

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071216\
 Data File : BF088935.D
 Acq On : 12 Jul 2016 22:57
 Operator : UM/SJ
 Sample : H3934-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C3-09

Quant Time: Jul 13 02:18:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	62392	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	227904	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	91199	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	133465	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	125964	20.00	ng	-0.01
86) Perylene-d12	15.22	264	111379	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	406536	97.65	ng	0.01
7) Phenol-d6	6.35	99	433772	80.64	ng	0.00
23) Nitrobenzene-d5	7.27	82	271303	62.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	77090	91.03	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	494646	85.67	ng	0.00
78) Terphenyl-d14	12.80	244	280585	49.61	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.84	42	222	0.10	ng	# 1
6) Aniline	6.48	93	641	0.08	ng	# 1
9) Benzaldehyde	6.35	77	473	0.13	ng	# 1
10) Phenol	6.36	94	4038	0.66	ng	# 32
11) bis(2-Chloroethyl)ether	6.48	93	641	0.14	ng	# 1
15) Benzyl Alcohol	6.86	79	5210	1.32	ng	# 48
19) n-Nitroso-di-n-propylamine	7.27	70	36421	10.08	ng	# 73
22) Acetophenone	7.11	105	350	0.06	ng	# 57
24) Nitrobenzene	7.27	77	568	0.13	ng	# 21
25) Isophorone	7.27	82	234464	29.11	ng	# 65
31) Naphthalene	8.01	128	6221	0.55	ng	# 98
33) 4-Chloroaniline	8.01	127	789	0.16	ng	# 40
37) 2-Methylnaphthalene	8.70	142	6898	0.95	ng	# 92
45) 1,1'-Biphenyl	9.16	154	1293	0.17	ng	# 88
46) 2-Chloronaphthalene	9.27	162	241	0.04	ng	# 36
47) 2-Nitroaniline	9.46	65	636	0.30	ng	# 1
48) Acenaphthylene	9.60	152	2009	0.21	ng	# 91
49) Dimethylphthalate	9.46	163	63570	9.78	ng	# 99
50) 2,6-Dinitrotoluene	9.46	165	625	0.43	ng	# 1
51) Acenaphthene	9.74	154	289	0.05	ng	# 5
54) Dibenzofuran	9.94	168	1593	0.21	ng	# 86
55) 4-Nitrophenol	9.94	139	588	0.42	ng	# 5
56) 2,4-Dinitrotoluene	9.74	165	11742	6.24	ng	# 36
57) Fluorene	10.28	166	250	0.04	ng	# 53
59) Diethylphthalate	10.16	149	268	0.04	ng	# 60
62) Azobenzene	10.40	77	219	0.03	ng	# 49
65) n-Nitrosodiphenylamine	10.40	169	571	0.13	ng	# 24
66) 4-Bromophenyl-phenylether	10.52	248	5434	4.04	ng	# 1
70) Phenanthrene	11.23	178	11523	1.58	ng	# 97
71) Anthracene	11.29	178	3886	0.54	ng	# 95
72) Carbazole	11.45	167	1306	0.19	ng	# 72
73) Di-n-butylphthalate	11.78	149	2508	0.32	ng	# 77
74) Fluoranthene	12.42	202	9176	1.24	ng	# 96
77) Pyrene	12.64	202	18731	1.75	ng	# 97

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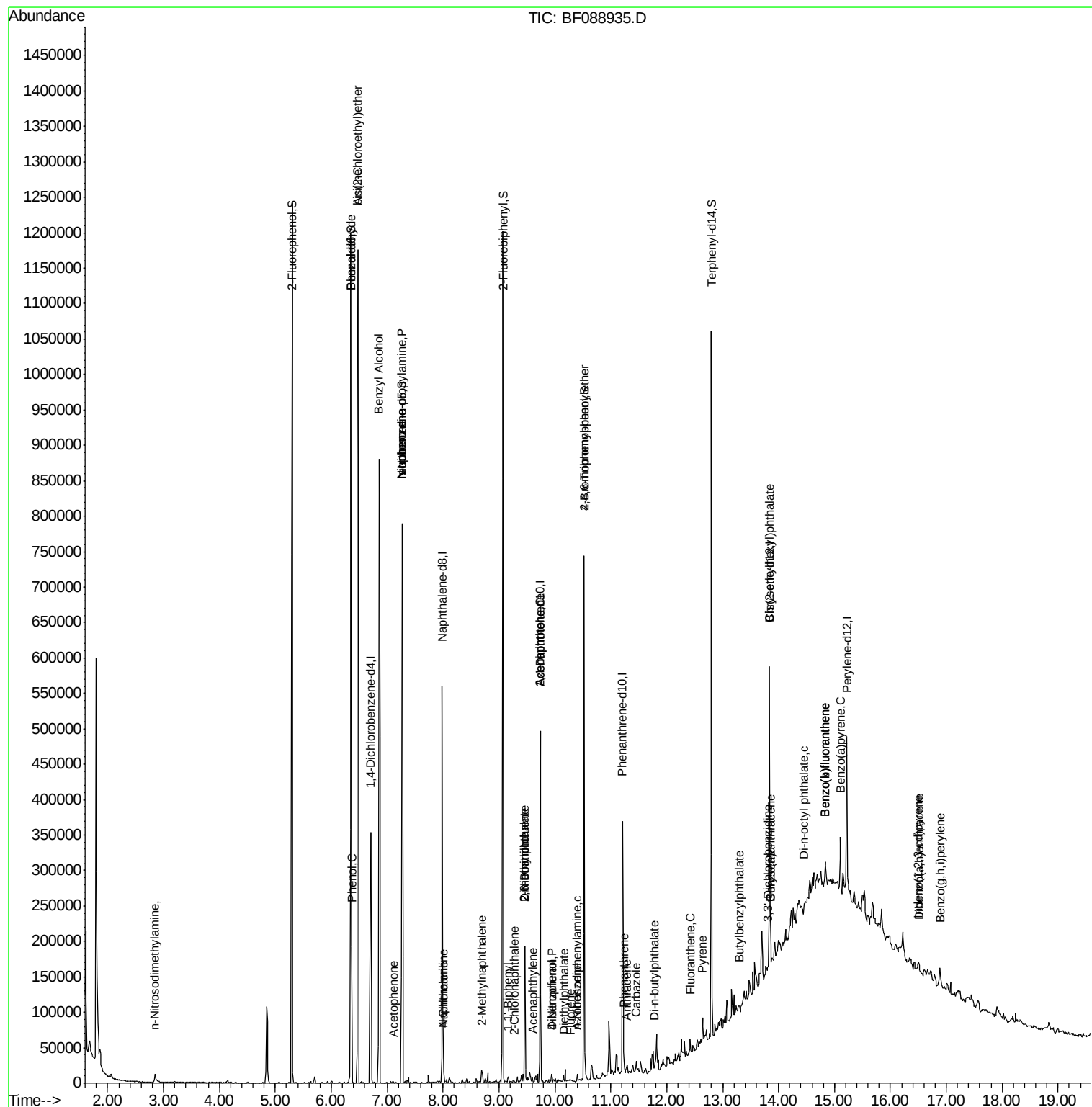
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Butylbenzylphthalate	13.30	149	337	0.07	ng	# 1
80) Benzo(a)anthracene	13.86	228	26992	3.33	ng	# 71
81) 3,3'-Dichlorobenzidine	13.81	252	1727	0.57	ng	# 1
82) Chrysene	13.86	228	26992	3.36	ng	# 77
83) Bis(2-ethylhexyl)phthalate	13.84	149	1448	0.27	ng	# 81
84) Di-n-octyl phthalate	14.46	149	666	0.07	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.50	276	7435	1.20	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	16773	2.40	ng	# 76
88) Benzo(k)fluoranthene	14.83	252	16842	2.77	ng	# 81
89) Benzo(a)pyrene	15.11	252	32476	5.49	ng	96
90) Dibenzo(a,h)anthracene	16.51	278	3393	0.69	ng	# 32
91) Benzo(g,h,i)perylene	16.89	276	16595	3.25	ng	95

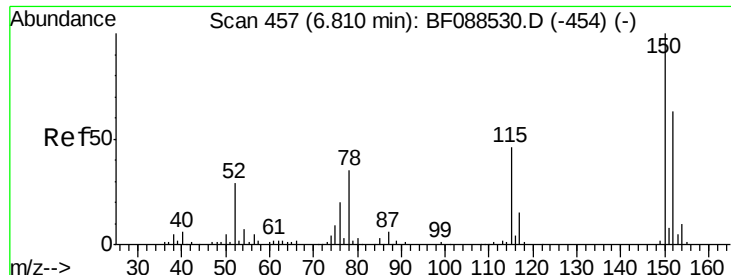
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampled :

C3-09

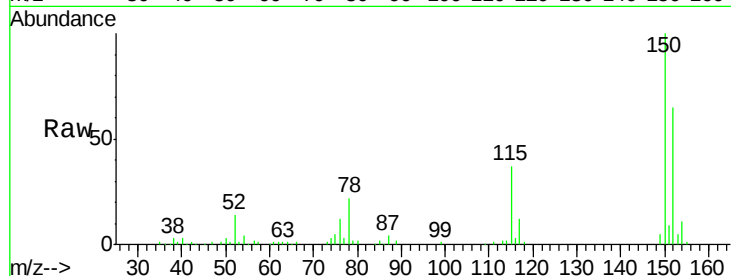
Tgt Ion:152 Resp: 62392

Ion Ratio Lower Upper

152 100

150 154.2 123.8 185.6

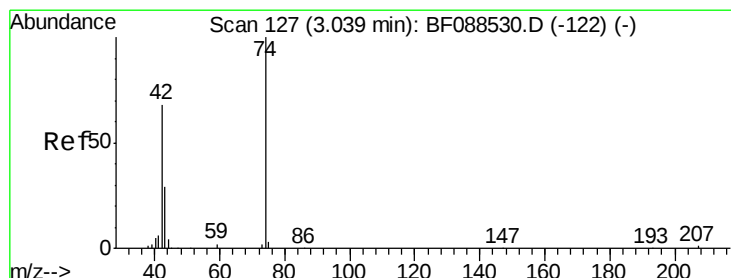
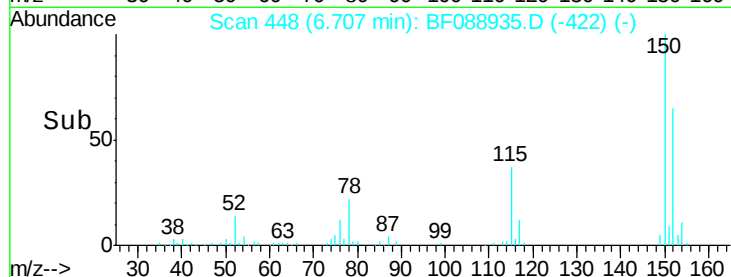
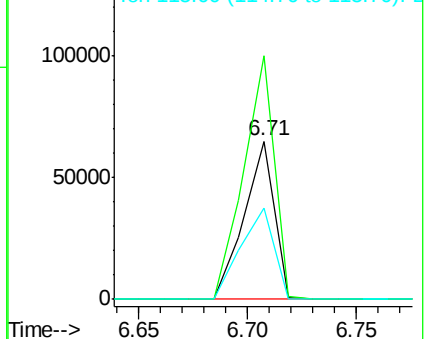
115 57.6 39.6 59.4



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



#4

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 2.84 min Scan# 110

Delta R.T. 0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

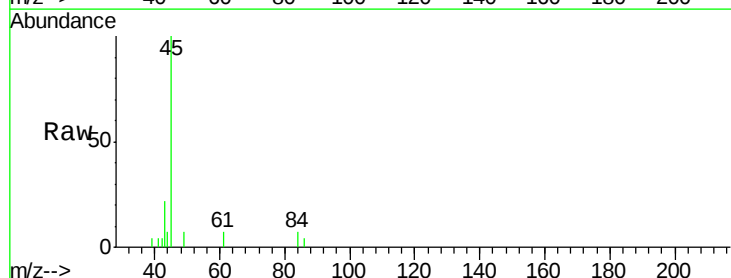
Tgt Ion: 42 Resp: 222

Ion Ratio Lower Upper

42 100

74 0.0 108.6 163.0#

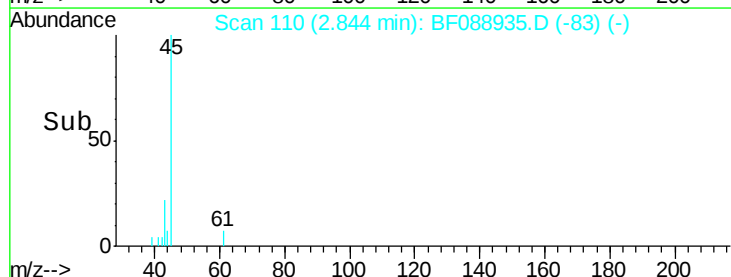
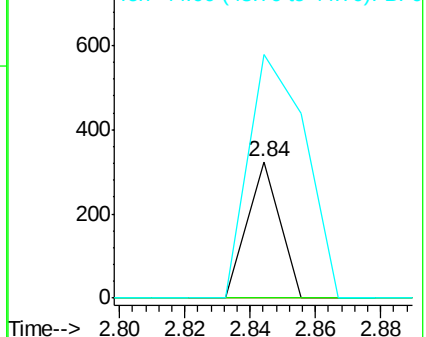
44 178.4 5.5 8.3#

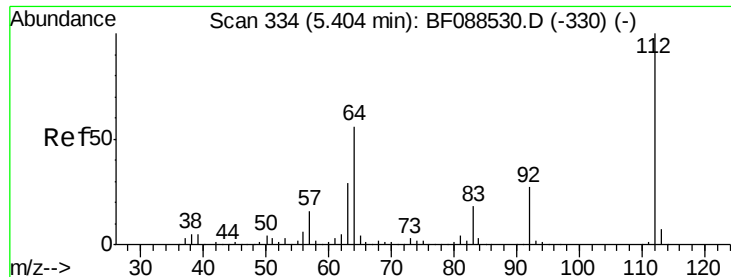


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 97.65 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampled :

C3-09

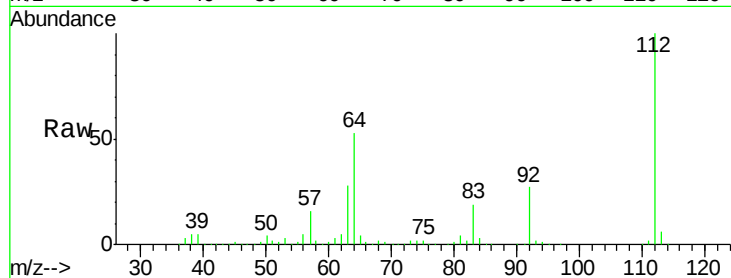
Tgt Ion: 112 Resp: 406536

Ion Ratio Lower Upper

112 100

64 52.7 42.2 63.2

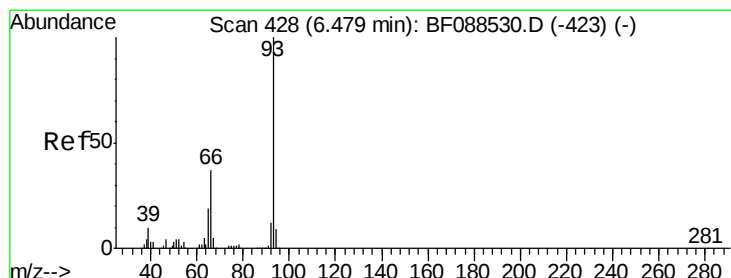
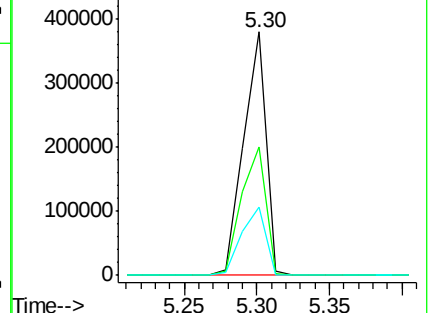
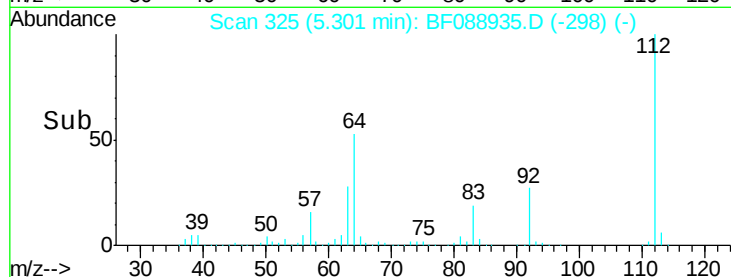
63 28.1 21.8 32.8



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



#6

Aniline

Concen: 0.08 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.10 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

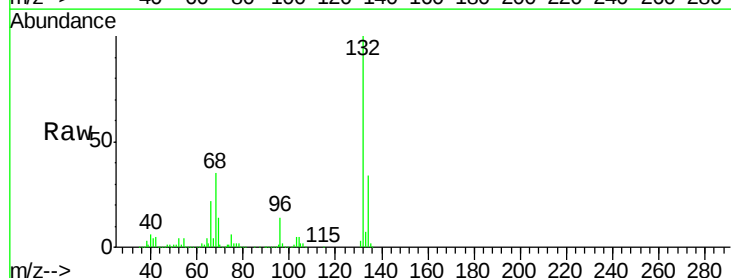
Tgt Ion: 93 Resp: 641

Ion Ratio Lower Upper

93 100

66 14268.3 29.8 44.8#

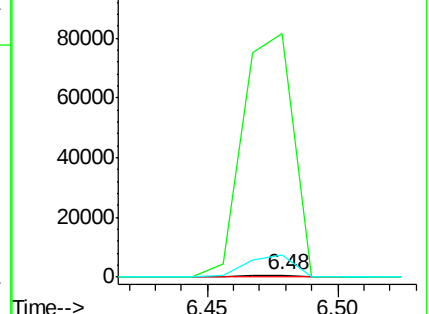
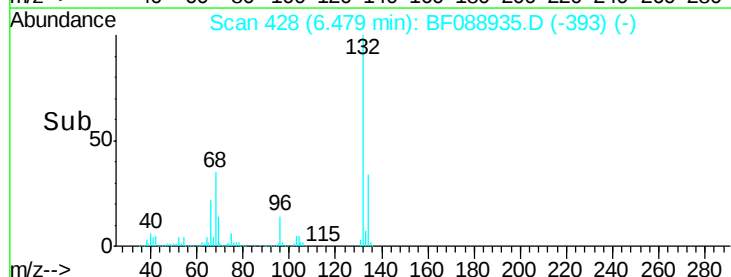
65 1317.3 14.9 22.3#

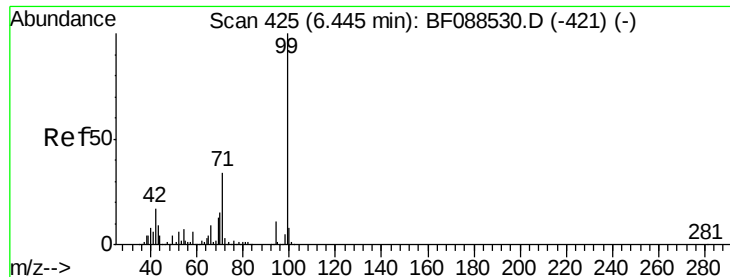


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 80.64 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

