

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091277.D
 Acq On : 23 Nov 2016 15:51
 Operator : UM/SJ
 Sample : H5723-02 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T12-13-8HCOMP-1

Quant Time: Nov 23 23:58:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	193691	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	699015	20.00	ng	-0.01
38) Acenaphthene-d10	9.92	164	400587	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	558905	20.00	ng	0.00
75) Chrysene-d12	14.03	240	532001	20.00	ng	-0.01
86) Perylene-d12	15.47	264	460114	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	282410	23.43	ng	-0.01
7) Phenol-d6	6.49	99	356565	23.02	ng	-0.01
23) Nitrobenzene-d5	7.44	82	206666	17.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	78581	19.45	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	423269	17.30	ng	0.00
78) Terphenyl-d14	12.98	244	557028	23.91	ng	-0.01

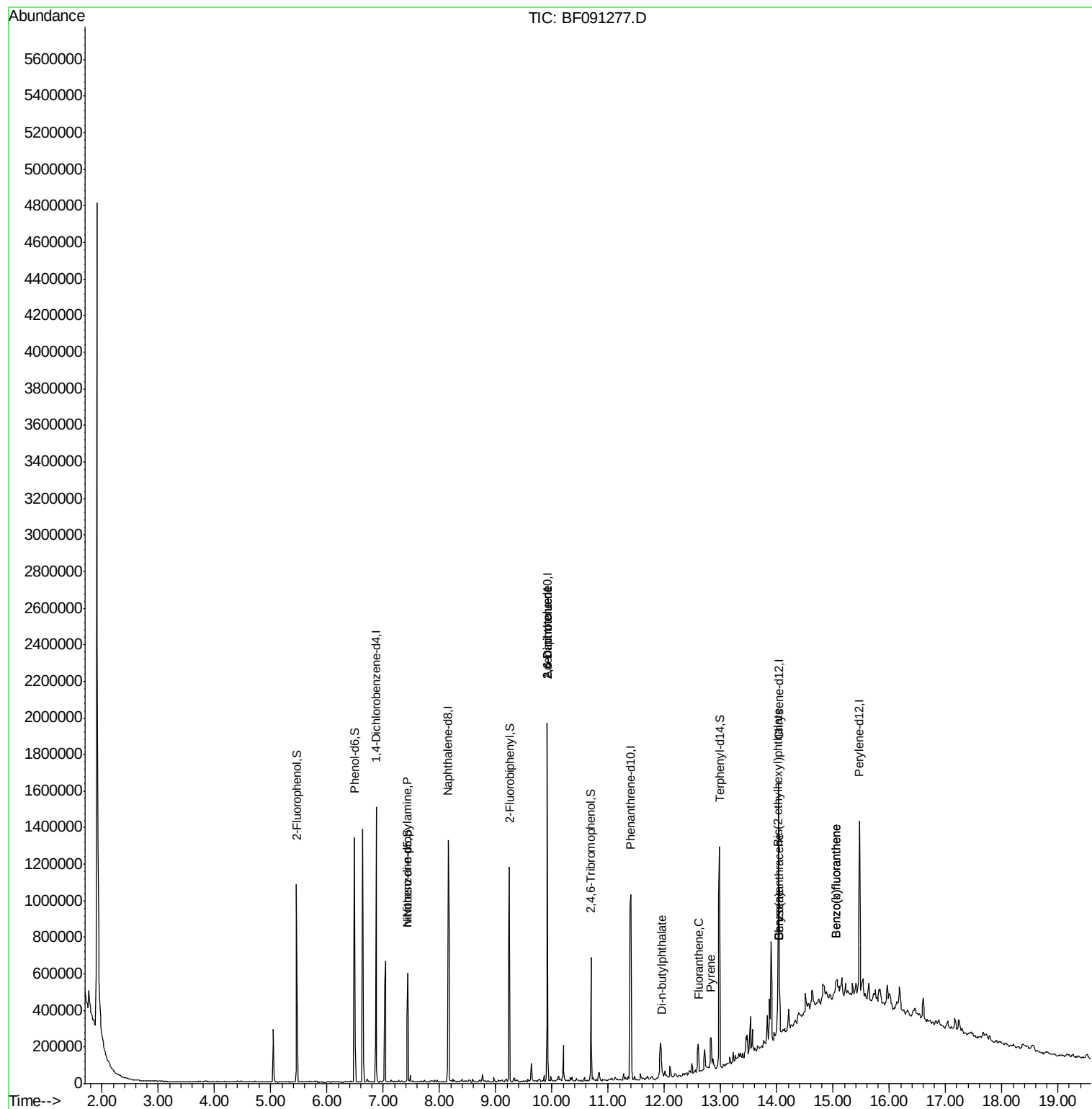
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	890	Below Cal		89
19) n-Nitroso-di-n-propylamine	7.44	70	27392	2.82 ng	#	68
50) 2,6-Dinitrotoluene	9.92	165	51786	9.48 ng	#	17
56) 2,4-Dinitrotoluene	9.92	165	51777	7.49 ng	#	34
73) Di-n-butylphthalate	11.95	149	65624	2.15 ng		99
74) Fluoranthene	12.60	202	102690	3.48 ng		98
77) Pyrene	12.83	202	115507	2.94 ng		98
80) Benzo(a)anthracene	14.04	228	157379	5.21 ng		95
82) Chrysene	14.04	228	157379	5.52 ng		99
83) Bis(2-ethylhexyl)phthalate	14.02	149	57500	2.94 ng		96
87) Benzo(b)fluoranthene	15.05	252	73680	2.54 ng	#	85
88) Benzo(k)fluoranthene	15.05	252	73680	3.11 ng	#	85

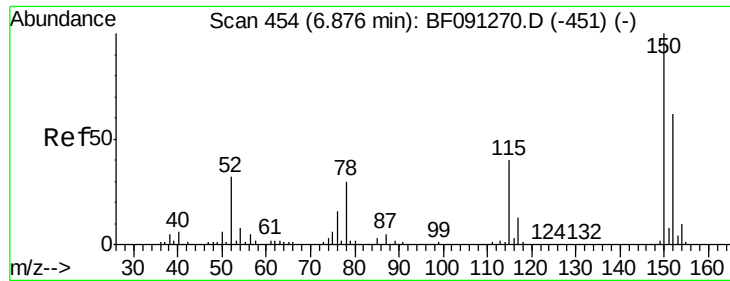
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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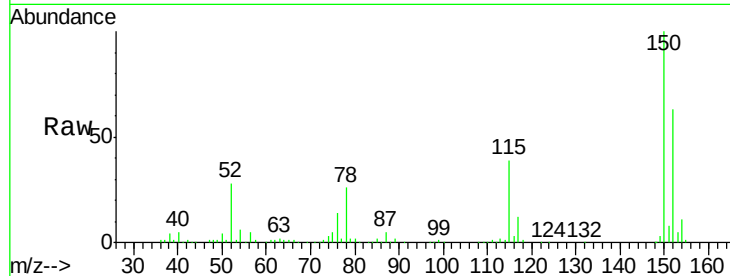




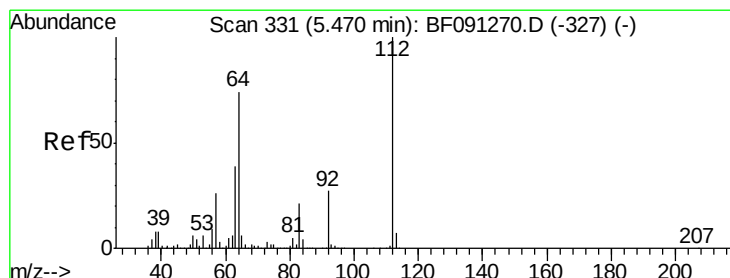
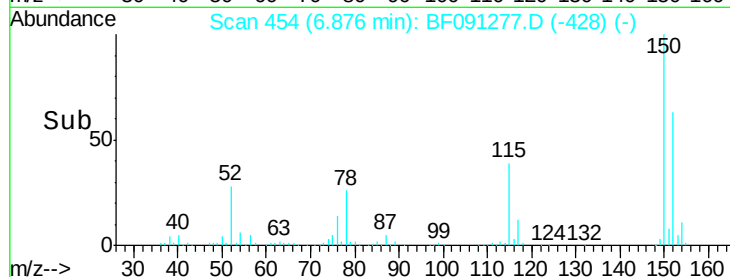
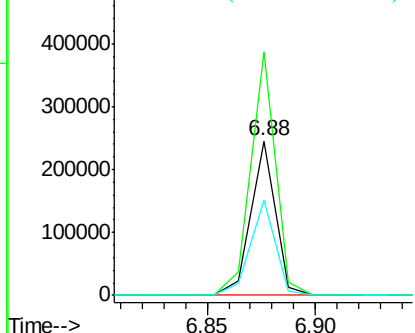
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF091277.D
 Acq: 23 Nov 2016 15:51

