

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088307.D
 Acq On : 24 Jun 2016 00:07
 Operator : UM/SJ
 Sample : H3682-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Quant Time: Jun 24 01:39:10 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	225340	20.00	ng	0.15
21) Naphthalene-d8	7.88	136	309860	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	142096	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	249784	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	167902	20.00	ng	-0.02
86) Perylene-d12	15.10	264	153958	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	465051	35.28	ng	0.01
7) Phenol-d6	6.27	99	619473	38.78	ng	0.01
23) Nitrobenzene-d5	7.16	82	333868	62.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	140734	93.80	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	651279	71.10	ng	-0.01
78) Terphenyl-d14	12.69	244	497171	67.38	ng	-0.01

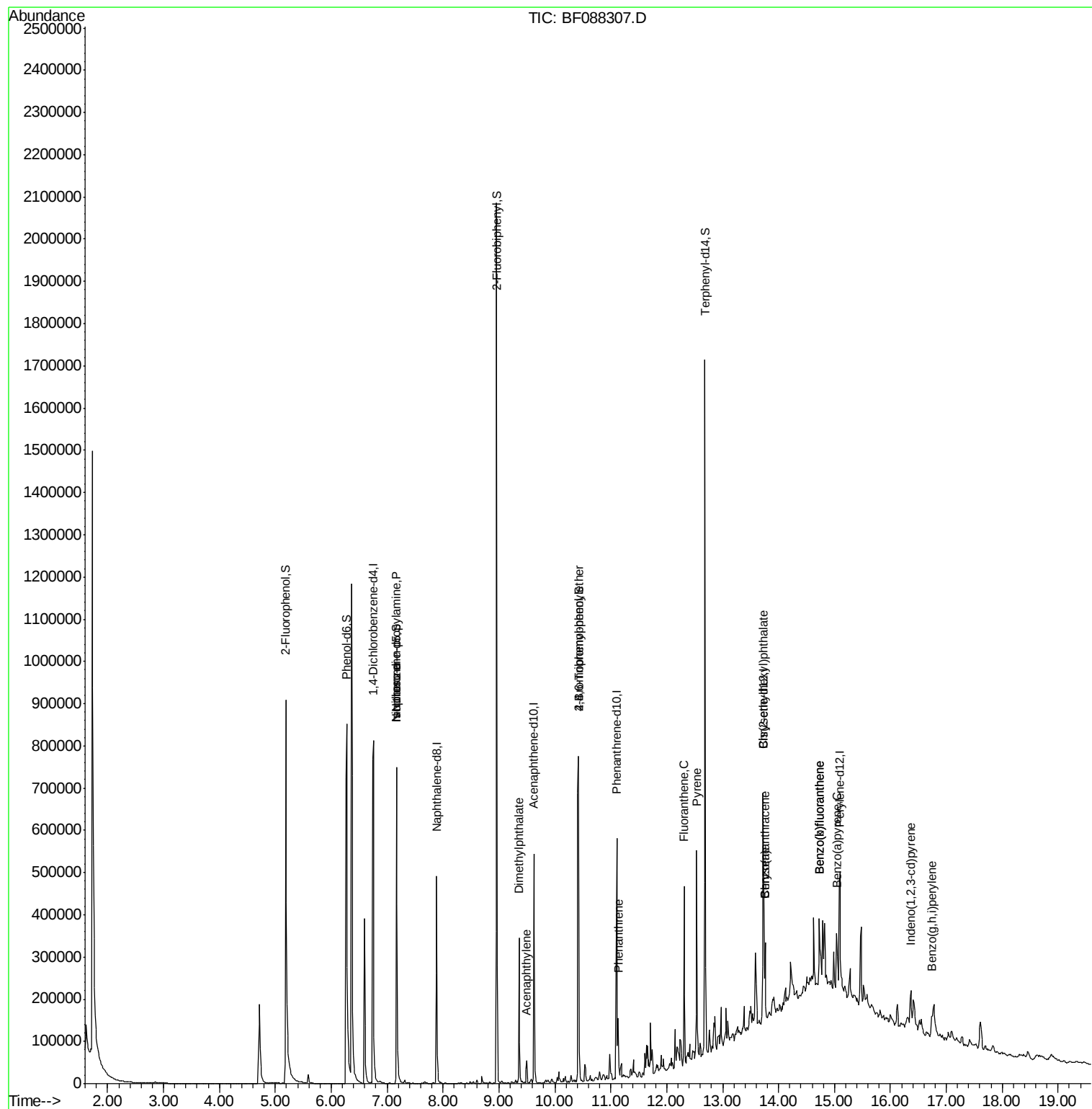
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	820	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	42564	4.17	ng	72
25) Isophorone	7.16	82	331227	33.70	ng	65
45) 1,1'-Biphenyl	9.06	154	543	Below Cal	#	43
48) Acenaphthylene	9.50	152	33583	2.30	ng	98
49) Dimethylphthalate	9.36	163	148699	14.45	ng	99
57) Fluorene	10.18	166	7585	Below Cal	#	82
66) 4-Bromophenyl-phenylether	10.42	248	9329	3.48	ng	1
70) Phenanthrene	11.13	178	63064	4.81	ng	97
74) Fluoranthene	12.31	202	133189	9.63	ng	98
77) Pyrene	12.54	202	198001	15.89	ng	98
80) Benzo(a)anthracene	13.76	228	71979	7.52	ng	96
82) Chrysene	13.76	228	72049	8.00	ng	98
83) Bis(2-ethylhexyl)phthalate	13.73	149	19863	2.96	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.37	276	35321	4.22	ng	# 100
87) Benzo(b)fluoranthene	14.73	252	100622	9.38	ng	# 94
88) Benzo(k)fluoranthene	14.73	252	100622	12.43	ng	99
89) Benzo(a)pyrene	15.04	252	61510	7.08	ng	# 95
91) Benzo(g,h,i)perylene	16.74	276	38000	4.58	ng	97

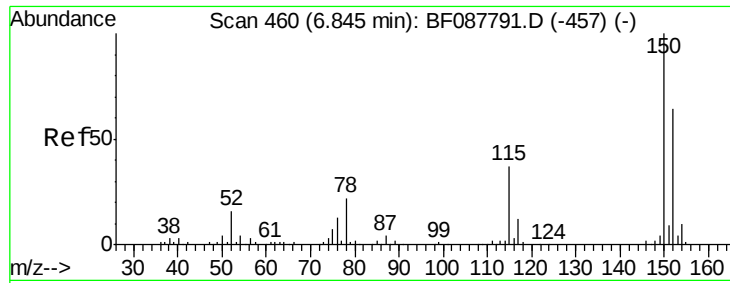
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.15 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

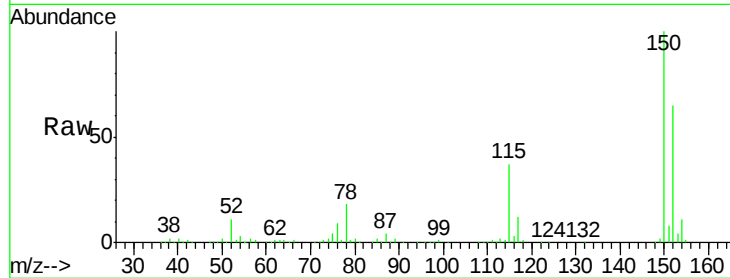
Tgt Ion:152 Resp: 225340

Ion Ratio Lower Upper

152 100

150 152.8 123.8 185.6

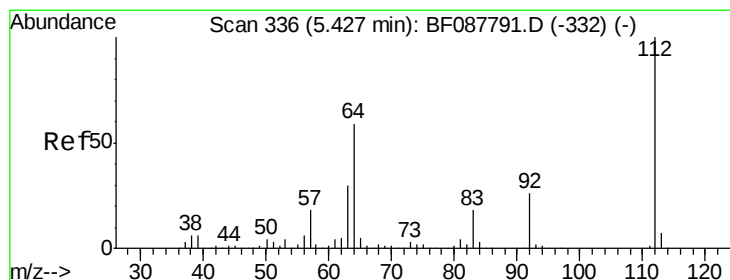
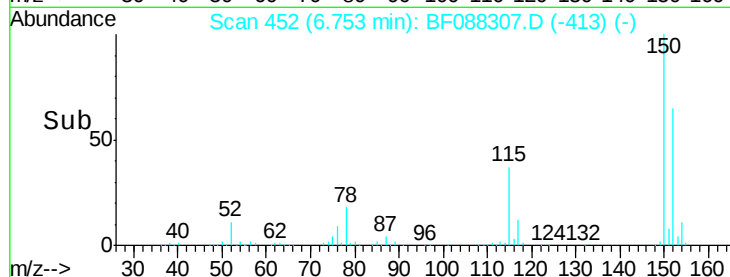
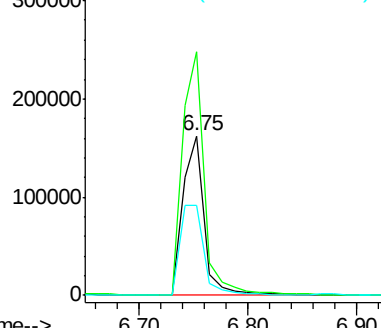
115 56.6 39.6 59.4



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: 35.28 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

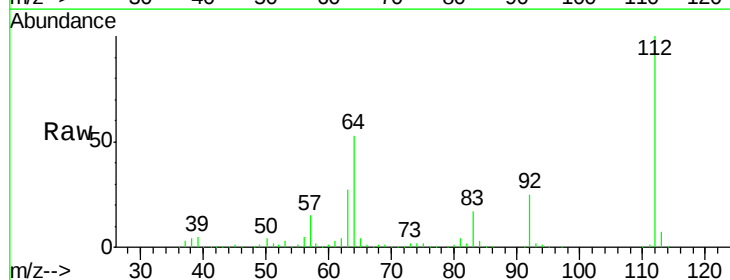
Tgt Ion:112 Resp: 465051

Ion Ratio Lower Upper

112 100

64 52.7 42.2 63.2

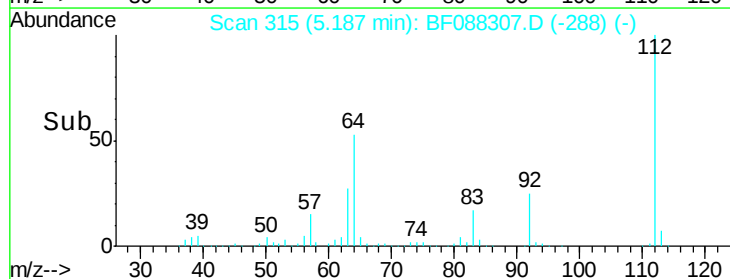
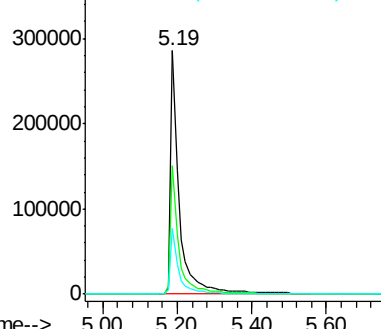
63 26.8 21.8 32.8



