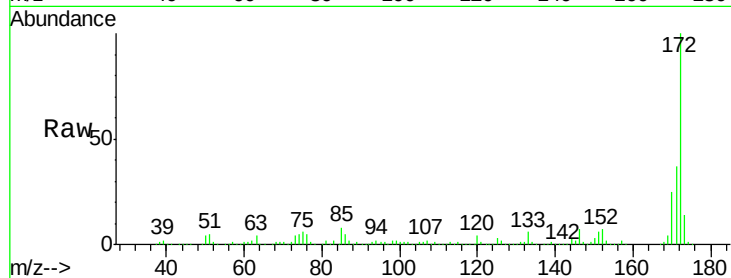




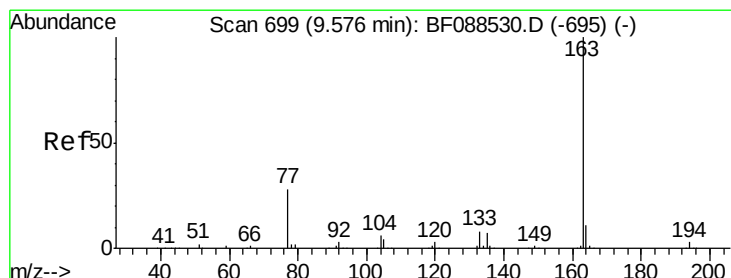
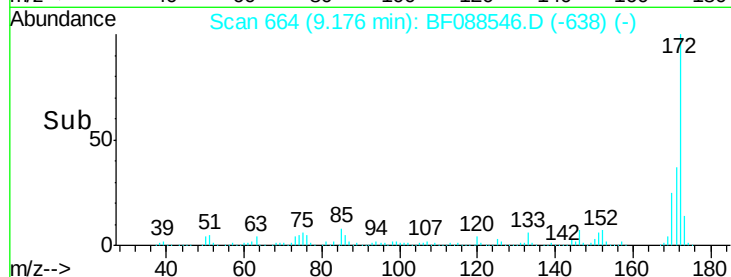
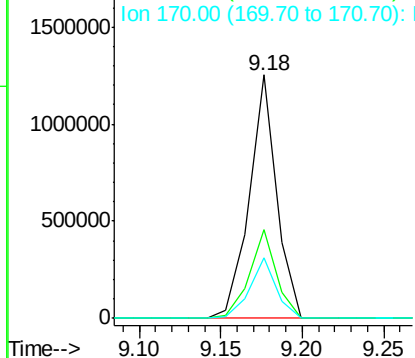
#44
 2-Fluorobiphenyl
 Concen: 65.10 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF088546.D
 Acq: 30 Jun 2016 23:23

Instrument :
 BNA_F
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 LOCATION-5D(9-11)

Tgt Ion:172 Resp: 1454008
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.6 43.0
 170 24.7 19.2 28.8

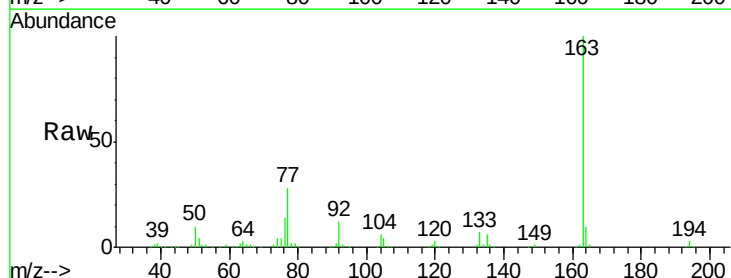


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

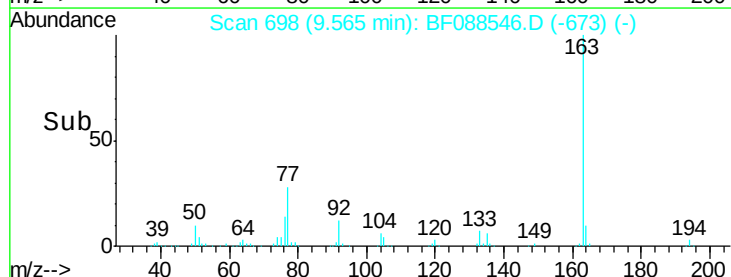
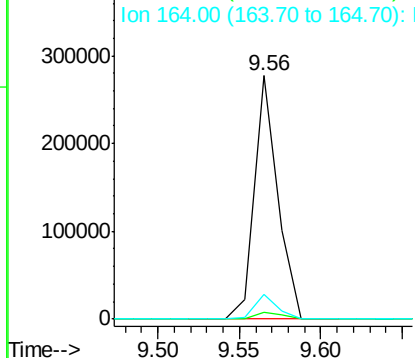


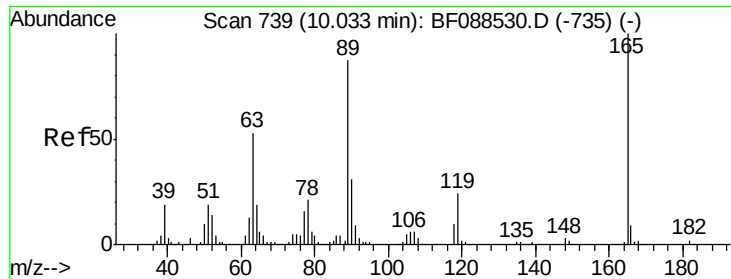
#49
 Dimethylphthalate
 Concen: 10.96 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: BF088546.D
 Acq: 30 Jun 2016 23:23

