

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061616\
 Data File : BF088085.D
 Acq On : 16 Jun 2016 19:48
 Operator : UM/SJ
 Sample : H3571-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-28-COMP

Quant Time: Jun 17 04:07:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 16 14:54:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	147550	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	550496	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	261950	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	459362	20.00	ng	0.00
75) Chrysene-d12	13.86	240	290464	20.00	ng	0.00
86) Perylene-d12	15.25	264	273596	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	697630	80.83	ng	0.00
7) Phenol-d6	6.36	99	819170	78.31	ng	0.00
23) Nitrobenzene-d5	7.29	82	587920	62.36	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	206663	74.72	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	881023	50.59	ng	0.00
78) Terphenyl-d14	12.82	244	743248	58.23	ng	0.00

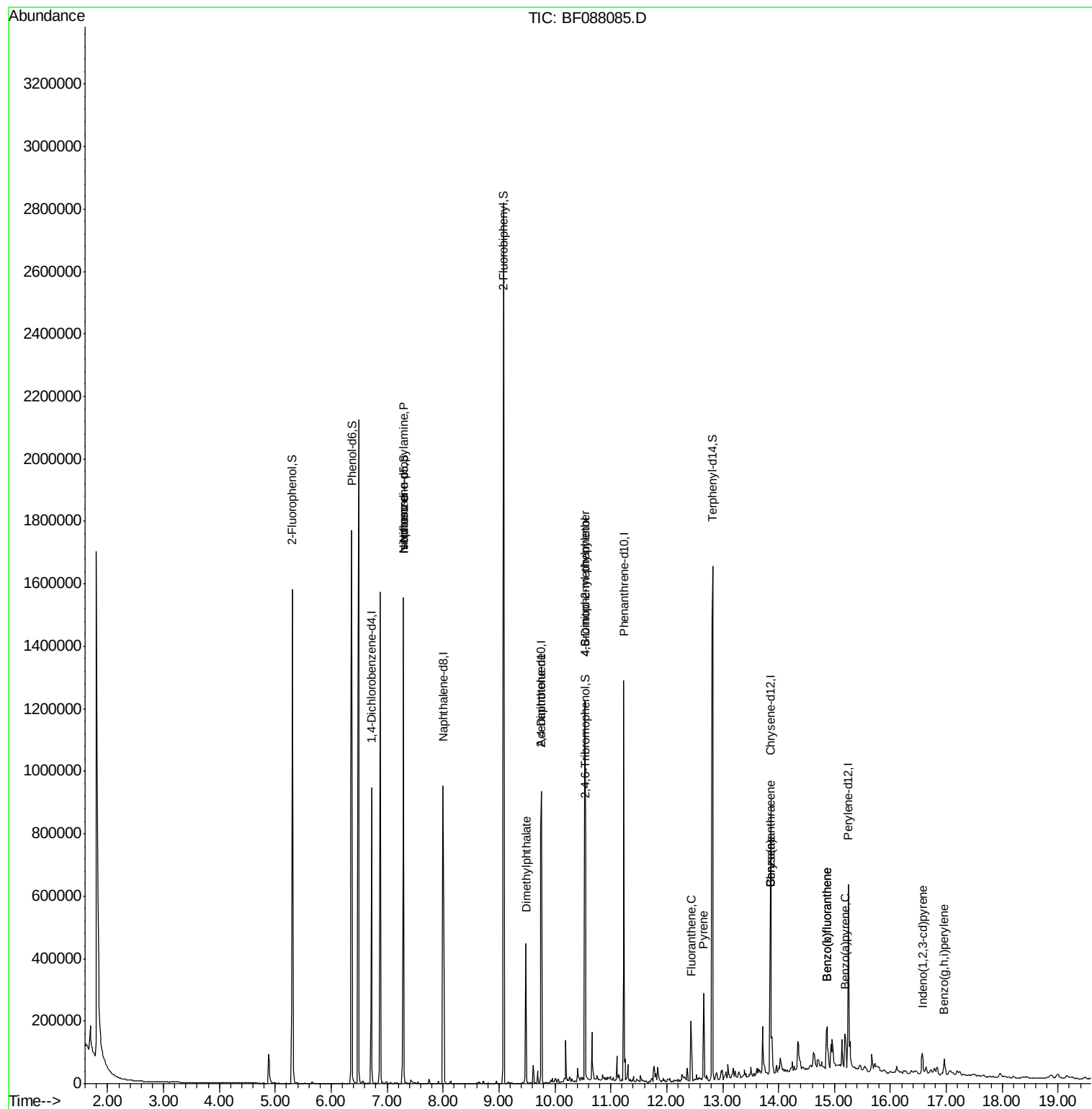
Target Compounds				Qvalue		
10) Phenol	6.38	94	10673	Below Cal	#	67
19) n-Nitroso-di-n-propylamine	7.29	70	76888	11.49	ng	# 70
25) Isophorone	7.29	82	573878	32.86	ng	# 65
45) 1,1'-Biphenyl	9.18	154	551	Below Cal	#	43
49) Dimethylphthalate	9.48	163	288903	15.23	ng	98
56) 2,4-Dinitrotoluene	9.76	165	32766	5.87	ng	# 38
57) Fluorene	10.30	166	4076	Below Cal	#	86
64) 4,6-Dinitro-2-methylphenol	10.54	198	256	2.25	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	12521	2.54	ng	# 1
74) Fluoranthene	12.43	202	86189	3.39	ng	96
77) Pyrene	12.66	202	108015	5.01	ng	98
80) Benzo(a)anthracene	13.85	228	57725	3.49	ng	# 90
82) Chrysene	13.85	228	57725	3.71	ng	95
85) Indeno(1,2,3-cd)pyrene	16.57	276	40026	2.77	ng	# 100
87) Benzo(b)fluoranthene	14.87	252	98383	5.16	ng	# 94
88) Benzo(k)fluoranthene	14.87	252	98383	6.84	ng	100
89) Benzo(a)pyrene	15.19	252	55076	3.57	ng	95
91) Benzo(g,h,i)perylene	16.96	276	43486	2.95	ng	97

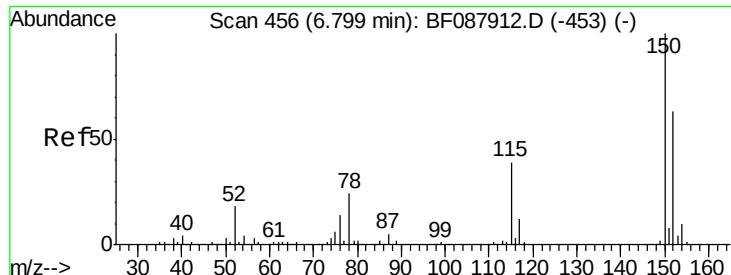
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-28-COMP

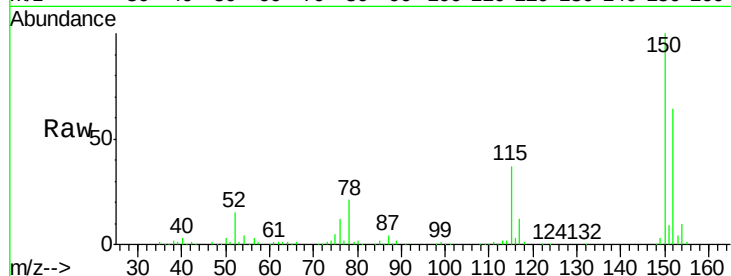
Tgt Ion:152 Resp: 147550

Ion Ratio Lower Upper

152 100

150 155.5 123.8 185.6

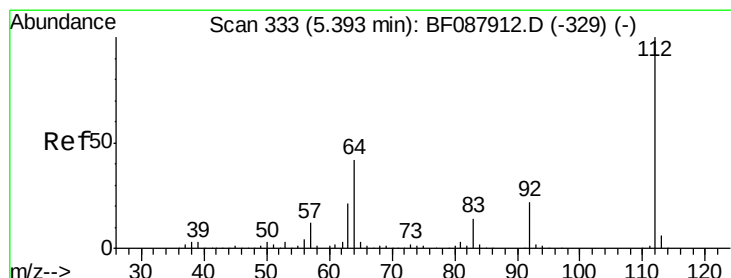
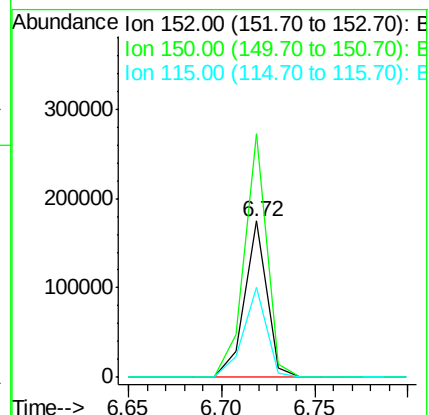
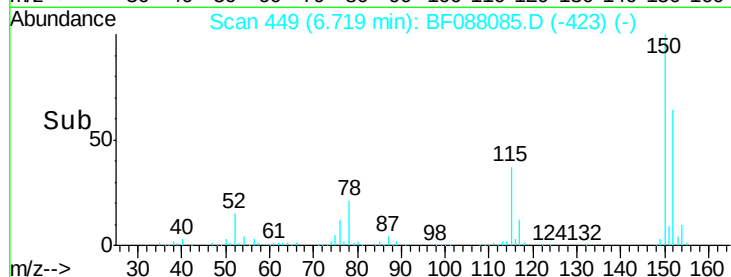
115 57.9 39.6 59.4



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: 80.83 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.00 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

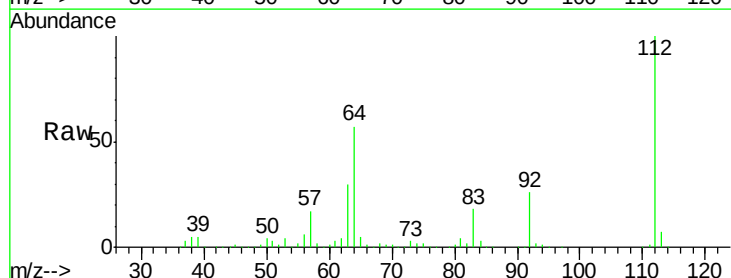
Tgt Ion:112 Resp: 697630

Ion Ratio Lower Upper

112 100

64 57.1 42.2 63.2

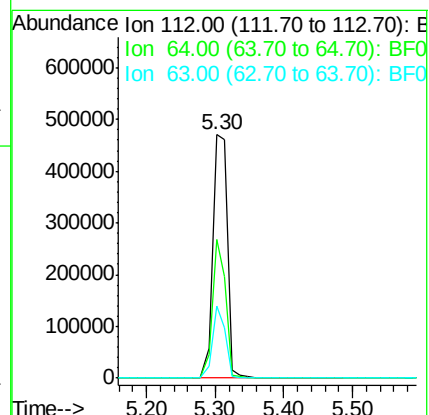
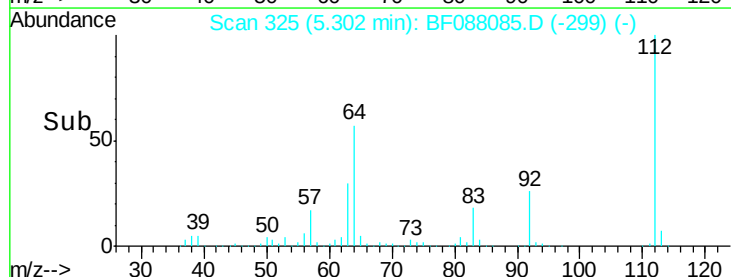
63 29.5 21.8 32.8