Instrument :
 BNA_F
 ClientSampleId :
 T12-13-8HCOMP-1

Tgt Ion:152 Resp: 193691
 Ion Ratio Lower Upper
 152 100
 150 157.7 122.5 183.7
 115 61.4 51.8 77.8

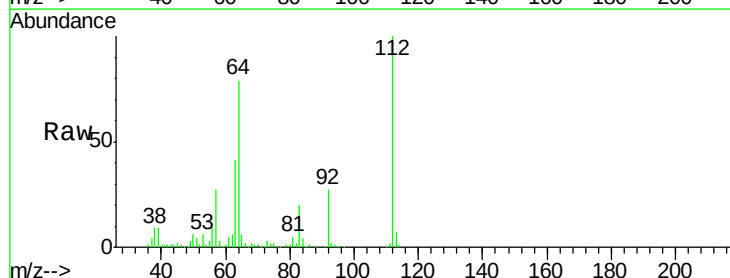


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

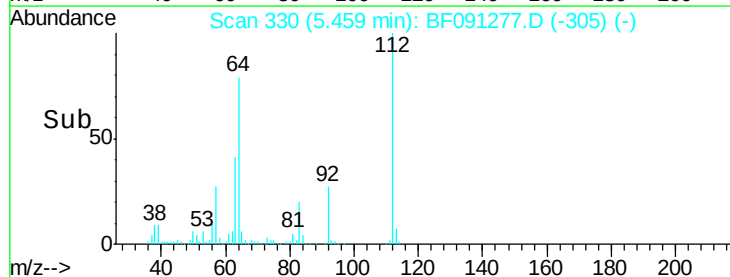
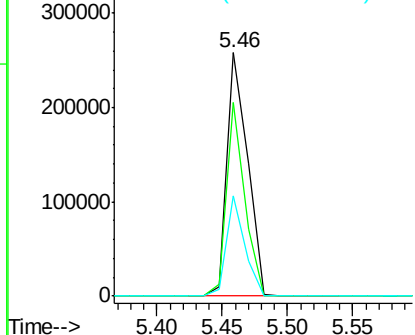


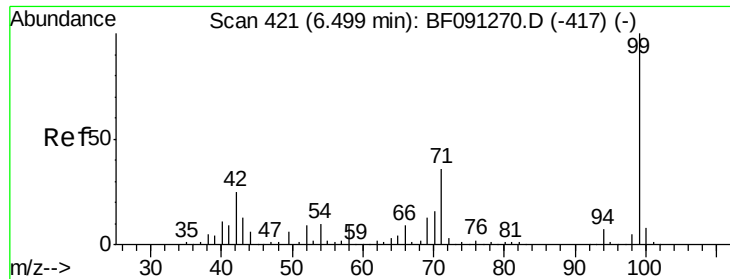
#5
 2-Fluorophenol
 Concen: 23.43 ng
 RT: 5.46 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: BF091277.D
 Acq: 23 Nov 2016 15:51

Tgt Ion:112 Resp: 282410
 Ion Ratio Lower Upper
 112 100
 64 79.5 61.5 92.3
 63 41.3 33.3 49.9



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: 23.02 ng

RT: 6.49 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

Instrument :

BNA_F

ClientSampleId :

T12-13-8HCOMP-1

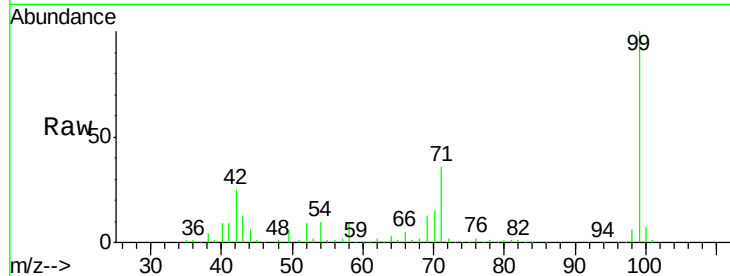
Tgt Ion: 99 Resp: 356565

Ion Ratio Lower Upper

99 100

42 24.8 20.6 31.0

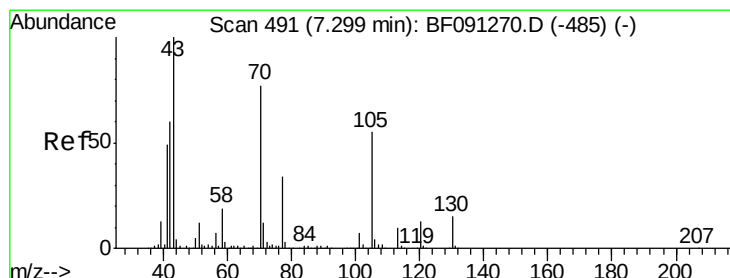
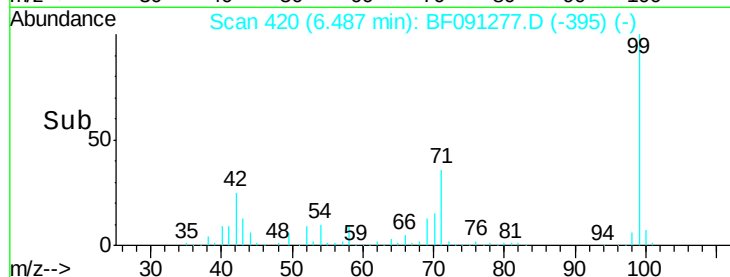
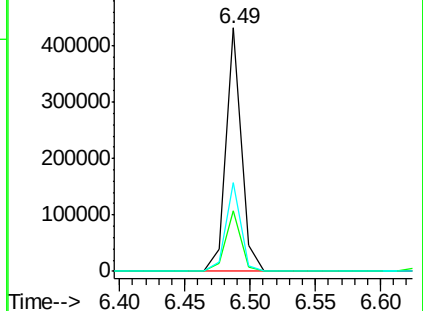
71 36.3 29.9 44.9



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: 2.82 ng

RT: 7.44 min Scan# 503

Delta R.T. 0.14 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

Tgt Ion: 70 Resp: 27392

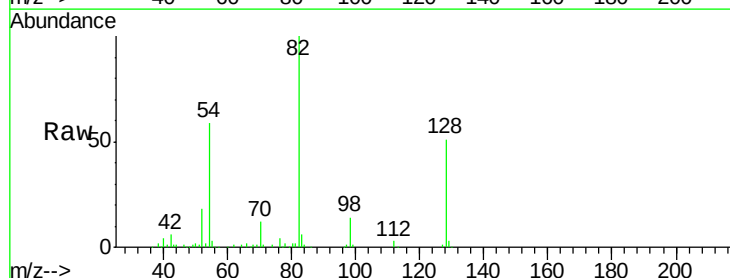
Ion Ratio Lower Upper

70 100

42 50.9 64.8 97.2#

101 0.0 6.2 9.4#

130 2.5 11.7 17.5#

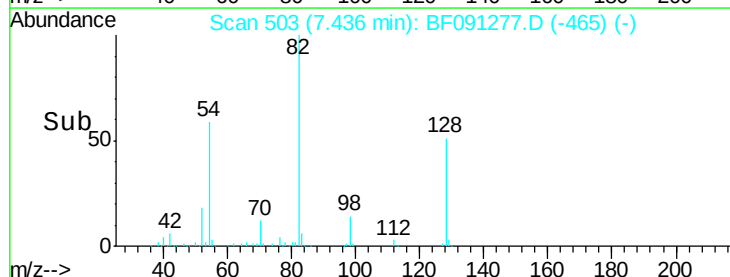
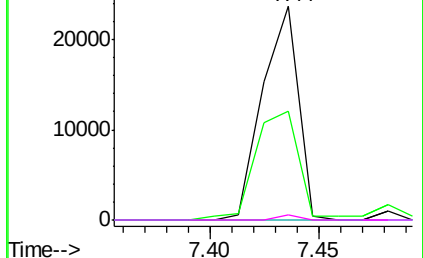


