

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061616\
 Data File : BF088089.D
 Acq On : 16 Jun 2016 21:45
 Operator : UM/SJ
 Sample : H3596-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Quant Time: Jun 17 04:08:19 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	116715	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	422445	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	185624	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	302584	20.00	ng	0.00
75) Chrysene-d12	13.86	240	224661	20.00	ng	0.00
86) Perylene-d12	15.25	264	192010	20.00	ng	0.00

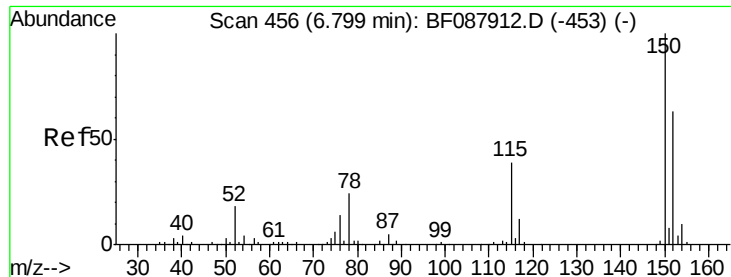
System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	667576	97.78	ng	0.01
7) Phenol-d6	6.36	99	837817	101.26	ng	0.00
23) Nitrobenzene-d5	7.29	82	592982	81.97	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	163901	83.62	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	882198	73.94	ng	0.00
78) Terphenyl-d14	12.82	244	652481	66.09	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.38	94	11951	Below Cal	#	40
19) n-Nitroso-di-n-propylamine	7.29	70	78520	14.83	ng	# 70
25) Isophorone	7.29	82	583839	43.57	ng	# 65
45) 1,1'-Biphenyl	9.18	154	518	Below Cal	#	43
49) Dimethylphthalate	9.47	163	250659	18.64	ng	99
56) 2,4-Dinitrotoluene	9.75	165	23213	5.87	ng	# 36
57) Fluorene	10.30	166	7891	Below Cal		96
64) 4,6-Dinitro-2-methylphenol	10.54	198	241	2.28	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	10031	3.09	ng	# 1
70) Phenanthrene	11.26	178	48044	3.03	ng	97
74) Fluoranthene	12.43	202	61686	3.68	ng	97
77) Pyrene	12.66	202	64760	3.88	ng	98
80) Benzo(a)anthracene	13.89	228	26141	2.04	ng	95
82) Chrysene	13.89	228	26141	2.17	ng	96
83) Bis(2-ethylhexyl)phthalate	13.85	149	26899	3.00	ng	100
87) Benzo(b)fluoranthene	14.87	252	56821	4.25	ng	# 91
88) Benzo(k)fluoranthene	14.87	252	56821	5.63	ng	96
89) Benzo(a)pyrene	15.20	252	32625	3.01	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 449

Delta R.T. 0.00 min

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SB-01-COMP

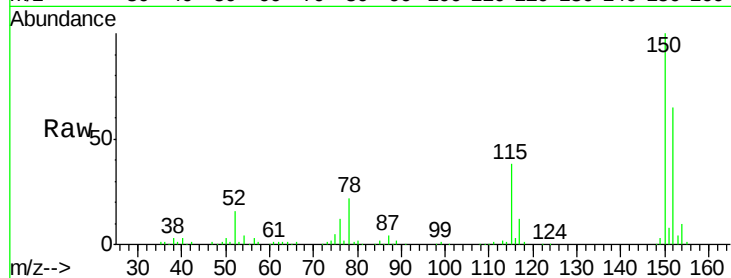
Tgt Ion:152 Resp: 116715

Ion Ratio Lower Upper

152 100

150 153.3 123.8 185.6

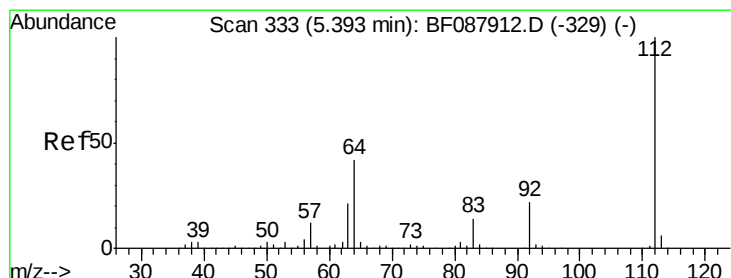
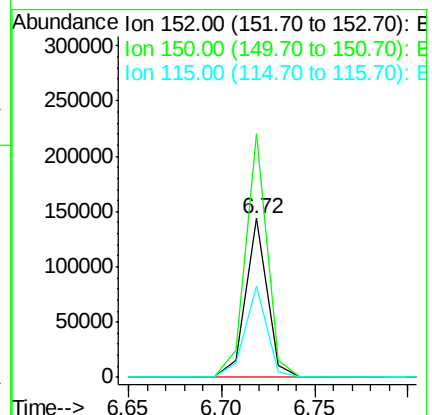
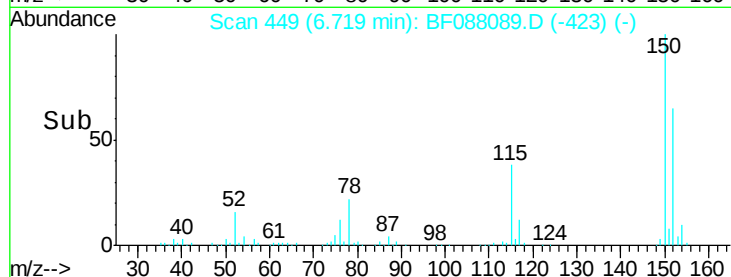
115 57.6 39.6 59.4



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: 97.78 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.01 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

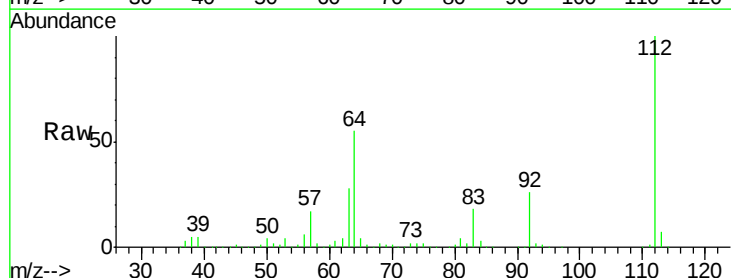
Tgt Ion:112 Resp: 667576

Ion Ratio Lower Upper

112 100

64 55.4 42.2 63.2

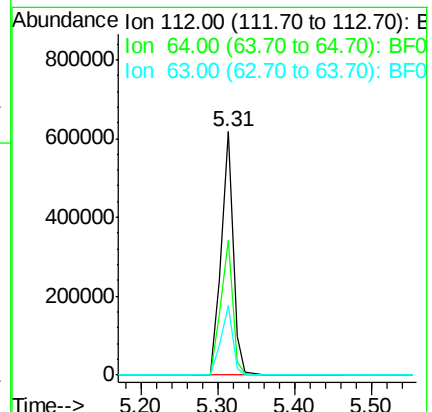
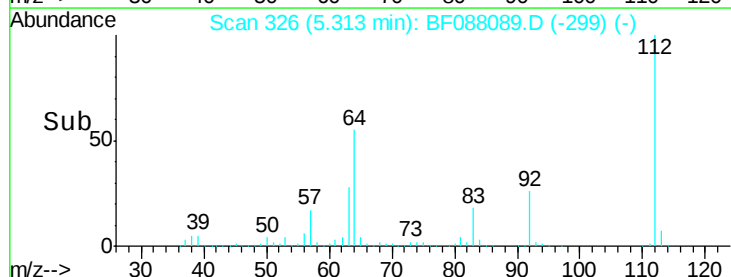
63 28.4 21.8 32.8

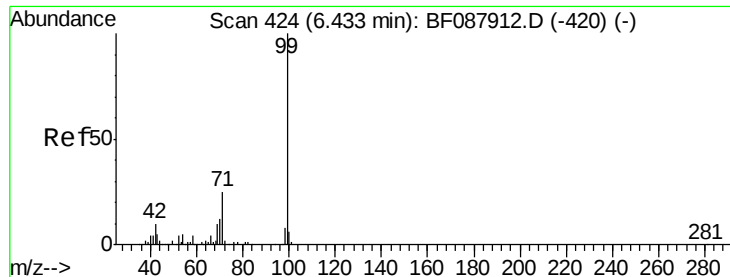


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.26 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

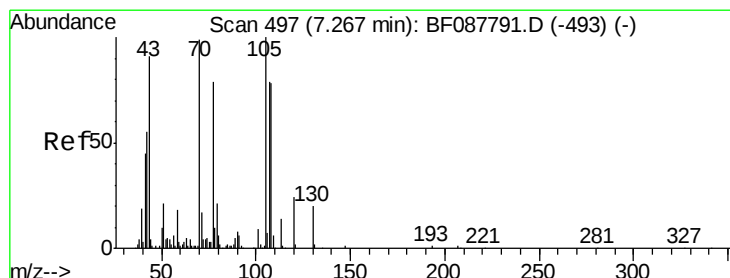
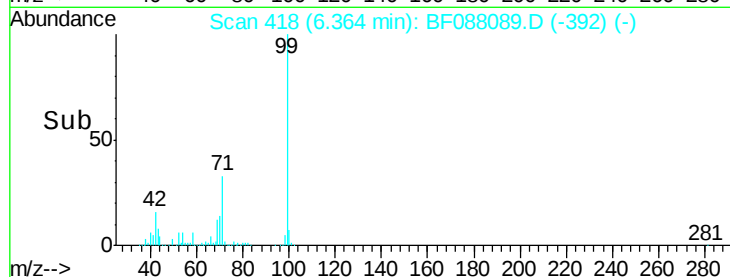
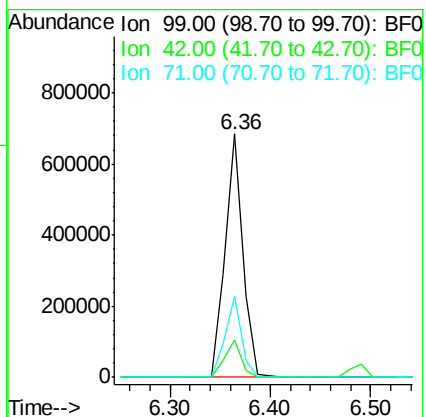
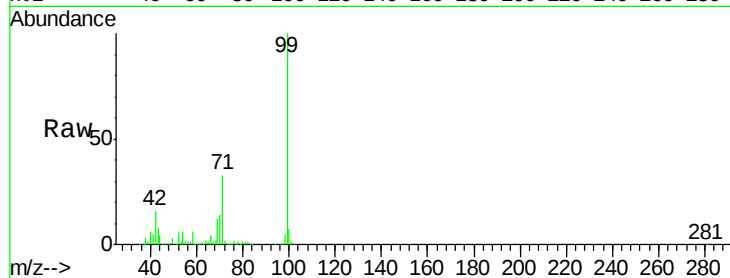
Tgt Ion: 99 Resp: 837817

