

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071216\
 Data File : BF088934.D
 Acq On : 12 Jul 2016 22:27
 Operator : UM/SJ
 Sample : H3934-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2.3-01

Quant Time: Jul 13 02:18:10 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	63534	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	234723	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	92510	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	137765	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	135059	20.00	ng	-0.01
86) Perylene-d12	15.21	264	117178	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	436314	102.92	ng	0.01
7) Phenol-d6	6.35	99	563247	102.83	ng	0.00
23) Nitrobenzene-d5	7.27	82	330930	73.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	84852	98.77	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	601875	102.77	ng	0.00
78) Terphenyl-d14	12.80	244	339558	56.00	ng	0.00

Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.87	42	664	0.28	ng	# 1
6) Aniline	6.48	93	877	0.11	ng	# 1
9) Benzaldehyde	6.24	77	777	0.21	ng	# 81
10) Phenol	6.36	94	4205	0.67	ng	# 1
11) bis(2-Chloroethyl)ether	6.48	93	877	0.19	ng	# 1
15) Benzyl Alcohol	6.86	79	6327	1.57	ng	# 46
19) n-Nitroso-di-n-propylamine	7.27	70	45140	12.27	ng	# 75
22) Acetophenone	7.11	105	679	0.12	ng	# 57
24) Nitrobenzene	7.27	77	1178	0.26	ng	# 26
25) Isophorone	7.27	82	279009	33.63	ng	# 65
31) Naphthalene	8.01	128	10656	0.92	ng	# 98
33) 4-Chloroaniline	8.01	127	1175	0.23	ng	# 30
36) 4-Chloro-3-methylphenol	8.62	107	215	0.06	ng	# 19
37) 2-Methylnaphthalene	8.71	142	4570	0.61	ng	# 92
45) 1,1'-Biphenyl	9.16	154	1035	0.14	ng	# 89
47) 2-Nitroaniline	9.46	65	949	0.44	ng	# 1
48) Acenaphthylene	9.60	152	10155	1.06	ng	# 99
49) Dimethylphthalate	9.46	163	89701	13.61	ng	# 99
50) 2,6-Dinitrotoluene	9.46	165	925	0.63	ng	# 1
51) Acenaphthene	9.77	154	377	0.06	ng	# 91
54) Dibenzofuran	9.94	168	2753	0.36	ng	# 78
55) 4-Nitrophenol	9.94	139	1096	0.78	ng	# 5
56) 2,4-Dinitrotoluene	9.74	165	12496	6.54	ng	# 38
57) Fluorene	10.28	166	410	0.07	ng	# 80
59) Diethylphthalate	10.16	149	322	0.05	ng	# 60
60) 4-Chlorophenyl-phenylether	10.44	204	238	0.09	ng	# 24
62) Azobenzene	10.43	77	473	0.06	ng	# 1
65) n-Nitrosodiphenylamine	10.40	169	486	0.10	ng	# 24
66) 4-Bromophenyl-phenylether	10.52	248	6131	4.42	ng	# 1
70) Phenanthrene	11.23	178	9659	1.28	ng	# 100
71) Anthracene	11.29	178	8647	1.15	ng	# 98
72) Carbazole	11.45	167	2358	0.33	ng	# 91
73) Di-n-butylphthalate	11.79	149	1970	0.24	ng	# 77
74) Fluoranthene	12.42	202	22589	2.96	ng	# 96

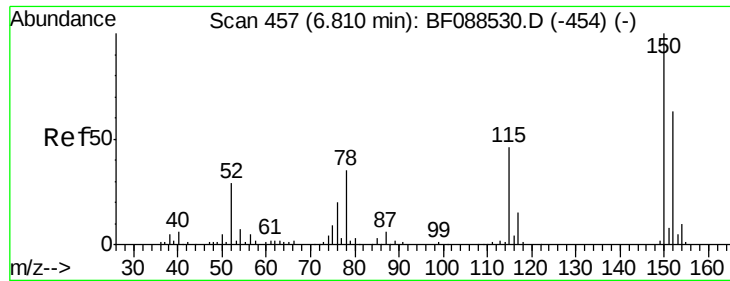
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071216\
 Data File : BF088934.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	12.64	202	24527	2.14	ng	98
79) Butylbenzylphthalate	13.28	149	611	0.12	ng	# 23
80) Benzo(a)anthracene	13.83	228	19587	2.25	ng	# 83
81) 3,3'-Dichlorobenzidine	13.89	252	248	0.08	ng	# 22
82) Chrysene	13.83	228	19587	2.28	ng	# 88
83) Bis(2-ethylhexyl)phthalate	13.84	149	2959	0.51	ng	# 81
84) Di-n-octyl phthalate	14.35	149	364	0.04	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.49	276	14135	2.14	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	59634	8.11	ng	# 96
88) Benzo(k)fluoranthene	14.83	252	59634	9.32	ng	99
89) Benzo(a)pyrene	15.15	252	20405	3.28	ng	97
90) Dibenzo(a,h)anthracene	16.50	278	4039	0.78	ng	# 82
91) Benzo(g,h,i)perylene	16.88	276	11928	2.22	ng	97

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

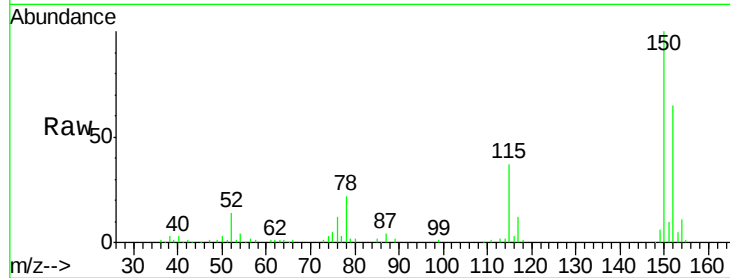


#1

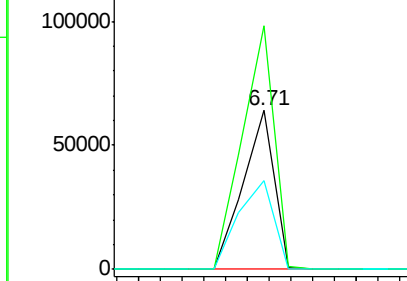
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Instrument :
BNA_F
ClientSampleId :
C2.3-01

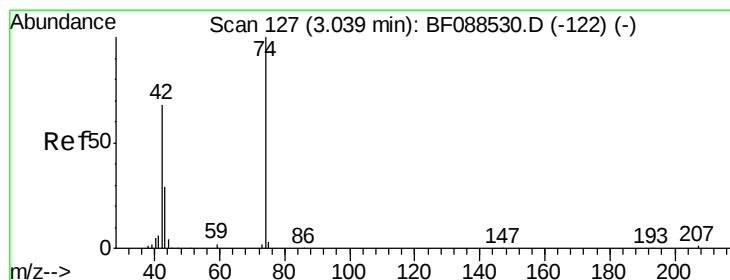
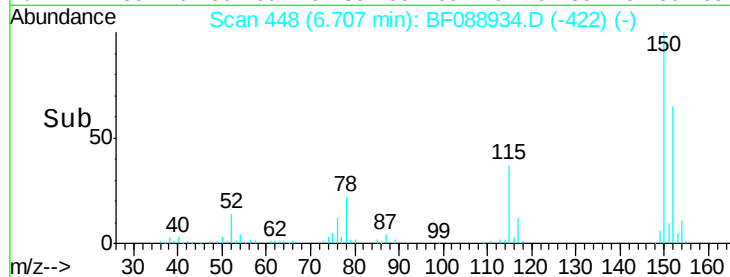
Tgt Ion:152 Resp: 63534
Ion Ratio Lower Upper
152 100
150 153.6 123.8 185.6
115 56.2 39.6 59.4



