

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
 Data File : BF088596.D
 Acq On : 2 Jul 2016 2:05
 Operator : UM/SJ
 Sample : H3816-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Quant Time: Jul 02 03:15:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 02 02:24:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	137802	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	499214	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	202245	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	320133	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	255275	20.00	ng	-0.01
86) Perylene-d12	15.35	264	199182	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	750193	81.59	ng	0.01
7) Phenol-d6	6.44	99	1063201	89.49	ng	0.00
23) Nitrobenzene-d5	7.37	82	614445	64.50	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	164004	87.33	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	973134	76.00	ng	0.00
78) Terphenyl-d14	12.90	244	592725	51.72	ng	0.00

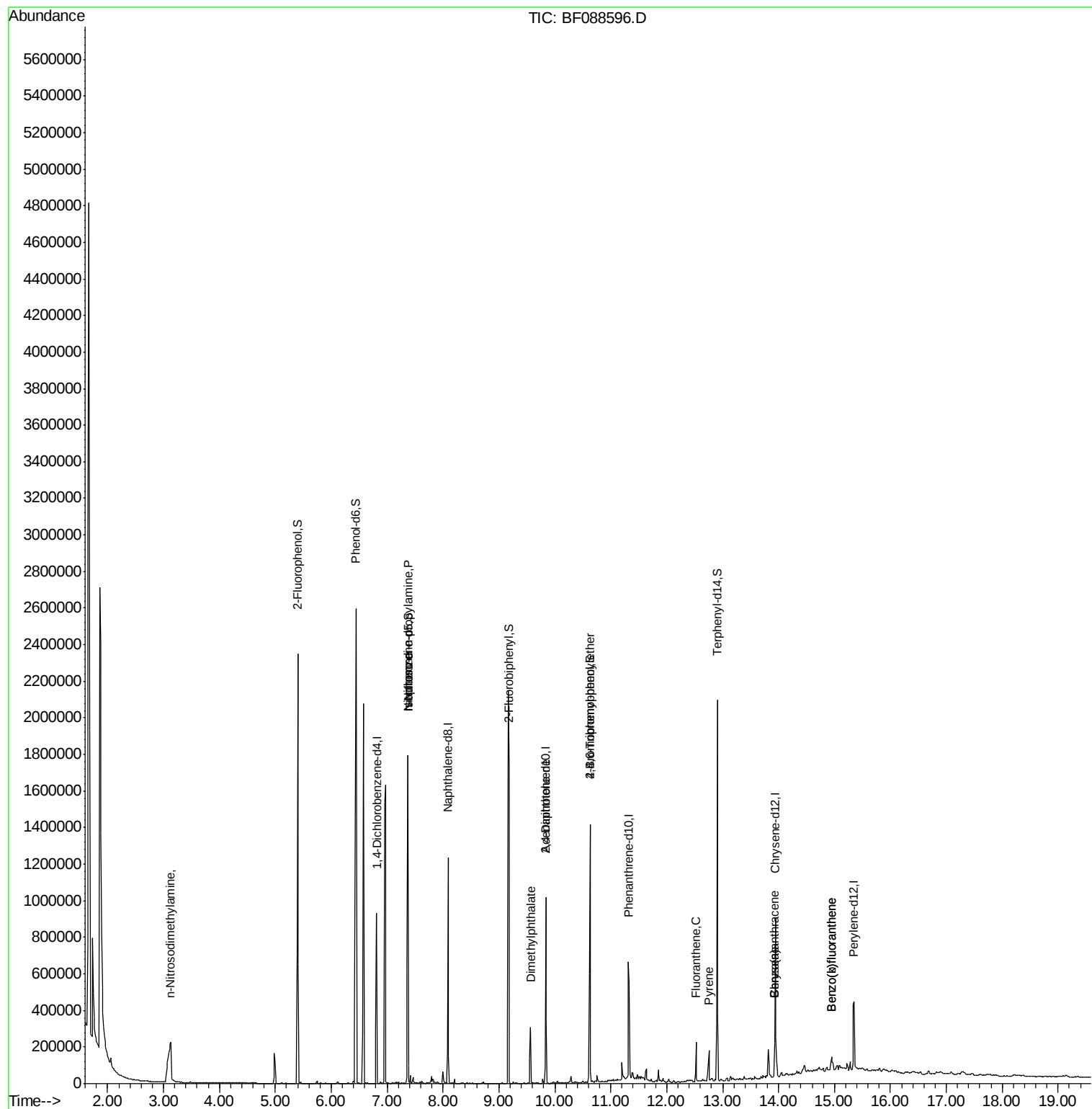
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.13	42	18686	3.70	ng	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	84484	10.59	ng	# 74
25) Isophorone	7.37	82	457202	25.91	ng	# 65
49) Dimethylphthalate	9.56	163	142893	9.92	ng	98
56) 2,4-Dinitrotoluene	9.84	165	25999	6.23	ng	# 38
66) 4-Bromophenyl-phenylether	10.63	248	11672	3.62	ng	# 1
74) Fluoranthene	12.52	202	77519	4.37	ng	96
77) Pyrene	12.75	202	75034	3.47	ng	98
80) Benzo(a)anthracene	13.93	228	39843	2.42	ng	97
82) Chrysene	13.93	228	39843	2.45	ng	97
87) Benzo(b)fluoranthene	14.95	252	45778	3.66	ng	# 90
88) Benzo(k)fluoranthene	14.95	252	45778	4.21	ng	95

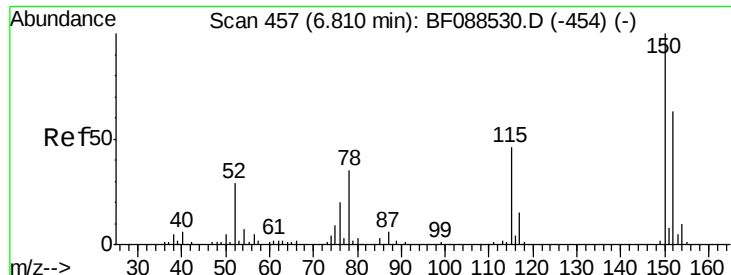
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088596.D

Acq: 2 Jul 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

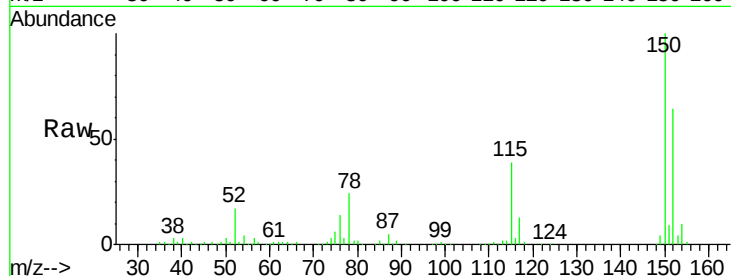
Tgt Ion:152 Resp: 137802

Ion Ratio Lower Upper

152 100

150 156.1 123.8 185.6

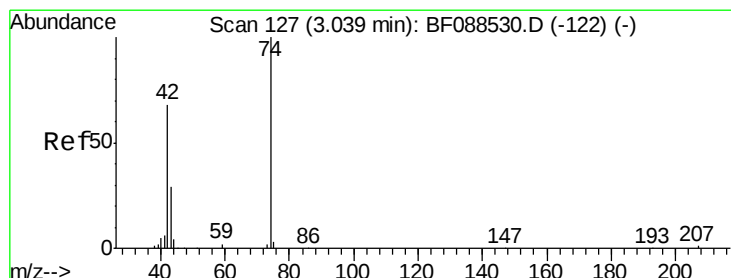
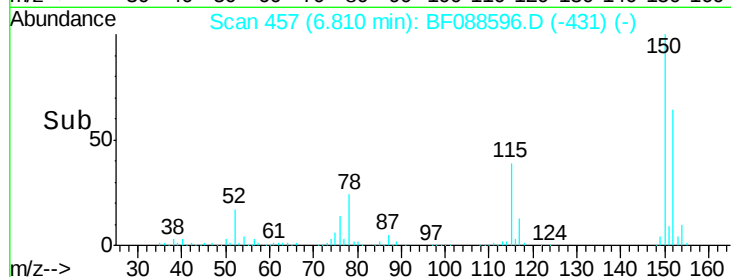
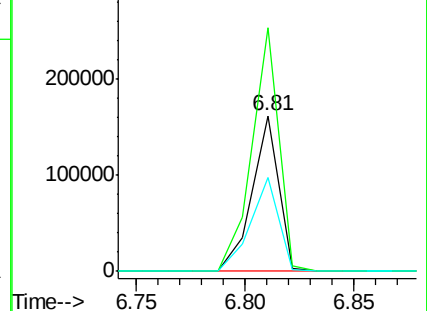
115 60.3 39.6 59.4#



