

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
 Data File : BF088591.D
 Acq On : 1 Jul 2016 23:39
 Operator : UM/SJ
 Sample : H3816-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Quant Time: Jul 02 02:19:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	135757	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	509646	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	221305	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	388086	20.00	ng	0.00
75) Chrysene-d12	13.94	240	257013	20.00	ng	-0.01
86) Perylene-d12	15.35	264	237331	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1027116	113.39	ng	0.00
7) Phenol-d6	6.44	99	1209043	103.30	ng	0.00
23) Nitrobenzene-d5	7.37	82	795612	81.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	241650	117.59	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1426798	101.84	ng	0.00
78) Terphenyl-d14	12.90	244	951794	82.48	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.13	42	20806	4.18	ng	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	107698	13.70	ng	# 73
25) Isophorone	7.37	82	593779	32.96	ng	# 65
32) Benzoic acid	7.80	122	14756	2.43	ng	98
49) Dimethylphthalate	9.56	163	185183	11.75	ng	98
56) 2,4-Dinitrotoluene	9.84	165	28952	6.34	ng	# 38
66) 4-Bromophenyl-phenylether	10.63	248	16635	4.25	ng	# 1
74) Fluoranthene	12.53	202	80031	3.72	ng	97
77) Pyrene	12.75	202	62659	2.88	ng	99
80) Benzo(a)anthracene	13.93	228	41215	2.49	ng	# 85
82) Chrysene	13.93	228	41215	2.52	ng	# 90
83) Bis(2-ethylhexyl)phthalate	13.94	149	48373	4.36	ng	99
87) Benzo(b)fluoranthene	14.95	252	64216	4.31	ng	# 93
88) Benzo(k)fluoranthene	14.95	252	64216	4.95	ng	98
89) Benzo(a)pyrene	15.28	252	29677	2.35	ng	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 457

Delta R.T. -0.00 min

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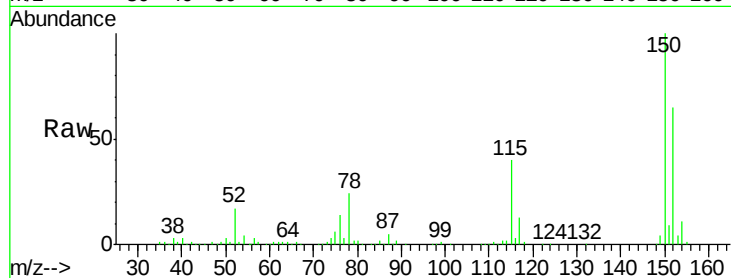
Tgt Ion:152 Resp: 135757

Ion Ratio Lower Upper

152 100

150 153.4 123.8 185.6

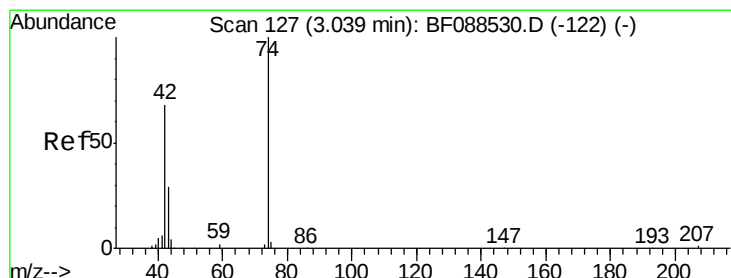
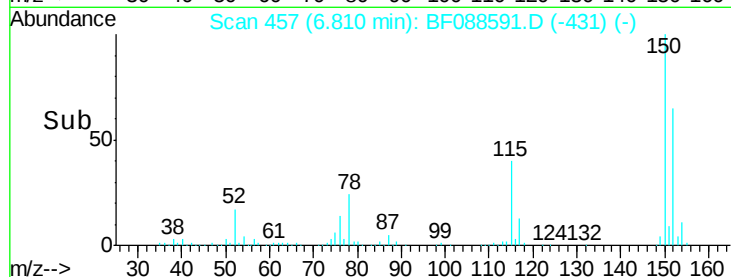
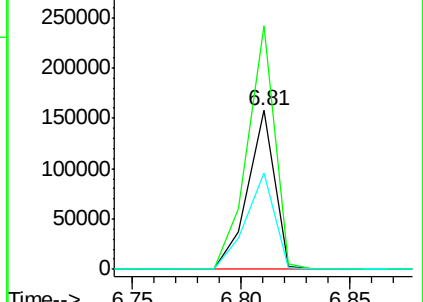
115 60.8 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

n-Nitrosodimethylamine

Concen: 4.18 ng

RT: 3.13 min Scan# 135

Delta R.T. 0.09 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

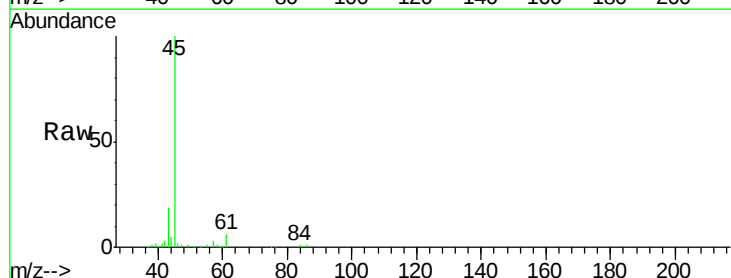
Tgt Ion: 42 Resp: 20806

Ion Ratio Lower Upper

42 100

74 0.0 108.6 163.0#

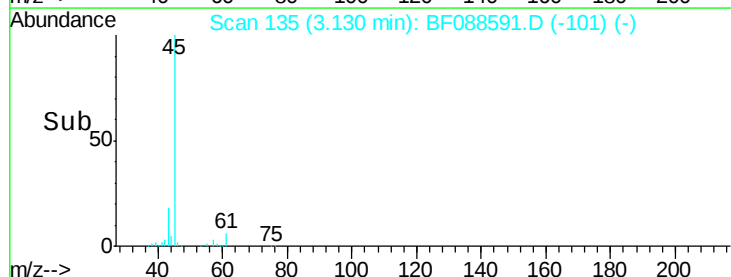
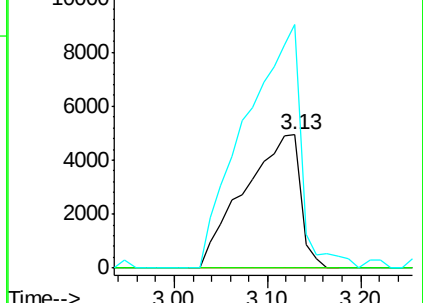
44 183.2 5.5 8.3#

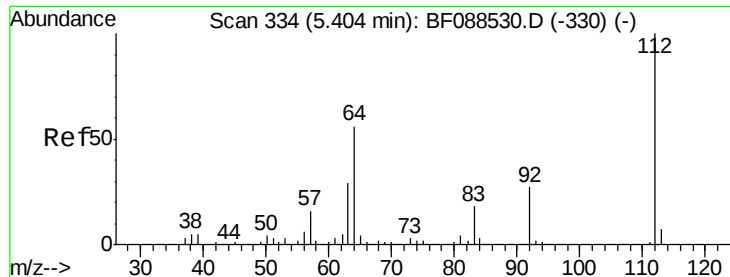


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 113.39 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.00 min

Lab File: BF088591.D

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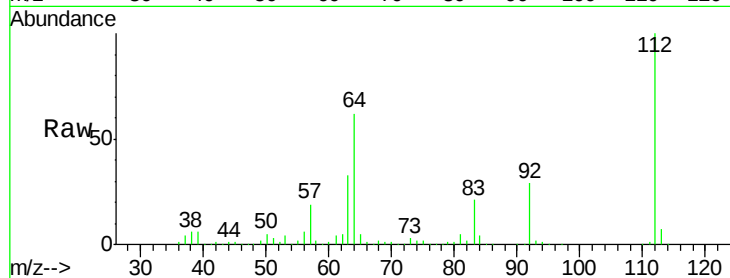
Tgt Ion: 112 Resp: 1027116

Ion Ratio Lower Upper

112 100

64 62.4 42.2 63.2

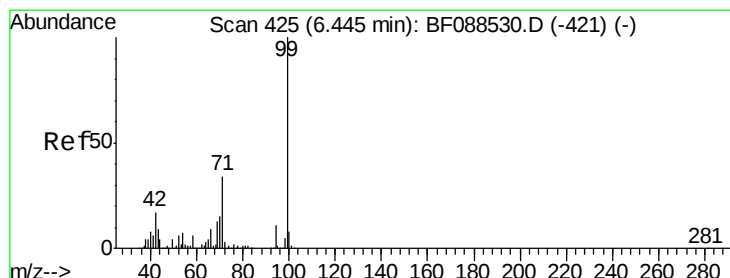
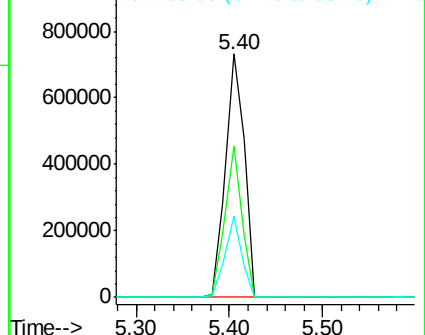
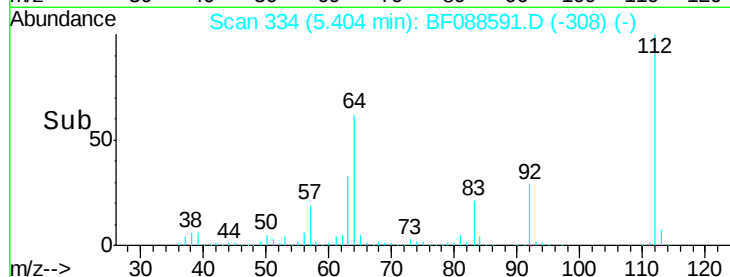
63 33.1 21.8 32.8#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 103.30 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

