

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088309.D
 Acq On : 24 Jun 2016 1:05
 Operator : UM/SJ
 Sample : H3682-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(3.5-4)

Quant Time: Jun 24 01:42:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

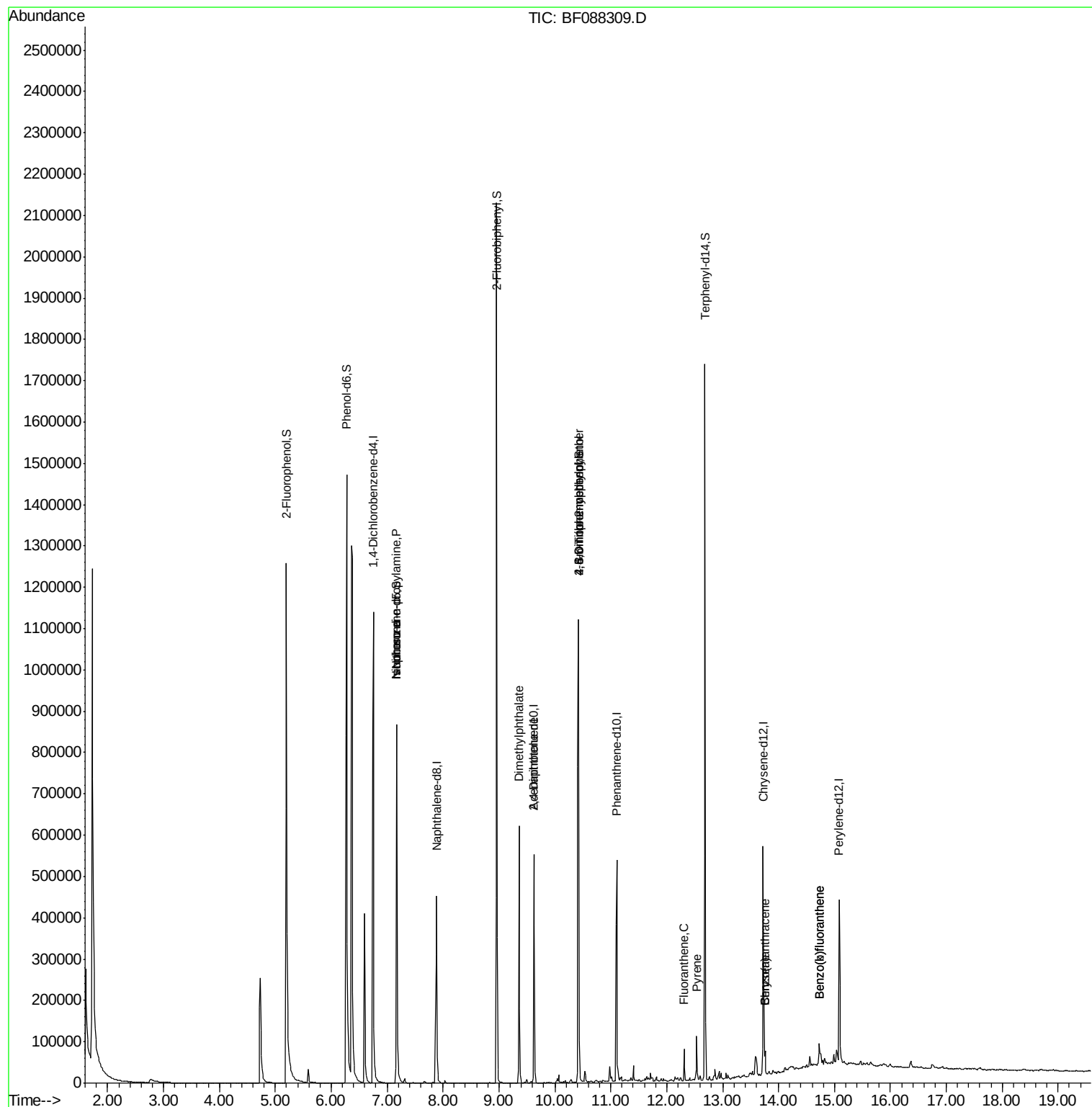
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	281429	20.00	ng	0.15
21) Naphthalene-d8	7.88	136	317371	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	146667	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	261497	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	185444	20.00	ng	-0.02
86) Perylene-d12	15.09	264	162905	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	655108	39.79	ng	0.02
7) Phenol-d6	6.27	99	831344	41.67	ng	0.01
23) Nitrobenzene-d5	7.16	82	461098	84.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	183087	118.22	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	705875	74.95	ng	-0.01
78) Terphenyl-d14	12.68	244	537103	65.91	ng	-0.01
Target Compounds						
10) Phenol	6.36	94	1143	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	58820	4.61	ng	# 71
25) Isophorone	7.16	82	452520	44.95	ng	# 65
45) 1,1'-Biphenyl	8.96	154	1243	Below Cal	#	1
49) Dimethylphthalate	9.36	163	281922	26.54	ng	100
56) 2,4-Dinitrotoluene	9.62	165	18646	5.96	ng	# 36
57) Fluorene	10.18	166	1506	Below Cal	#	81
64) 4,6-Dinitro-2-methylphenol	10.42	198	237	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.42	248	12403	4.42	ng	# 1
74) Fluoranthene	12.31	202	34446	2.38	ng	98
77) Pyrene	12.54	202	45271	3.29	ng	97
80) Benzo(a)anthracene	13.76	228	25227	2.39	ng	97
82) Chrysene	13.76	228	25227	2.54	ng	98
87) Benzo(b)fluoranthene	14.73	252	33814	2.98	ng	# 95
88) Benzo(k)fluoranthene	14.73	252	33814	3.95	ng	99

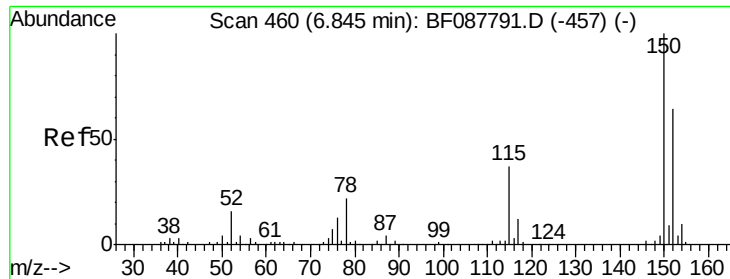
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.15 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-2(3.5-4)

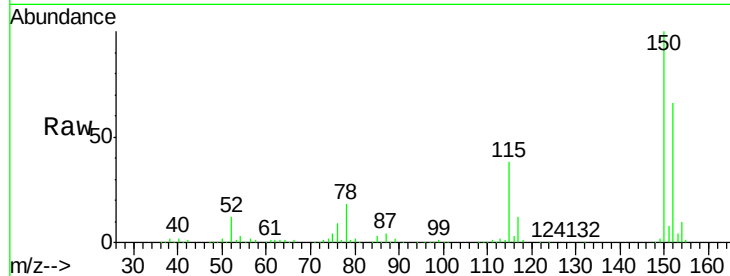
Tgt Ion:152 Resp: 281429

Ion Ratio Lower Upper

152 100

150 152.4 123.8 185.6

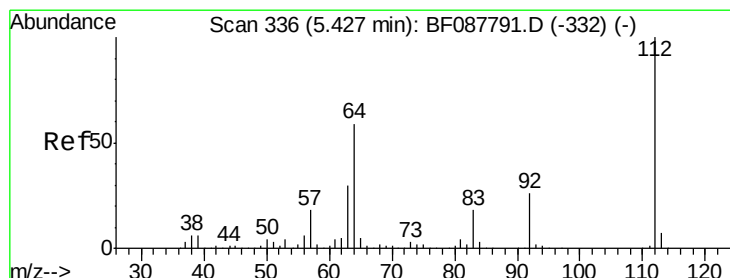
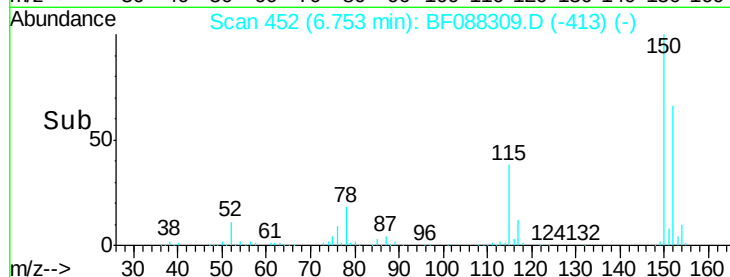
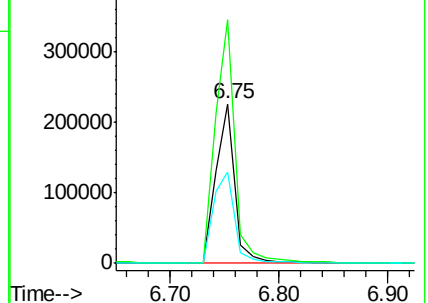
115 57.5 39.6 59.4



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: 39.79 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.02 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

