

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088142.D
 Acq On : 18 Jun 2016 19:06
 Operator : UM/SJ
 Sample : H3580-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P8-B3(0-5)C

Quant Time: Jun 19 07:45:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

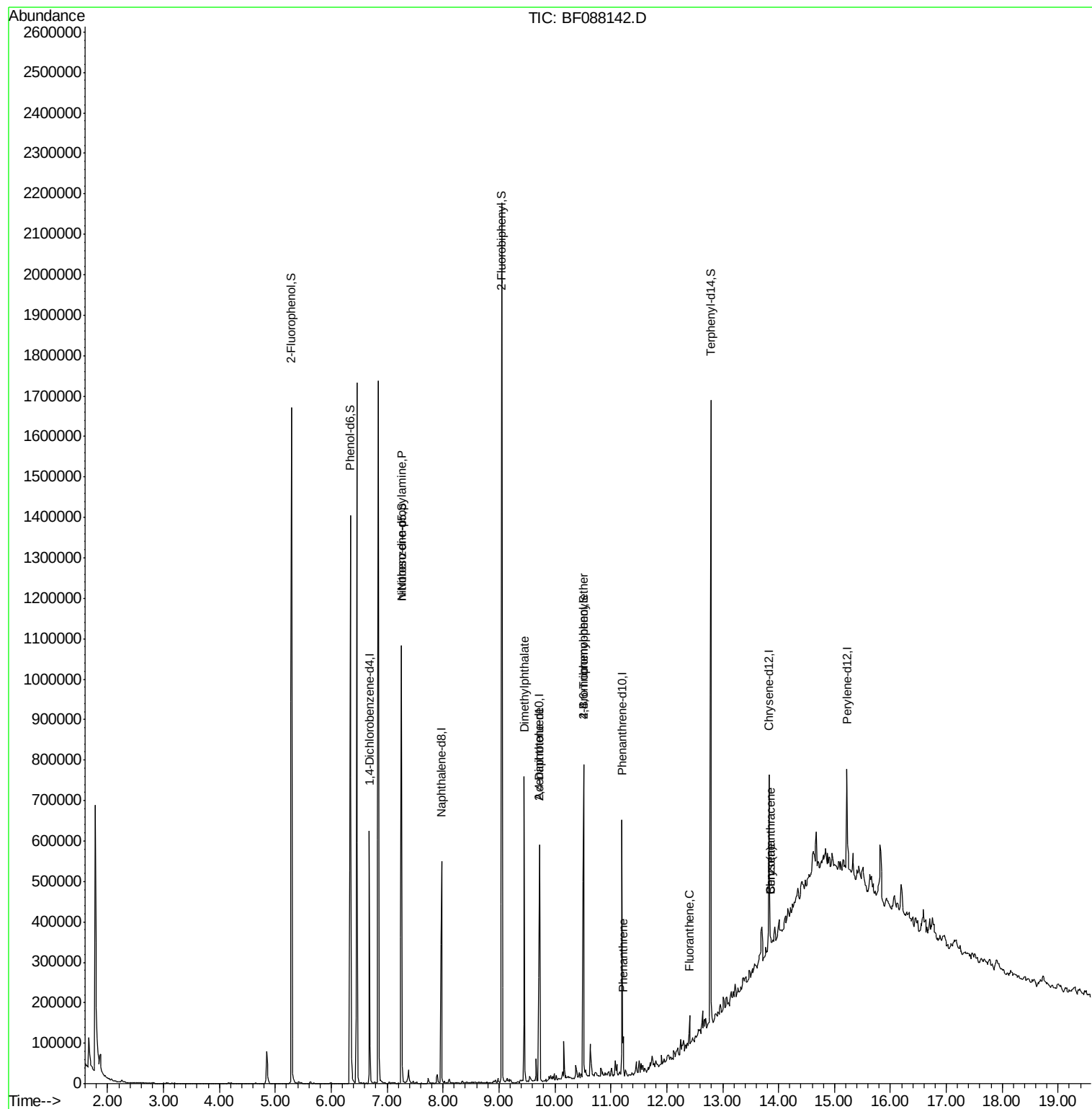
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	92065	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	324036	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	127537	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	212254	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	161217	20.00	ng	-0.02
86) Perylene-d12	15.22	264	126425	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	598643	111.16	ng	0.01
7) Phenol-d6	6.34	99	666227	102.08	ng	-0.01
23) Nitrobenzene-d5	7.26	82	364540	65.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	115215	85.56	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	669358	82.27	ng	-0.02
78) Terphenyl-d14	12.79	244	554743	78.30	ng	-0.01
Target Compounds						
10) Phenol	6.35	94	6744	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	48049	11.51 ng	#	70
45) 1,1'-Biphenyl	9.15	154	404	Below Cal		70
49) Dimethylphthalate	9.45	163	301943	32.68 ng		99
56) 2,4-Dinitrotoluene	9.72	165	16099	5.92 ng	#	36
57) Fluorene	10.27	166	716	Below Cal	#	91
66) 4-Bromophenyl-phenylether	10.51	248	7905	3.47 ng	#	1
70) Phenanthrene	11.22	178	32965	2.96 ng		97
74) Fluoranthene	12.41	202	29745	2.53 ng		96
80) Benzo(a)anthracene	13.86	228	20425	2.22 ng	#	81
82) Chrysene	13.86	228	20425	2.36 ng	#	87

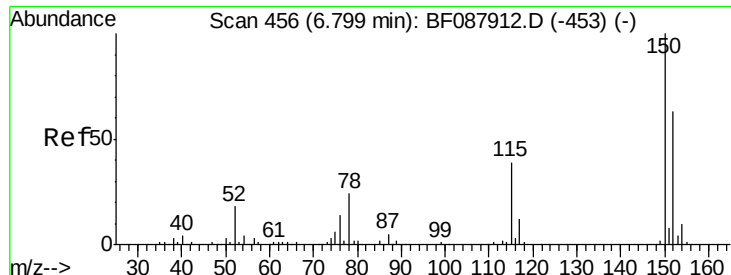
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

Instrument :

BNA_F

ClientSampleId :

P8-B3(0-5)C

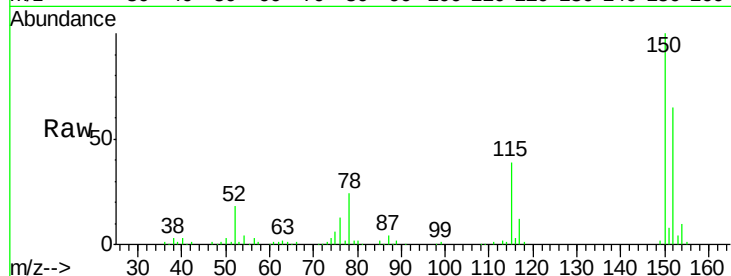
Tgt Ion:152 Resp: 92065

Ion Ratio Lower Upper

152 100

150 154.9 123.8 185.6

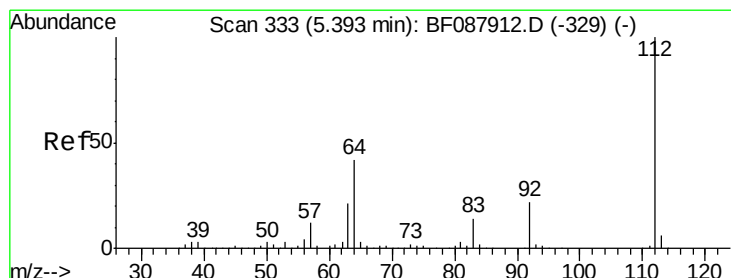
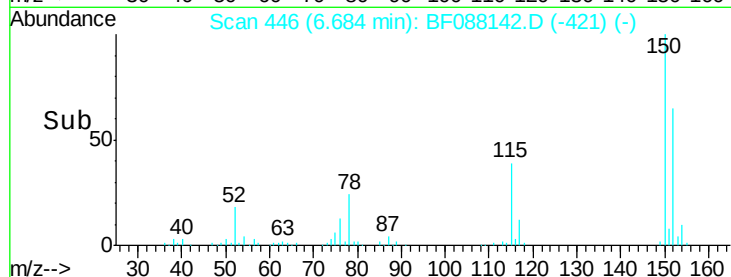
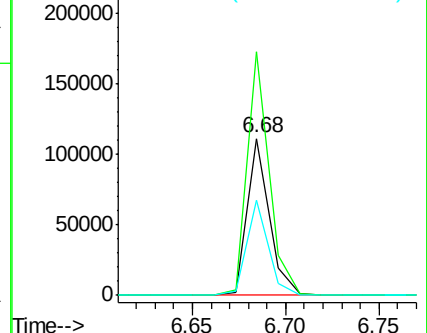
115 60.6 39.6 59.4#