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: 38.78 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

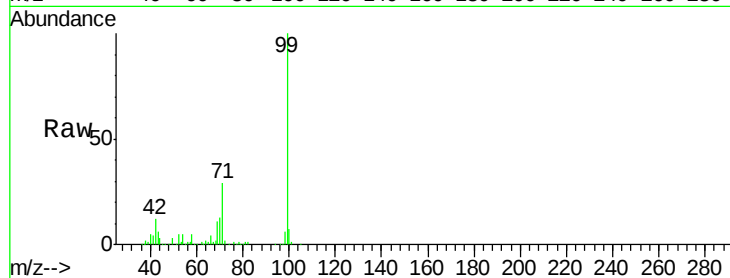
Tgt Ion: 99 Resp: 619473

Ion Ratio Lower Upper

99 100

42 12.5 12.2 18.2

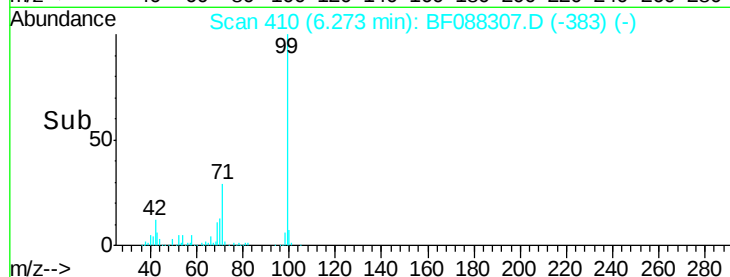
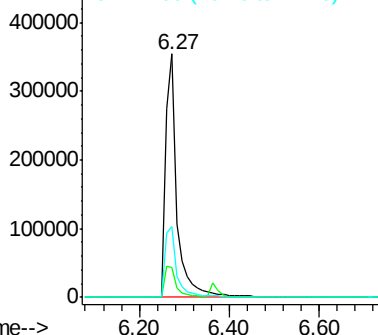
71 29.3 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.36 min Scan# 418

Delta R.T. 0.09 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

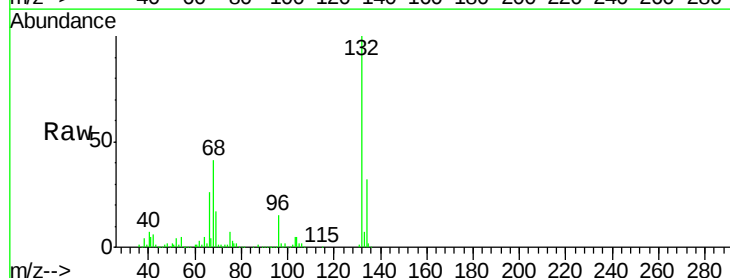
Tgt Ion: 94 Resp: 820

Ion Ratio Lower Upper

94 100

65 916.1 5.9 45.9#

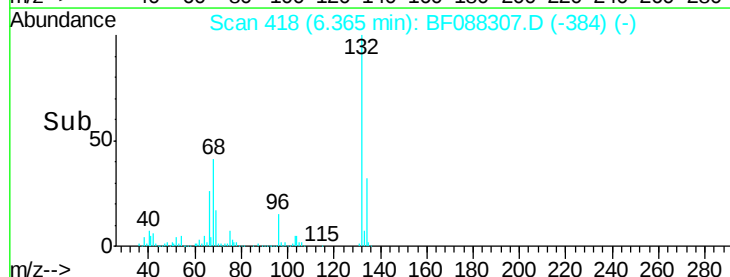
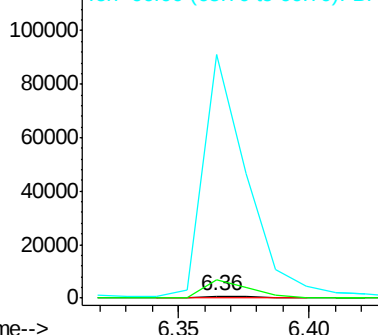
66 11812.2 14.0 54.0#



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

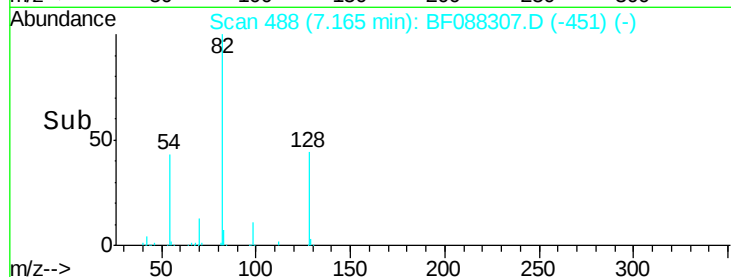
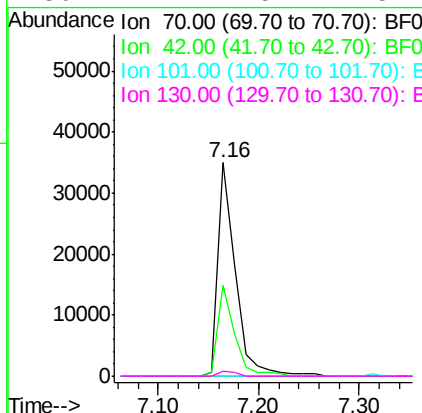
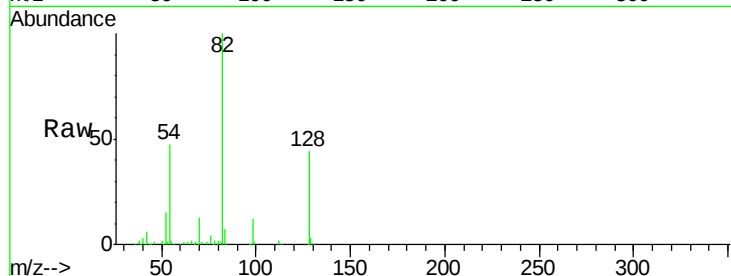




#19
n-Nitroso-di-n-propylamine
Concen: 4.17 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

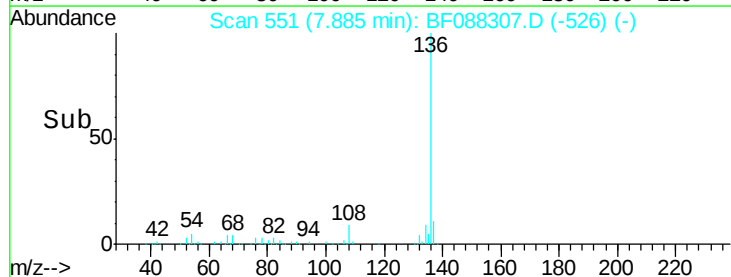
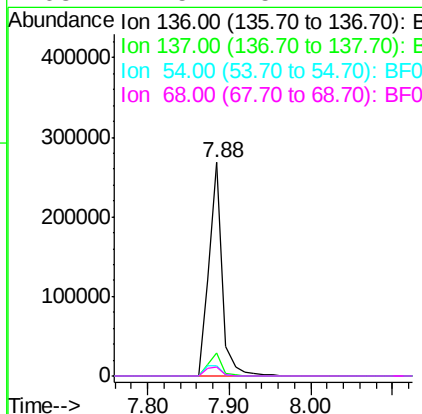
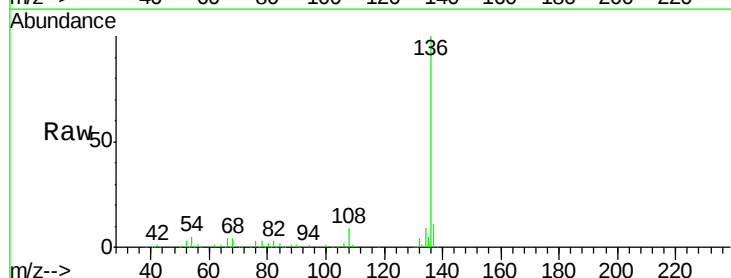
Instrument :
BNA_F
ClientSampled :
SB-1(0-6)

Tgt Ion: 70 Resp: 42564
Ion Ratio Lower Upper
70 100
42 42.8 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: BF088307.D
Acq: 24 Jun 2016 00:07

Tgt Ion: 136 Resp: 309860
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 5.1 6.6 10.0#
68 4.5 5.1 7.7#

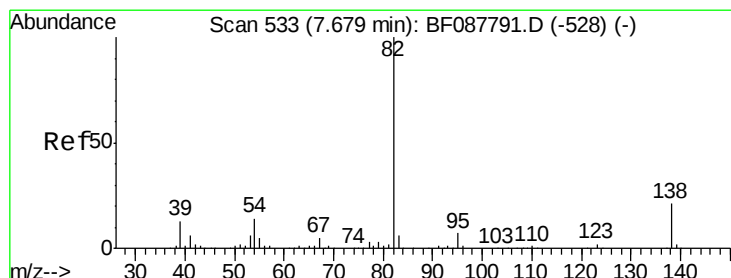
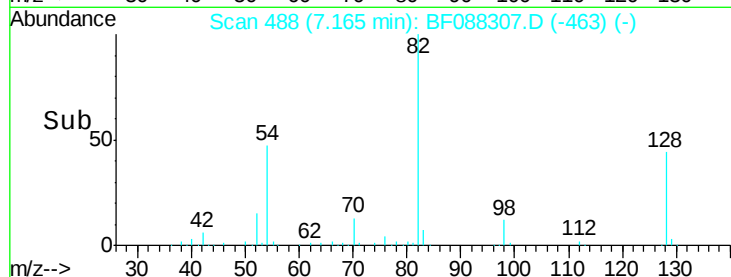
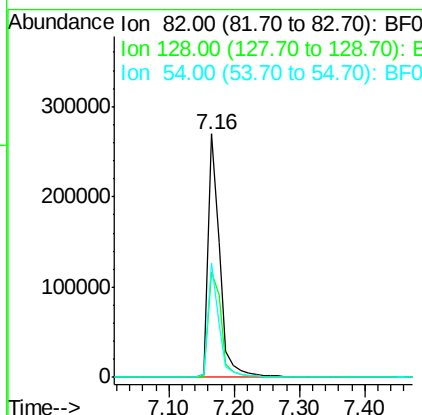
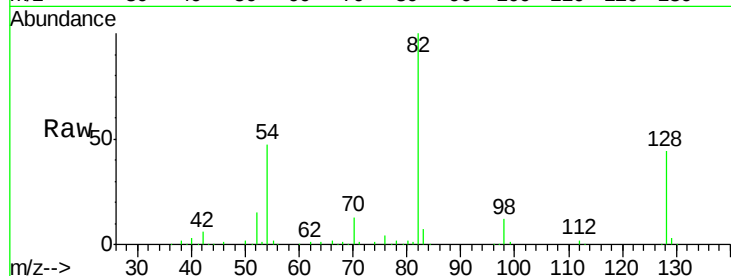