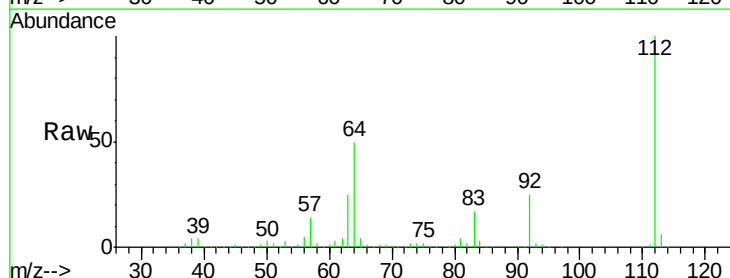
Tgt Ion:112 Resp: 655108

Ion Ratio Lower Upper

112 100

64 49.5 42.2 63.2

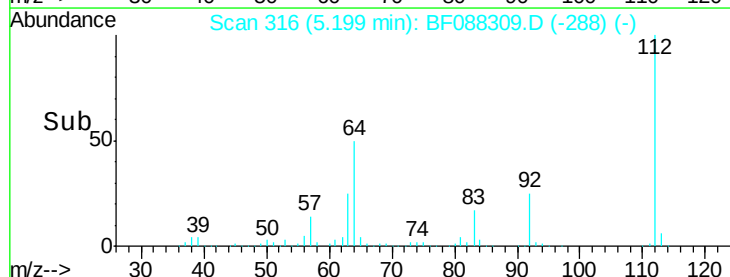
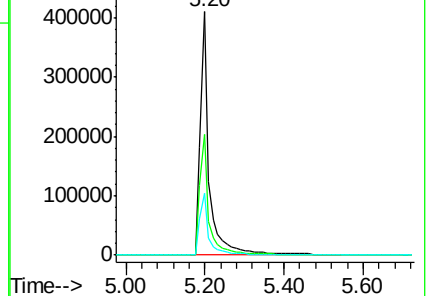
63 25.2 21.8 32.8

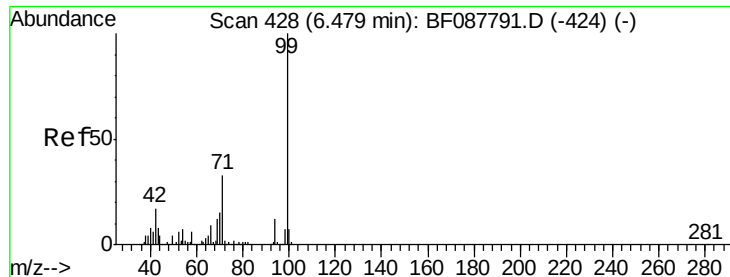


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.67 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-2(3.5-4)

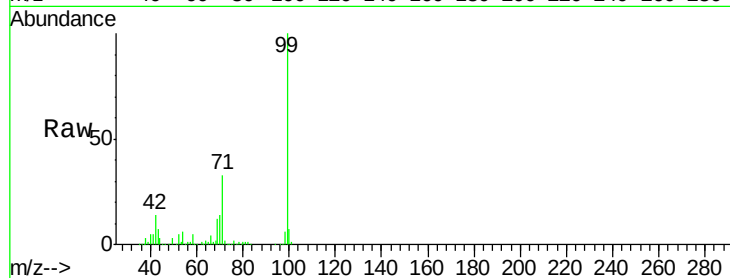
Tgt Ion: 99 Resp: 831344

Ion Ratio Lower Upper

99 100

42 14.2 12.2 18.2

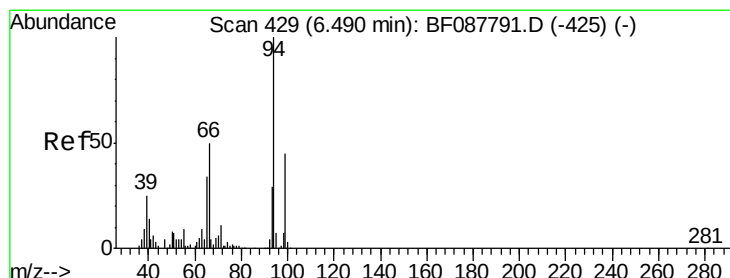
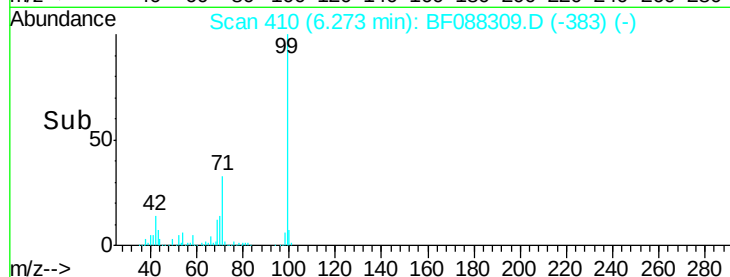
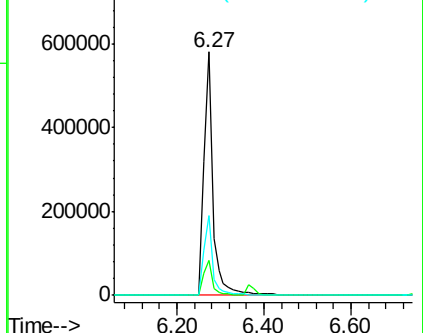
71 32.8 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.36 min Scan# 418

Delta R.T. 0.09 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

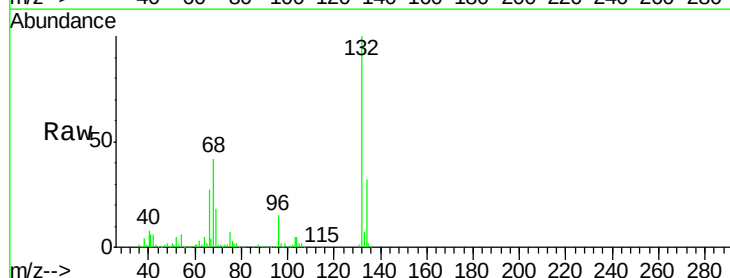
Tgt Ion: 94 Resp: 1143

Ion Ratio Lower Upper

94 100

65 900.8 5.9 45.9#

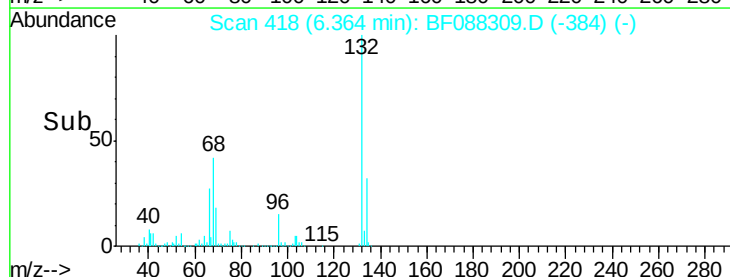
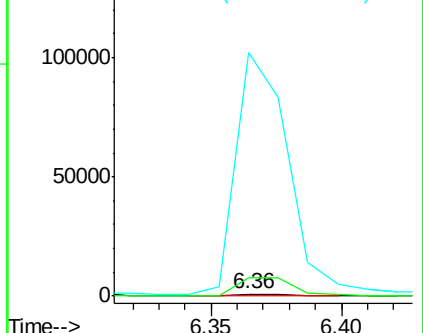
66 11576.4 14.0 54.0#

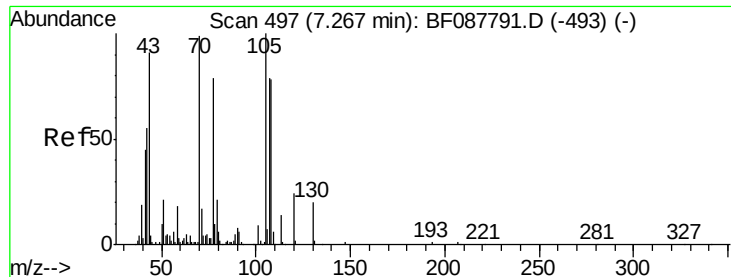


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

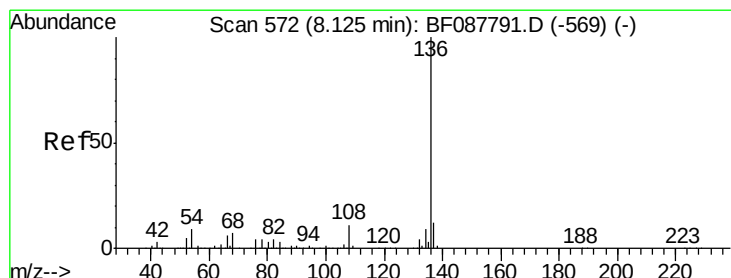
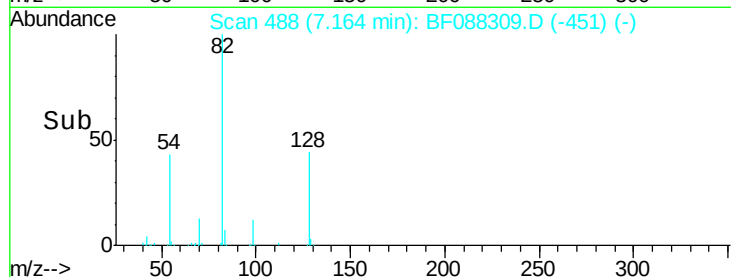
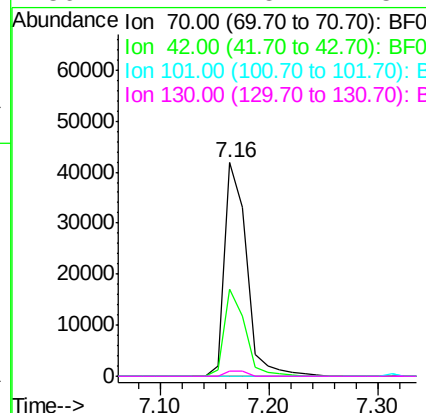
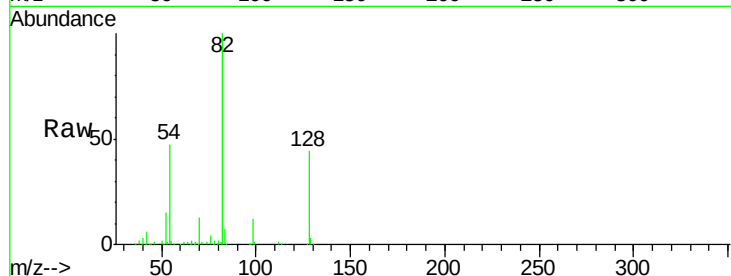