Ion Ratio Lower Upper

99 100

42 15.7 12.2 18.2

71 33.1 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.83 ng

RT: 7.29 min Scan# 499

Delta R.T. 0.14 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

Tgt Ion: 70 Resp: 78520

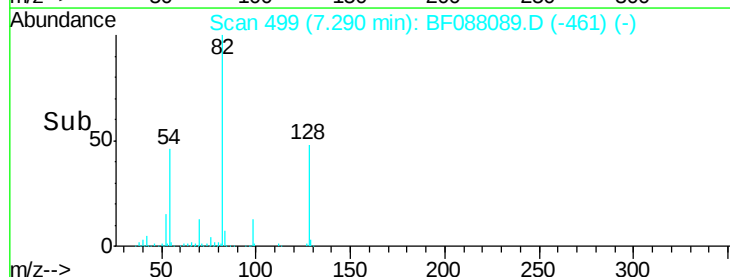
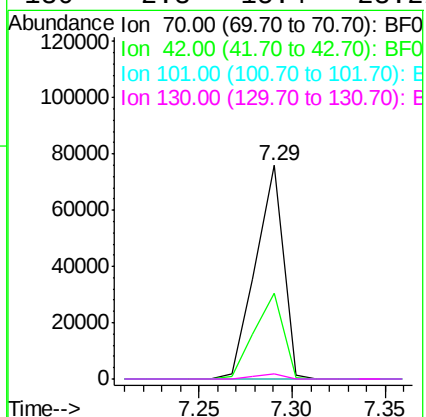
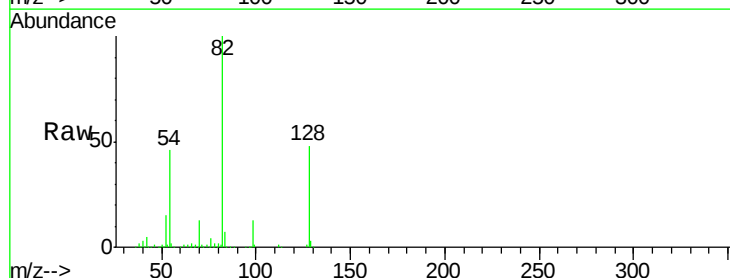
Ion Ratio Lower Upper

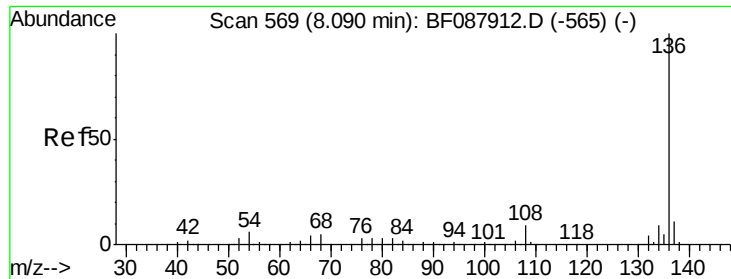
70 100

42 40.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

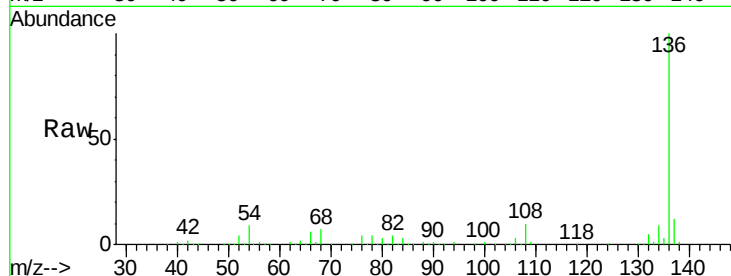




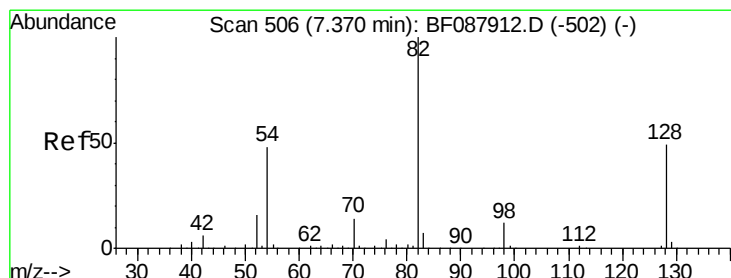
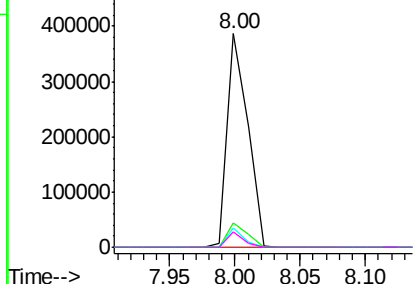
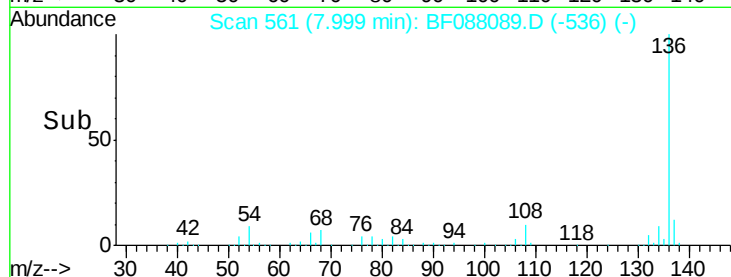
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.01 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tgt Ion:	136	Resp:	422445
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	8.8	6.6	10.0
68	7.1	5.1	7.7

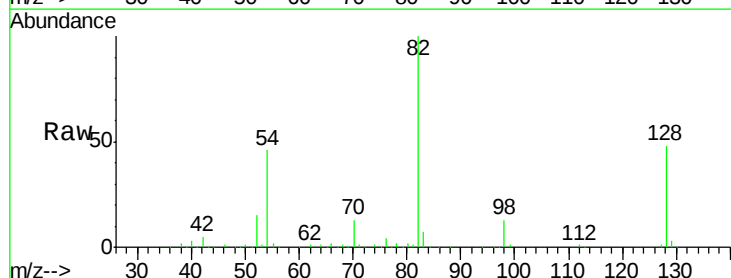


Abundance Ion 136.00 (135.70 to 136.70): E
600000
Ion 137.00 (136.70 to 137.70): E
500000
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

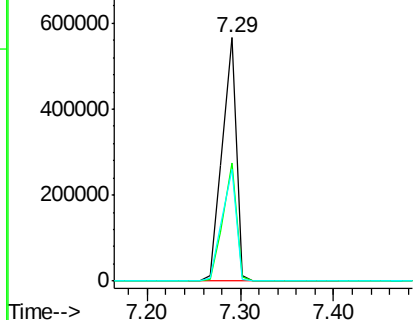
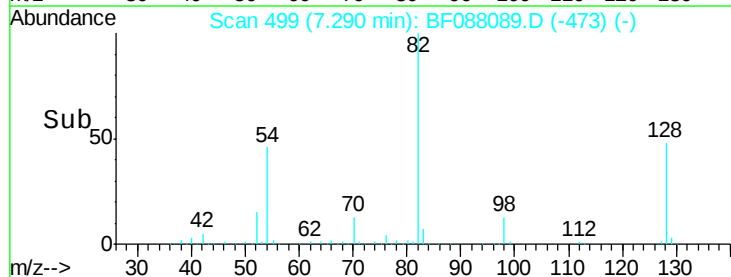


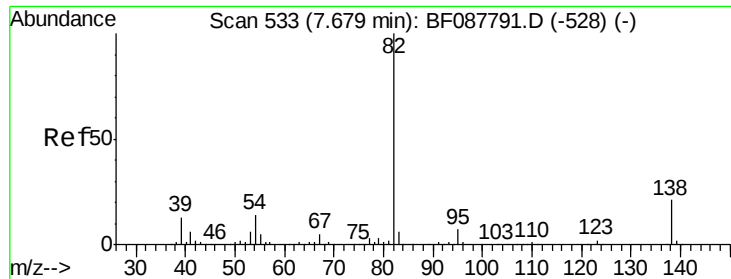
#23
Nitrobenzene-d5
Concen: 81.97 ng
RT: 7.29 min Scan# 499
Delta R.T. 0.00 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

Tgt Ion:	82	Resp:	592982
Ion	Ratio	Lower	Upper
82	100		
128	48.5	35.9	53.9
54	46.2	40.9	61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
600000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.57 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.26 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