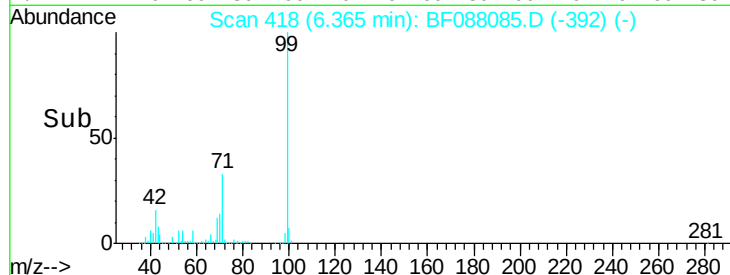
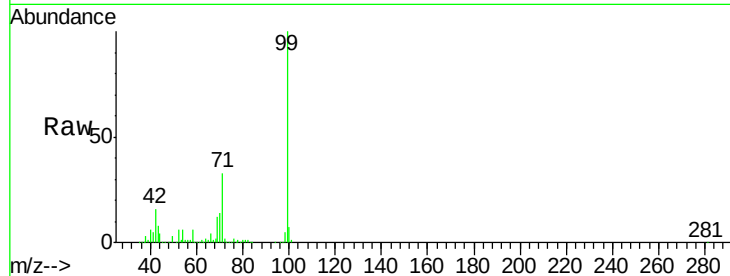
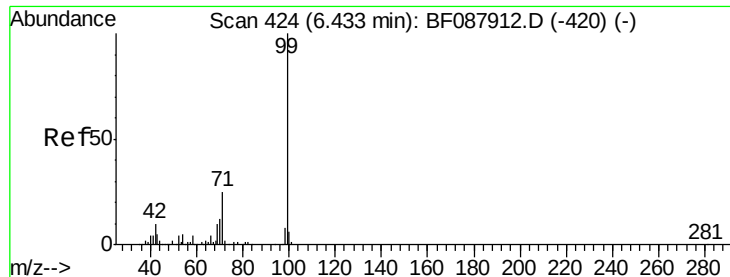


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 78.31 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-28-COMP

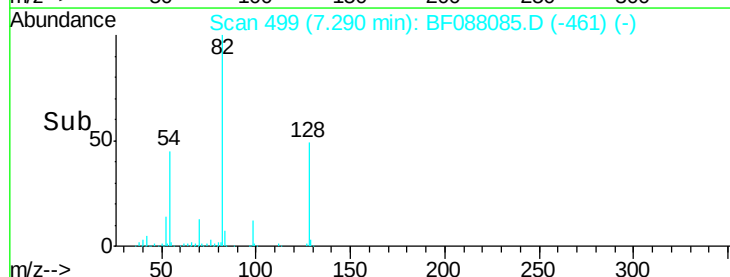
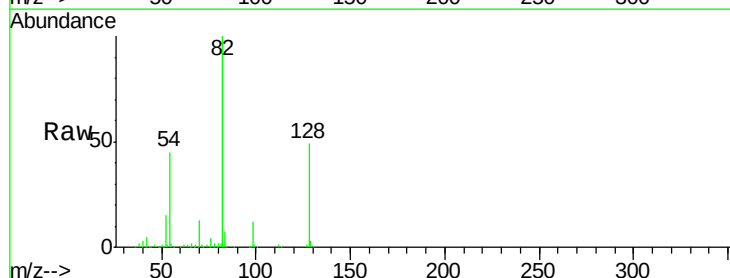
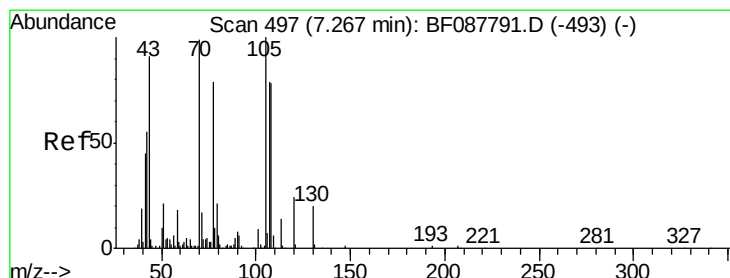
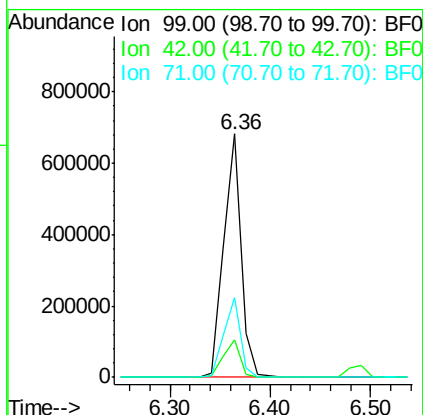
Tgt Ion: 99 Resp: 819170

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

71 32.6 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.49 ng

RT: 7.29 min Scan# 499

Delta R.T. 0.14 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

Tgt Ion: 70 Resp: 76888

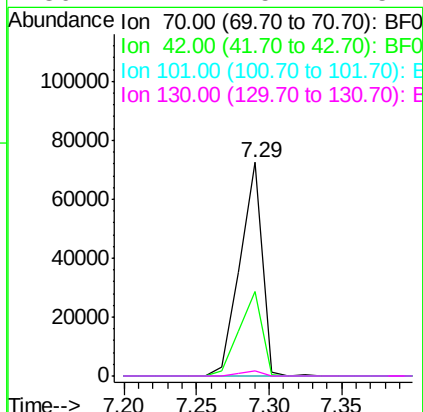
Ion Ratio Lower Upper

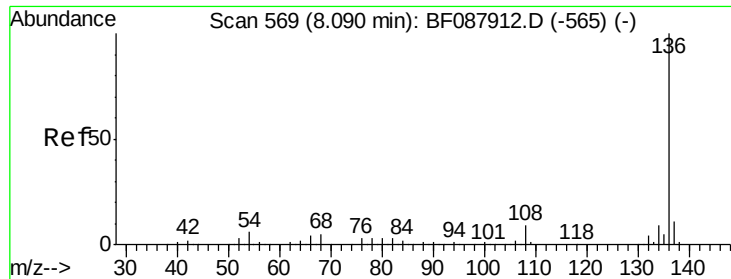
70 100

42 39.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

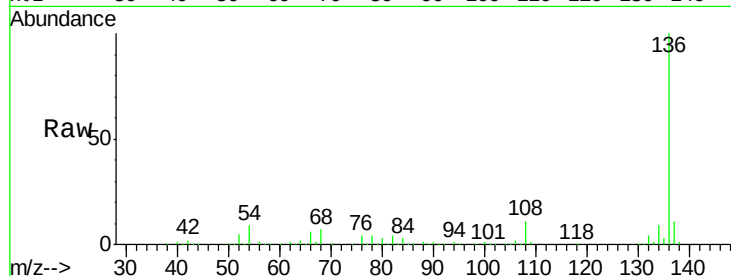




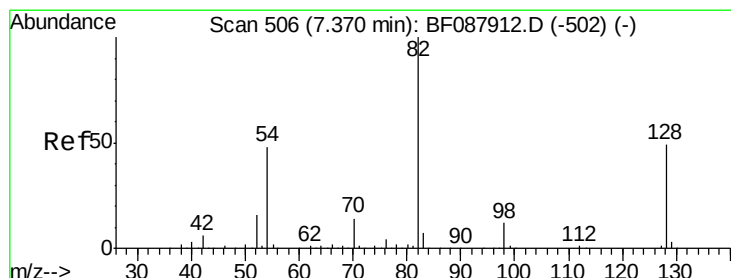
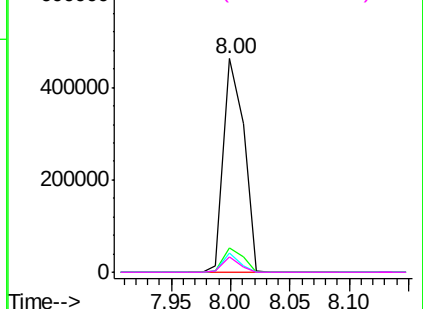
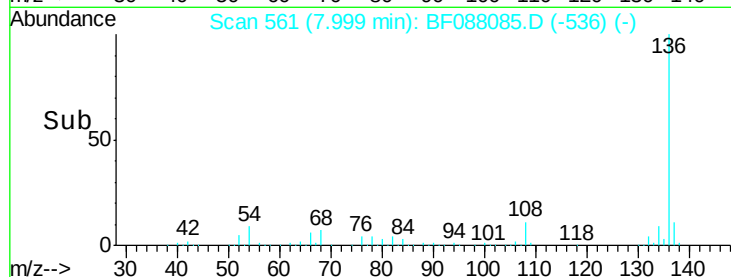
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.01 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

Tgt Ion:	136	Resp:	550496
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	9.2	6.6	10.0
68	7.3	5.1	7.7