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



#4

n-Nitrosodimethylamine

Concen: 3.70 ng

RT: 3.13 min Scan# 135

Delta R.T. 0.10 min

Lab File: BF088596.D

Acq: 2 Jul 2016 2:05

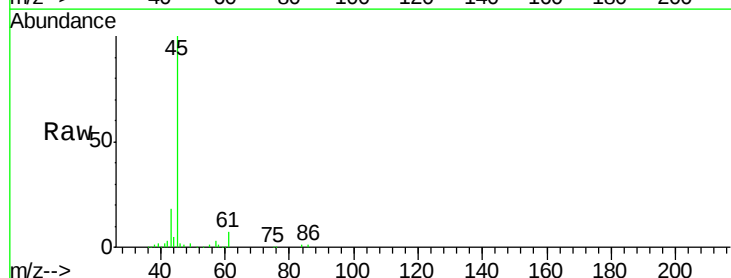
Tgt Ion: 42 Resp: 18686

Ion Ratio Lower Upper

42 100

74 0.0 108.6 163.0#

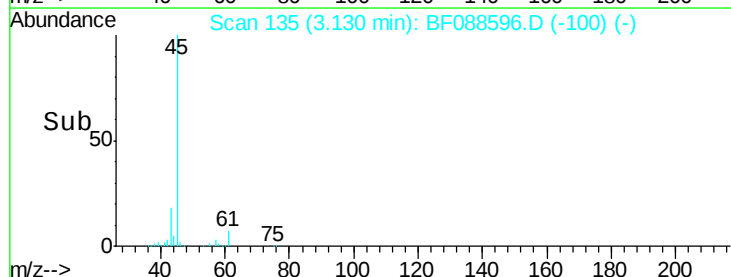
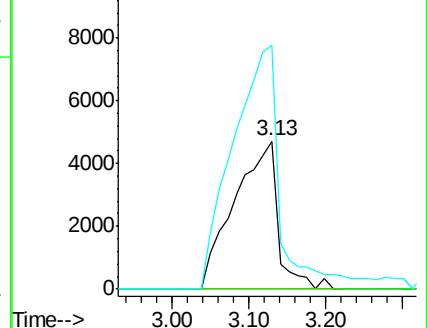
44 164.4 5.5 8.3#

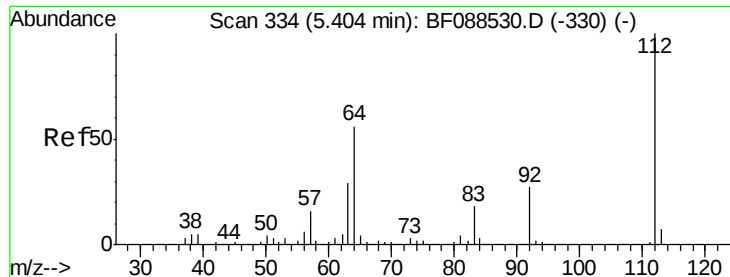


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 81.59 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.01 min

Lab File: BF088596.D

Acq: 2 Jul 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

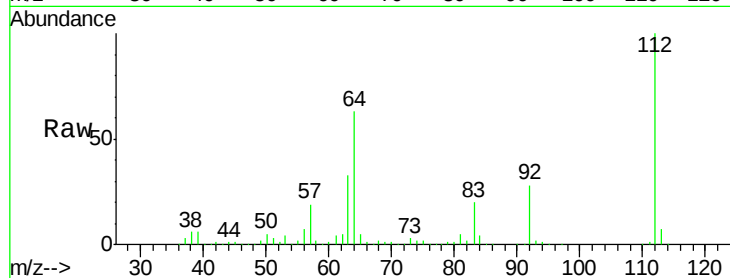
Tgt Ion: 112 Resp: 750193

Ion Ratio Lower Upper

112 100

64 62.8 42.2 63.2

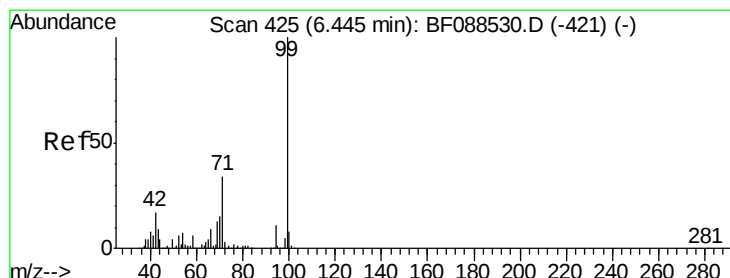
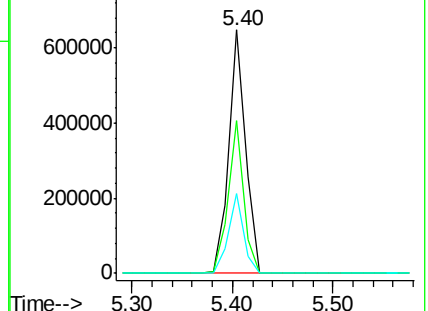
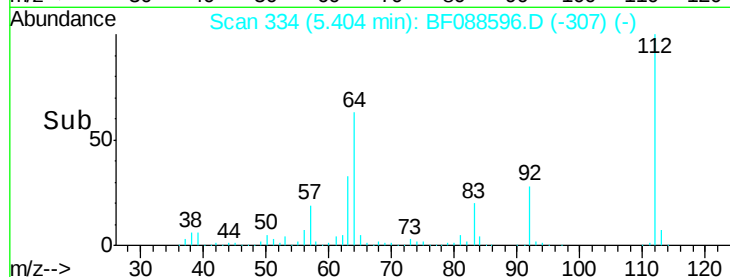
63 32.7 21.8 32.8



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: 89.49 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF088596.D

Acq: 2 Jul 2016 2:05

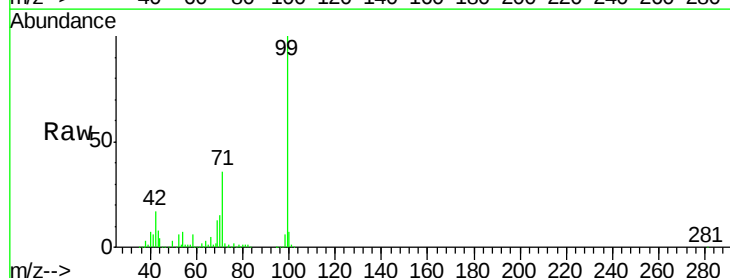
Tgt Ion: 99 Resp: 1063201

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

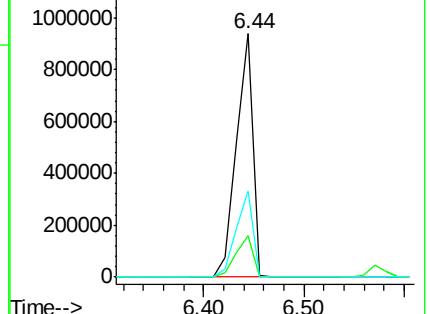
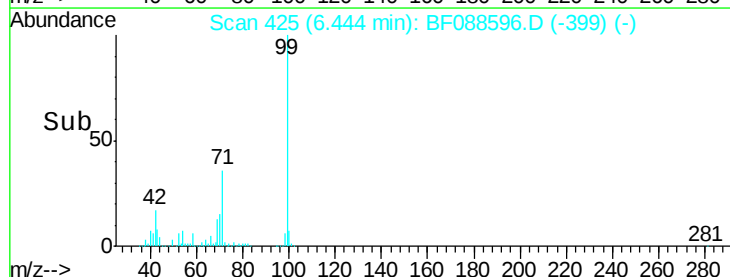
71 35.6 23.4 35.0#