#19
n-Nitroso-di-n-propylamine
Concen: 4.61 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF088309.D
Acq: 24 Jun 2016 1:05

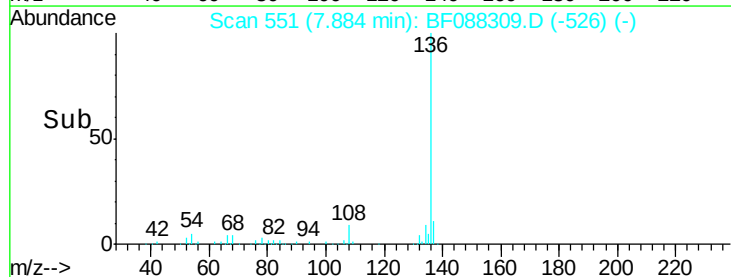
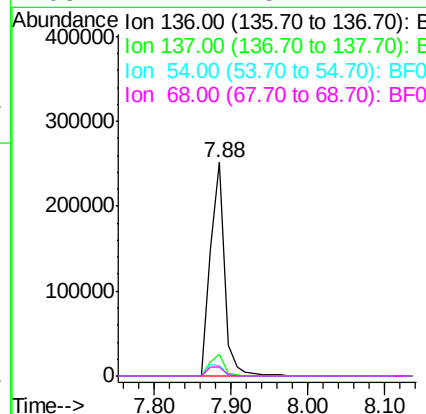
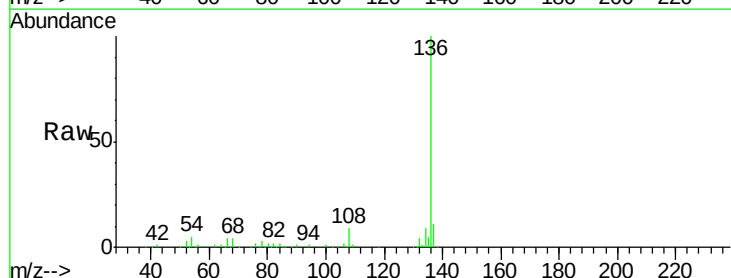
Instrument :
BNA_F
ClientSampleId :
SB-2(3.5-4)

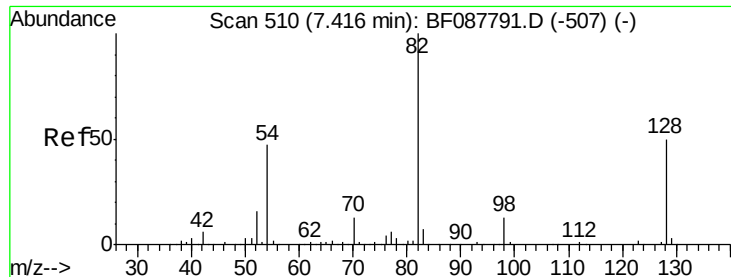
Tgt Ion: 70 Resp: 58820
Ion Ratio Lower Upper
70 100
42 40.9 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF088309.D
Acq: 24 Jun 2016 1:05

Tgt Ion: 136 Resp: 317371
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 4.9 6.6 10.0#
68 4.2 5.1 7.7#

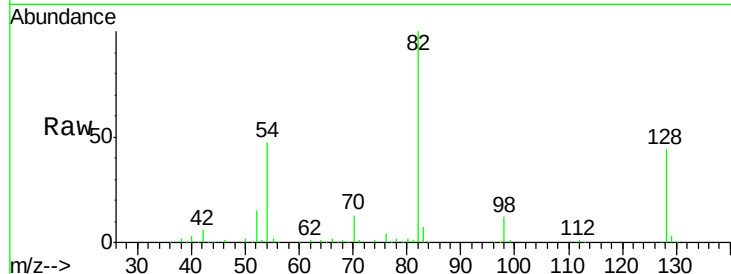




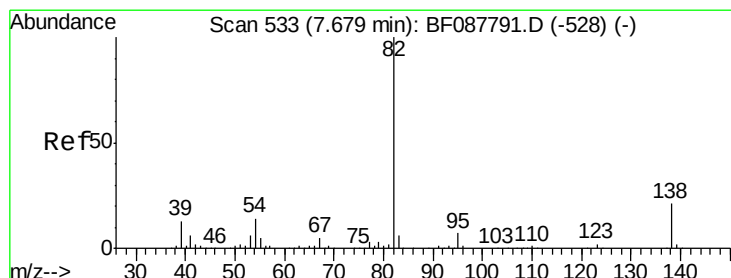
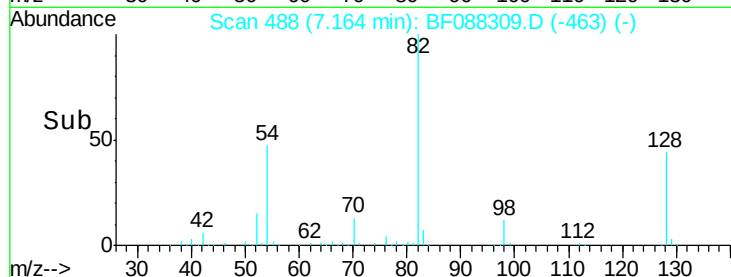
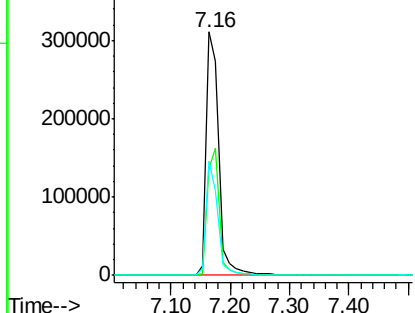
#23
Nitrobenzene-d5
Concen: 84.84 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF088309.D
Acq: 24 Jun 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-2(3.5-4)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.9	53.9
54	46.9	40.9	61.3

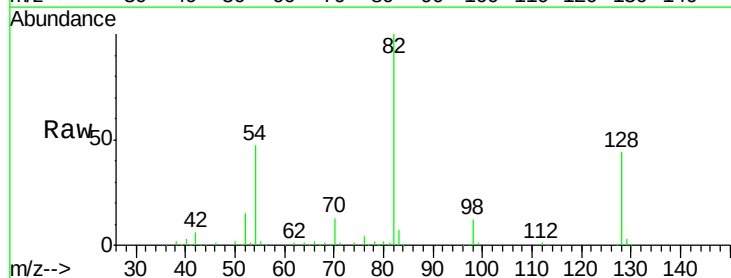


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

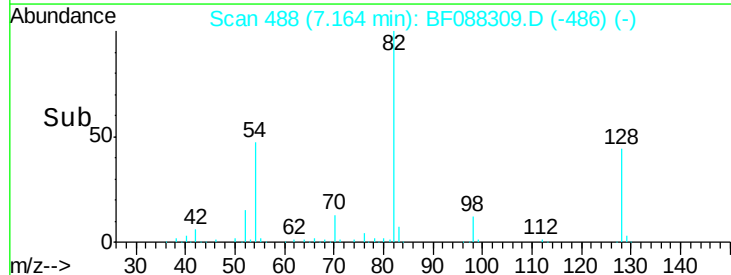
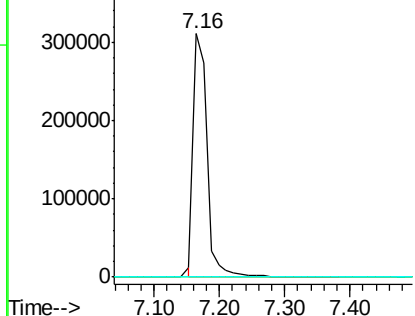


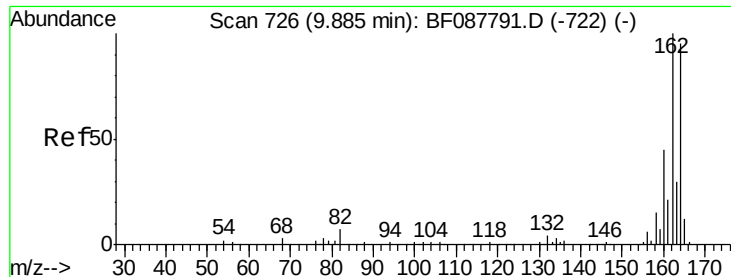
#25
Isophorone
Concen: 44.95 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.27 min
Lab File: BF088309.D
Acq: 24 Jun 2016 1:05

Tgt 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-2(3.5-4)

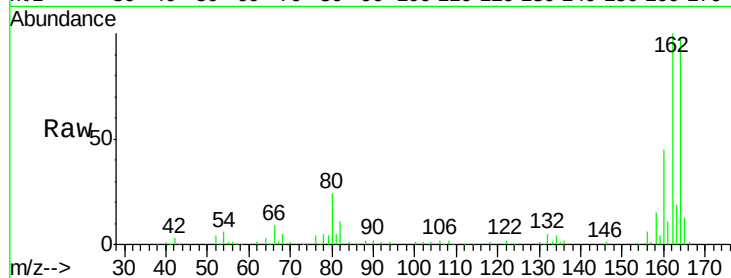
Tgt Ion:164 Resp: 146667

Ion Ratio Lower Upper

164 100

162 102.5 85.4 128.2

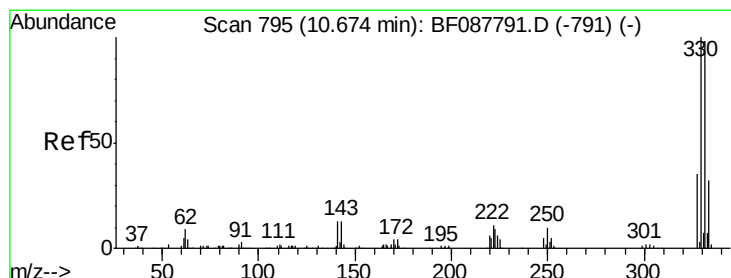
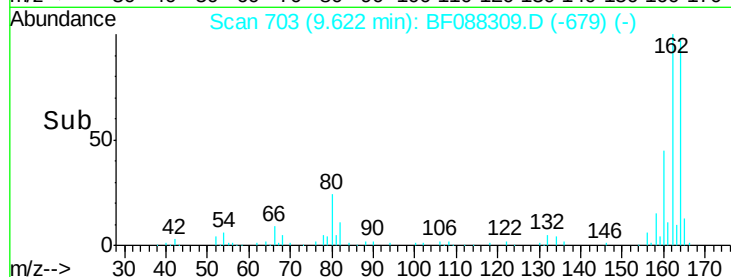
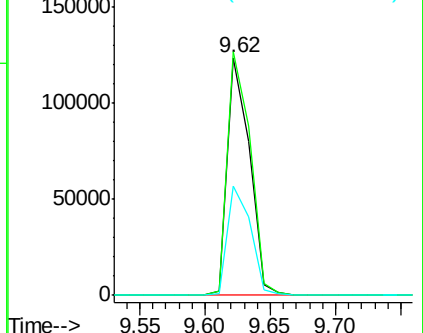
160 46.1 39.5 59.3