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: 111.16 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

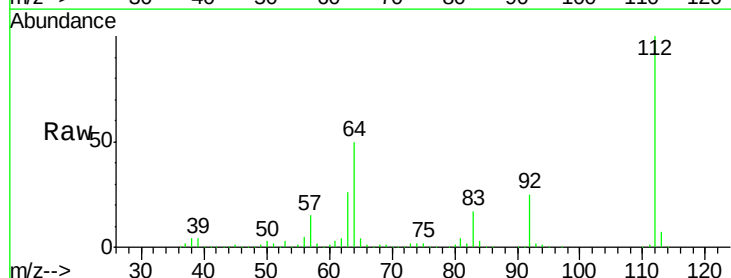
Tgt Ion:112 Resp: 598643

Ion Ratio Lower Upper

112 100

64 49.9 42.2 63.2

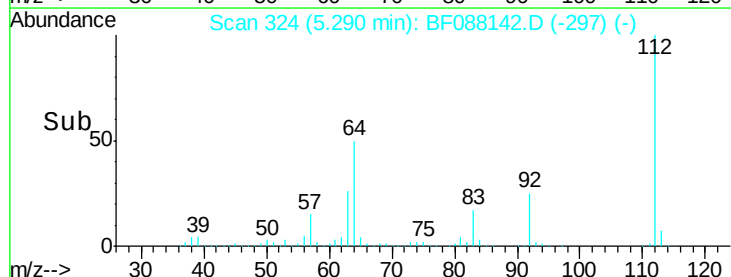
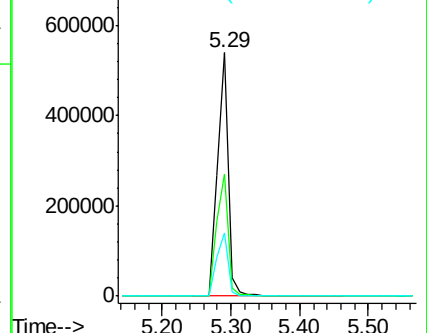
63 26.0 21.8 32.8

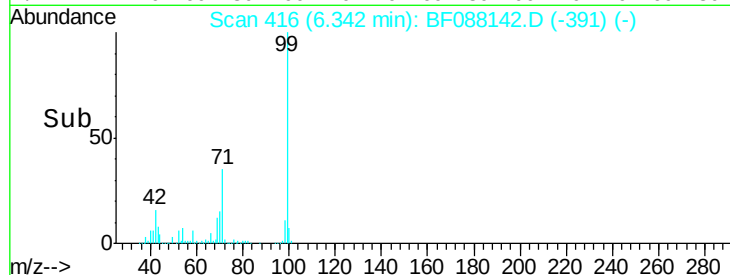
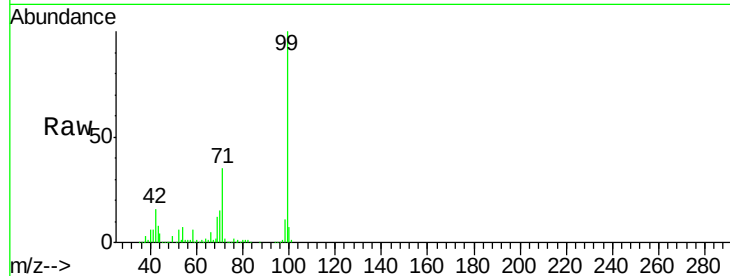
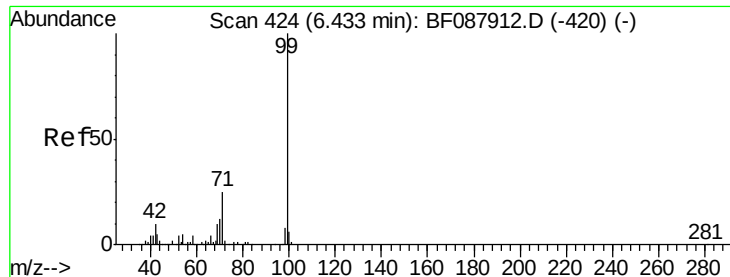


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.08 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

Instrument :

BNA_F

ClientSampleId :

P8-B3(0-5)C

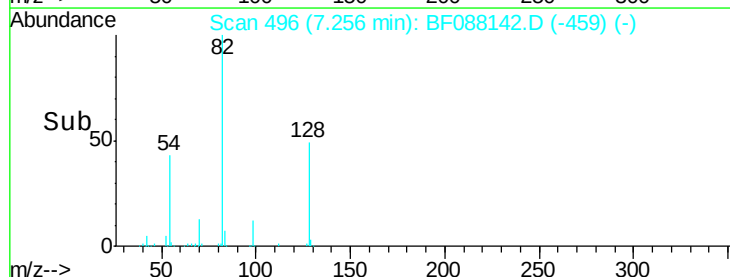
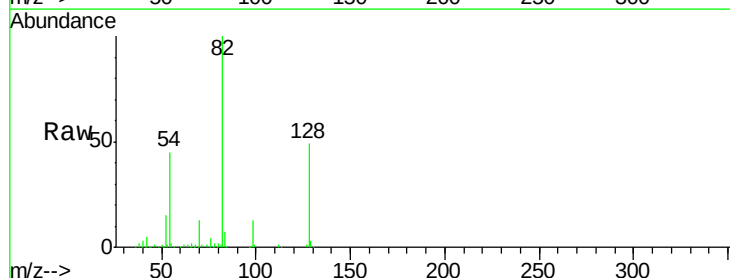
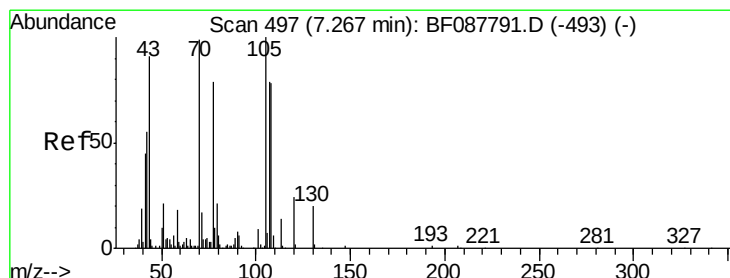
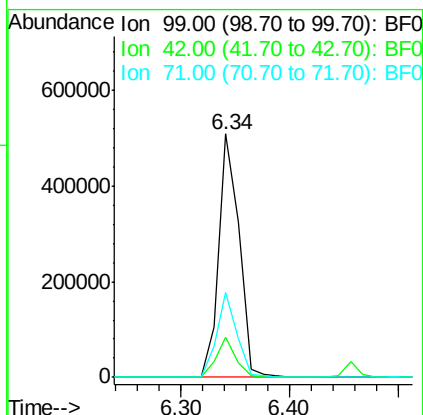
Tgt Ion: 99 Resp: 666227

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.2

71 34.7 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.51 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