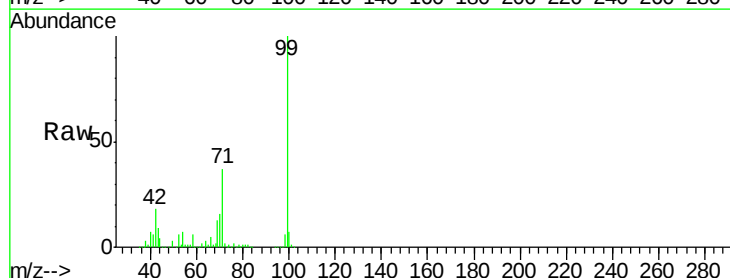
Tgt Ion: 99 Resp: 1209043

Ion Ratio Lower Upper

99 100

42 18.1 12.2 18.2

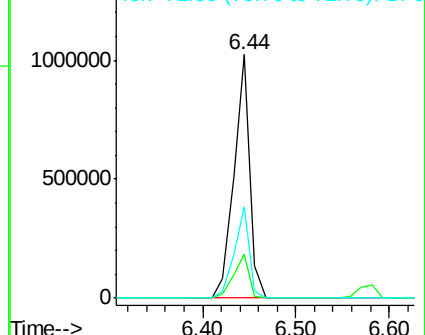
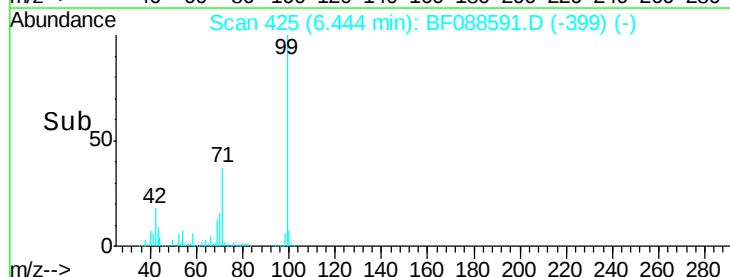
71 37.3 23.4 35.0#

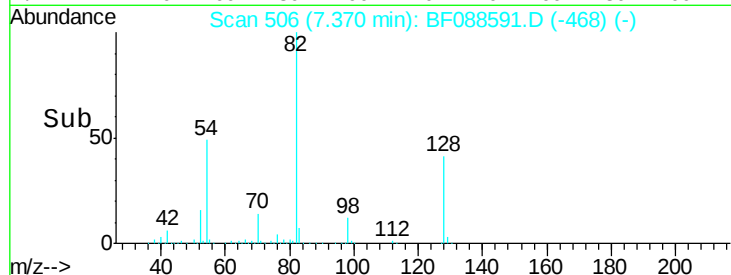
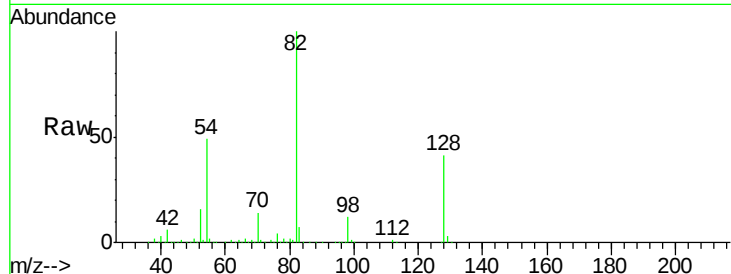
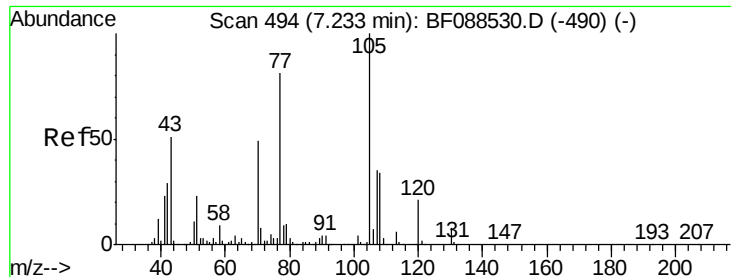


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

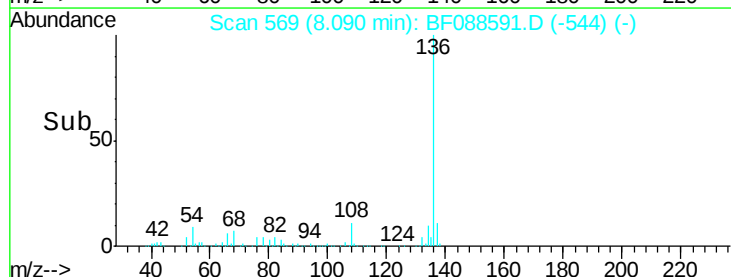
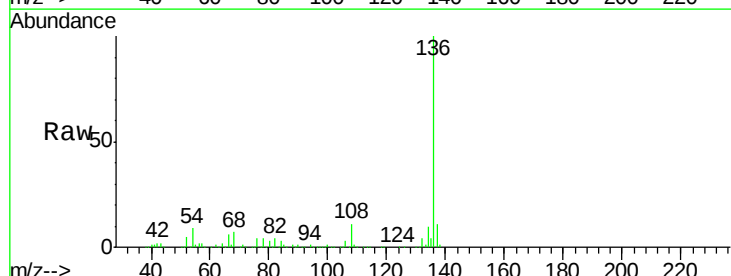
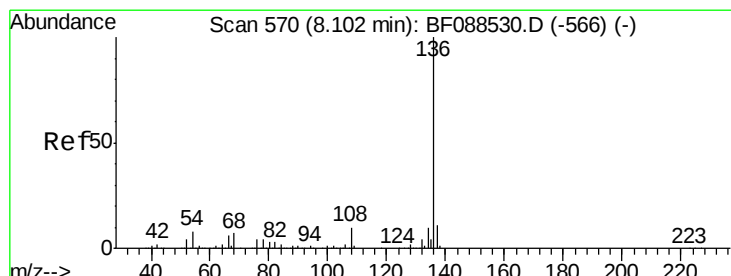
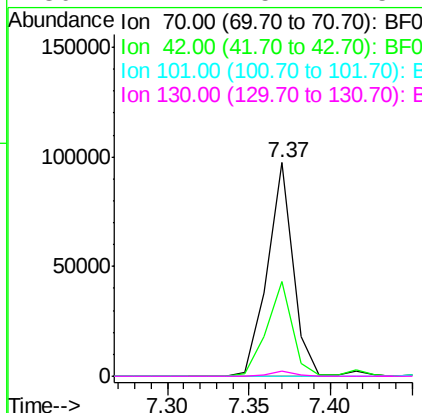




#19
n-Nitroso-di-n-propylamine
Concen: 13.70 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF088591.D
Acq: 1 Jul 2016 23:39

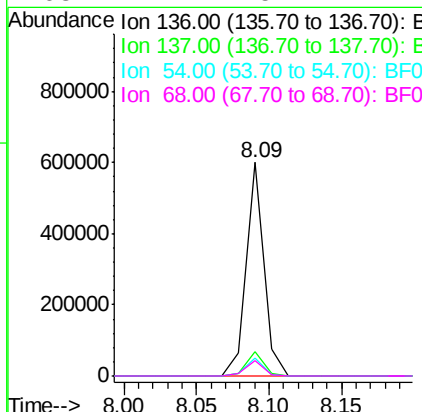
Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

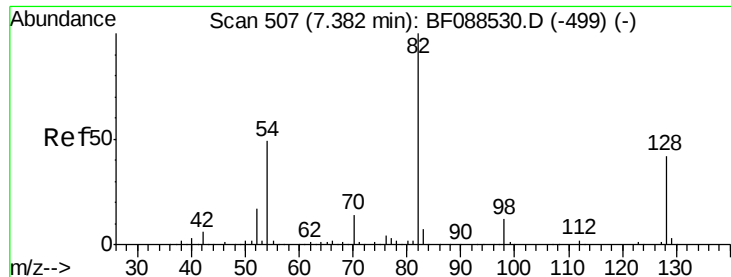
Tgt Ion: 70 Resp: 107698
Ion Ratio Lower Upper
70 100
42 44.1 49.6 74.4#
101 0.0 7.1 10.7#
130 2.2 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF088591.D
Acq: 1 Jul 2016 23:39

Tgt Ion: 136 Resp: 509646
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.7 6.6 10.0
68 7.2 5.1 7.7