#23
 Nitrobenzene-d5
 Concen: 62.92 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

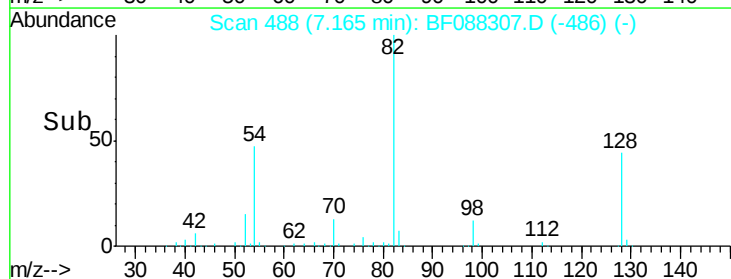
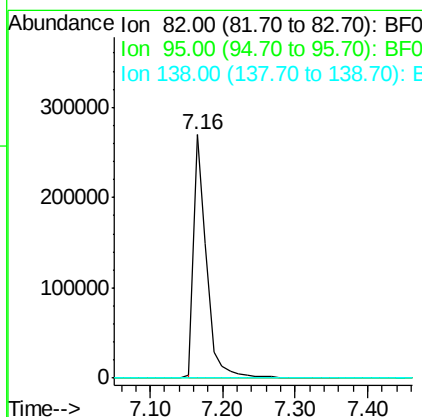
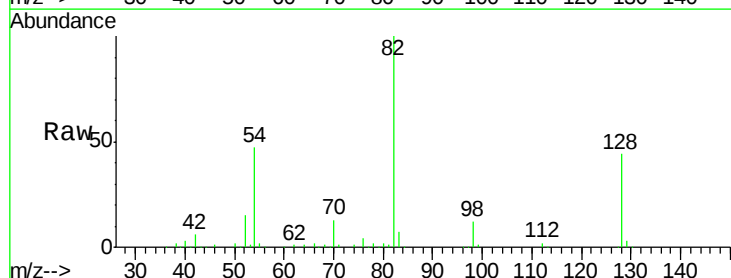
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

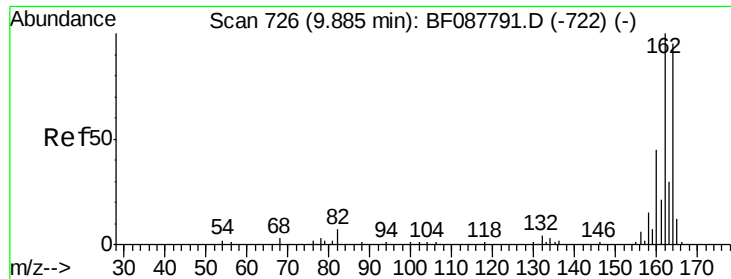
Tgt Ion: 82 Resp: 333868
 Ion Ratio Lower Upper
 82 100
 128 43.5 35.9 53.9
 54 47.2 40.9 61.3



#25
 Isophorone
 Concen: 33.70 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.27 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Tgt Ion: 82 Resp: 331227
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

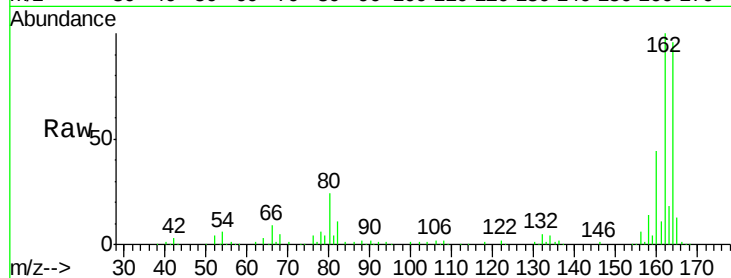
Tgt Ion:164 Resp: 142096

Ion Ratio Lower Upper

164 100

162 103.8 85.4 128.2

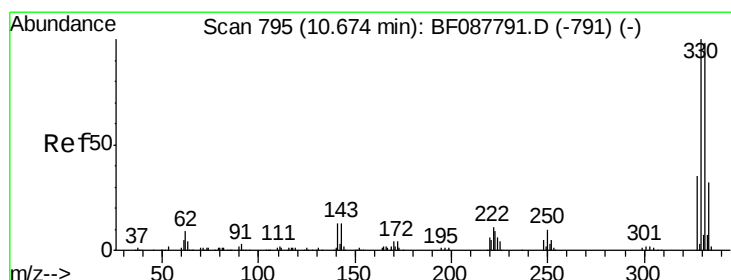
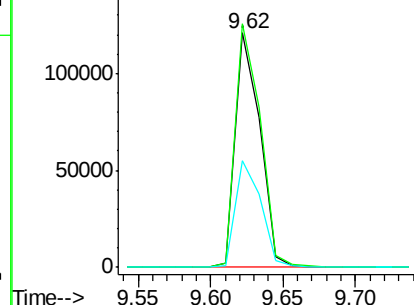
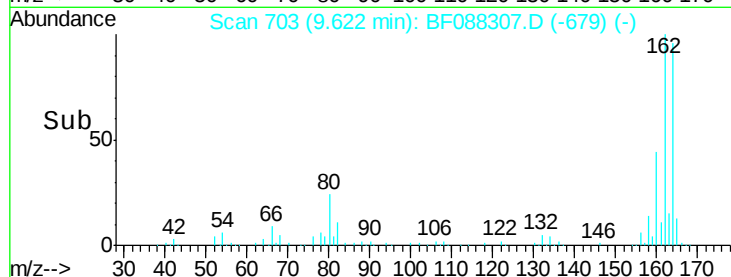
160 45.7 39.5 59.3



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: 93.80 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

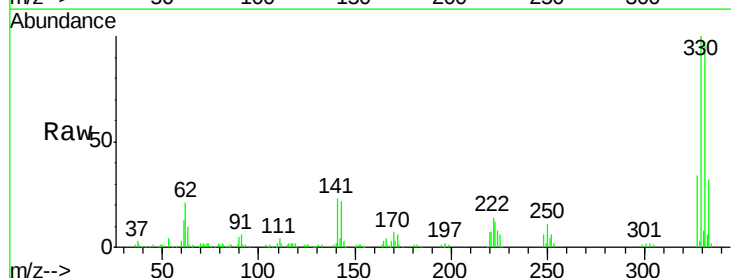
Tgt Ion:330 Resp: 140734

Ion Ratio Lower Upper

330 100

332 96.0 0.0 0.0#

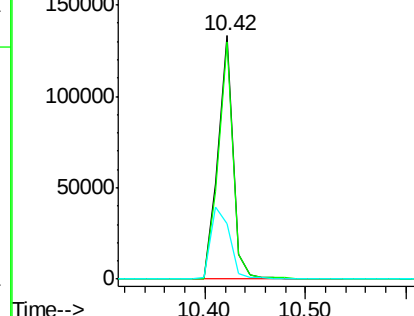
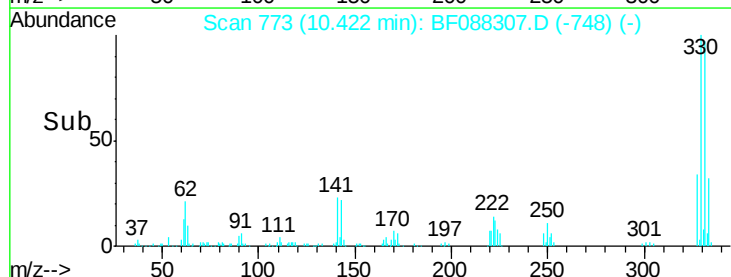
141 37.2 0.0 0.0#

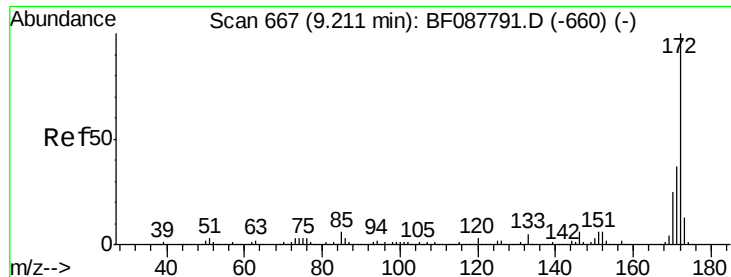


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

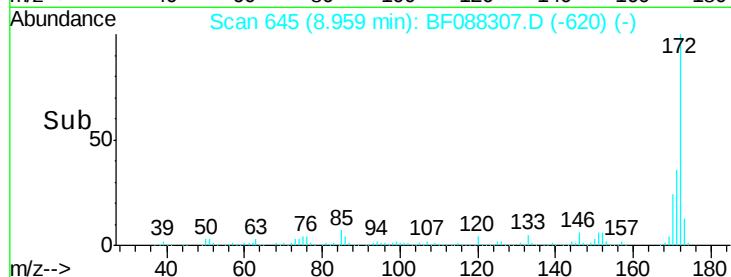
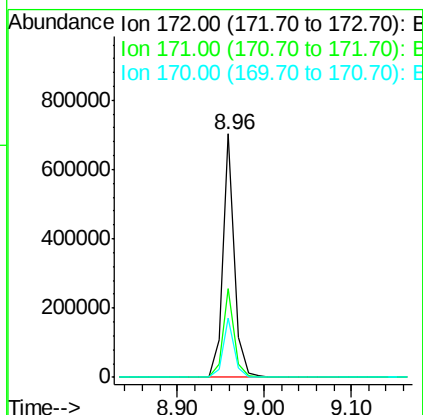
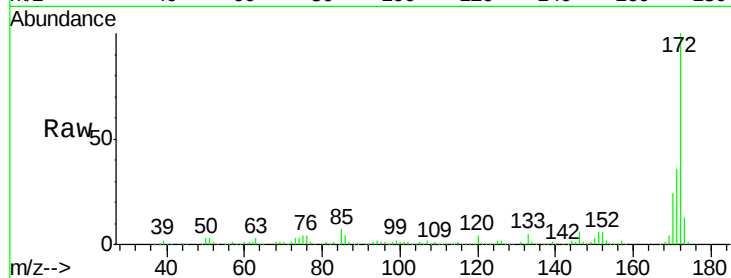