Tgt Ion: 70 Resp: 48049

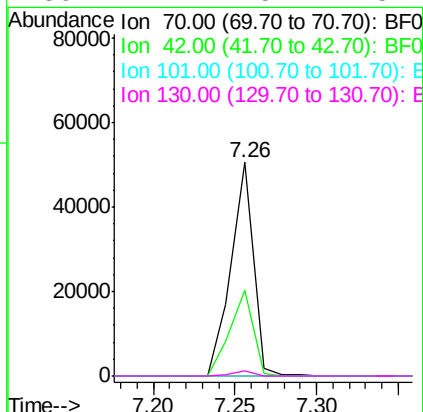
Ion Ratio Lower Upper

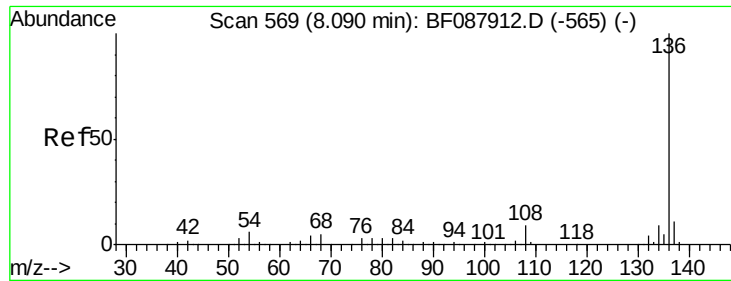
70 100

42 40.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

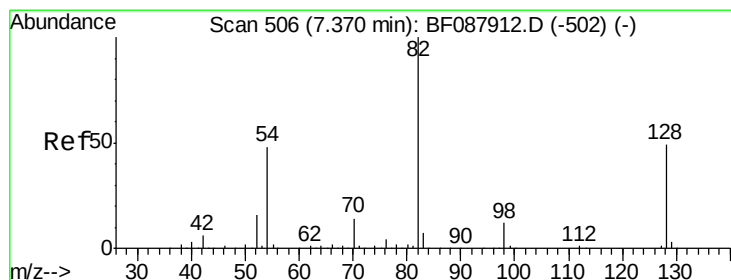
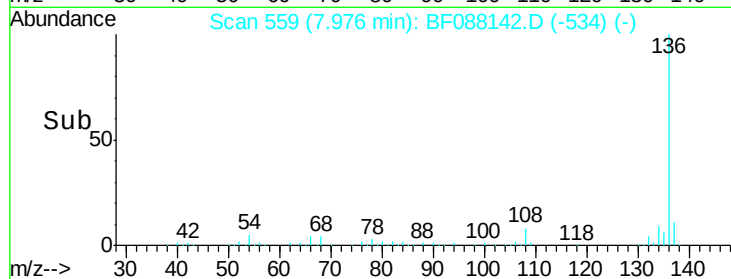
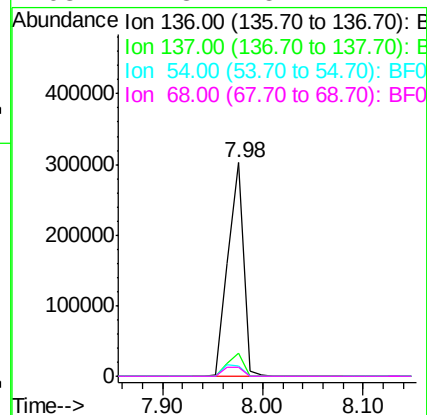
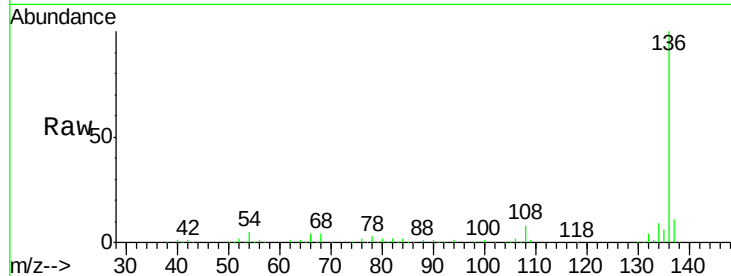




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088142.D
Acq: 18 Jun 2016 19:06

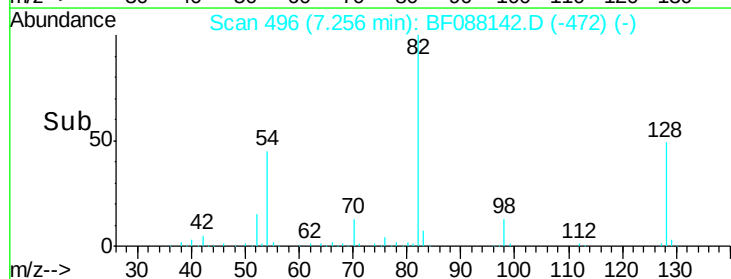
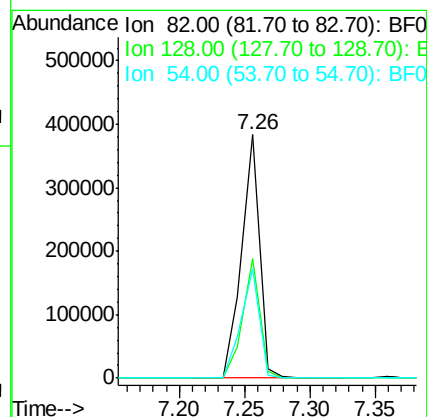
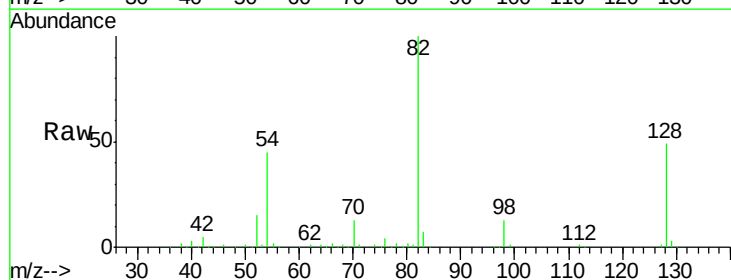
Instrument :
BNA_F
ClientSampleId :
P8-B3(0-5)C

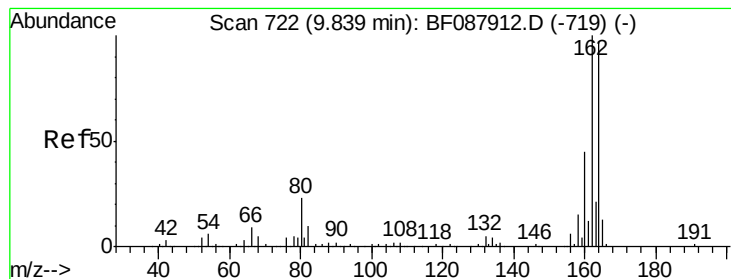
Tgt Ion:	136	Resp:	324036
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	4.8	6.6	10.0#
68	4.3	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 65.69 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088142.D
Acq: 18 Jun 2016 19:06

Tgt Ion:	82	Resp:	364540
Ion	Ratio	Lower	Upper
82	100		
128	49.0	35.9	53.9
54	45.1	40.9	61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

Instrument :

BNA_F

ClientSampleId :