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



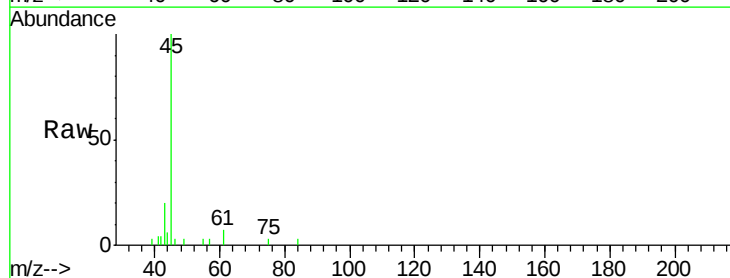
Time-->



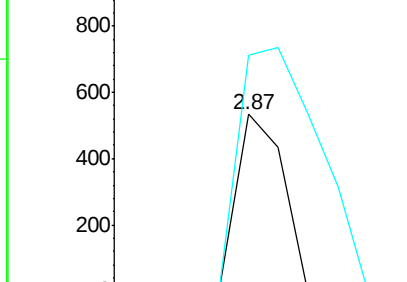
#4

n-Nitrosodimethylamine
Concen: 0.28 ng
RT: 2.87 min Scan# 112
Delta R.T. 0.03 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

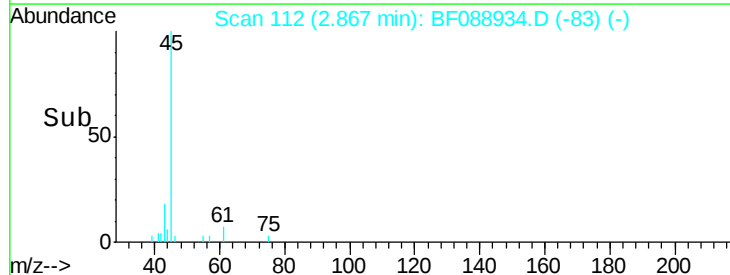
Tgt Ion: 42 Resp: 664
Ion Ratio Lower Upper
42 100
74 0.0 108.6 163.0#
44 134.0 5.5 8.3#

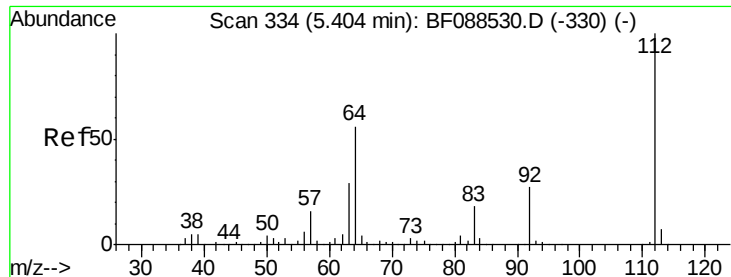


Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0



Time-->





#5

2-Fluorophenol

Concen: 102.92 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

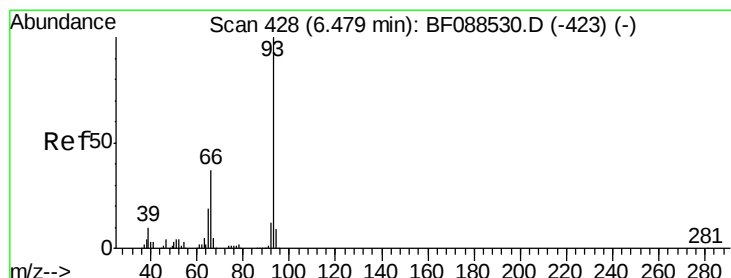
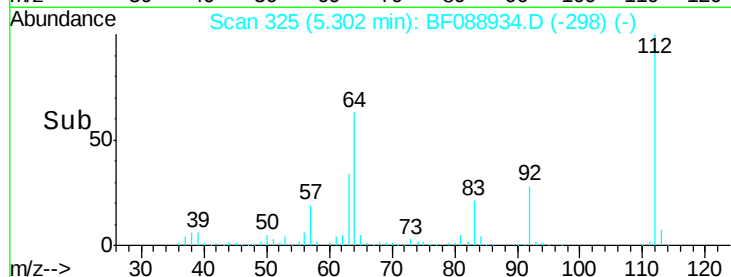
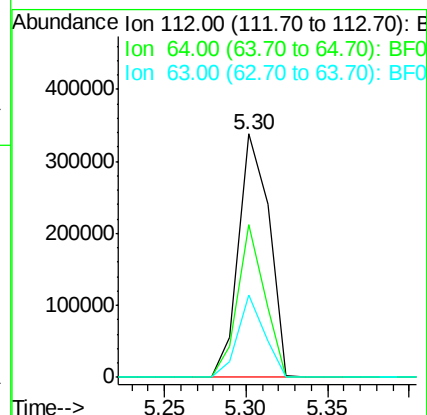
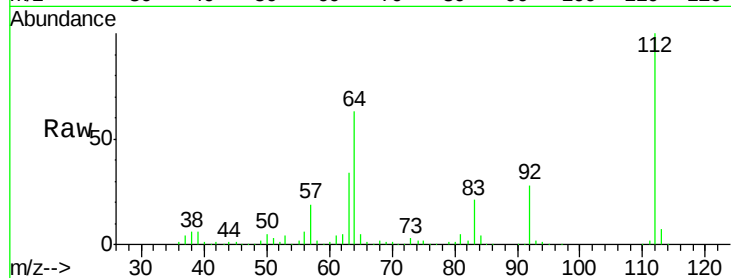
Instrument :

BNA_F

ClientSampleId :

C2.3-01

Tgt Ion:	112	Resp:	436314
Ion	Ratio	Lower	Upper
112	100		
64	62.6	42.2	63.2
63	33.6	21.8	32.8#



#6

Aniline

Concen: 0.11 ng

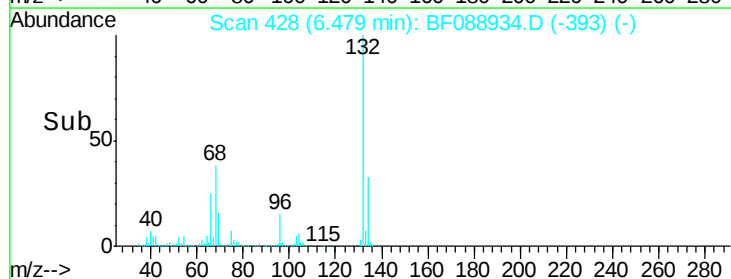
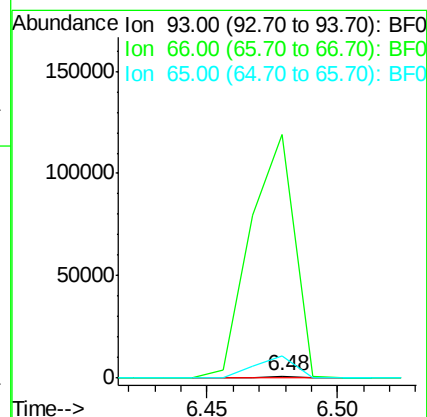
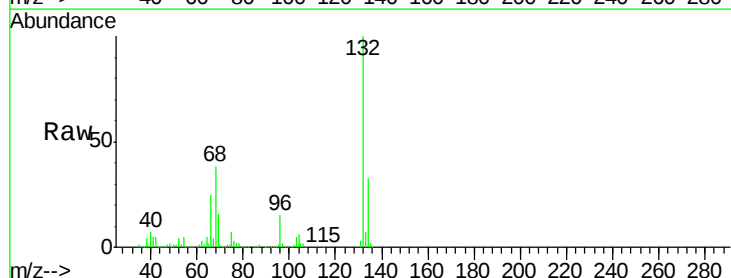
RT: 6.48 min Scan# 428