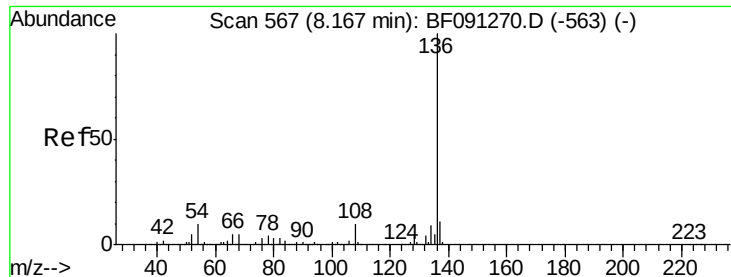
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.16 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

Instrument :

BNA_F

ClientSampleId :

T12-13-8HCOMP-1

Tgt Ion:136 Resp: 699015

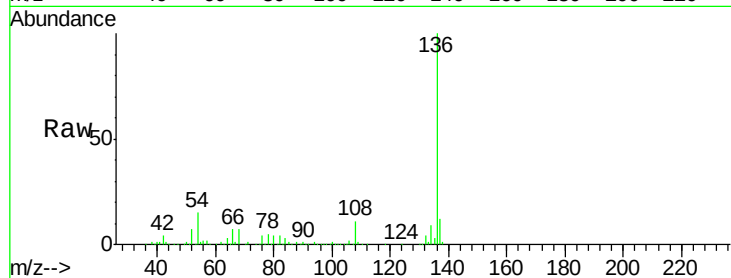
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 14.9 9.1 13.7#

68 7.0 5.9 8.9

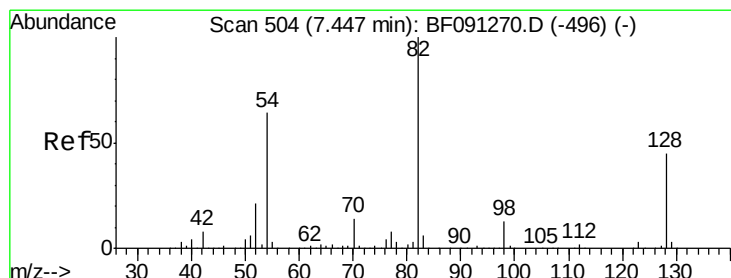
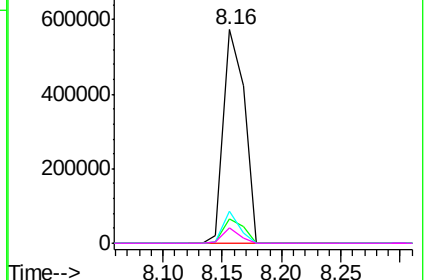
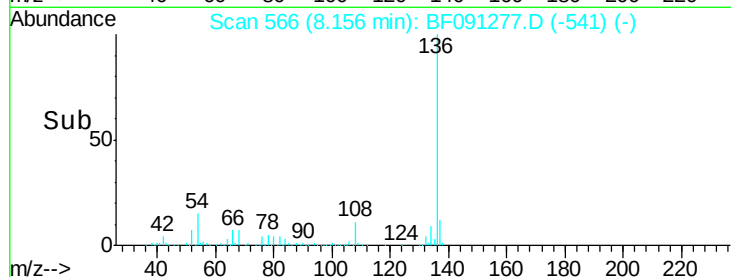


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.02 ng

RT: 7.44 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

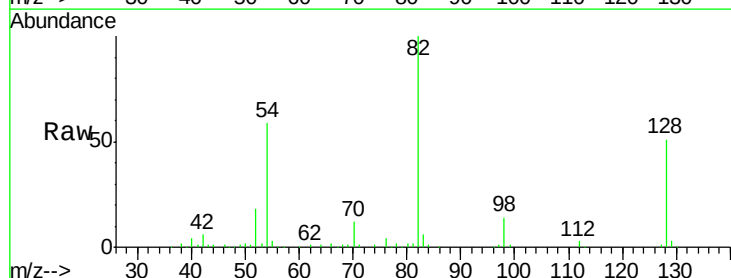
Tgt Ion: 82 Resp: 206666

Ion Ratio Lower Upper

82 100

128 50.6 31.8 47.6#

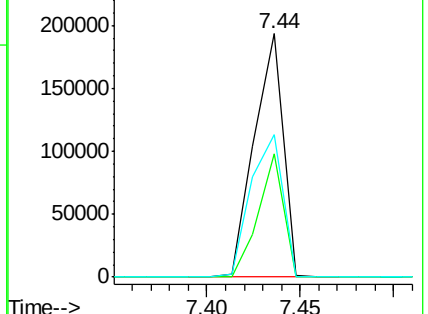
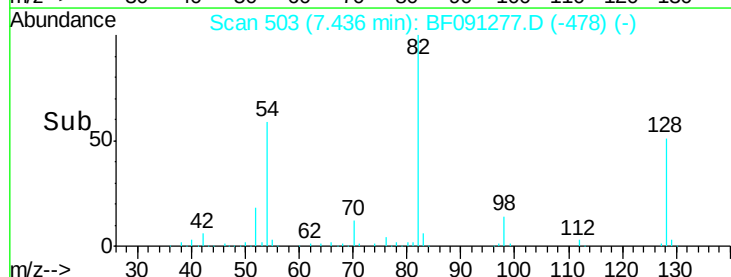
54 58.7 49.1 73.7

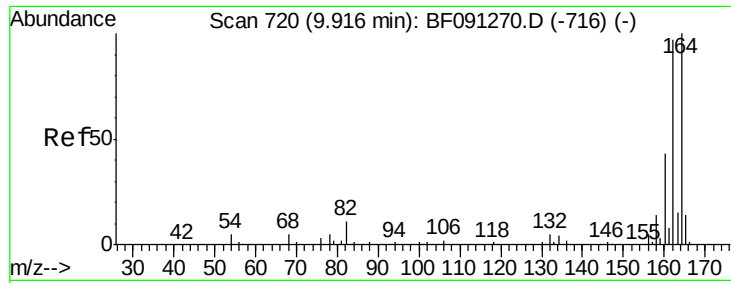


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

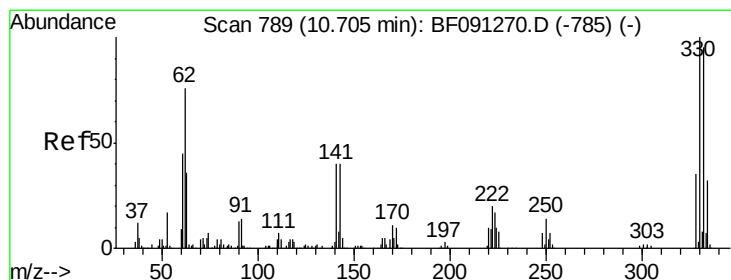
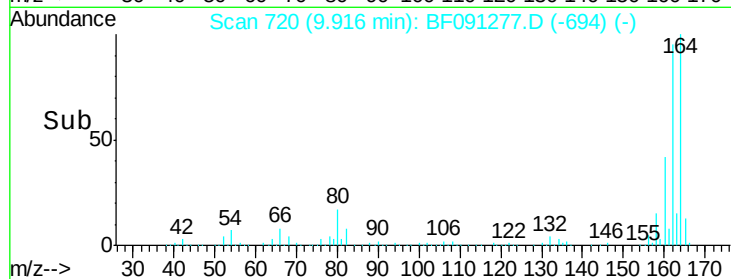
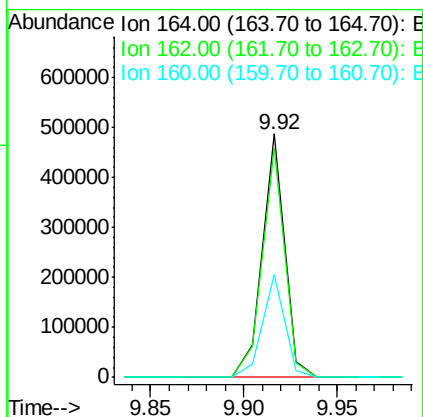
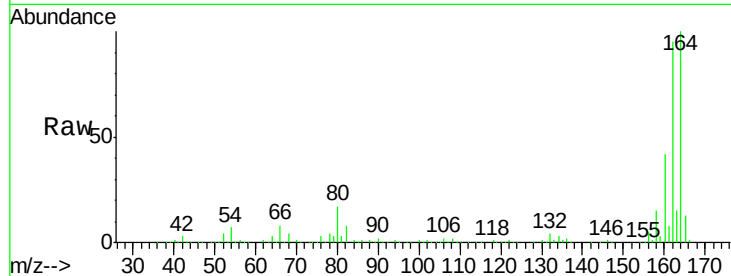




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF091277.D
 Acq: 23 Nov 2016 15:51