P8-B3(0-5)C

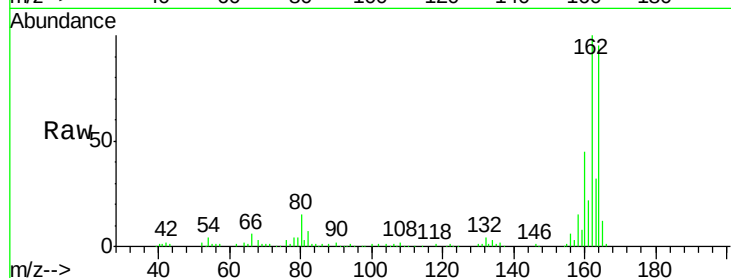
Tgt Ion:164 Resp: 127537

Ion Ratio Lower Upper

164 100

162 105.5 85.4 128.2

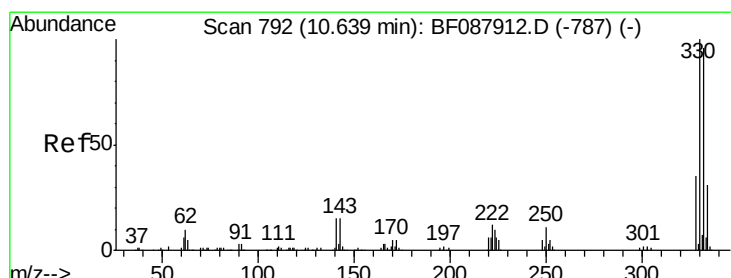
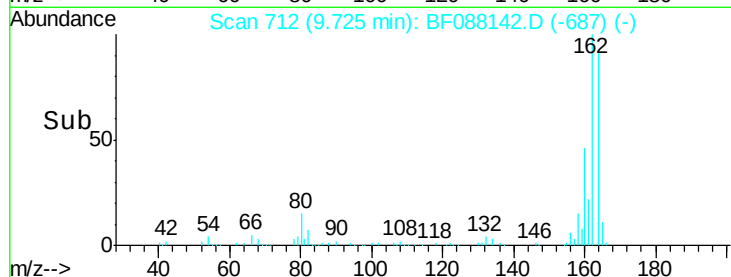
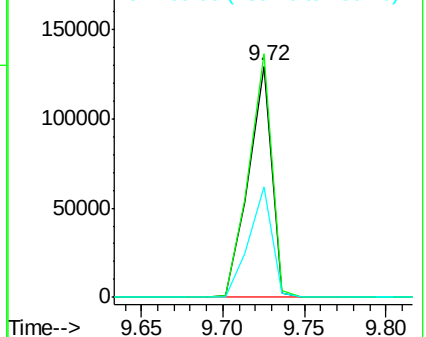
160 47.9 39.5 59.3



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: 85.56 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

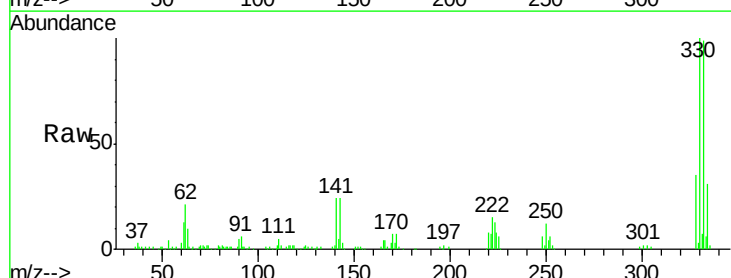
Tgt Ion:330 Resp: 115215

Ion Ratio Lower Upper

330 100

332 97.9 0.0 0.0#

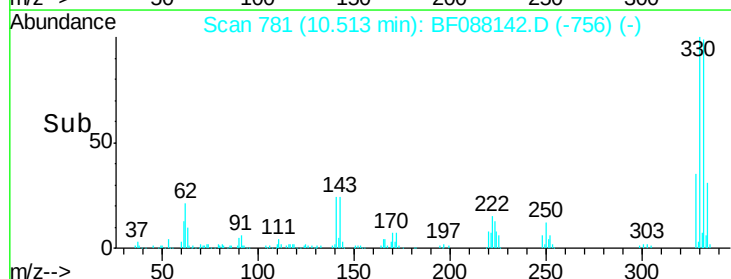
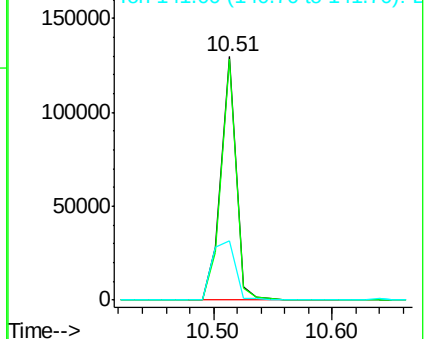
141 37.5 0.0 0.0#

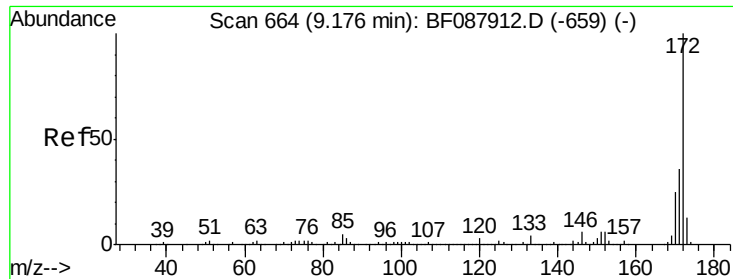


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

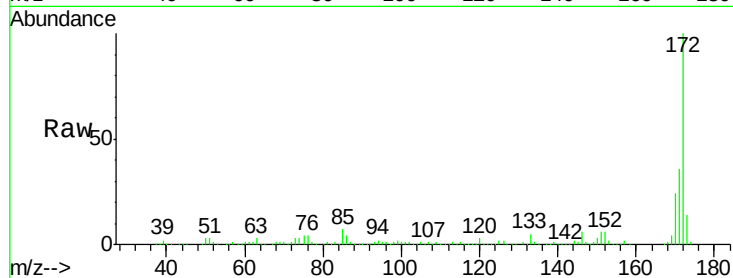




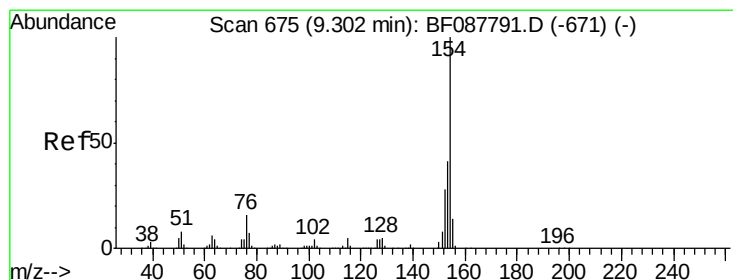
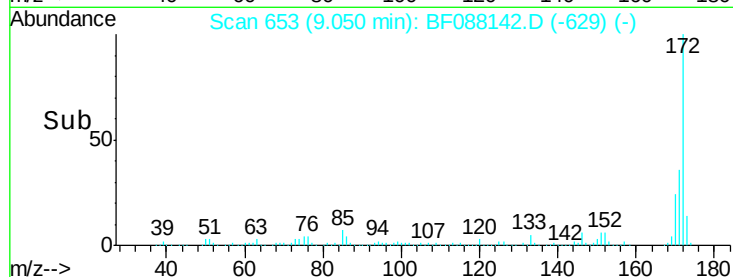
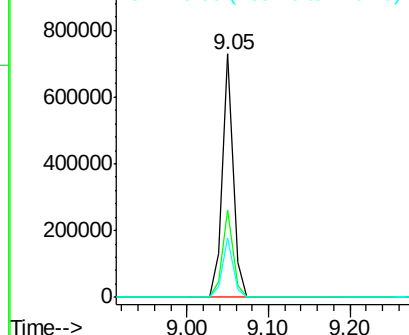
#44
 2-Fluorobiphenyl
 Concen: 82.27 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088142.D
 Acq: 18 Jun 2016 19:06

Instrument :
 BNA_F
 ClientSampleId :
 P8-B3(0-5)C

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.1	19.2	28.8

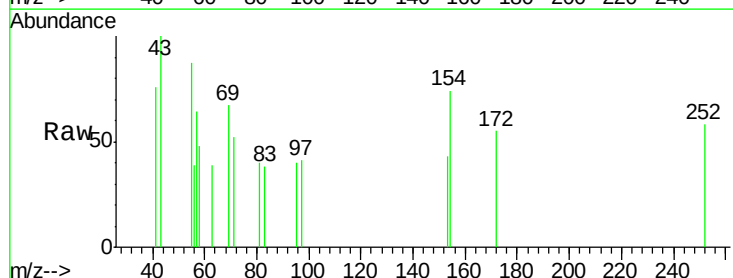


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

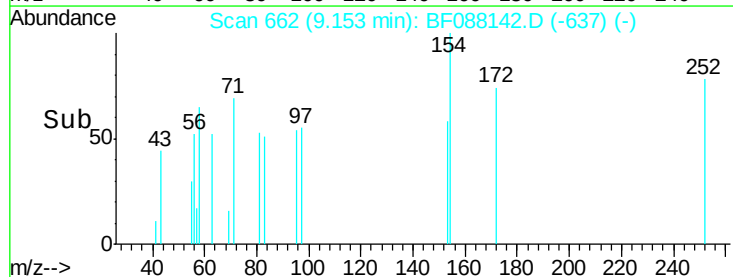
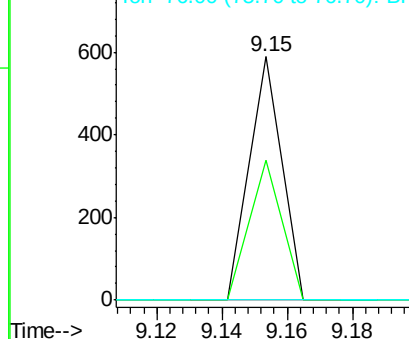