#44
 2-Fluorobiphenyl
 Concen: 71.10 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

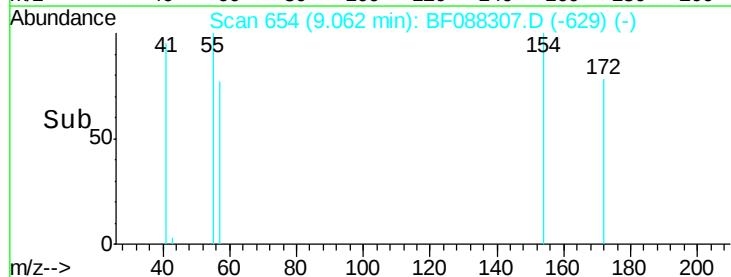
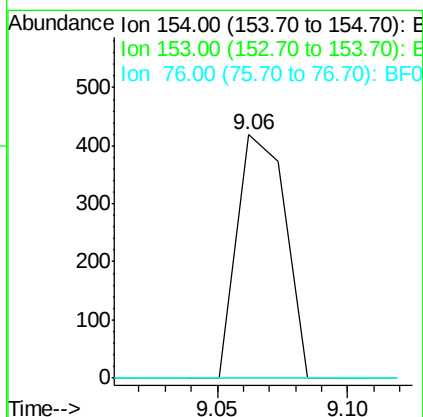
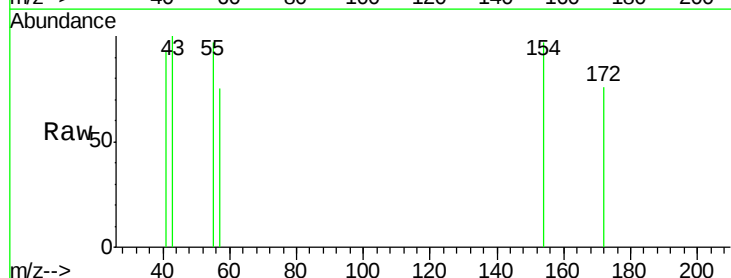
Instrument :
 BNA_F
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 SB-1(0-6)

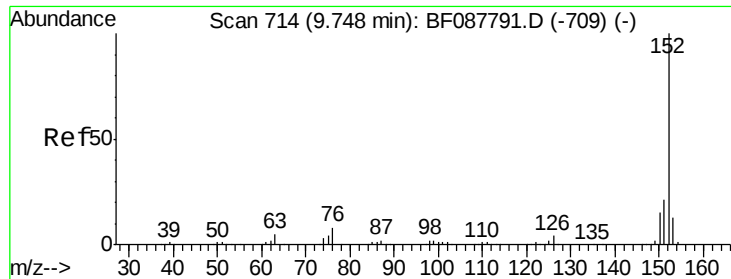
Tgt Ion:172 Resp: 651279
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 24.4 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Tgt Ion:154 Resp: 543
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.6 60.6#
 76 0.0 0.0 35.1





#48

Acenaphthylene

Concen: 2.30 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

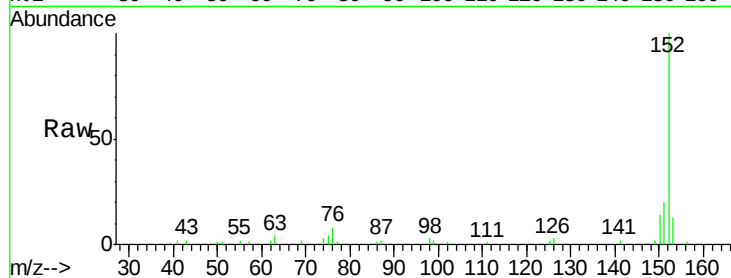
Tgt Ion:152 Resp: 33583

Ion Ratio Lower Upper

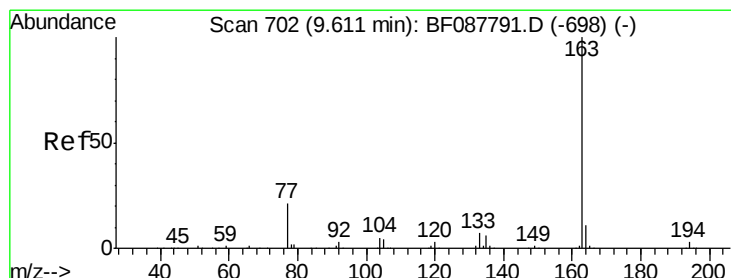
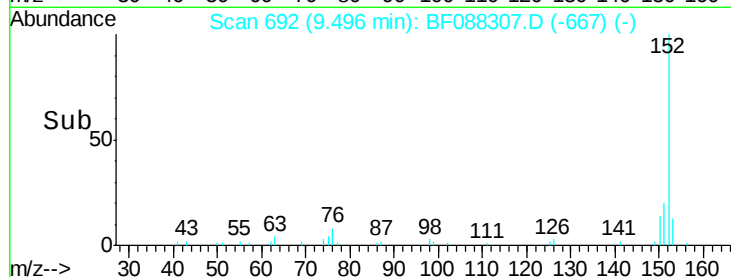
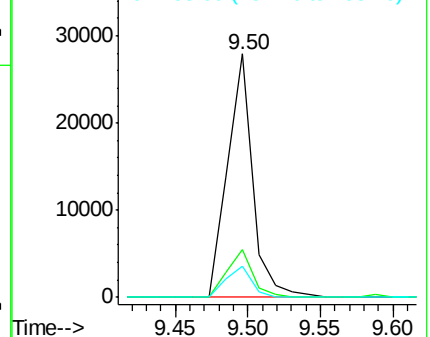
152 100

151 19.7 16.2 24.4

153 12.8 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 14.45 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

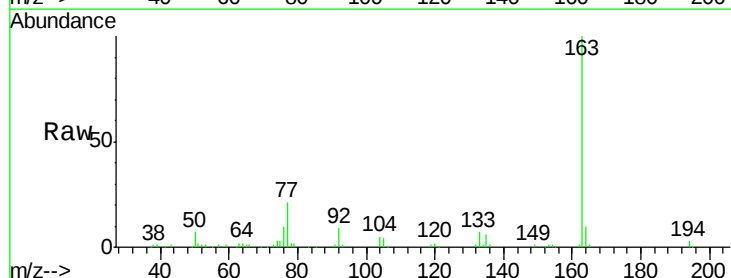
Tgt Ion:163 Resp: 148699

Ion Ratio Lower Upper

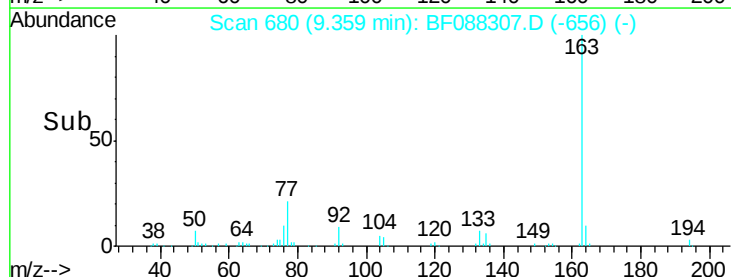
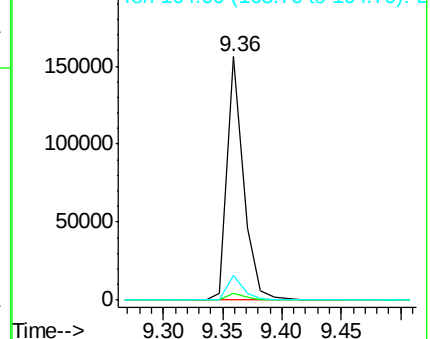
163 100

194 3.1 2.8 4.2

164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

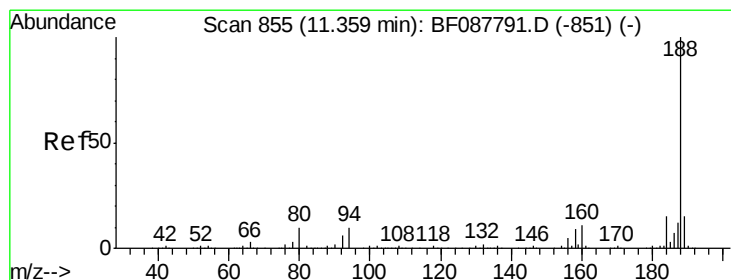
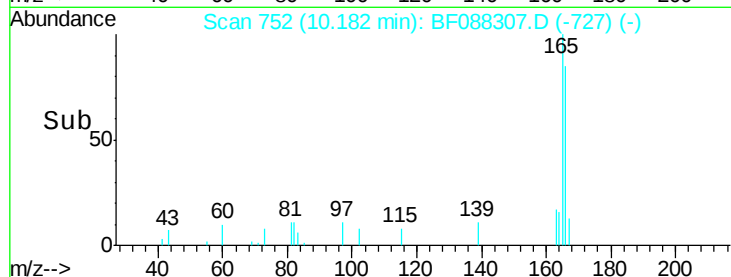
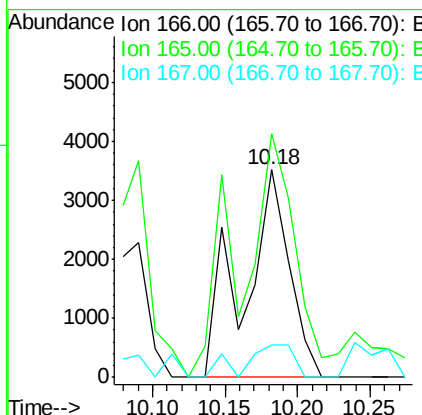
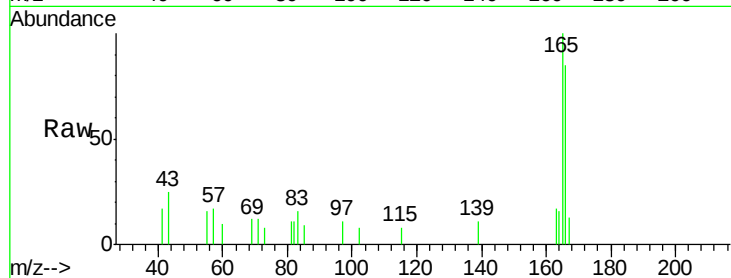