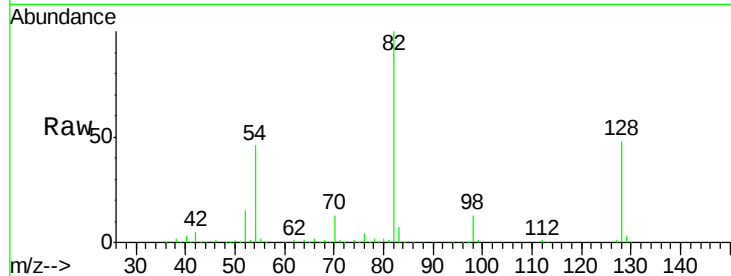
Tgt Ion: 82 Resp: 583839

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

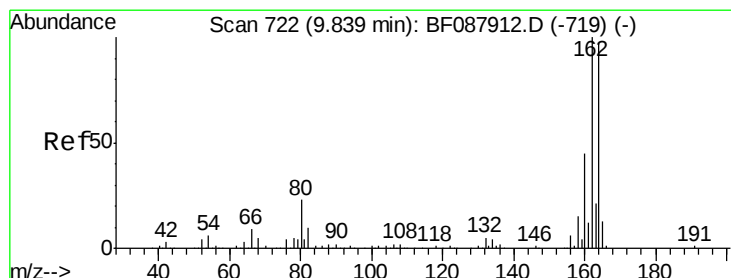
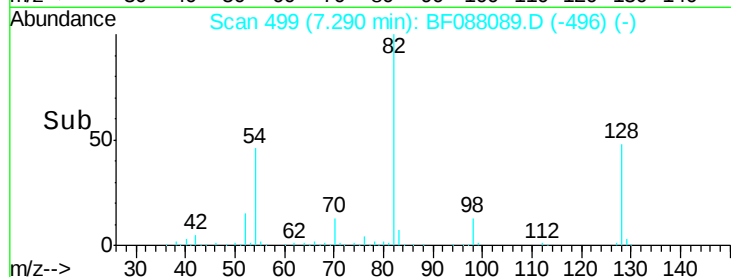
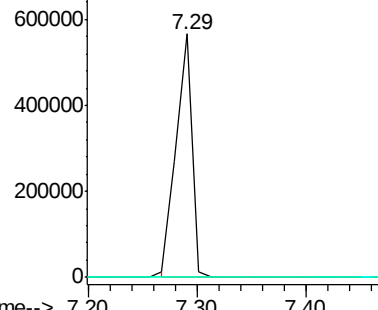
138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

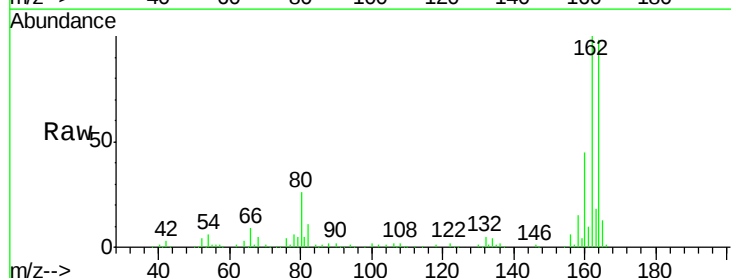
Tgt Ion: 164 Resp: 185624

Ion Ratio Lower Upper

164 100

162 102.2 85.4 128.2

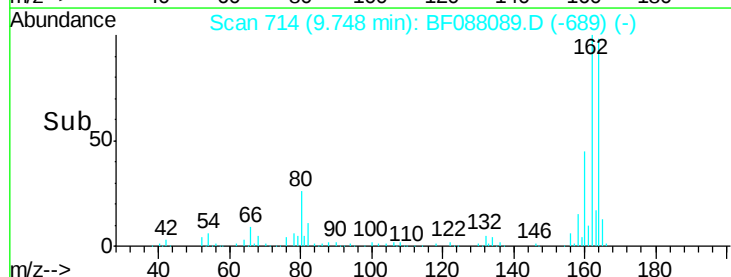
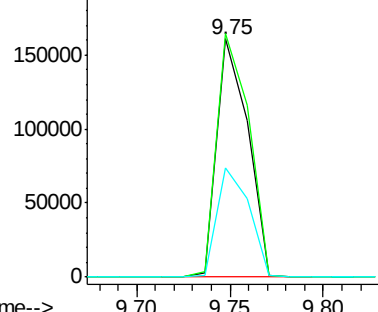
160 45.8 39.5 59.3

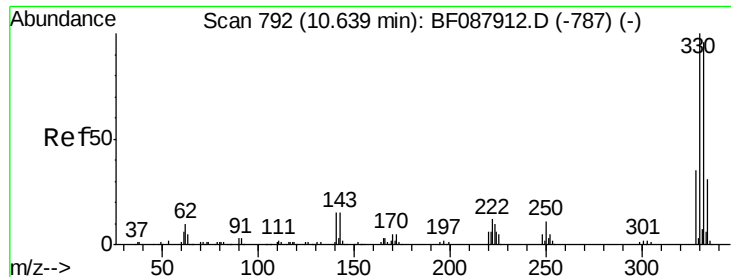


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

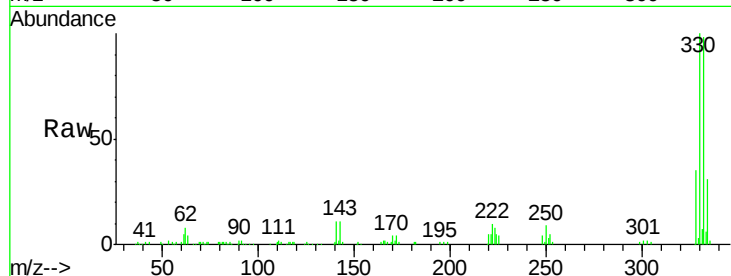




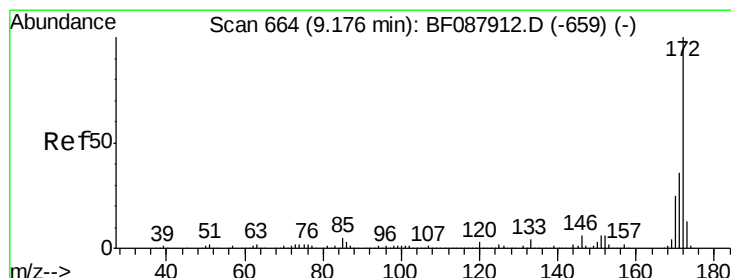
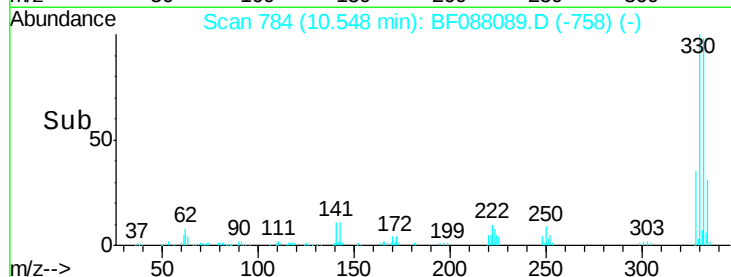
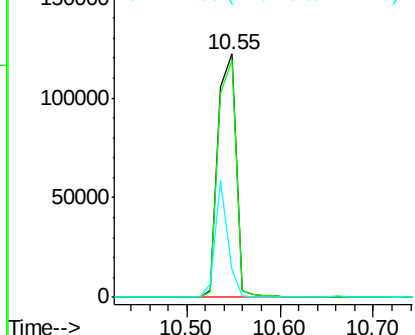
#41
 2,4,6-Tribromophenol
 Concen: 83.62 ng
 RT: 10.55 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: BF088089.D
 Acq: 16 Jun 2016 21:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Tgt Ion:330 Resp: 163901
 Ion Ratio Lower Upper
 330 100
 332 97.2 0.0 0.0#
 141 34.3 0.0 0.0#

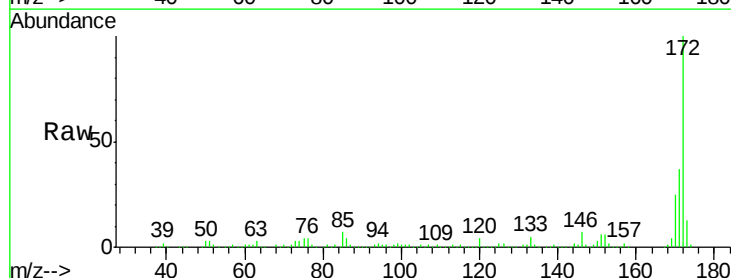


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

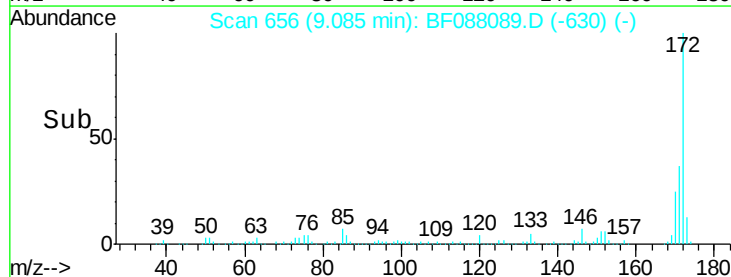
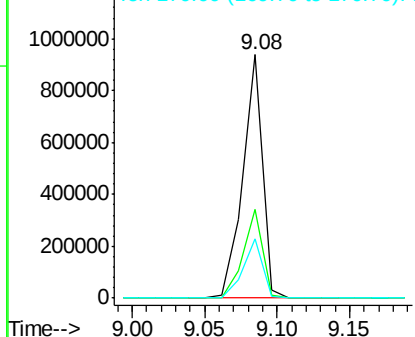


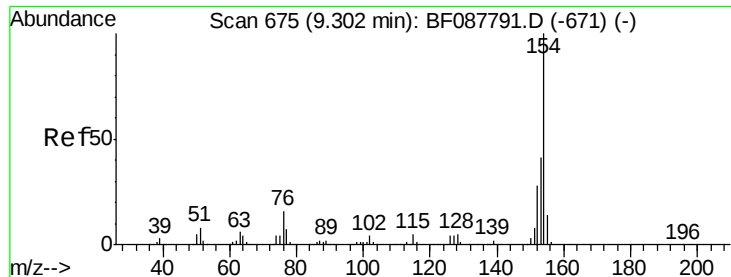
#44
 2-Fluorobiphenyl
 Concen: 73.94 ng
 RT: 9.08 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: BF088089.D
 Acq: 16 Jun 2016 21:45