C3-09

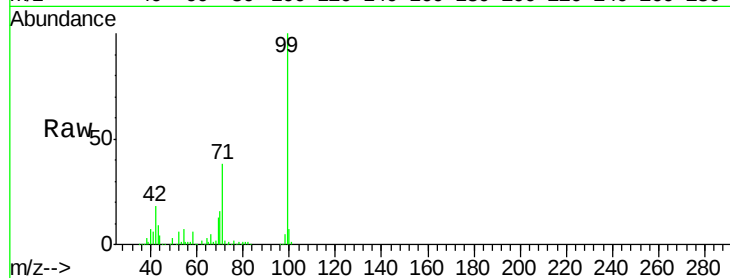
Tgt Ion: 99 Resp: 433772

Ion Ratio Lower Upper

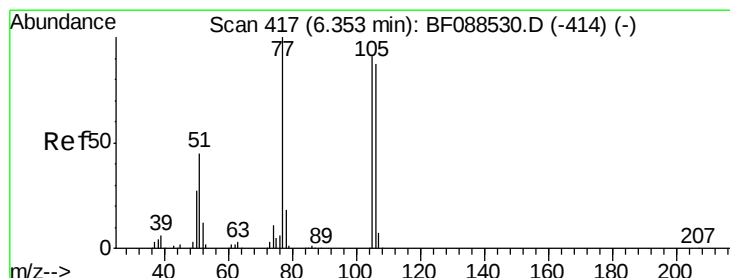
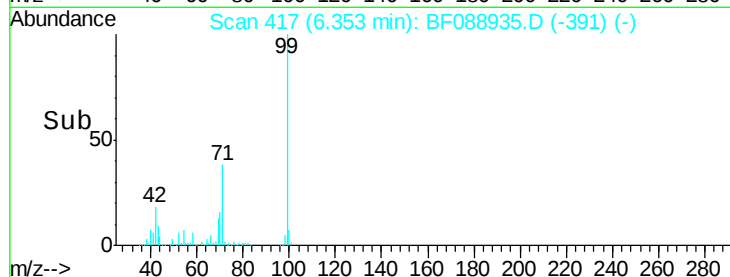
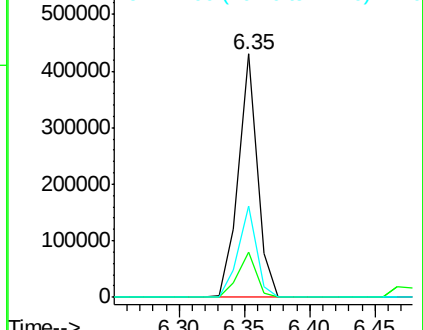
99 100

42 18.3 12.2 18.2#

71 37.6 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



#9

Benzaldehyde

Concen: 0.13 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.10 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

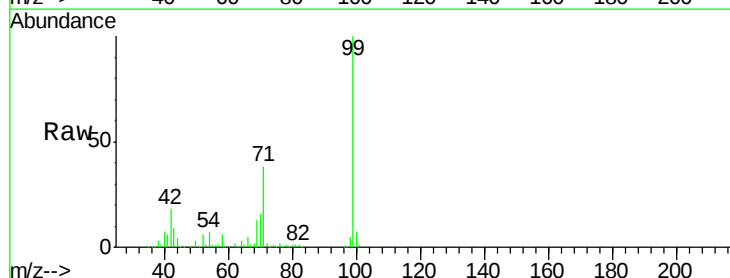
Tgt Ion: 77 Resp: 473

Ion Ratio Lower Upper

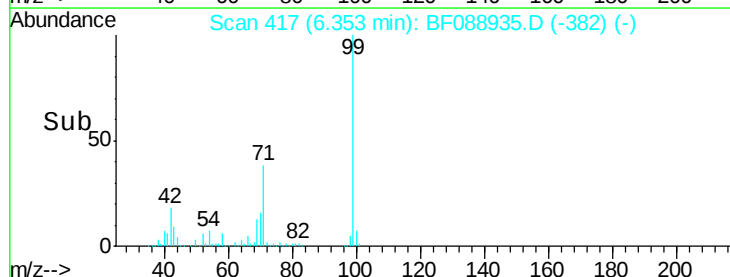
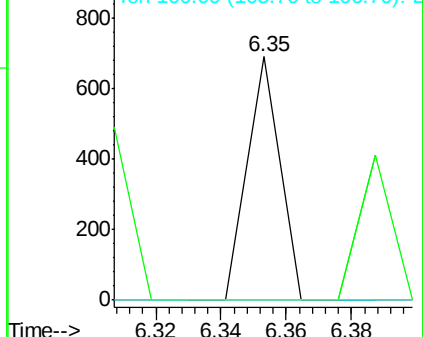
77 100

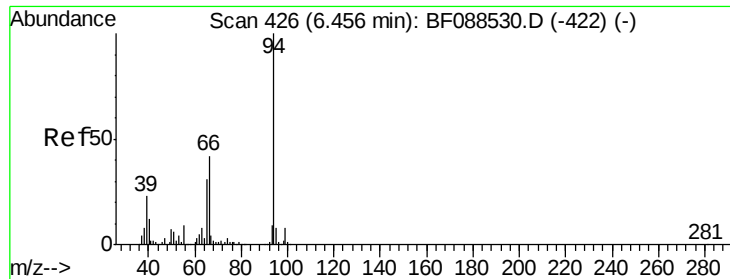
105 0.0 90.6 130.6#

106 0.0 85.3 125.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.66 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampled :

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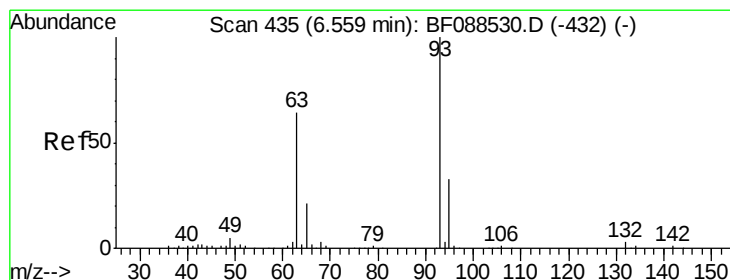
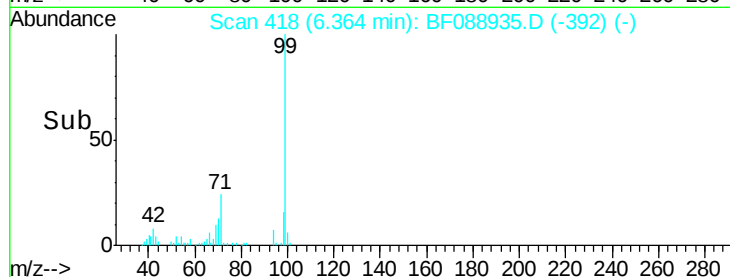
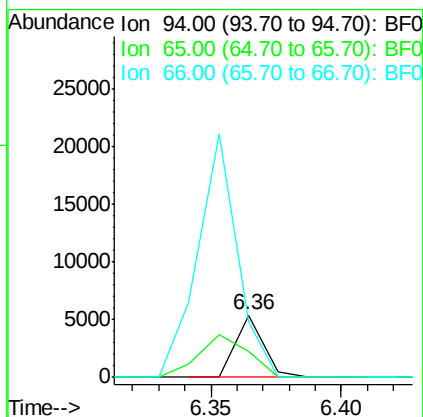
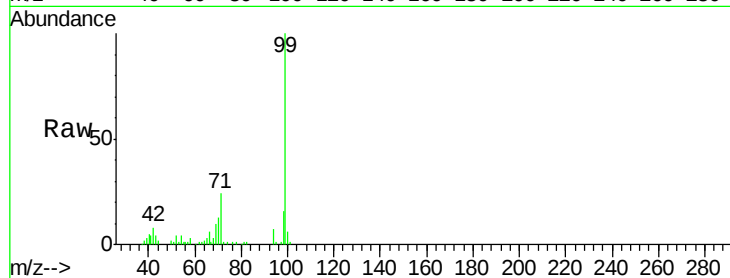
Tgt Ion: 94 Resp: 4038

Ion Ratio Lower Upper

94 100

65 42.1 5.9 45.9

66 88.7 14.0 54.0#



#11

bis(2-Chloroethyl)ether

Concen: 0.14 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

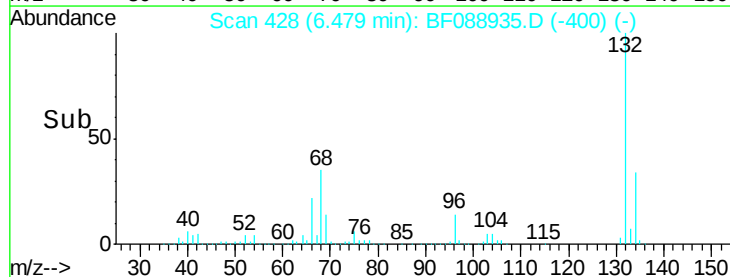
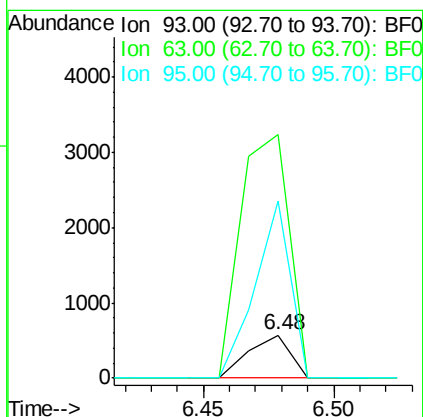
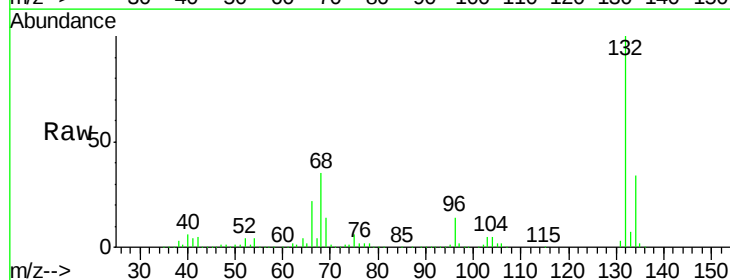
Tgt Ion: 93 Resp: 641

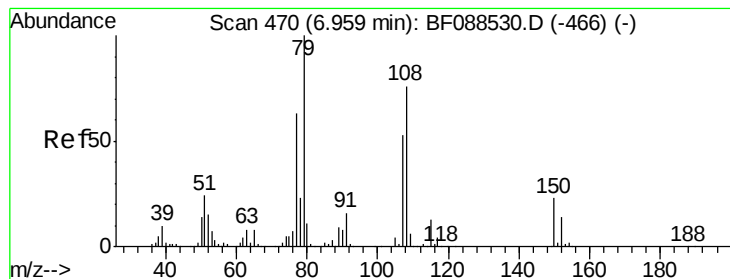
Ion Ratio Lower Upper

93 100

63 566.7 67.6 107.6#

95 411.9 12.5 52.5#





#15

Benzyl Alcohol

Concen: 1.32 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF088935.D

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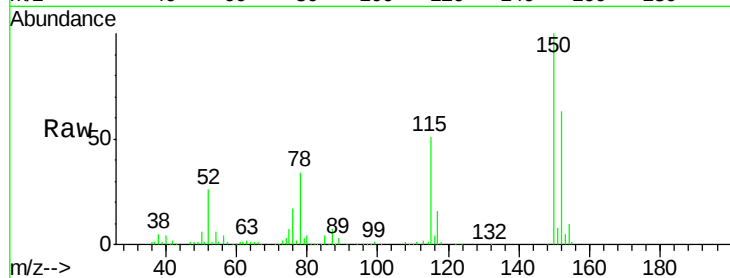
Tgt Ion: 79 Resp: 5210

Ion Ratio Lower Upper

79 100

108 26.3 65.0 97.6#

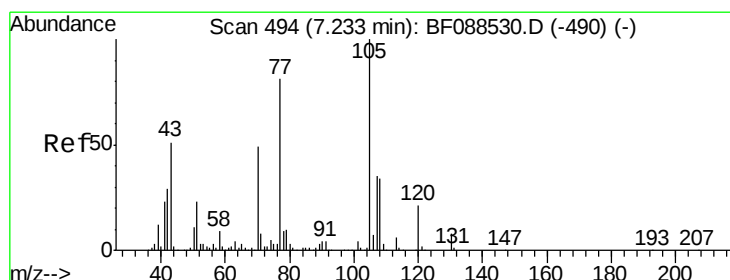
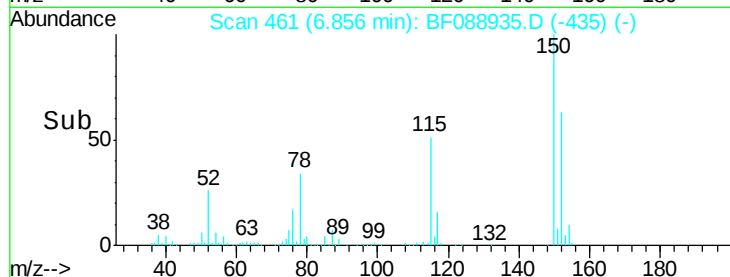
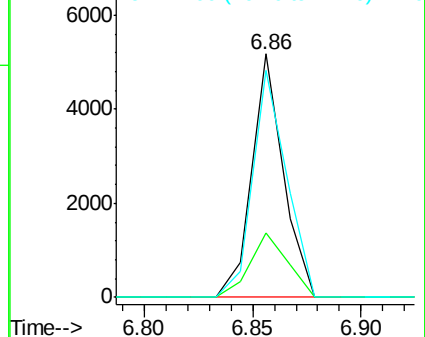
77 93.3 50.3 75.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 10.08 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.13 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Tgt Ion: 70 Resp: 36421

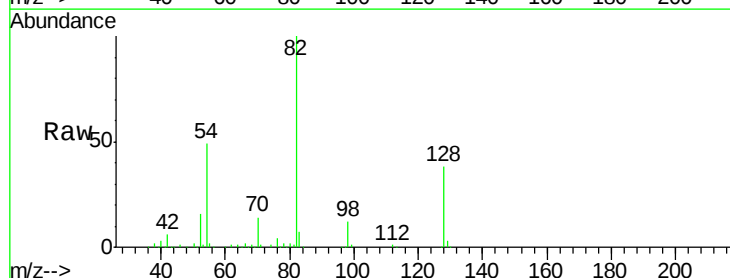
Ion Ratio Lower Upper

70 100

42 43.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

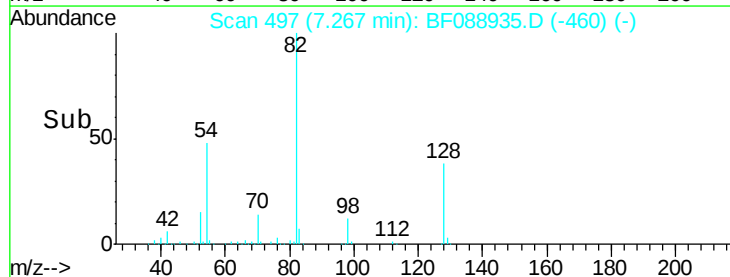
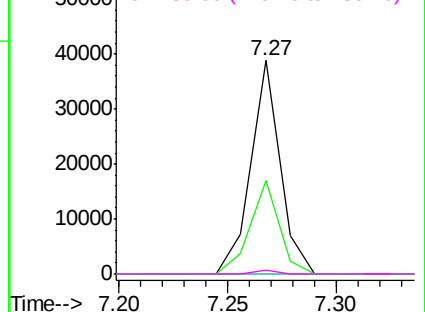


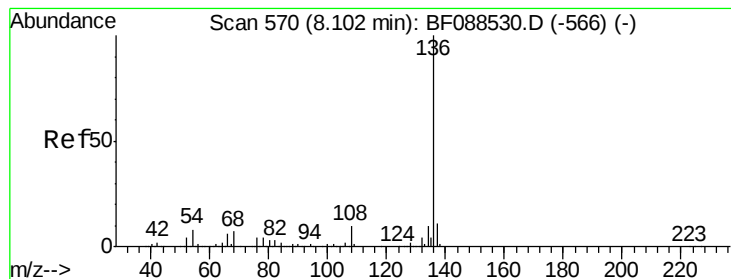
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

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ClientSampleId :

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Tgt Ion:136 Resp: 227904

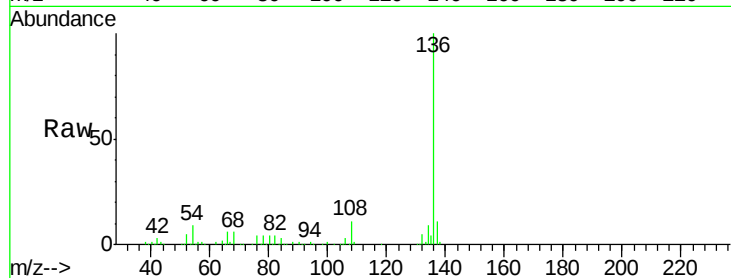
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.5 6.6 10.0

68 6.5 5.1 7.7

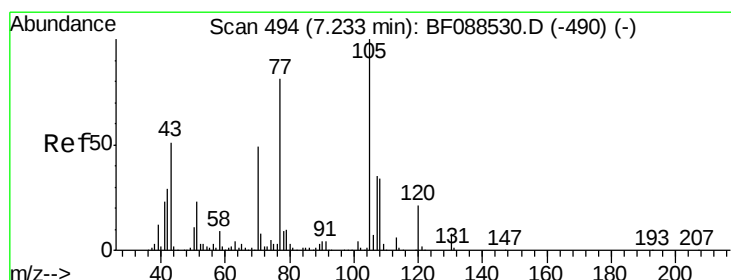
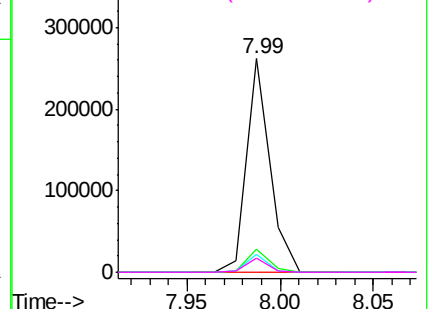
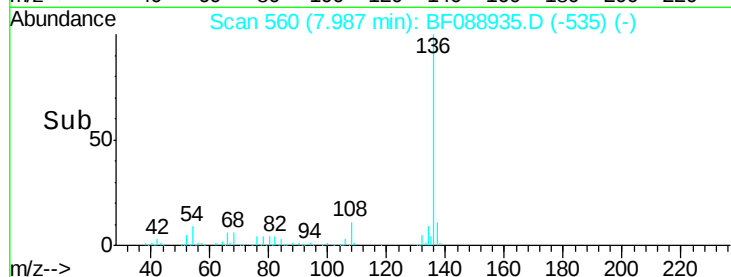


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 0.06 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Tgt Ion:105 Resp: 350

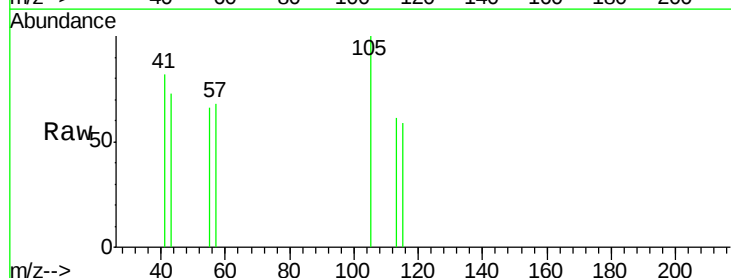
Ion Ratio Lower Upper

105 100

71 0.0 5.3 7.9#

51 0.0 18.2 27.4#

120 0.0 18.0 27.0#

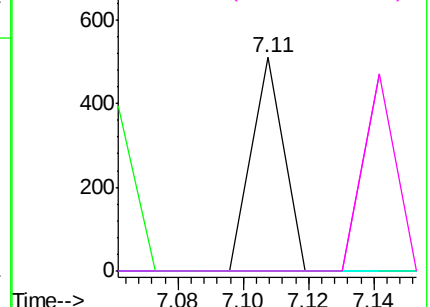
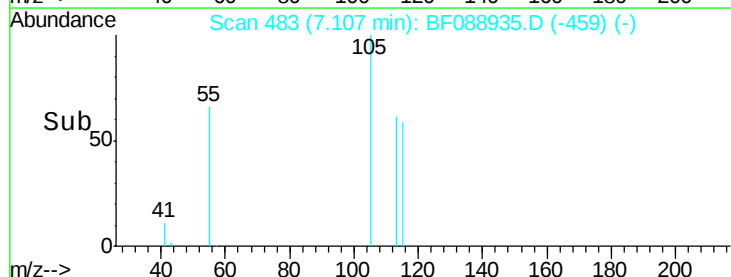


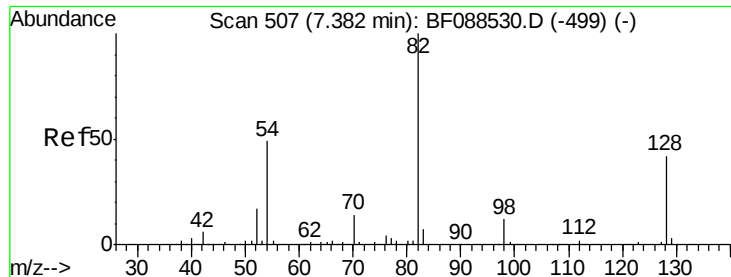
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