#57
Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

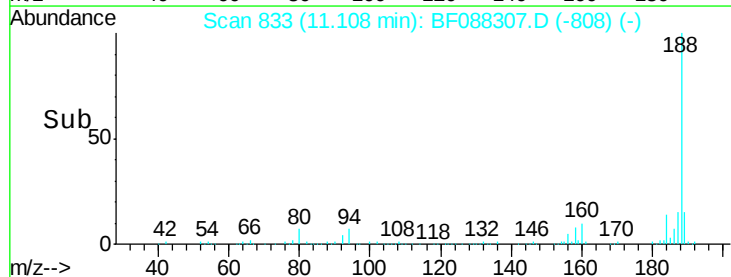
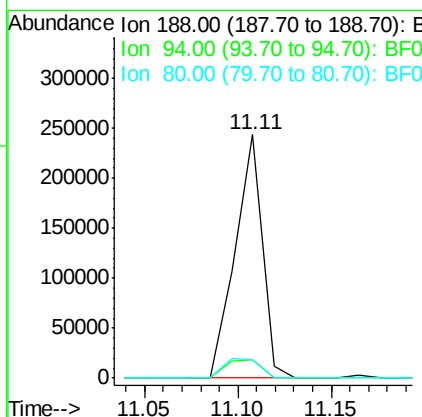
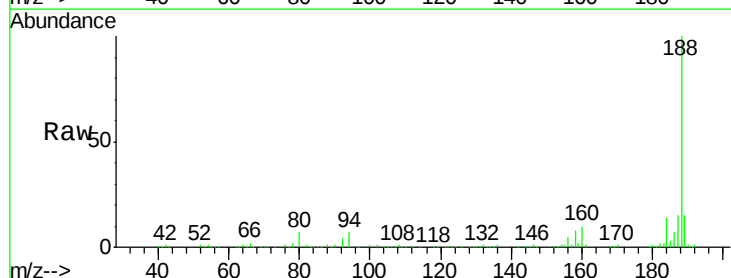
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Tgt Ion:166 Resp: 7585
 Ion Ratio Lower Upper
 166 100
 165 117.4 77.8 116.8#
 167 15.6 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: BF088307.D
 Acq: 24 Jun 2016 00:07

Tgt Ion:188 Resp: 249784
 Ion Ratio Lower Upper
 188 100
 94 7.4 9.0 13.6#
 80 7.4 10.0 15.0#

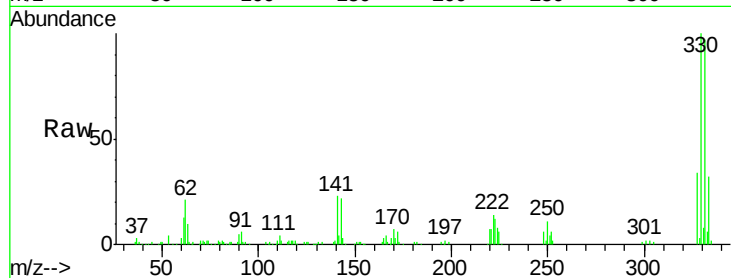




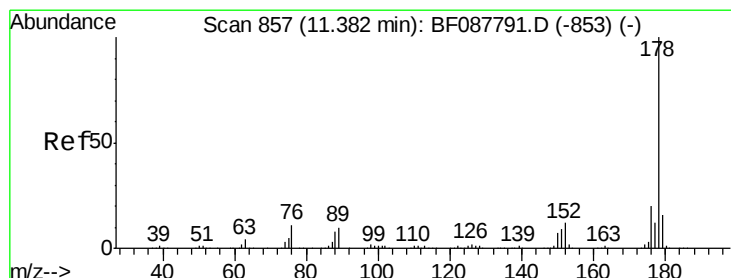
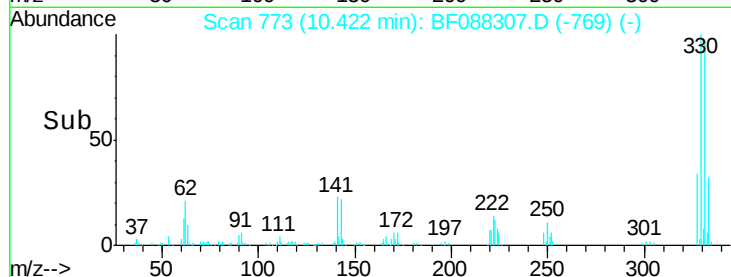
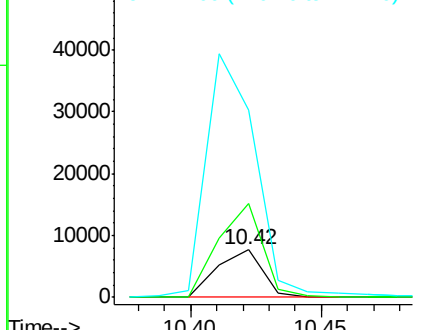
#66
 4-Bromophenyl-phenylether
 Concen: 3.48 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.25 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Tgt Ion:248 Resp: 9329
 Ion Ratio Lower Upper
 248 100
 250 197.7 77.1 115.7#
 141 395.9 50.6 76.0#

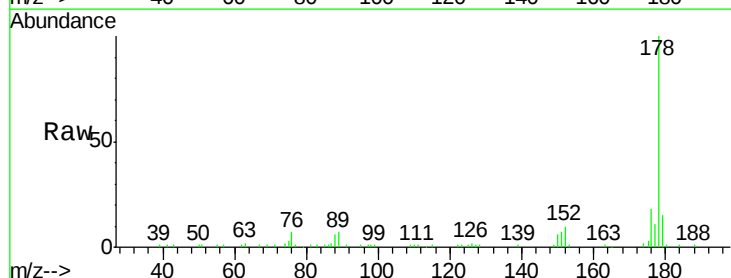


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

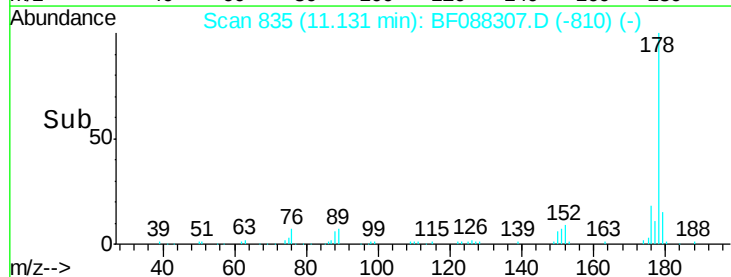
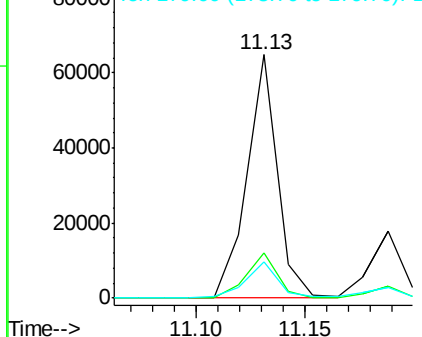


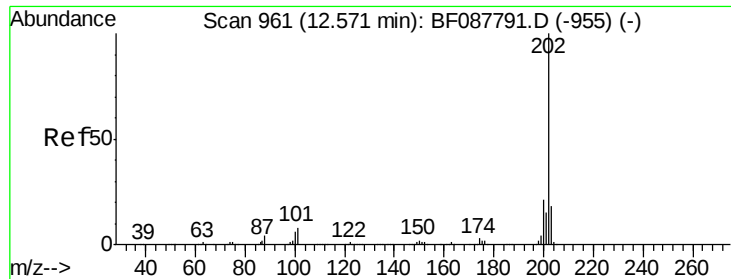
#70
 Phenanthrene
 Concen: 4.81 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Tgt Ion:178 Resp: 63064
 Ion Ratio Lower Upper
 178 100
 176 18.4 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: 9.63 ng

RT: 12.31 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

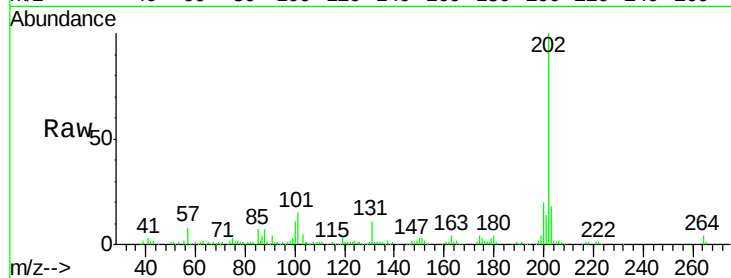
Tgt Ion:202 Resp: 133189

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.1

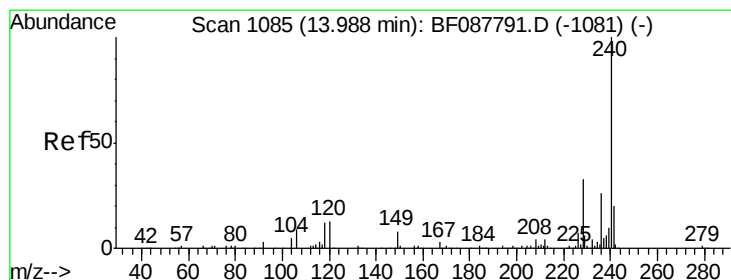
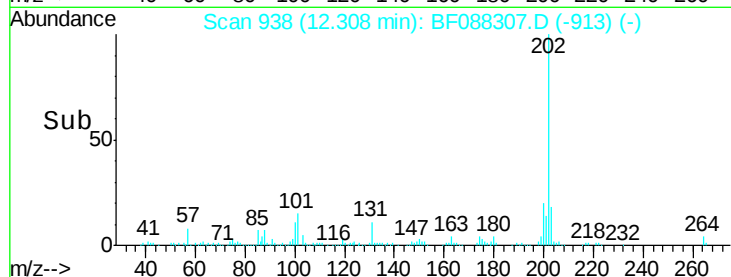
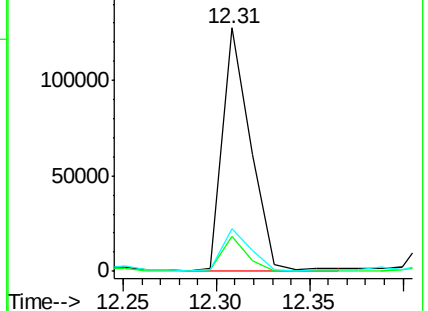
203 17.6 0.0 38.1