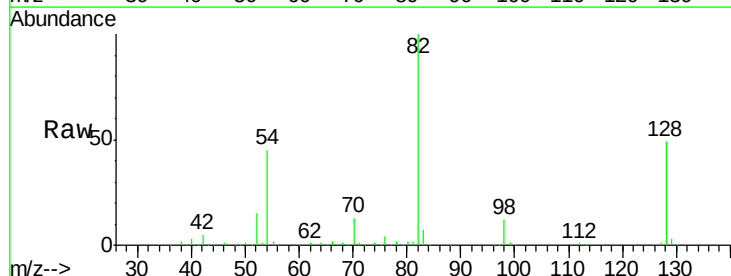


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

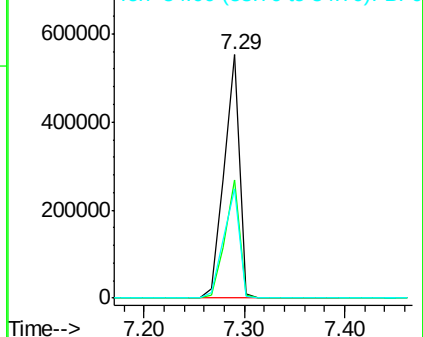
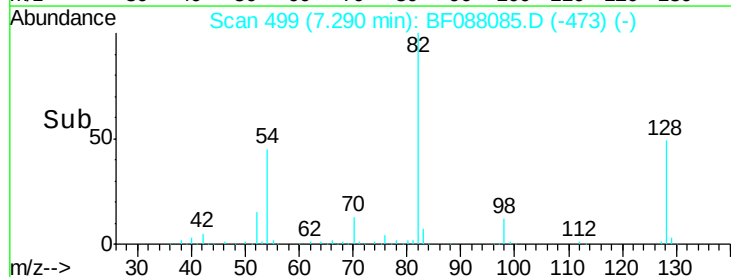


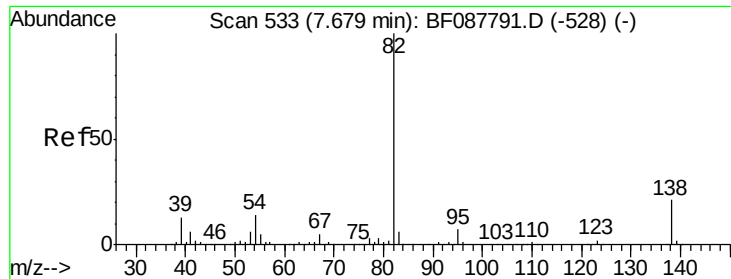
#23
Nitrobenzene-d5
Concen: 62.36 ng
RT: 7.29 min Scan# 499
Delta R.T. 0.00 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

Tgt Ion:	82	Resp:	587920
Ion	Ratio	Lower	Upper
82	100		
128	48.6	35.9	53.9
54	44.9	40.9	61.3



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





#25

Isophorone

Concen: 32.86 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.26 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-28-COMP

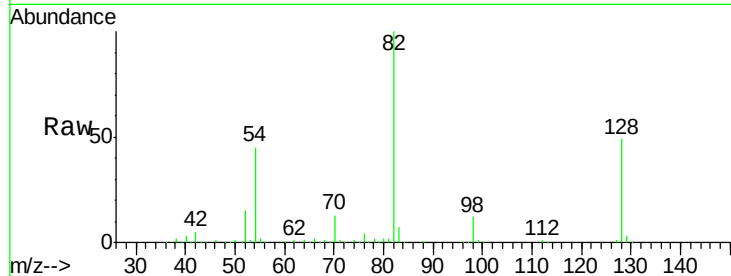
Tgt Ion: 82 Resp: 573878

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

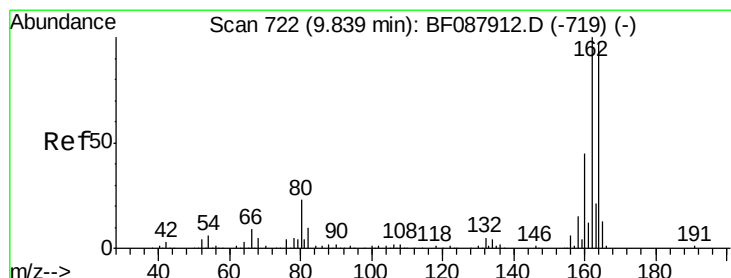
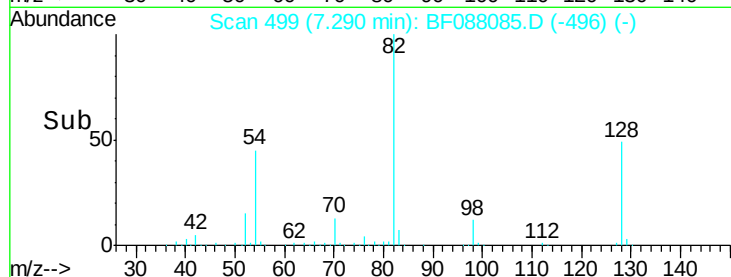
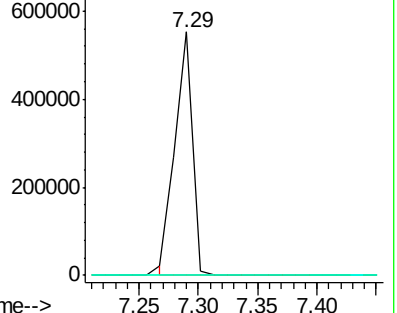
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF087791.D (-528) (-)

Ion 95.00 (94.70 to 95.70): BF087791.D (-528) (-)

Ion 138.00 (137.70 to 138.70): BF087791.D (-528) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

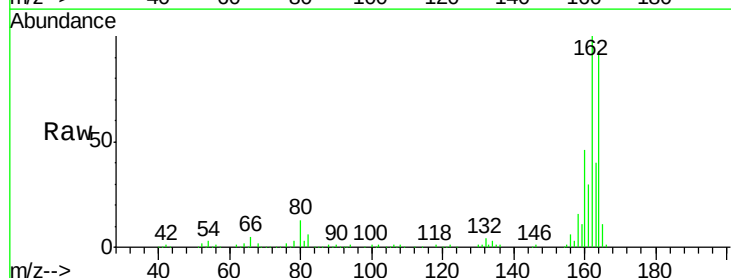
Tgt Ion: 164 Resp: 261950

Ion Ratio Lower Upper

164 100

162 107.8 85.4 128.2

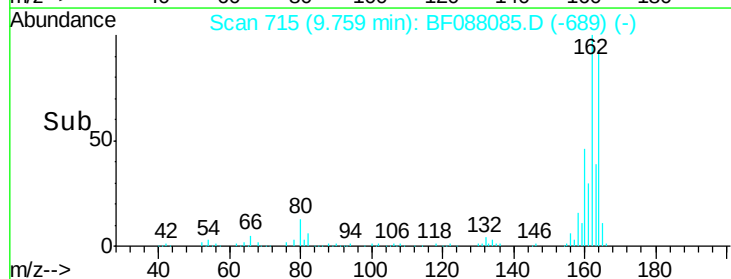
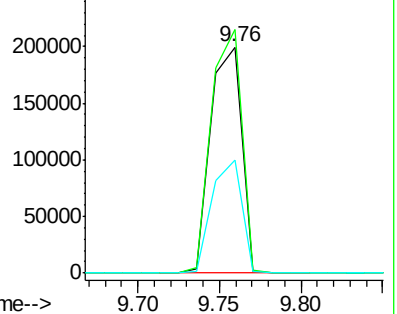
160 50.1 39.5 59.3

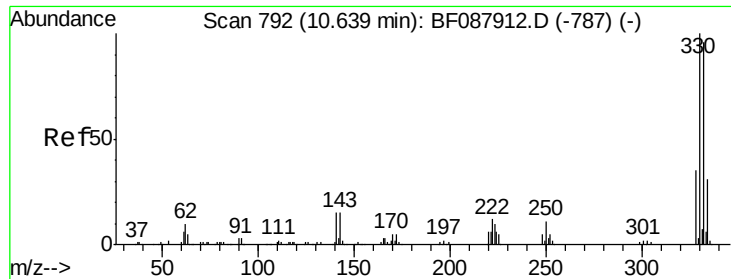


Abundance Ion 164.00 (163.70 to 164.70): BF087912.D (-719) (-)

Ion 162.00 (161.70 to 162.70): BF087912.D (-719) (-)

Ion 160.00 (159.70 to 160.70): BF087912.D (-719) (-)

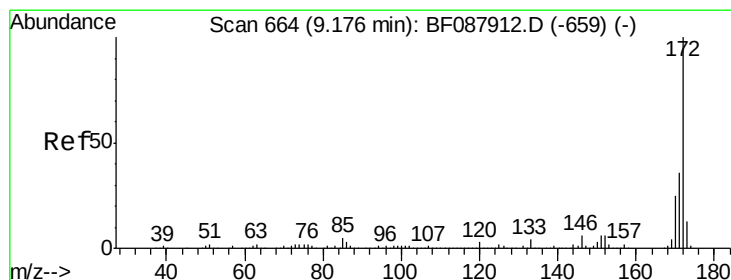
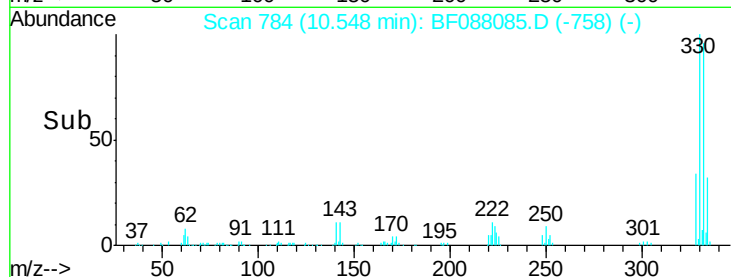
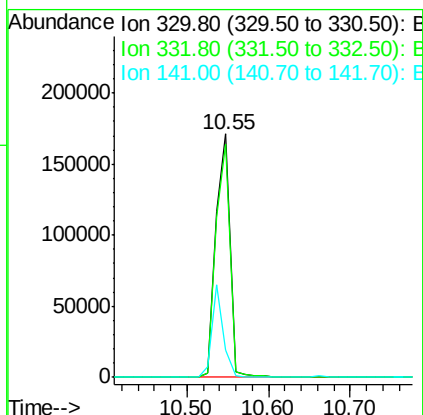
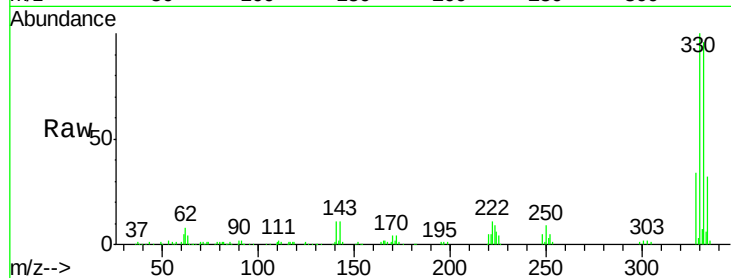




#41
 2,4,6-Tribromophenol
 Concen: 74.72 ng
 RT: 10.55 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: BF088085.D
 Acq: 16 Jun 2016 19:48