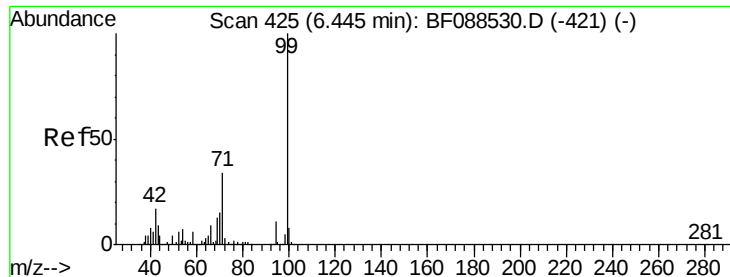
Delta R.T. 0.10 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Tgt Ion:	93	Resp:	877
Ion	Ratio	Lower	Upper
93	100		
66	13341.7	29.8	44.8#
65	1203.1	14.9	22.3#





#7

Phenol-d6

Concen: 102.83 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

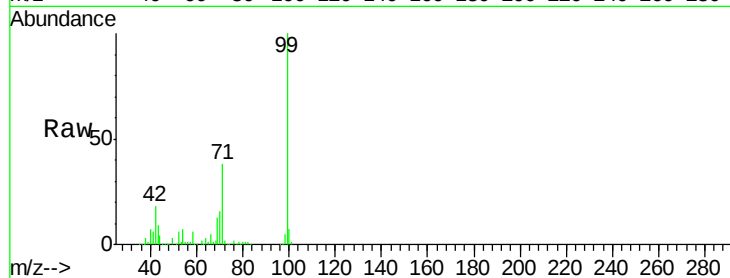
Tgt Ion: 99 Resp: 563247

Ion Ratio Lower Upper

99 100

42 18.1 12.2 18.2

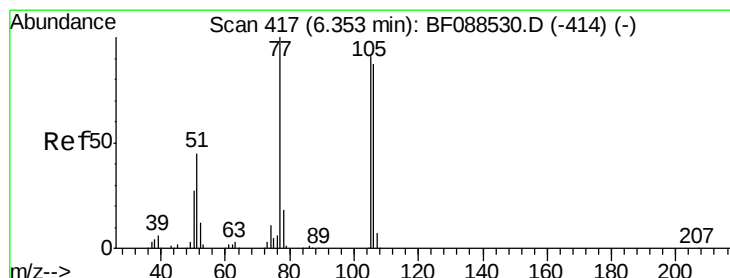
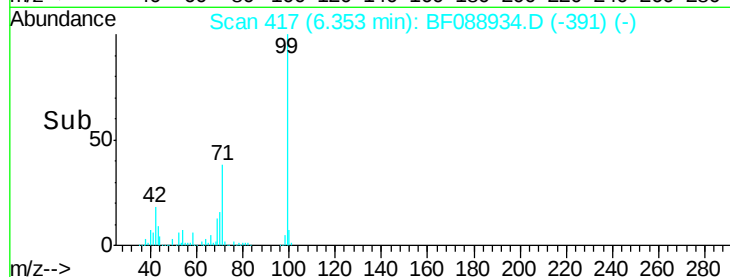
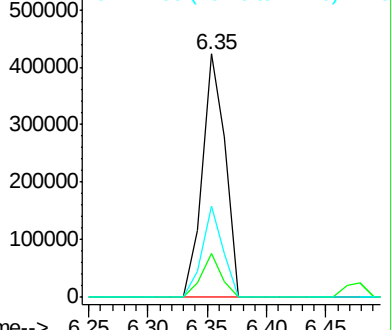
71 37.8 23.4 35.0#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 0.21 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

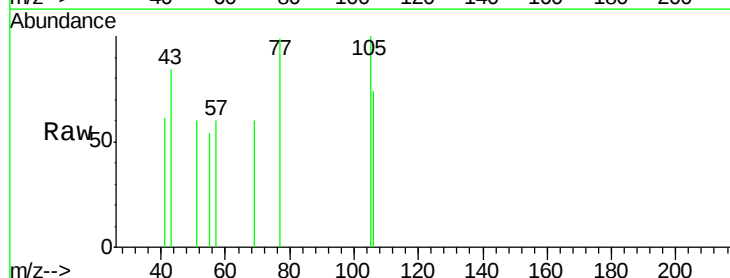
Tgt Ion: 77 Resp: 777

Ion Ratio Lower Upper

77 100

105 100.8 90.6 130.6

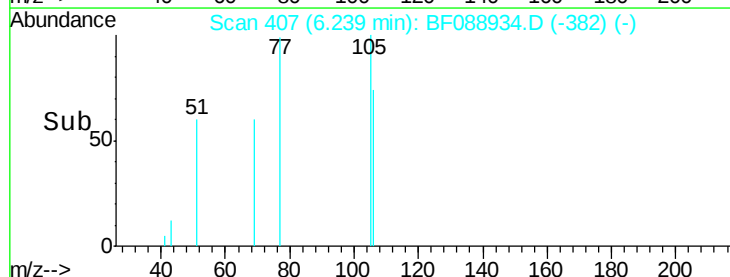
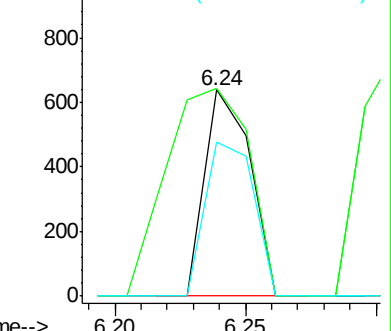
106 74.9 85.3 125.3#

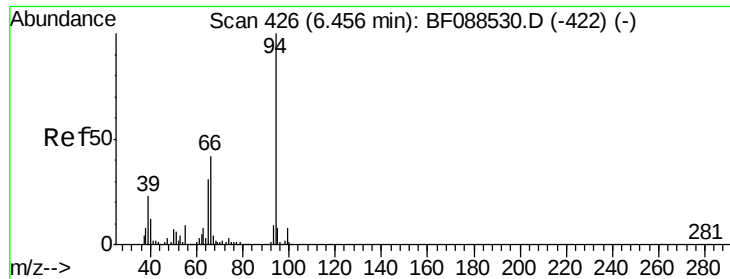


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 0.67 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampled :

C2.3-01

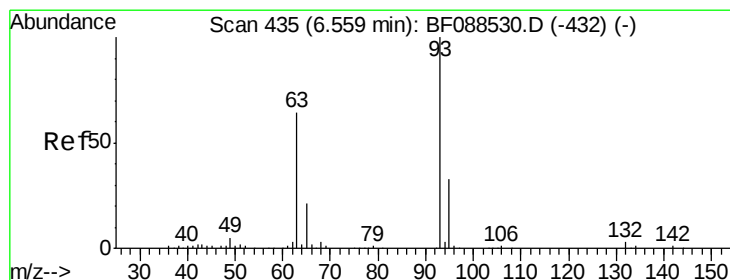
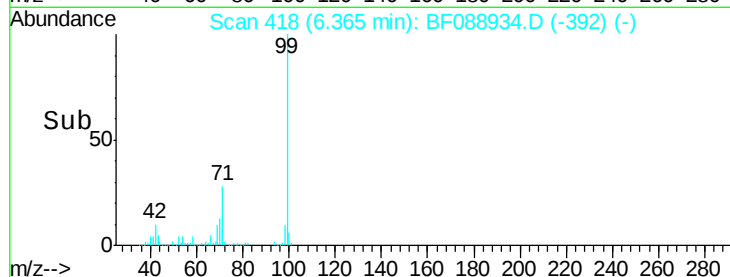
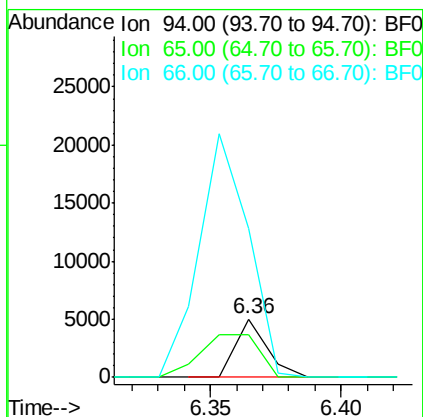
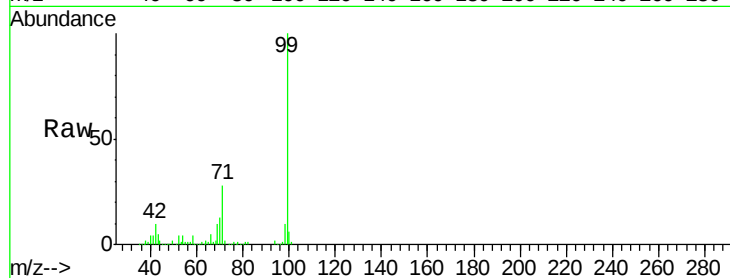
Tgt Ion: 94 Resp: 4205

Ion Ratio Lower Upper

94 100

65 72.3 5.9 45.9#

66 255.6 14.0 54.0#



#11

bis(2-Chloroethyl)ether

Concen: 0.19 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

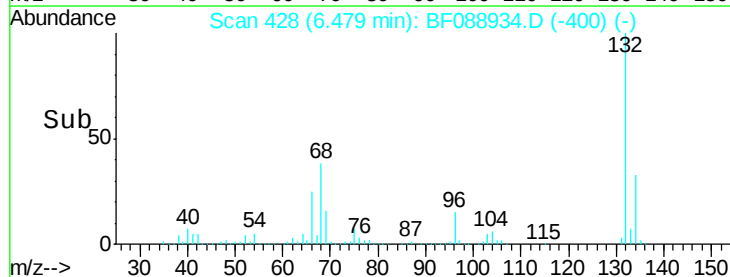
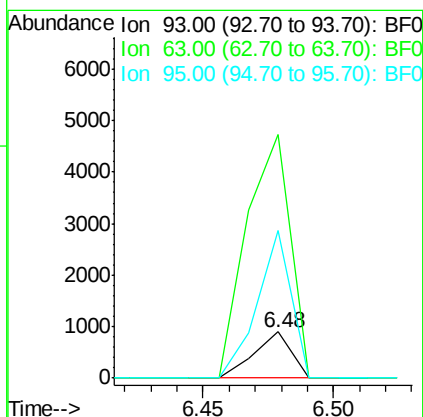
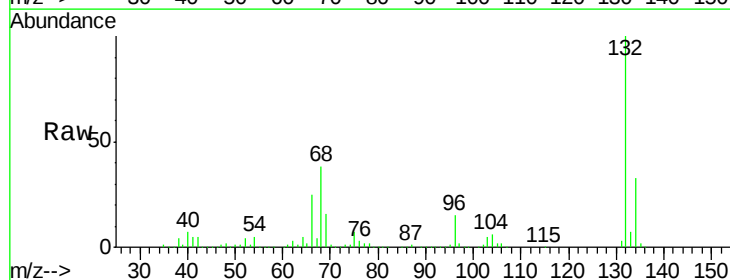
Tgt Ion: 93 Resp: 877

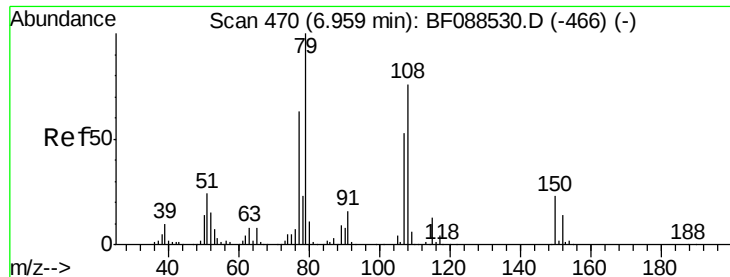
Ion Ratio Lower Upper

93 100

63 529.9 67.6 107.6#

95 321.5 12.5 52.5#





#15

Benzyl Alcohol

Concen: 1.57 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampled :

C2.3-01

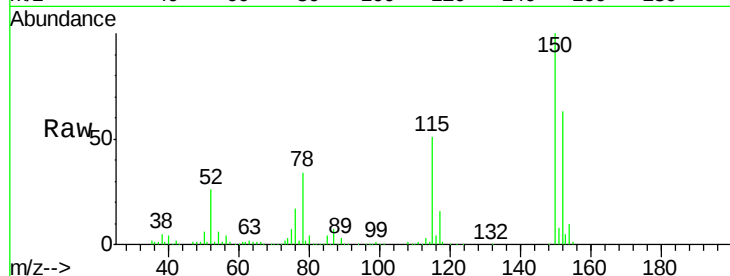
Tgt Ion: 79 Resp: 6327

Ion Ratio Lower Upper

79 100

108 26.1 65.0 97.6#

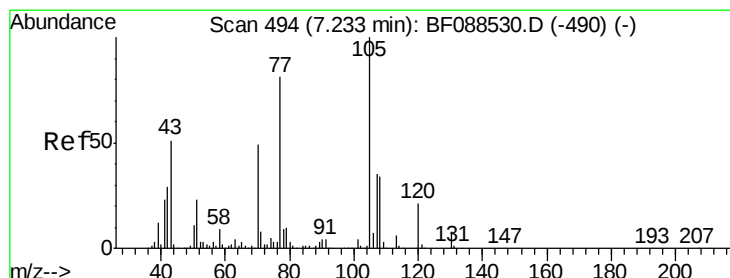
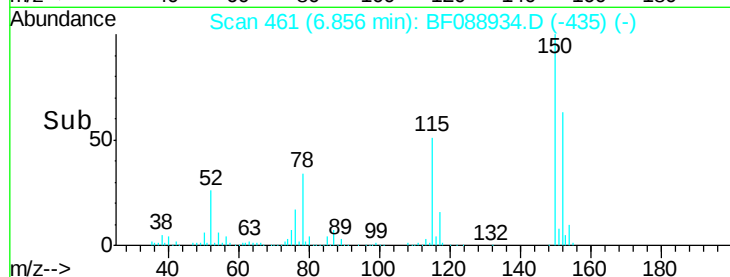
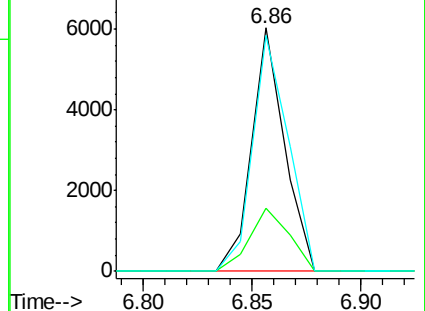
77 96.8 50.3 75.5#



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: 12.27 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.13 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Tgt Ion: 70 Resp: 45140