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: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

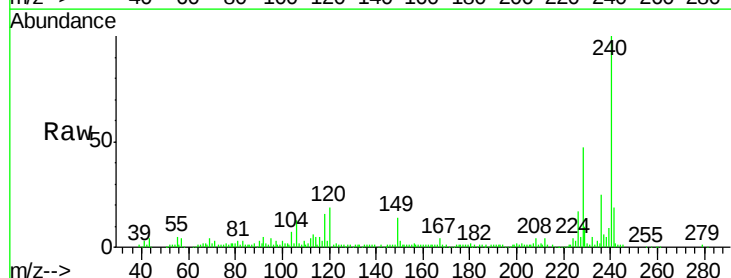
Tgt Ion:240 Resp: 167902

Ion Ratio Lower Upper

240 100

120 18.6 6.8 10.2#

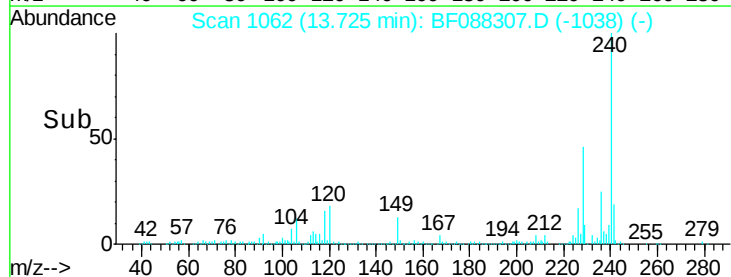
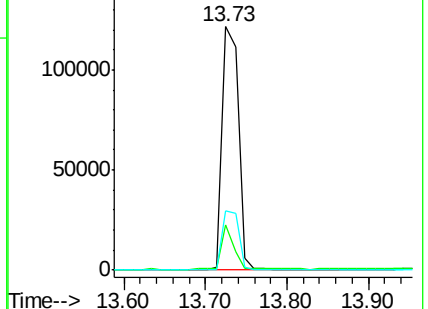
236 24.5 20.2 30.2

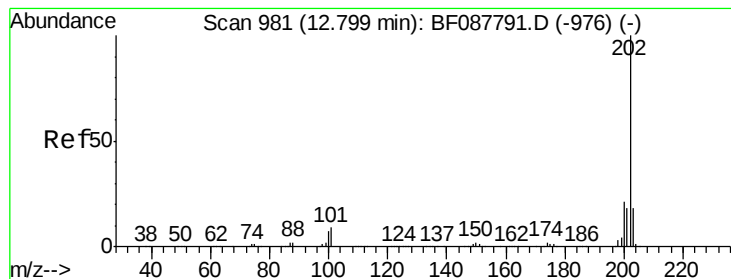


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 15.89 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

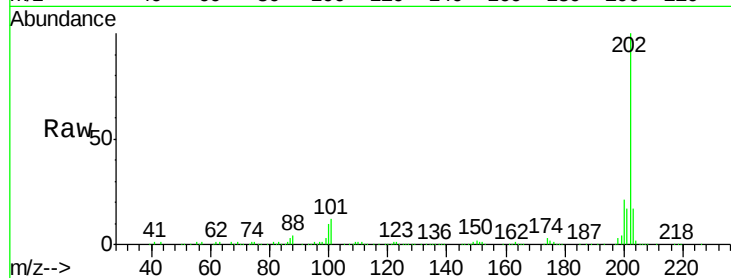
Tgt Ion: 202 Resp: 198001

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

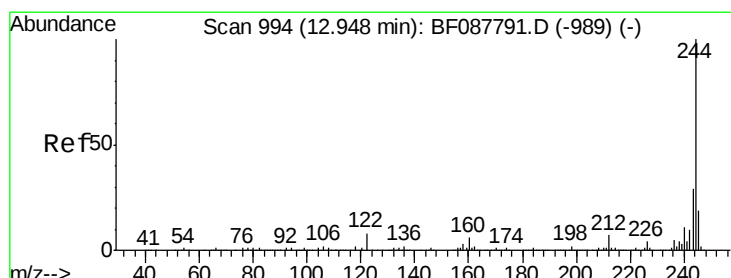
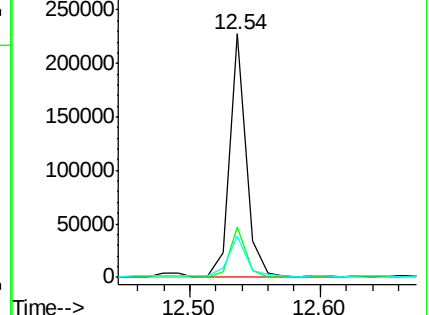
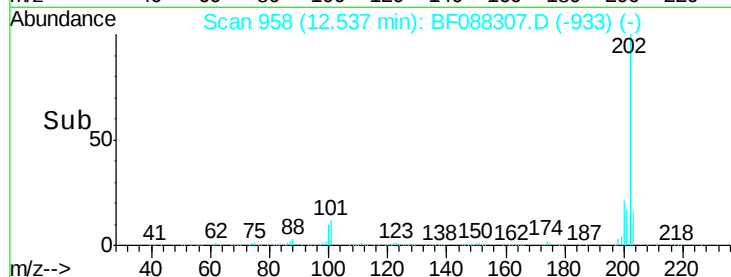
203 17.1 14.5 21.7



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: 67.38 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

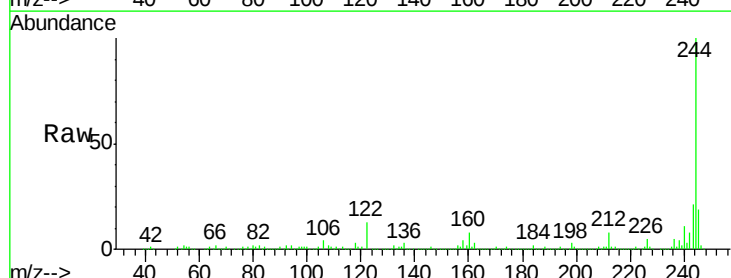
Tgt Ion: 244 Resp: 497171

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

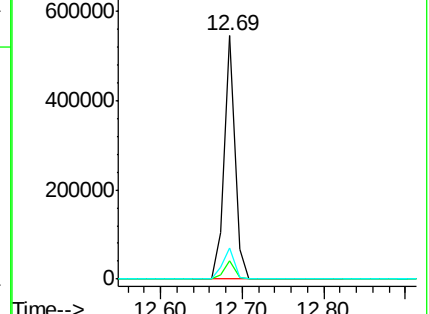
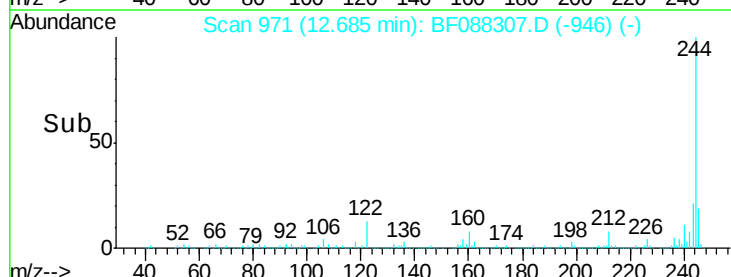
122 13.0 11.2 16.8

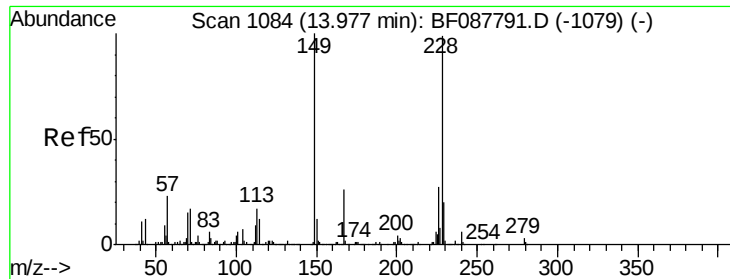


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.52 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.02 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

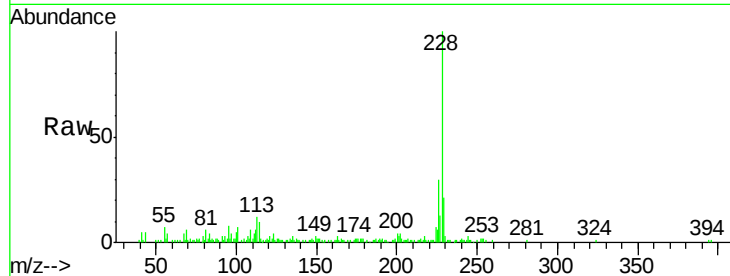
Tgt Ion:228 Resp: 71979

Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

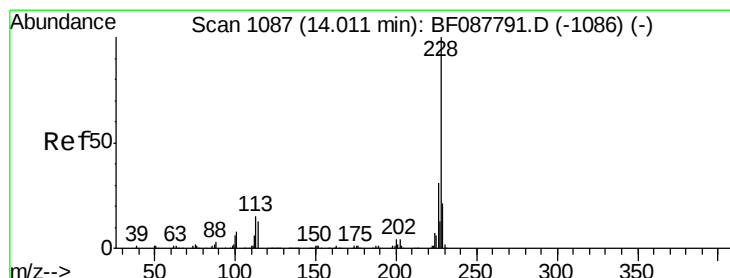
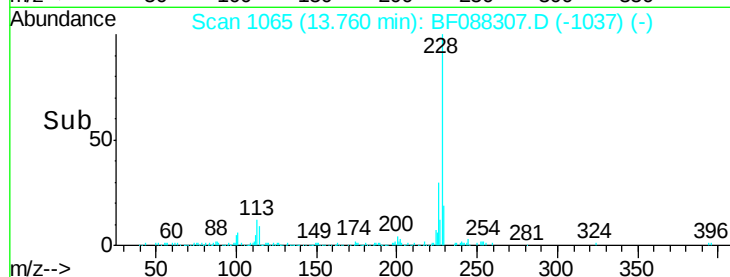
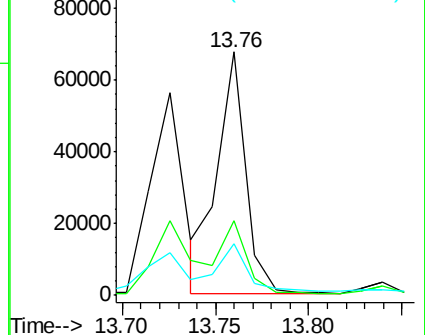
229 21.4 16.0 24.0