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: 118.22 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

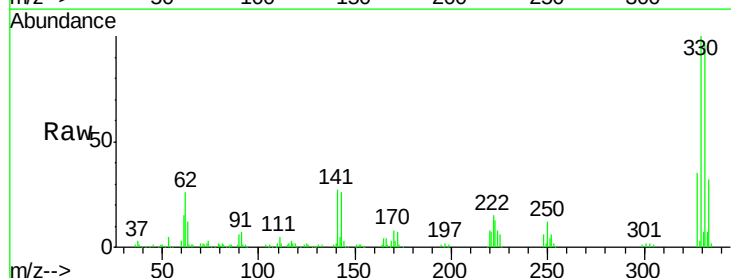
Tgt Ion:330 Resp: 183087

Ion Ratio Lower Upper

330 100

332 96.2 0.0 0.0#

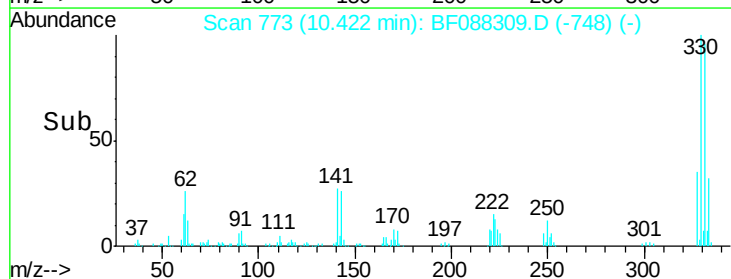
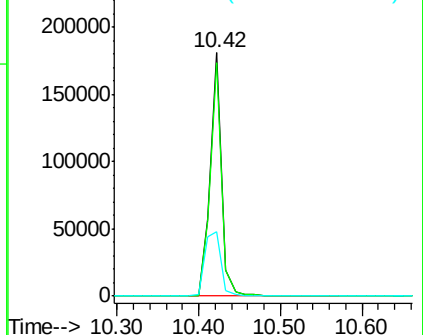
141 37.2 0.0 0.0#

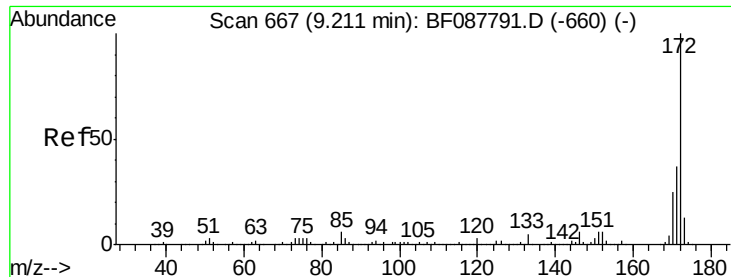


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

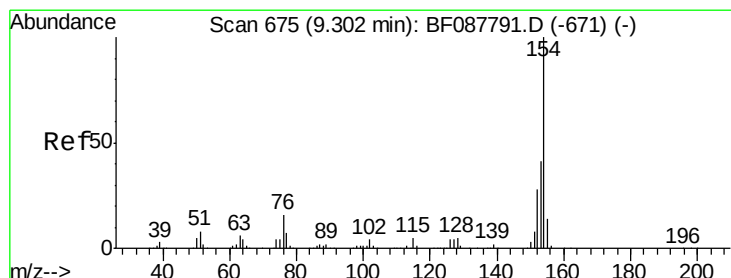
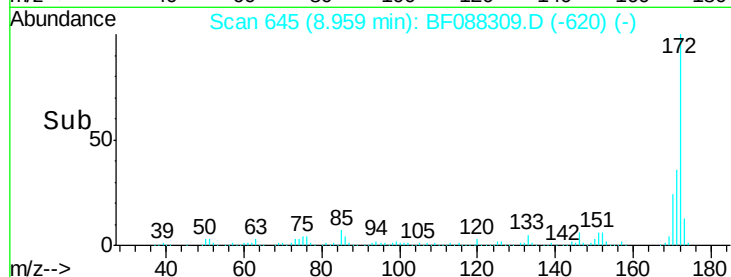
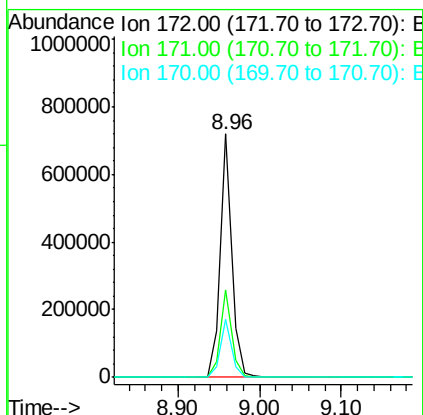
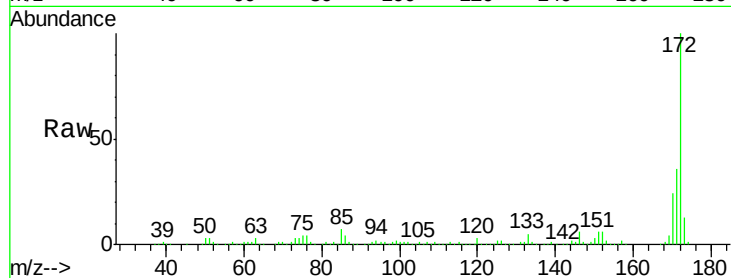




#44
2-Fluorobiphenyl
Concen: 74.95 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF088309.D
Acq: 24 Jun 2016 1:05

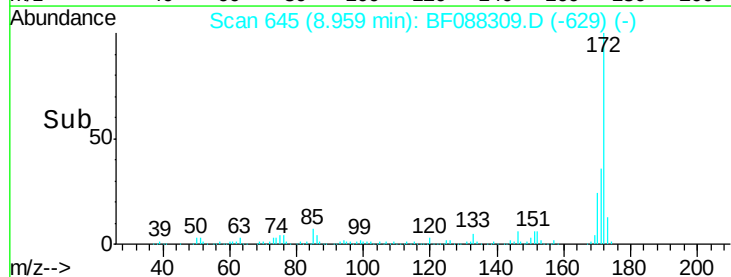
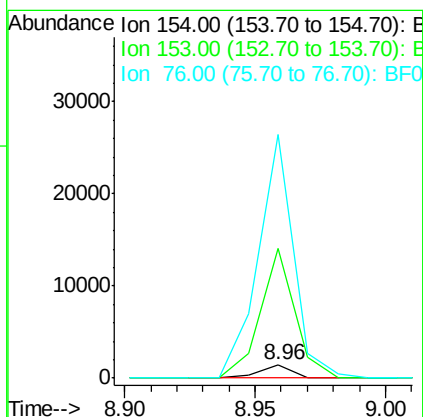
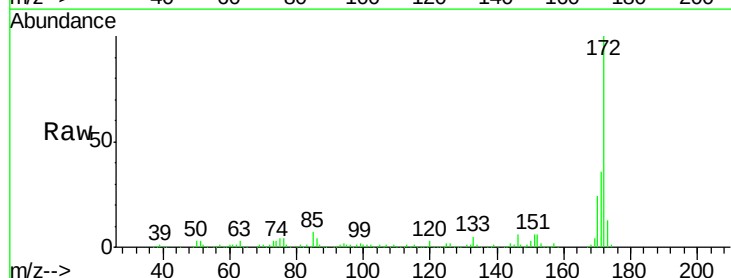
Instrument :
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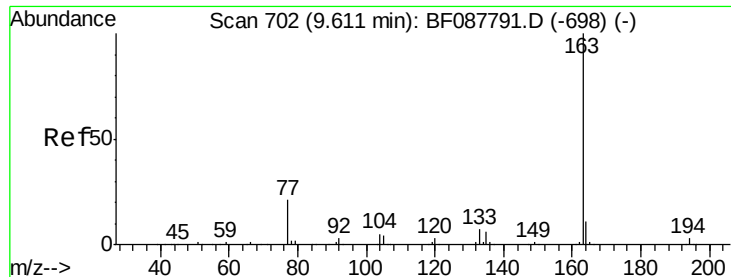
Tgt Ion:172 Resp: 705875
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.0 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 8.96 min Scan# 645
Delta R.T. -0.11 min
Lab File: BF088309.D
Acq: 24 Jun 2016 1:05

Tgt Ion:154 Resp: 1243
Ion Ratio Lower Upper
154 100
153 951.5 20.6 60.6#
76 1781.8 0.0 35.1#





#49

Dimethylphthalate

Concen: 26.54 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-2(3.5-4)