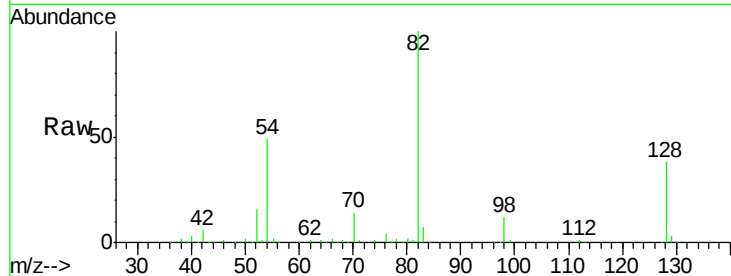




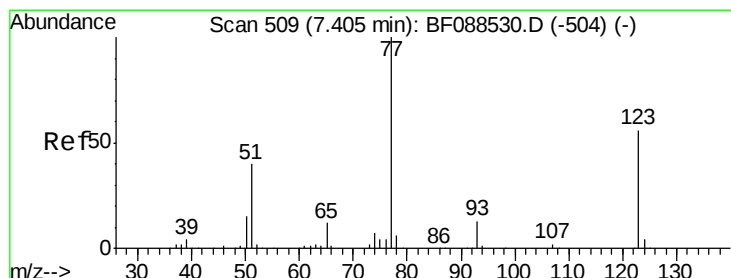
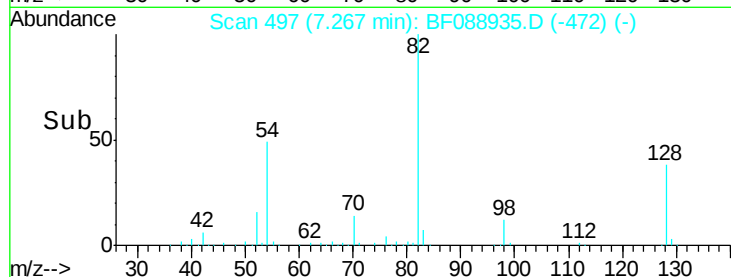
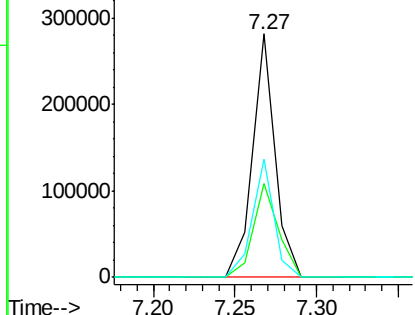
#23
 Nitrobenzene-d5
 Concen: 62.38 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Instrument :
 BNA_F
 ClientSampled :
 C3-09

Tgt Ion: 82 Resp: 271303
 Ion Ratio Lower Upper
 82 100
 128 38.4 35.9 53.9
 54 48.7 40.9 61.3

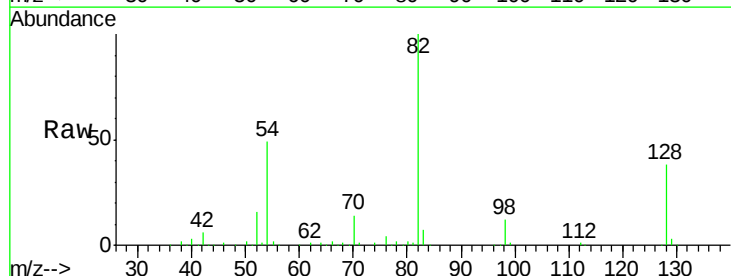


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

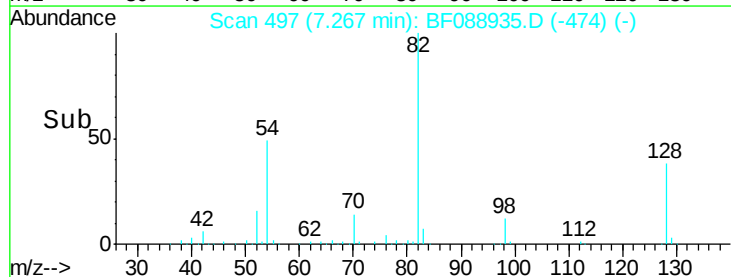
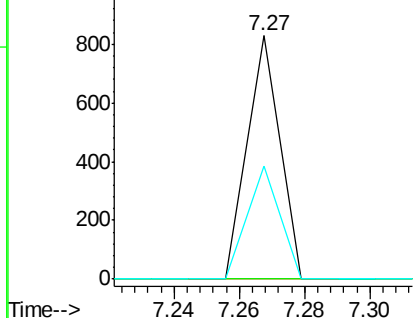


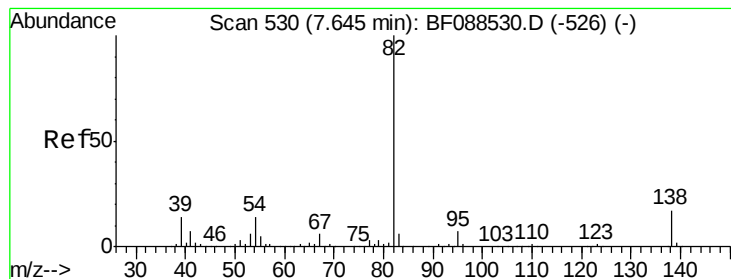
#24
 Nitrobenzene
 Concen: 0.13 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.03 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Tgt Ion: 77 Resp: 568
 Ion Ratio Lower Upper
 77 100
 123 0.0 45.0 67.4#
 65 46.6 10.2 15.2#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 29.11 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.27 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

C3-09

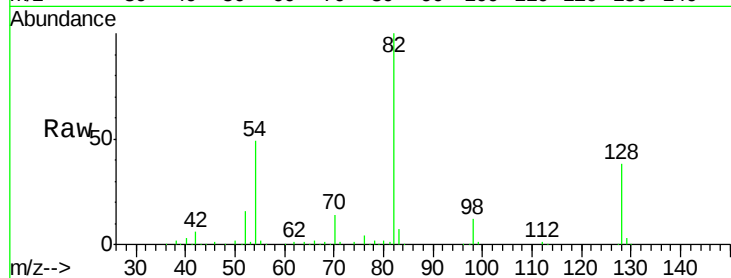
Tgt Ion: 82 Resp: 234464

Ion Ratio Lower Upper

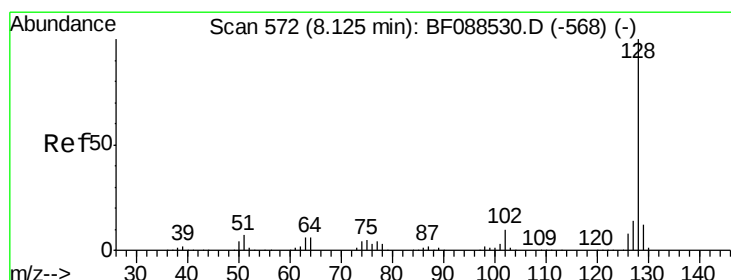
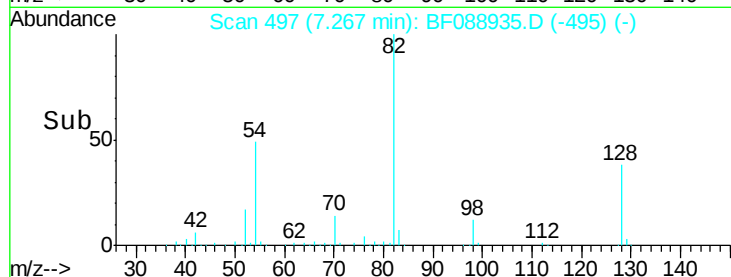
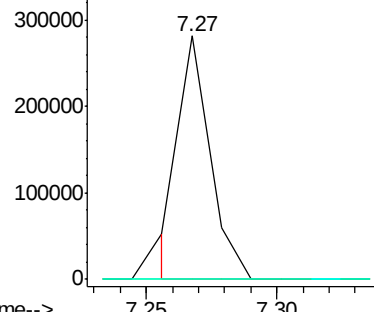
82 100

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



#31

Naphthalene

Concen: 0.55 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

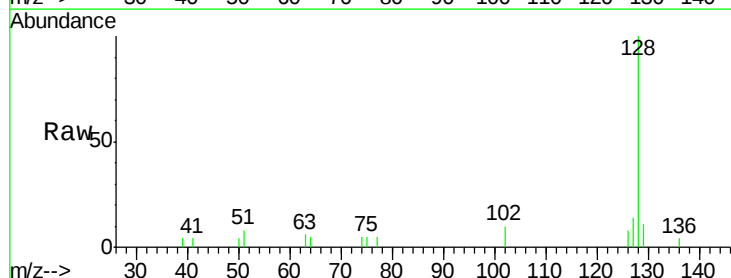
Tgt Ion: 128 Resp: 6221

Ion Ratio Lower Upper

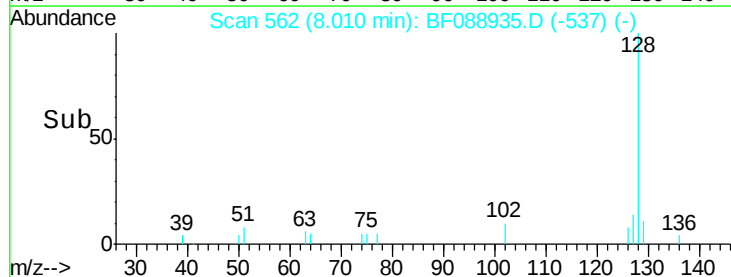
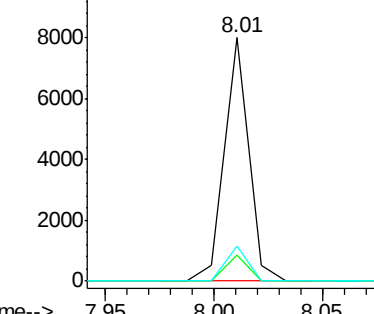
128 100

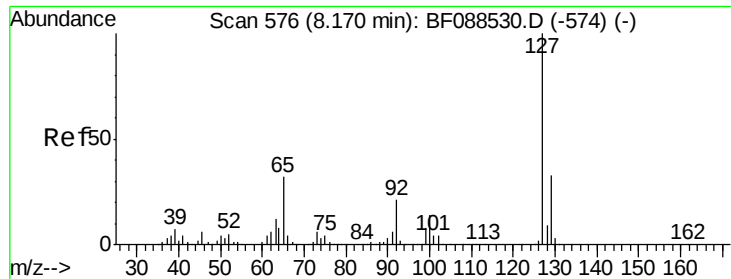
129 10.6 9.4 14.2

127 14.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

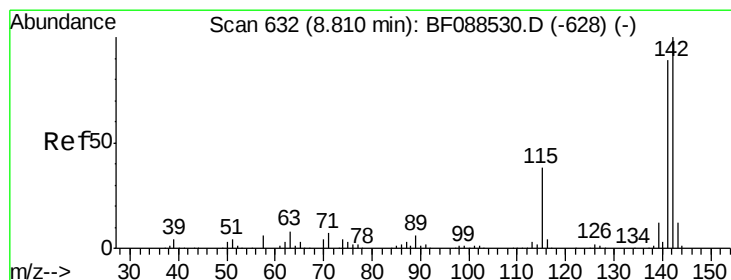
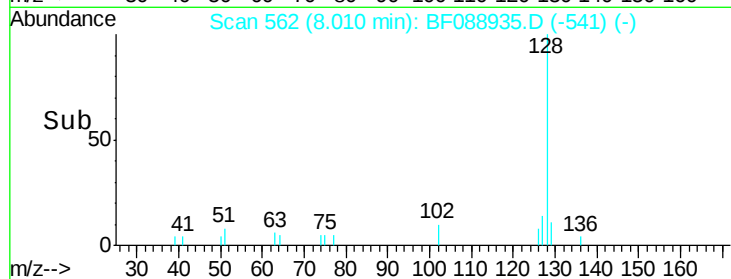
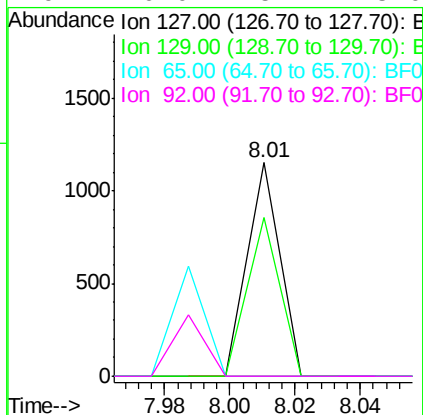
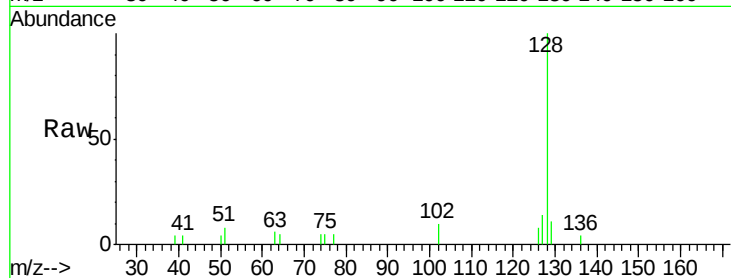




#33
 4-Chloroaniline
 Concen: 0.16 ng
 RT: 8.01 min Scan# 562
 Delta R.T. -0.06 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

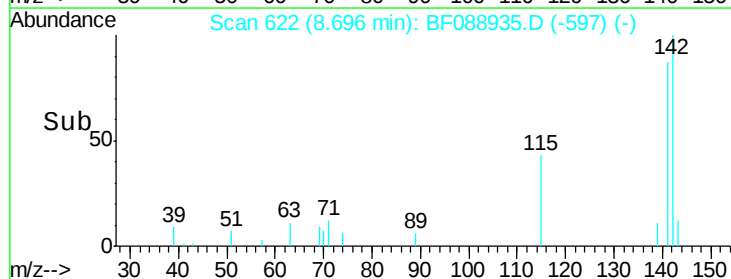
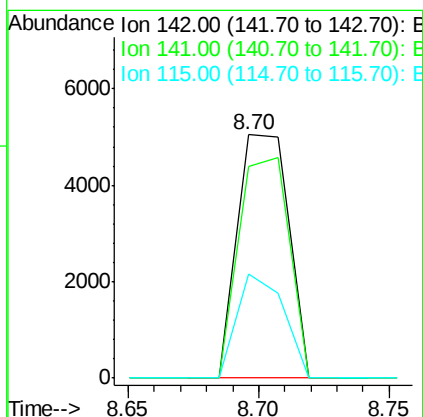
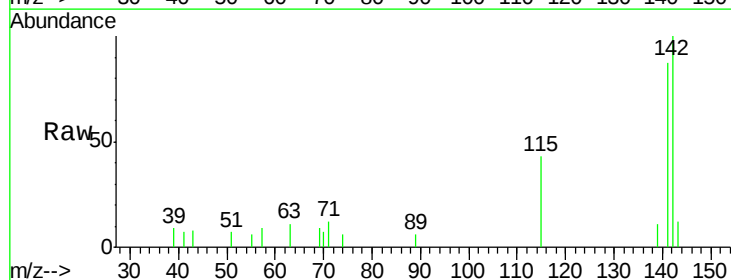
Instrument :
 BNA_F
 ClientSampleId :
 C3-09

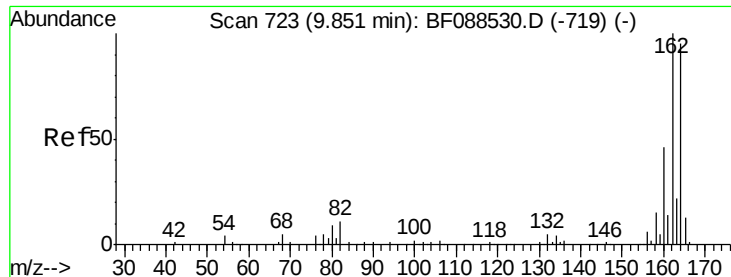
Tgt Ion:	127	Resp:	789
Ion	Ratio	Lower	Upper
127	100		
129	74.0	26.3	39.5#
65	0.0	24.7	37.1#
92	0.0	15.4	23.0#



#37
 2-Methylnaphthalene
 Concen: 0.95 ng
 RT: 8.70 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Tgt Ion:	142	Resp:	6898
Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.0	106.6
115	43.0	22.6	33.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampled :

C3-09

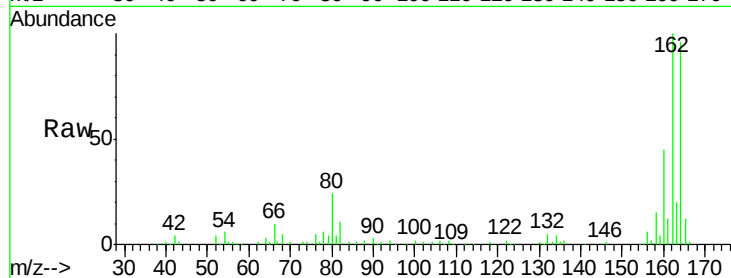
Tgt Ion:164 Resp: 91199

Ion Ratio Lower Upper

164 100

162 104.2 85.4 128.2

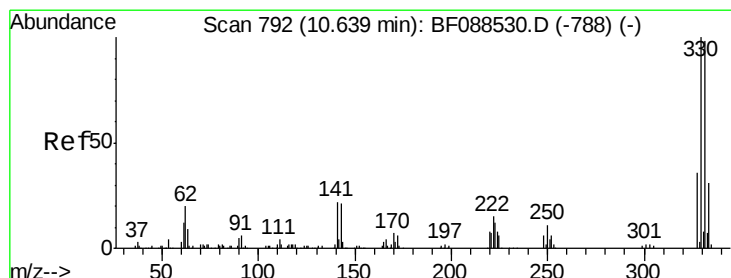
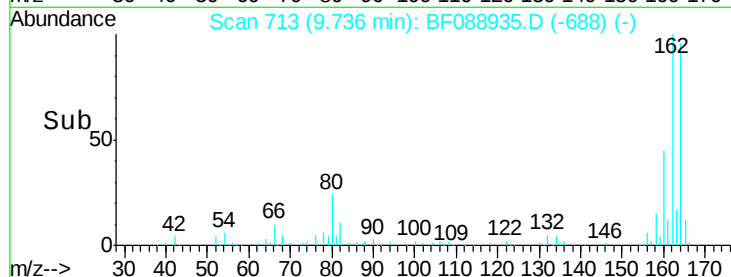
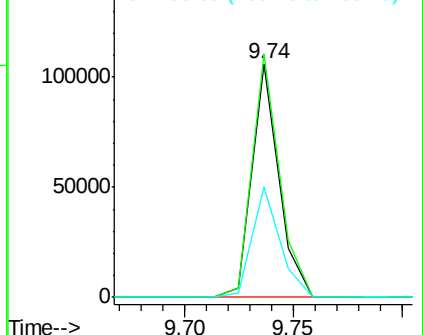
160 47.3 39.5 59.3



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: 91.03 ng

RT: 10.52 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

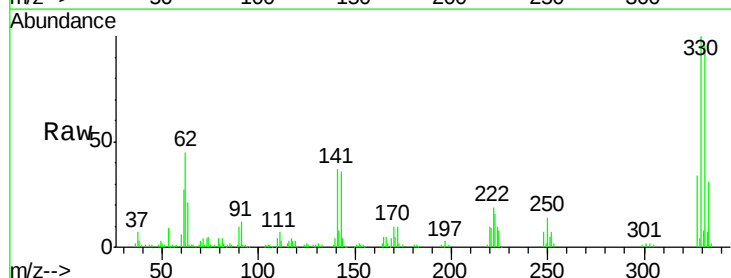
Tgt Ion:330 Resp: 77090

Ion Ratio Lower Upper

330 100

332 95.4 0.0 0.0#

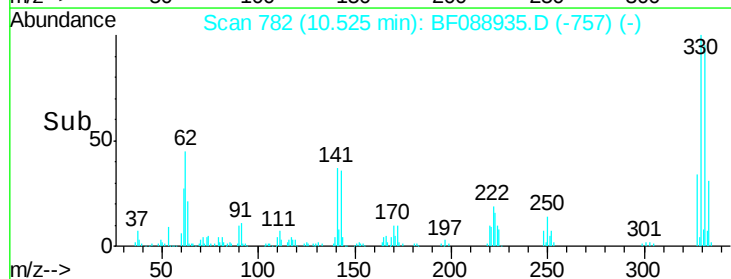
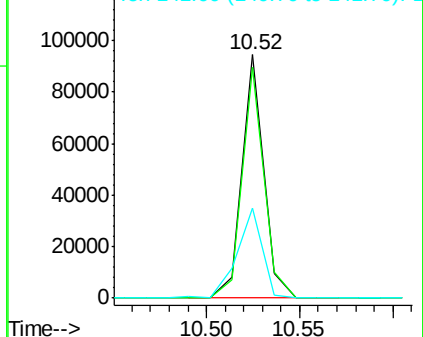
141 43.4 0.0 0.0#