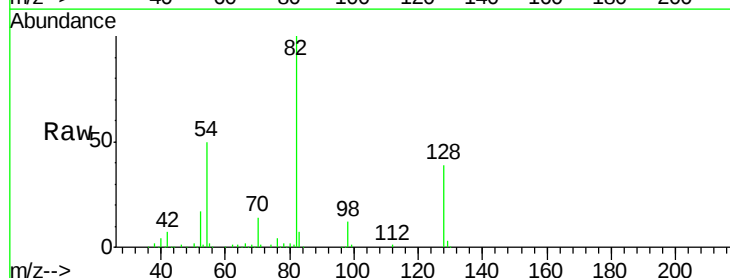
Ion Ratio Lower Upper

70 100

42 46.4 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#

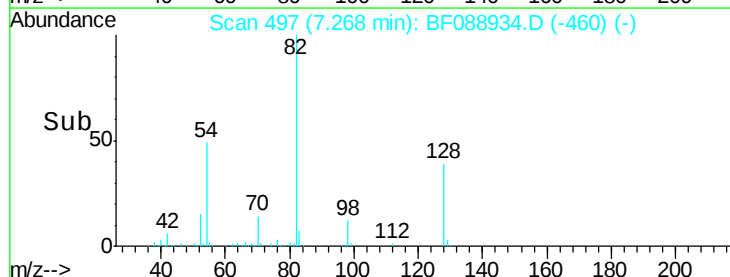
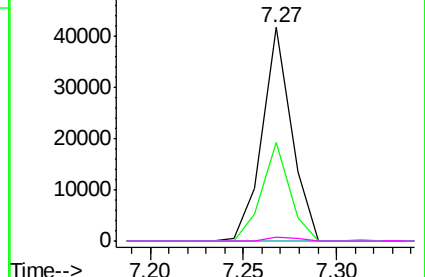


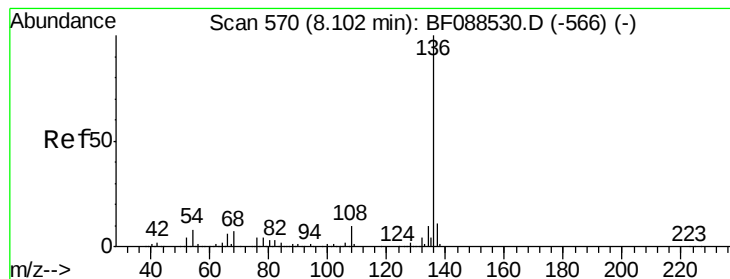
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

Tgt Ion:136 Resp: 234723

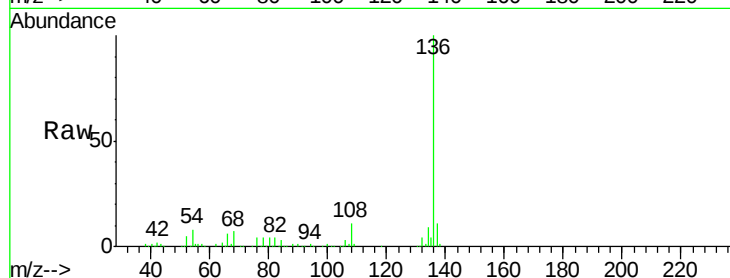
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.4 6.6 10.0

68 6.6 5.1 7.7

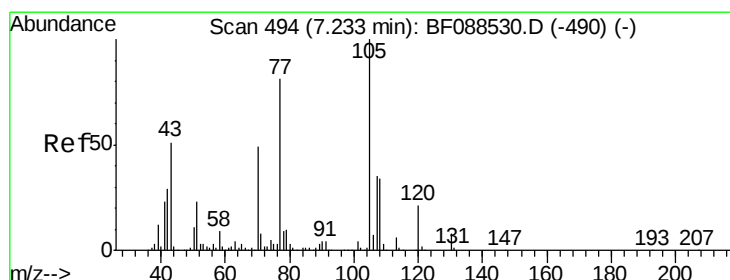
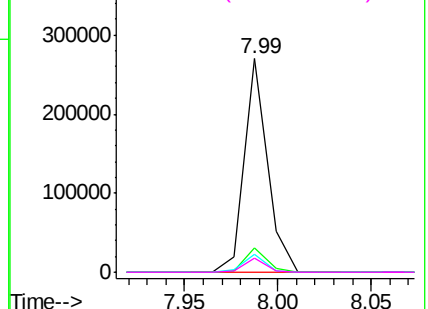
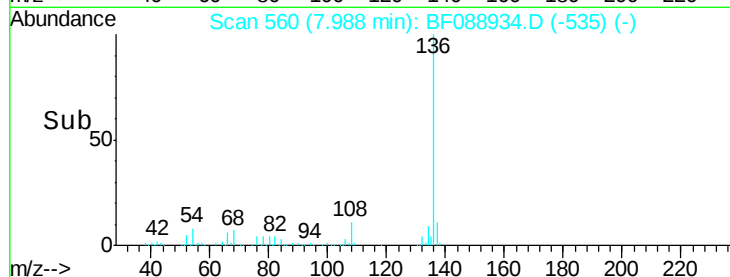


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.12 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Tgt Ion:105 Resp: 679

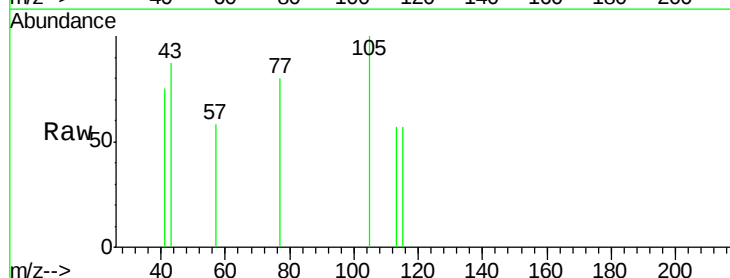
Ion Ratio Lower Upper

105 100

71 0.0 5.3 7.9#

51 0.0 18.2 27.4#

120 0.0 18.0 27.0#

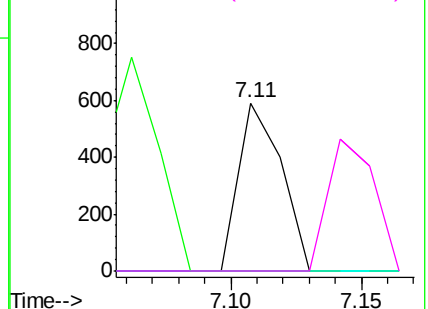
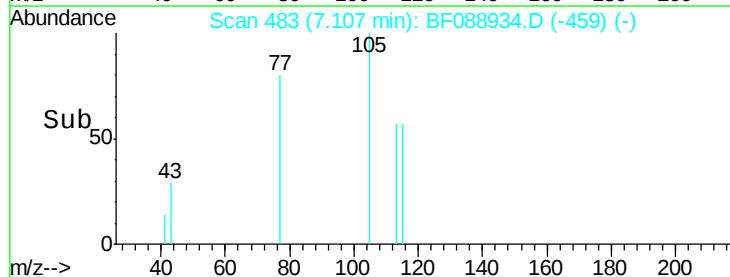