Tgt Ion:163 Resp: 275429
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.1 8.3 12.5



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

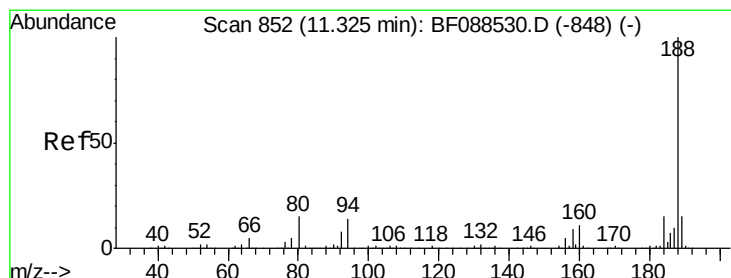
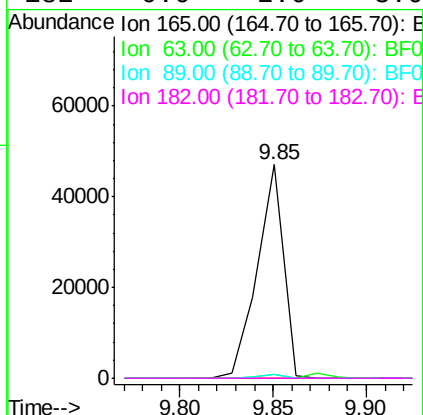
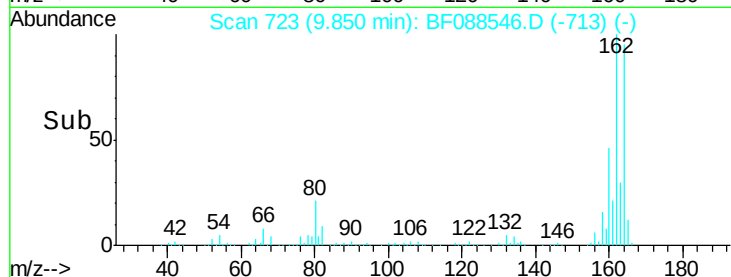
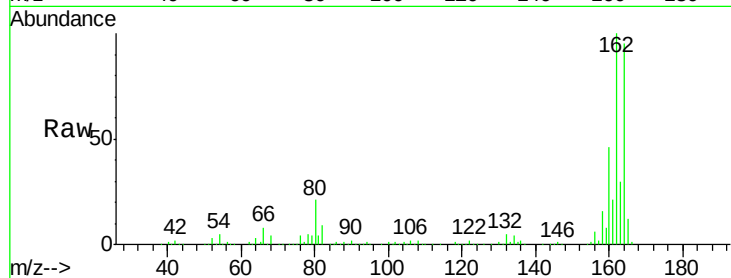




#56
2,4-Dinitrotoluene
Concen: 6.29 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.18 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

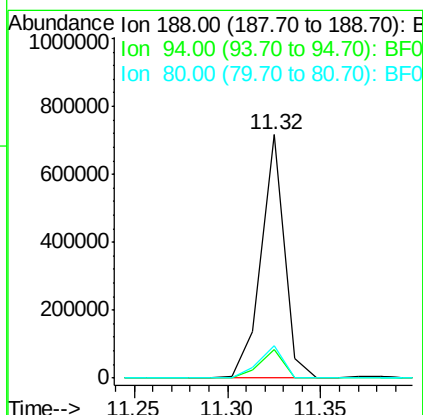
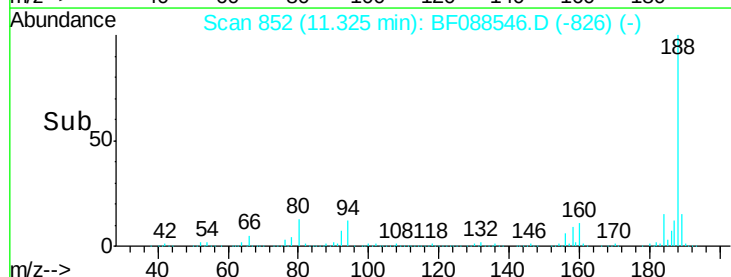
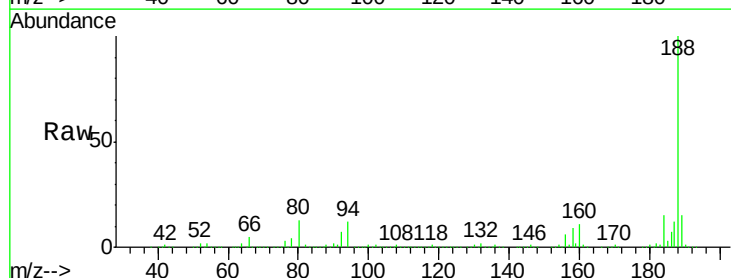
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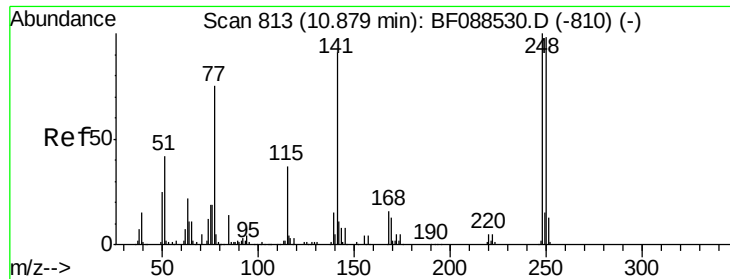
Tgt Ion:165 Resp: 45792
Ion Ratio Lower Upper
165 100
63 1.5 22.0 33.0#
89 1.8 41.1 61.7#
182 0.0 2.0 3.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