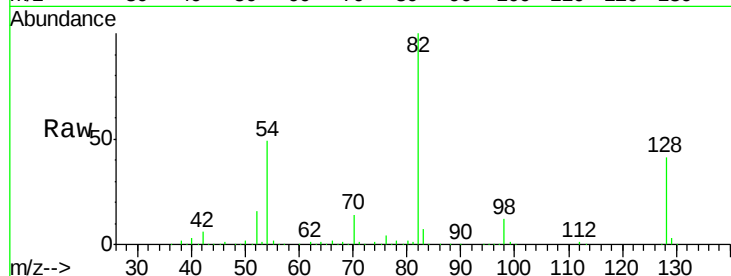




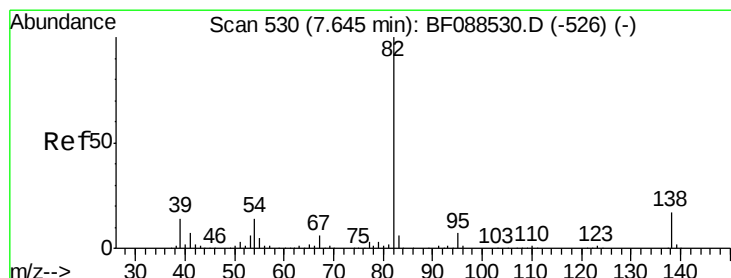
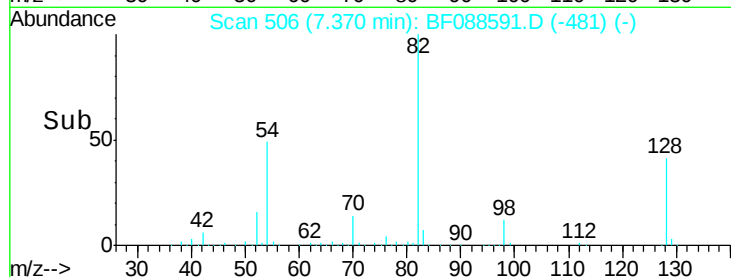
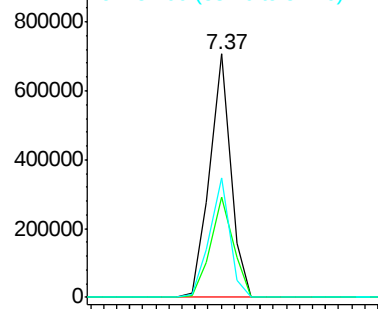
#23
Nitrobenzene-d5
Concen: 81.81 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF088591.D
Acq: 1 Jul 2016 23:39

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tgt Ion: 82 Resp: 795612
Ion Ratio Lower Upper
82 100
128 41.2 35.9 53.9
54 48.8 40.9 61.3

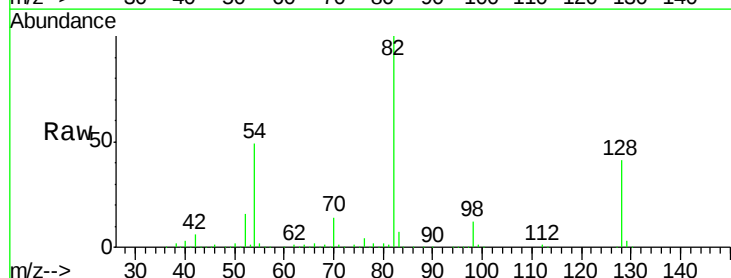


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

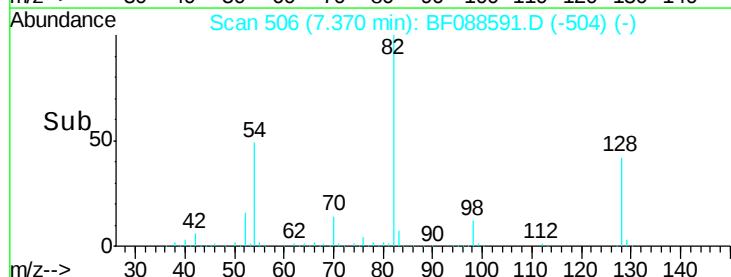
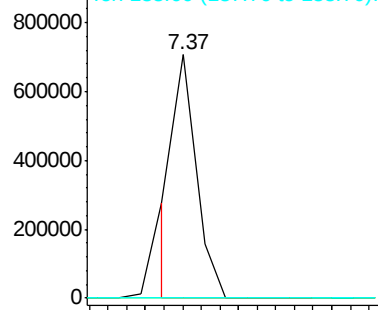


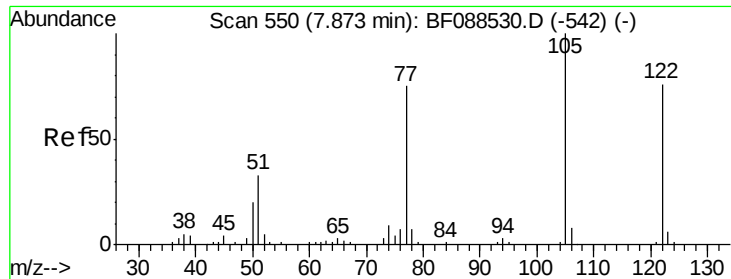
#25
Isophorone
Concen: 32.96 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.27 min
Lab File: BF088591.D
Acq: 1 Jul 2016 23:39

Tgt Ion: 82 Resp: 593779
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 2.43 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.07 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

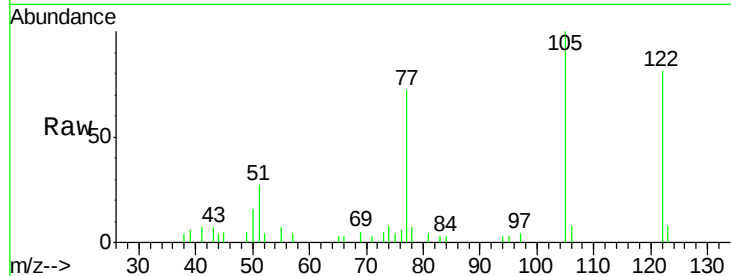
Tgt Ion:122 Resp: 14756

Ion Ratio Lower Upper

122 100

105 122.9 101.6 141.6

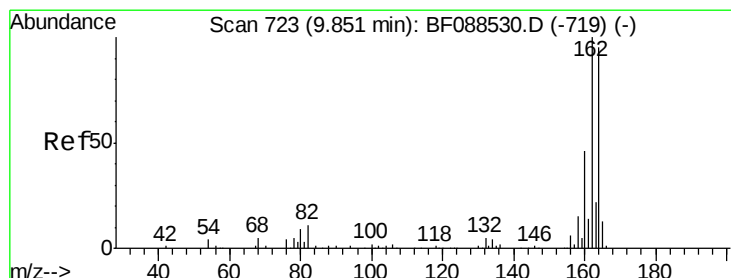
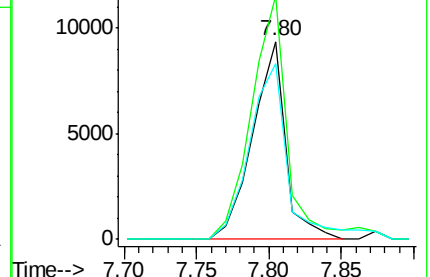
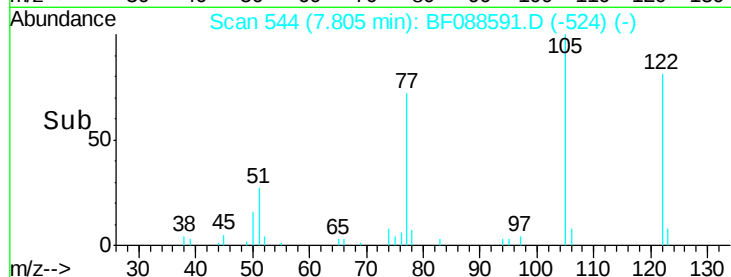
77 88.5 70.6 110.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

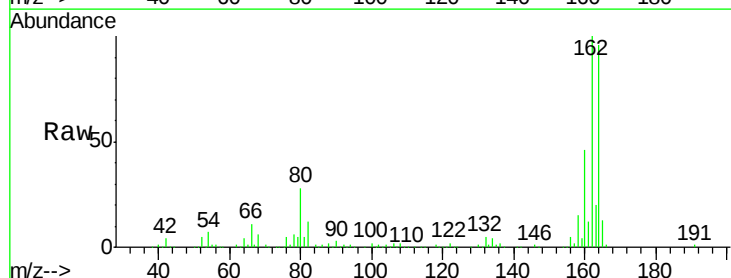
Tgt Ion:164 Resp: 221305

Ion Ratio Lower Upper

164 100

162 104.0 85.4 128.2

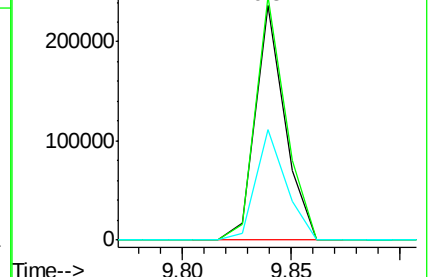
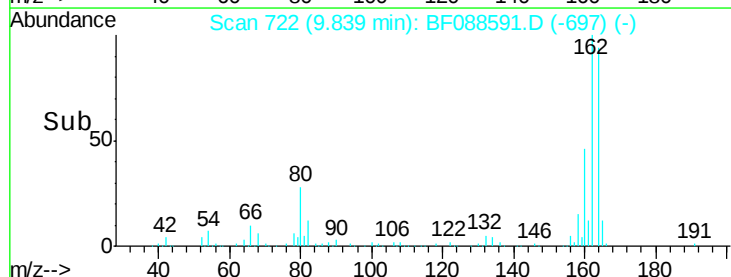
160 47.5 39.5 59.3