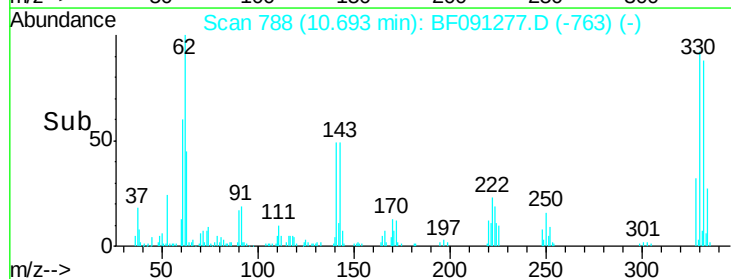
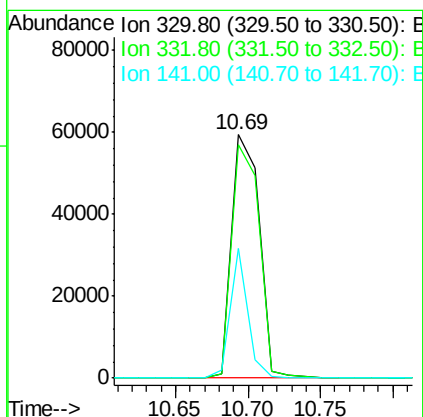
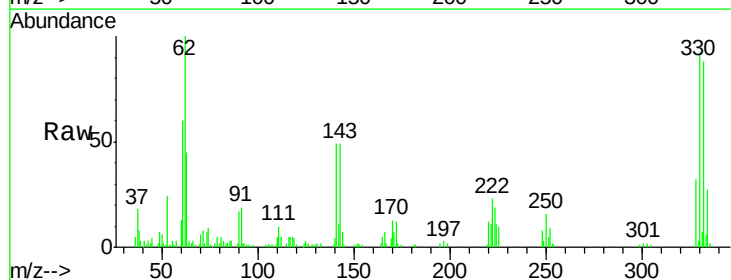
Instrument :
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 T12-13-8HCOMP-1

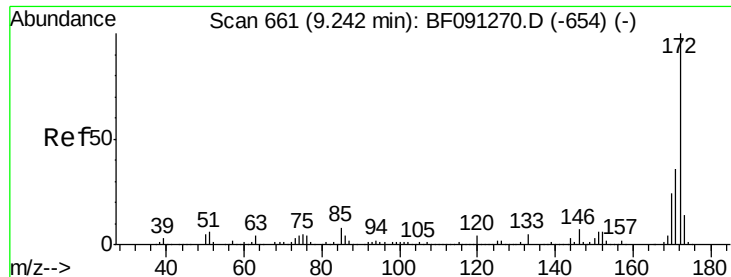
Tgt Ion:164 Resp: 400587
 Ion Ratio Lower Upper
 164 100
 162 94.5 82.6 124.0
 160 42.2 36.7 55.1



#41
 2,4,6-Tribromophenol
 Concen: 19.45 ng
 RT: 10.69 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF091277.D
 Acq: 23 Nov 2016 15:51

Tgt Ion:330 Resp: 78581
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.2 114.4
 141 33.8 33.6 50.4

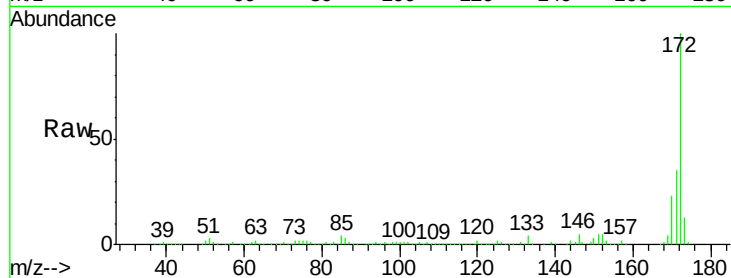




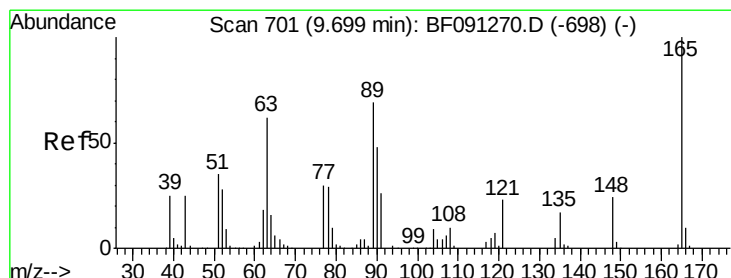
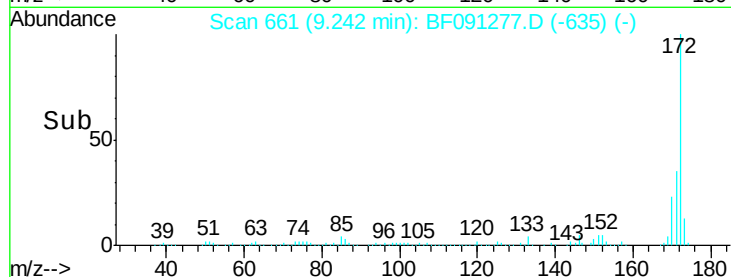
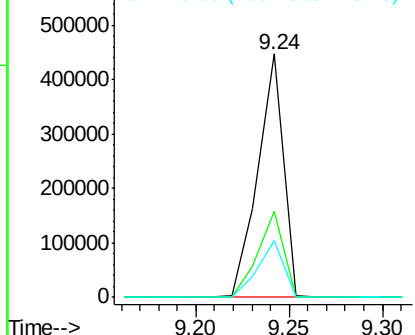
#44
 2-Fluorobiphenyl
 Concen: 17.30 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091277.D
 Acq: 23 Nov 2016 15:51

Instrument :
 BNA_F
 ClientSampleId :
 T12-13-8HCOMP-1

Tgt Ion:172 Resp: 423269
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.0
 170 23.1 19.7 29.5

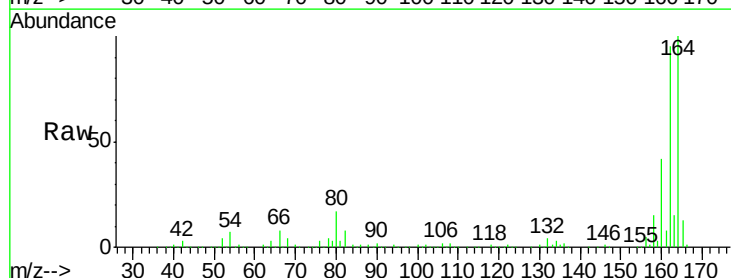


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

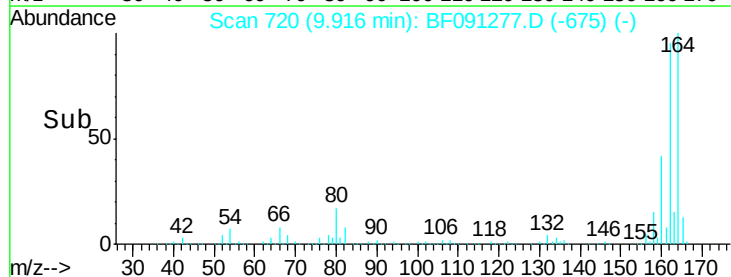
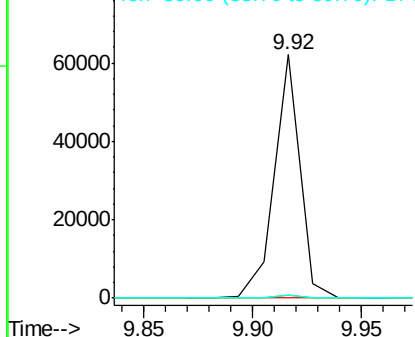


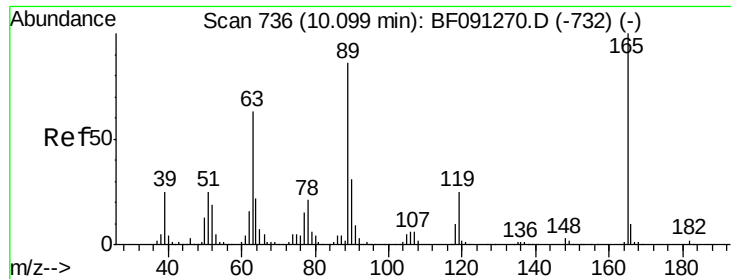
#50
 2,6-Dinitrotoluene
 Concen: 9.48 ng
 RT: 9.92 min Scan# 720
 Delta R.T. 0.22 min
 Lab File: BF091277.D
 Acq: 23 Nov 2016 15:51