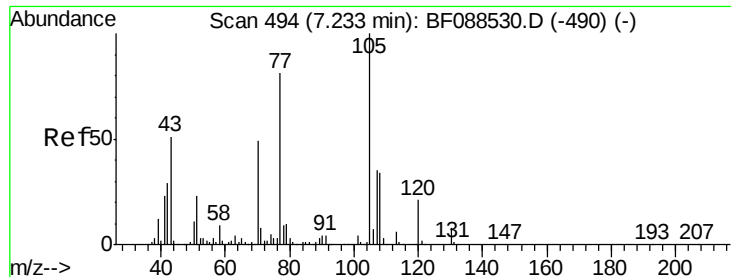


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

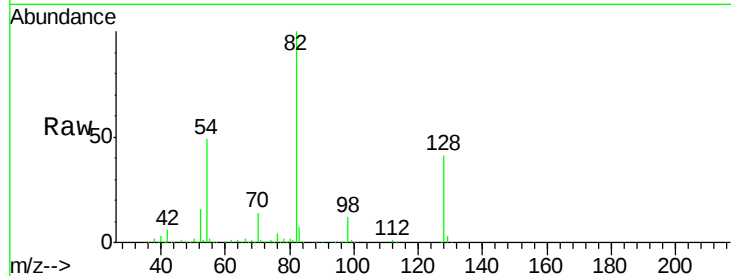




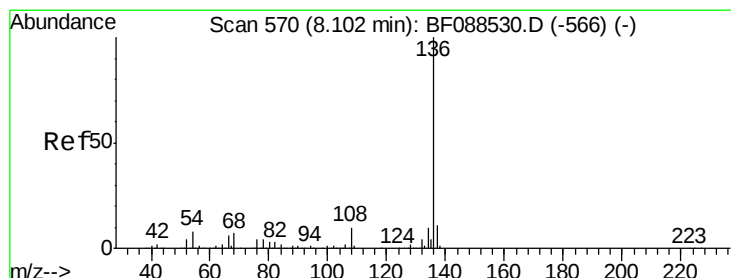
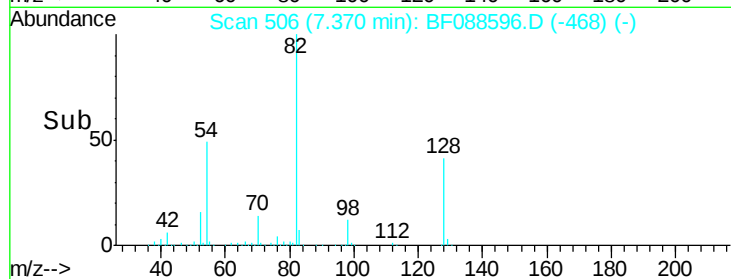
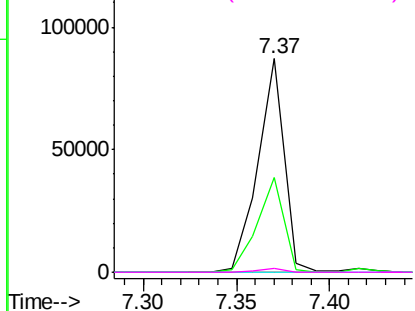
#19
n-Nitroso-di-n-propylamine
Concen: 10.59 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 70 Resp: 84484
Ion Ratio Lower Upper
70 100
42 44.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.1 15.4 23.2#



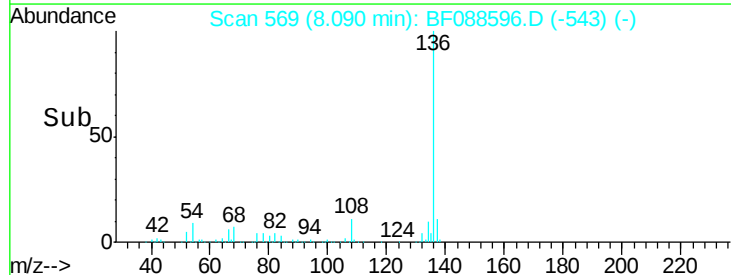
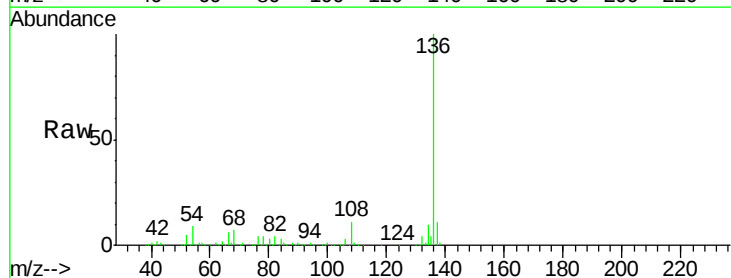
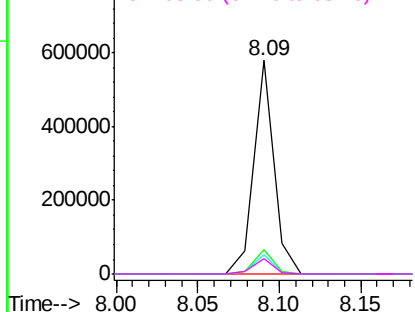
Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

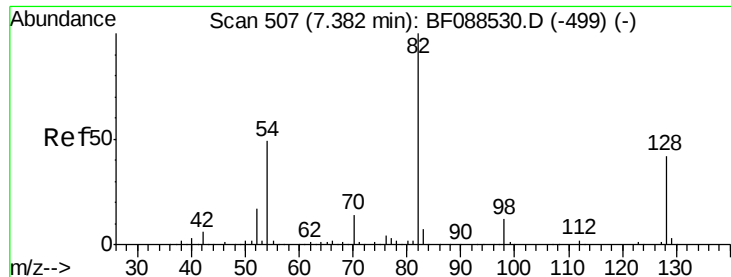


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Tgt Ion:136 Resp: 499214
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 9.0 6.6 10.0
68 7.5 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

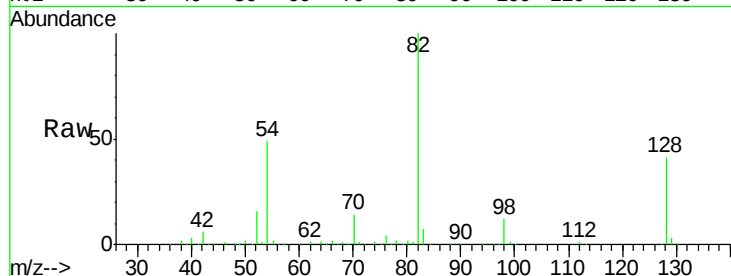




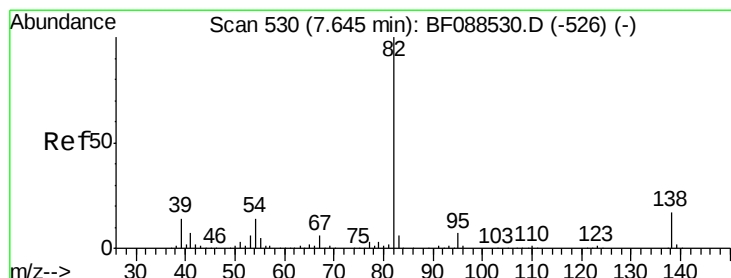
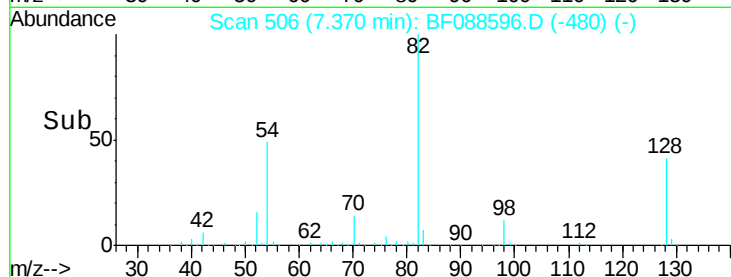
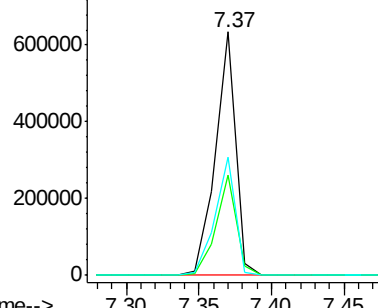
#23
 Nitrobenzene-d5
 Concen: 64.50 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: BF088596.D
 Acq: 2 Jul 2016 2:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Tgt Ion: 82 Resp: 614445
 Ion Ratio Lower Upper
 82 100
 128 41.3 35.9 53.9
 54 48.5 40.9 61.3