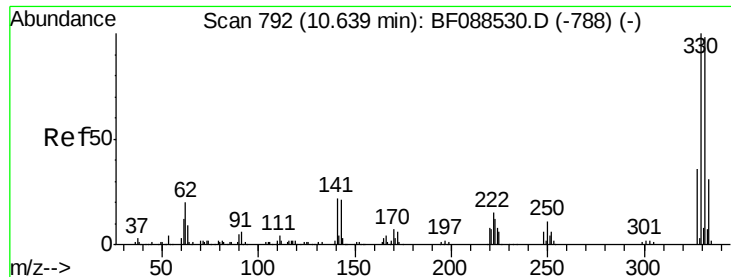


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

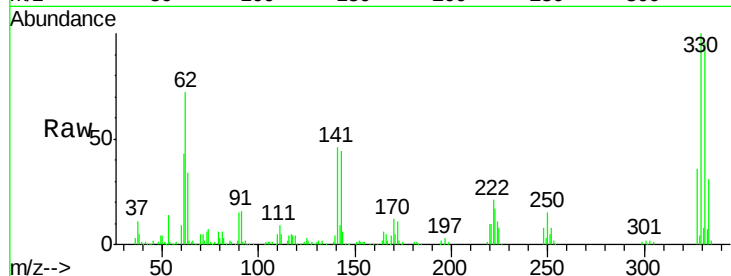




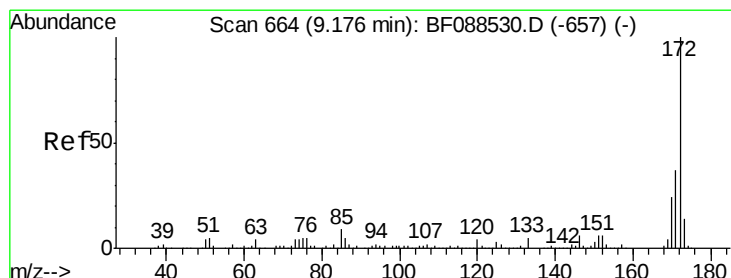
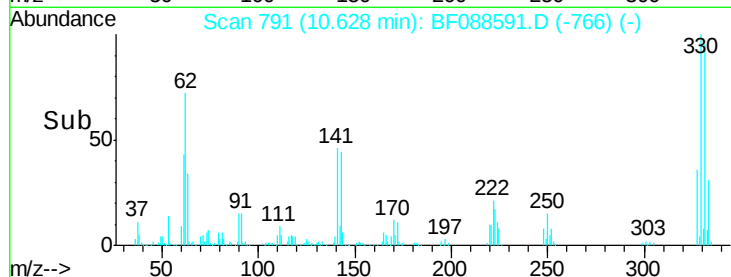
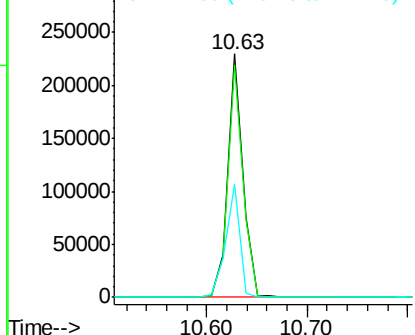
#41
 2,4,6-Tribromophenol
 Concen: 117.59 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF088591.D
 Acq: 1 Jul 2016 23:39

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Tgt Ion:330 Resp: 241650
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 43.5 0.0 0.0#

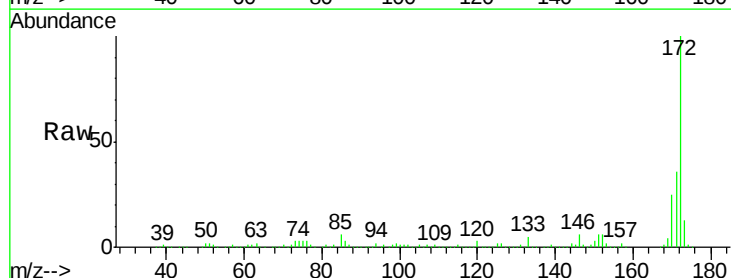


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

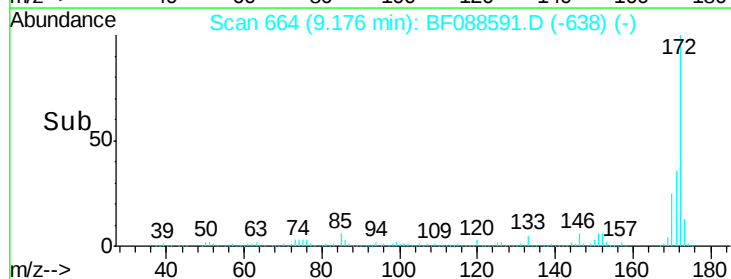
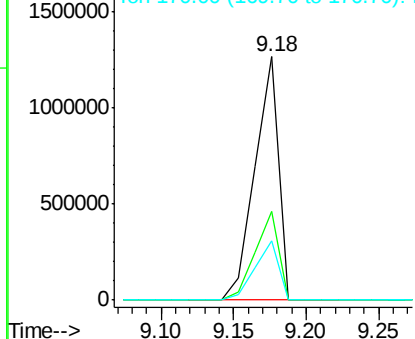


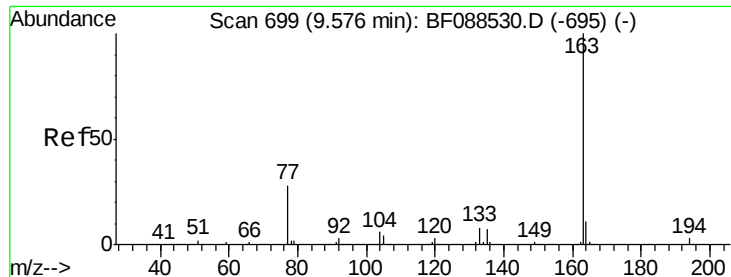
#44
 2-Fluorobiphenyl
 Concen: 101.84 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF088591.D
 Acq: 1 Jul 2016 23:39

Tgt Ion:172 Resp: 1426798
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 24.5 19.2 28.8



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





#49

Dimethylphthalate

Concen: 11.75 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

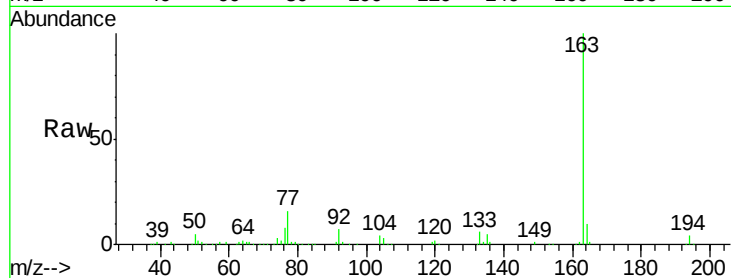
Tgt Ion:163 Resp: 185183

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

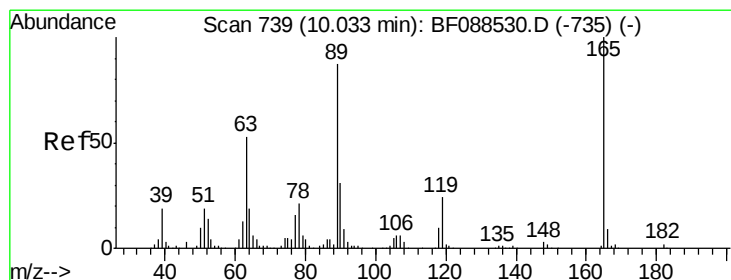
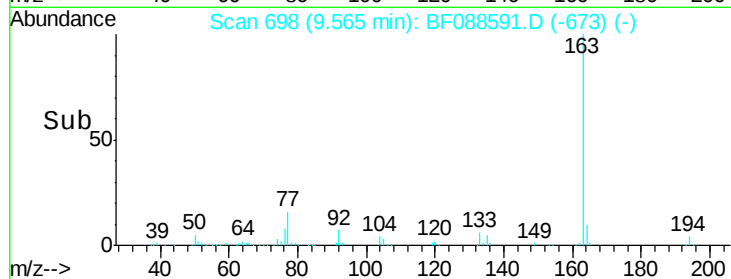
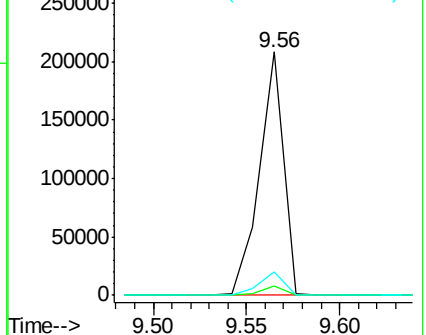
164 9.6 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.34 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.19 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