Tgt Ion:165 Resp: 51786
 Ion Ratio Lower Upper
 165 100
 63 1.1 59.4 89.0#
 89 1.2 50.8 76.2#



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

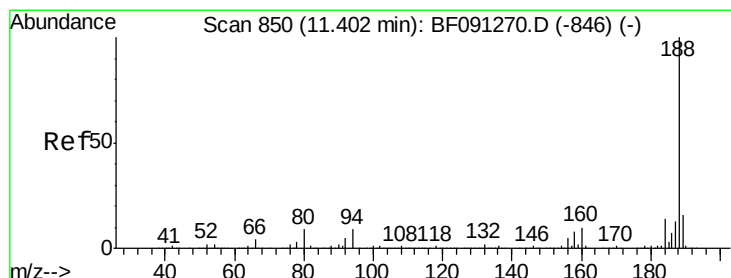
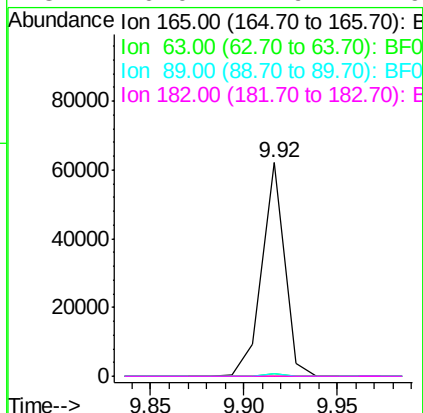
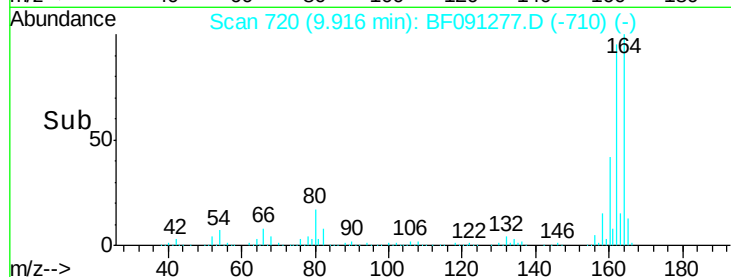
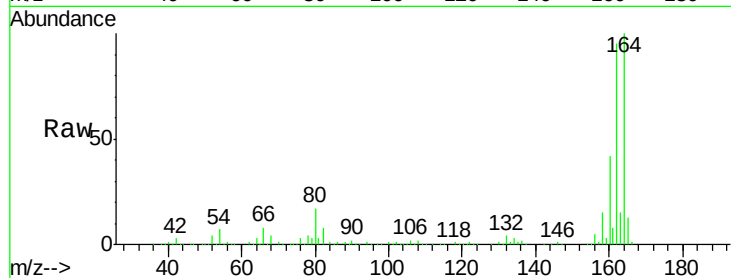




#56
 2,4-Dinitrotoluene
 Concen: 7.49 ng
 RT: 9.92 min Scan# 720
 Delta R.T. -0.18 min
 Lab File: BF091277.D
 Acq: 23 Nov 2016 15:51

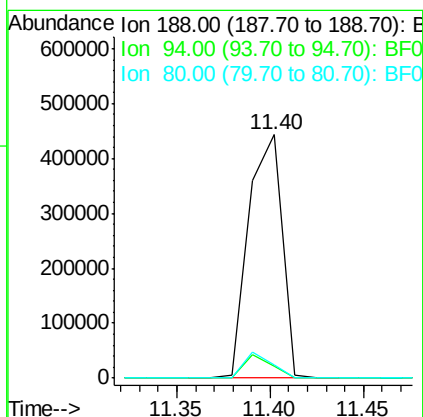
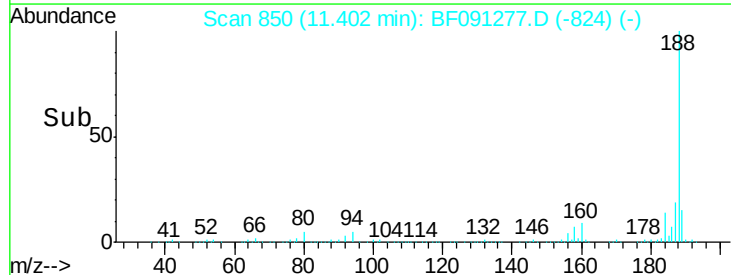
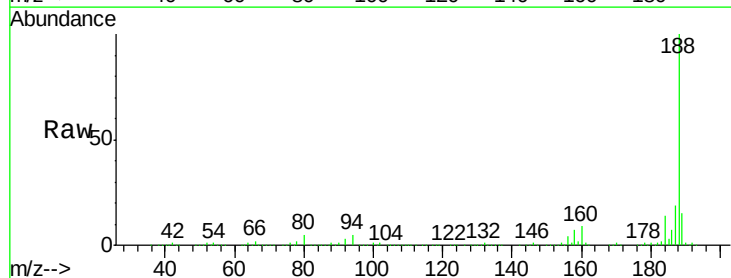
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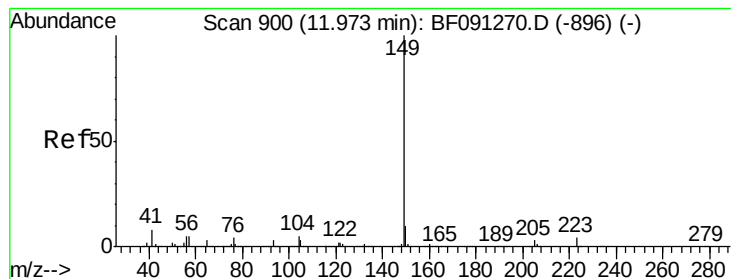
Tgt Ion:	165	Resp:	51777
Ion Ratio	Lower	Upper	
165	100		
63	1.1	29.0	43.4#
89	1.2	43.1	64.7#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: BF091277.D
 Acq: 23 Nov 2016 15:51

Tgt Ion:	188	Resp:	558905
Ion Ratio	Lower	Upper	
188	100		
94	5.2	9.2	13.8#
80	5.3	10.5	15.7#





#73

Di-n-butylphthalate

Concen: 2.15 ng

RT: 11.95 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

Instrument :

BNA_F

ClientSampleId :

T12-13-8HCOMP-1

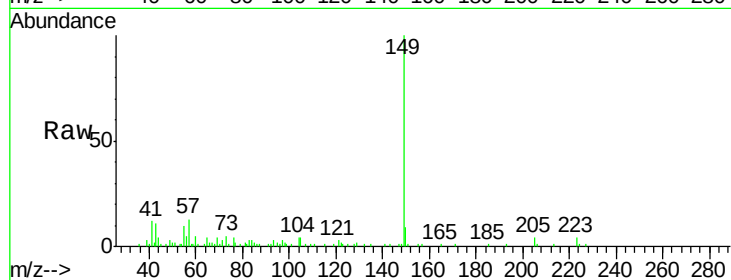
Tgt Ion:149 Resp: 65624

Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

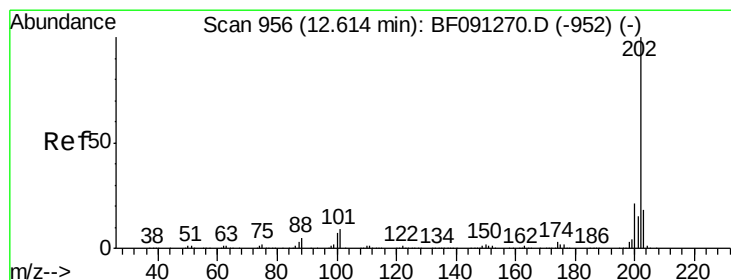
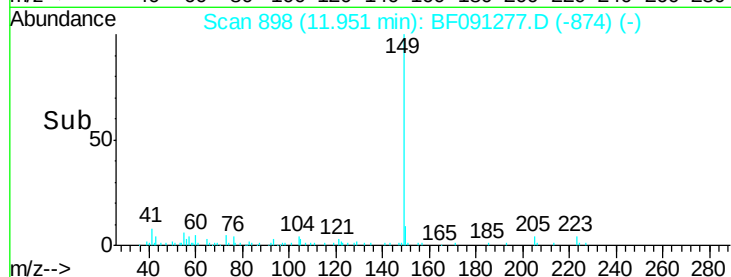
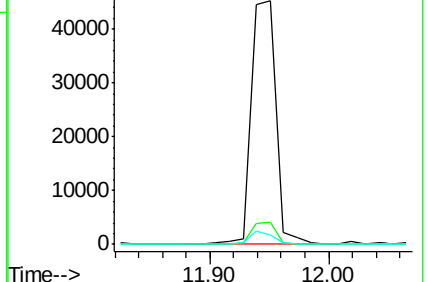
104 4.1 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 3.48 ng