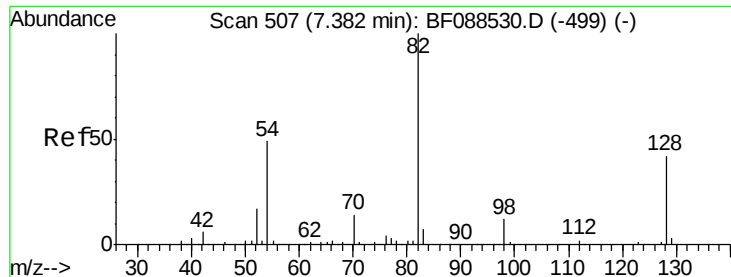
Abundance Ion 105.00 (104.70 to 105.70): E

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

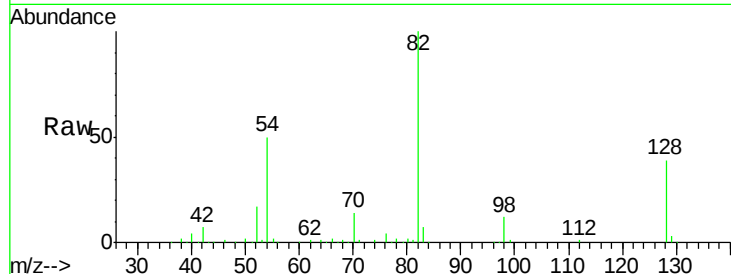




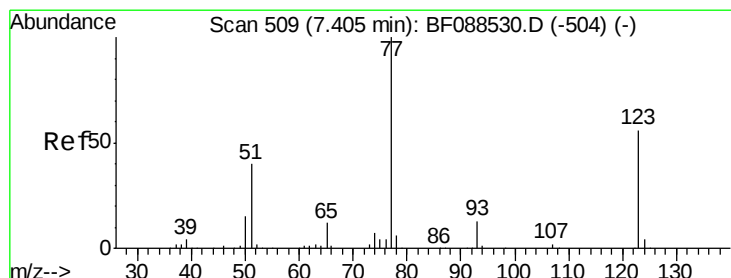
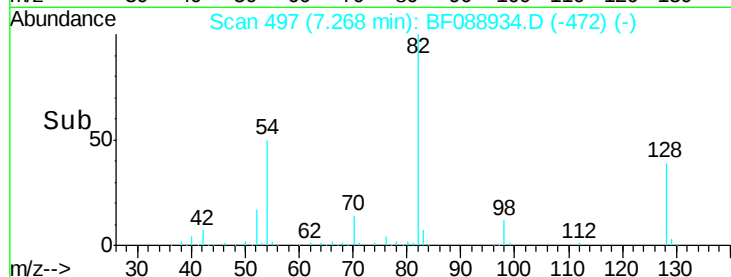
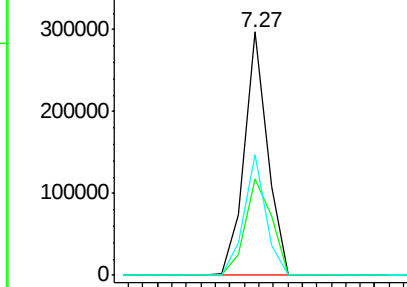
#23
 Nitrobenzene-d5
 Concen: 73.88 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: BF088934.D
 Acq: 12 Jul 2016 22:27

Instrument :
 BNA_F
 ClientSampled :
 C2.3-01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.4	35.9	53.9
54	49.8	40.9	61.3

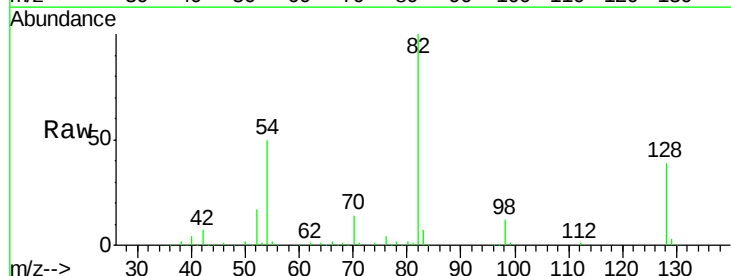


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

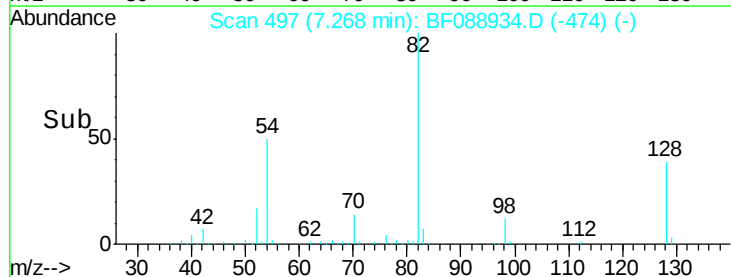
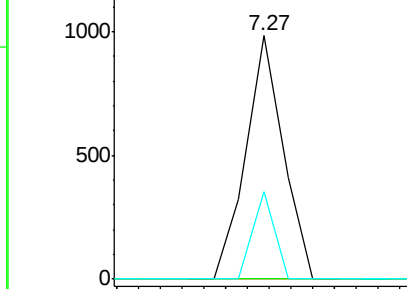


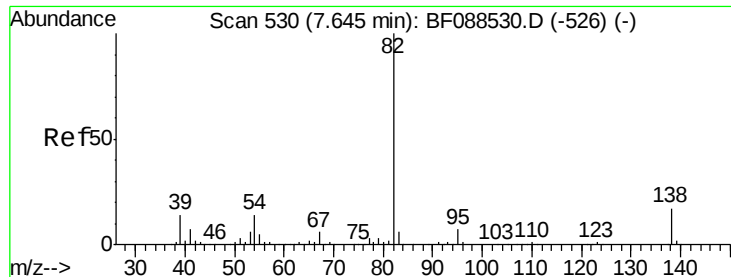
#24
 Nitrobenzene
 Concen: 0.26 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.03 min
 Lab File: BF088934.D
 Acq: 12 Jul 2016 22:27

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	45.0	67.4#
65	35.8	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: 33.63 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.27 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

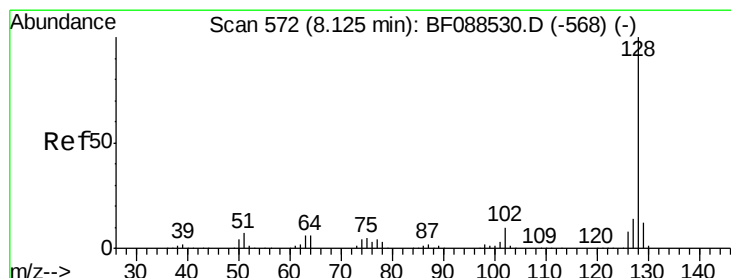
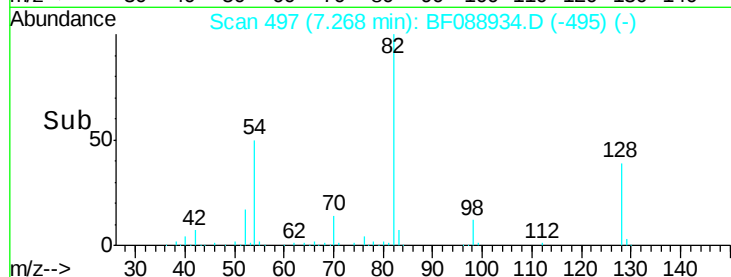
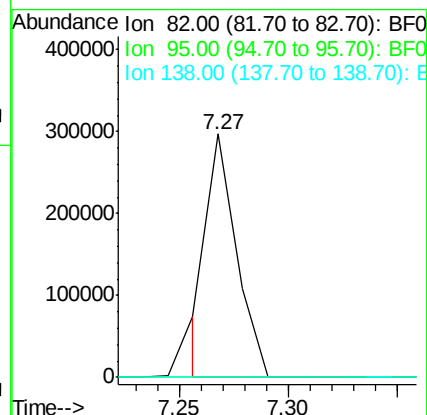
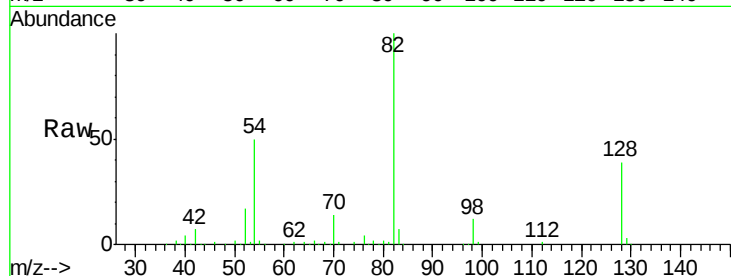
Tgt Ion: 82 Resp: 279009