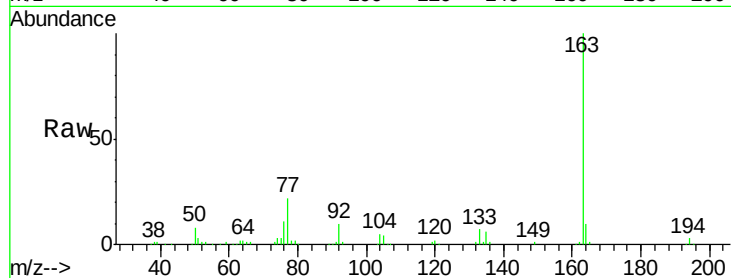
Tgt Ion:163 Resp: 281922

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

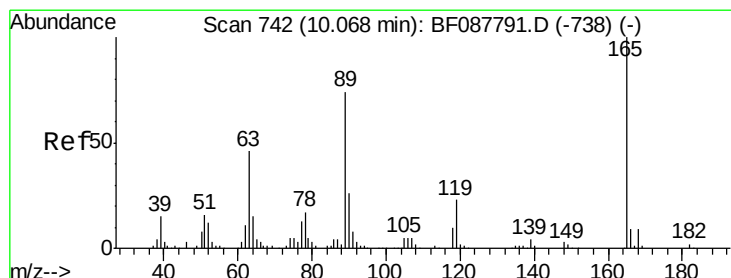
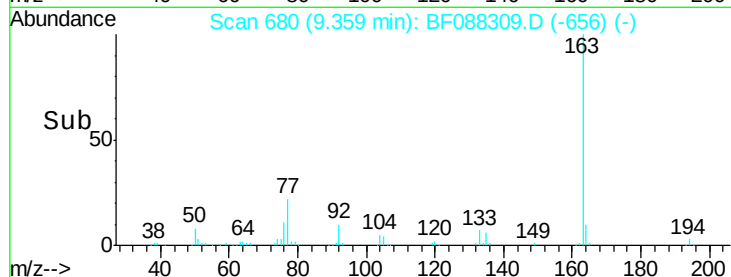
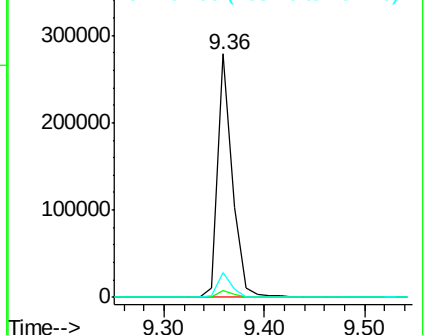
164 10.4 8.3 12.5



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: 5.96 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.23 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

Tgt Ion:165 Resp: 18646

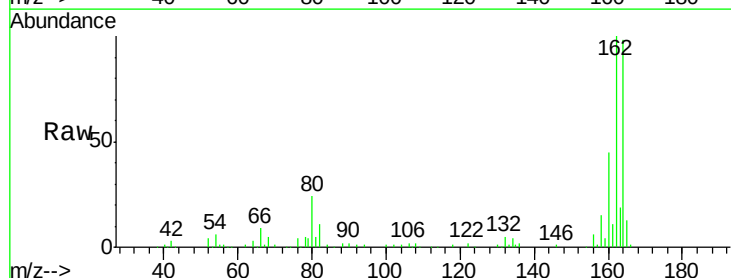
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

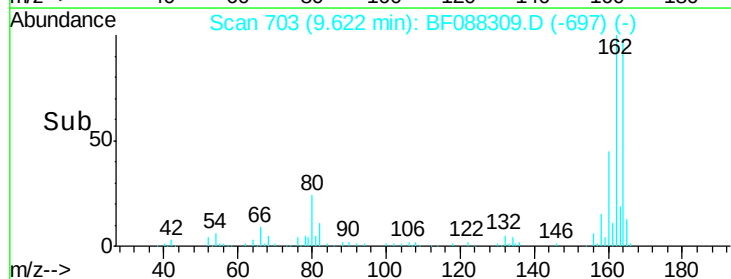
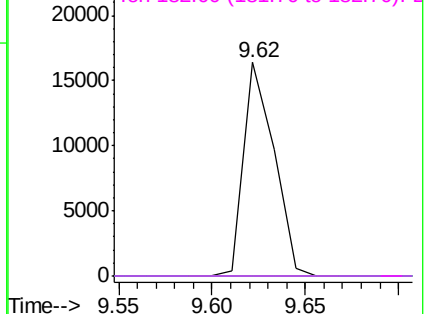


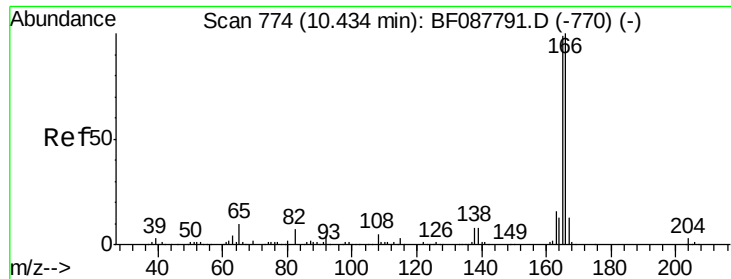
Abundance Ion 165.00 (164.70 to 165.70): E

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

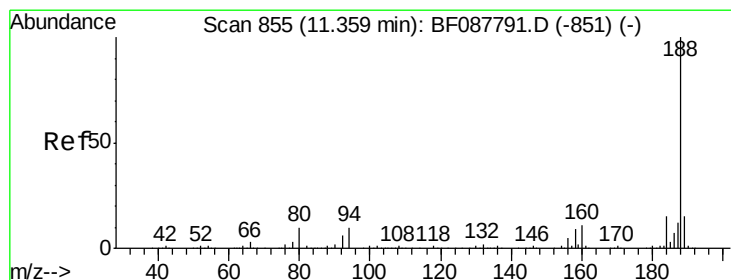
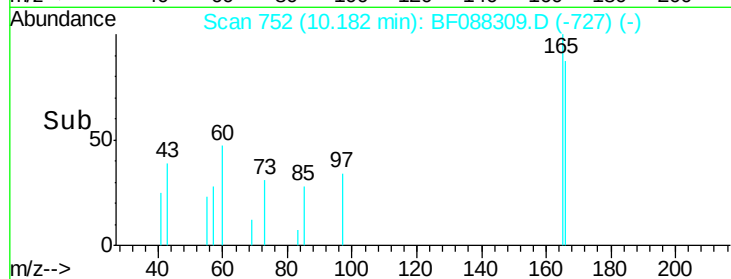
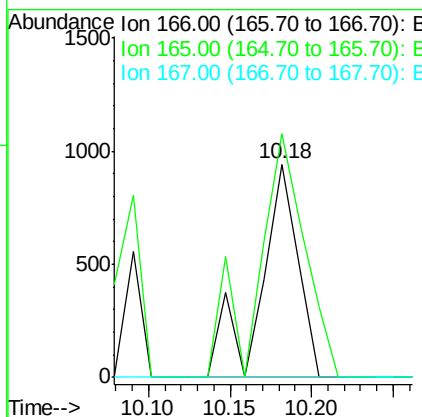
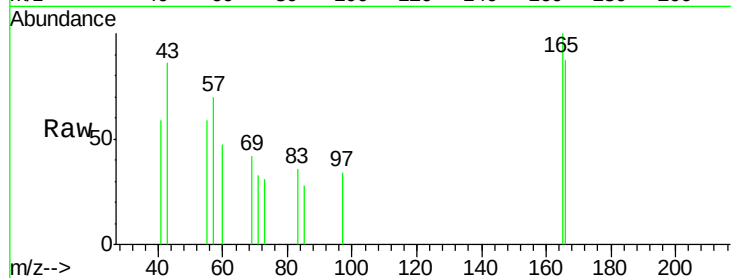




#57
 Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: BF088309.D
 Acq: 24 Jun 2016 1:05

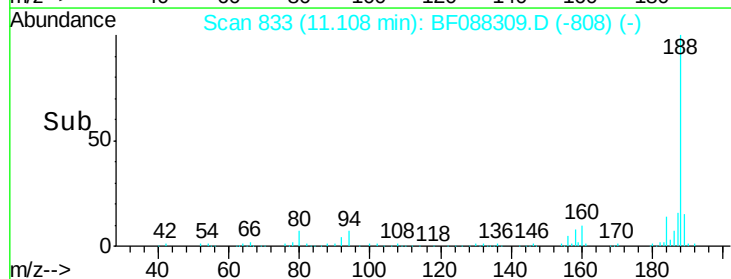
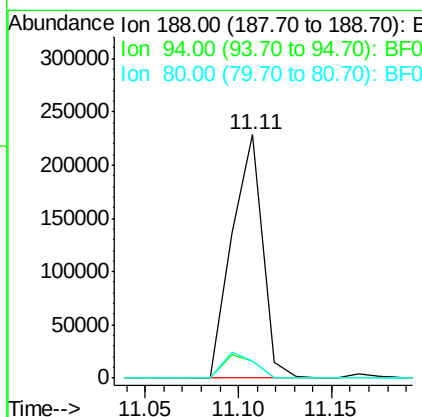
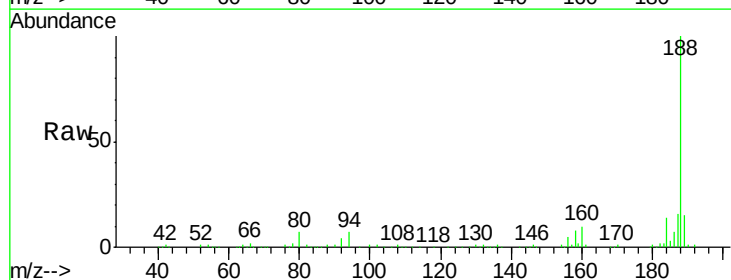
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(3.5-4)