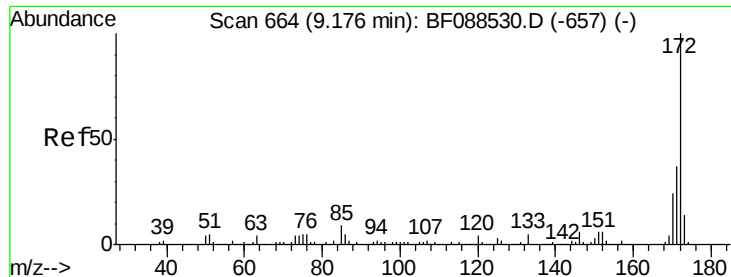


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

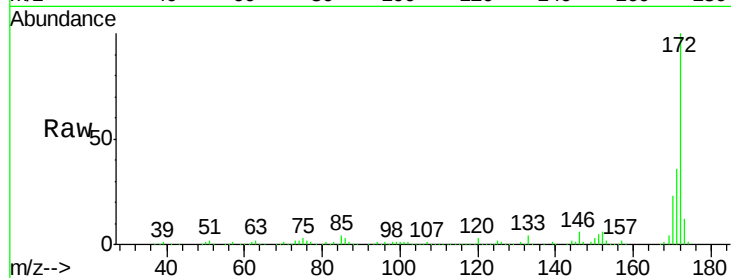




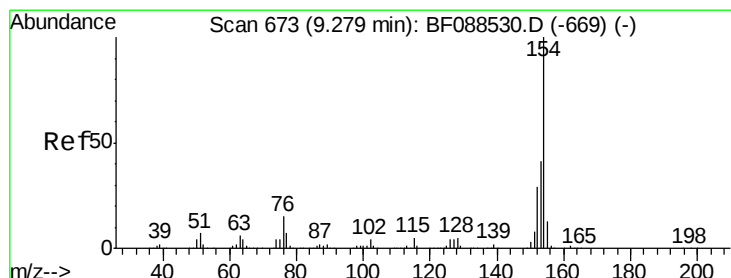
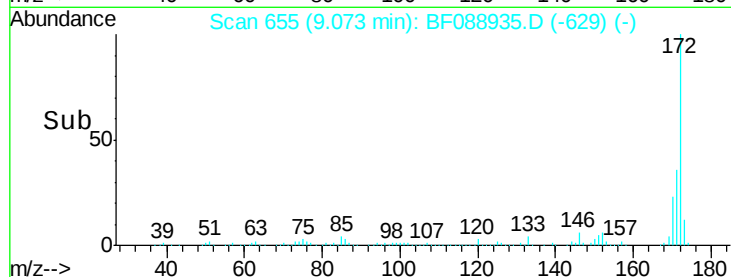
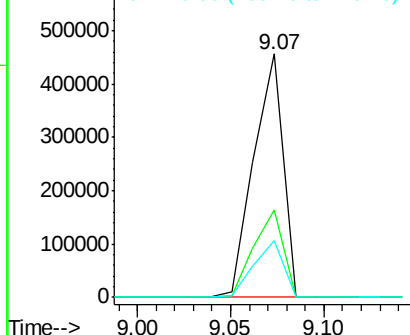
#44
 2-Fluorobiphenyl
 Concen: 85.67 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Instrument :
 BNA_F
 ClientSampleId :
 C3-09

Tgt Ion:172 Resp: 494646
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.4 19.2 28.8

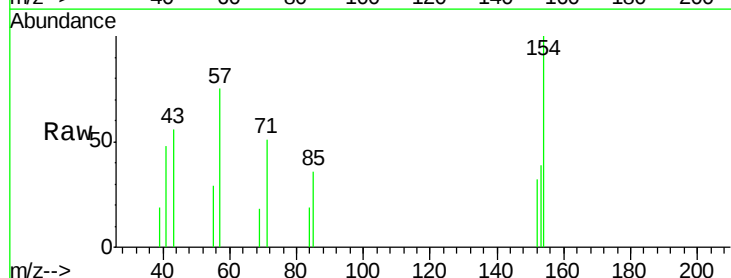


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

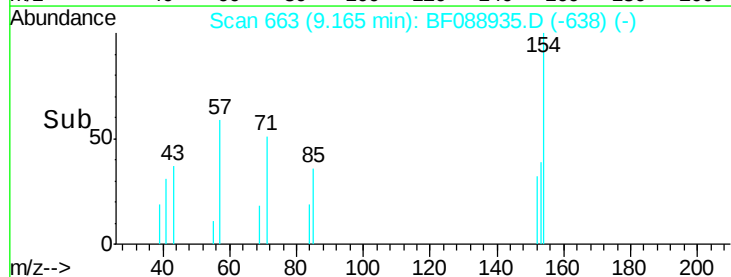
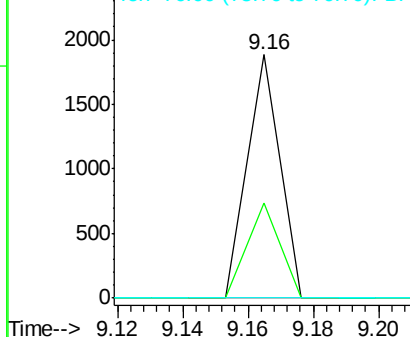


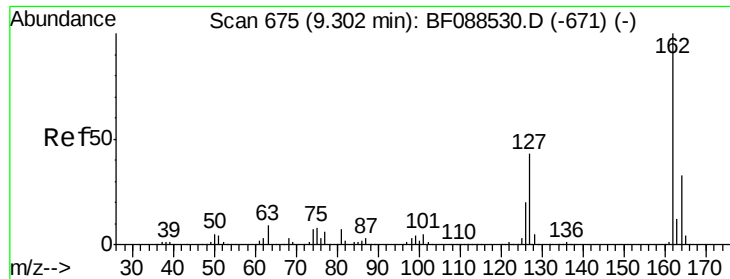
#45
 1,1'-Biphenyl
 Concen: 0.17 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Tgt Ion:154 Resp: 1293
 Ion Ratio Lower Upper
 154 100
 153 38.9 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

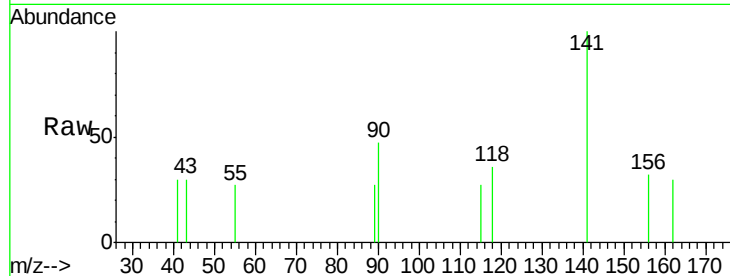




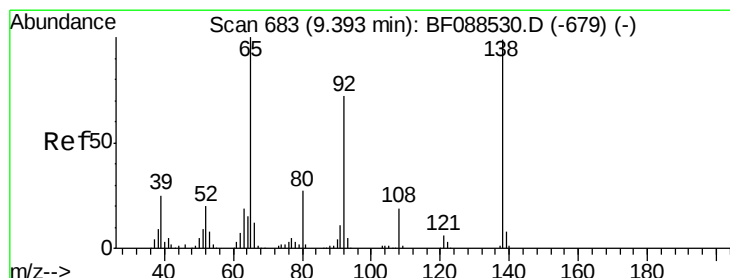
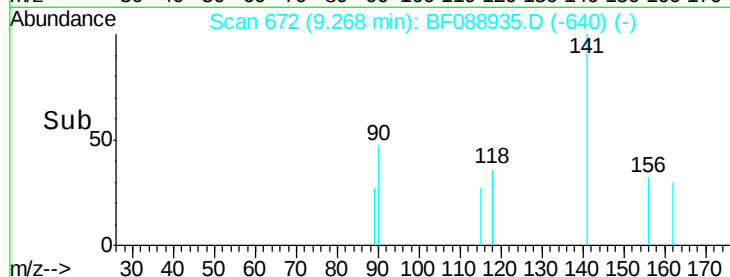
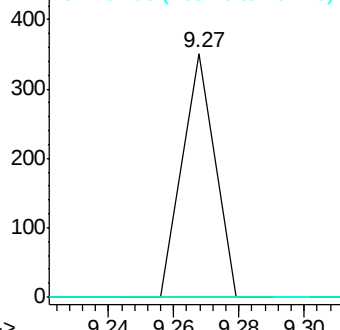
#46
 2-Chloronaphthalene
 Concen: 0.04 ng
 RT: 9.27 min Scan# 672
 Delta R.T. 0.07 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Instrument :
 BNA_F
 ClientSampleId :
 C3-09

Tgt Ion: 162 Resp: 241
 Ion Ratio Lower Upper
 162 100
 127 0.0 35.2 52.8#
 164 0.0 26.6 39.8#

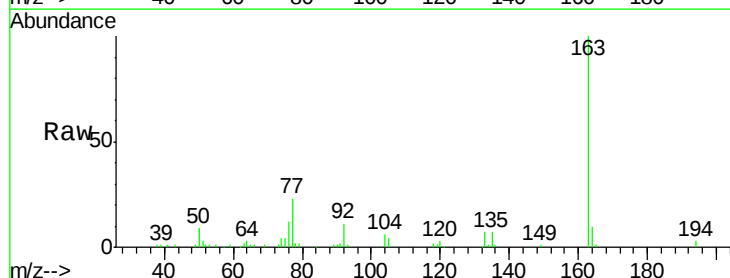


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

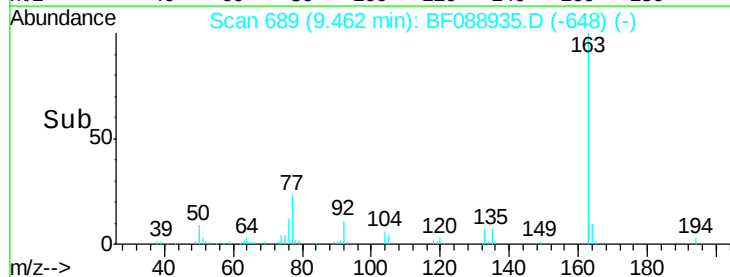
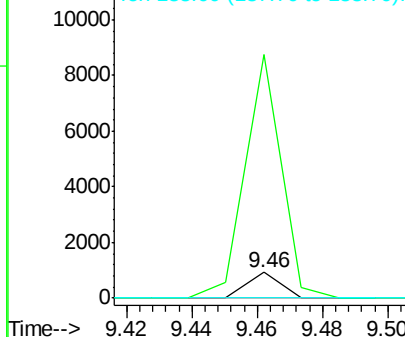


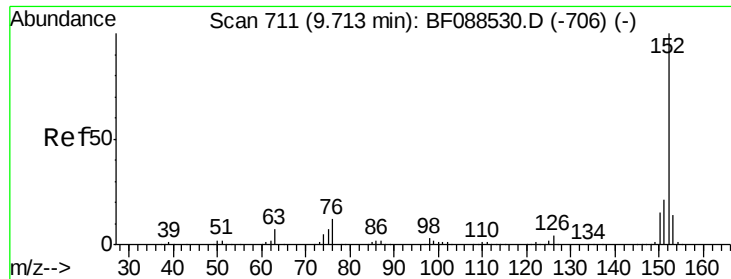
#47
 2-Nitroaniline
 Concen: 0.30 ng
 RT: 9.46 min Scan# 689
 Delta R.T. 0.17 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Tgt Ion: 65 Resp: 636
 Ion Ratio Lower Upper
 65 100
 92 942.9 54.6 82.0#
 138 0.0 77.0 115.4#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.21 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

C3-09

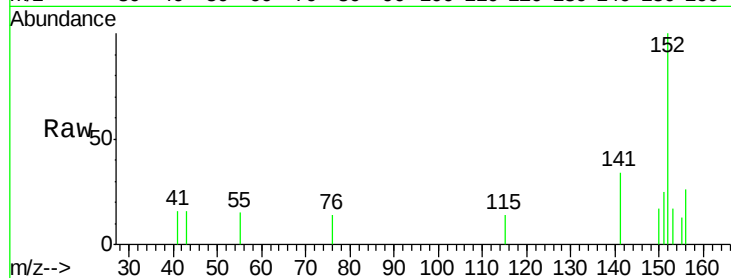
Tgt Ion:152 Resp: 2009

Ion Ratio Lower Upper

152 100

151 24.5 16.2 24.4#

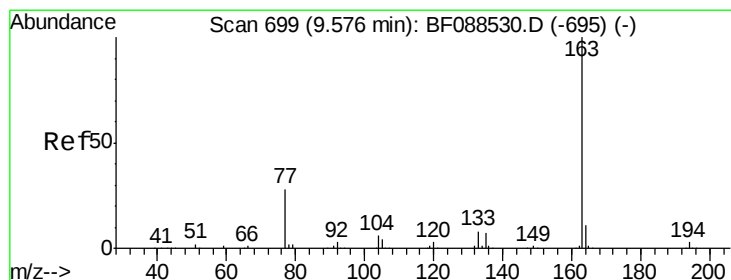
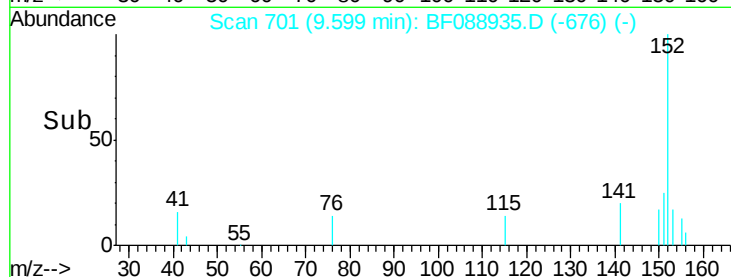
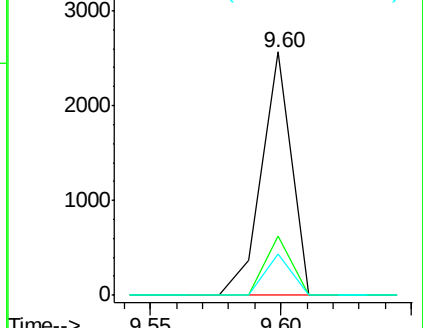
153 17.1 11.0 16.6#



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: 9.78 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

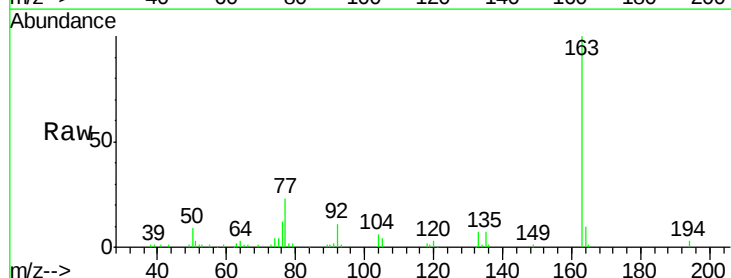
Tgt Ion:163 Resp: 63570

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

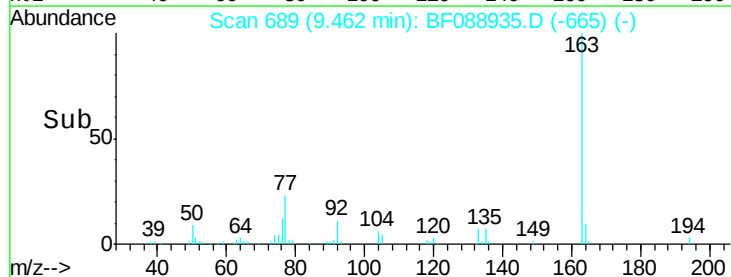
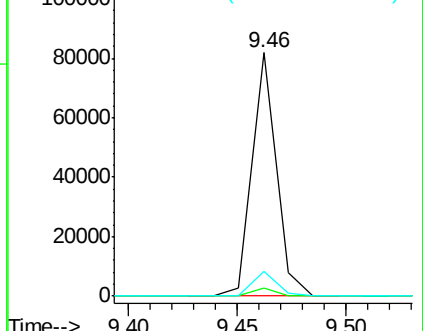
164 9.9 8.3 12.5

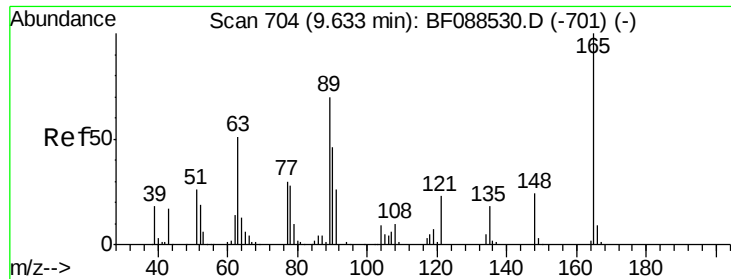


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

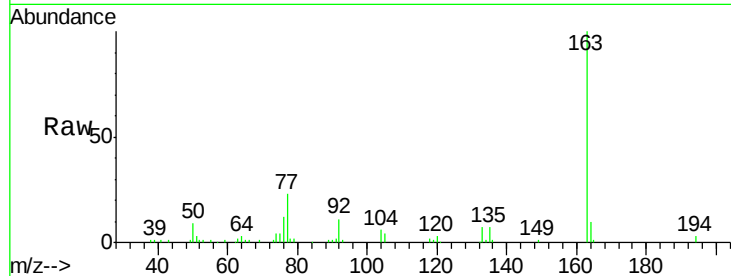




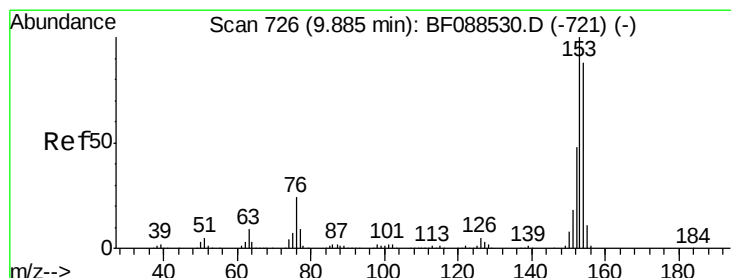
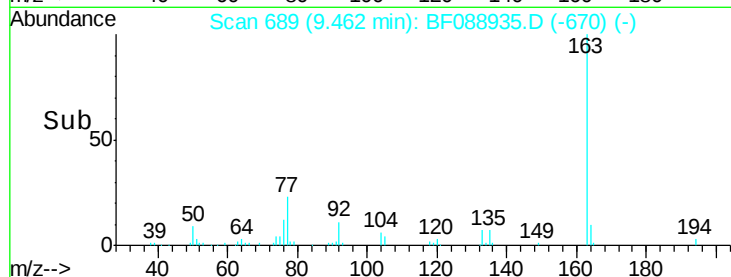
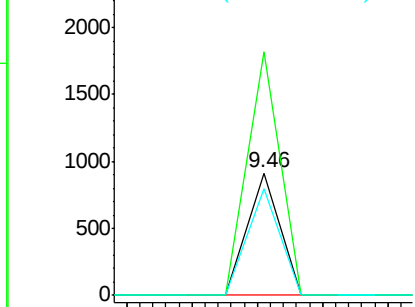
#50
2,6-Dinitrotoluene
Concen: 0.43 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.08 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Instrument :
BNA_F
ClientSampleId :
C3-09

Tgt Ion:165 Resp: 625
Ion Ratio Lower Upper
165 100
63 199.6 28.1 42.1#
89 87.2 32.2 48.2#