Tgt Ion:172 Resp: 882198
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.6 43.0
 170 24.6 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: 9.18 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

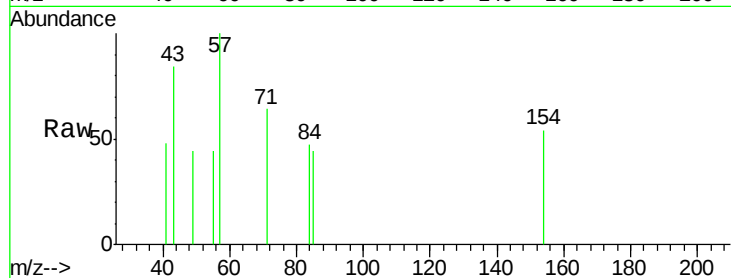
Tgt Ion:154 Resp: 518

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

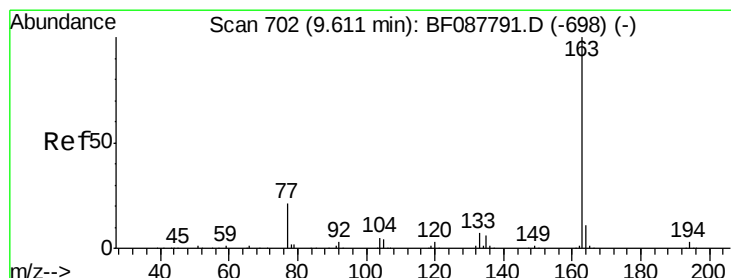
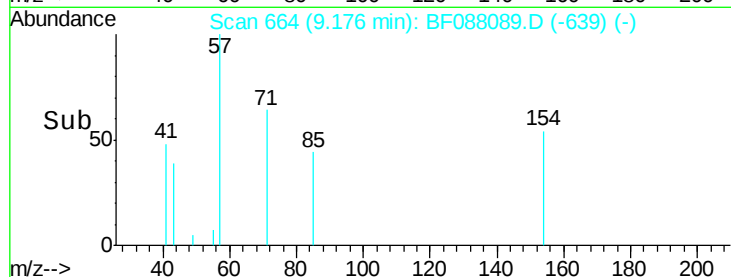
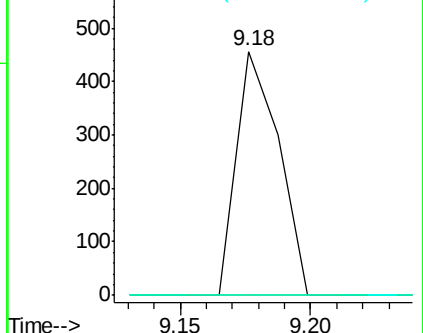
76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 18.64 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

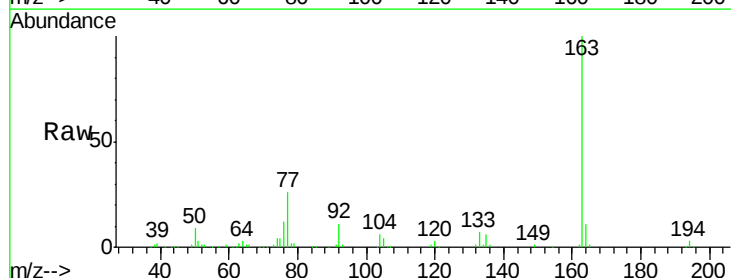
Tgt Ion:163 Resp: 250659

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

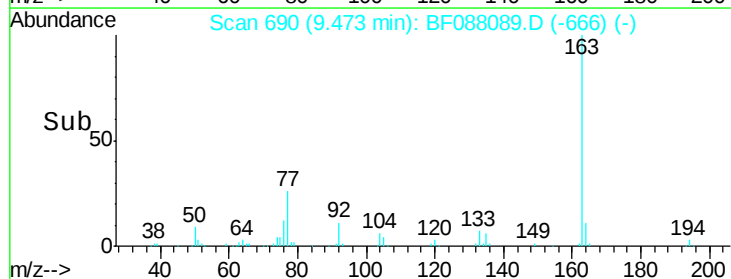
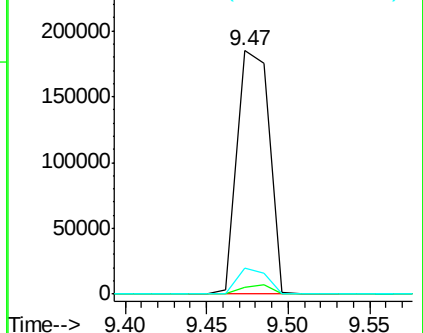
164 10.7 8.3 12.5

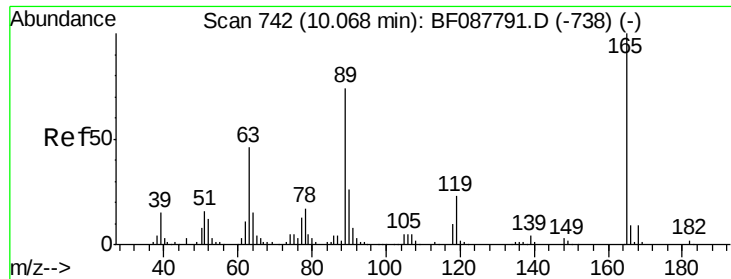


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

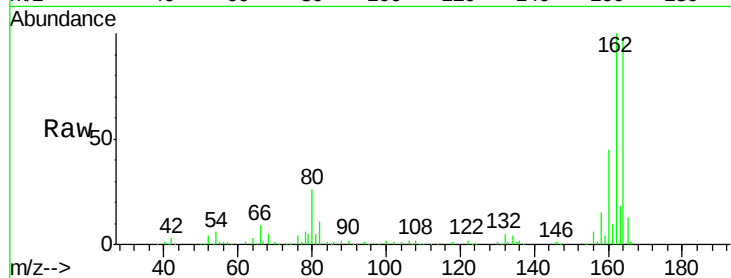




#56
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.21 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tgt 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#

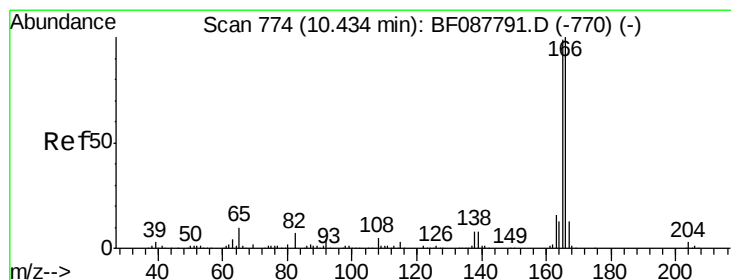
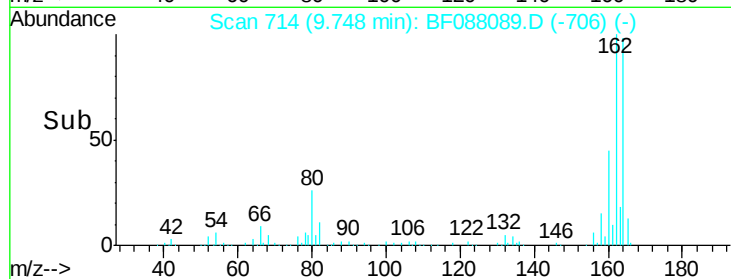
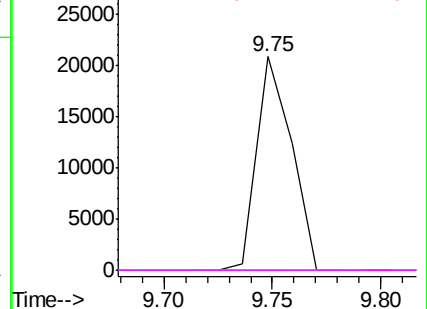


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

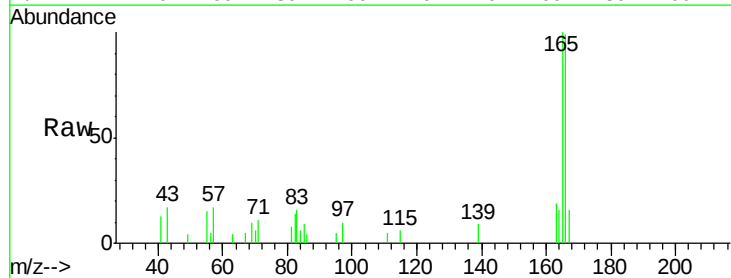
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.30 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

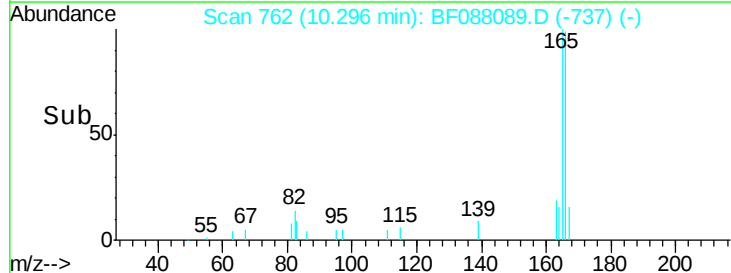
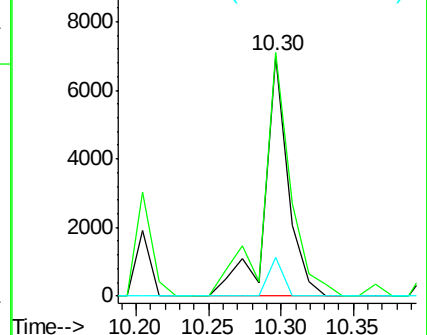
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	77.8	116.8
167	16.2	11.2	16.8