Tgt Ion:165 Resp: 28952

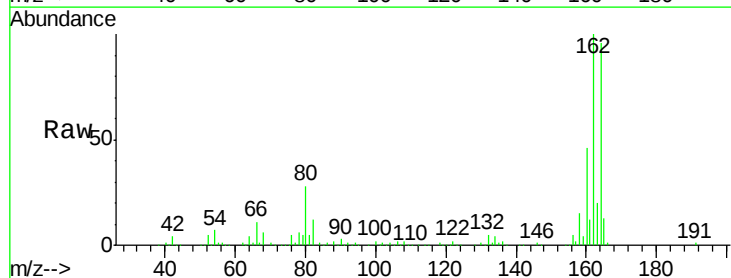
Ion Ratio Lower Upper

165 100

63 1.7 22.0 33.0#

89 1.9 41.1 61.7#

182 0.0 2.0 3.0#

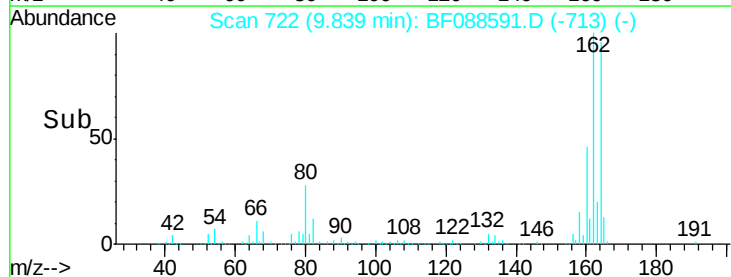
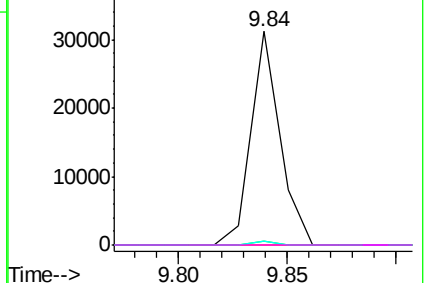


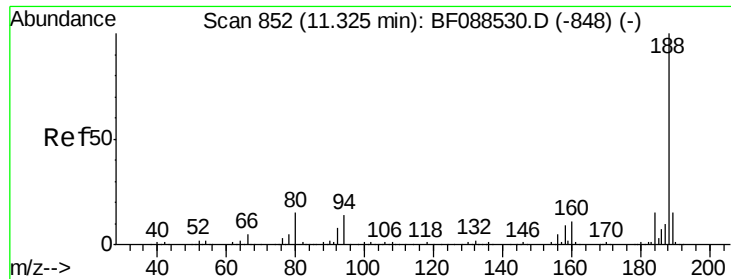
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

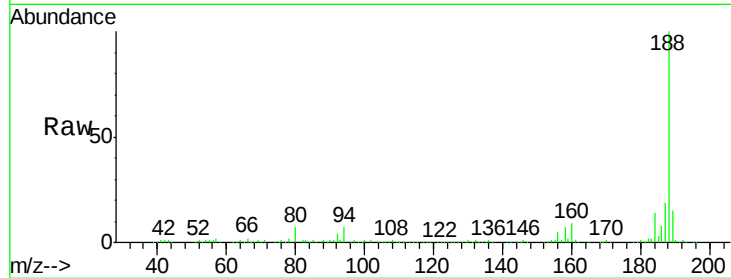




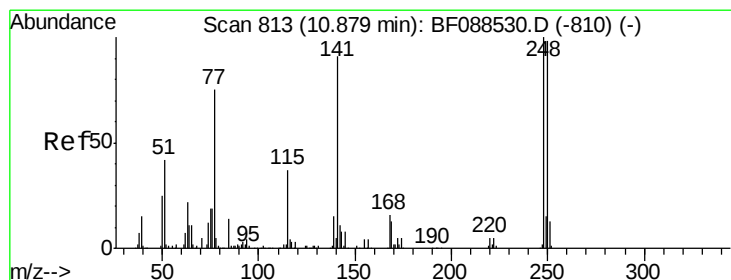
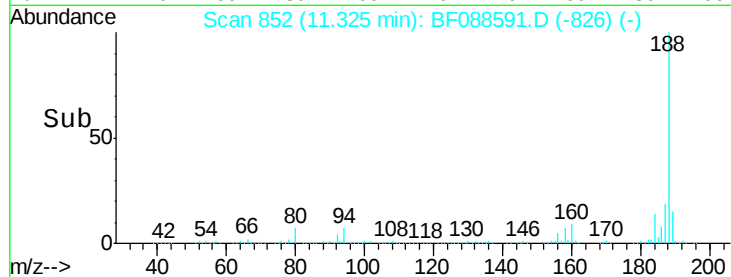
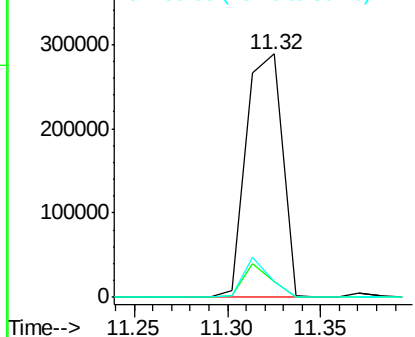
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: BF088591.D
 Acq: 1 Jul 2016 23:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Tgt Ion:188 Resp: 388086
 Ion Ratio Lower Upper
 188 100
 94 6.5 9.0 13.6#
 80 6.6 10.0 15.0#

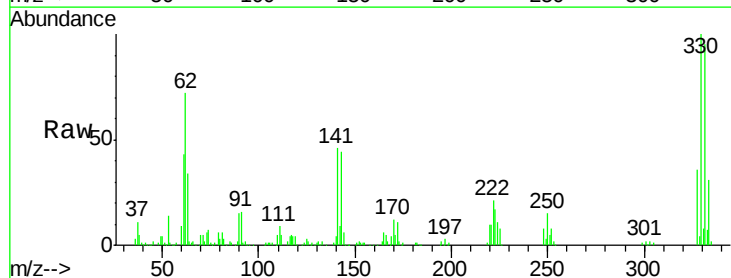


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

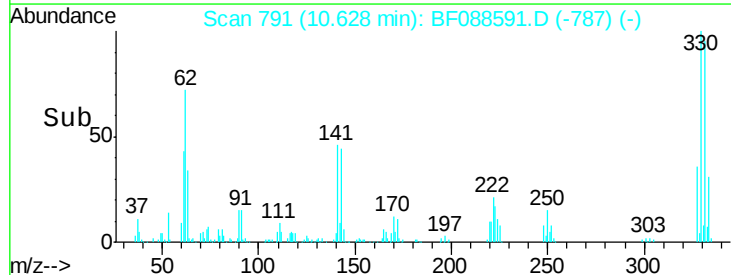
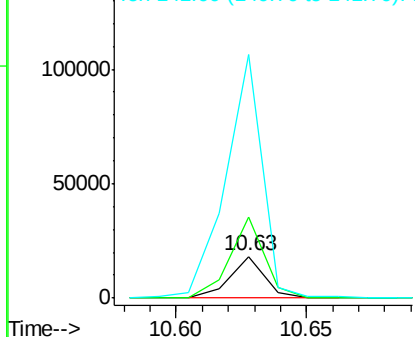


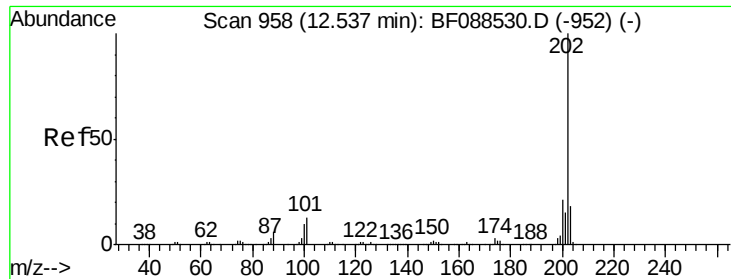
#66
 4-Bromophenyl-phenylether
 Concen: 4.25 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.25 min
 Lab File: BF088591.D
 Acq: 1 Jul 2016 23:39

Tgt Ion:248 Resp: 16635
 Ion Ratio Lower Upper
 248 100
 250 196.7 77.1 115.7#
 141 587.5 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