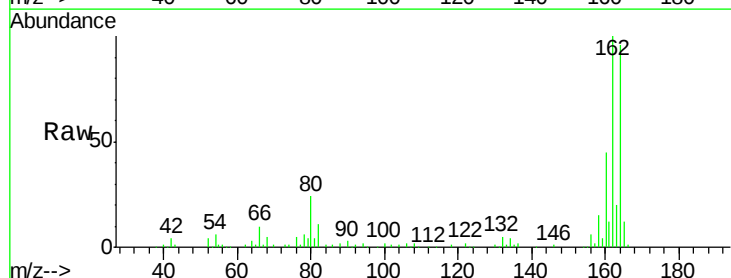


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

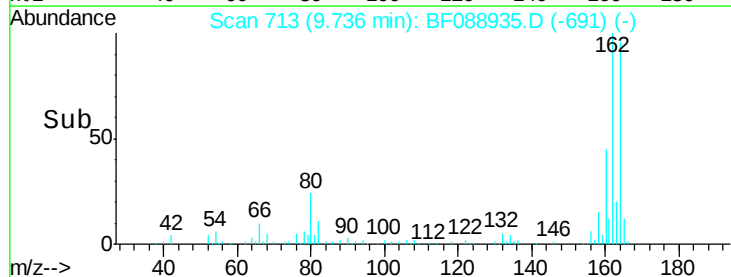
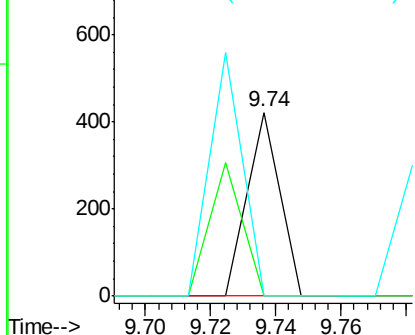


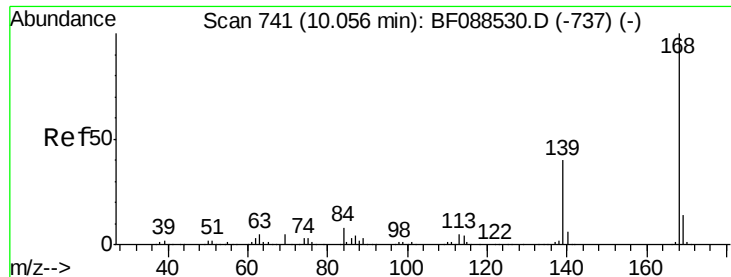
#51
Acenaphthene
Concen: 0.05 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.05 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Tgt Ion:154 Resp: 289
Ion Ratio Lower Upper
154 100
153 0.0 89.5 134.3#
152 0.0 42.7 64.1#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

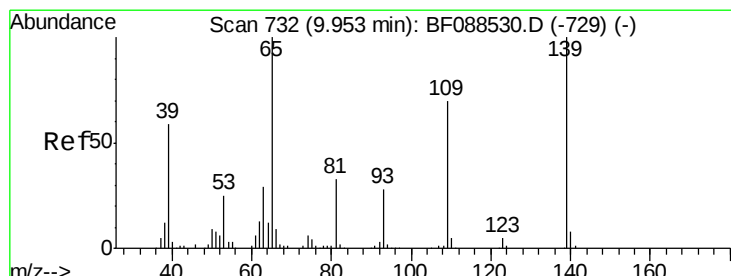
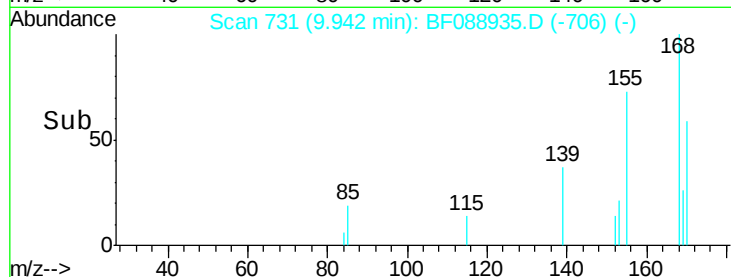
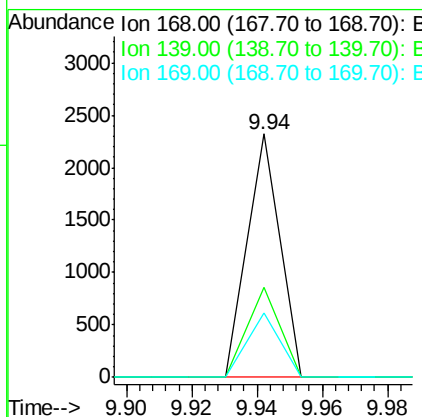
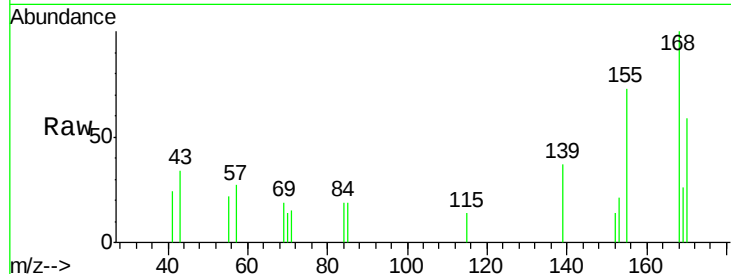




#54
Diben-zofuran
Concen: 0.21 ng
RT: 9.94 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

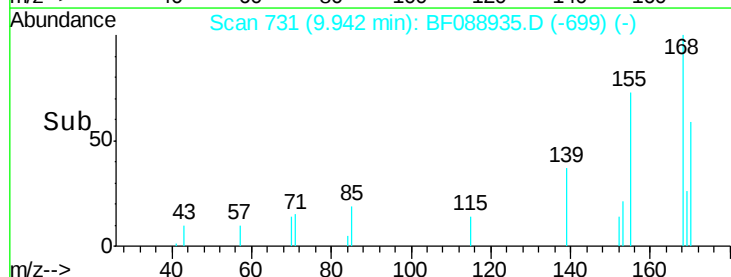
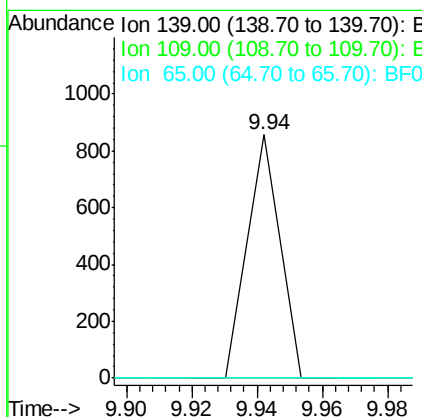
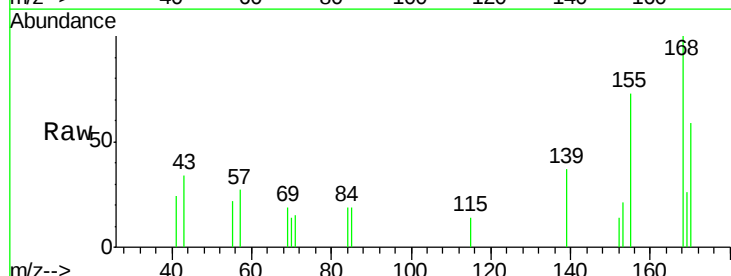
Instrument :
BNA_F
ClientSampleId :
C3-09

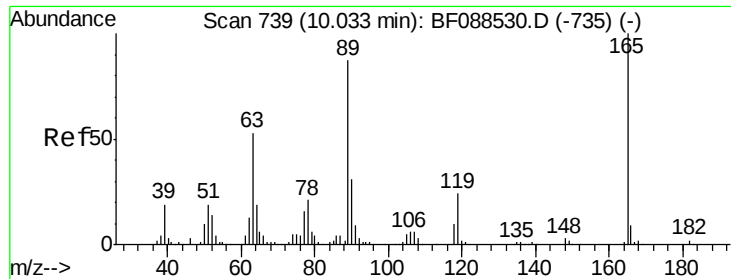
Tgt Ion:168 Resp: 1593
Ion Ratio Lower Upper
168 100
139 36.9 26.4 39.6
169 26.3 10.4 15.6#



#55
4-Nitrophenol
Concen: 0.42 ng
RT: 9.94 min Scan# 731
Delta R.T. 0.07 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Tgt Ion:139 Resp: 588
Ion Ratio Lower Upper
139 100
109 0.0 48.9 88.9#
65 0.0 84.9 124.9#





#56

2,4-Dinitrotoluene

Concen: 6.24 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.21 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

C3-09

Tgt Ion:165 Resp: 11742

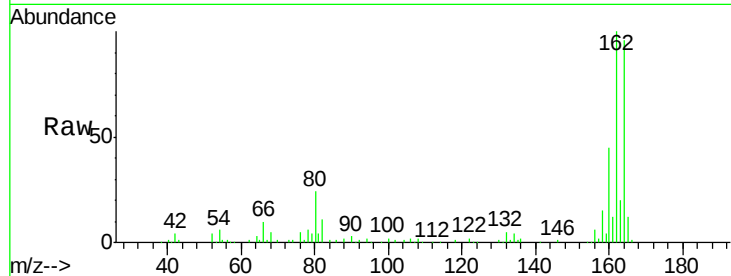
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

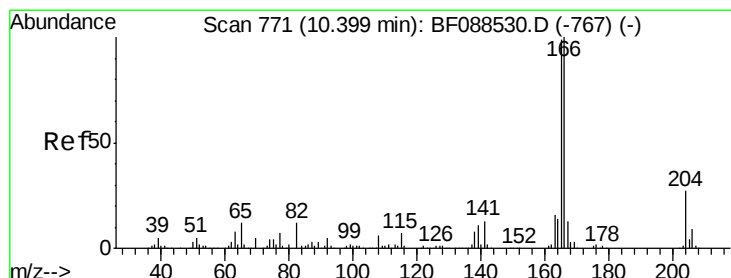
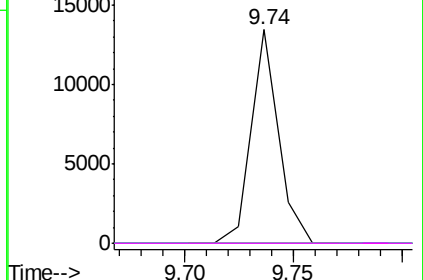
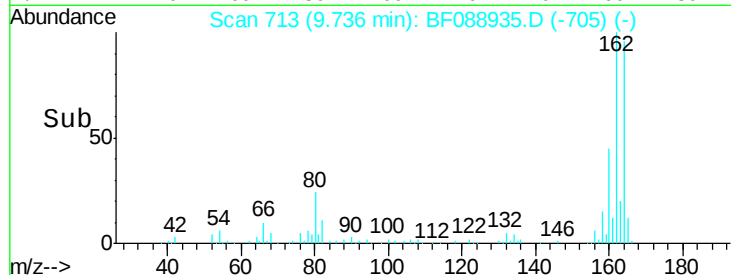


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.04 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

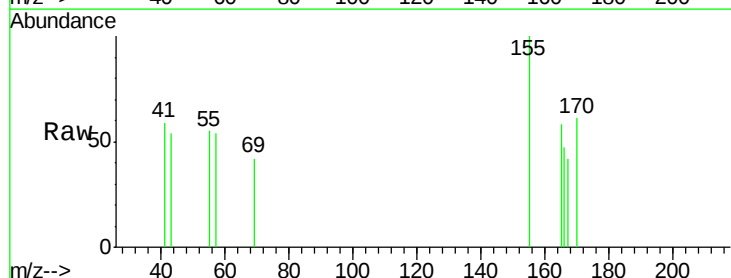
Tgt Ion:166 Resp: 250

Ion Ratio Lower Upper

166 100

165 124.4 77.8 116.8#

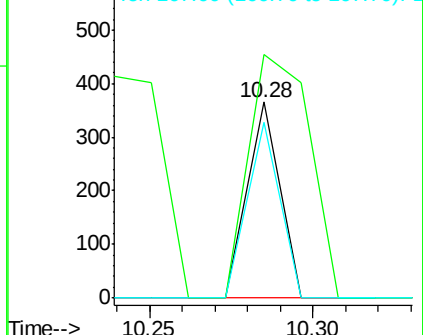
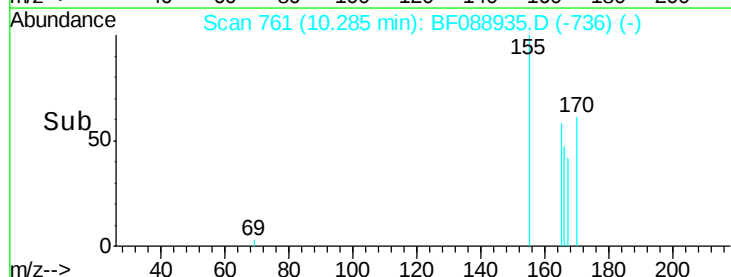
167 89.6 11.2 16.8#

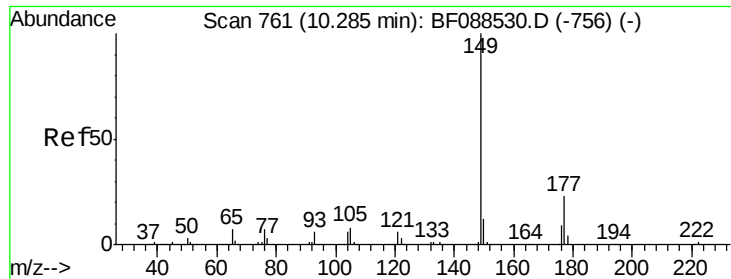


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

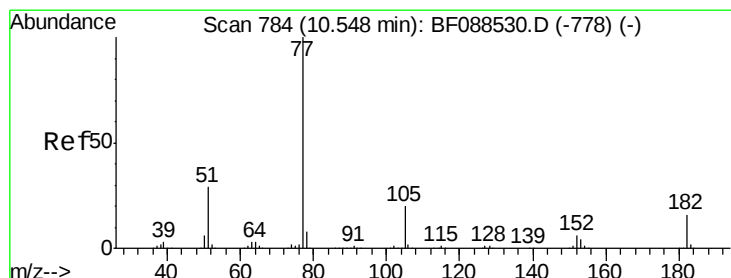
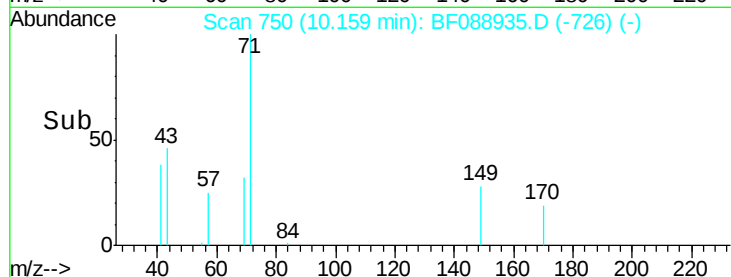
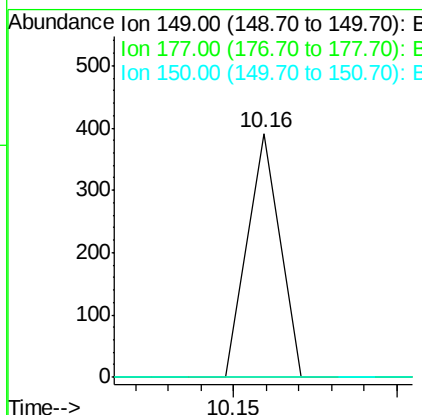
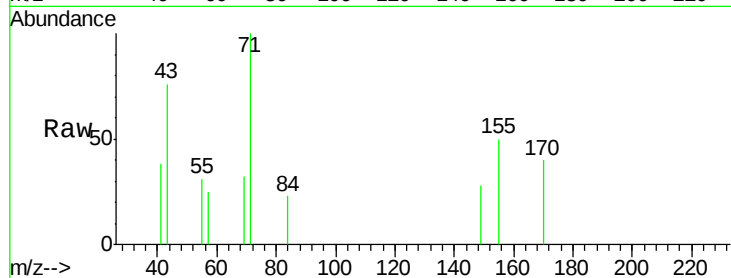




#59
Diethylphthalate
Concen: 0.04 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

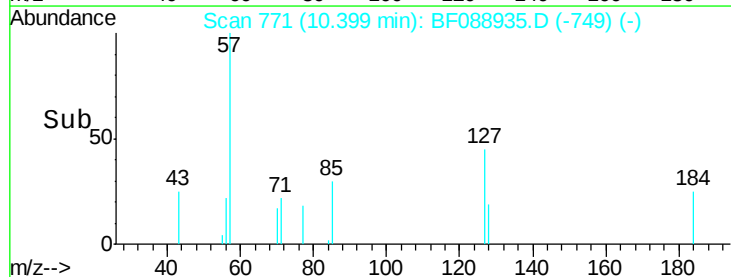
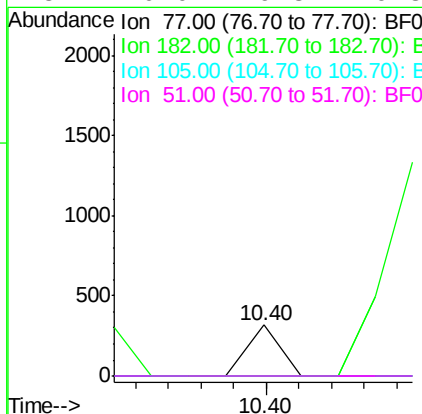
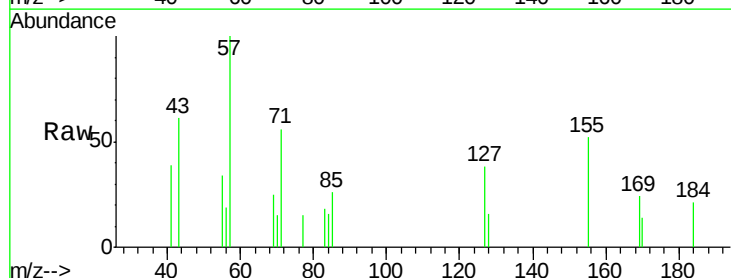
Instrument :
BNA_F
ClientSampleId :
C3-09

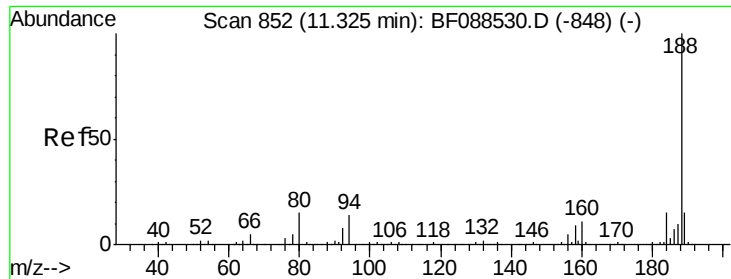
Tgt Ion: 149 Resp: 268
Ion Ratio Lower Upper
149 100
177 0.0 16.9 25.3#
150 0.0 10.1 15.1#



#62
Azobenzene
Concen: 0.03 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.05 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Tgt Ion: 77 Resp: 219
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 0.0 3.8 43.8#
51 0.0 9.3 49.3#

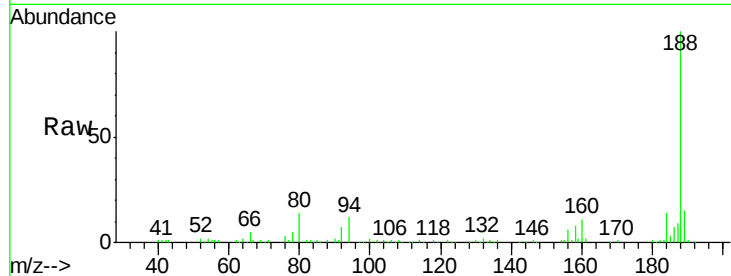




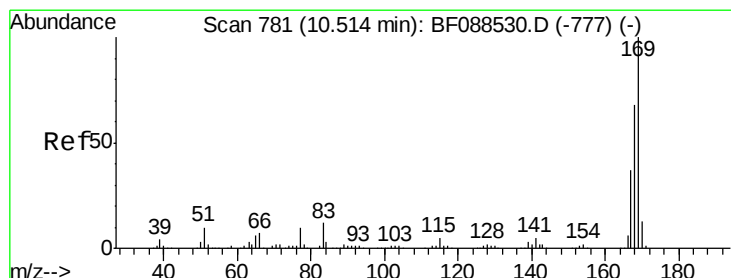
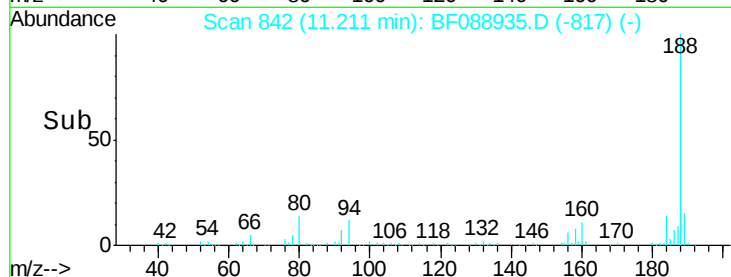
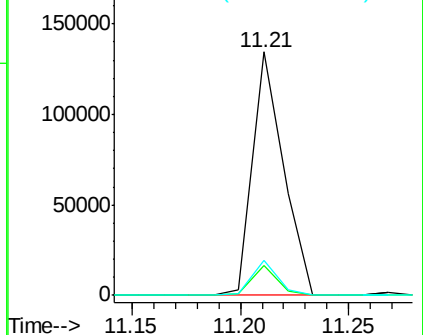
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Instrument :
BNA_F
ClientSampleId :
C3-09