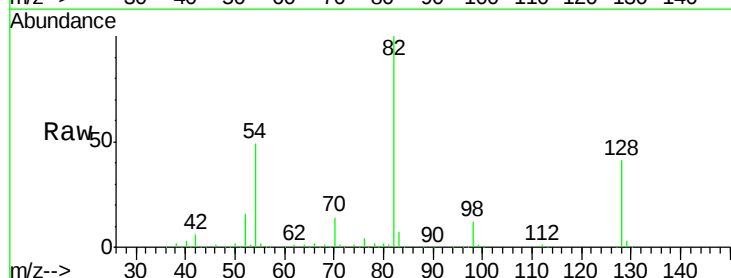


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

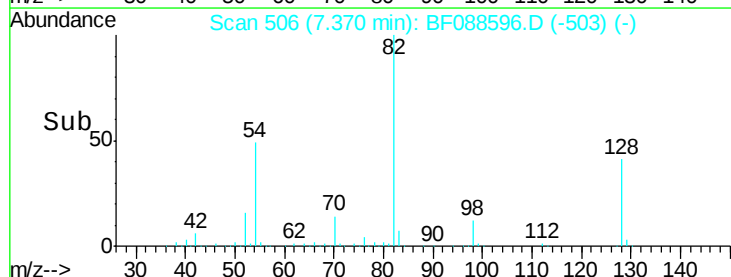
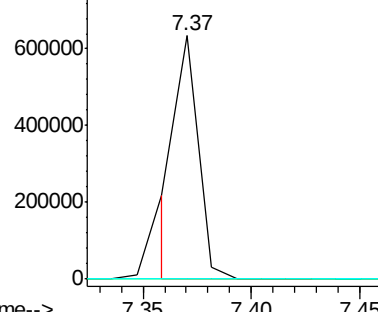


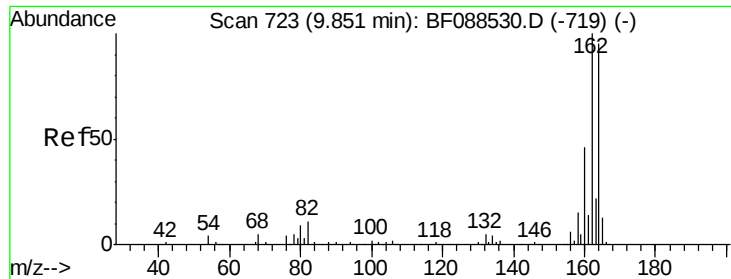
#25
 Isophorone
 Concen: 25.91 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.26 min
 Lab File: BF088596.D
 Acq: 2 Jul 2016 2:05

Tgt Ion: 82 Resp: 457202
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#



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): BF0

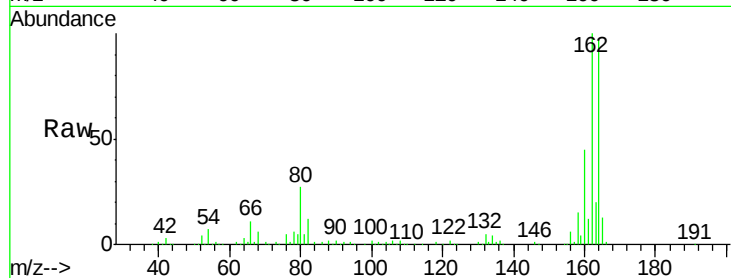




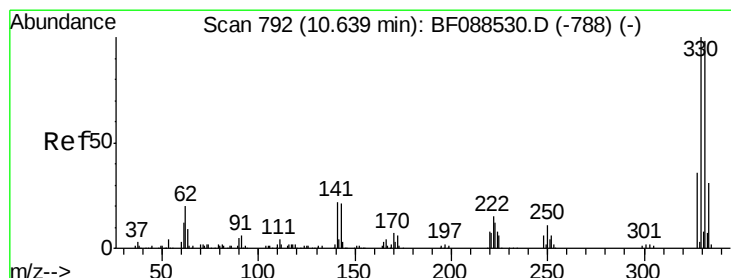
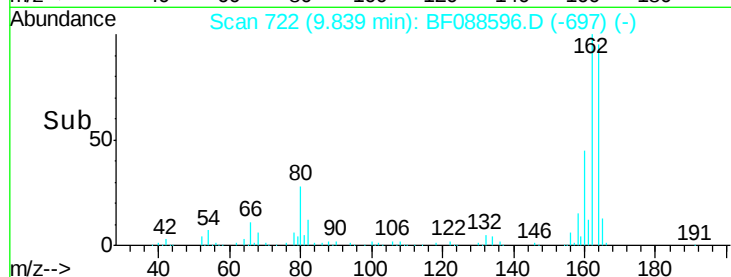
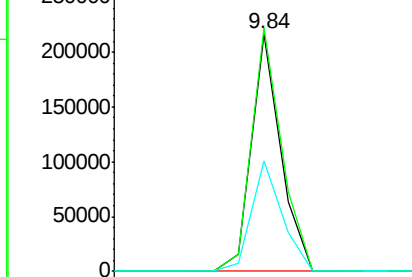
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:164 Resp: 202245
Ion Ratio Lower Upper
164 100
162 102.6 85.4 128.2
160 46.3 39.5 59.3

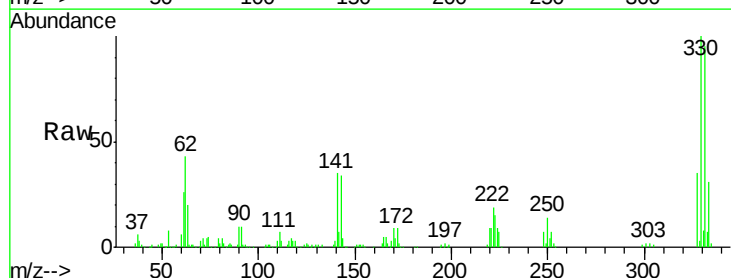


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

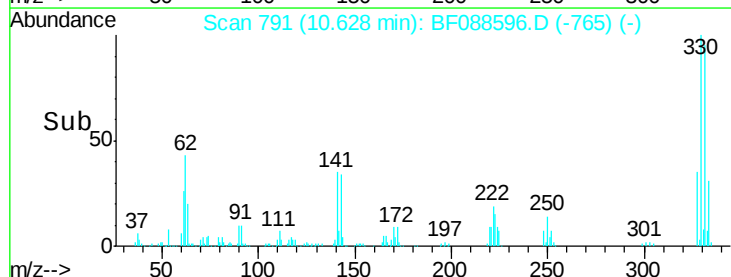
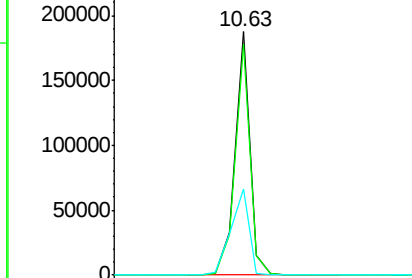


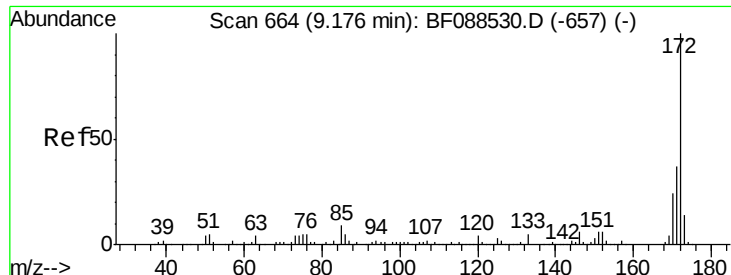
#41
2,4,6-Tribromophenol
Concen: 87.33 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Tgt Ion:330 Resp: 164004
Ion Ratio Lower Upper
330 100
332 95.4 0.0 0.0#
141 42.8 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

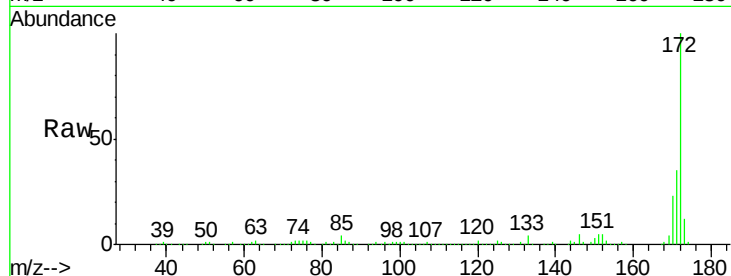




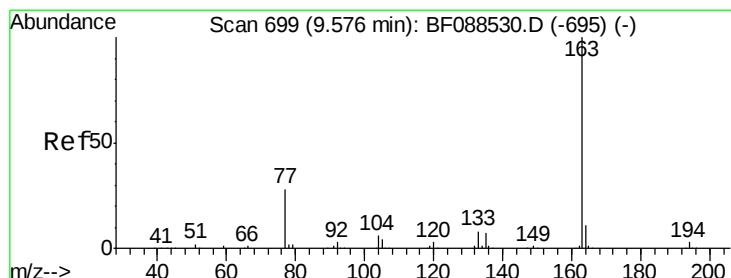
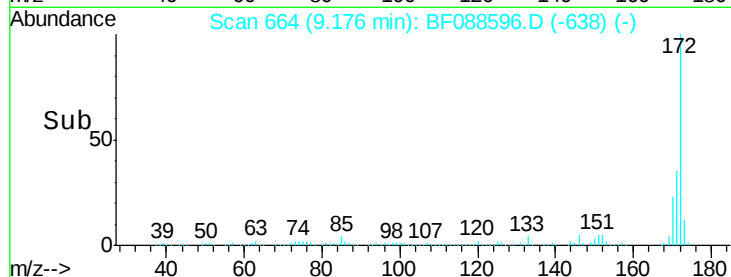
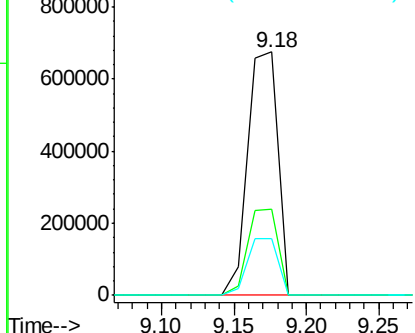
#44
2-Fluorobiphenyl
Concen: 76.00 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.00 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