RT: 12.60 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

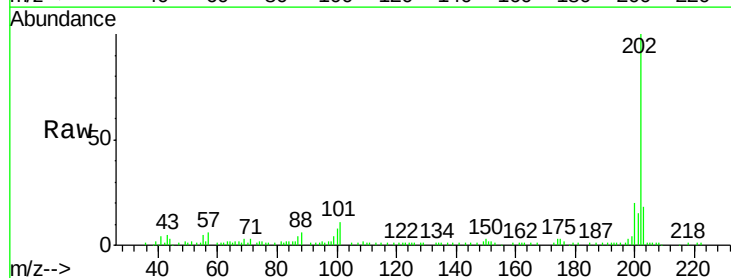
Tgt Ion:202 Resp: 102690

Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.5

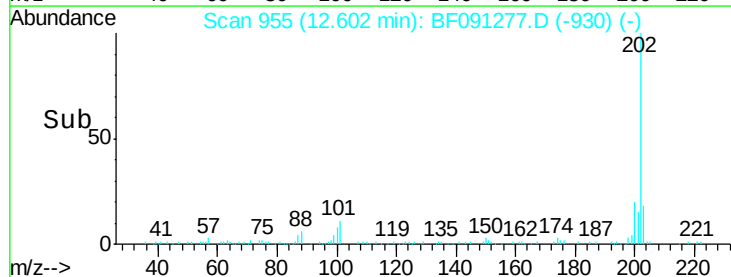
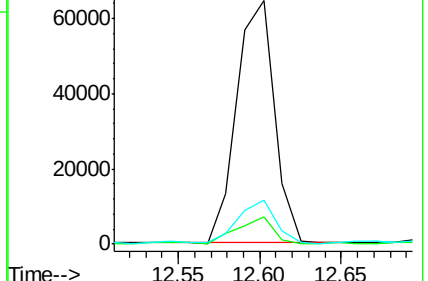
203 18.3 0.0 37.8

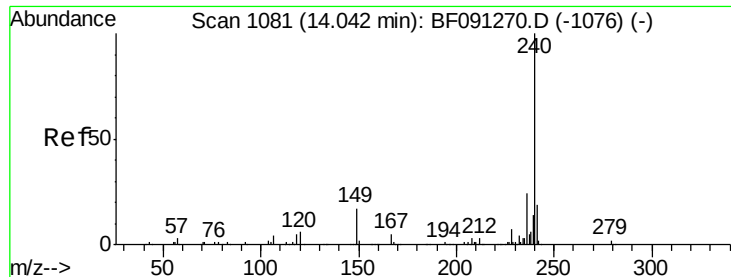


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.03 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

Instrument :

BNA_F

ClientSampleId :

T12-13-8HCOMP-1

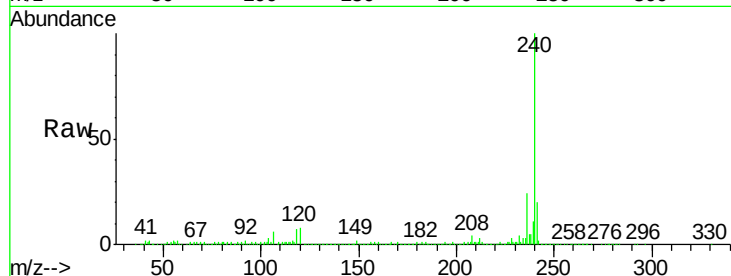
Tgt Ion:240 Resp: 532001

Ion Ratio Lower Upper

240 100

120 8.4 12.1 18.1#

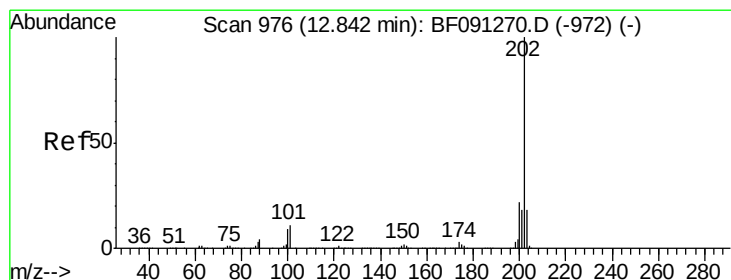
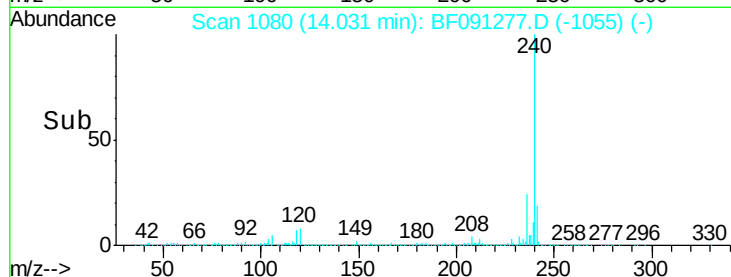
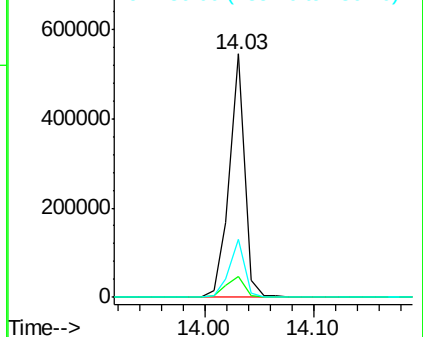
236 24.1 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.94 ng

RT: 12.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

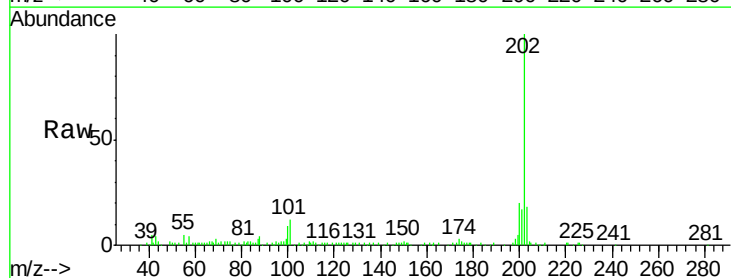
Tgt Ion:202 Resp: 115507

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

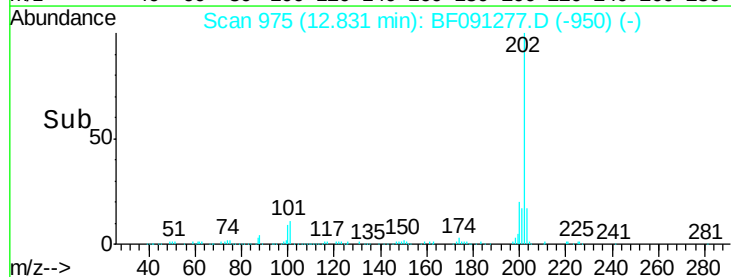
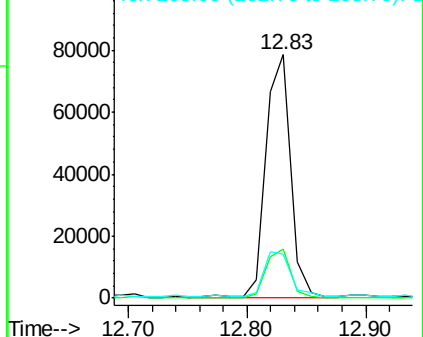
203 17.8 14.0 21.0

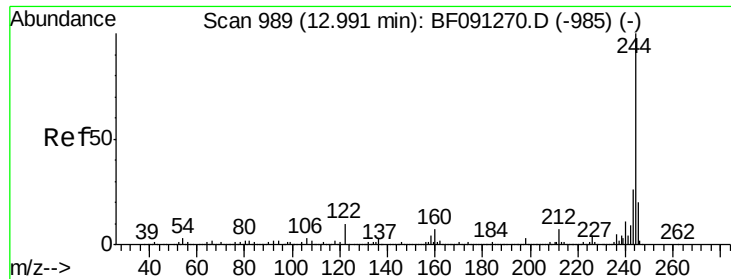


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 23.91 ng

RT: 12.98 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

Instrument :