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#31

Naphthalene

Concen: 0.92 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

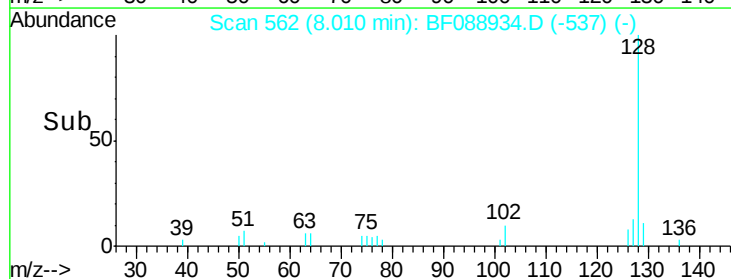
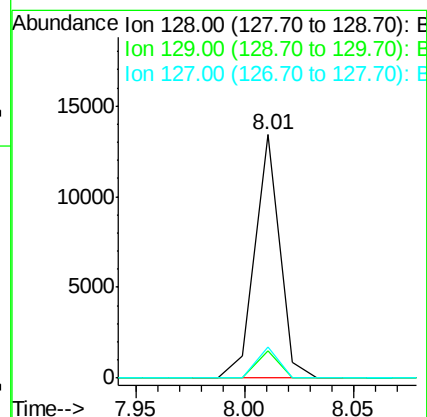
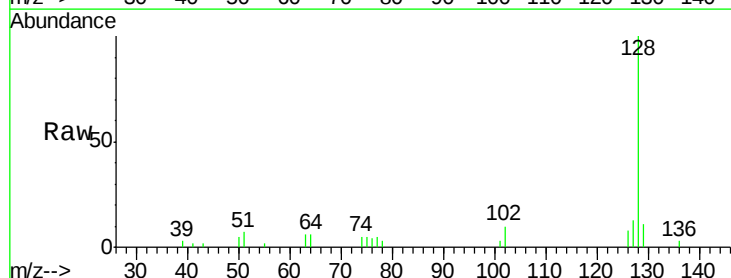
Tgt Ion: 128 Resp: 10656

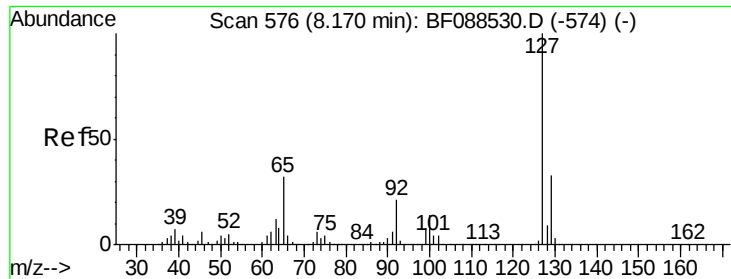
Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.2

127 12.8 10.9 16.3

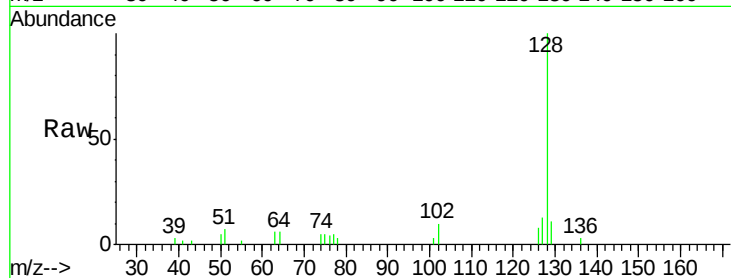




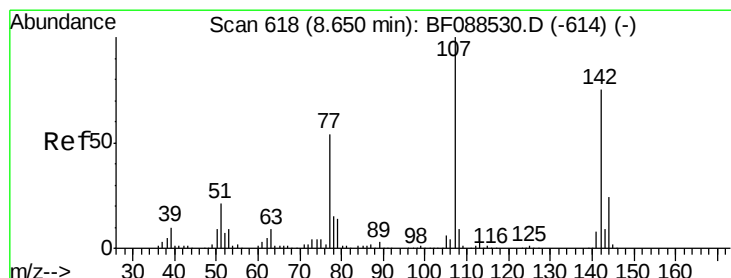
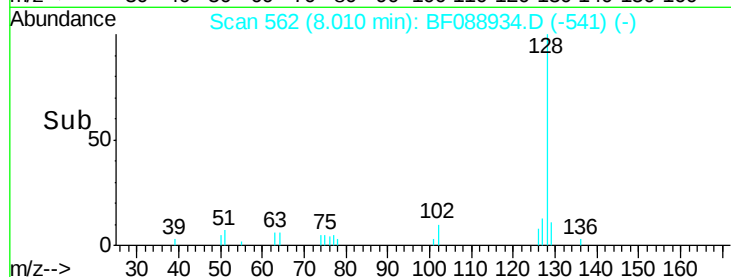
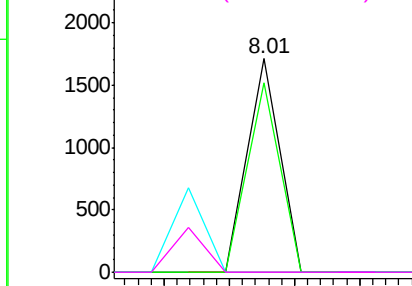
#33
4-Chloroaniline
Concen: 0.23 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.06 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Instrument :
BNA_F
ClientSampleId :
C2.3-01

Tgt Ion:	127	Resp:	1175
Ion	Ratio	Lower	Upper
127	100		
129	88.8	26.3	39.5#
65	0.0	24.7	37.1#
92	0.0	15.4	23.0#

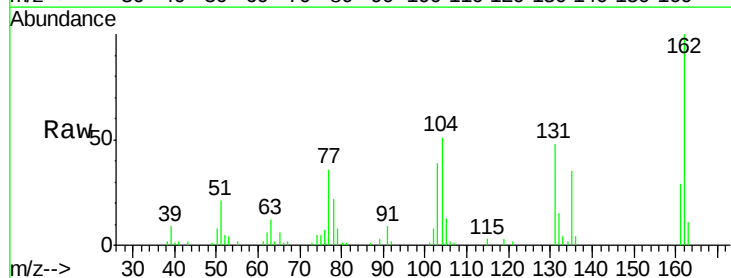


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

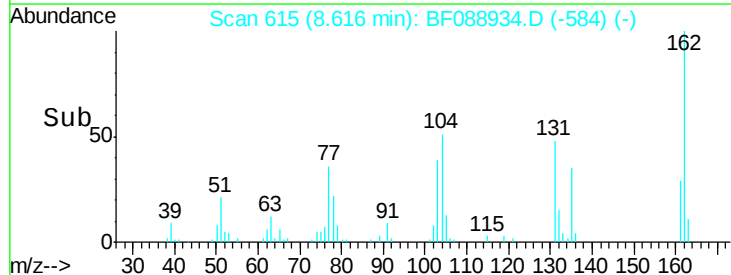
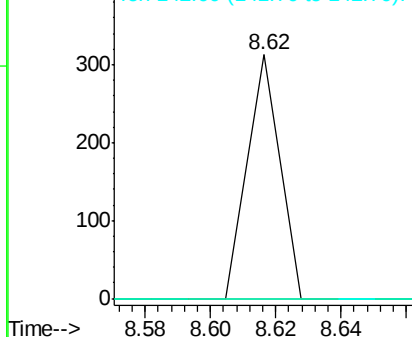