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BNA_F
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Tgt Ion:172 Resp: 973134
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.5 19.2 28.8

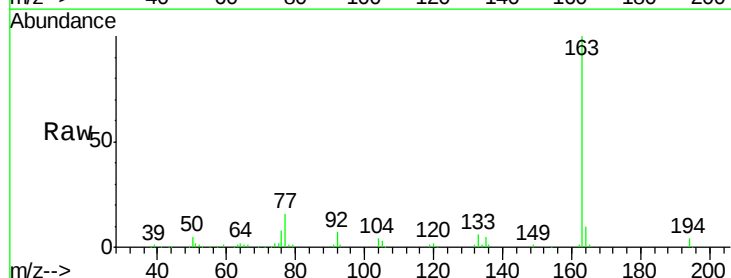


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

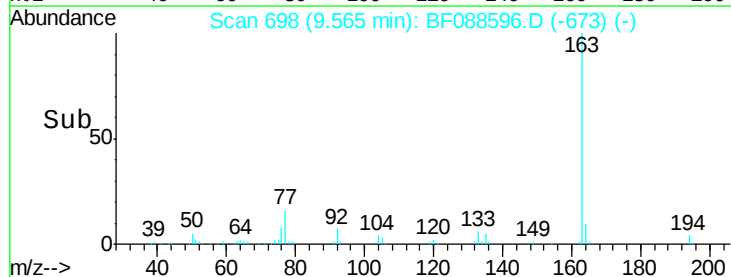
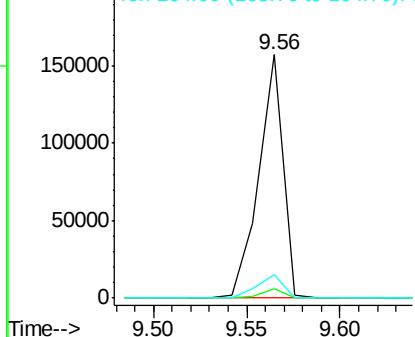


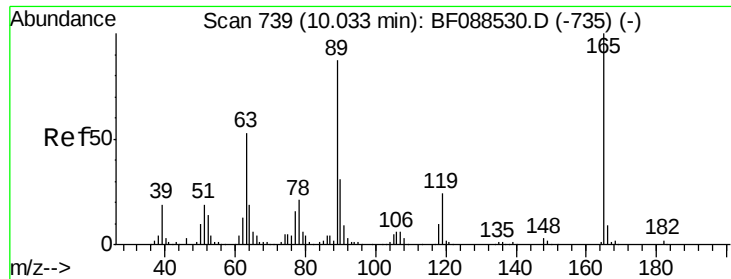
#49
Dimethylphthalate
Concen: 9.92 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Tgt Ion:163 Resp: 142893
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 9.5 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

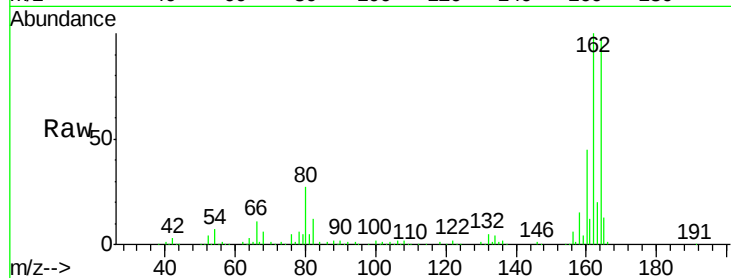




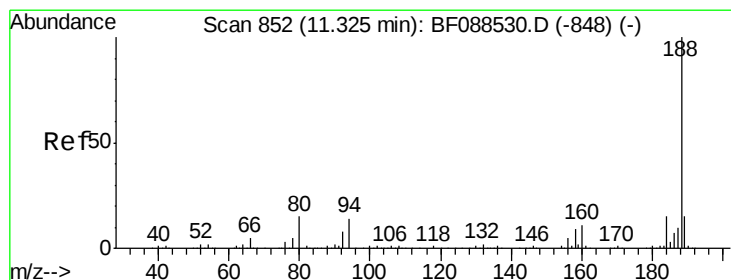
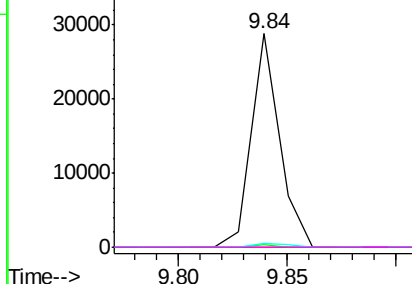
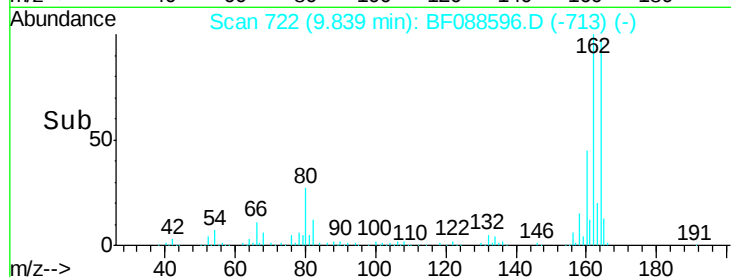
#56
2,4-Dinitrotoluene
Concen: 6.23 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.19 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Instrument :
BNA_F
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Tgt Ion:165 Resp: 25999
Ion Ratio Lower Upper
165 100
63 1.4 22.0 33.0#
89 1.8 41.1 61.7#
182 0.0 2.0 3.0#

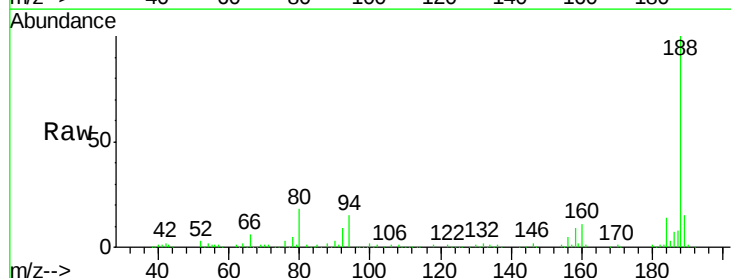


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

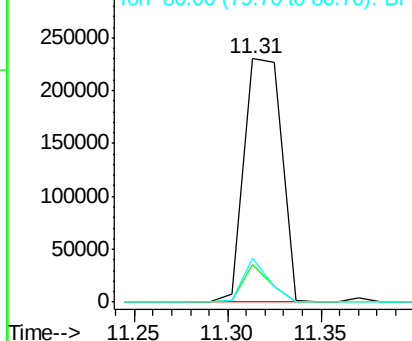
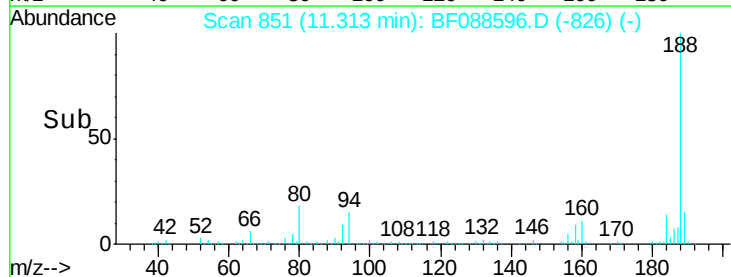