Tgt Ion:188 Resp: 133465
Ion Ratio Lower Upper
188 100
94 12.3 9.0 13.6
80 14.1 10.0 15.0

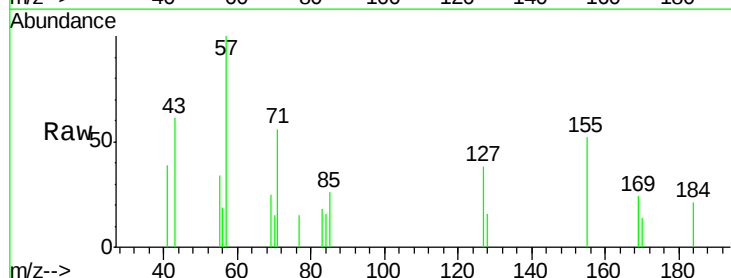


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

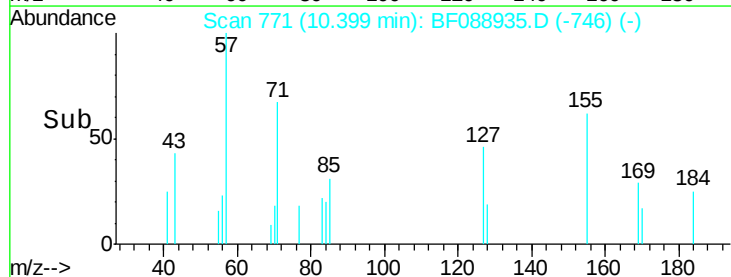
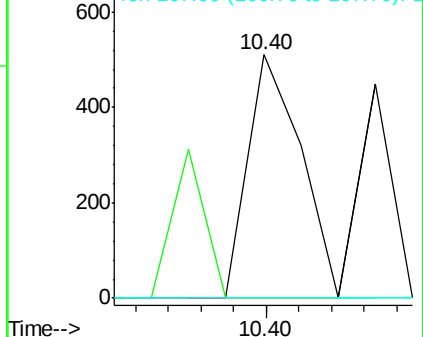


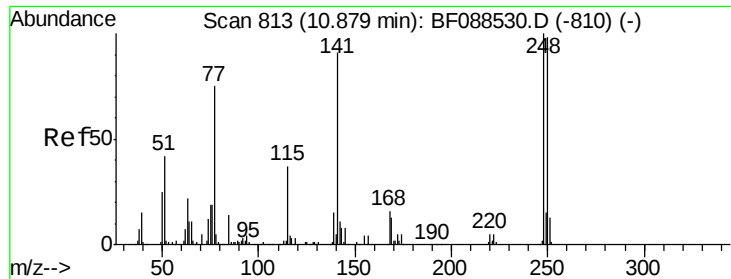
#65
n-Nitrosodiphenylamine
Concen: 0.13 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Tgt Ion:169 Resp: 571
Ion Ratio Lower Upper
169 100
168 0.0 53.4 80.0#
167 0.0 29.4 44.0#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

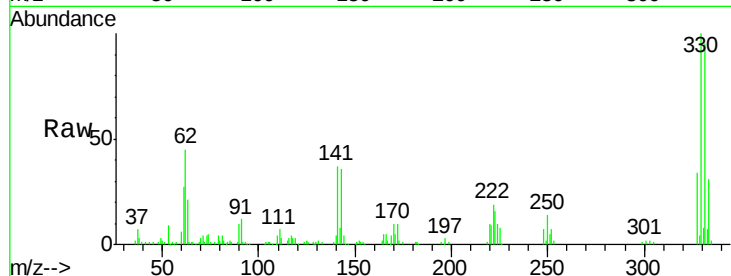




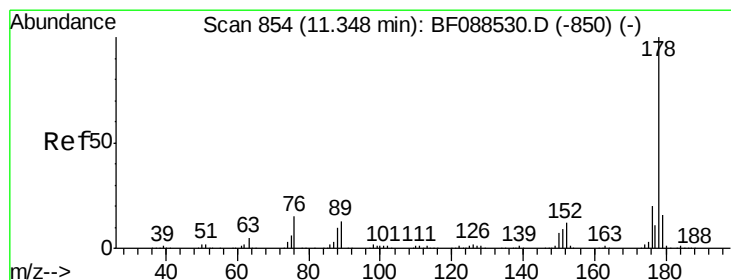
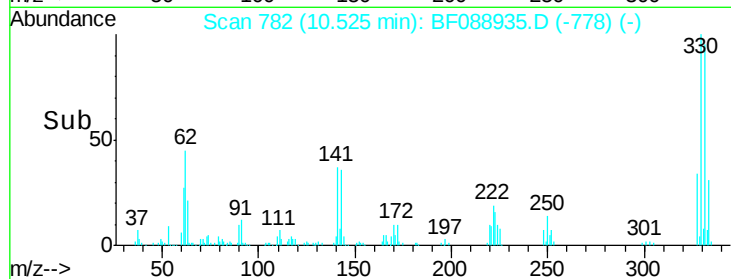
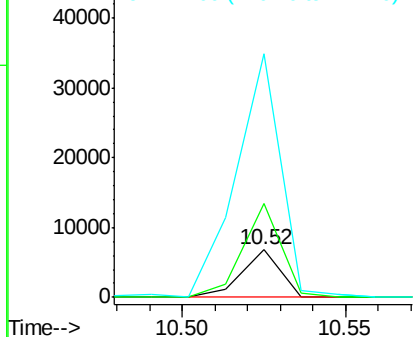
#66
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.52 min Scan# 782
Delta R.T. -0.25 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Instrument :
BNA_F
ClientSampleId :
C3-09

Tgt Ion:248 Resp: 5434
Ion Ratio Lower Upper
248 100
250 195.5 77.1 115.7#
141 510.1 50.6 76.0#

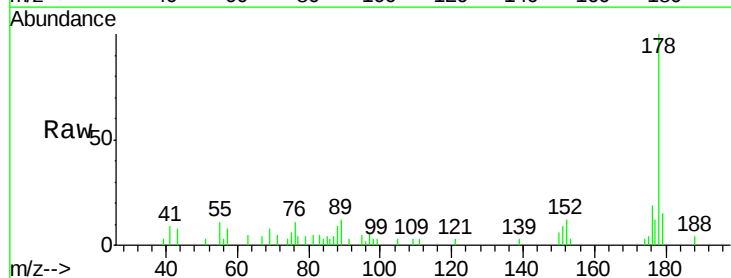


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

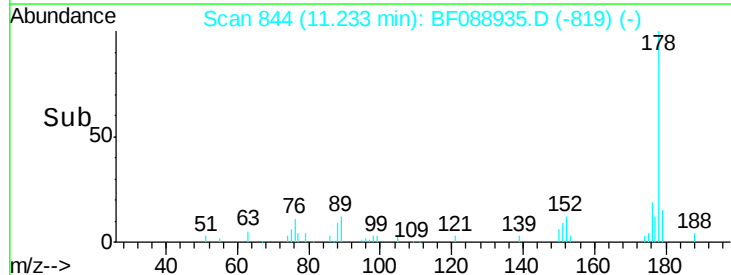
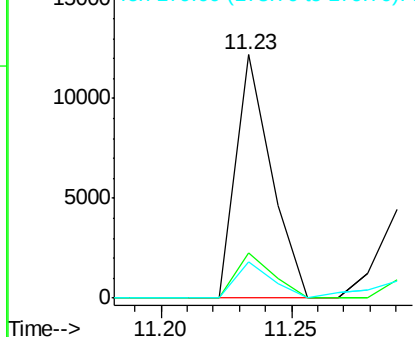


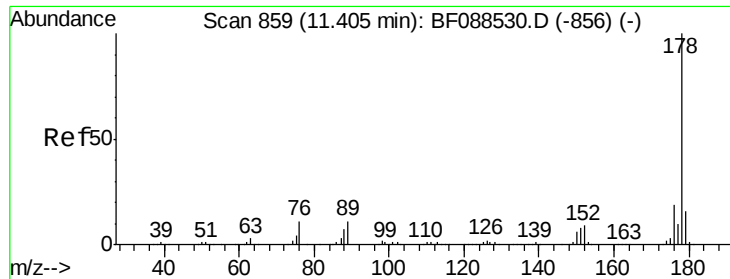
#70
Phenanthrene
Concen: 1.58 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Tgt Ion:178 Resp: 11523
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 14.7 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

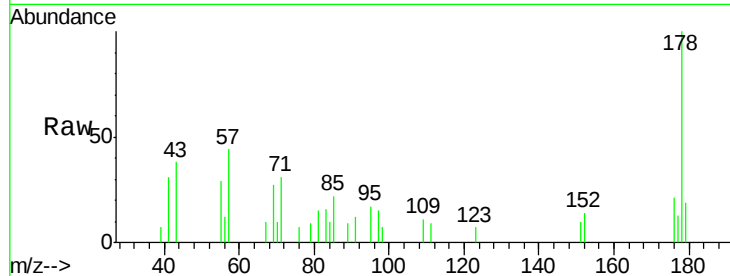




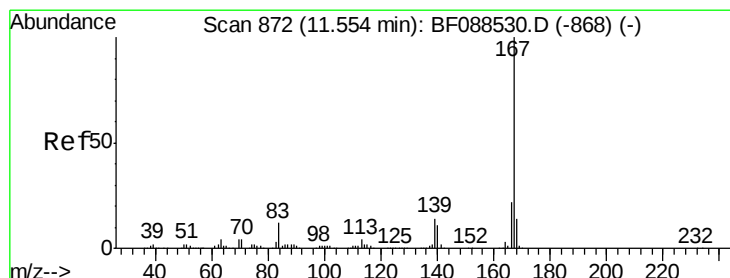
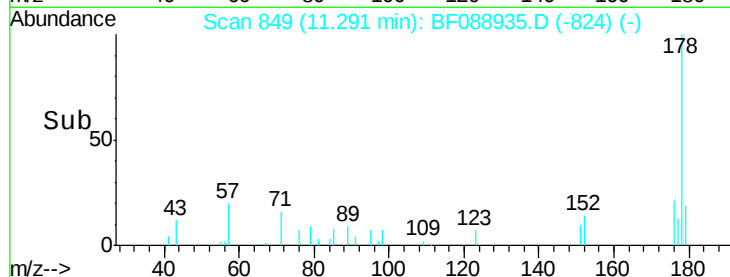
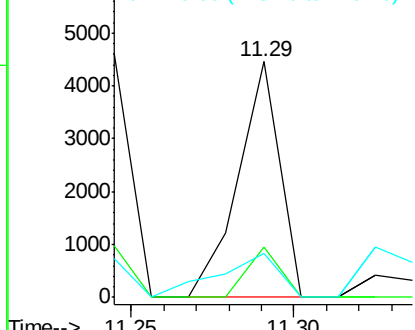
#71
 Anthracene
 Concen: 0.54 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Instrument :
 BNA_F
 ClientSampleId :
 C3-09

Tgt Ion:178 Resp: 3886
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.6 23.4
 179 18.6 12.8 19.2

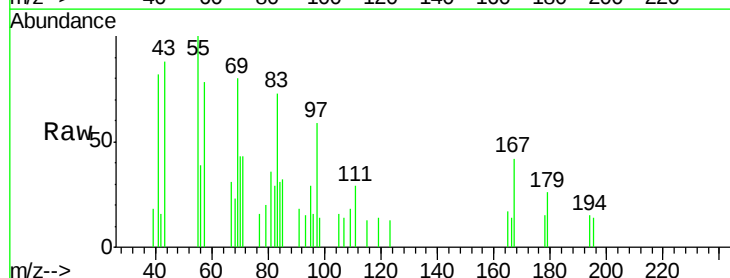


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

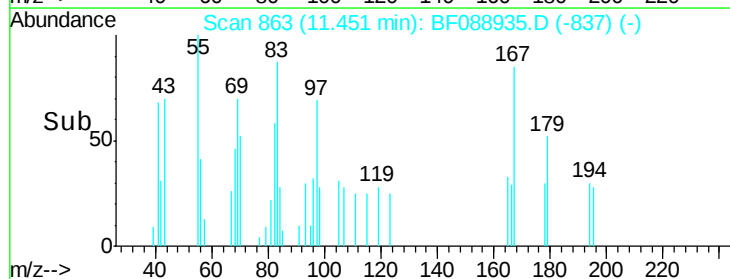
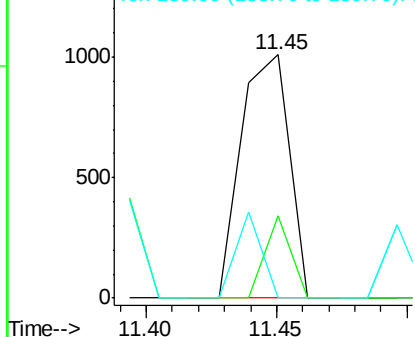


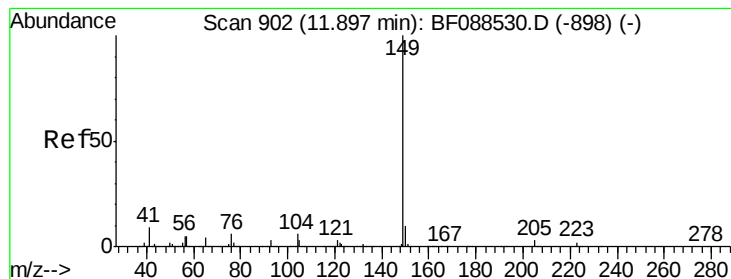
#72
 Carbazole
 Concen: 0.19 ng
 RT: 11.45 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Tgt Ion:167 Resp: 1306
 Ion Ratio Lower Upper
 167 100
 166 34.0 17.8 26.6#
 139 0.0 11.2 16.8#



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.32 ng

RT: 11.78 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

C3-09

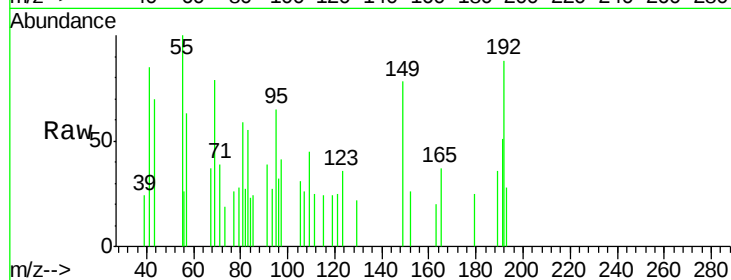
Tgt Ion:149 Resp: 2508

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

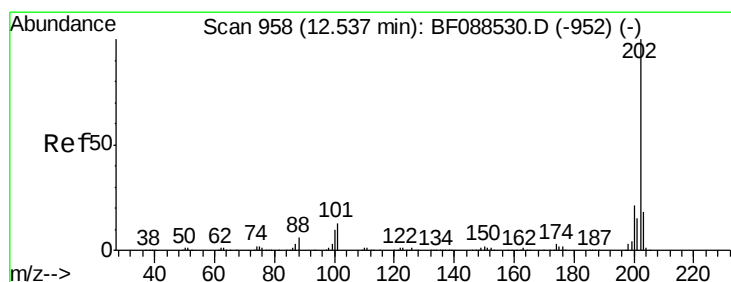
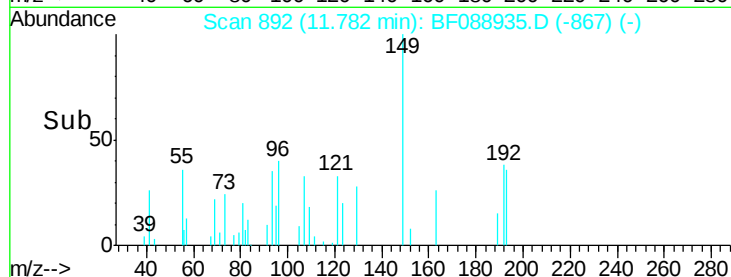
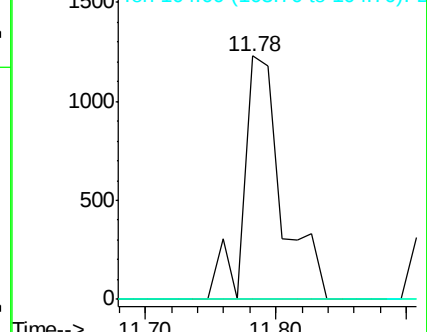
104 0.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 1.24 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

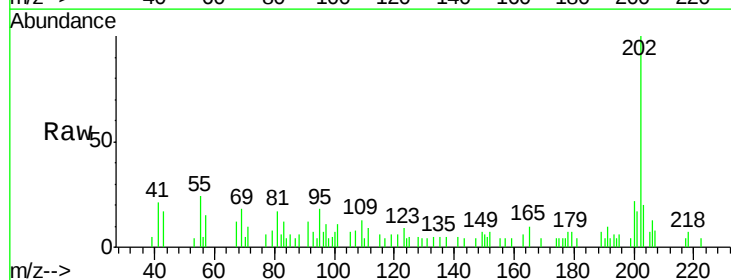
Tgt Ion:202 Resp: 9176

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.1

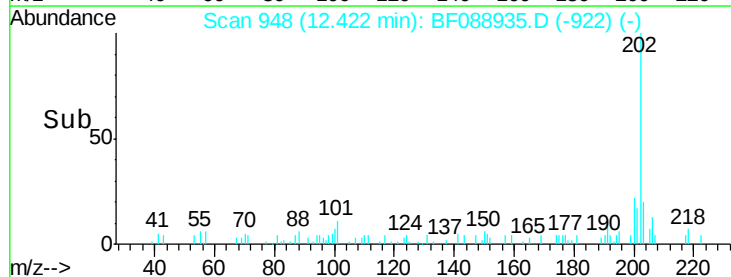
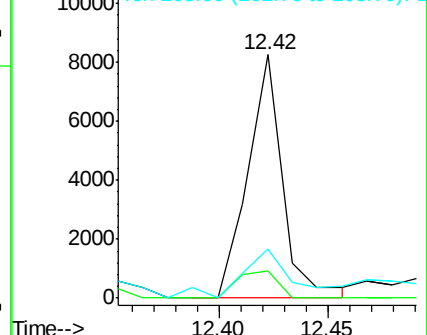
203 20.1 0.0 38.1