Tgt Ion:188 Resp: 631620
Ion Ratio Lower Upper
188 100
94 11.9 9.0 13.6
80 13.4 10.0 15.0





#66

4-Bromophenyl-phenylether

Concen: 4.35 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.24 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

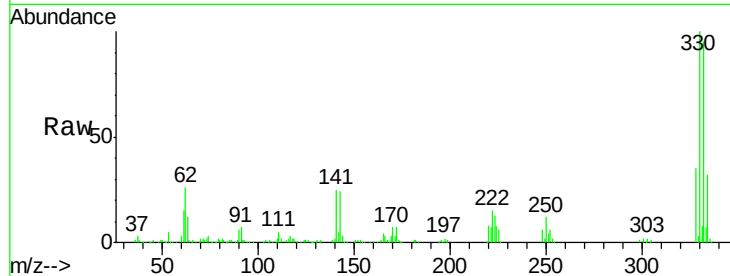
Tgt Ion:248 Resp: 27712

Ion Ratio Lower Upper

248 100

250 200.2 77.1 115.7#

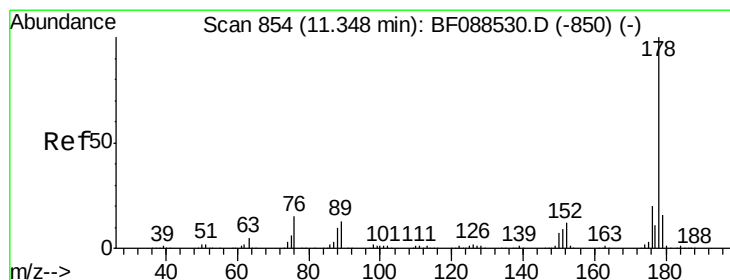
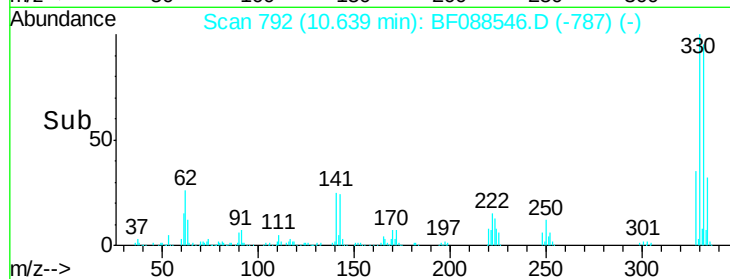
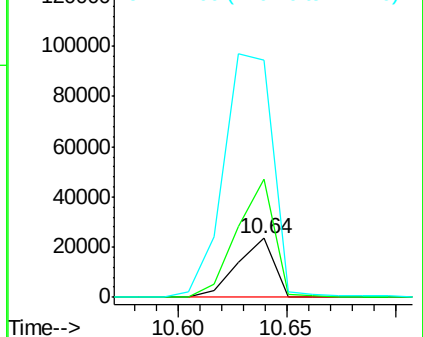
141 403.7 50.6 76.0#



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: 4.73 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

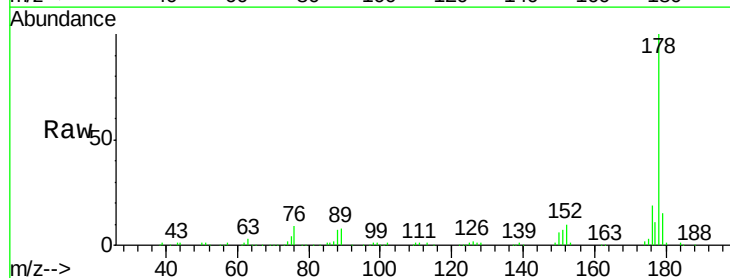
Tgt Ion:178 Resp: 163395

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

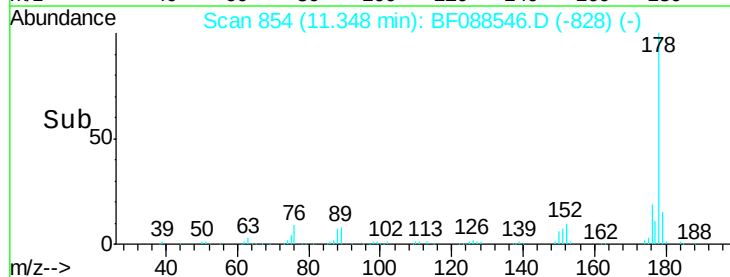
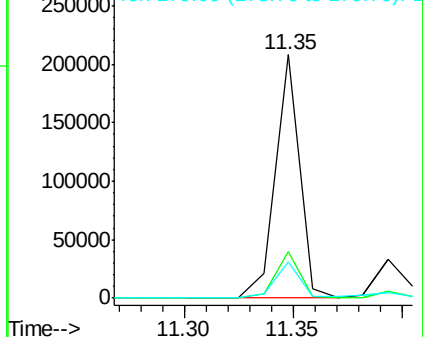
179 15.1 13.0 19.4