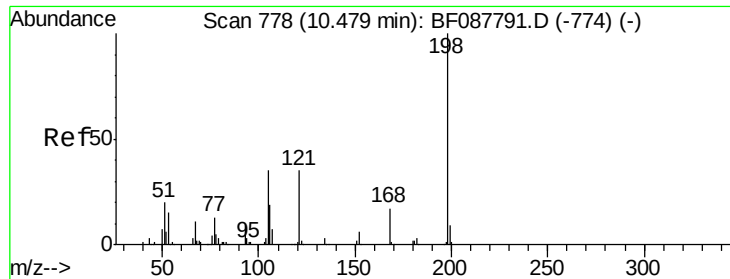
Tgt Ion:166 Resp: 1506
 Ion Ratio Lower Upper
 166 100
 165 114.3 77.8 116.8
 167 0.0 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF088309.D
 Acq: 24 Jun 2016 1:05

Tgt Ion:188 Resp: 261497
 Ion Ratio Lower Upper
 188 100
 94 7.2 9.0 13.6#
 80 7.1 10.0 15.0#

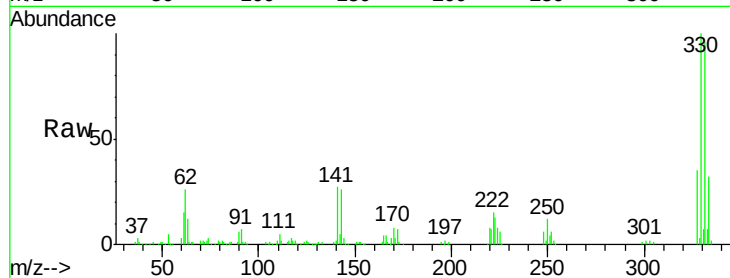




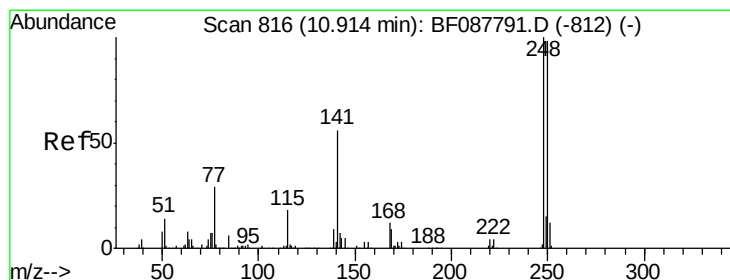
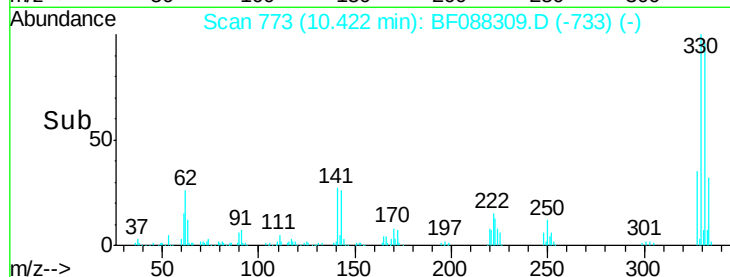
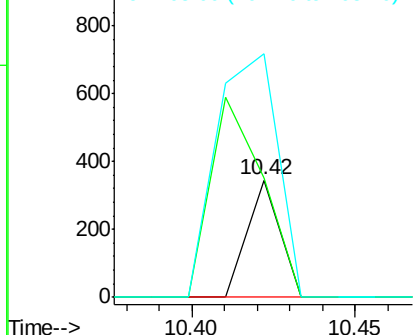
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.30 ng
 RT: 10.42 min Scan# 773
 Delta R.T. 0.16 min
 Lab File: BF088309.D
 Acq: 24 Jun 2016 1:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(3.5-4)

Tgt Ion:198 Resp: 237
 Ion Ratio Lower Upper
 198 100
 51 102.0 39.6 79.6#
 105 207.5 36.6 76.6#

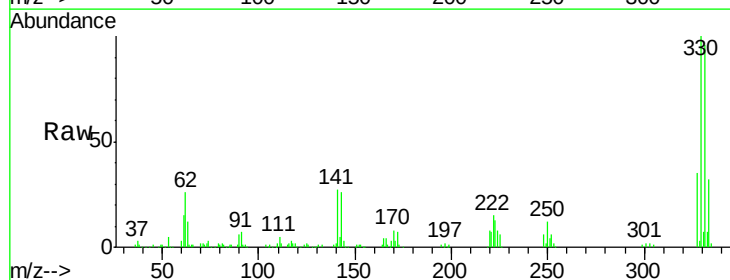


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

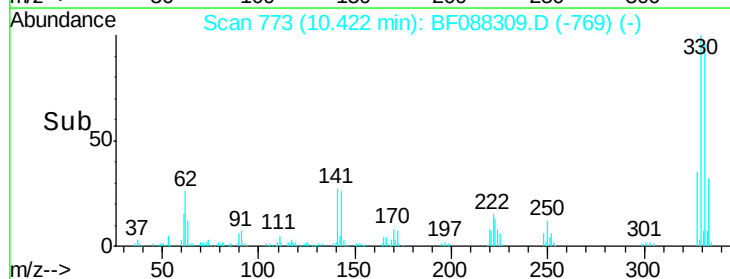
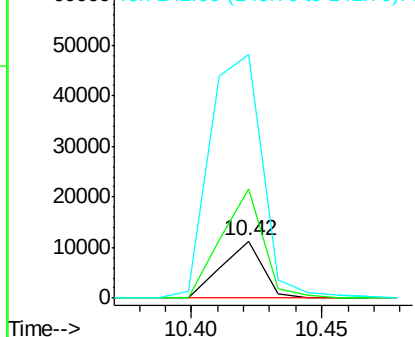


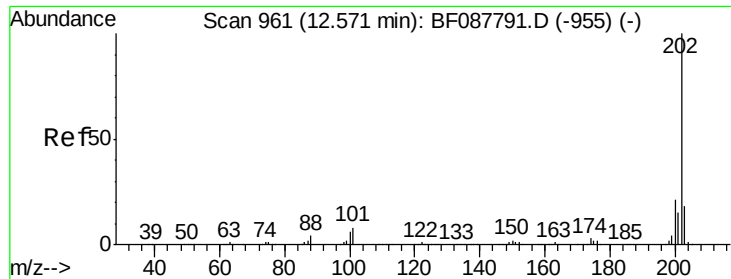
#66
 4-Bromophenyl-phenylether
 Concen: 4.42 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.25 min
 Lab File: BF088309.D
 Acq: 24 Jun 2016 1:05

Tgt Ion:248 Resp: 12403
 Ion Ratio Lower Upper
 248 100
 250 191.4 77.1 115.7#
 141 424.9 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

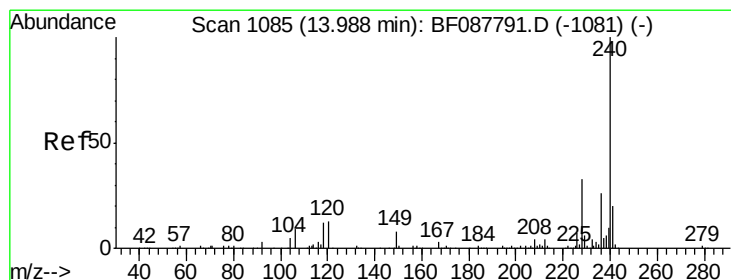
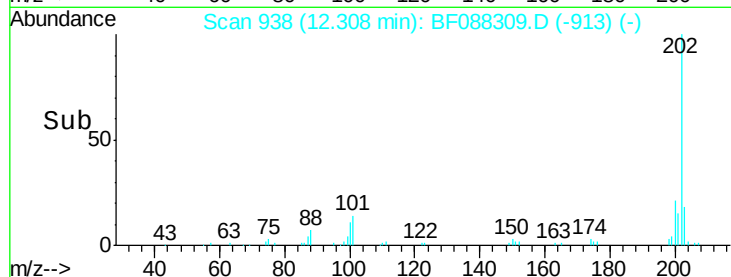
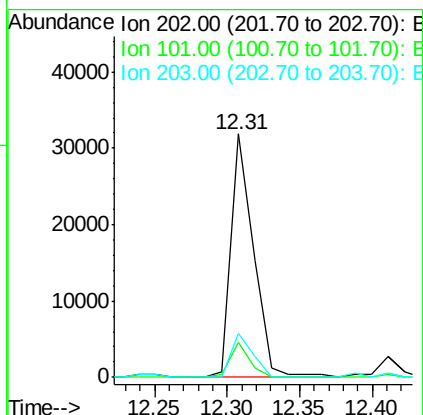
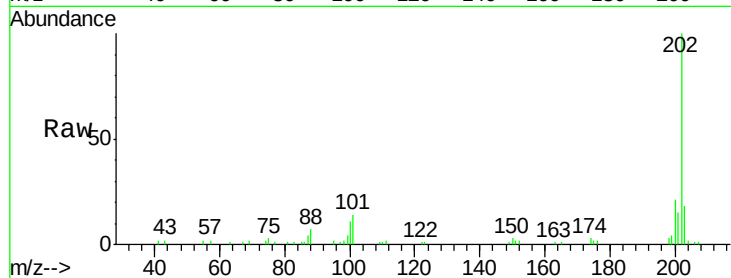




#74
Fluoranthene
Concen: 2.38 ng
RT: 12.31 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF088309.D
Acq: 24 Jun 2016 1:05