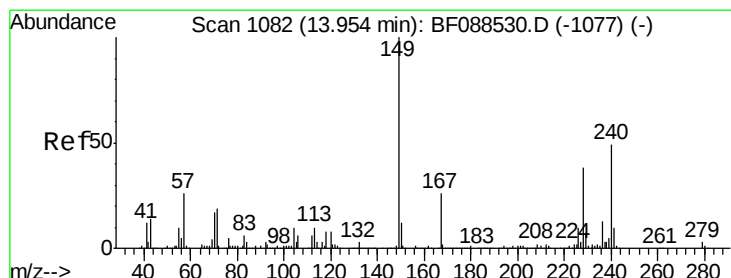
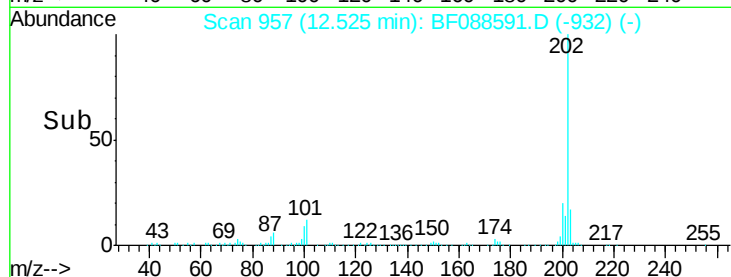
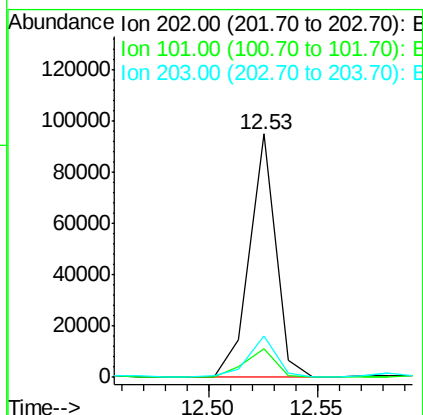
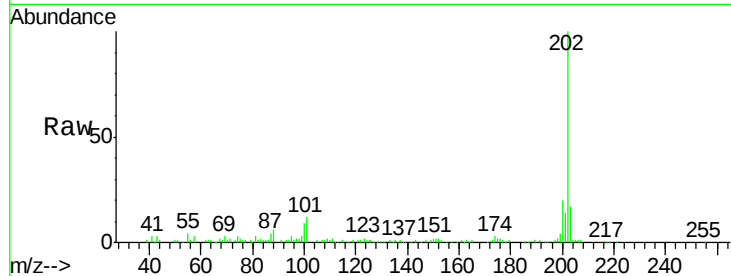




#74
 Fluoranthene
 Concen: 3.72 ng
 RT: 12.53 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: BF088591.D
 Acq: 1 Jul 2016 23:39

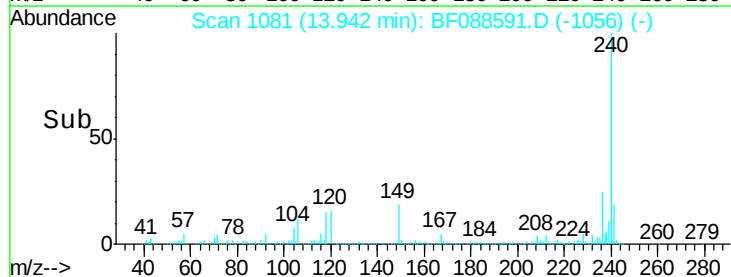
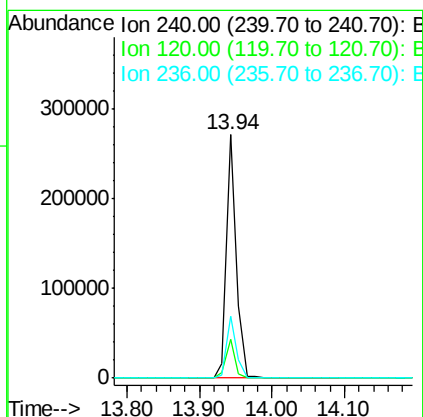
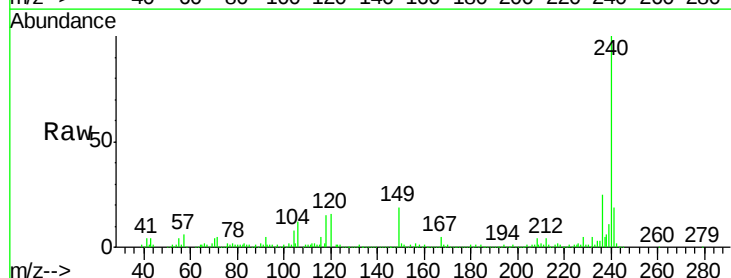
Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

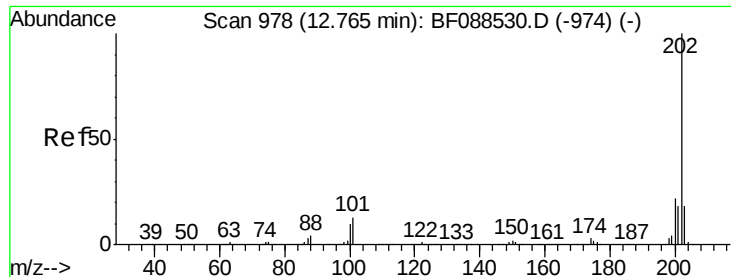
Tgt Ion:202 Resp: 80031
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 33.1
 203 17.0 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: BF088591.D
 Acq: 1 Jul 2016 23:39

Tgt Ion:240 Resp: 257013
 Ion Ratio Lower Upper
 240 100
 120 15.8 6.8 10.2#
 236 25.5 20.2 30.2

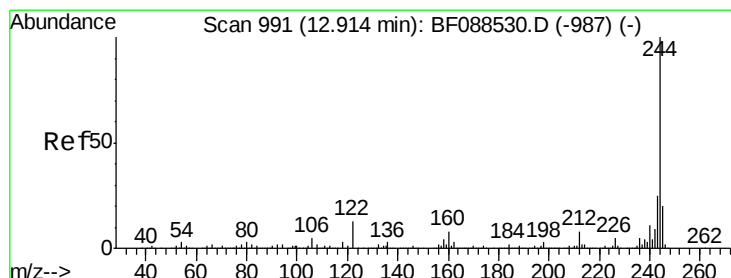
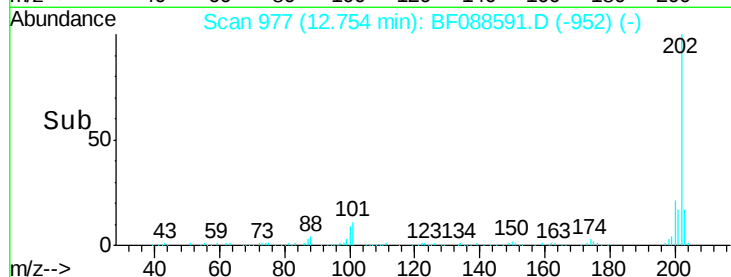
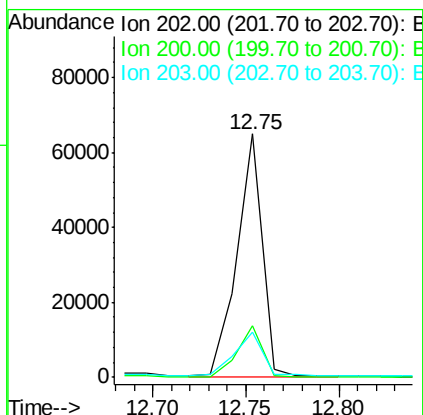
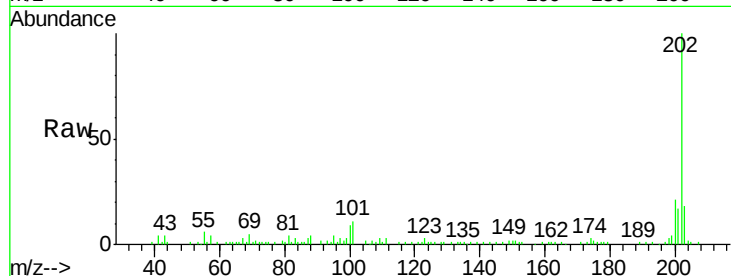




#77
 Pyrene
 Concen: 2.88 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF088591.D
 Acq: 1 Jul 2016 23:39

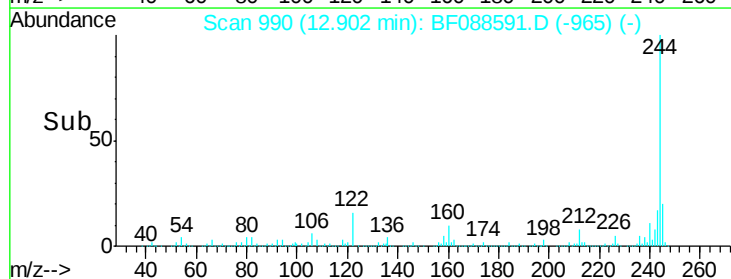
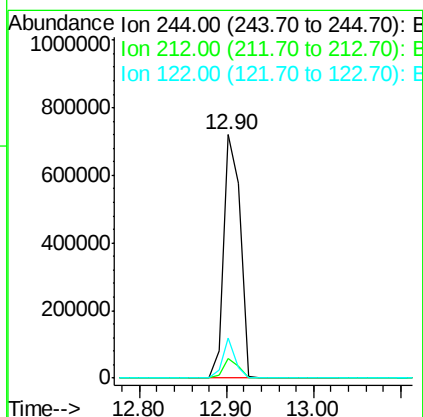
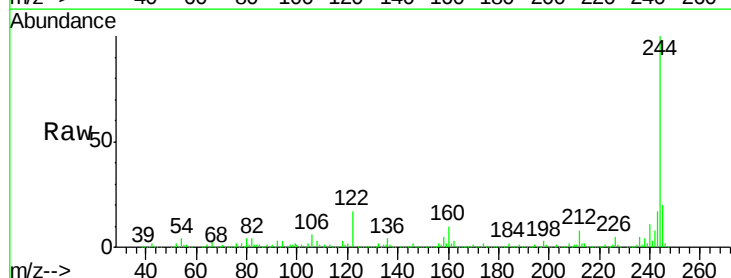
Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