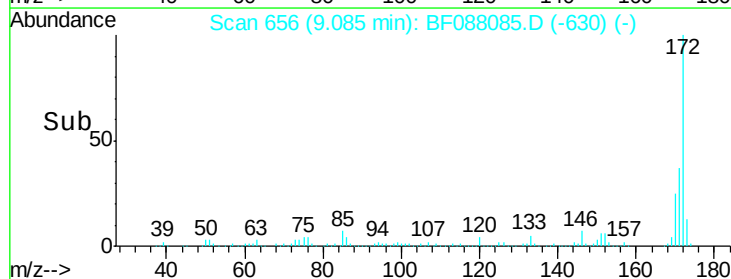
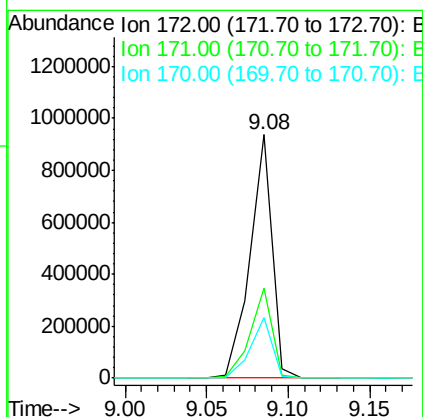
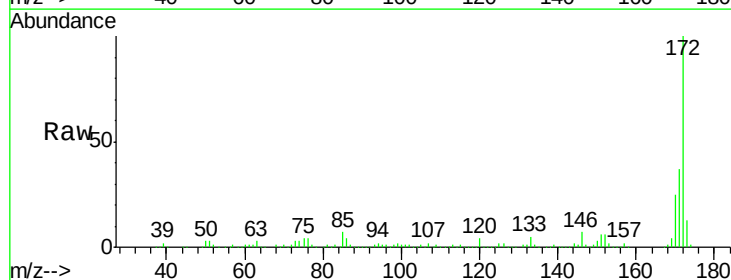
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 BNA_F
 ClientSampleId :
 SB-28-COMP

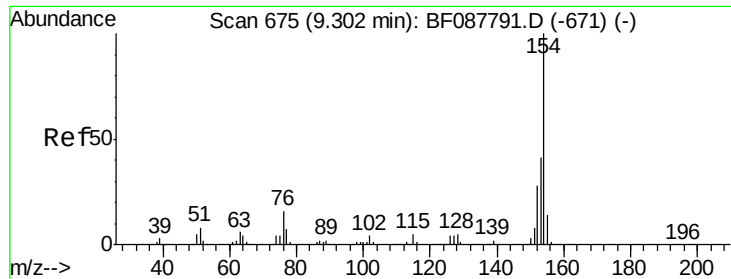
Tgt Ion:330 Resp: 206663
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 31.6 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 50.59 ng
 RT: 9.08 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: BF088085.D
 Acq: 16 Jun 2016 19:48

Tgt Ion:172 Resp: 881023
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.6 43.0
 170 24.8 19.2 28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.18 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

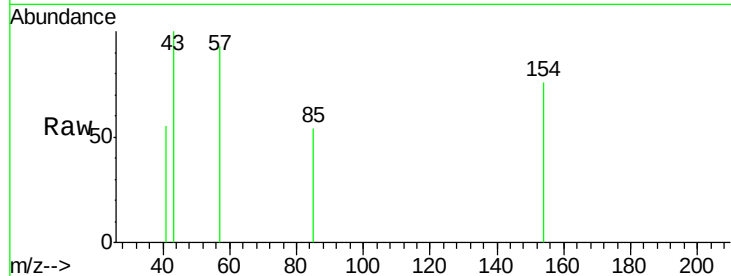
Instrument :

BNA_F

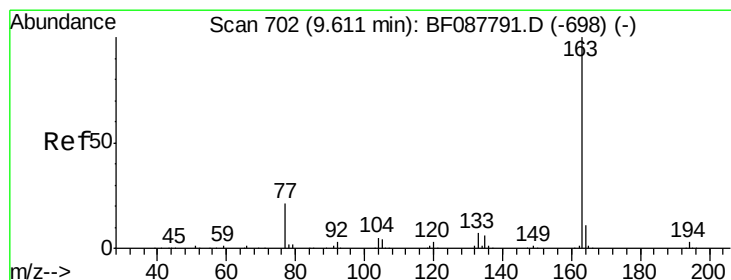
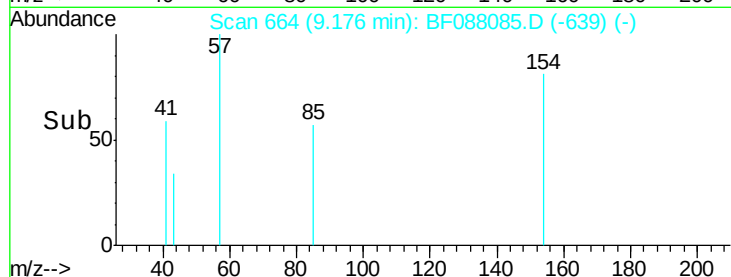
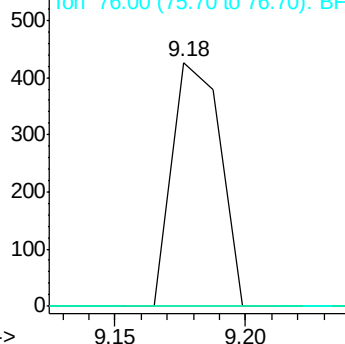
ClientSampleId :

SB-28-COMP

Tgt Ion:	154	Resp:	551
Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.6	60.6#
76	0.0	0.0	35.1



Abundance Ion 154.00 (153.70 to 154.70): E



#49

Dimethylphthalate

Concen: 15.23 ng

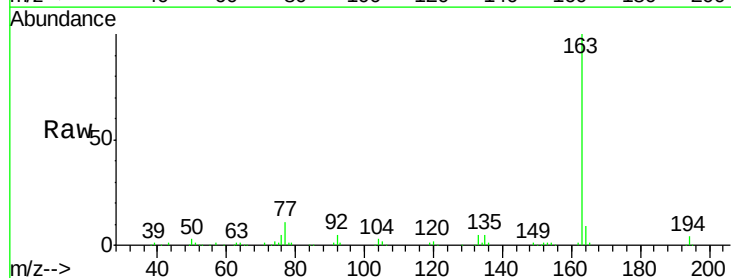
RT: 9.48 min Scan# 691

Delta R.T. -0.01 min

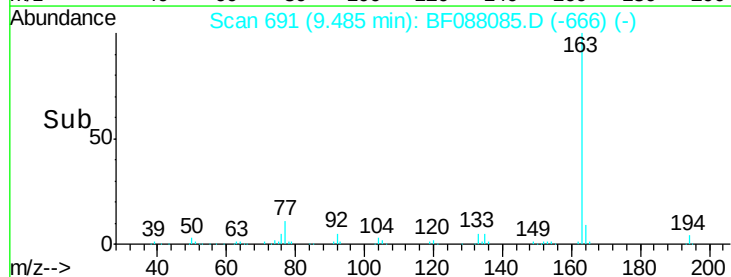
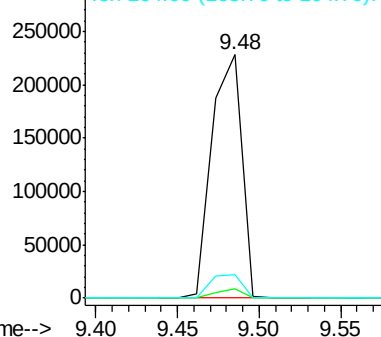
Lab File: BF088085.D

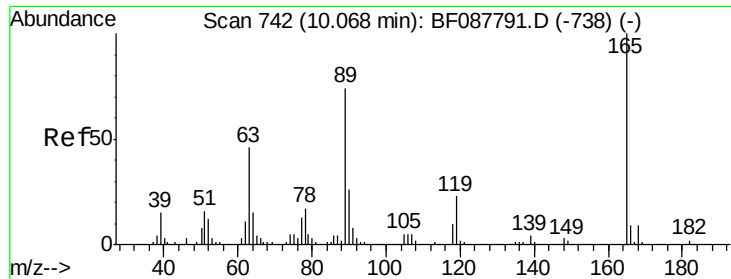
Acq: 16 Jun 2016 19:48

Tgt Ion:	163	Resp:	288903
Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.4	8.3	12.5



Abundance Ion 163.00 (162.70 to 163.70): E

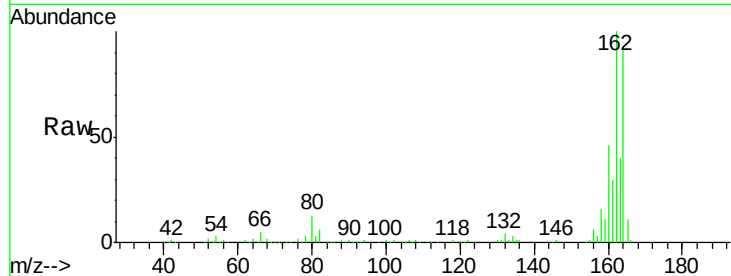




#56
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.19 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	2.1	41.1	61.7#
182	0.0	2.0	3.0#

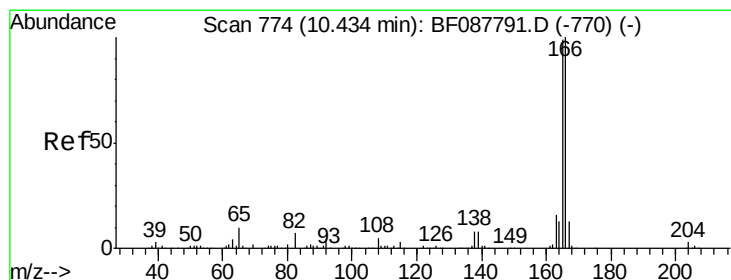
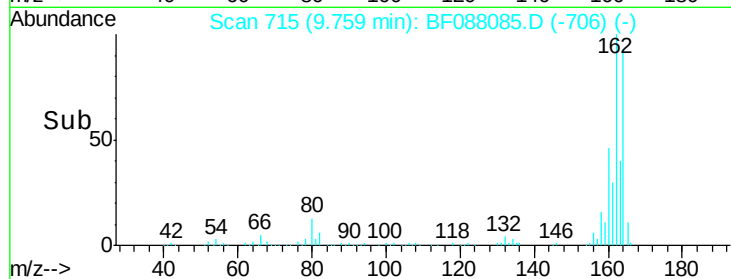
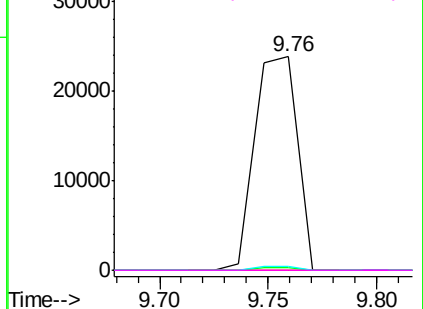