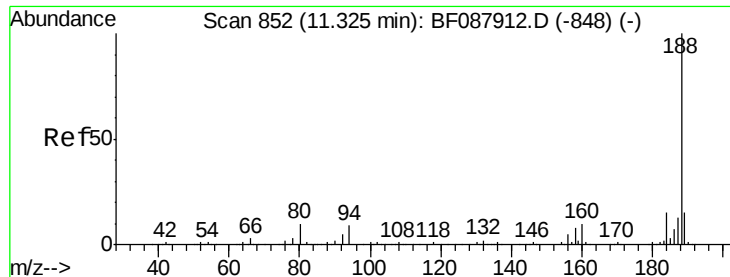


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

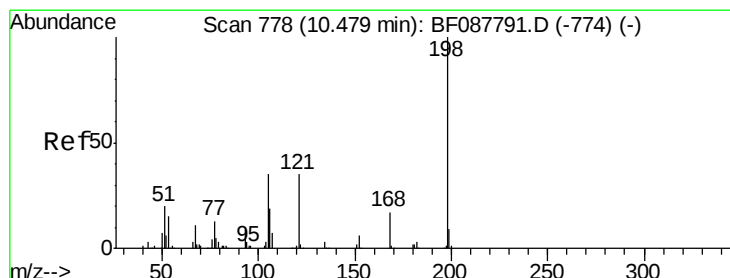
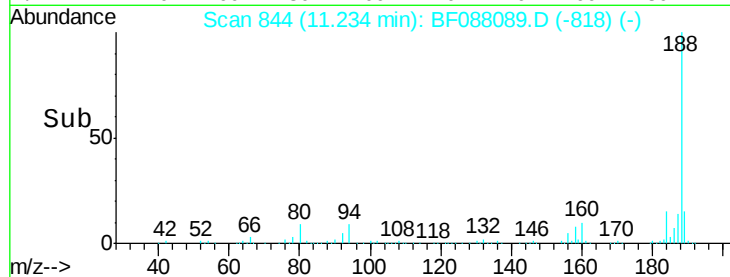
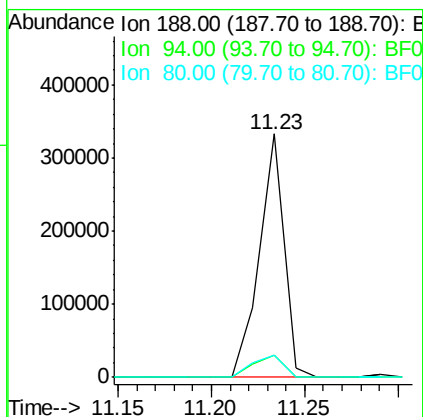
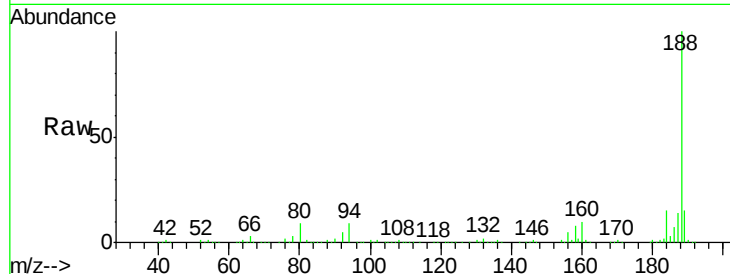




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. 0.00 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

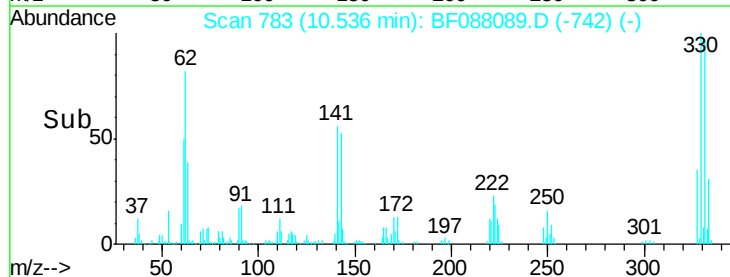
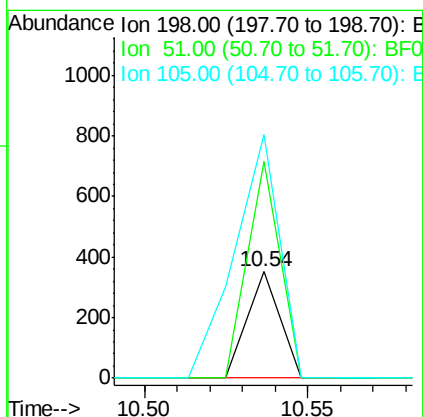
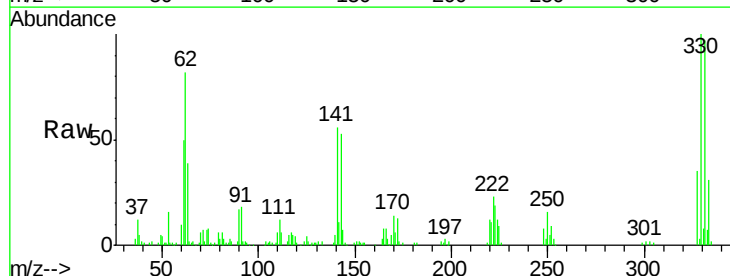
Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

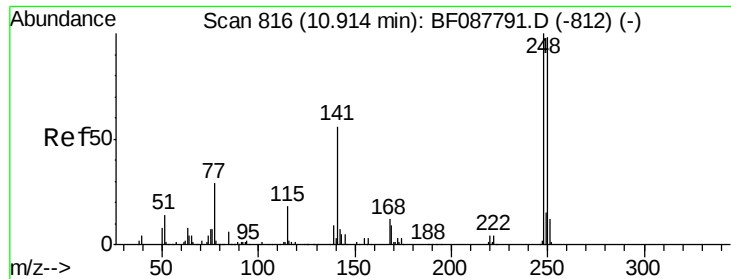
Tgt Ion:188 Resp: 302584
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.6
80 9.3 10.0 15.0#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.28 ng
RT: 10.54 min Scan# 783
Delta R.T. 0.17 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

Tgt Ion:198 Resp: 241
Ion Ratio Lower Upper
198 100
51 203.4 39.6 79.6#
105 229.1 36.6 76.6#

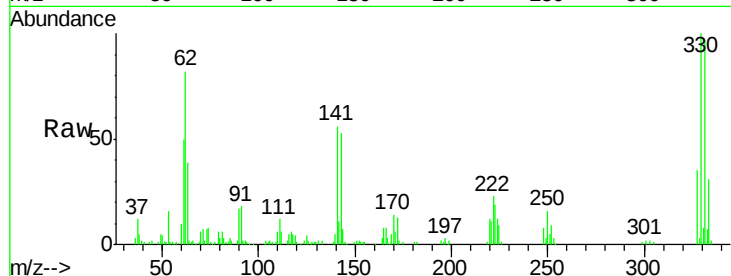




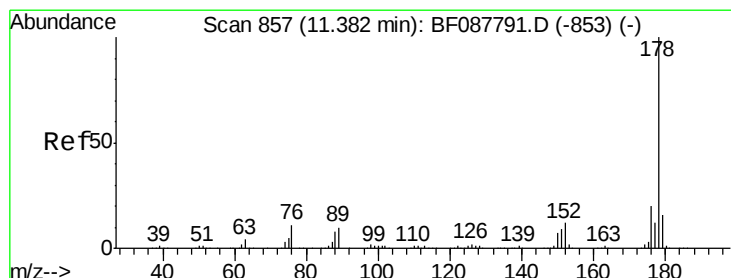
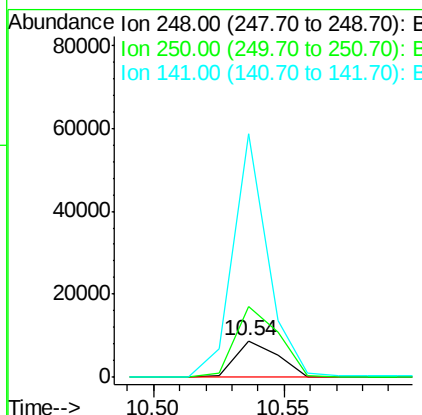
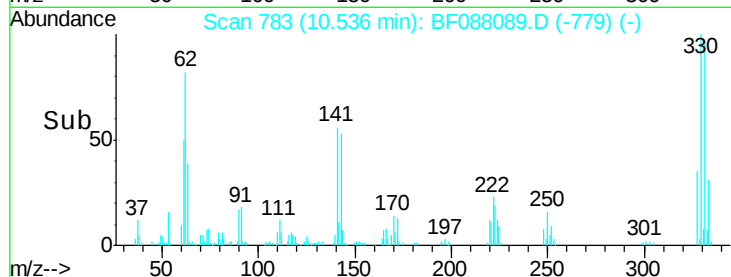
#66
4-Bromophenyl-phenylether
Concen: 3.09 ng
RT: 10.54 min Scan# 783
Delta R.T. -0.25 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tgt Ion:248 Resp: 10031
Ion Ratio Lower Upper
248 100
250 191.5 77.1 115.7#
141 659.8 50.6 76.0#