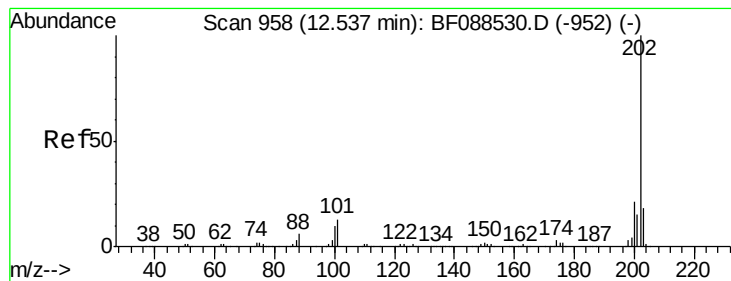


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.80 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

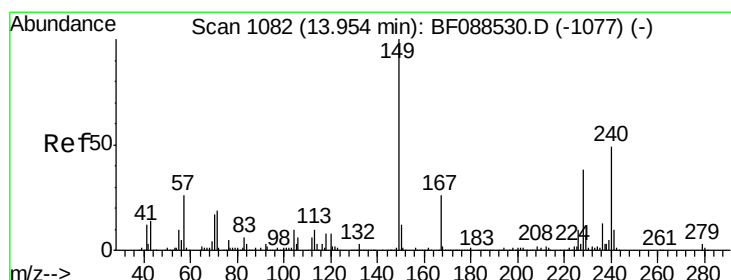
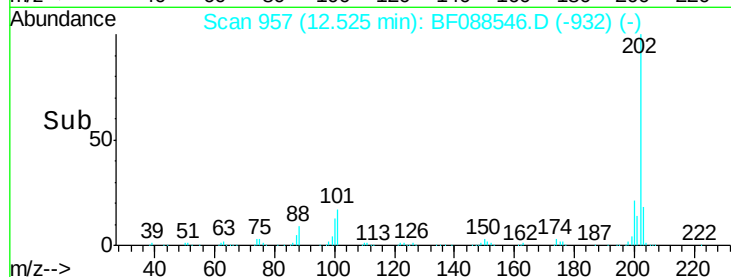
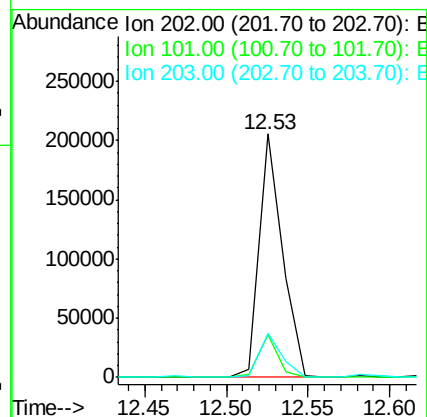
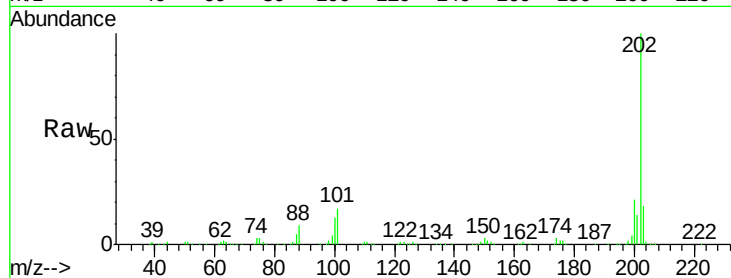
Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

Tgt Ion:	202	Resp:	203187
Ion	Ratio	Lower	Upper
202	100		
101	17.5	0.0	33.1
203	17.9	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

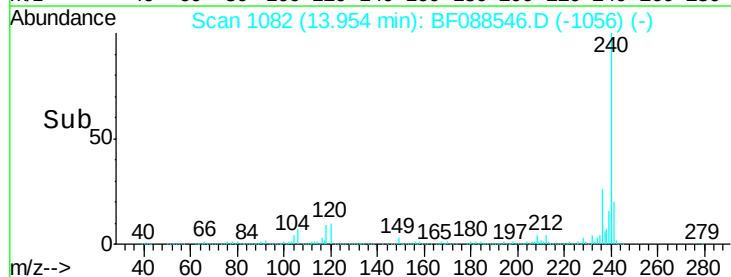
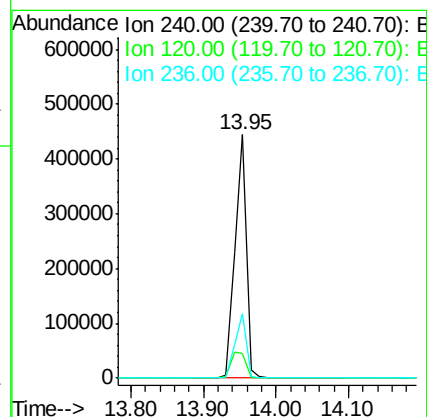
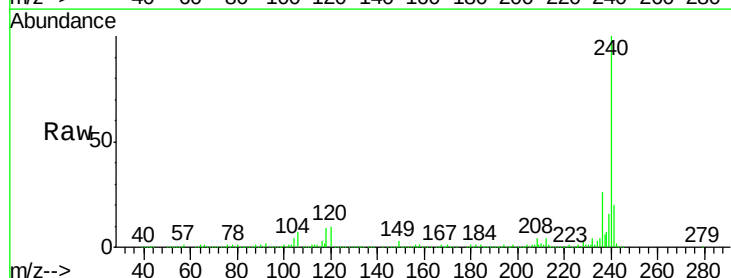
RT: 13.95 min Scan# 1082