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: 8.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

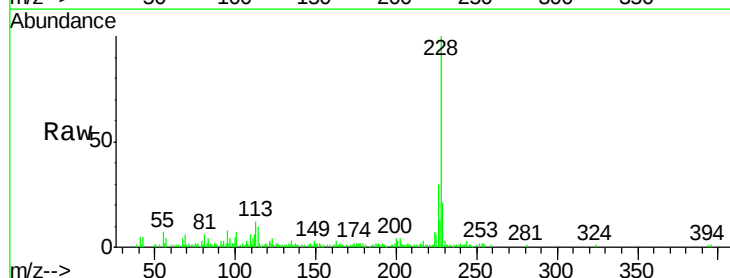
Tgt Ion:228 Resp: 72049

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.2

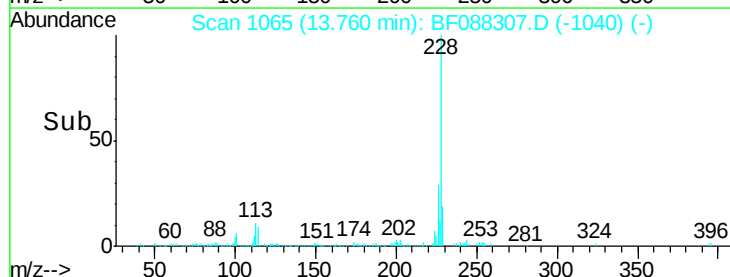
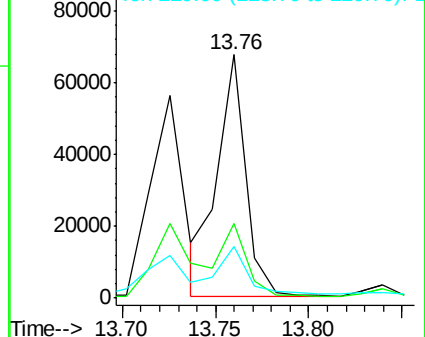
229 21.4 16.3 24.5

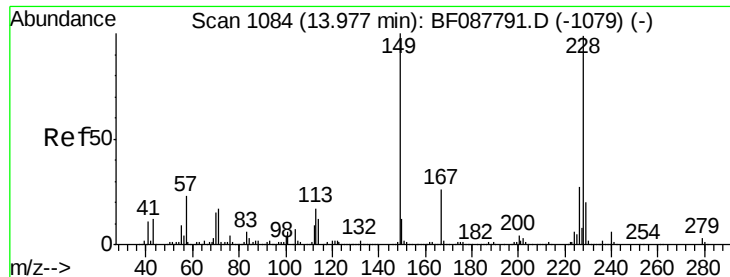


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

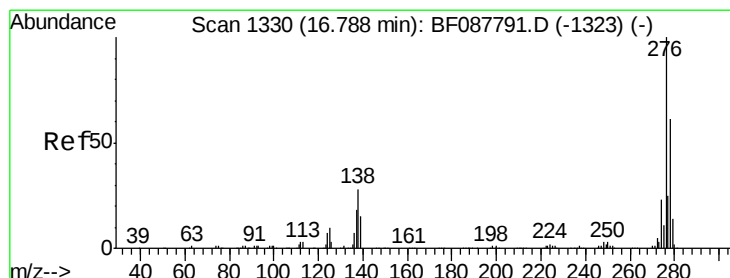
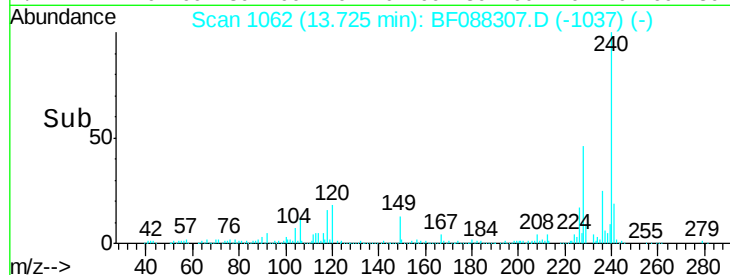
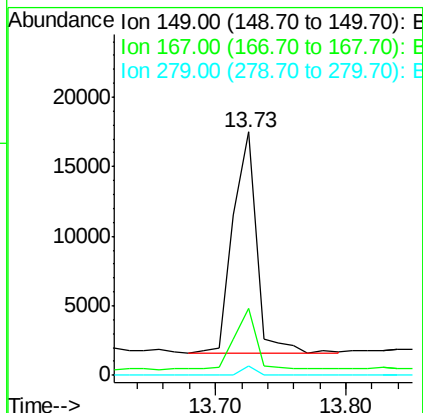
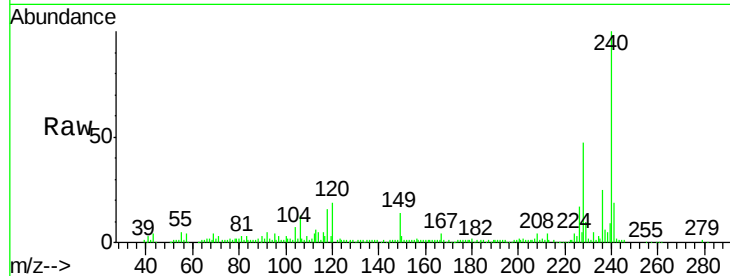




#83
Bis(2-ethylhexyl)phthalate
Concen: 2.96 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

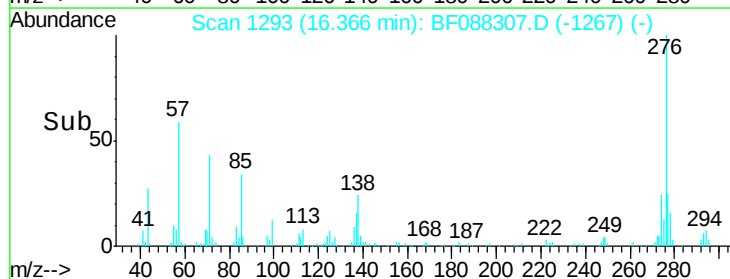
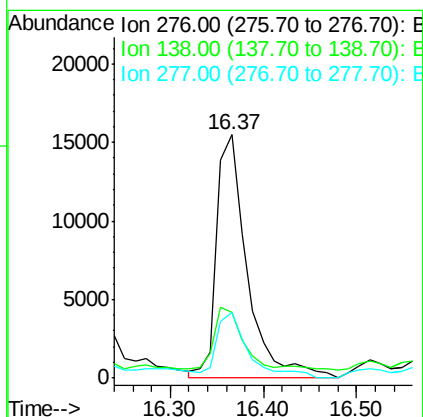
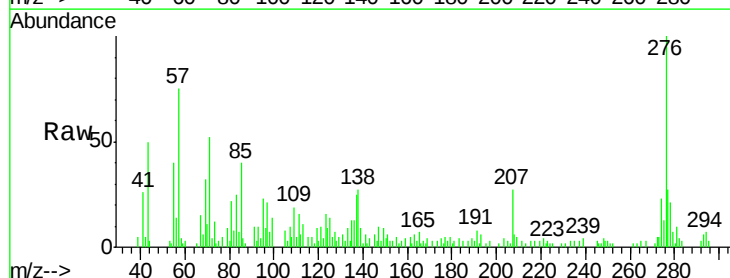
Instrument :
BNA_F
ClientSampleId :
SB-1(0-6)

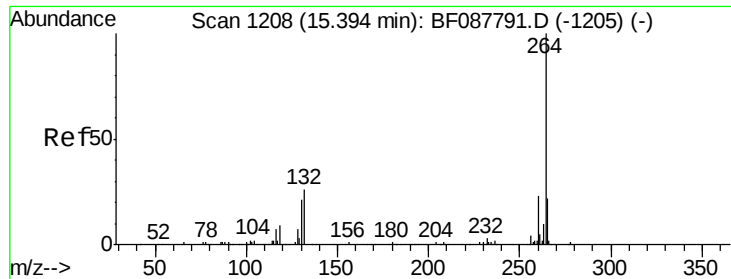
Tgt Ion:149 Resp: 19863
Ion Ratio Lower Upper
149 100
167 27.4 20.5 30.7
279 3.9 2.0 3.0#



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.22 ng
RT: 16.37 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Tgt Ion:276 Resp: 35321
Ion Ratio Lower Upper
276 100
138 25.1 0.0 0.0#
277 27.8 0.0 0.0#