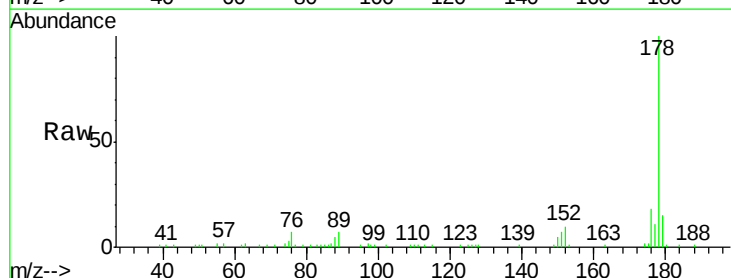


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

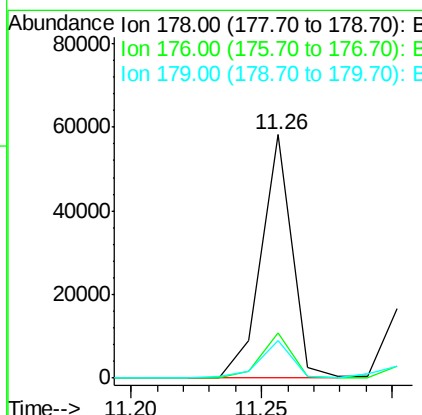
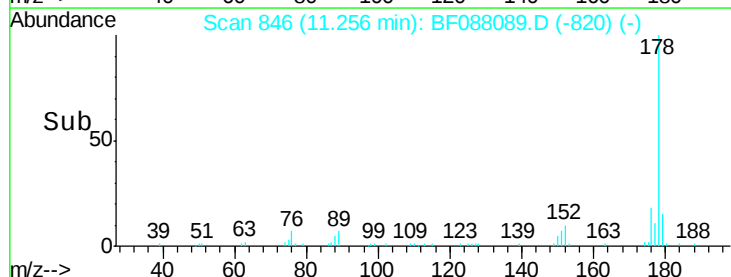


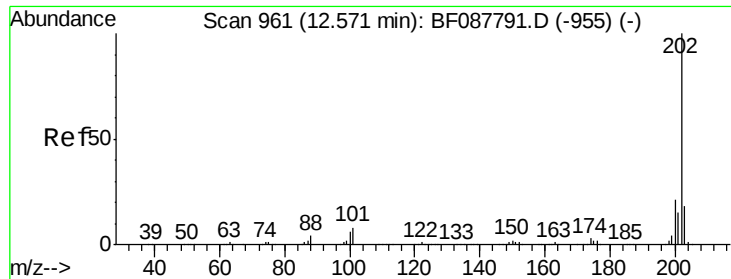
#70
Phenanthrene
Concen: 3.03 ng
RT: 11.26 min Scan# 846
Delta R.T. 0.00 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

Tgt Ion:178 Resp: 48044
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 15.2 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

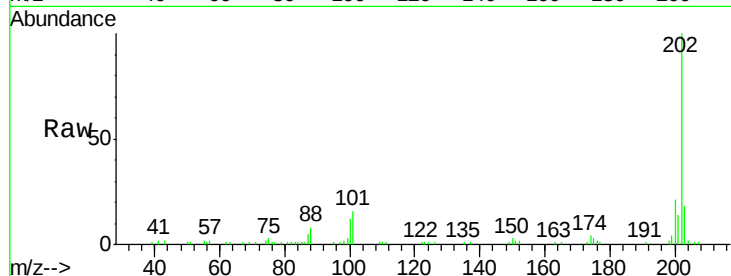




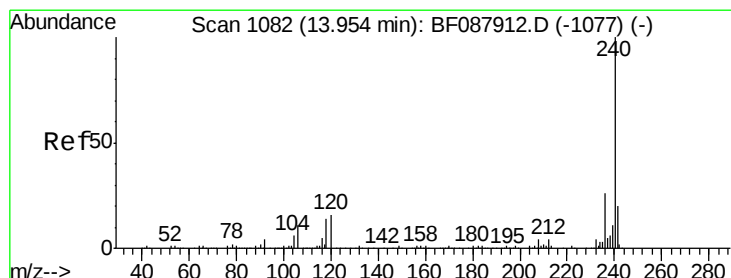
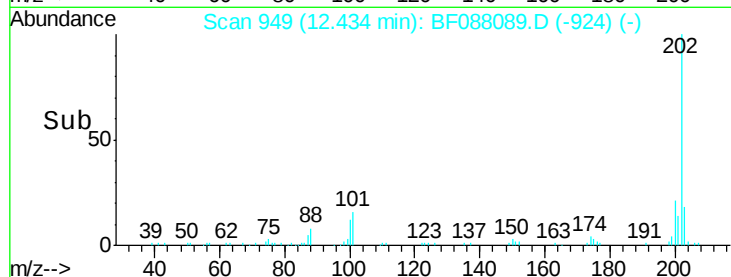
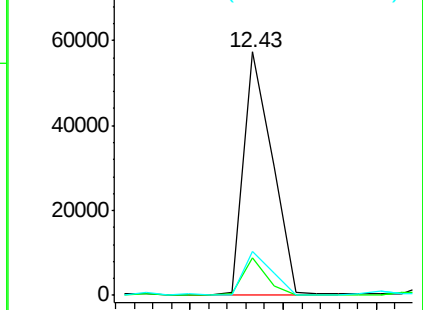
#74
Fluoranthene
Concen: 3.68 ng
RT: 12.43 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	61686		
101	15.6		0.0	33.1
203	17.9		0.0	38.1

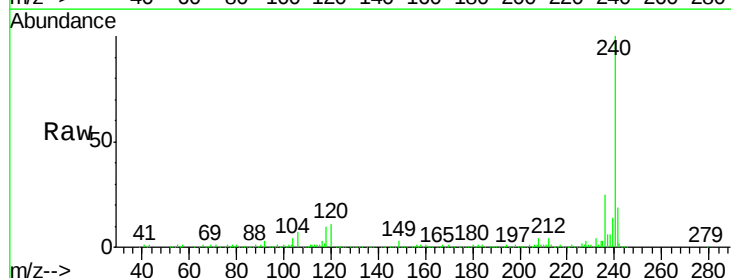


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

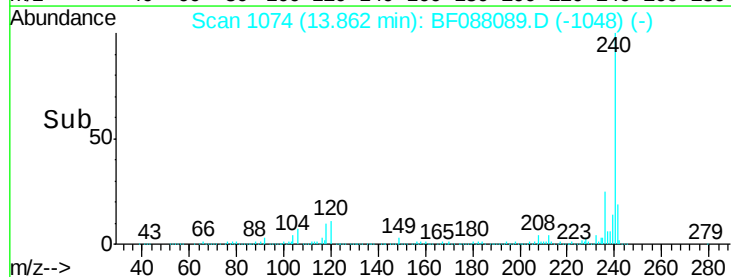
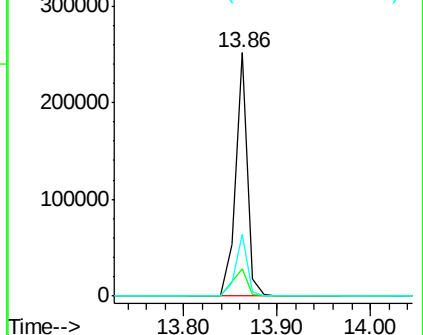


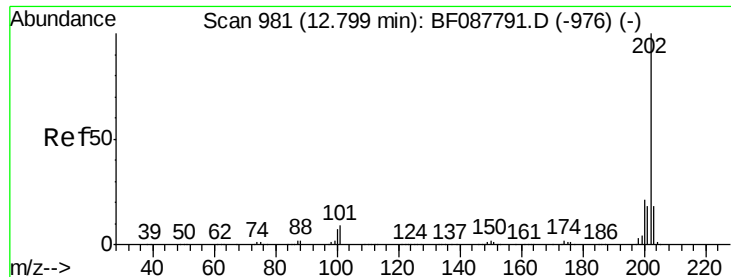
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BF088089.D
Acq: 16 Jun 2016 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	224661		
120	11.4		6.8	10.2#
236	25.4		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: 3.88 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

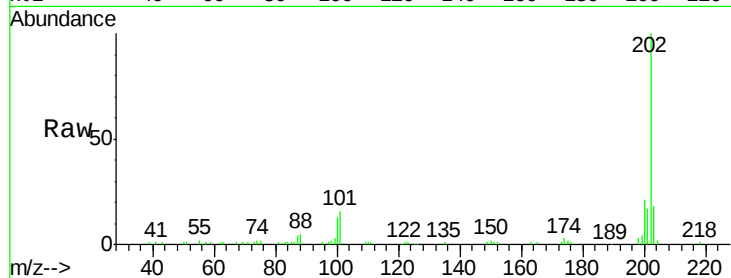
Tgt Ion: 202 Resp: 64760

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

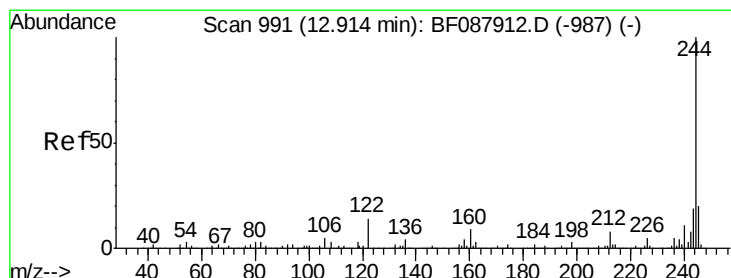
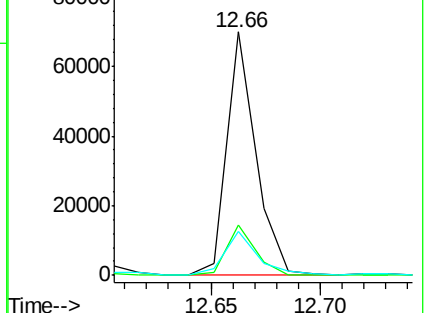
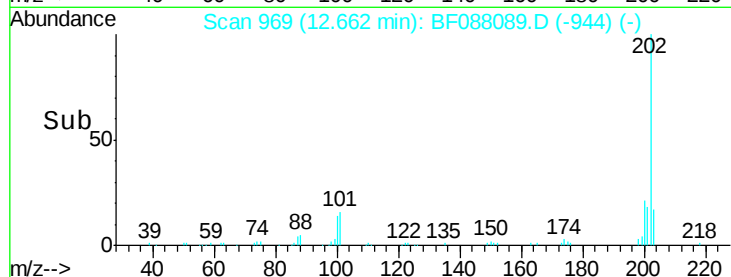
203 17.9 14.5 21.7