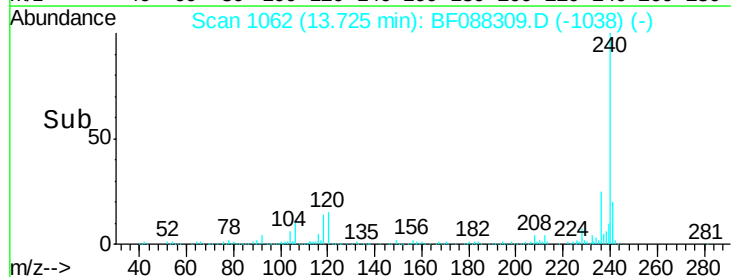
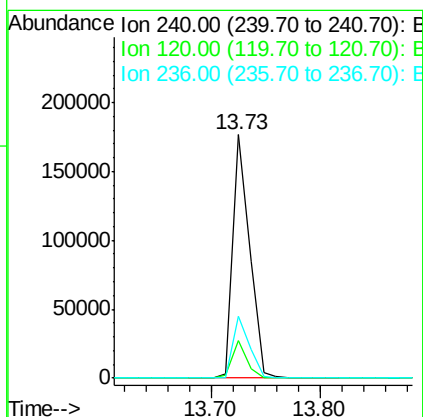
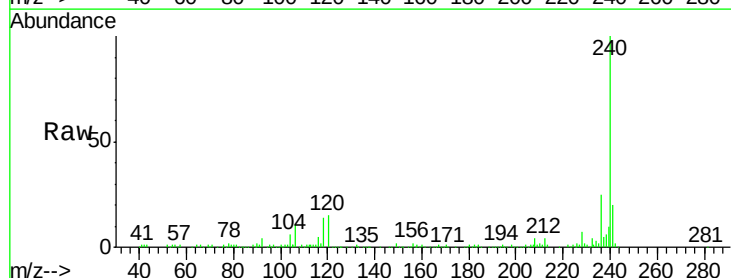
Instrument :
BNA_F
ClientSampleId :
SB-2(3.5-4)

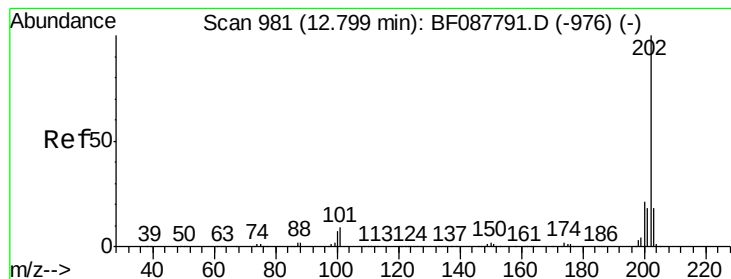
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	33.1
203	18.0	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF088309.D
Acq: 24 Jun 2016 1:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.3	6.8	10.2#
236	25.4	20.2	30.2





#77

Pyrene

Concen: 3.29 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-2(3.5-4)

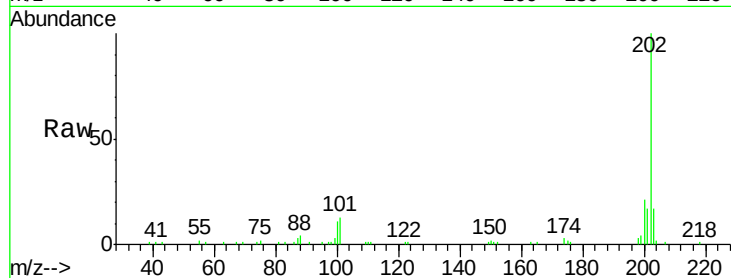
Tgt Ion: 202 Resp: 45271

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

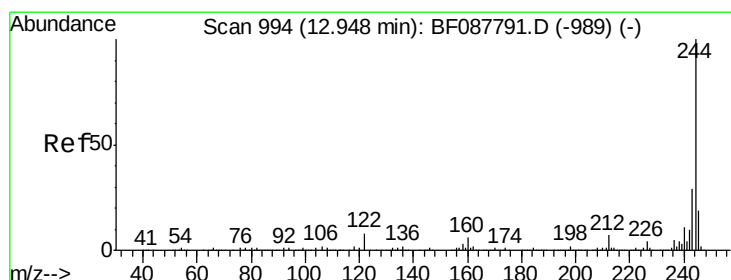
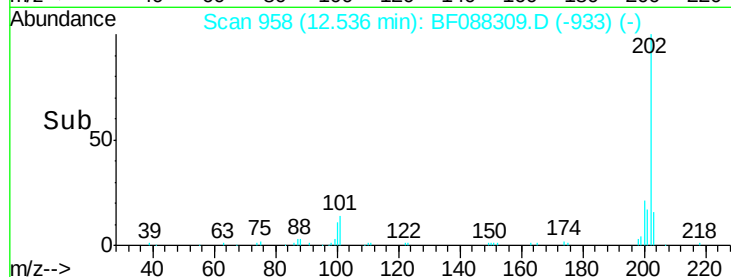
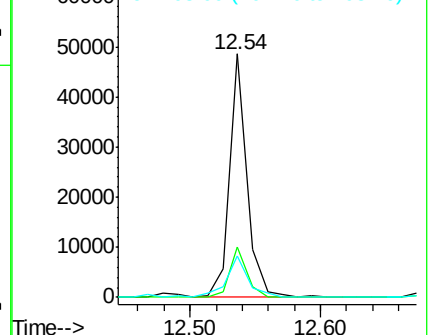
203 16.9 14.5 21.7



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: 65.91 ng

RT: 12.68 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

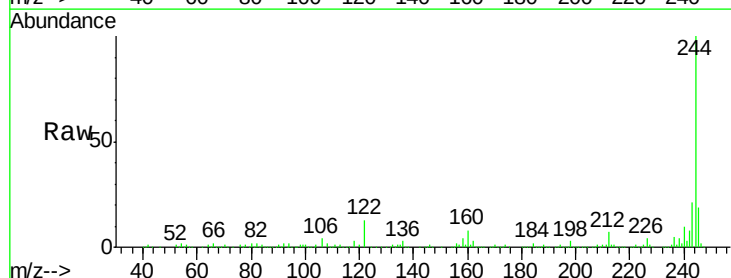
Tgt Ion: 244 Resp: 537103

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

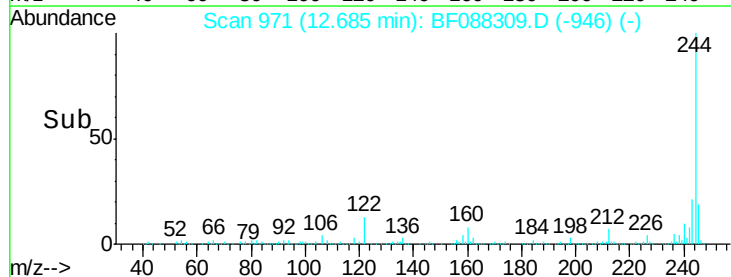
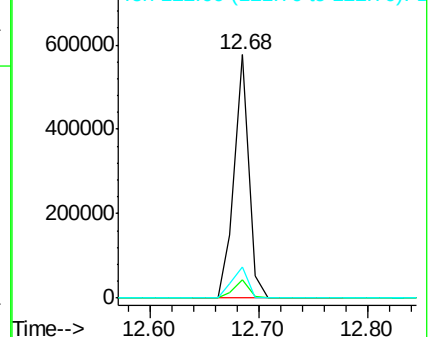
122 12.7 11.2 16.8

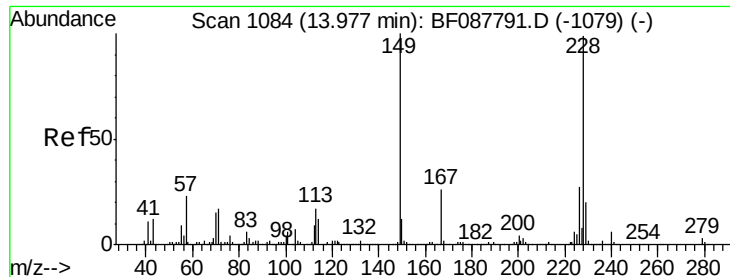


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.39 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.02 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

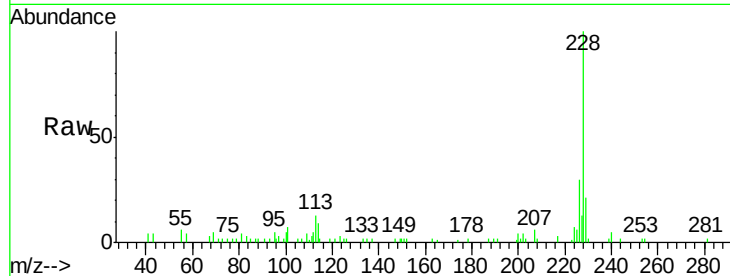
Instrument :

BNA_F

ClientSampleId :

SB-2(3.5-4)

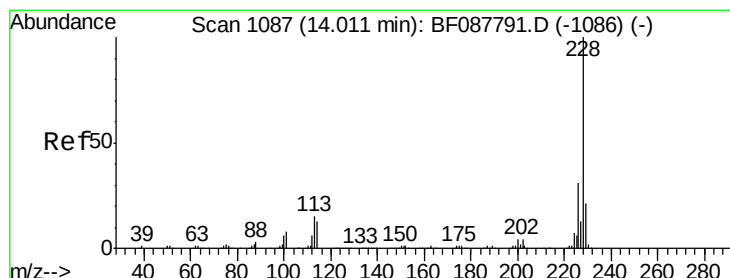
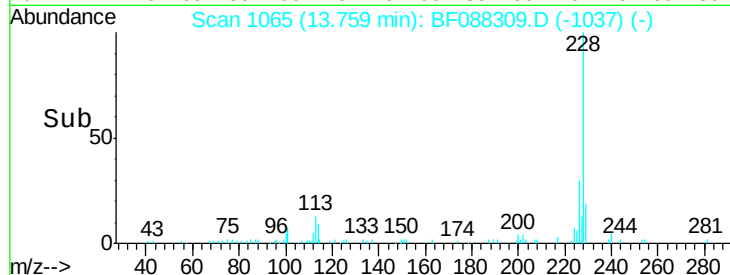
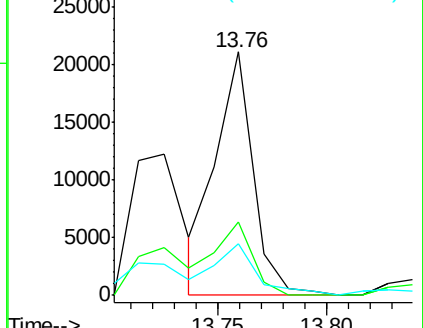
Tgt Ion:	228	Resp:	25227
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	21.0	16.0	24.0