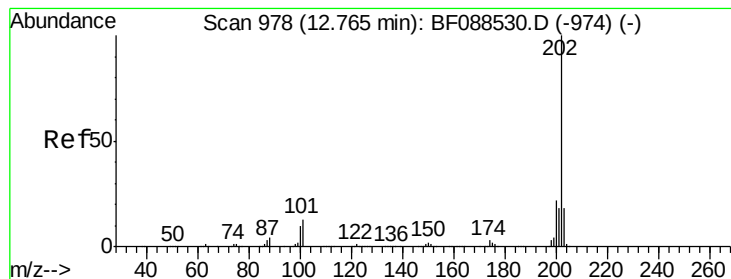
Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Tgt Ion:	240	Resp:	482892
Ion	Ratio	Lower	Upper
240	100		
120	9.9	6.8	10.2
236	26.3	20.2	30.2





#77

Pyrene

Concen: 5.10 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

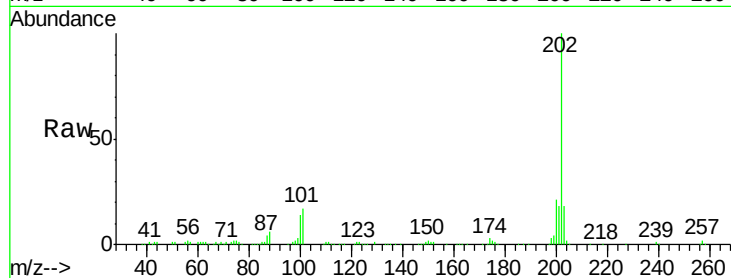
Tgt Ion: 202 Resp: 208995

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

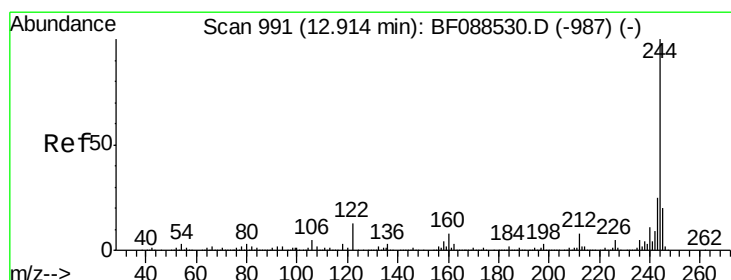
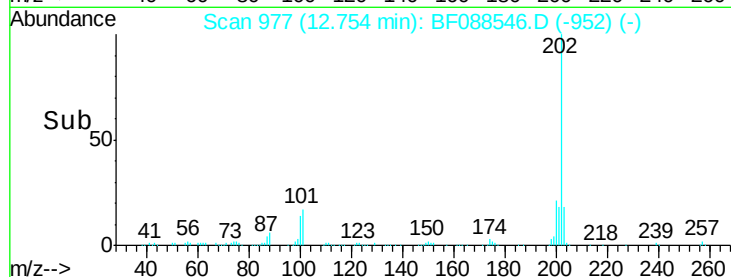
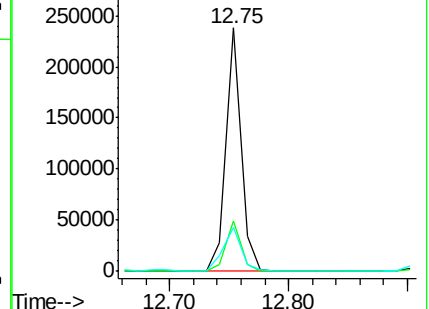
203 18.3 14.5 21.7



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: 55.74 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