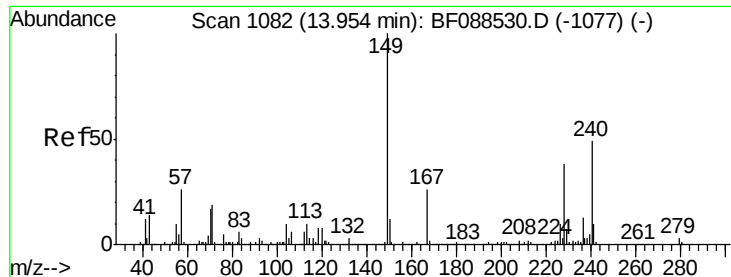


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

C3-09

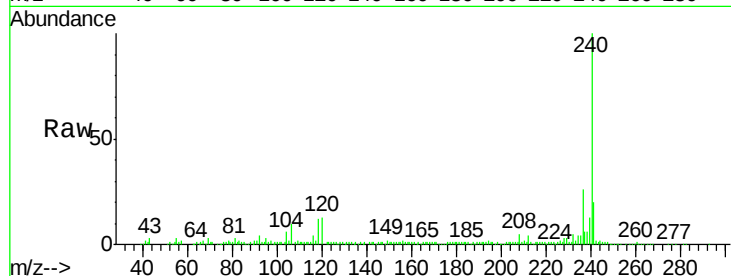
Tgt Ion:240 Resp: 125964

Ion Ratio Lower Upper

240 100

120 12.7 6.8 10.2#

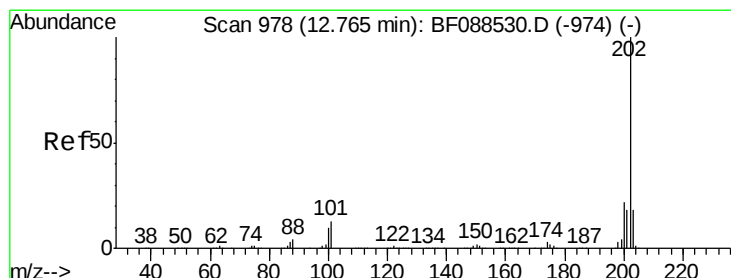
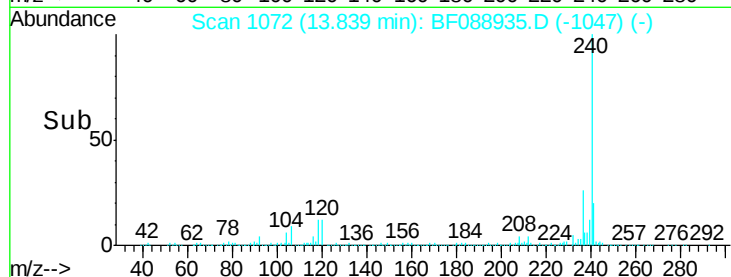
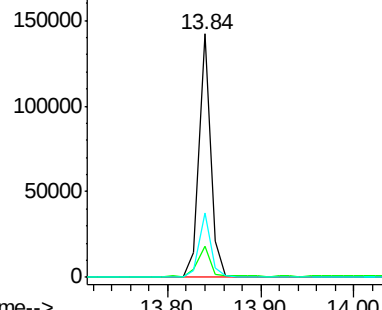
236 26.2 20.2 30.2



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: 1.75 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

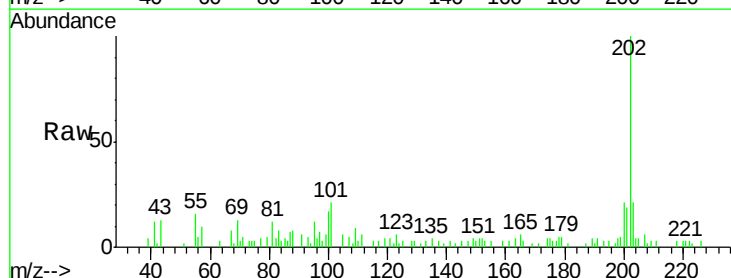
Tgt Ion:202 Resp: 18731

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

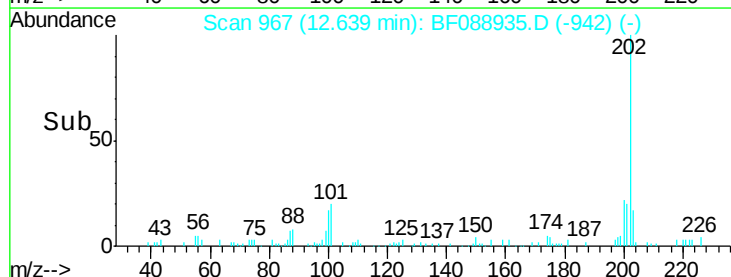
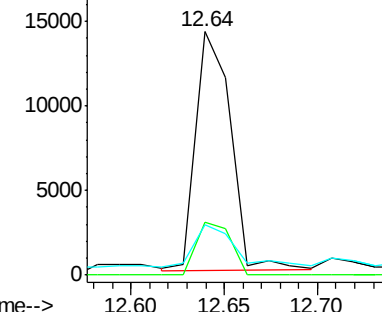
203 20.6 14.5 21.7

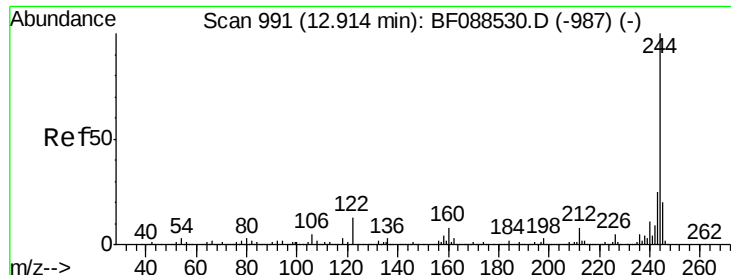


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

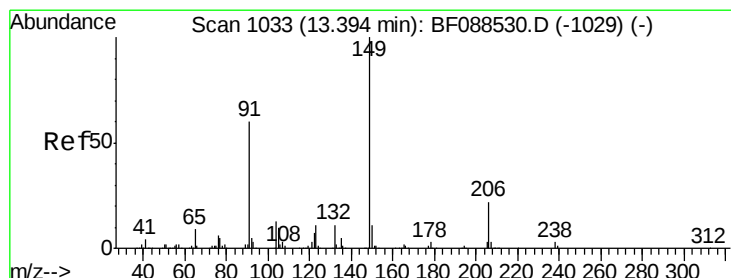
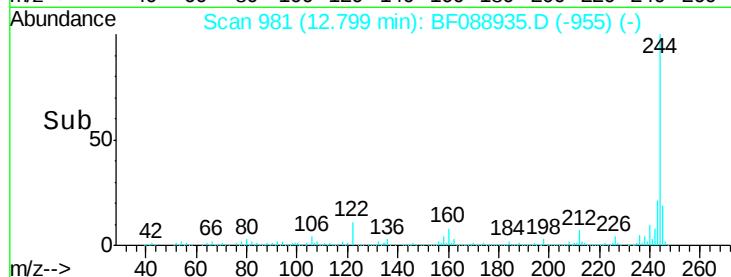
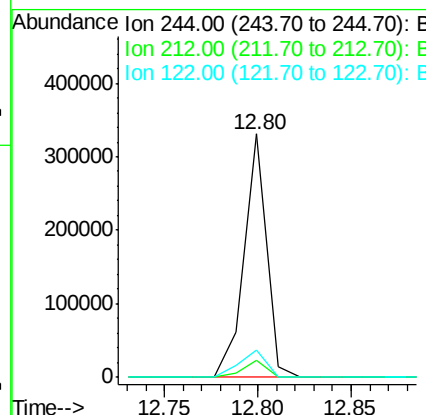
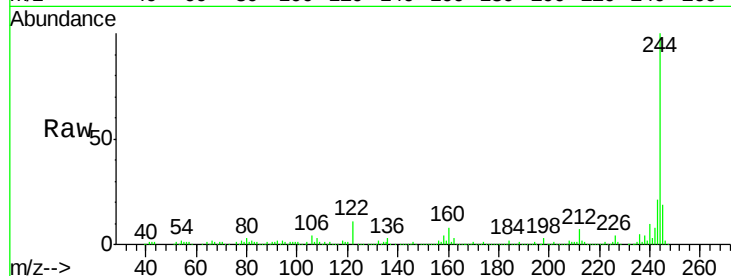




#78
 Terphenyl-d14
 Concen: 49.61 ng
 RT: 12.80 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

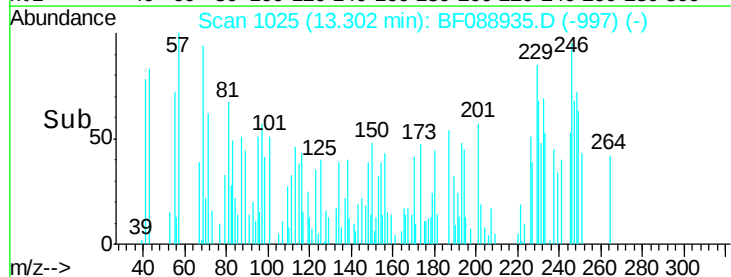
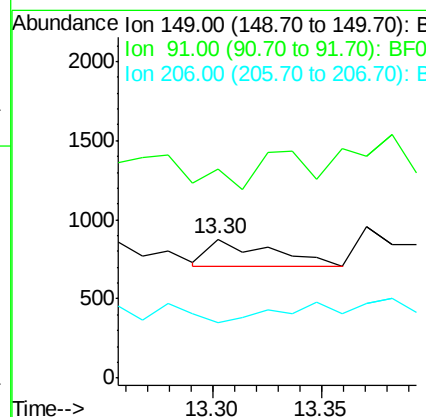
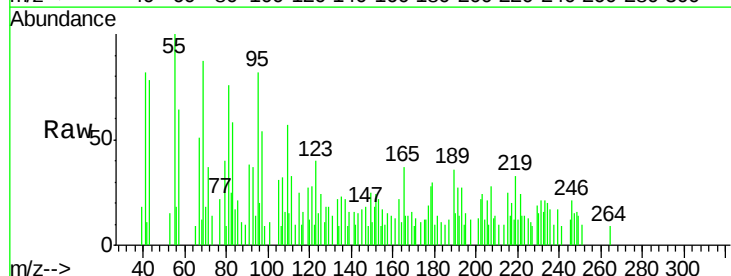
Instrument :
 BNA_F
 ClientSampleId :
 C3-09

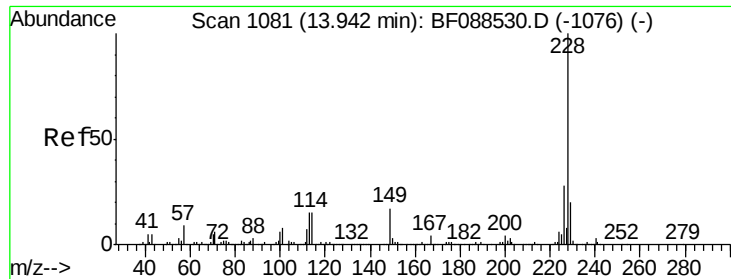
Tgt Ion: 244 Resp: 280585
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 11.4 11.2 16.8



#79
 Butylbenzylphthalate
 Concen: 0.07 ng
 RT: 13.30 min Scan# 1025
 Delta R.T. 0.02 min
 Lab File: BF088935.D
 Acq: 12 Jul 2016 22:57

Tgt Ion: 149 Resp: 337
 Ion Ratio Lower Upper
 149 100
 91 150.7 48.0 72.0#
 206 39.7 16.0 24.0#





#80

Benzo(a)anthracene

Concen: 3.33 ng

RT: 13.86 min Scan# 1074

Delta R.T. 0.02 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

C3-09

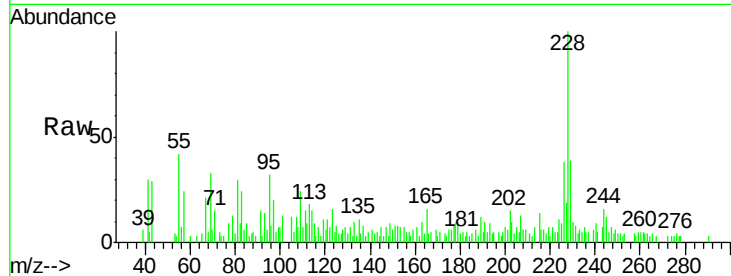
Tgt Ion:228 Resp: 26992

Ion Ratio Lower Upper

228 100

226 38.4 22.3 33.5#

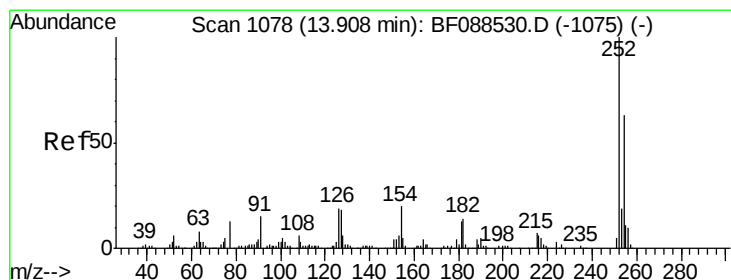
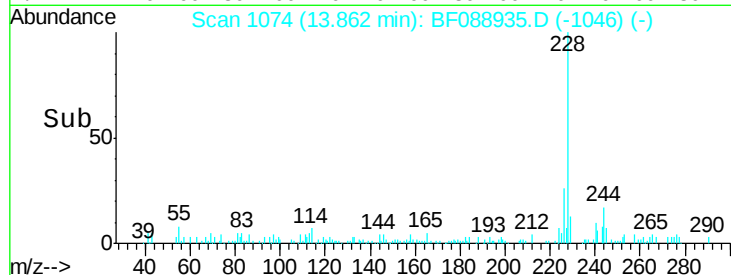
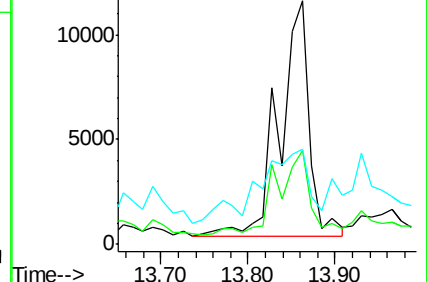
229 38.9 16.0 24.0#



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



#81

3,3'-Dichlorobenzidine

Concen: 0.57 ng

RT: 13.81 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

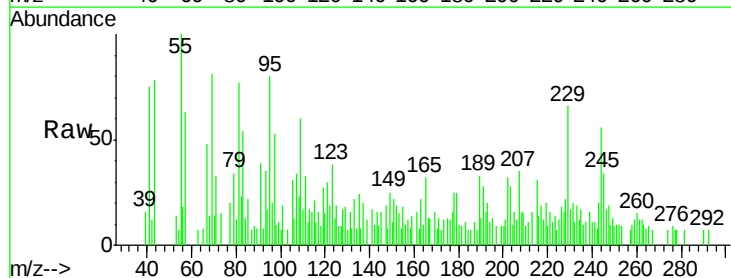
Tgt Ion:252 Resp: 1727

Ion Ratio Lower Upper

252 100

254 0.0 52.6 78.8#

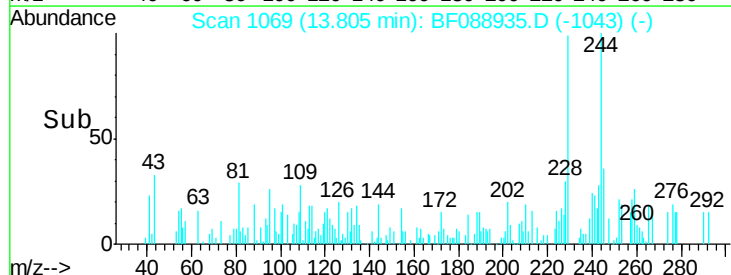
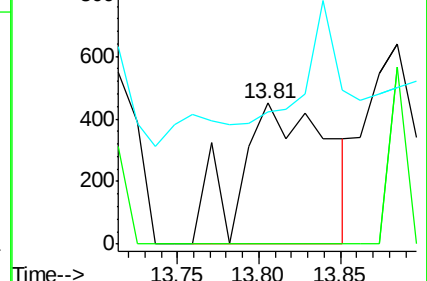
126 93.6 6.2 9.2#

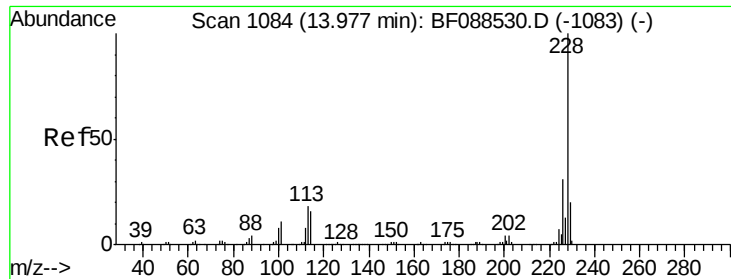


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 3.36 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

C3-09

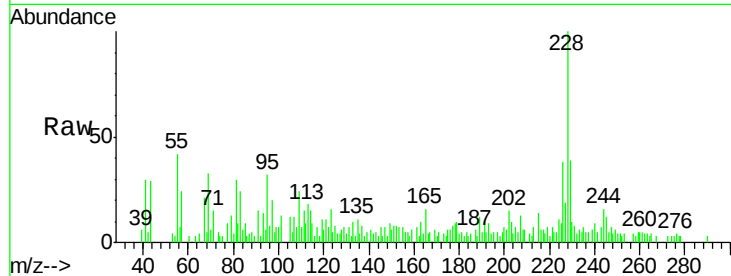
Tgt Ion:228 Resp: 26992

Ion Ratio Lower Upper

228 100

226 38.4 25.4 38.2#

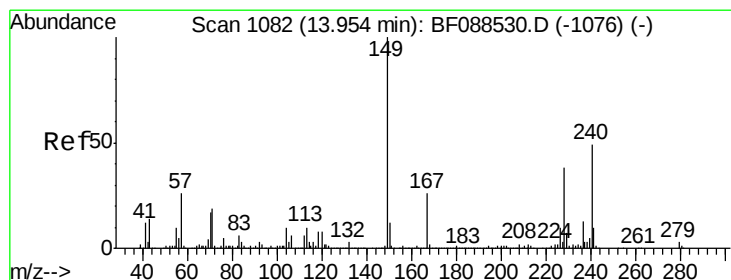
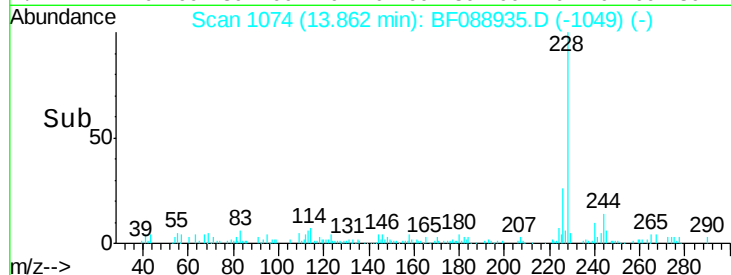
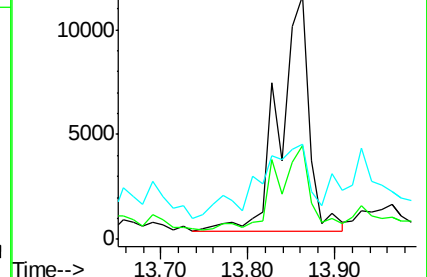
229 38.9 16.3 24.5#



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: 0.27 ng

RT: 13.84 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

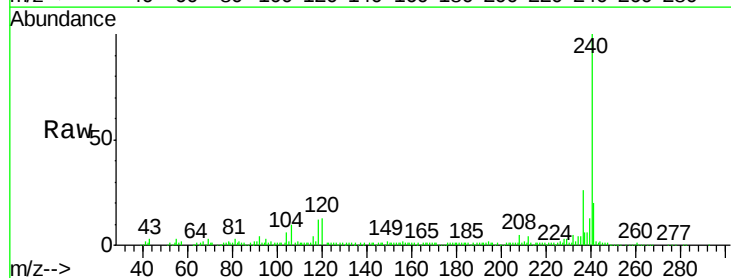
Tgt Ion:149 Resp: 1448

Ion Ratio Lower Upper

149 100

167 35.6 20.5 30.7#

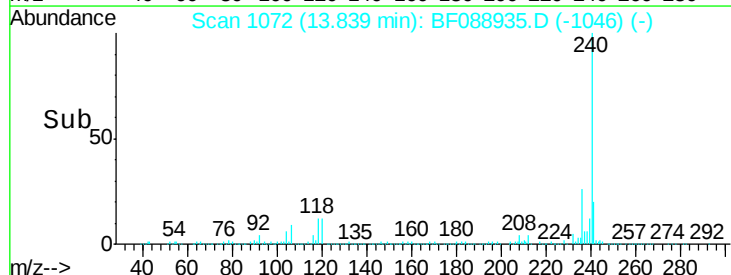
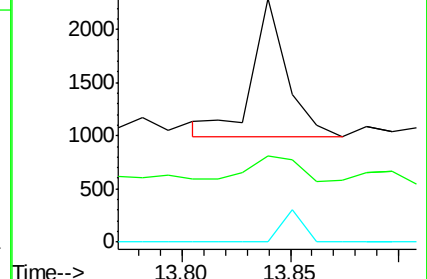
279 0.0 2.0 3.0#