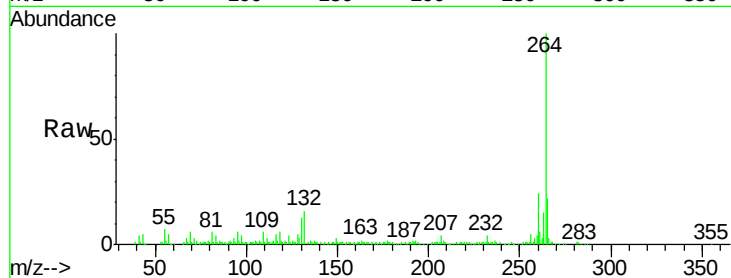




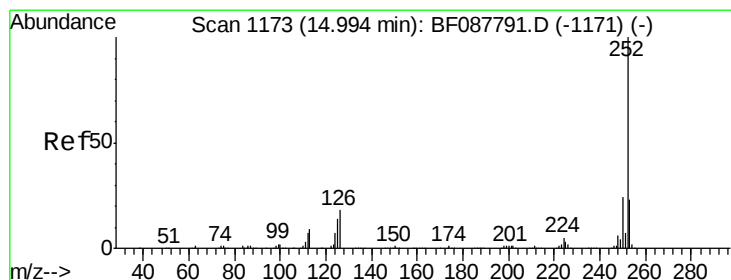
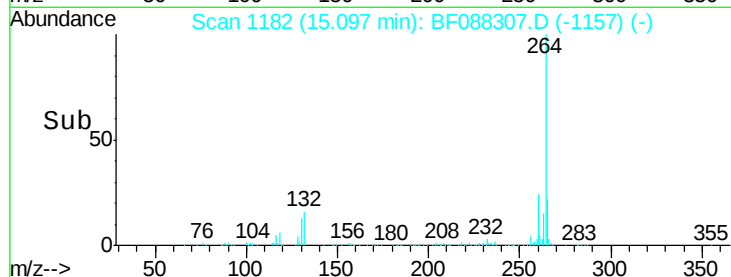
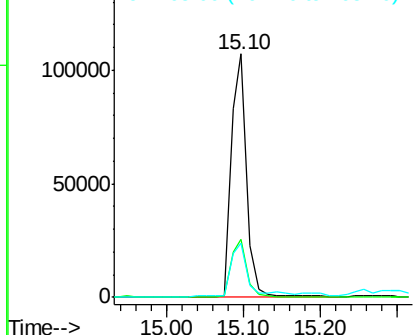
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Instrument :
BNA_F
ClientSampled :
SB-1(0-6)

Tgt Ion:264 Resp: 153958
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.4 16.9 25.3

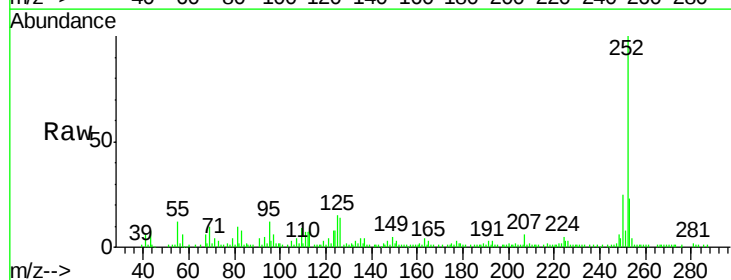


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

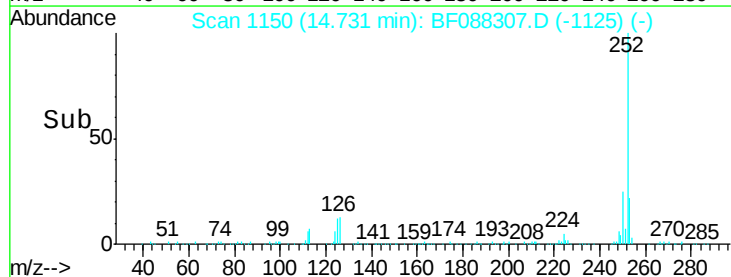
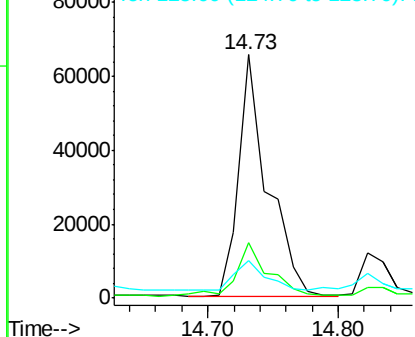


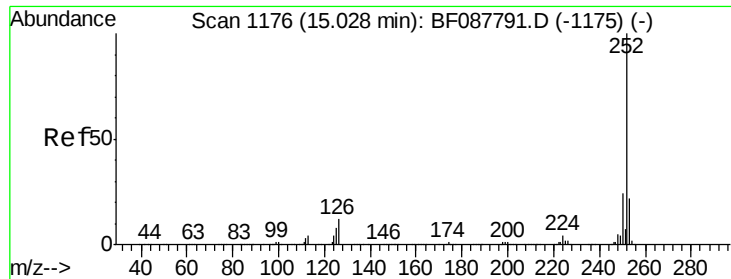
#87
Benzo(b)fluoranthene
Concen: 9.38 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Tgt Ion:252 Resp: 100622
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 15.2 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 12.43 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.03 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

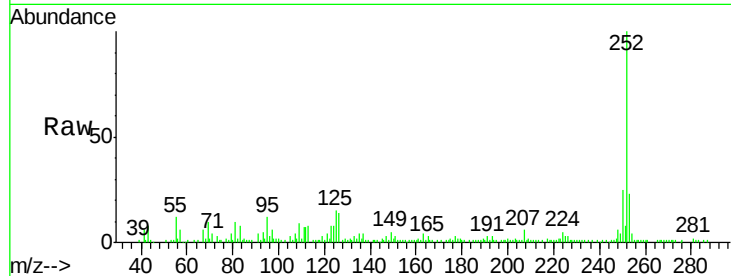
Tgt Ion:252 Resp: 100622

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

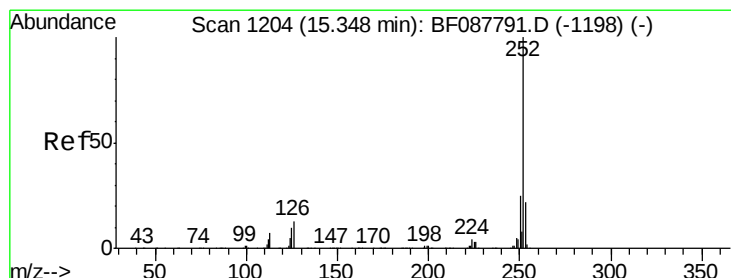
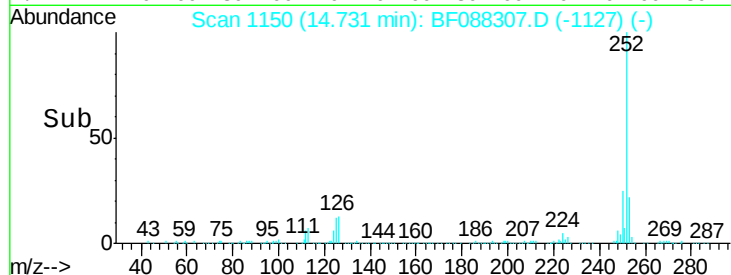
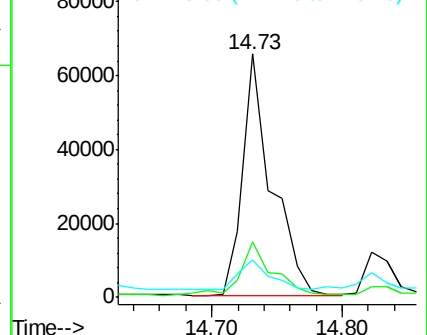
125 15.2 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 7.08 ng

RT: 15.04 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

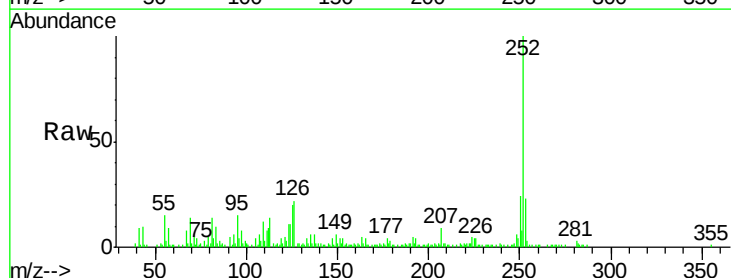
Tgt Ion:252 Resp: 61510

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

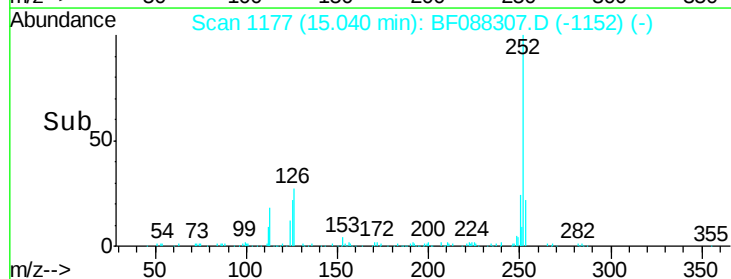
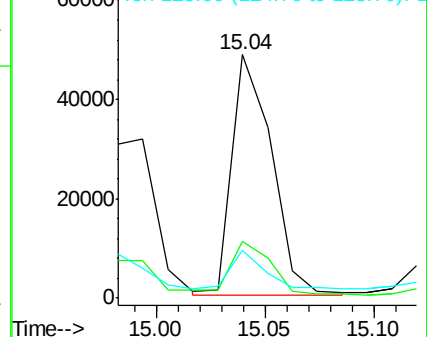
125 19.6 12.5 18.7#

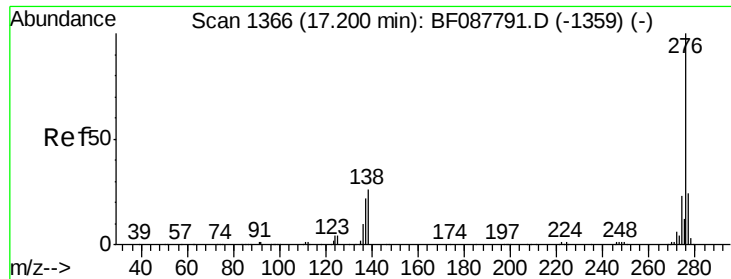


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 4.58 ng

RT: 16.74 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

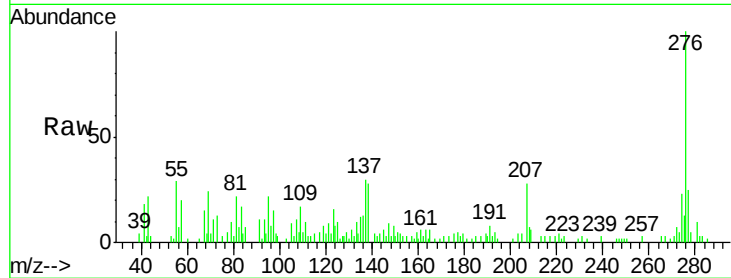
Tgt Ion: 276 Resp: 38000

Ion Ratio Lower Upper

276 100

277 25.4 18.9 28.3

138 27.9 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