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

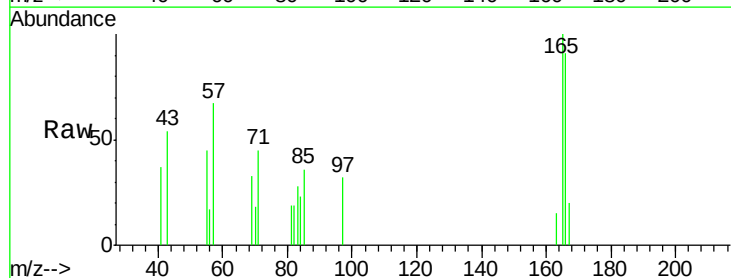
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.30 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

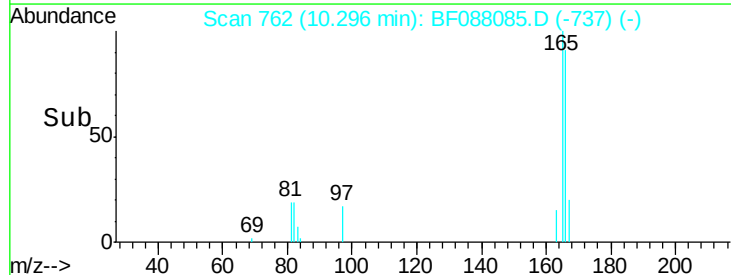
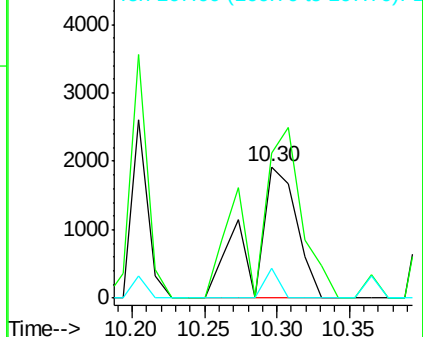
Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.9	77.8	116.8
167	22.4	11.2	16.8#

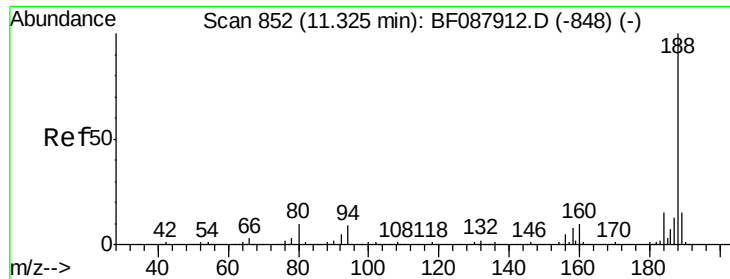


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

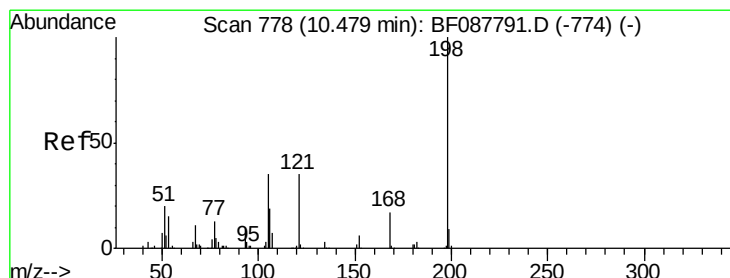
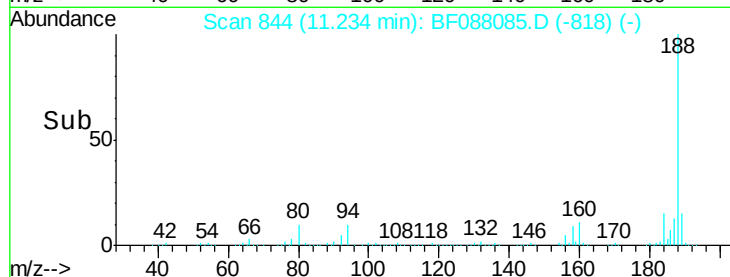
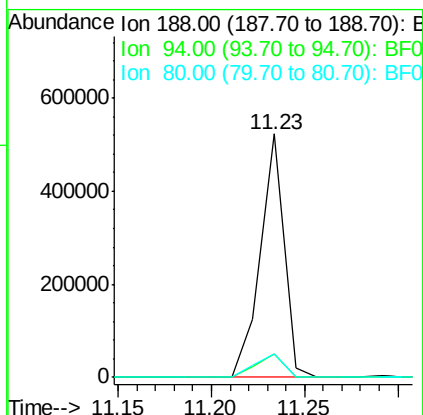
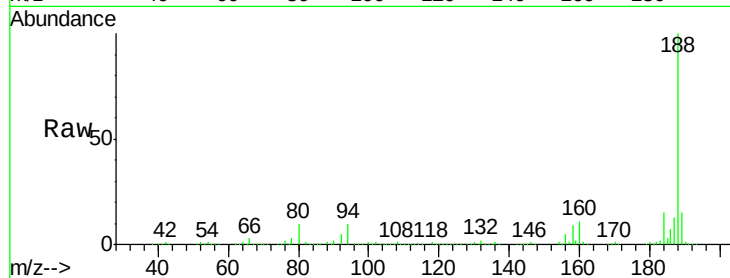




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. 0.00 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

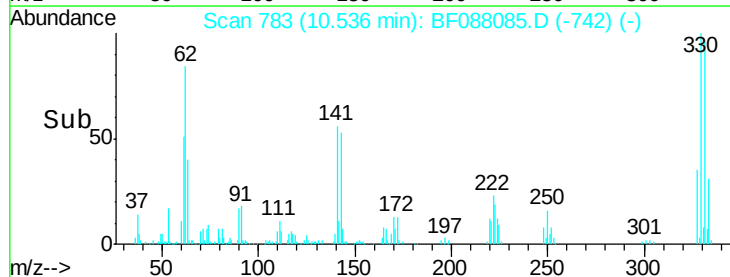
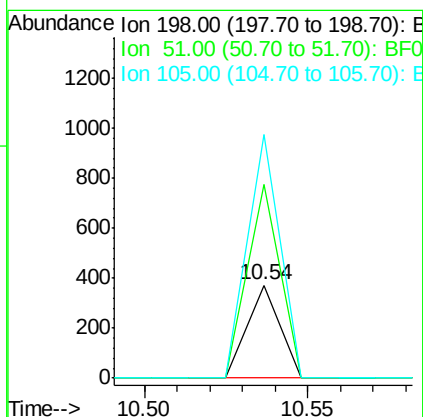
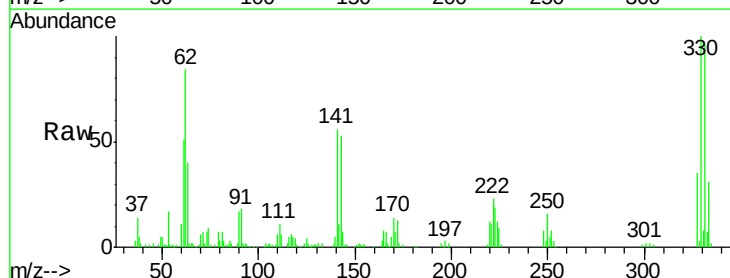
Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

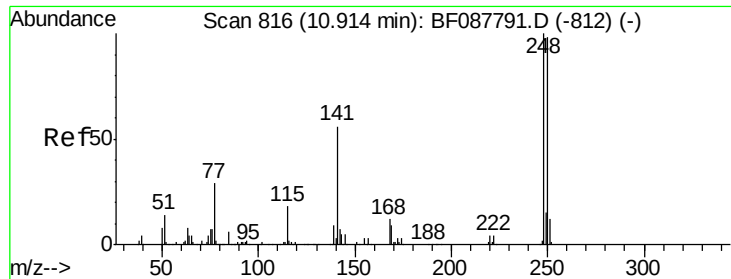
Tgt Ion:188 Resp: 459362
Ion Ratio Lower Upper
188 100
94 9.5 9.0 13.6
80 9.6 10.0 15.0#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.25 ng
RT: 10.54 min Scan# 783
Delta R.T. 0.17 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

Tgt Ion:198 Resp: 256
Ion Ratio Lower Upper
198 100
51 207.5 39.6 79.6#
105 261.4 36.6 76.6#

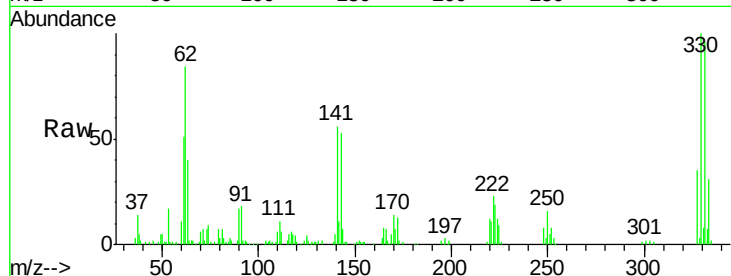




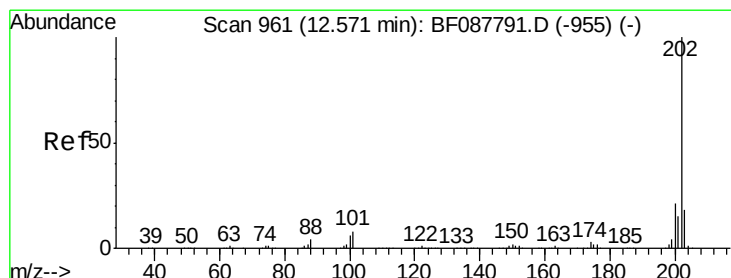
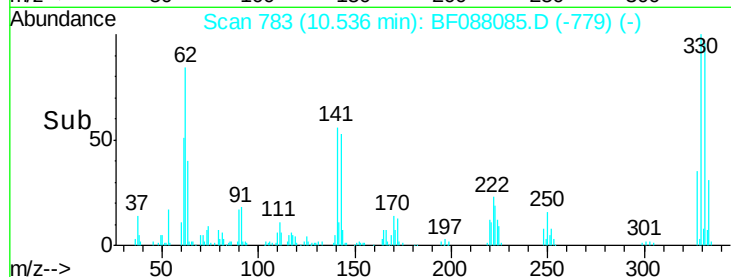
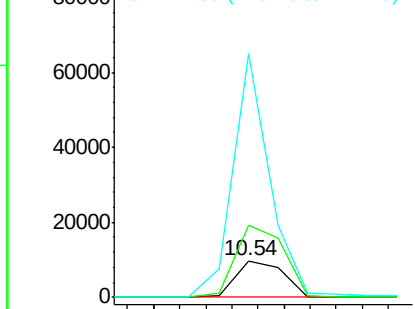
#66
 4-Bromophenyl-phenylether
 Concen: 2.54 ng
 RT: 10.54 min Scan# 783
 Delta R.T. -0.25 min
 Lab File: BF088085.D
 Acq: 16 Jun 2016 19:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-28-COMP