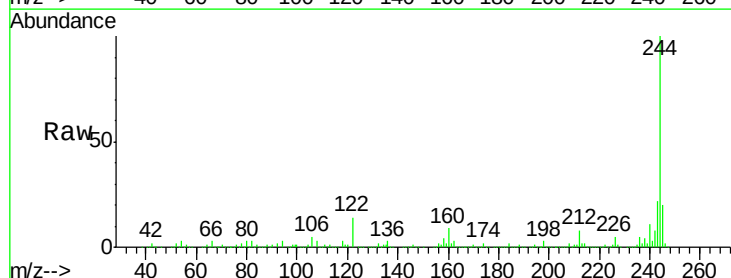
Tgt Ion: 244 Resp: 1208523

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

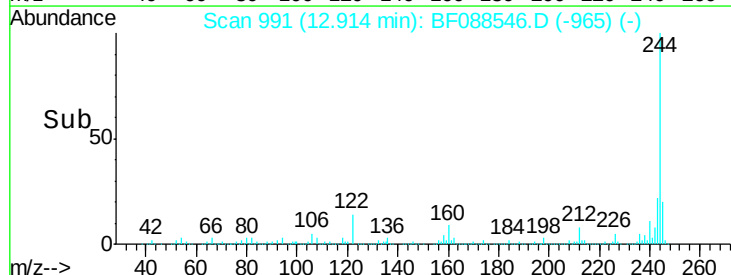
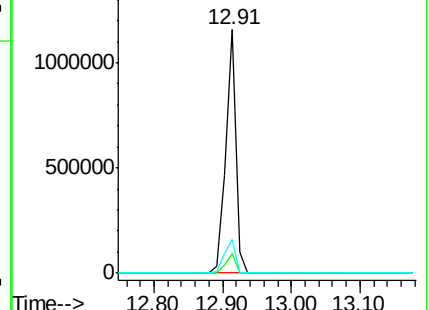
122 13.8 11.2 16.8

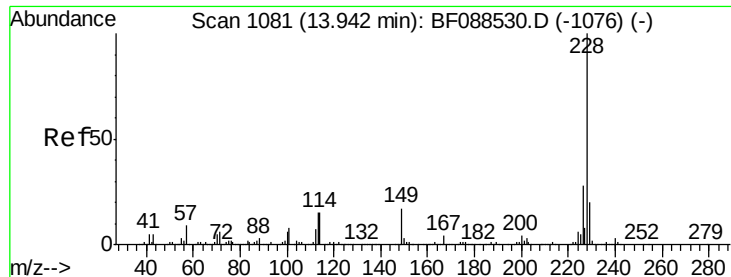


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.53 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

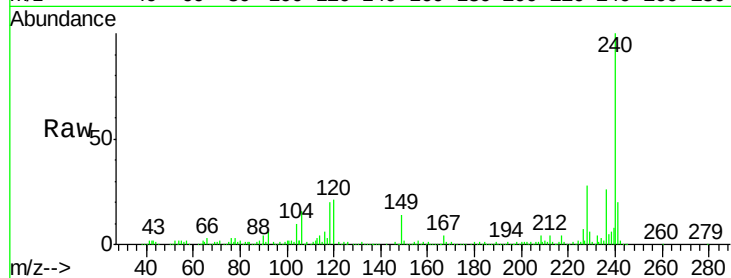
Instrument :

BNA_F

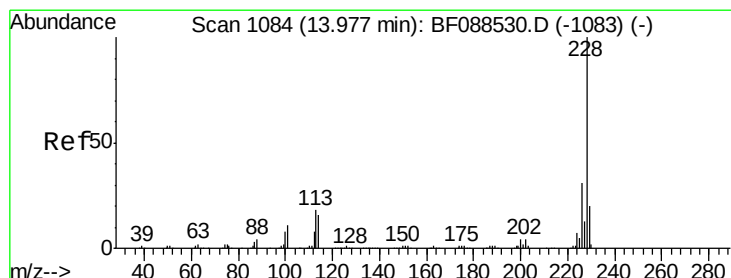
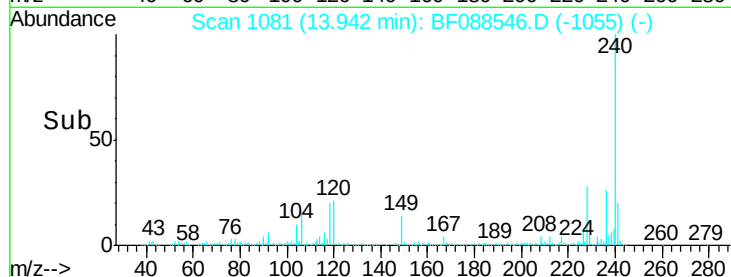
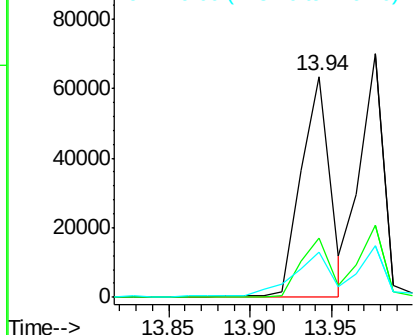
ClientSampleId :

LOCATION-5D(9-11)

Tgt Ion:	228	Resp:	78677
Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.3	33.5
229	20.4	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.56 ng

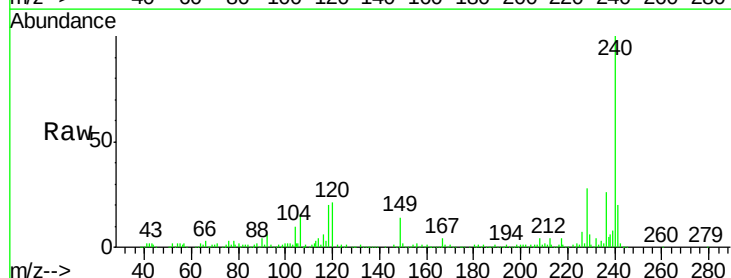
RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