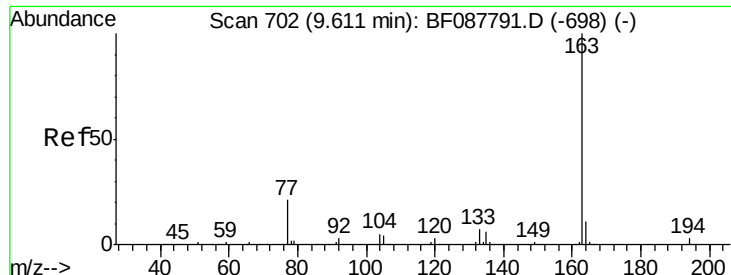
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088142.D
 Acq: 18 Jun 2016 19:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	57.7	20.6	60.6
76	0.0	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: 32.68 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

Instrument :

BNA_F

ClientSampleId :

P8-B3(0-5)C

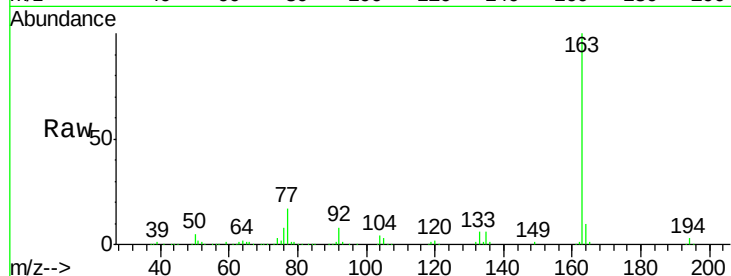
Tgt Ion:163 Resp: 301943

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

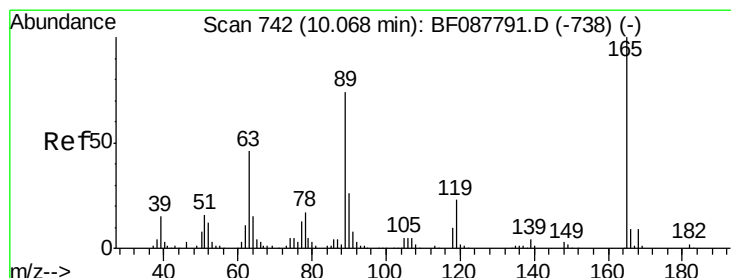
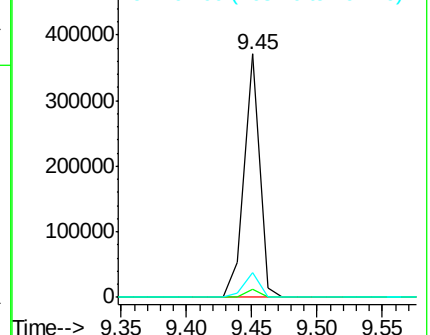
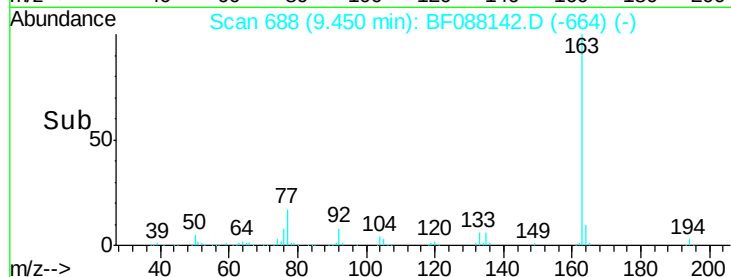
164 10.2 8.3 12.5



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: 5.92 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

Tgt Ion:165 Resp: 16099

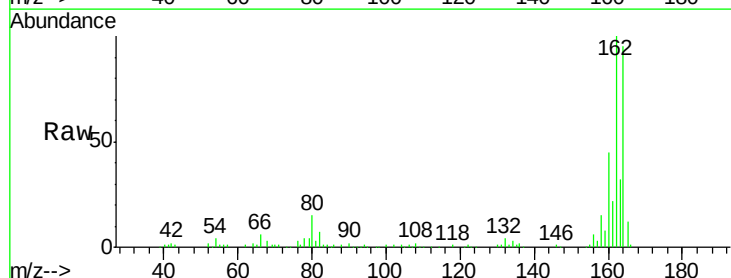
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

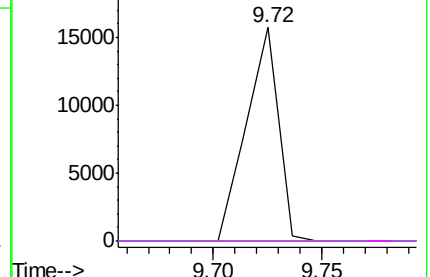
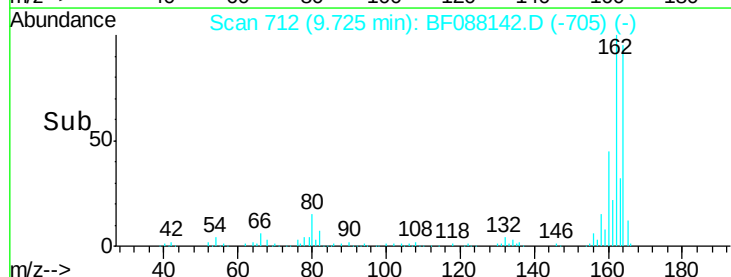


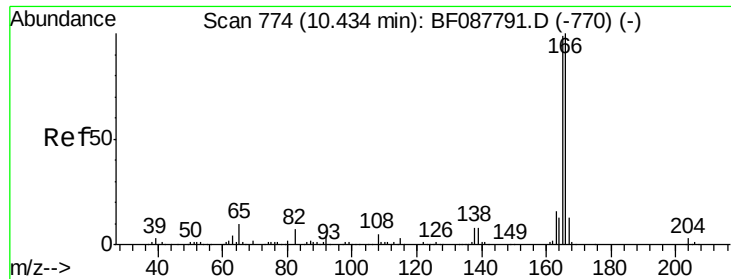
Abundance Ion 165.00 (164.70 to 165.70): E

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

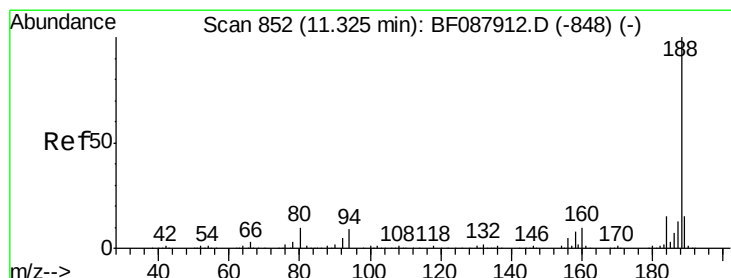
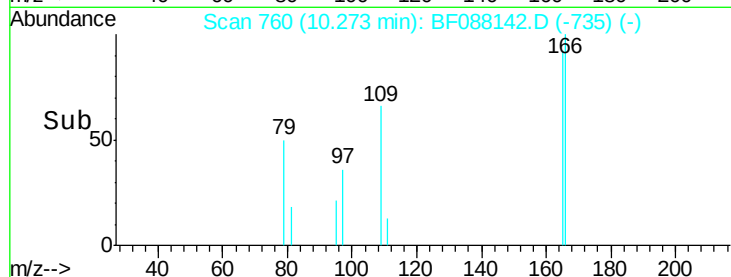
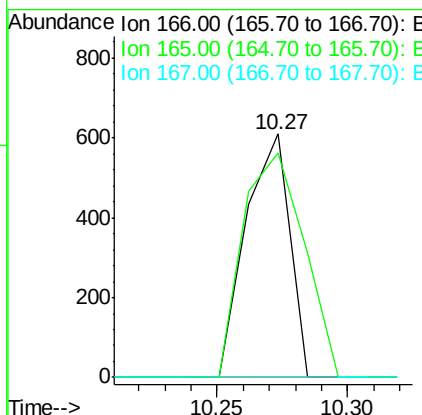
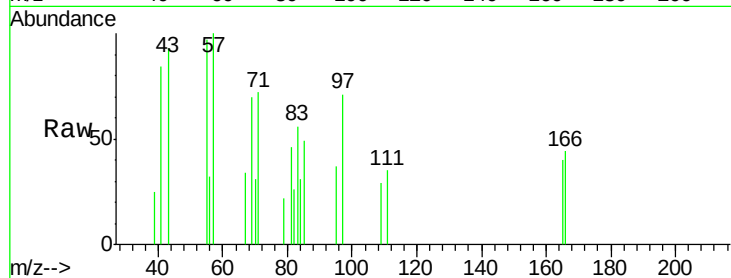