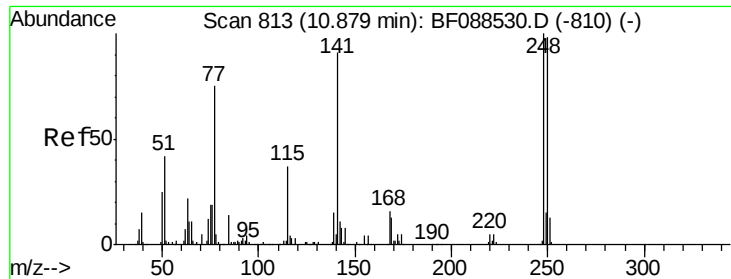
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Tgt Ion:188 Resp: 320133
Ion Ratio Lower Upper
188 100
94 15.4 9.0 13.6#
80 18.3 10.0 15.0#



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

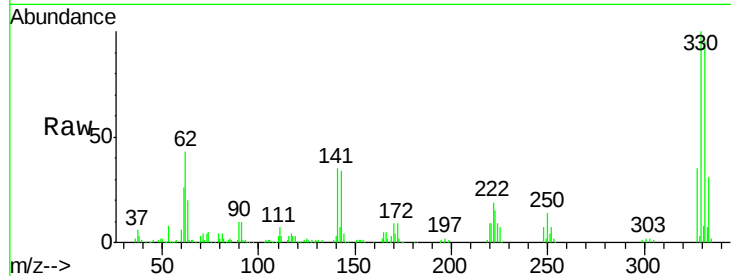




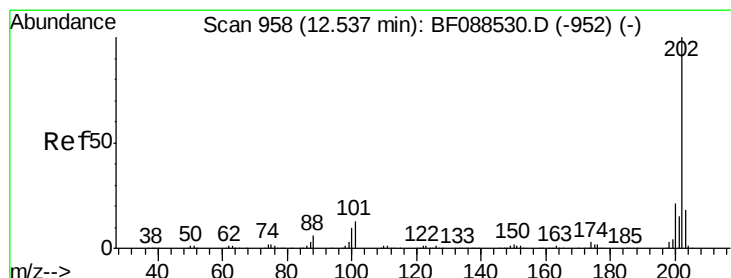
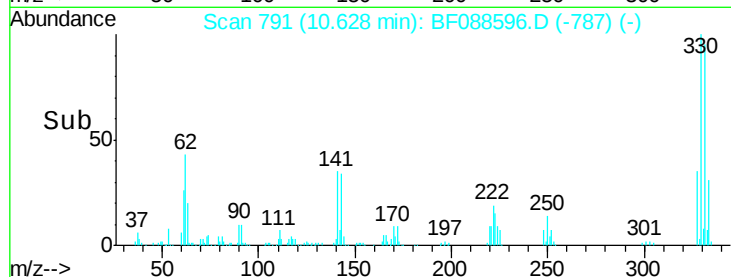
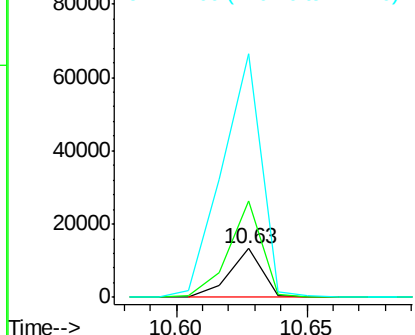
#66
4-Bromophenyl-phenylether
Concen: 3.62 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.25 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tgt Ion:248 Resp: 11672
Ion Ratio Lower Upper
248 100
250 197.8 77.1 115.7#
141 498.9 50.6 76.0#

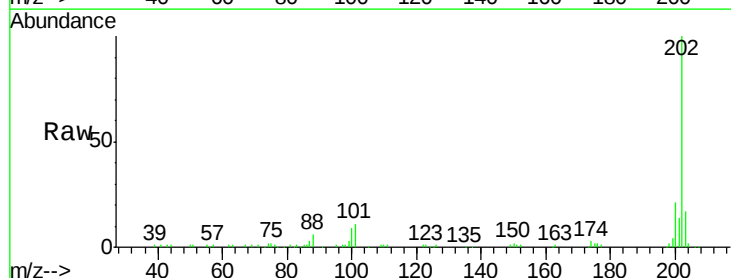


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

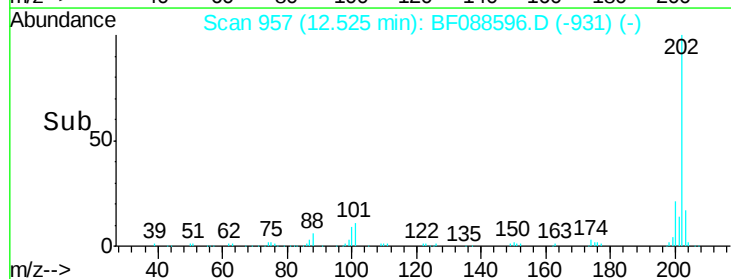
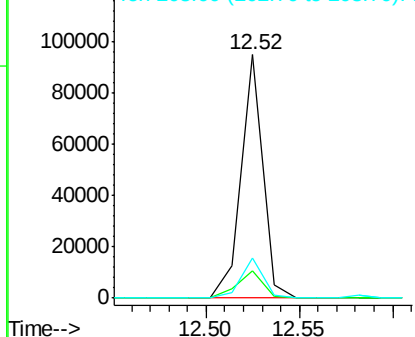


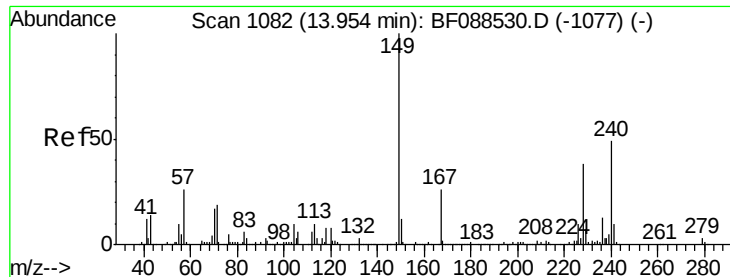
#74
Fluoranthene
Concen: 4.37 ng
RT: 12.52 min Scan# 957
Delta R.T. -0.00 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Tgt Ion:202 Resp: 77519
Ion Ratio Lower Upper
202 100
101 11.4 0.0 33.1
203 16.7 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: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088596.D

Acq: 2 Jul 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

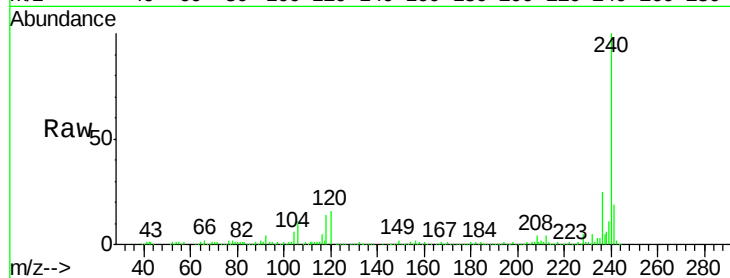
Tgt Ion:240 Resp: 255275

Ion Ratio Lower Upper

240 100

120 15.6 6.8 10.2#

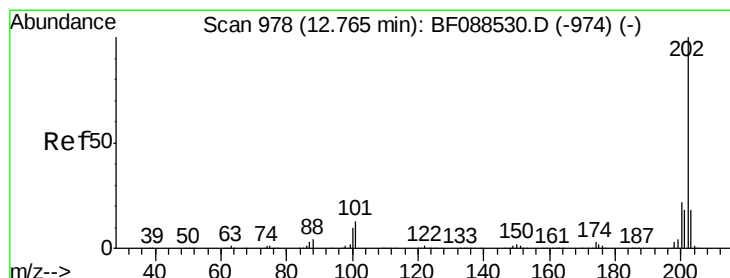
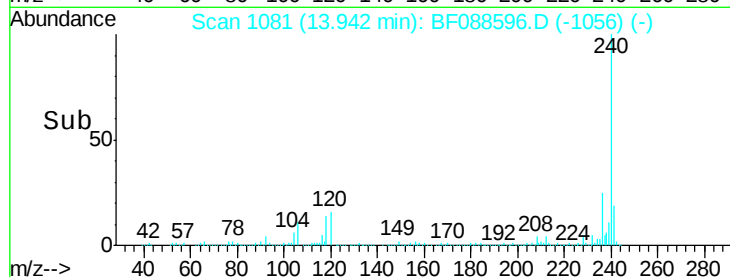
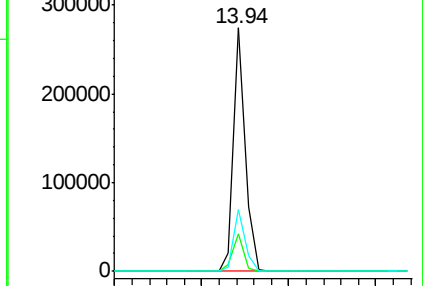
236 25.5 20.2 30.2