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: 2.54 ng

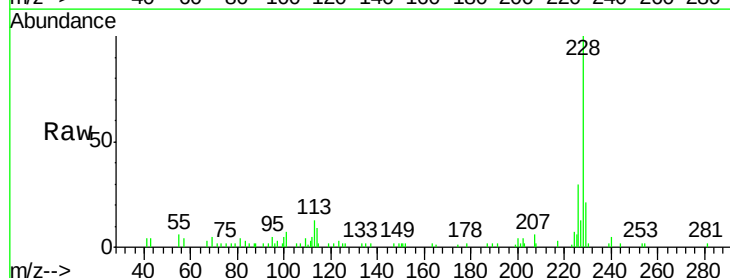
RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF088309.D

Acq: 24 Jun 2016 1:05

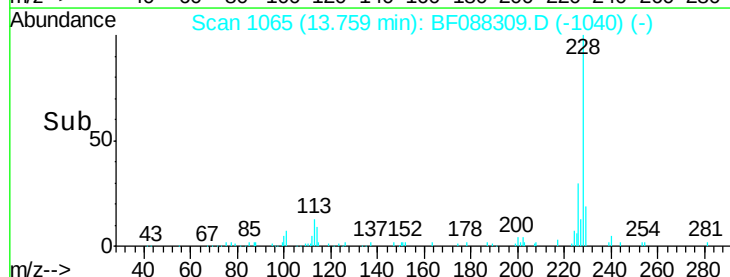
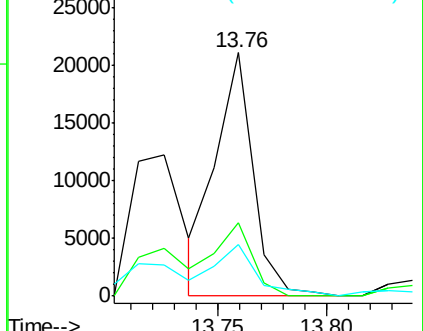
Tgt Ion:	228	Resp:	25227
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	21.0	16.3	24.5

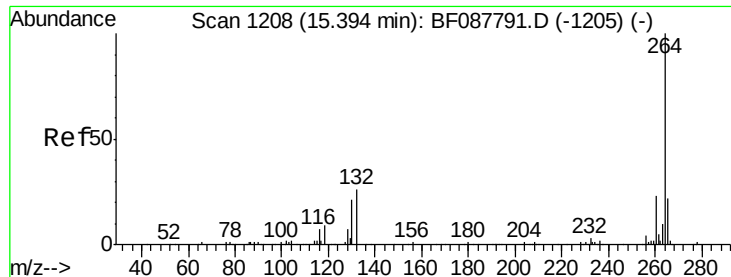


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

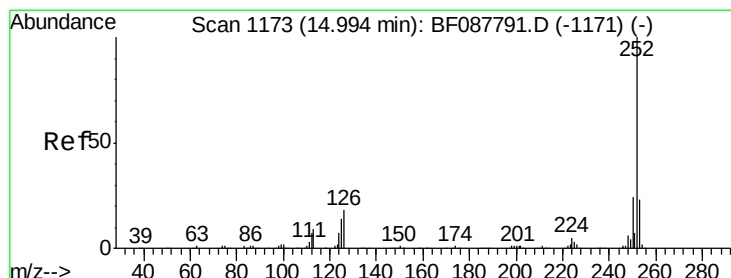
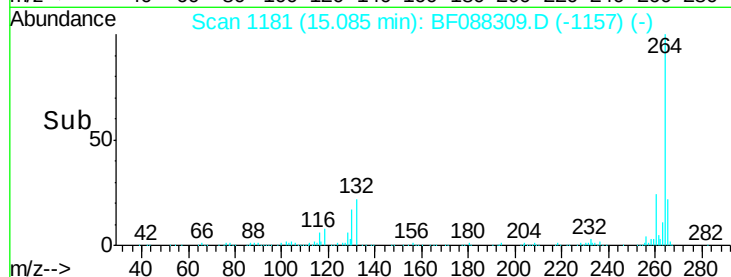
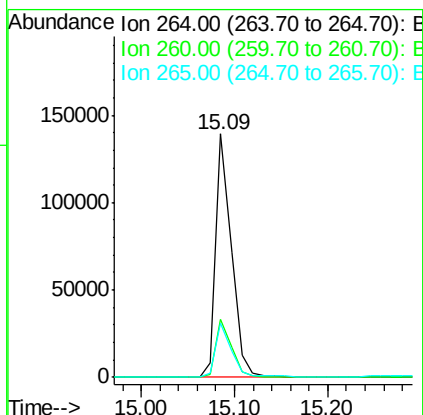
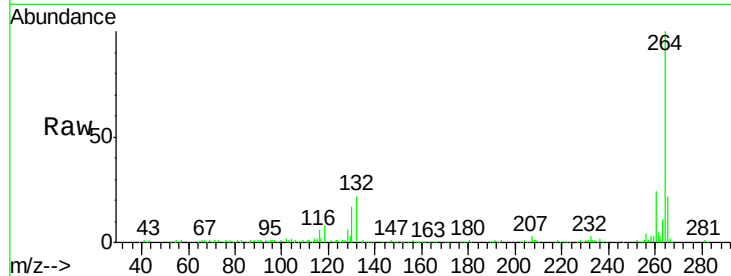




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF088309.D
 Acq: 24 Jun 2016 1:05

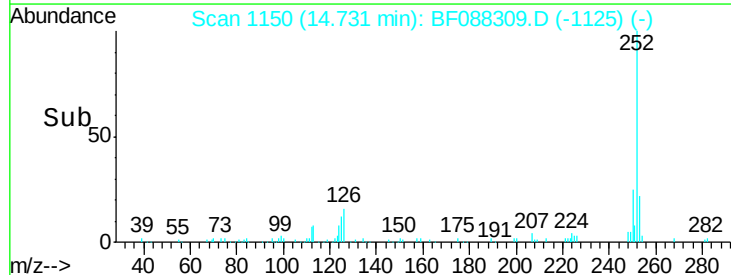
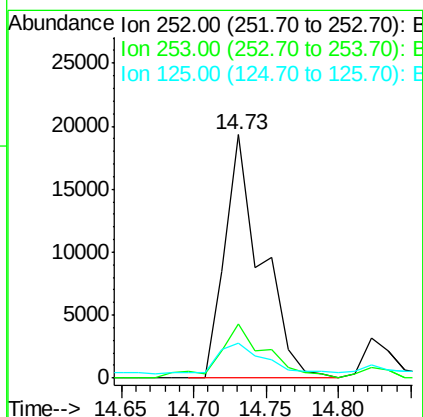
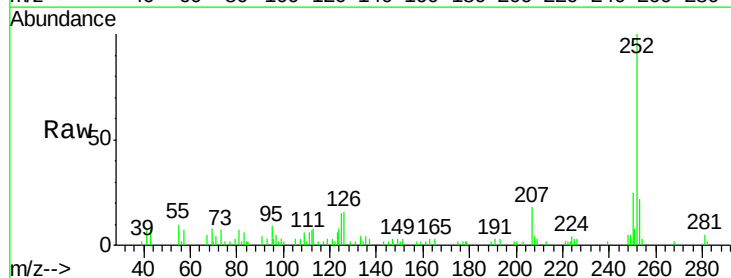
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(3.5-4)

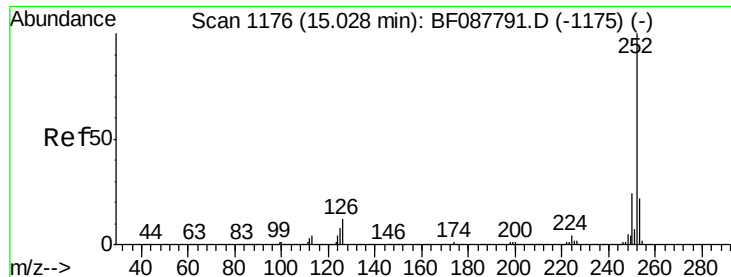
Tgt Ion: 264 Resp: 162905
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 22.3 16.9 25.3



#87
 Benzo(b)fluoranthene
 Concen: 2.98 ng
 RT: 14.73 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF088309.D
 Acq: 24 Jun 2016 1:05

Tgt Ion: 252 Resp: 33814
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.4 26.2
 125 14.5 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 3.95 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.03 min

Lab File: BF088309.D

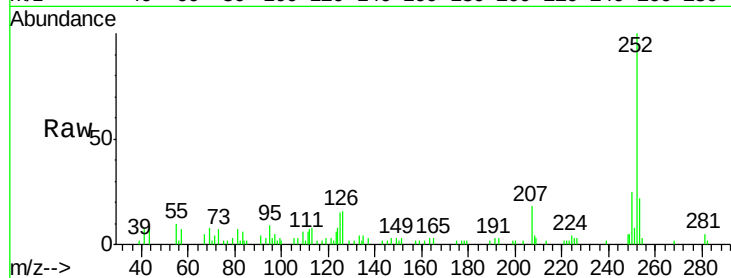
Acq: 24 Jun 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-2(3.5-4)



Tgt Ion: 252 Resp: 33814

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

125 14.5 11.2 16.8