#57
 Fluorene
 Concen: Below Cal
 RT: 10.27 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF088142.D
 Acq: 18 Jun 2016 19:06

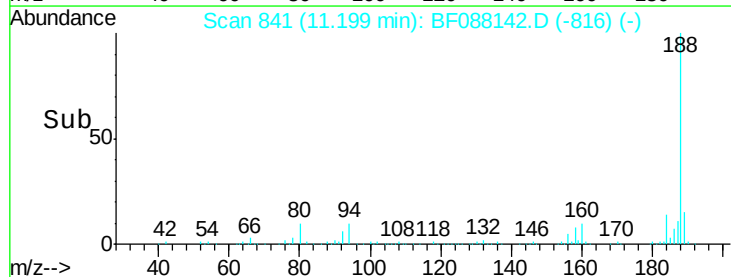
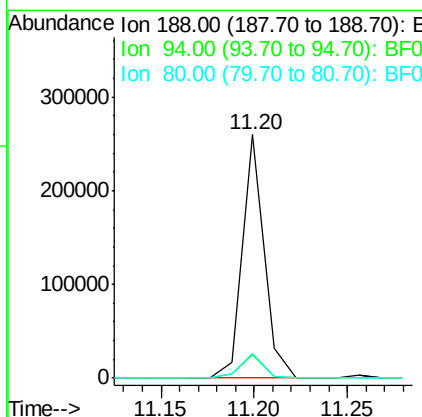
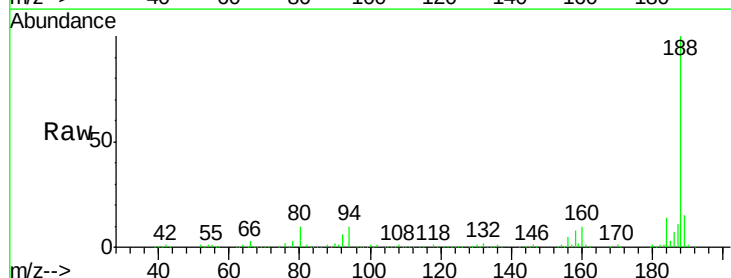
Instrument :
 BNA_F
 ClientSampleId :
 P8-B3(0-5)C

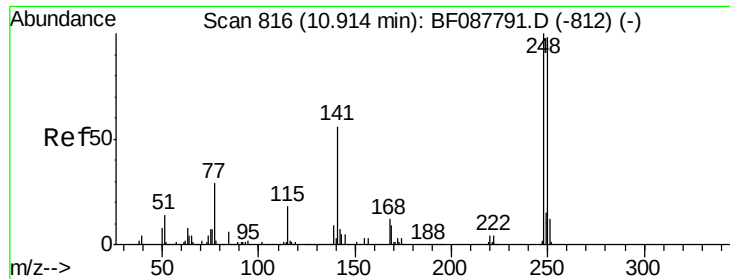
Tgt Ion:166 Resp: 716
 Ion Ratio Lower Upper
 166 100
 165 92.3 77.8 116.8
 167 0.0 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF088142.D
 Acq: 18 Jun 2016 19:06

Tgt Ion:188 Resp: 212254
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.0 13.6
 80 10.4 10.0 15.0

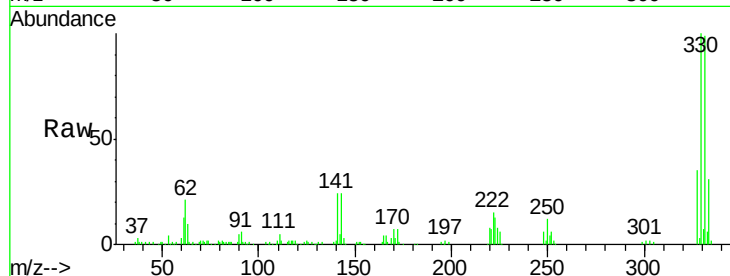




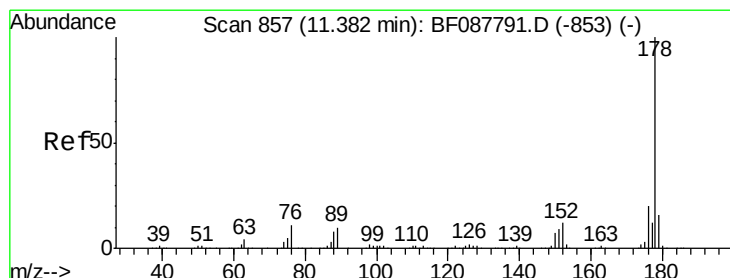
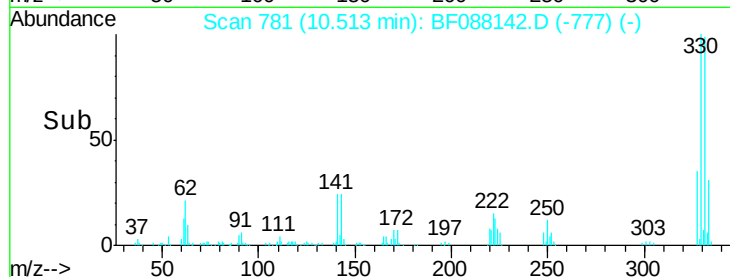
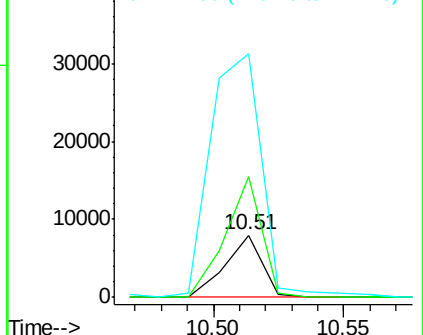
#66
 4-Bromophenyl-phenylether
 Concen: 3.47 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.25 min
 Lab File: BF088142.D
 Acq: 18 Jun 2016 19:06

Instrument :
 BNA_F
 ClientSampleId :
 P8-B3(0-5)C

Tgt Ion: 248 Resp: 7905
 Ion Ratio Lower Upper
 248 100
 250 193.6 77.1 115.7#
 141 390.7 50.6 76.0#

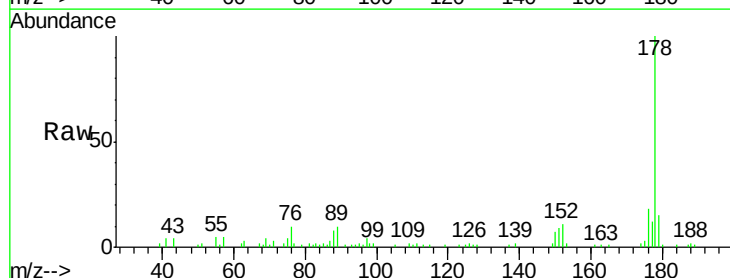


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

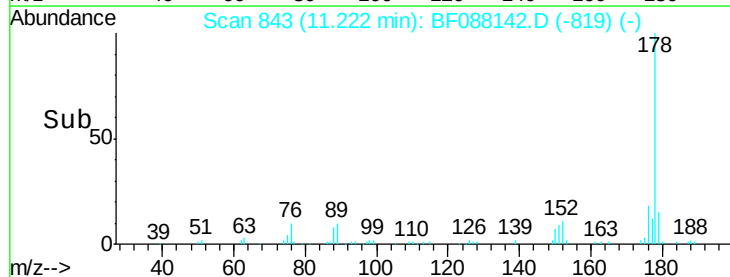
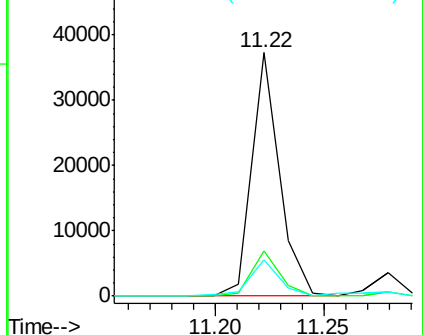