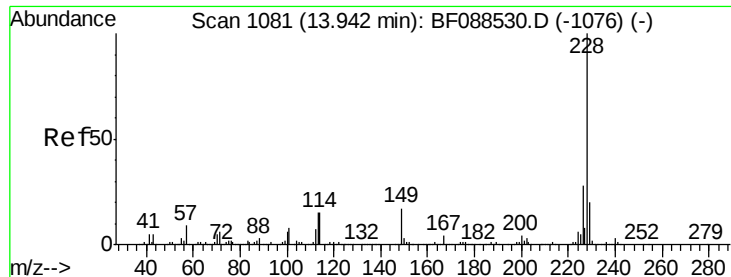
Tgt Ion: 202 Resp: 62659
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.4 26.2
 203 18.4 14.5 21.7



#78
 Terphenyl-d14
 Concen: 82.48 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BF088591.D
 Acq: 1 Jul 2016 23:39

Tgt Ion: 244 Resp: 951794
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 16.6 11.2 16.8





#80

Benzo(a)anthracene

Concen: 2.49 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

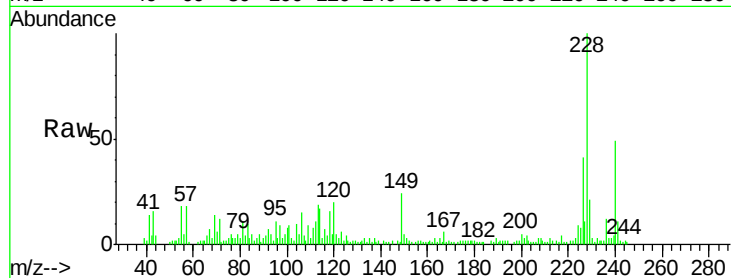
Tgt Ion:228 Resp: 41215

Ion Ratio Lower Upper

228 100

226 40.7 22.3 33.5#

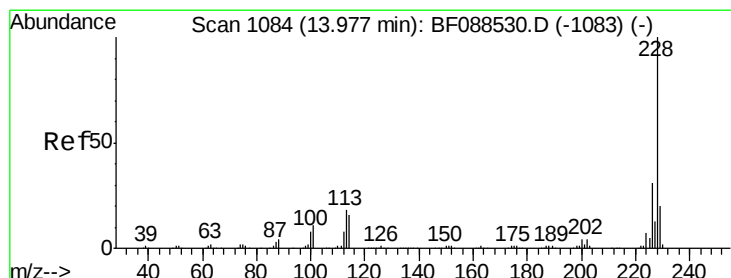
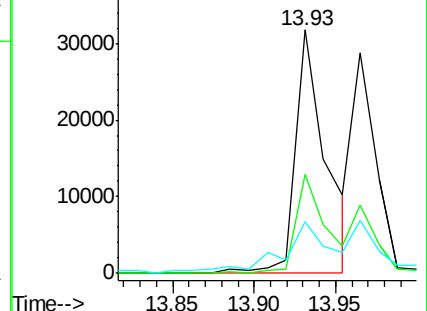
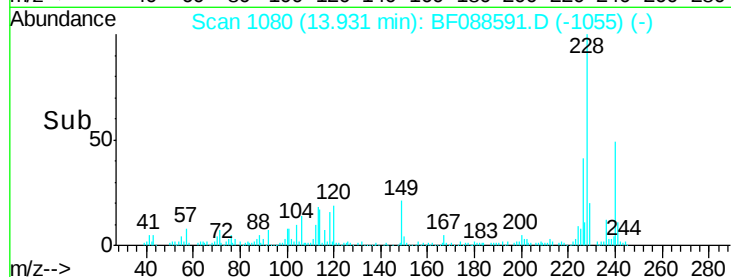
229 21.2 16.0 24.0



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: 2.52 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

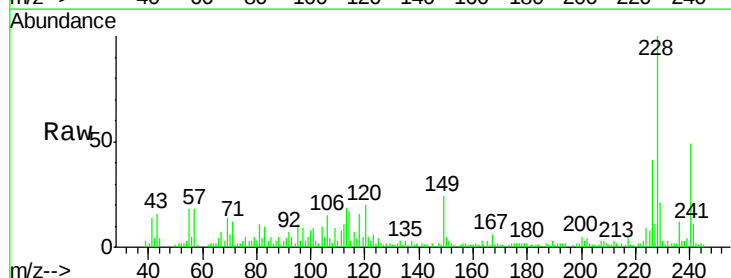
Tgt Ion:228 Resp: 41215

Ion Ratio Lower Upper

228 100

226 40.7 25.4 38.2#

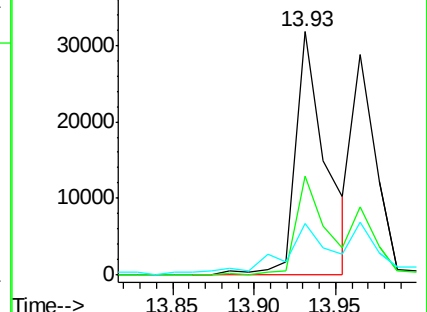
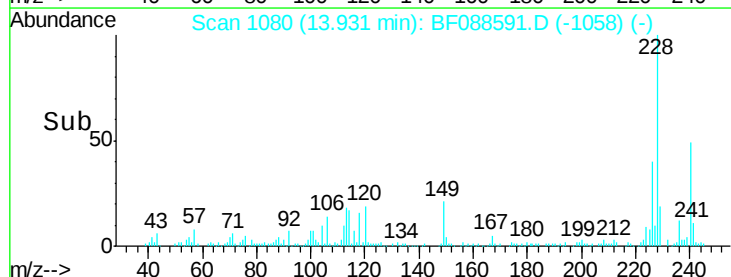
229 21.2 16.3 24.5

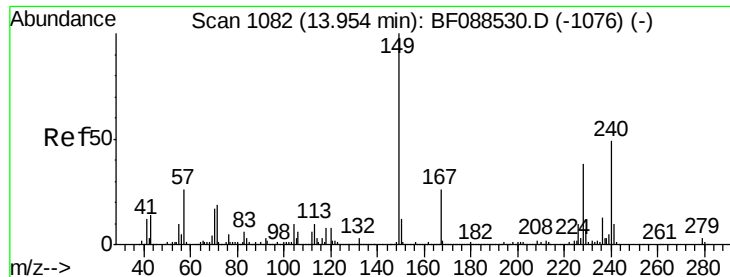


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.36 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

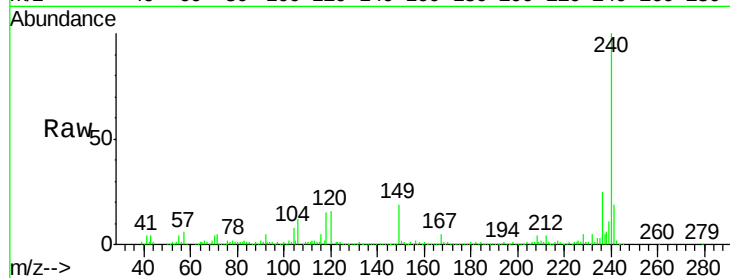
Tgt Ion:149 Resp: 48373

Ion Ratio Lower Upper

149 100

167 25.2 20.5 30.7

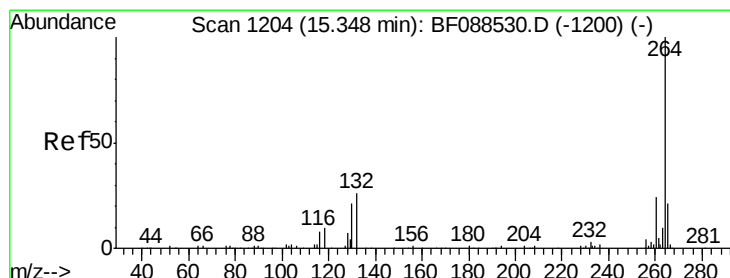
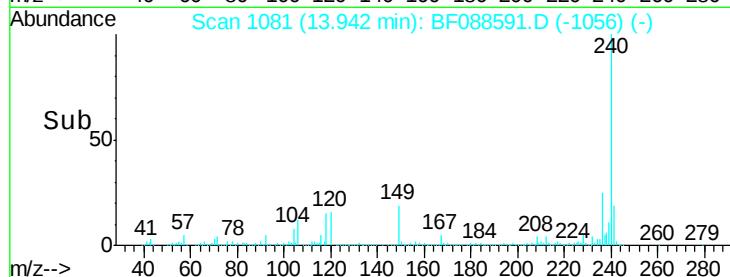
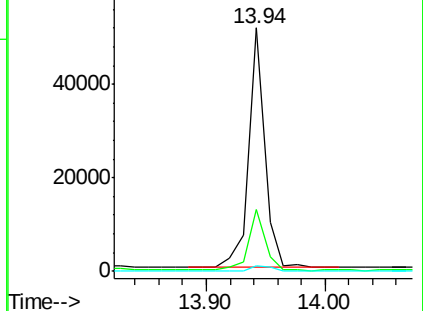
279 2.1 2.0 3.0