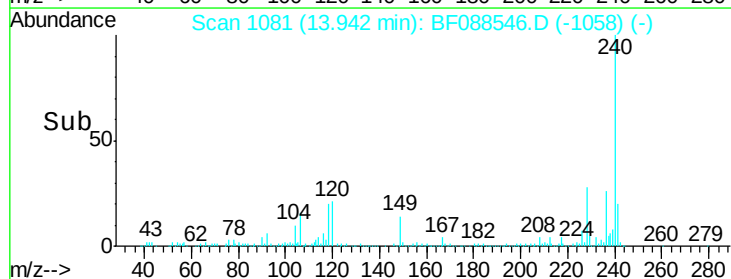
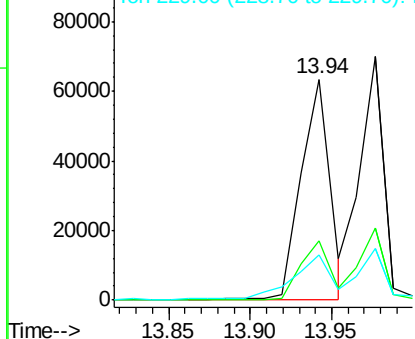
Lab File: BF088546.D

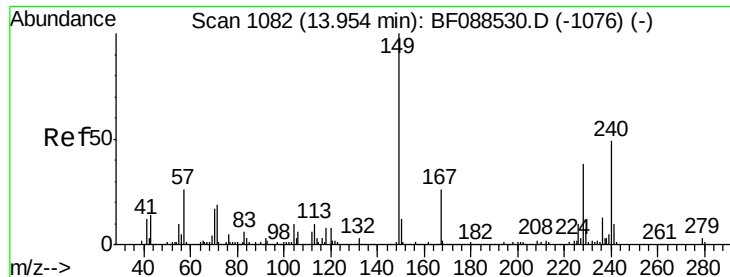
Acq: 30 Jun 2016 23:23

Tgt Ion:	228	Resp:	78677
Ion	Ratio	Lower	Upper
228	100		
226	26.9	25.4	38.2
229	20.4	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.53 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

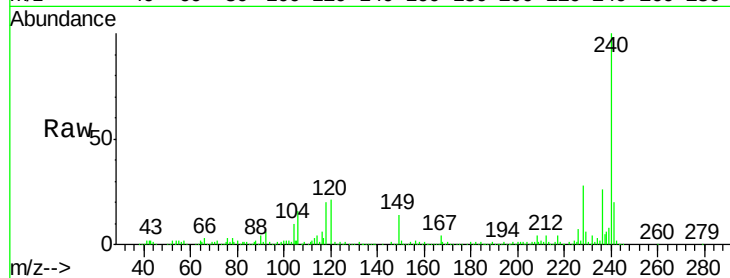
Tgt Ion:149 Resp: 52734

Ion Ratio Lower Upper

149 100

167 26.4 20.5 30.7

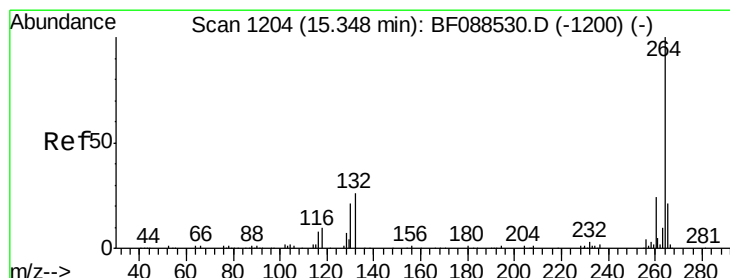
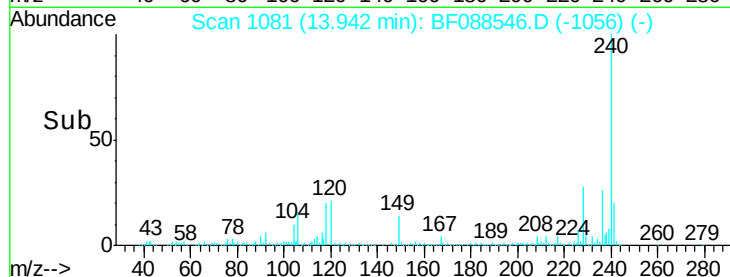
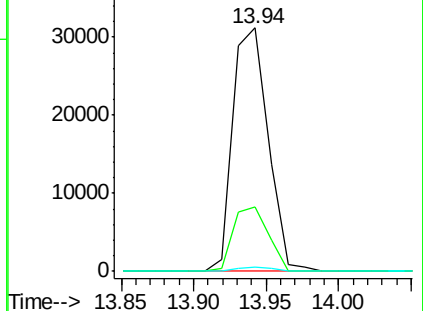
279 1.9 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