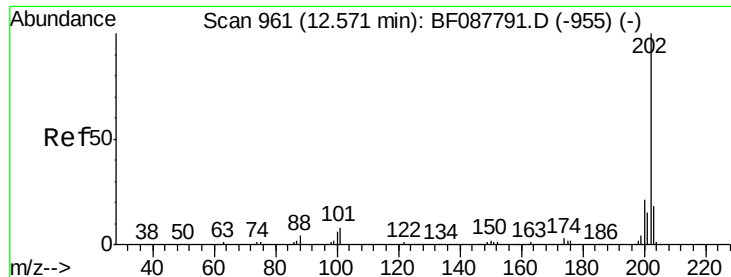
#70
 Phenanthrene
 Concen: 2.96 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.02 min
 Lab File: BF088142.D
 Acq: 18 Jun 2016 19:06

Tgt Ion: 178 Resp: 32965
 Ion Ratio Lower Upper
 178 100
 176 18.4 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: 2.53 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

Instrument :

BNA_F

ClientSampleId :

P8-B3(0-5)C

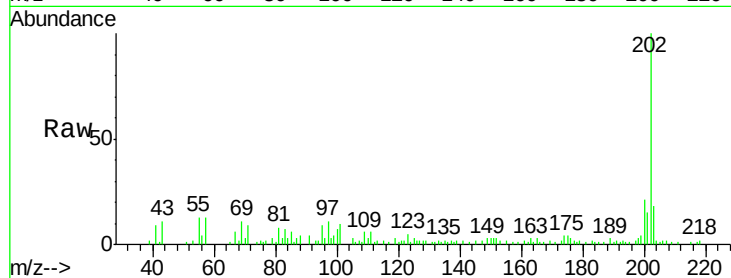
Tgt Ion: 202 Resp: 29745

Ion Ratio Lower Upper

202 100

101 9.7 0.0 33.1

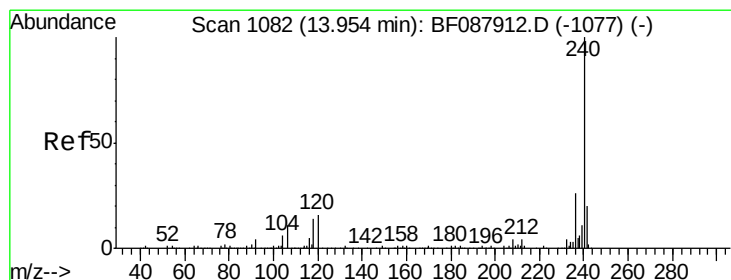
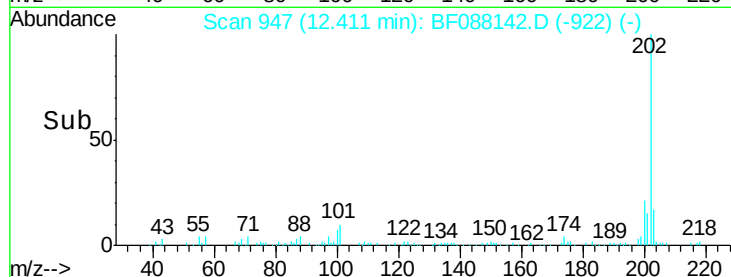
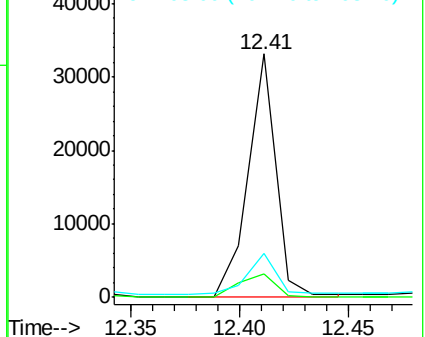
203 18.1 0.0 38.1



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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

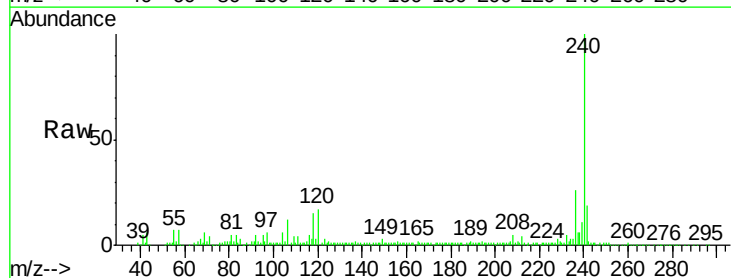
Tgt Ion: 240 Resp: 161217

Ion Ratio Lower Upper

240 100

120 16.7 6.8 10.2#

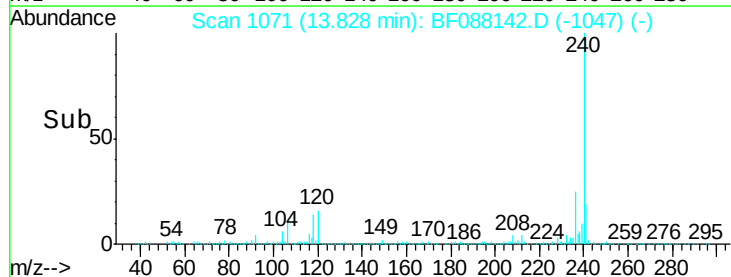
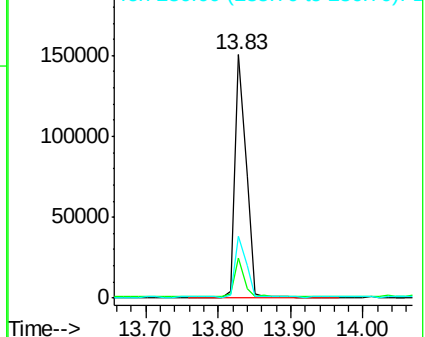
236 25.6 20.2 30.2