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: 15.35 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF088591.D

Acq: 1 Jul 2016 23:39

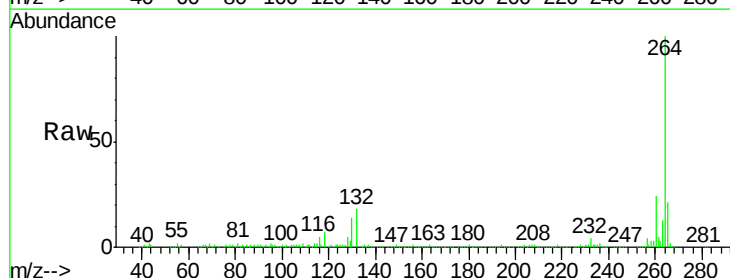
Tgt Ion:264 Resp: 237331

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

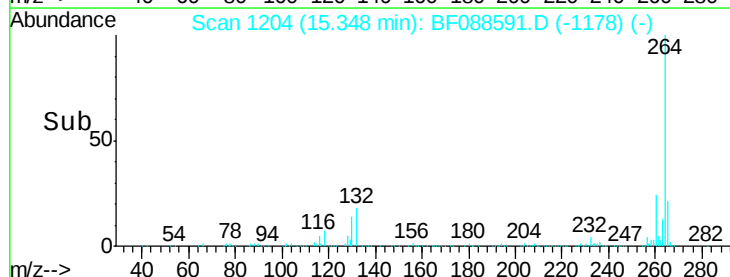
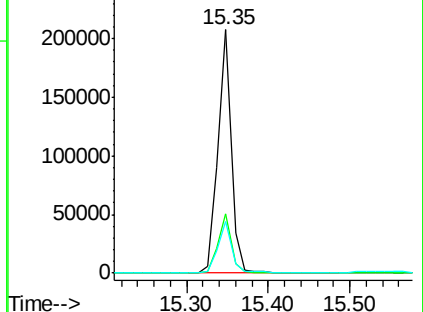
265 21.4 16.9 25.3

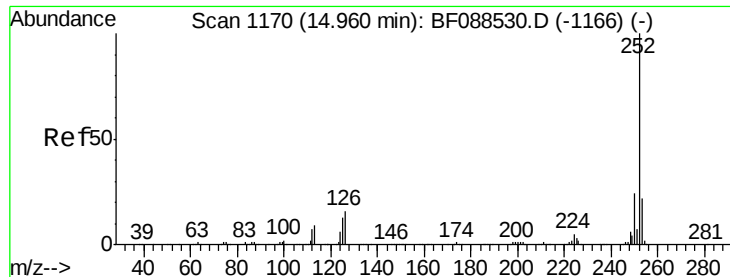


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

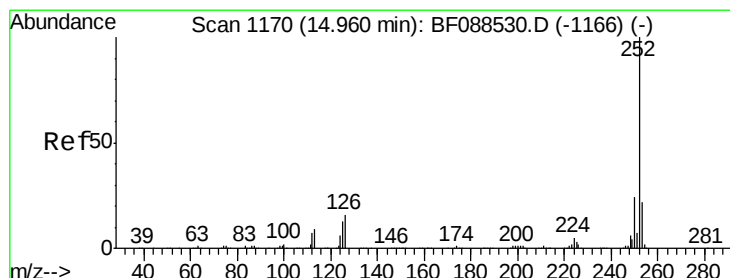
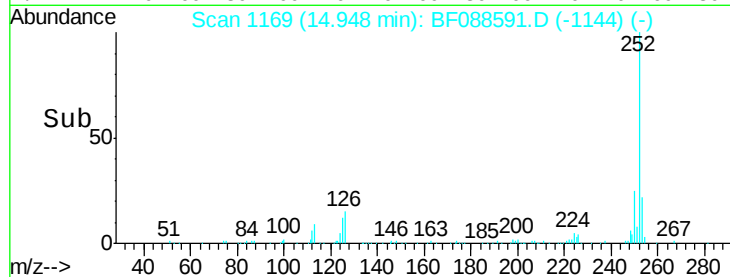
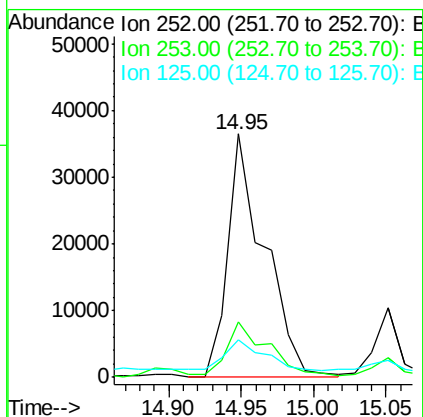
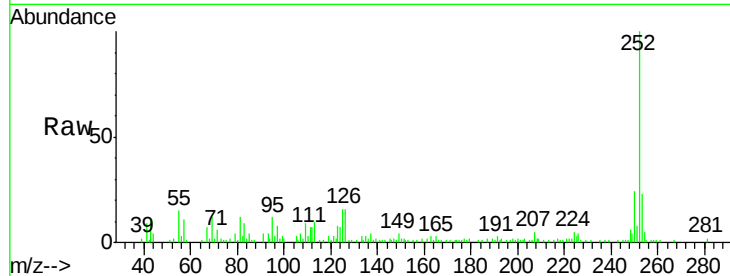




#87
Benzo(b)fluoranthene
Concen: 4.31 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088591.D
Acq: 1 Jul 2016 23:39

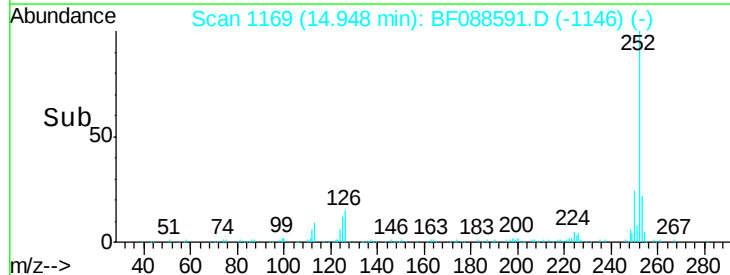
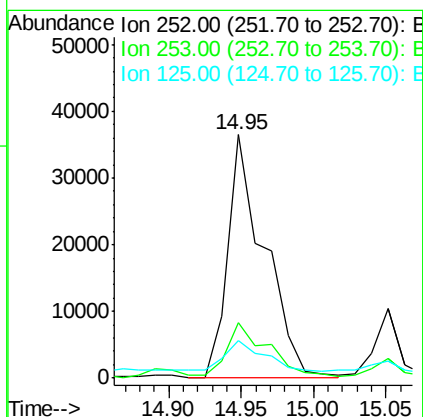
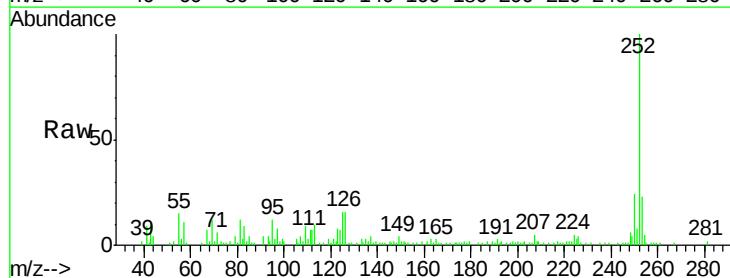
Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

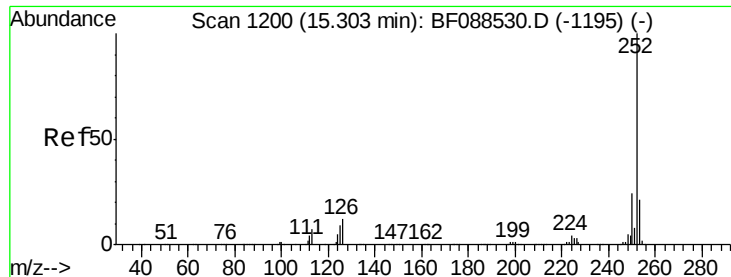
Tgt Ion:252 Resp: 64216
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 15.5 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 4.95 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088591.D
Acq: 1 Jul 2016 23:39

Tgt Ion:252 Resp: 64216
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 15.5 11.2 16.8





#89

Benzo(a)pyrene

Concen: 2.35 ng

RT: 15.28 min Scan# 1198

Delta R.T. -0.02 min

Lab File: BF088591.D

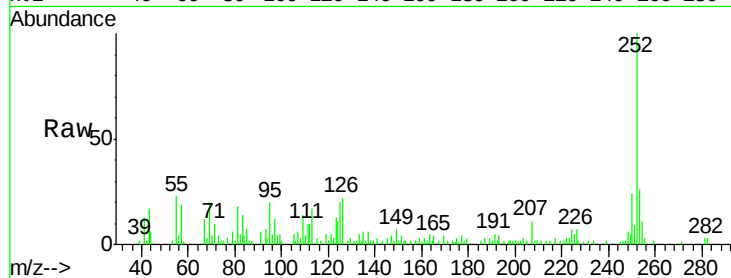
Acq: 1 Jul 2016 23:39

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP



Tgt Ion:	252	Resp:	29677
Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	19.9	12.5	18.7