BNA_F

ClientSampleId :

T12-13-8HCOMP-1

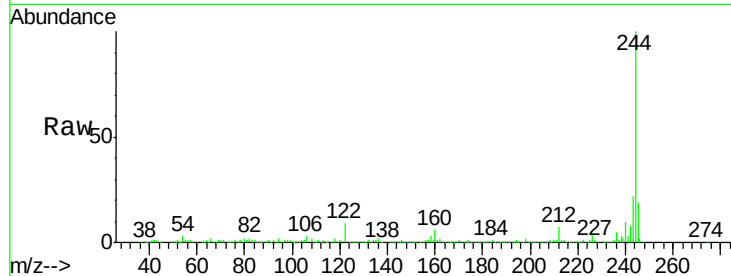
Tgt Ion:244 Resp: 557028

Ion Ratio Lower Upper

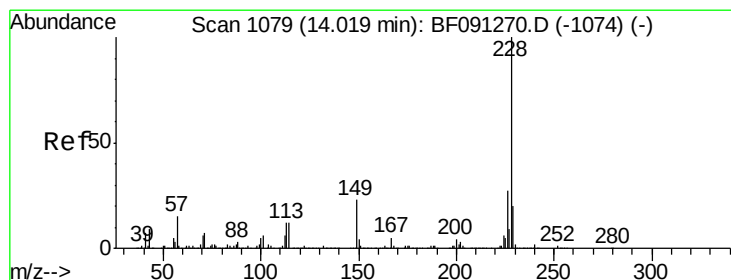
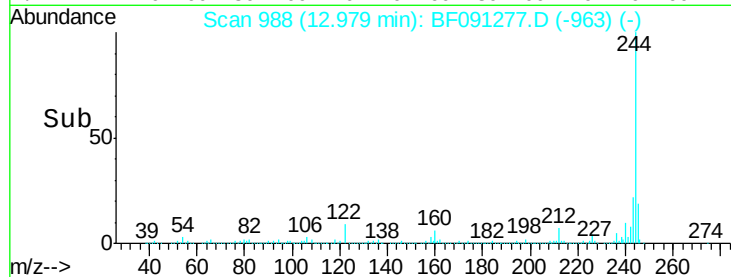
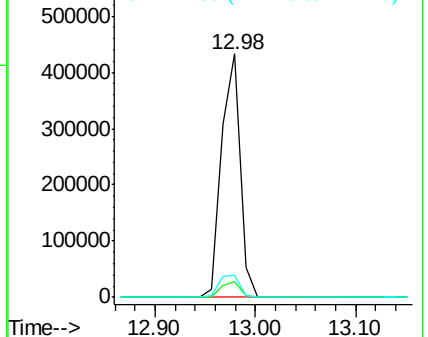
244 100

212 6.5 6.5 9.7

122 8.9 9.5 14.3#



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: 5.21 ng

RT: 14.04 min Scan# 1081

Delta R.T. 0.02 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

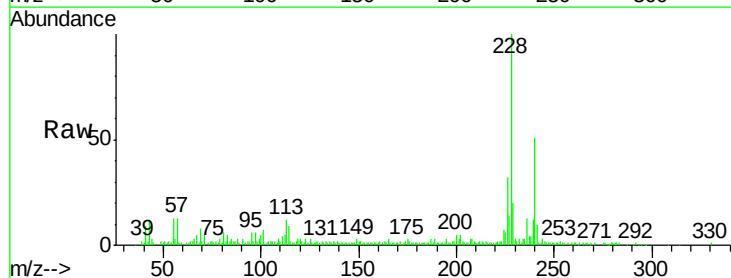
Tgt Ion:228 Resp: 157379

Ion Ratio Lower Upper

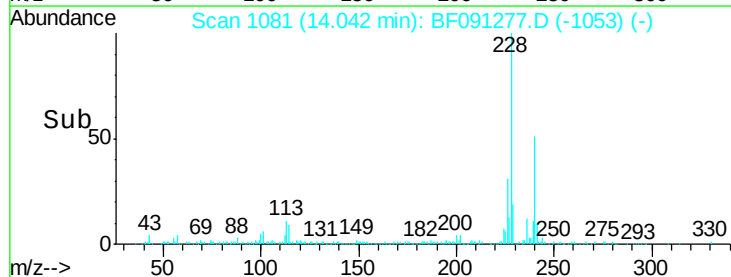
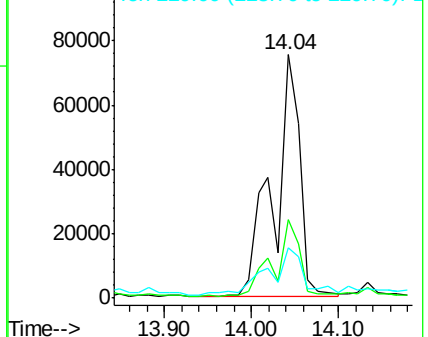
228 100

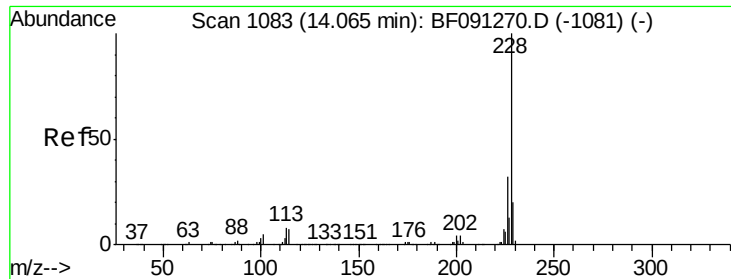
226 32.2 22.5 33.7

229 20.5 16.4 24.6



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: 5.52 ng

RT: 14.04 min Scan# 1081

Delta R.T. -0.02 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

Instrument :

BNA_F

ClientSampleId :

T12-13-8HCOMP-1

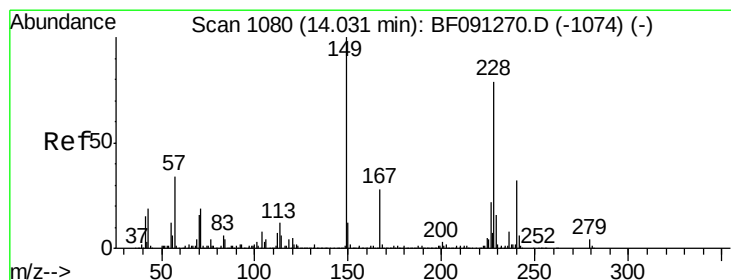
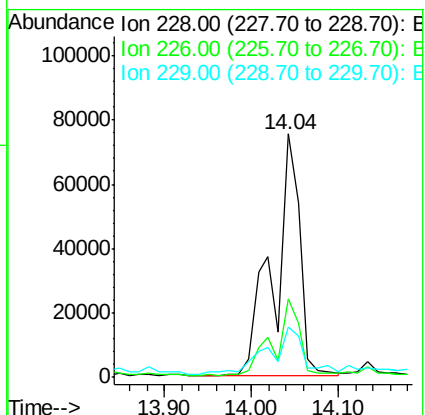
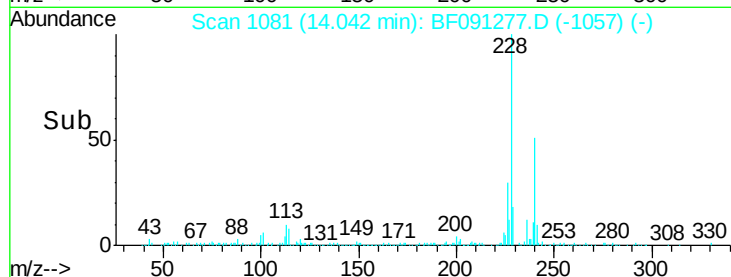
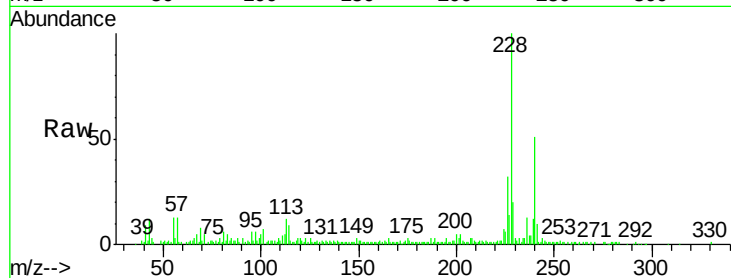
Tgt Ion:228 Resp: 157379

Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.4

229 20.5 16.0 24.0



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.94 ng

RT: 14.02 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

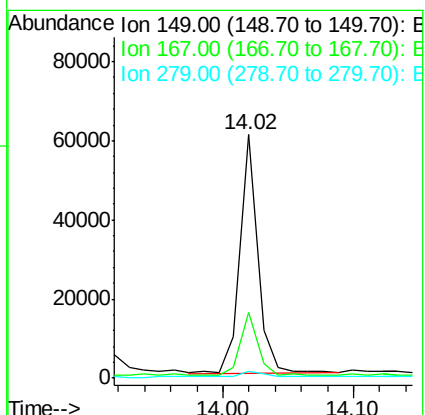
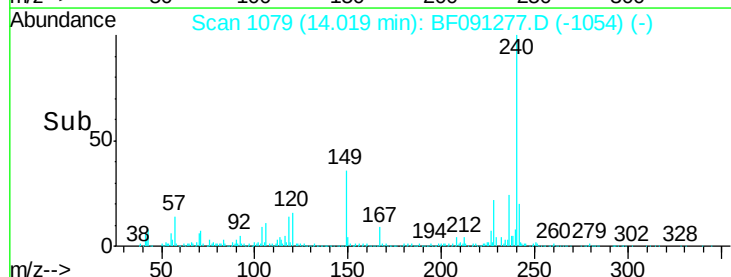
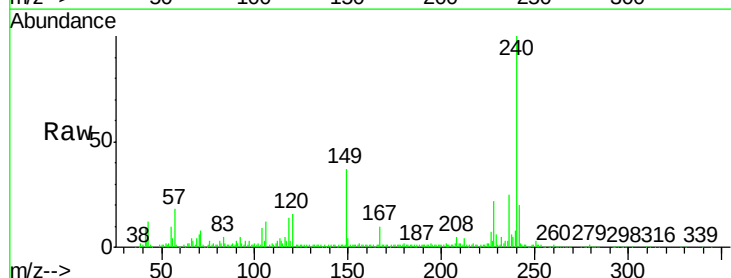
Tgt Ion:149 Resp: 57500

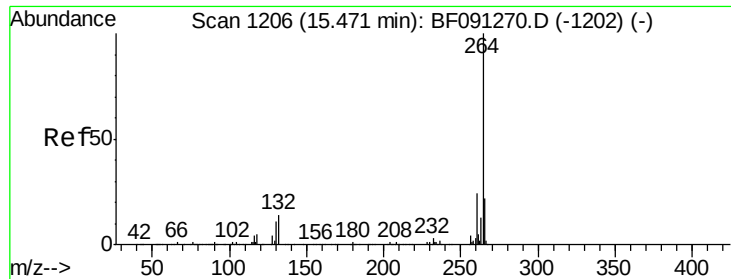
Ion Ratio Lower Upper

149 100

167 26.9 19.6 29.4

279 2.9 1.9 2.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

Instrument :

BNA_F

ClientSampleId :

T12-13-8HCOMP-1

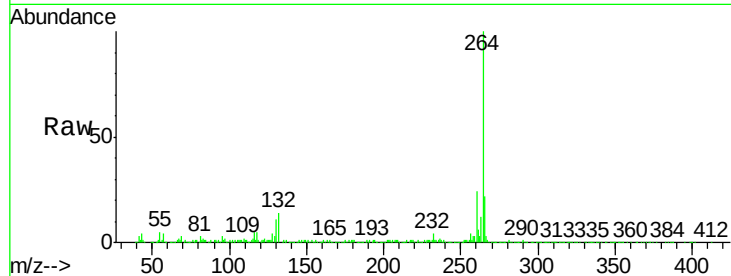
Tgt Ion:264 Resp: 460114

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.3 17.0 25.6

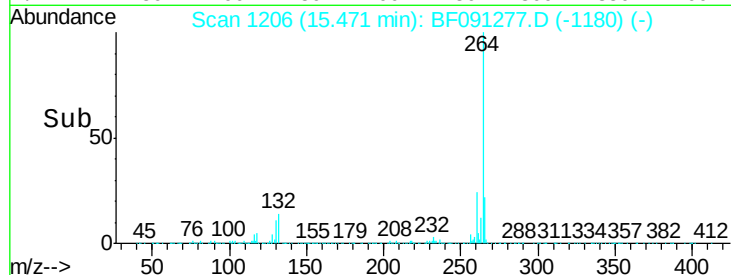


Abundance Ion 264.00 (263.70 to 264.70): E

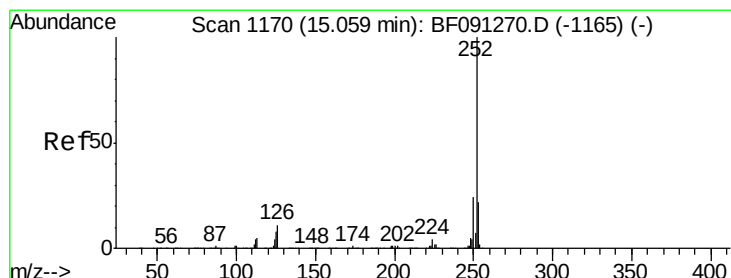
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



Time-->



#87

Benzo(b)fluoranthene

Concen: 2.54 ng

RT: 15.05 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF091277.D

Acq: 23 Nov 2016 15:51

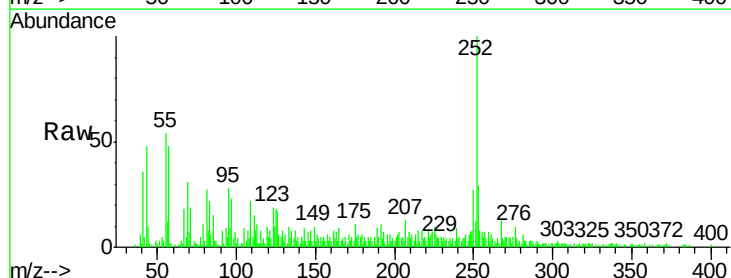
Tgt Ion:252 Resp: 73680

Ion Ratio Lower Upper

252 100

253 29.2 18.2 27.2#

125 18.0 8.6 13.0#

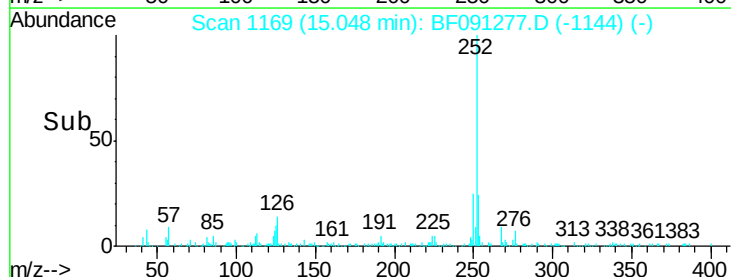


Abundance Ion 252.00 (251.70 to 252.70): E

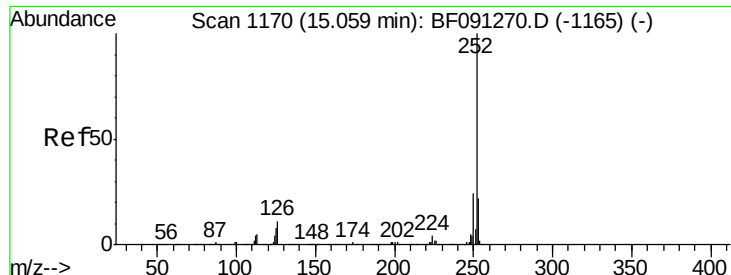
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#88

Benzo(k)fluoranthene

Concen: 3.11 ng

RT: 15.05 min Scan# 1169

Delta R.T. -0.03 min

Lab File: BF091277.D

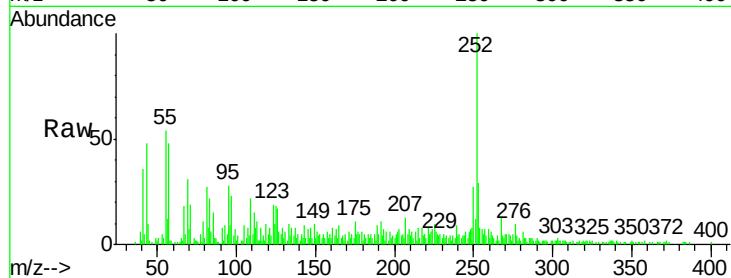
Acq: 23 Nov 2016 15:51

Instrument :

BNA_F

ClientSampleId :

T12-13-8HCOMP-1



Tgt Ion:	252	Resp:	73680
Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.8	26.8#
125	18.0	9.6	14.4#