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: 3.47 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.00 min

Lab File: BF088596.D

Acq: 2 Jul 2016 2:05

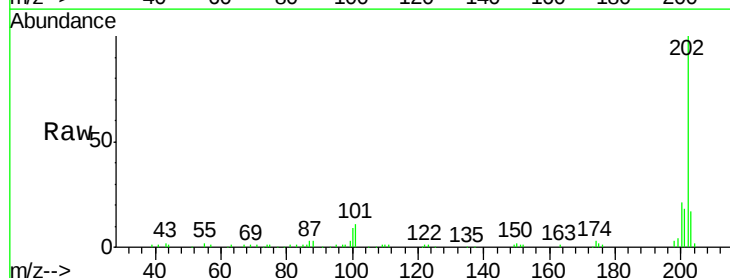
Tgt Ion:202 Resp: 75034

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

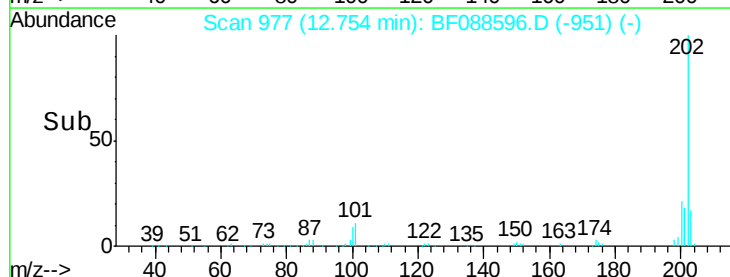
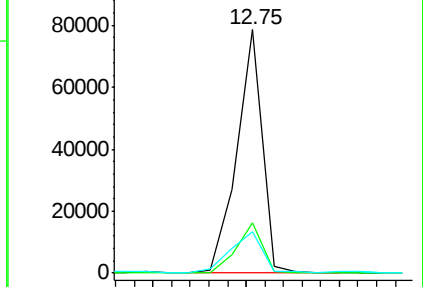
203 17.2 14.5 21.7

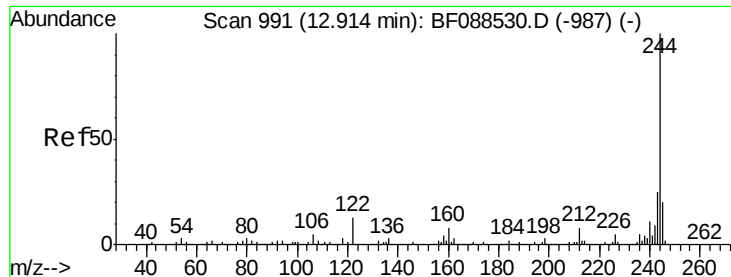


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

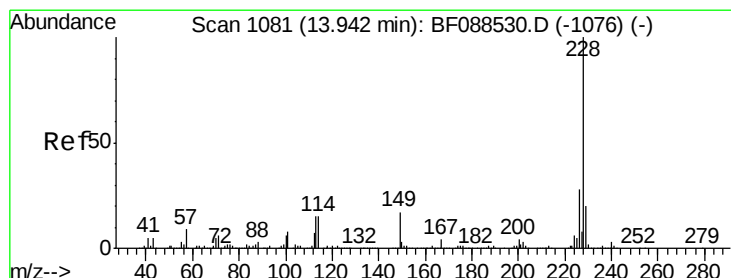
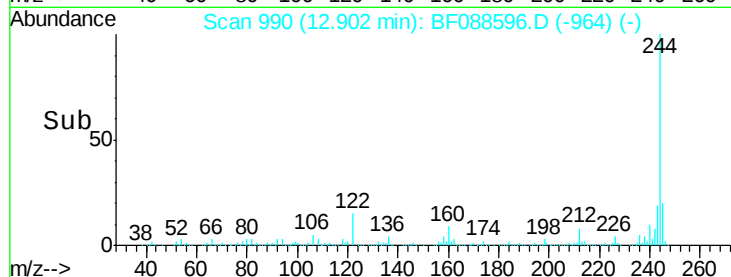
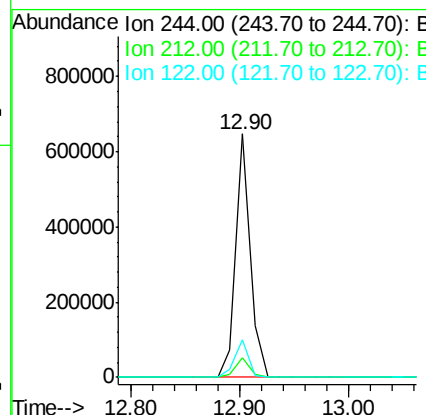
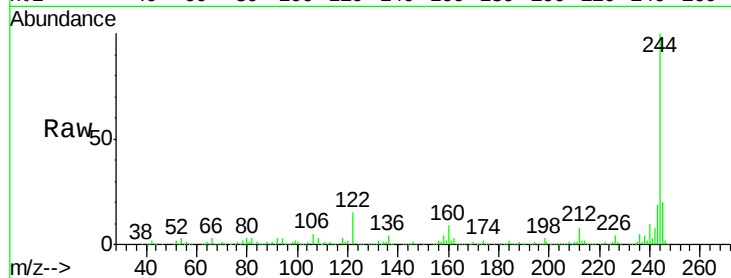




#78
 Terphenyl-d14
 Concen: 51.72 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BF088596.D
 Acq: 2 Jul 2016 2:05

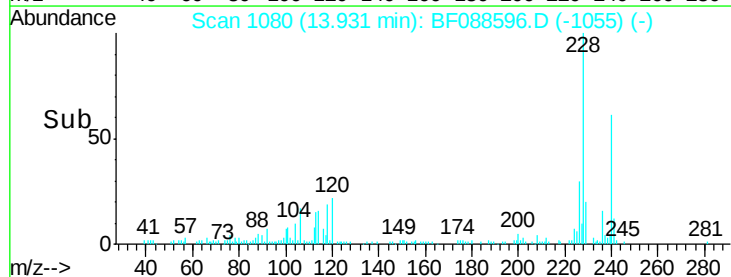
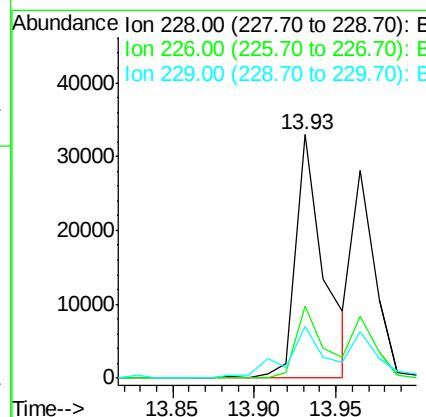
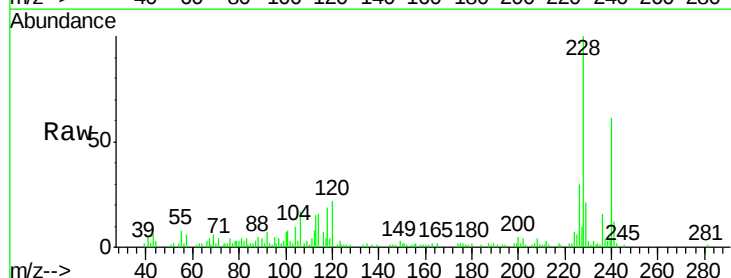
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

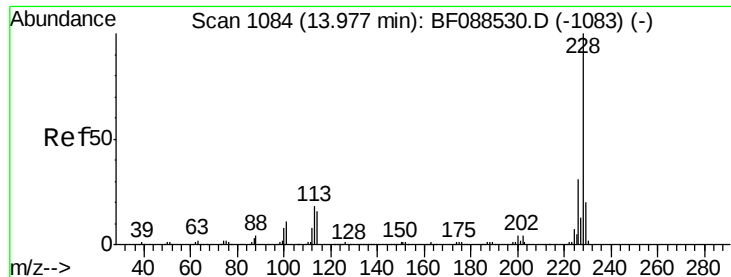
Tgt Ion:244 Resp: 592725
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 15.2 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 2.42 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: BF088596.D
 Acq: 2 Jul 2016 2:05