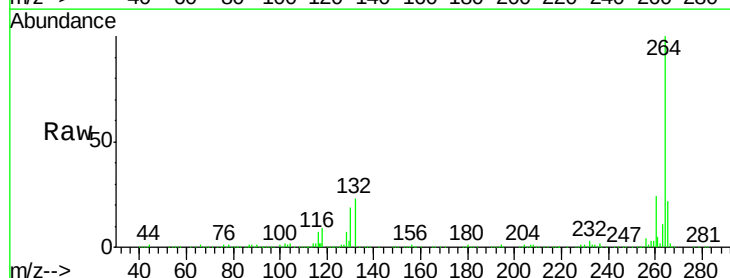
Tgt Ion:264 Resp: 387526

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

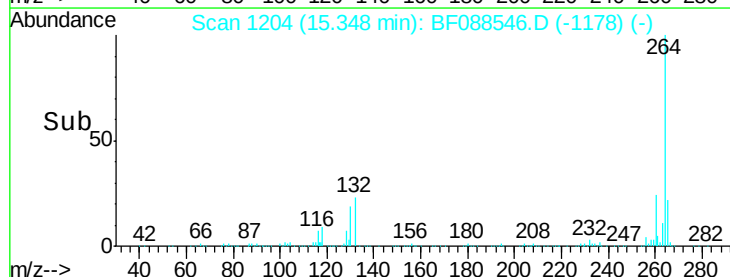
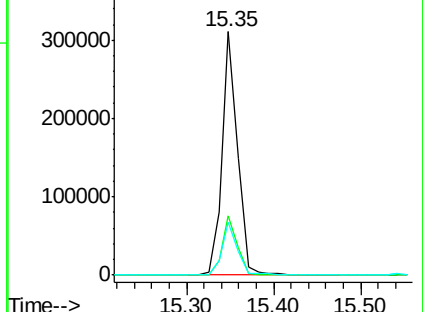
265 21.9 16.9 25.3

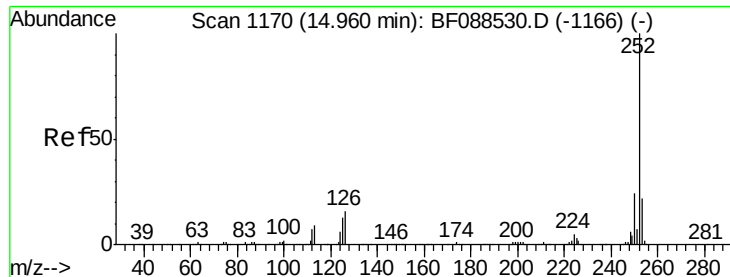


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.77 ng

RT: 14.95 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

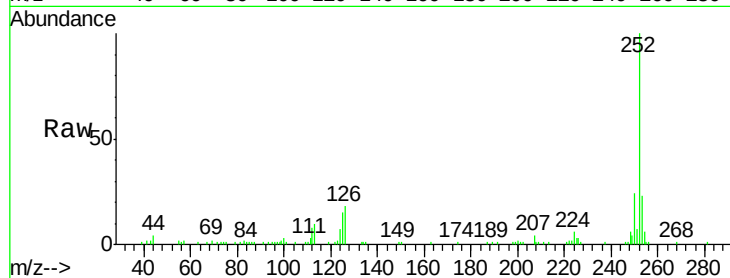
Tgt Ion:252 Resp: 91542

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

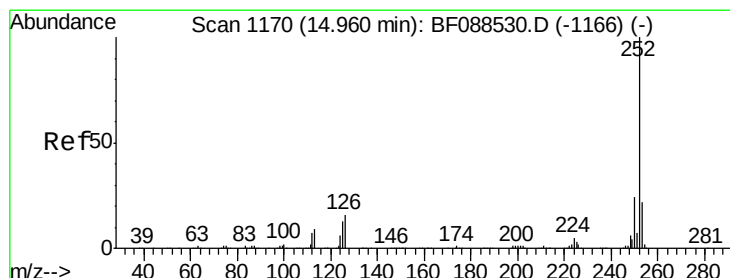
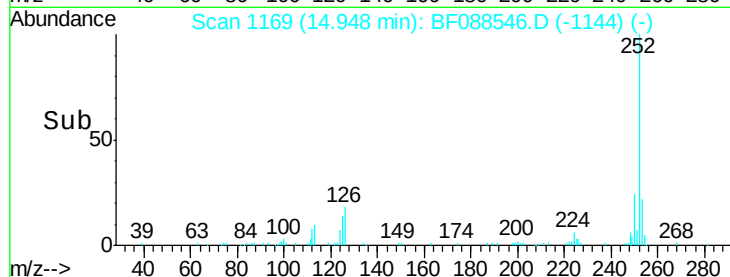
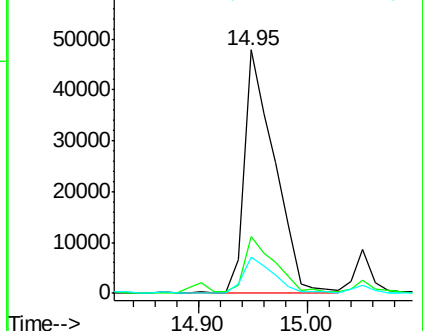
125 14.9 7.1 10.7#



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



#88

Benzo(k)fluoranthene

Concen: 4.33 ng

RT: 14.95 min Scan# 1169

Delta R.T. -0.03 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

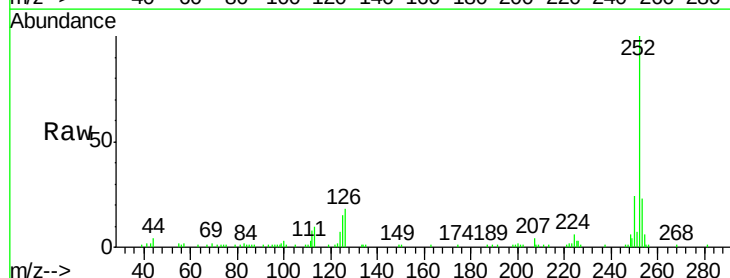
Tgt Ion:252 Resp: 91542

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 14.9 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