Tgt Ion:248 Resp: 12521
 Ion Ratio Lower Upper
 248 100
 250 195.6 77.1 115.7#
 141 666.0 50.6 76.0#

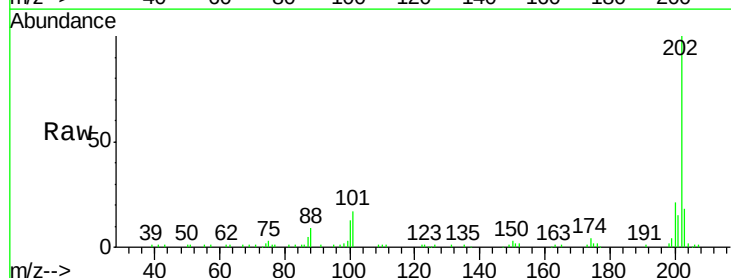


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

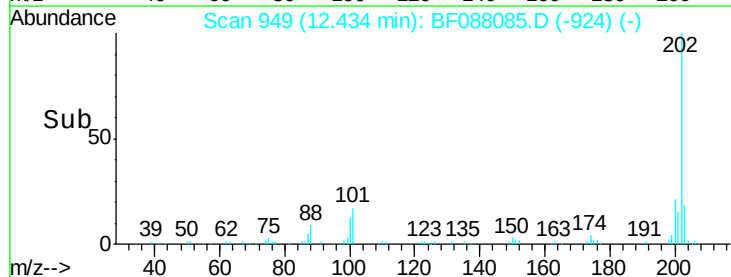
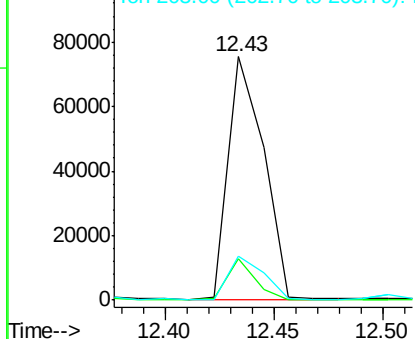


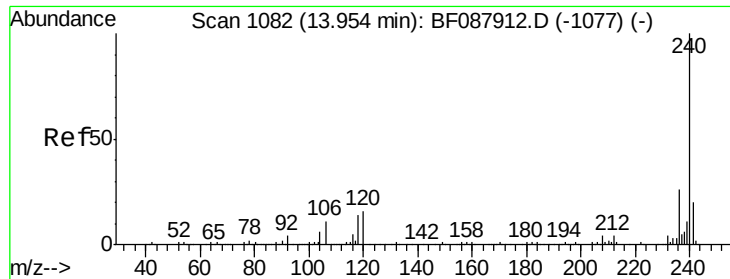
#74
 Fluoranthene
 Concen: 3.39 ng
 RT: 12.43 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BF088085.D
 Acq: 16 Jun 2016 19:48

Tgt Ion:202 Resp: 86189
 Ion Ratio Lower Upper
 202 100
 101 17.2 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

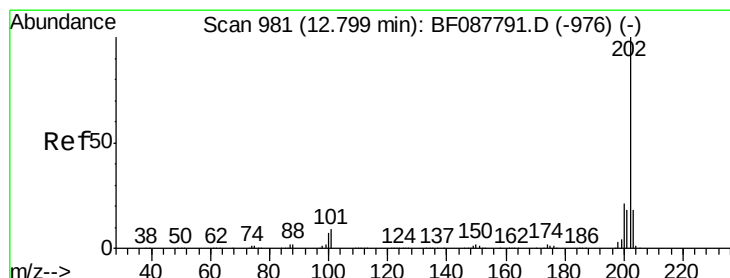
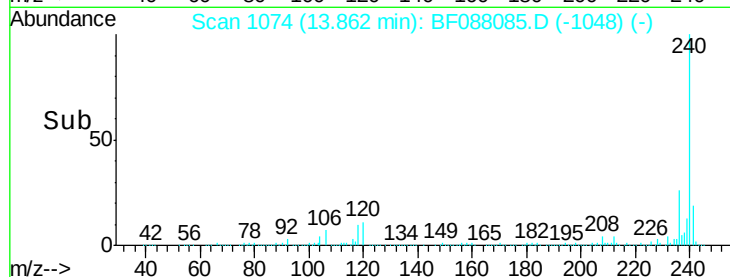
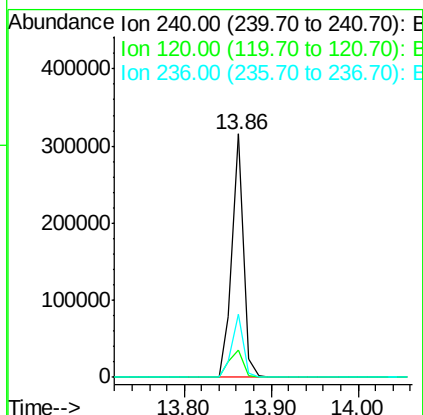
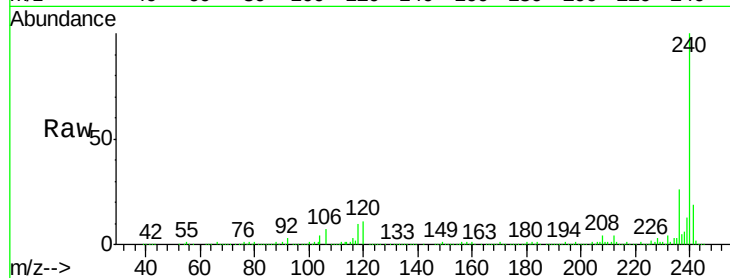




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

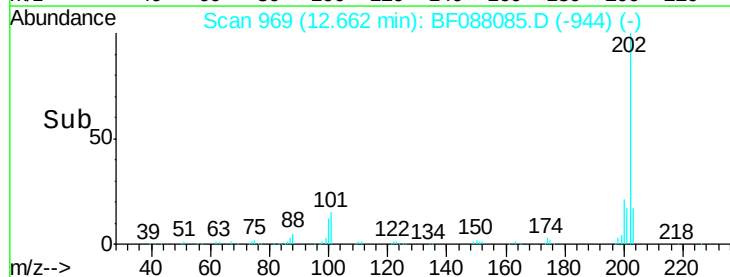
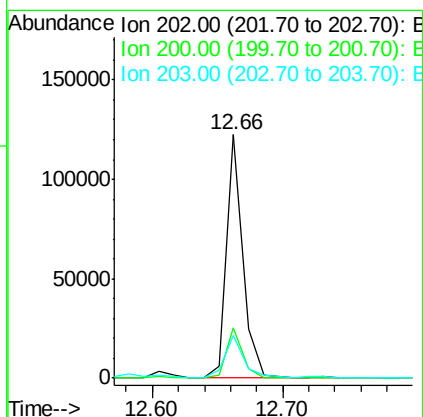
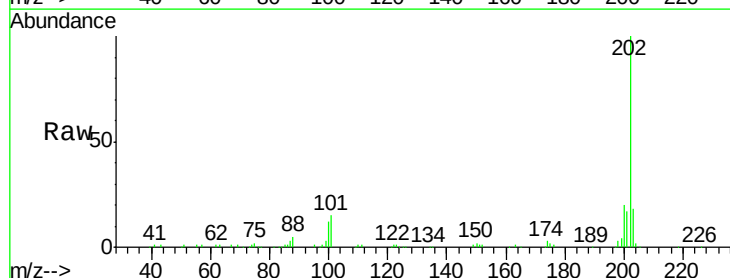
Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

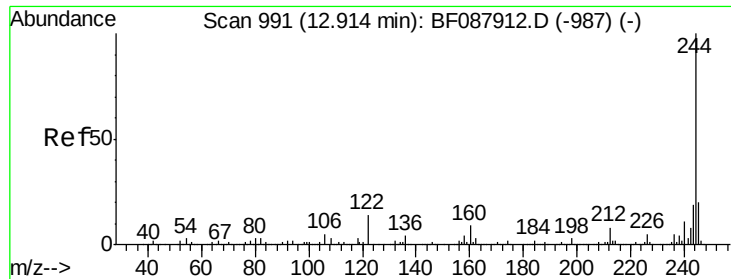
Tgt Ion:240 Resp: 290464
Ion Ratio Lower Upper
240 100
120 11.2 6.8 10.2#
236 25.7 20.2 30.2



#77
Pyrene
Concen: 5.01 ng
RT: 12.66 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

Tgt Ion:202 Resp: 108015
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 17.7 14.5 21.7





#78

Terphenyl-d14

Concen: 58.23 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-28-COMP

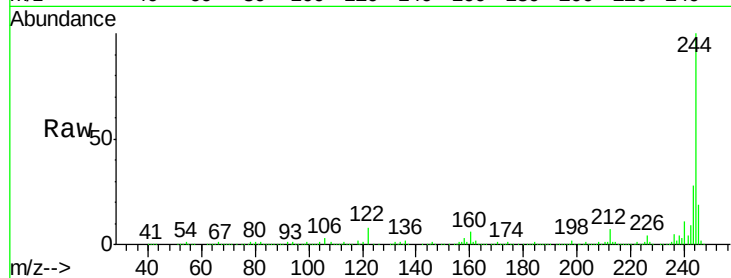
Tgt Ion:244 Resp: 743248

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 8.4 11.2 16.8#

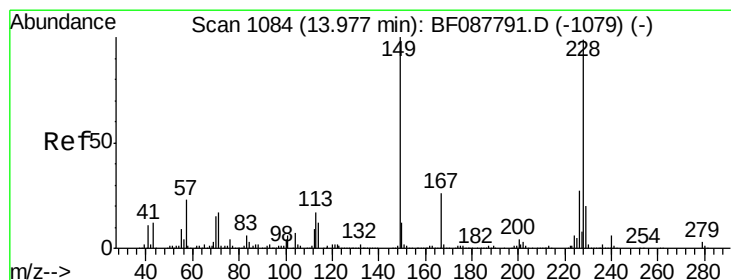
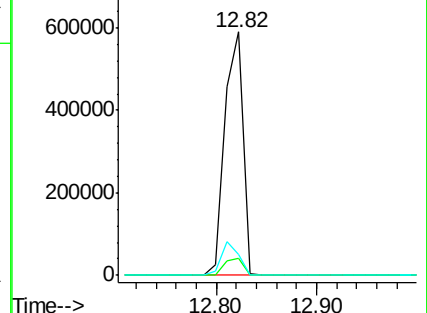
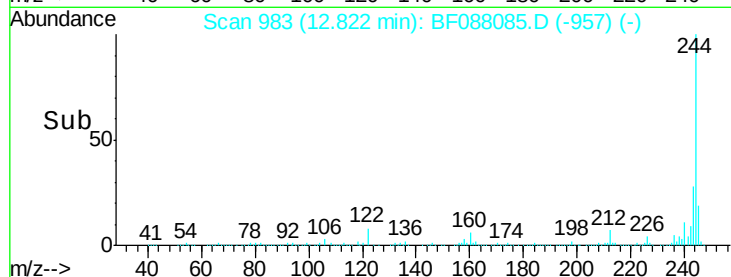