Tgt Ion:228 Resp: 39843
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.3 33.5
 229 21.2 16.0 24.0





#82

Chrysene

Concen: 2.45 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF088596.D

Acq: 2 Jul 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

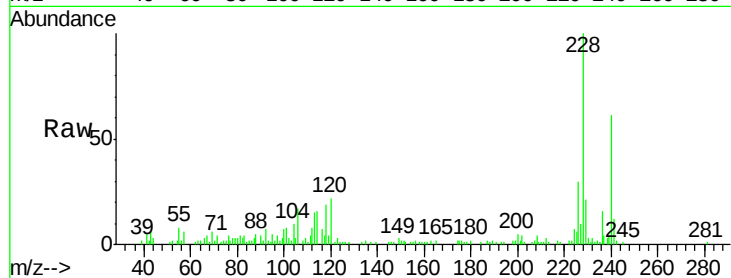
Tgt Ion:228 Resp: 39843

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.2

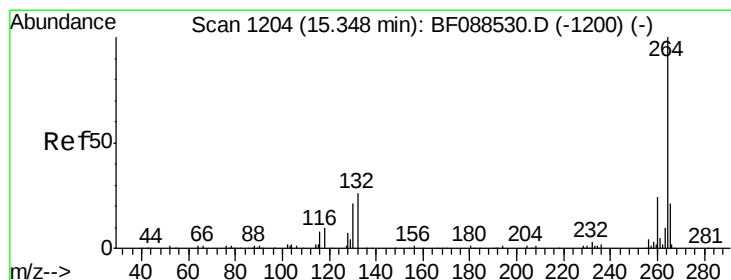
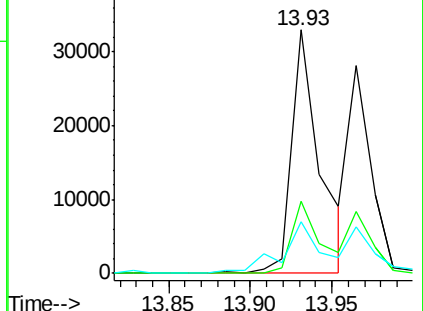
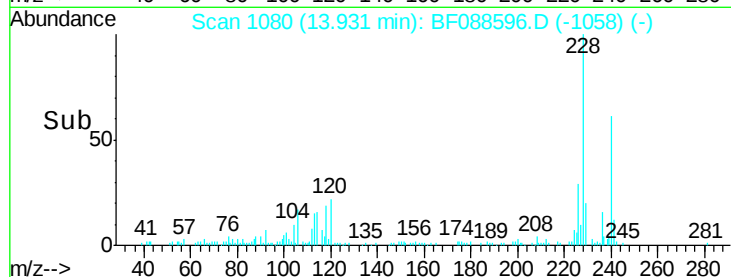
229 21.2 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF088596.D

Acq: 2 Jul 2016 2:05

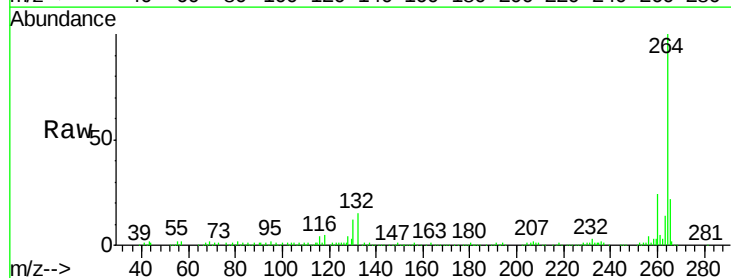
Tgt Ion:264 Resp: 199182

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

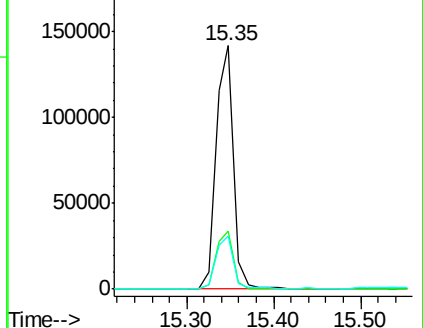
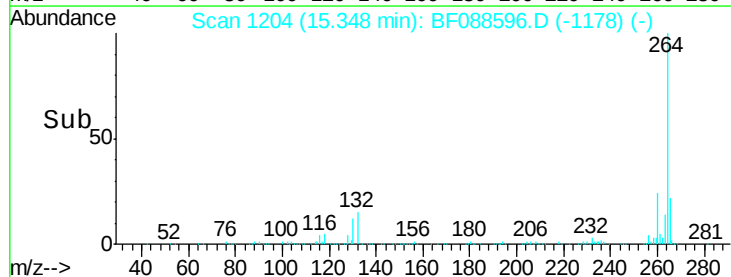
265 21.8 16.9 25.3

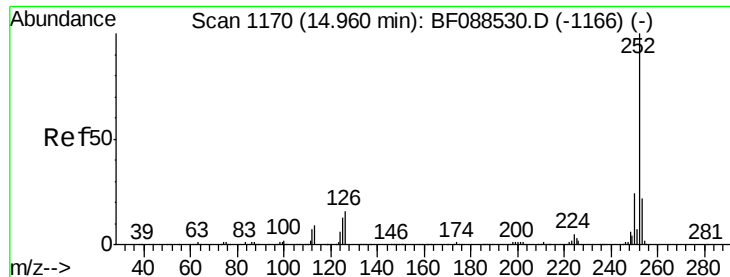


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

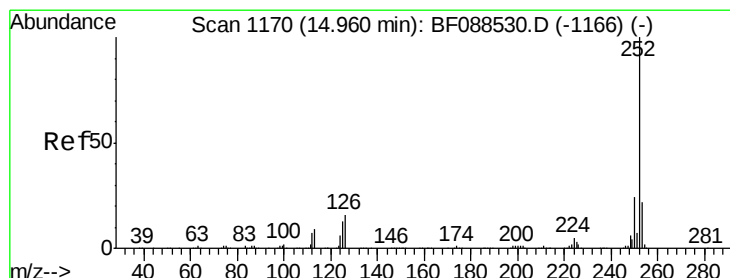
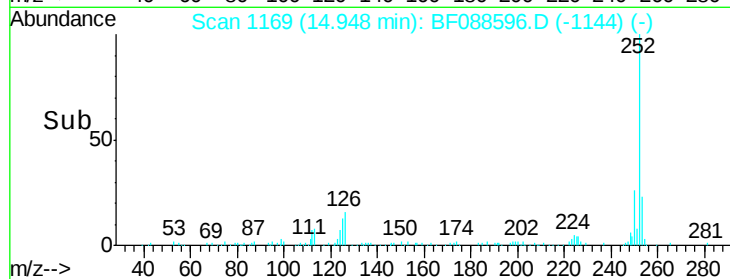
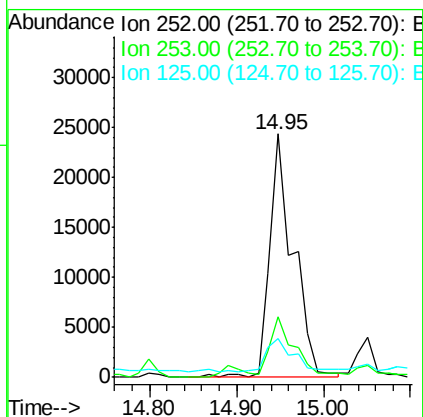
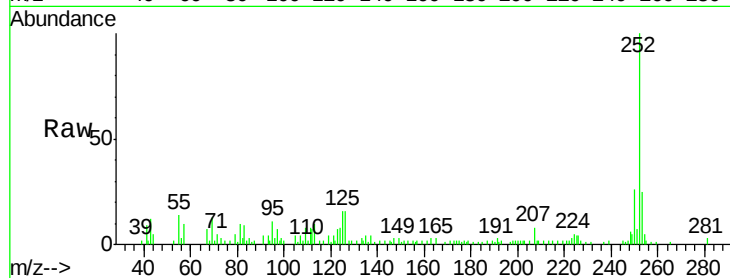




#87
Benzo(b)fluoranthene
Concen: 3.66 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tgt Ion:252 Resp: 45778
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 15.9 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 4.21 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088596.D
Acq: 2 Jul 2016 2:05

Tgt Ion:252 Resp: 45778
Ion Ratio Lower Upper
252 100
253 24.8 18.0 27.0
125 15.9 11.2 16.8