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: 66.09 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

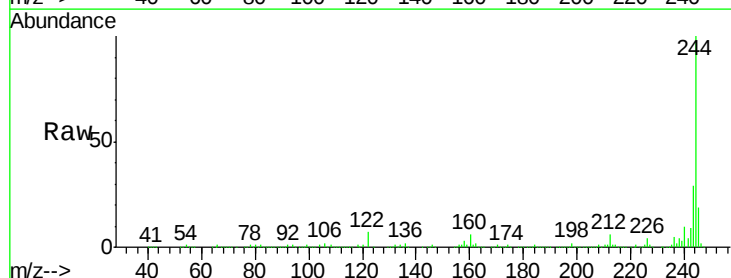
Tgt Ion: 244 Resp: 652481

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

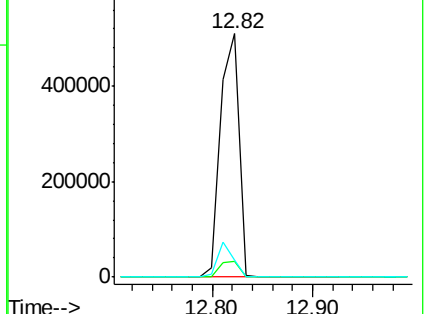
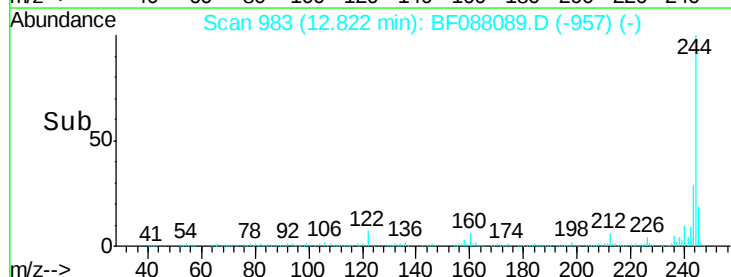
122 7.2 11.2 16.8#

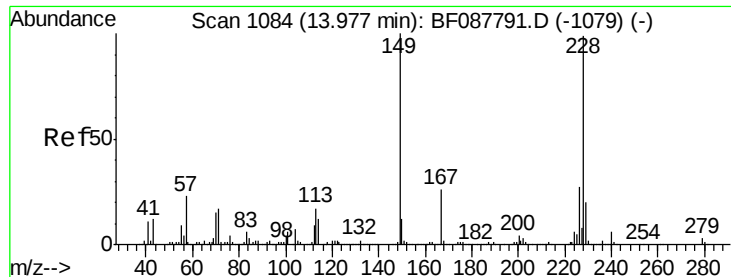


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.04 ng

RT: 13.89 min Scan# 1076

Delta R.T. 0.03 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

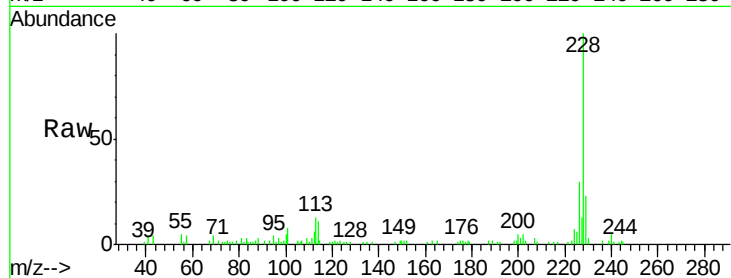
Tgt Ion:228 Resp: 26141

Ion Ratio Lower Upper

228 100

226 30.2 22.3 33.5

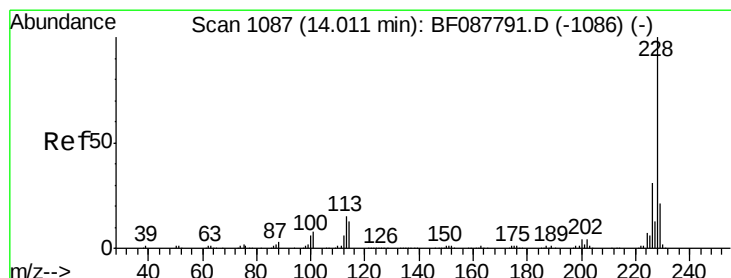
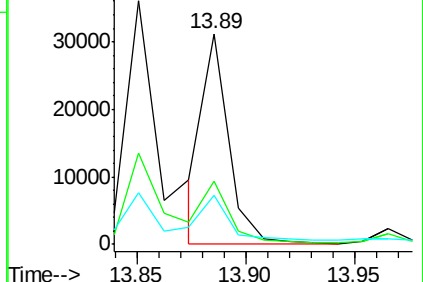
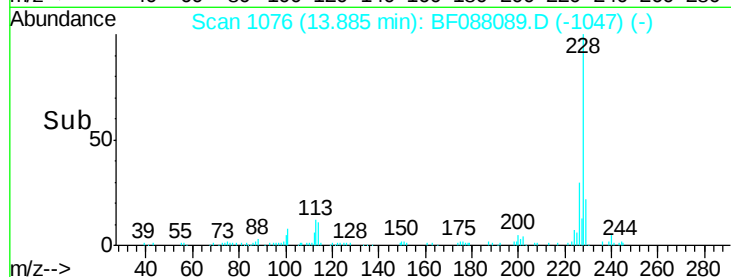
229 23.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.17 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.01 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

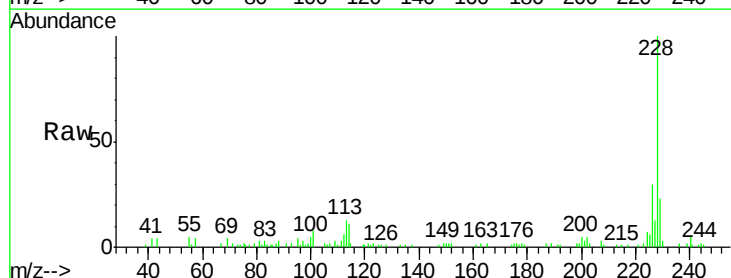
Tgt Ion:228 Resp: 26141

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

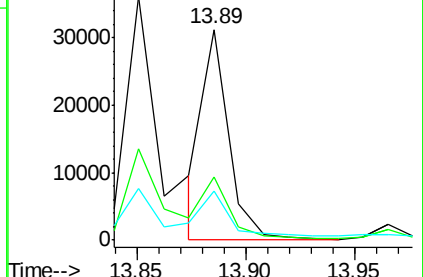
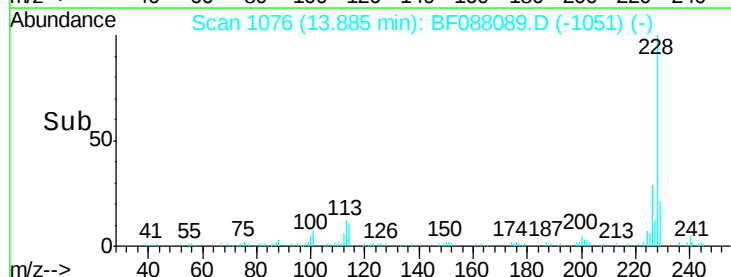
229 23.2 16.3 24.5

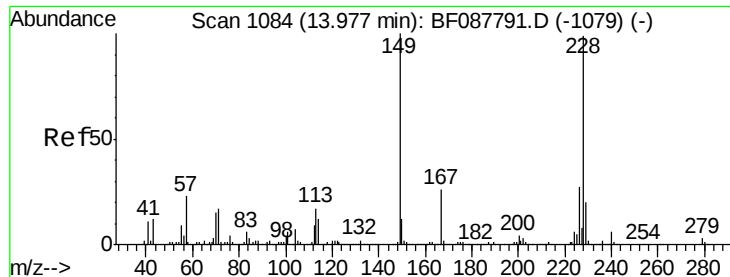


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

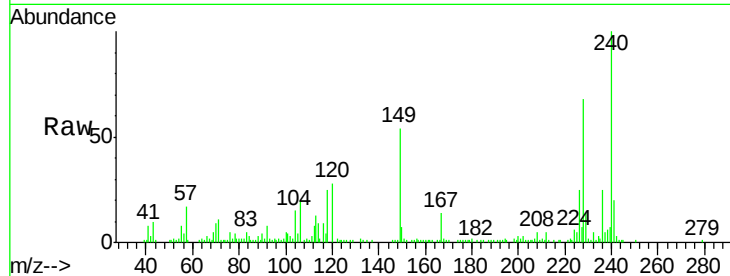




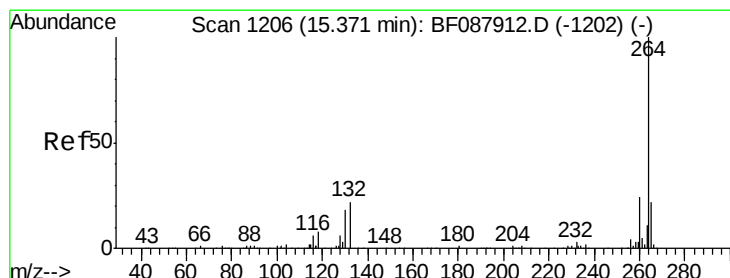
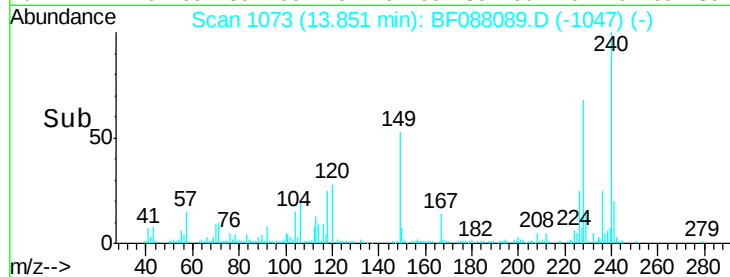
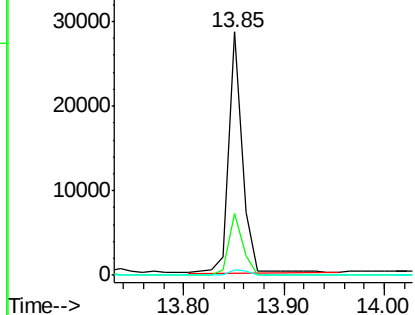
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.00 ng
 RT: 13.85 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: BF088089.D
 Acq: 16 Jun 2016 21:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Tgt Ion:	149	Resp:	26899
Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.5	30.7
279	2.4	2.0	3.0