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.82



#80

Benzo(a)anthracene

Concen: 3.49 ng

RT: 13.85 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

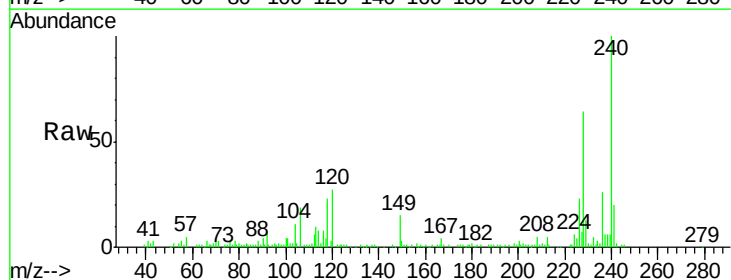
Tgt Ion:228 Resp: 57725

Ion Ratio Lower Upper

228 100

226 36.2 22.3 33.5#

229 20.8 16.0 24.0

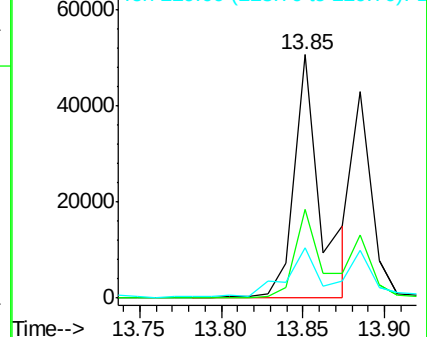
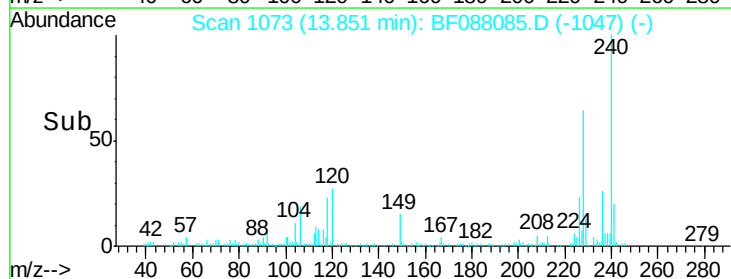


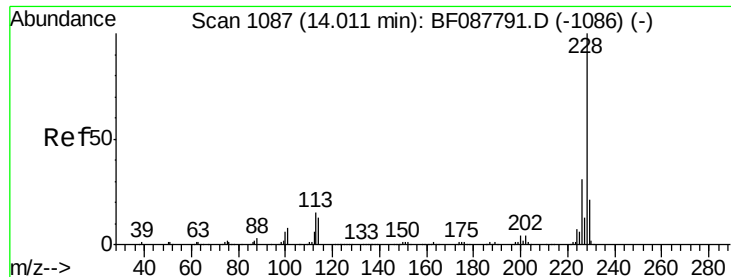
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.85





#82

Chrysene

Concen: 3.71 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.05 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-28-COMP

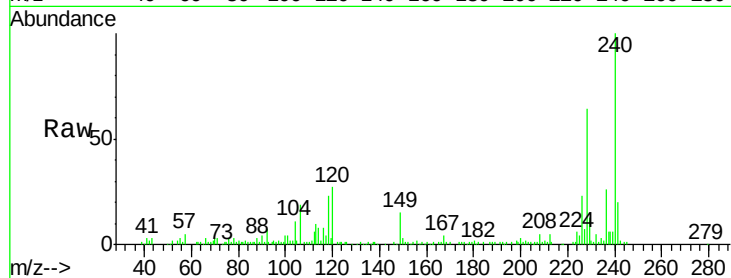
Tgt Ion:228 Resp: 57725

Ion Ratio Lower Upper

228 100

226 36.2 25.4 38.2

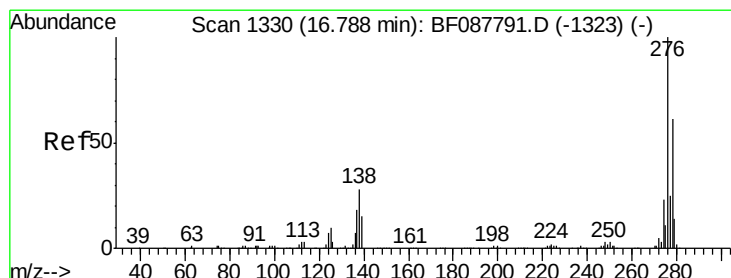
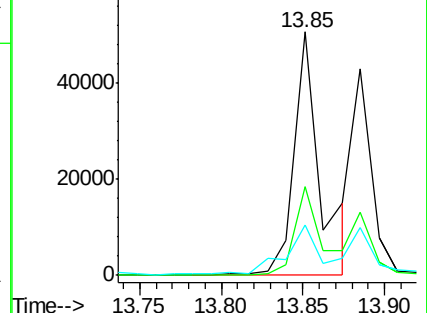
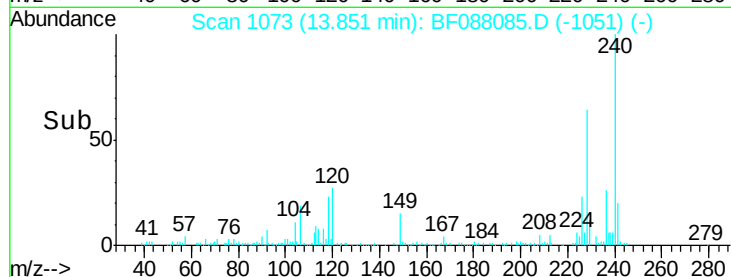
229 20.8 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.77 ng

RT: 16.57 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

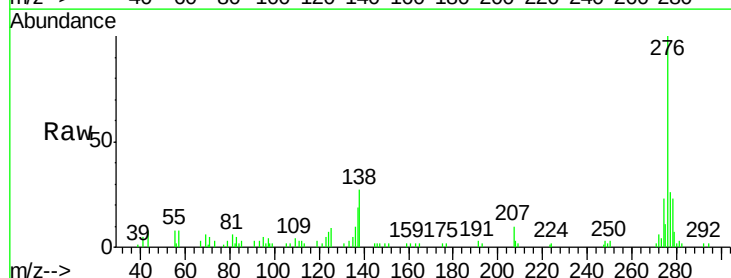
Tgt Ion:276 Resp: 40026

Ion Ratio Lower Upper

276 100

138 25.0 0.0 0.0#

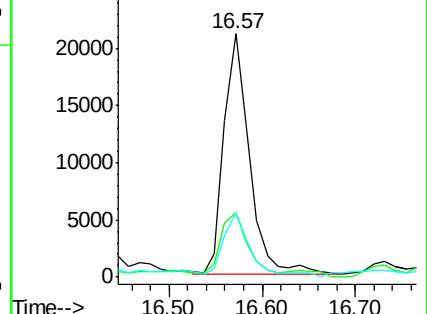
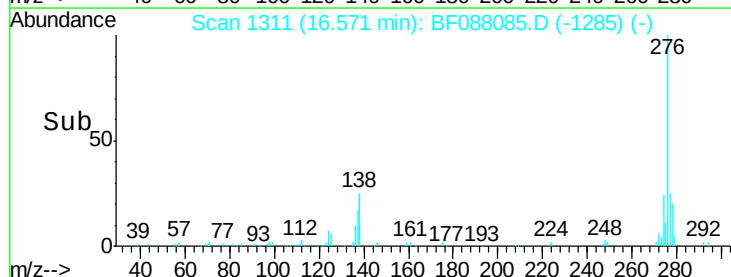
277 28.6 0.0 0.0#

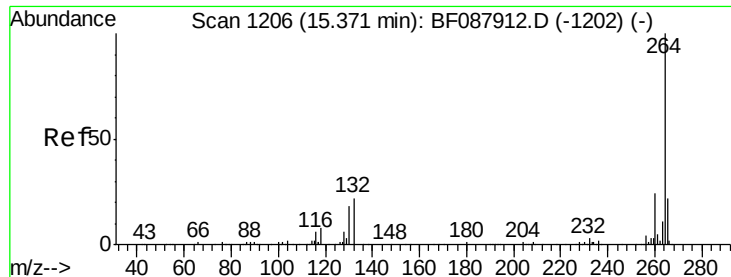


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

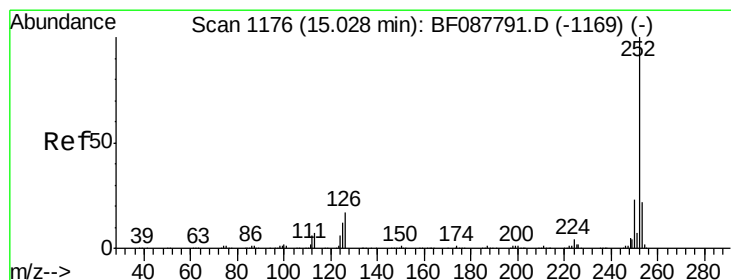
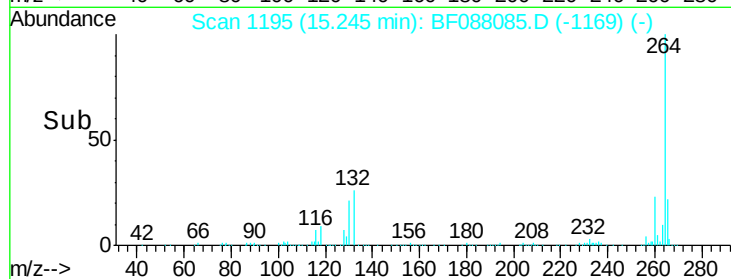
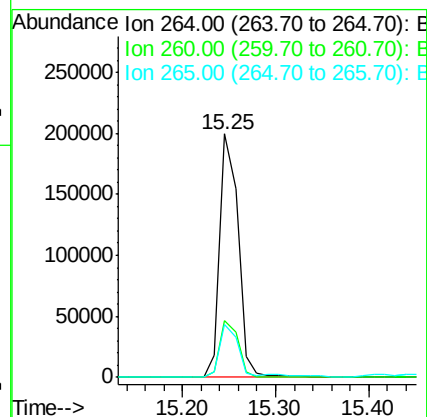
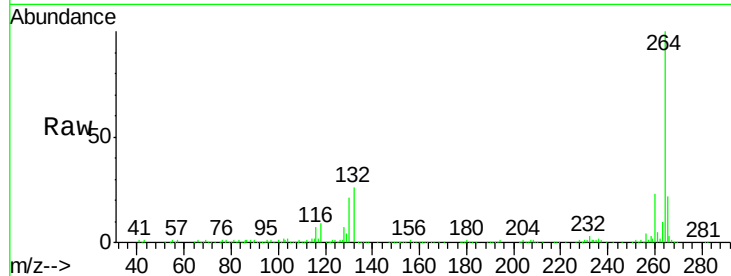