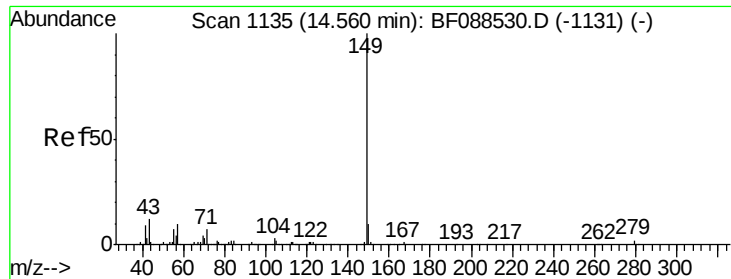


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

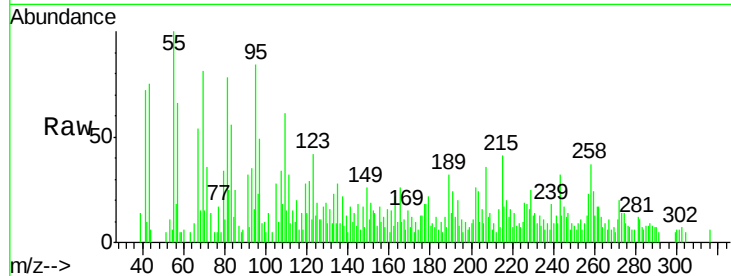




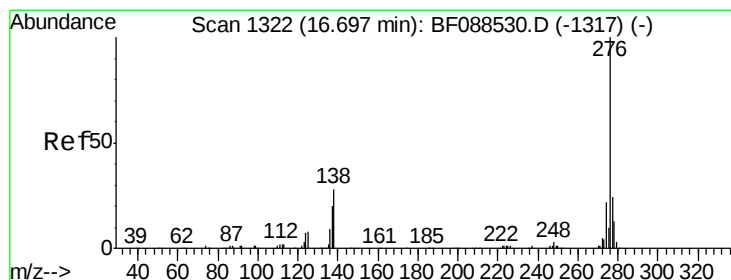
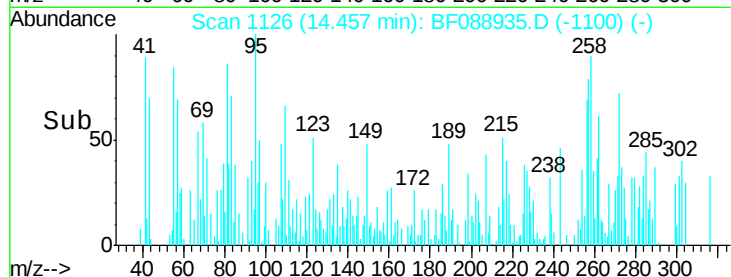
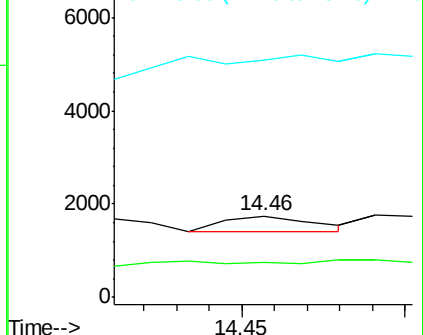
#84
Di-n-octyl phthalate
Concen: 0.07 ng
RT: 14.46 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Instrument :
BNA_F
ClientSampleId :
C3-09

Tgt Ion:149 Resp: 666
Ion Ratio Lower Upper
149 100
167 0.0 0.0 0.0
43 242.8 0.0 0.0#

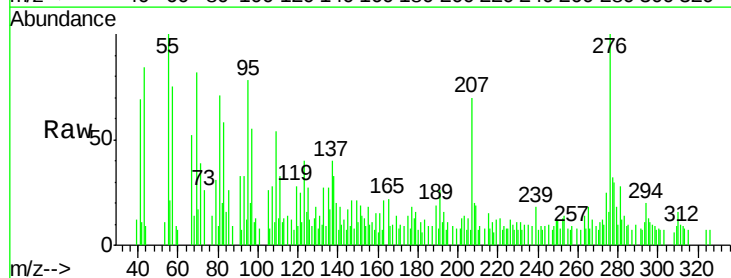


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

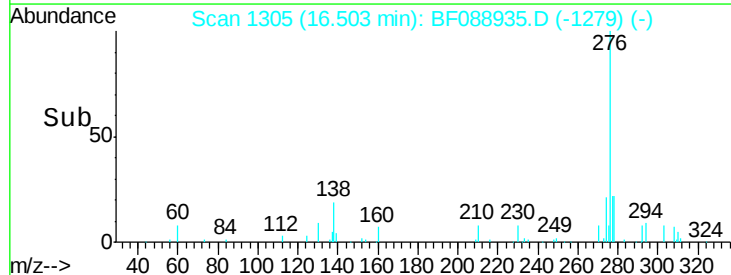
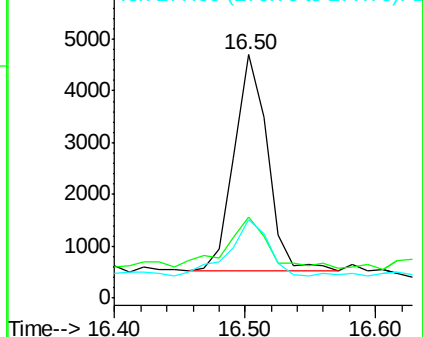


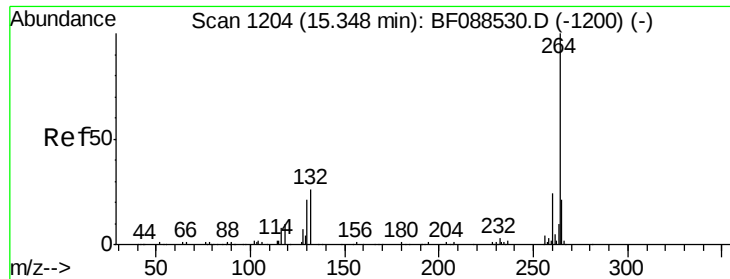
#85
Indeno(1,2,3-cd)pyrene
Concen: 1.20 ng
RT: 16.50 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

Tgt Ion:276 Resp: 7435
Ion Ratio Lower Upper
276 100
138 28.6 0.0 0.0#
277 30.0 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



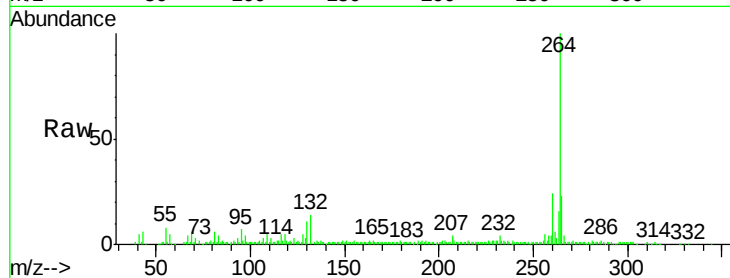


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

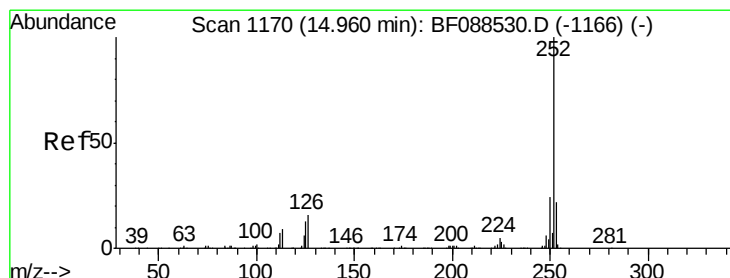
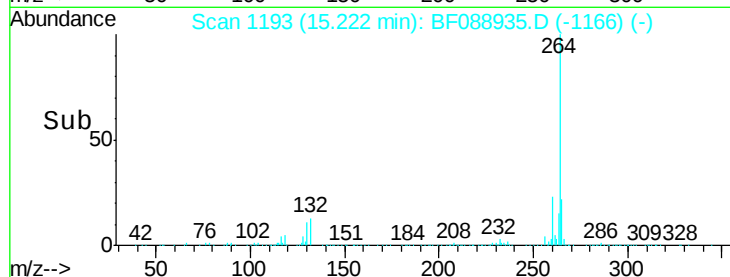
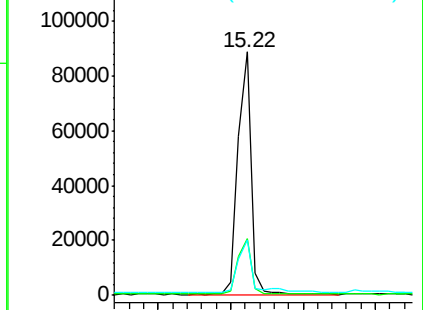
Instrument :
BNA_F
ClientSampleId :
C3-09

Tgt Ion: 264 Resp: 111379

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.7	16.9	25.3



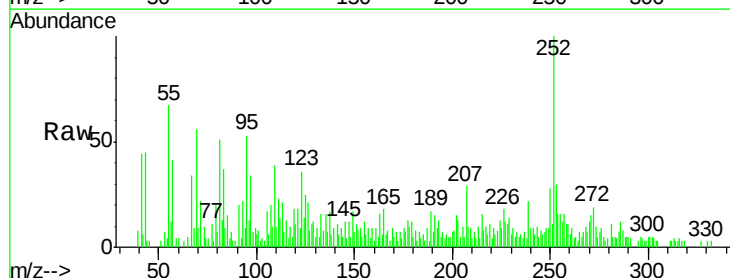
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



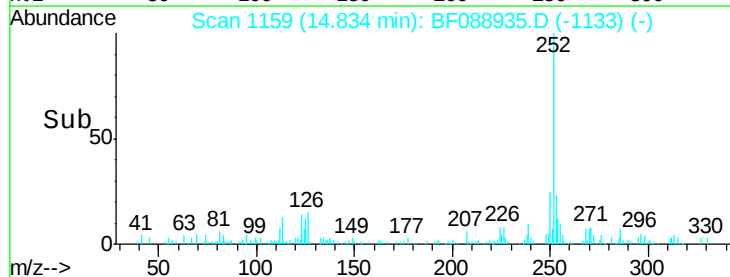
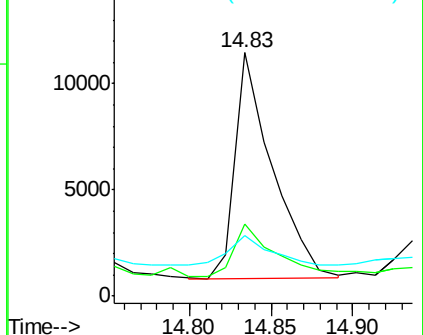
#87
Benzo(b)fluoranthene
Concen: 2.40 ng
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088935.D
Acq: 12 Jul 2016 22:57

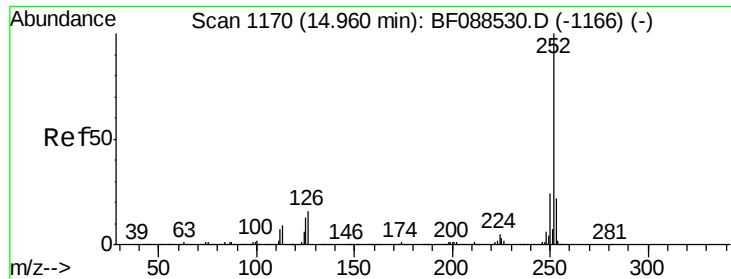
Tgt Ion: 252 Resp: 16773

Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.4	26.2#
125	24.7	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: 2.77 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

C3-09

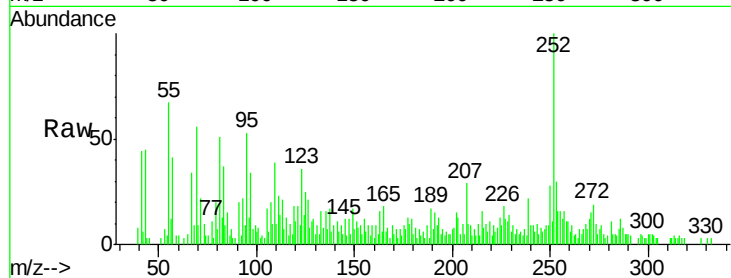
Tgt Ion:252 Resp: 16842

Ion Ratio Lower Upper

252 100

253 29.5 18.0 27.0#

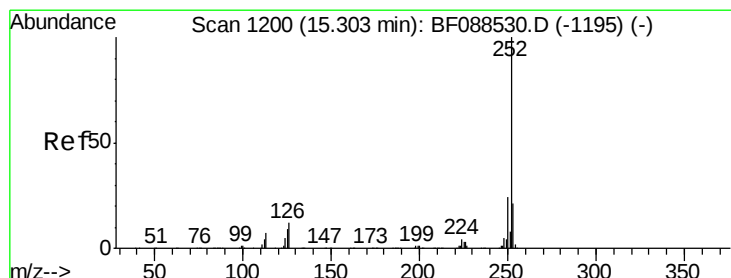
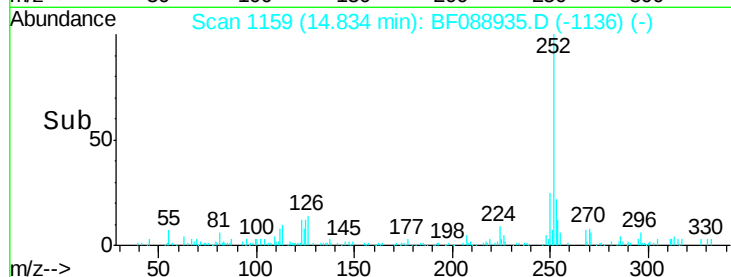
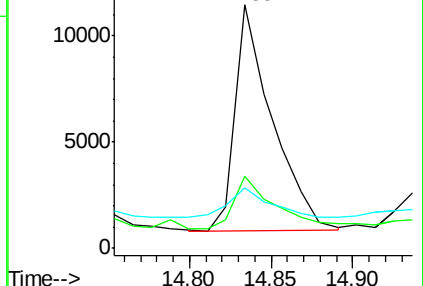
125 24.7 11.2 16.8#



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: 5.49 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

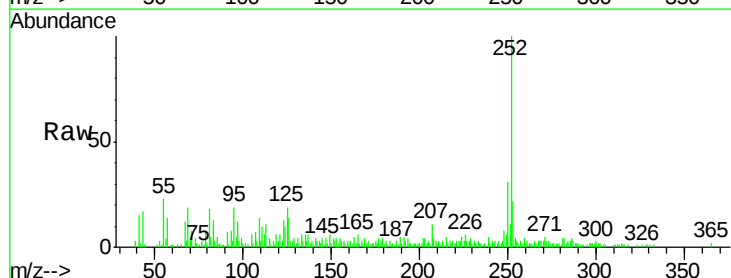
Tgt Ion:252 Resp: 32476

Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

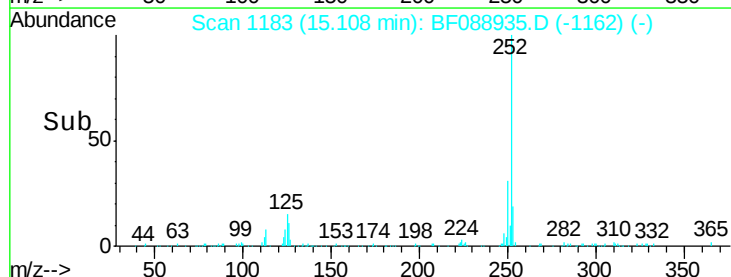
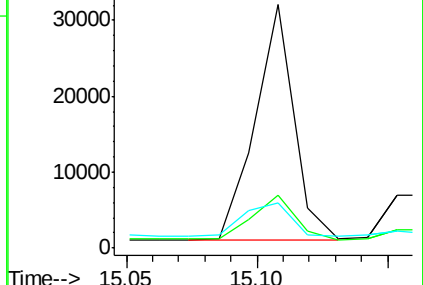
125 18.5 12.5 18.7

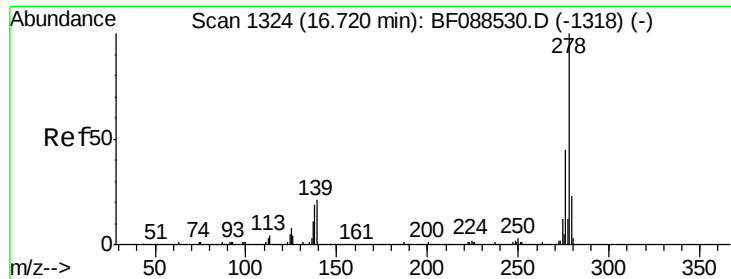


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.69 ng

RT: 16.51 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

Instrument :

BNA_F

ClientSampled :

C3-09

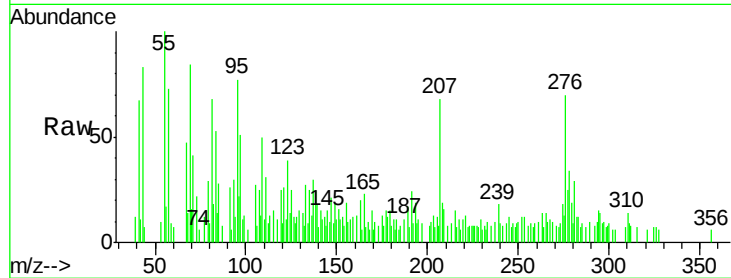
Tgt Ion:278 Resp: 3393

Ion Ratio Lower Upper

278 100

139 53.3 15.7 23.5#

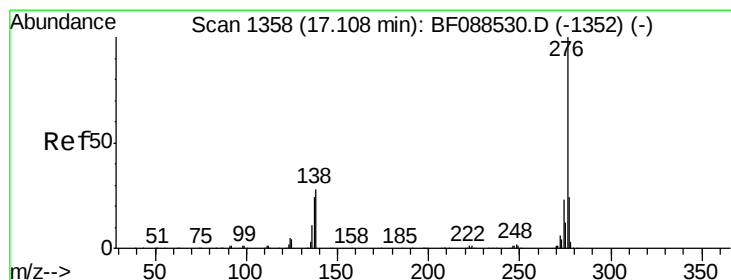
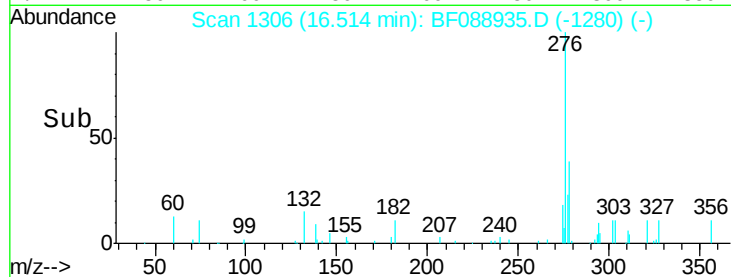
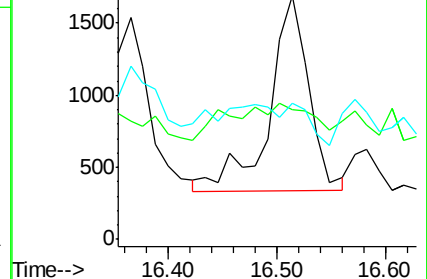
279 56.0 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.25 ng

RT: 16.89 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF088935.D

Acq: 12 Jul 2016 22:57

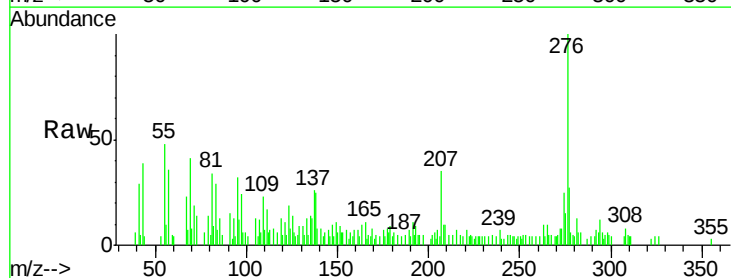
Tgt Ion:276 Resp: 16595

Ion Ratio Lower Upper

276 100

277 27.0 18.9 28.3

138 25.2 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