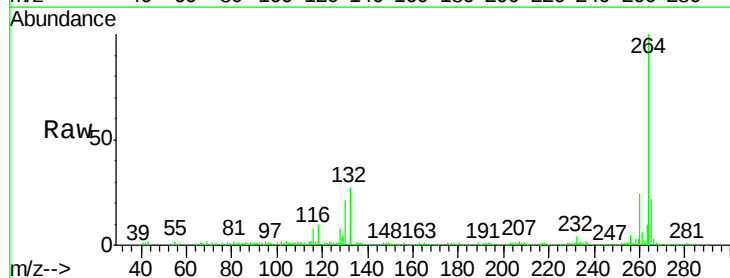


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

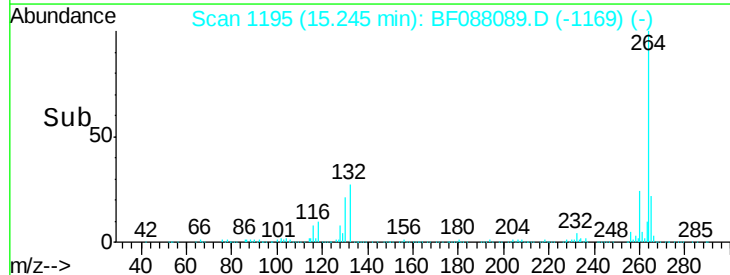
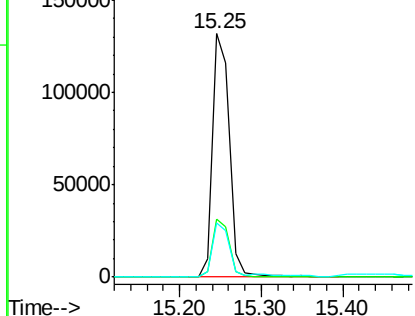


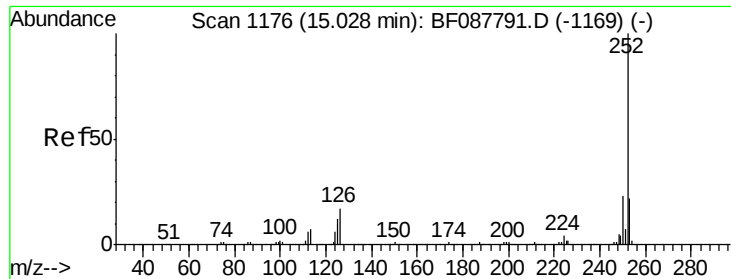
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: BF088089.D
 Acq: 16 Jun 2016 21:45

Tgt Ion:	264	Resp:	192010
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.1	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: 4.25 ng

RT: 14.87 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

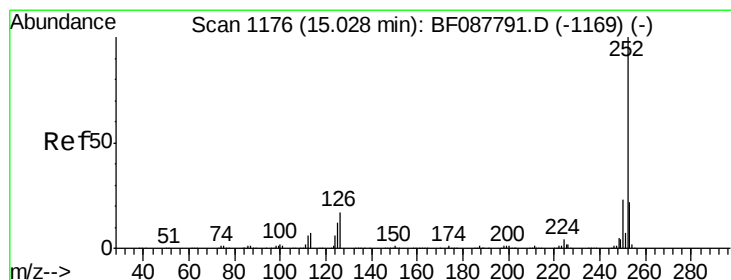
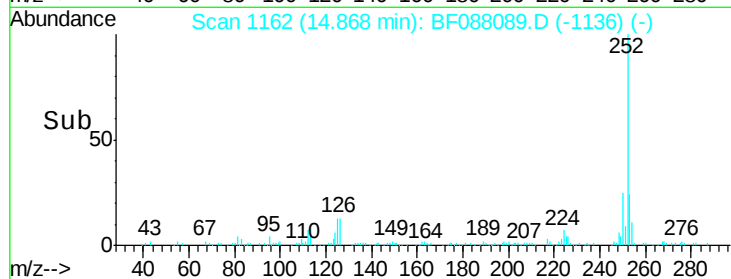
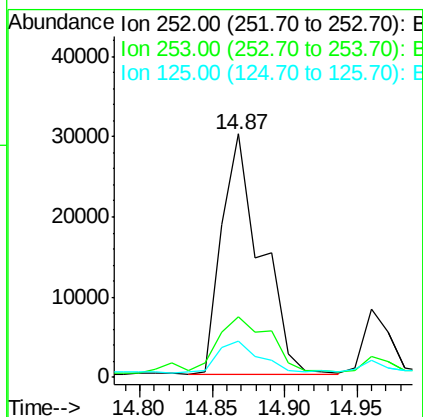
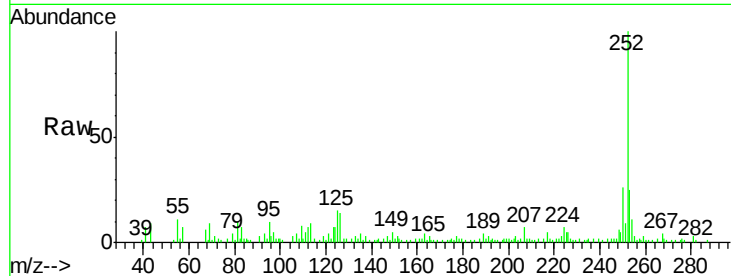
Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

Tgt Ion:	252	Resp:	56821
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.2
125	14.8	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 5.63 ng

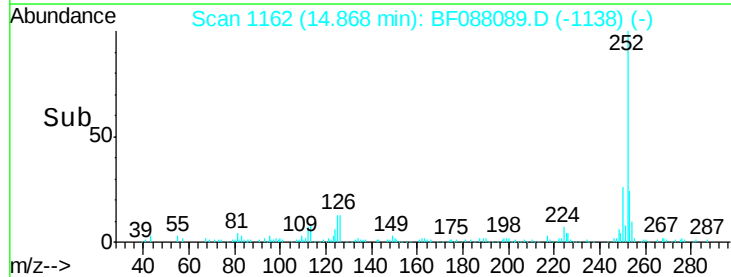
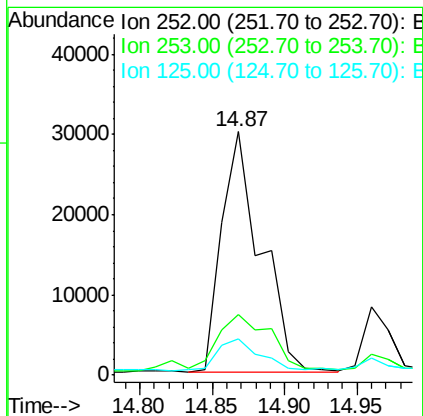
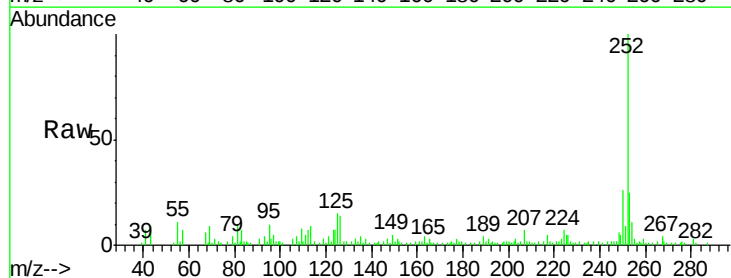
RT: 14.87 min Scan# 1162

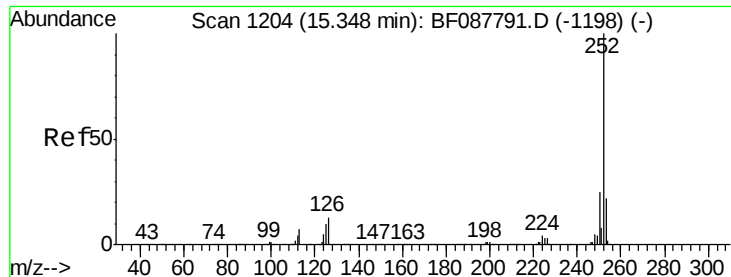
Delta R.T. -0.02 min

Lab File: BF088089.D

Acq: 16 Jun 2016 21:45

Tgt Ion:	252	Resp:	56821
Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	14.8	11.2	16.8





#89

Benzo(a)pyrene

Concen: 3.01 ng

RT: 15.20 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BF088089.D

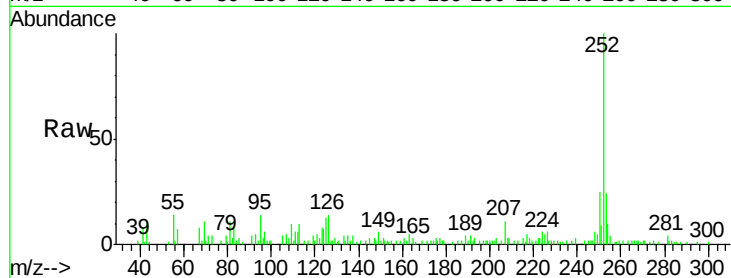
Acq: 16 Jun 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP



Tgt Ion: 252 Resp: 32625

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

125 13.0 12.5 18.7