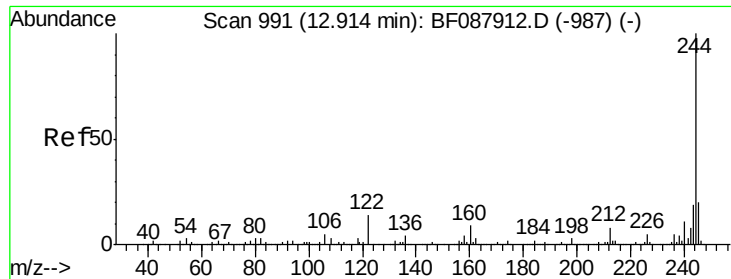


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

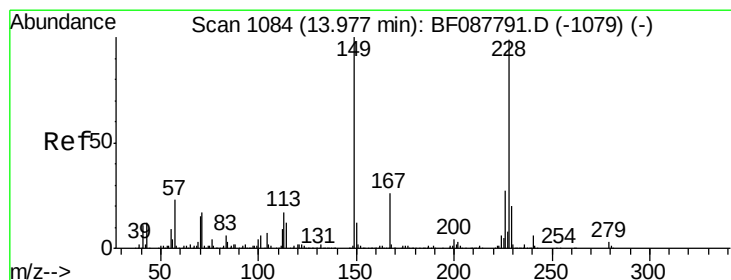
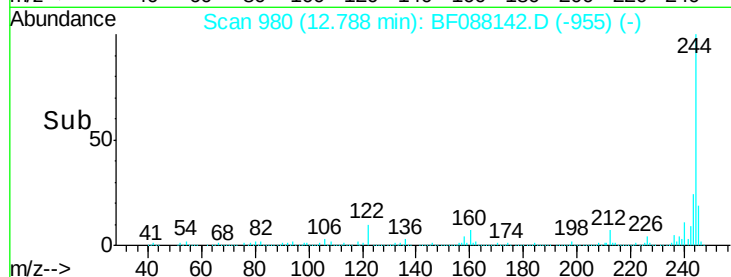
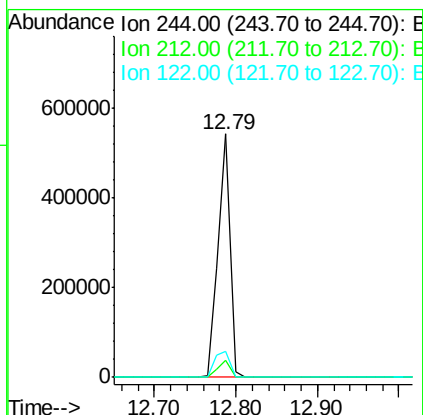
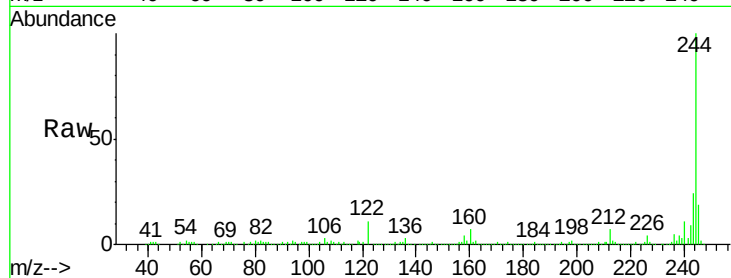




#78
 Terphenyl-d14
 Concen: 78.30 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088142.D
 Acq: 18 Jun 2016 19:06

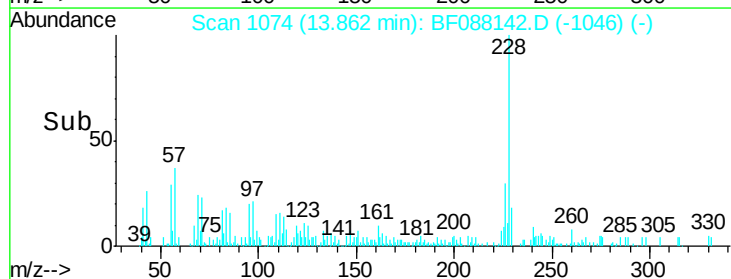
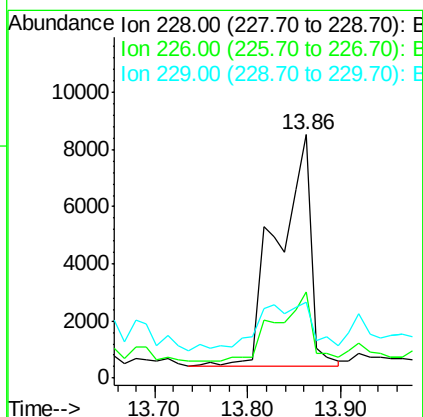
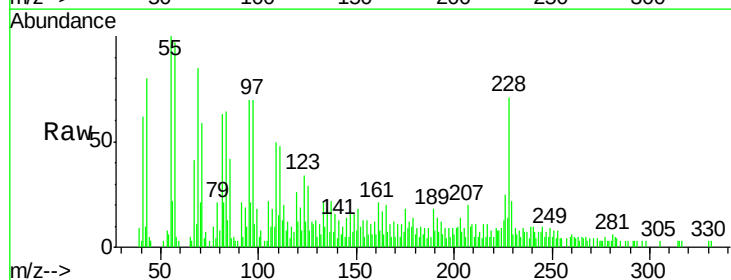
Instrument :
 BNA_F
 ClientSampleId :
 P8-B3(0-5)C

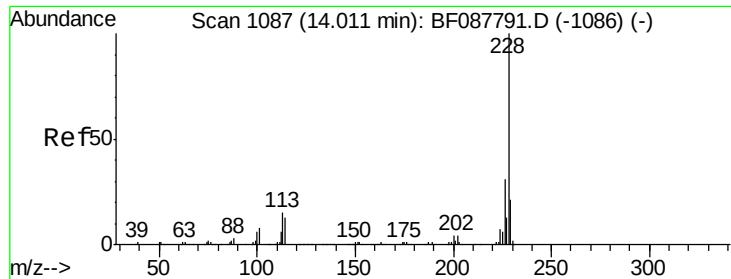
Tgt Ion:244 Resp: 554743
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 10.6 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 2.22 ng
 RT: 13.86 min Scan# 1074
 Delta R.T. 0.02 min
 Lab File: BF088142.D
 Acq: 18 Jun 2016 19:06

Tgt Ion:228 Resp: 20425
 Ion Ratio Lower Upper
 228 100
 226 35.6 22.3 33.5#
 229 31.2 16.0 24.0#





#82

Chrysene

Concen: 2.36 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

Instrument :

BNA_F

ClientSampleId :

P8-B3(0-5)C

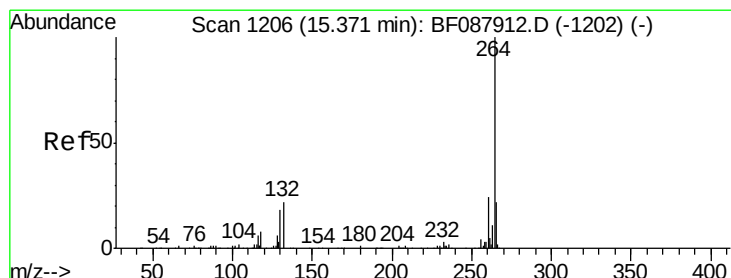
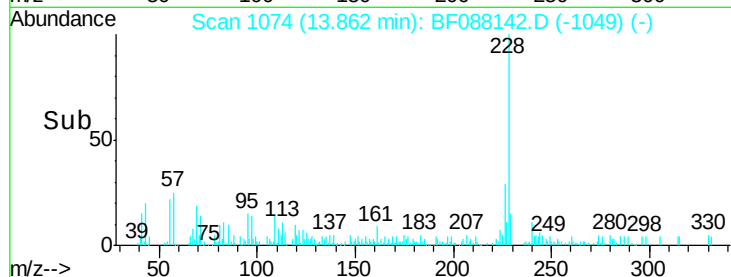
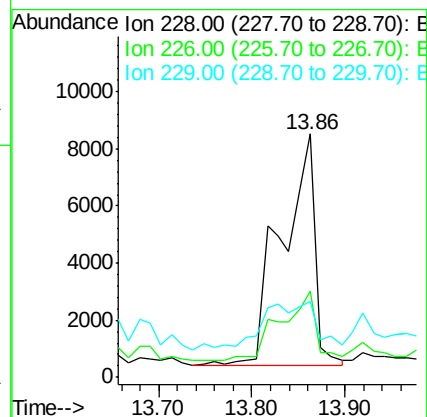
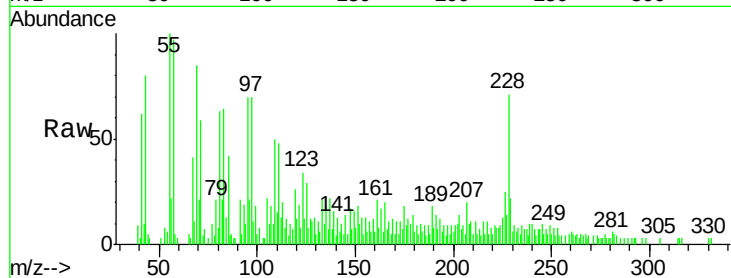
Tgt Ion:228 Resp: 20425

Ion Ratio Lower Upper

228 100

226 35.6 25.4 38.2

229 31.2 16.3 24.5#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.22 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BF088142.D

Acq: 18 Jun 2016 19:06

Tgt Ion:264 Resp: 126425

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.7 16.9 25.3