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

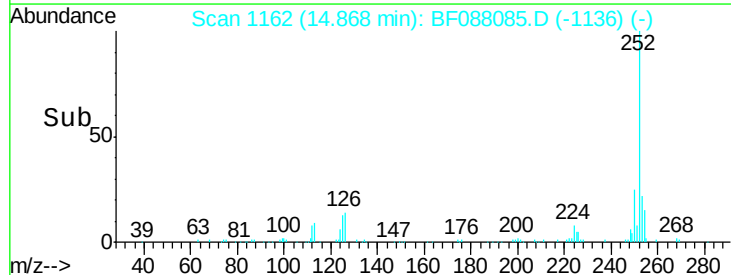
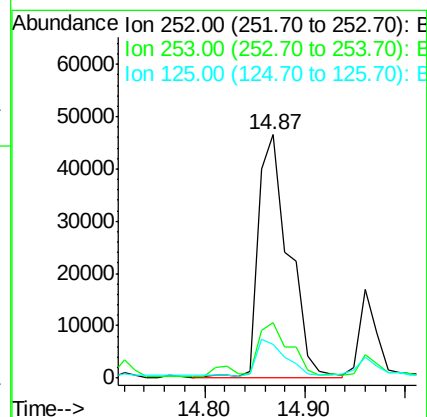
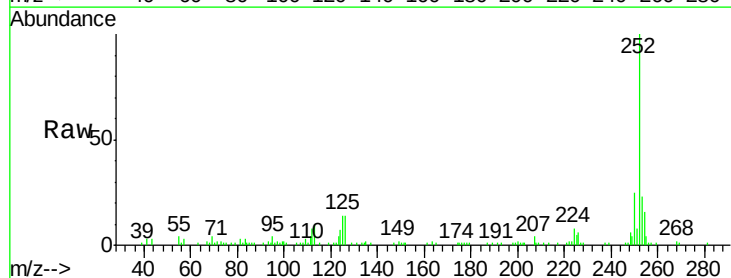
Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

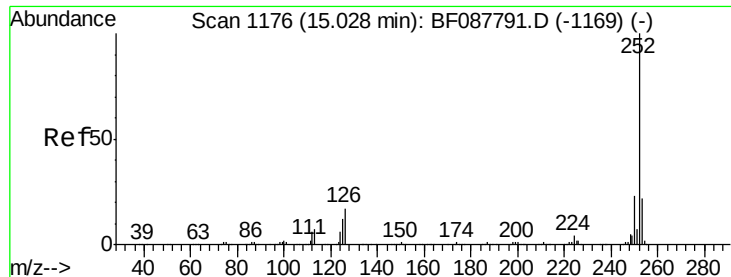
Tgt Ion: 264 Resp: 273596
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 22.0 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 5.16 ng
RT: 14.87 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF088085.D
Acq: 16 Jun 2016 19:48

Tgt Ion: 252 Resp: 98383
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 14.0 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 6.84 ng

RT: 14.87 min Scan# 1162

Delta R.T. -0.02 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

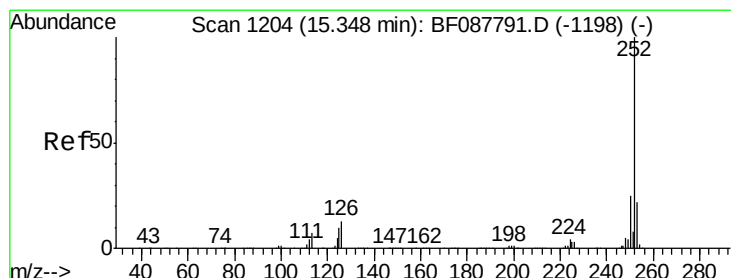
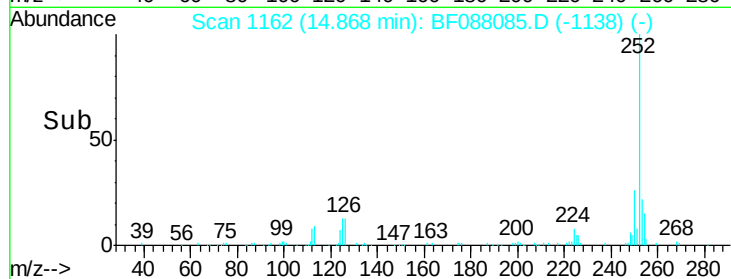
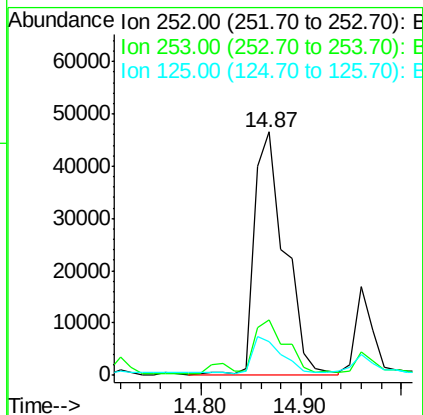
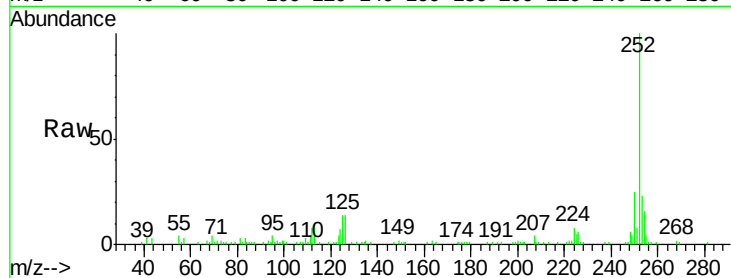
Instrument :

BNA_F

ClientSampleId :

SB-28-COMP

Tgt Ion:	252	Resp:	98383
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	14.0	11.2	16.8



#89

Benzo(a)pyrene

Concen: 3.57 ng

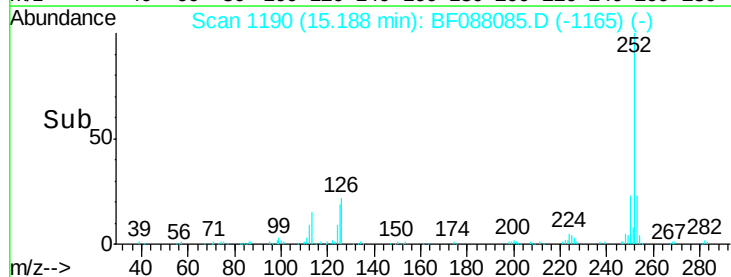
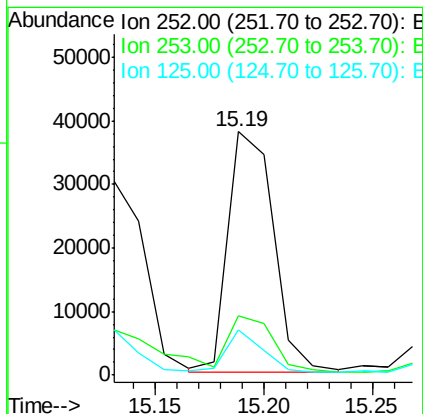
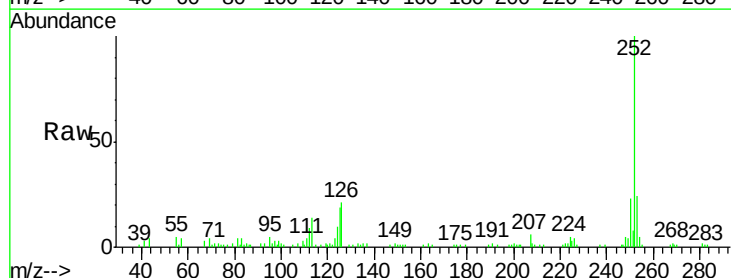
RT: 15.19 min Scan# 1190

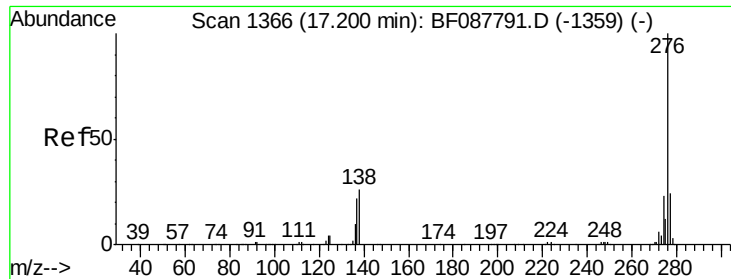
Delta R.T. -0.01 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

Tgt Ion:	252	Resp:	55076
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.9	26.9
125	18.6	12.5	18.7





#91

Benzo(g,h,i)perylene

Concen: 2.95 ng

RT: 16.96 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF088085.D

Acq: 16 Jun 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-28-COMP

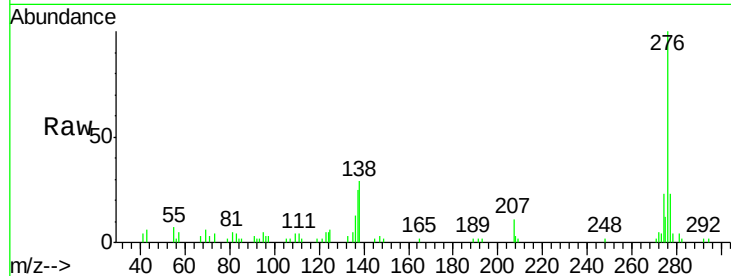
Tgt Ion: 276 Resp: 43486

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 29.3 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