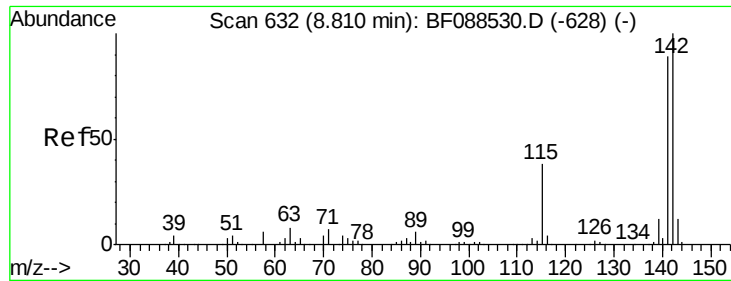
#36
4-Chloro-3-methylphenol
Concen: 0.06 ng
RT: 8.62 min Scan# 615
Delta R.T. 0.06 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:	107	Resp:	215
Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.8	31.2#
142	0.0	63.4	95.2#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

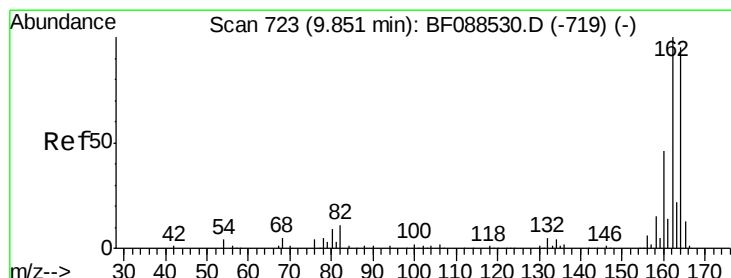
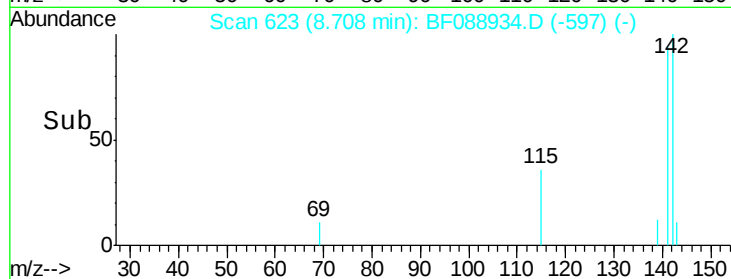
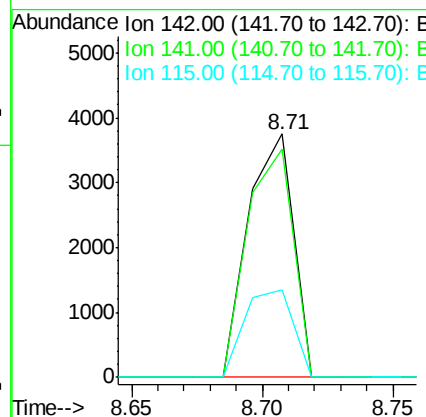
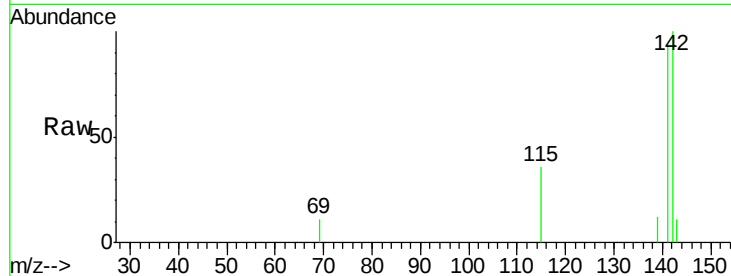




#37
 2-Methylnaphthalene
 Concen: 0.61 ng
 RT: 8.71 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF088934.D
 Acq: 12 Jul 2016 22:27

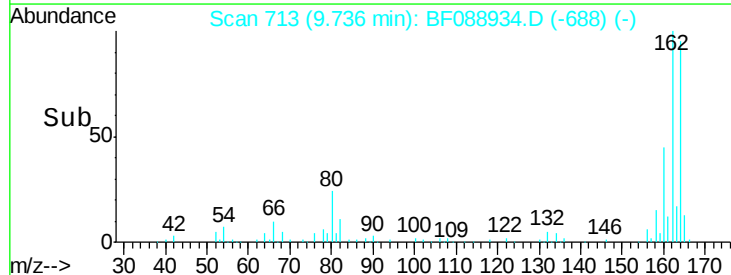
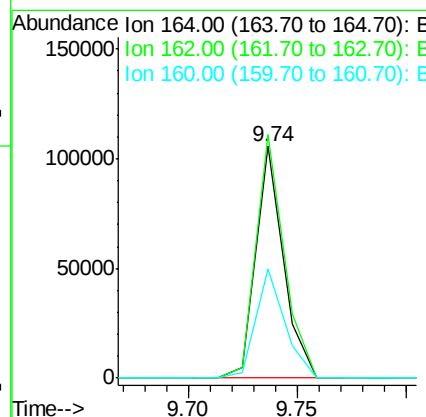
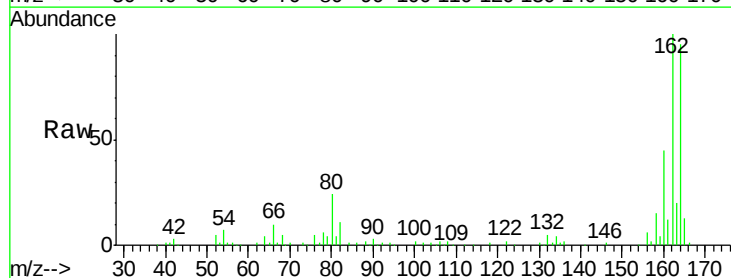
Instrument :
 BNA_F
 ClientSampleId :
 C2.3-01

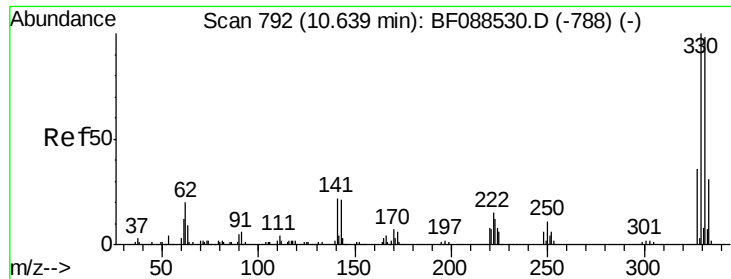
Tgt Ion:142 Resp: 4570
 Ion Ratio Lower Upper
 142 100
 141 93.8 71.0 106.6
 115 35.7 22.6 33.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: BF088934.D
 Acq: 12 Jul 2016 22:27

Tgt Ion:164 Resp: 92510
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.4 128.2
 160 47.0 39.5 59.3

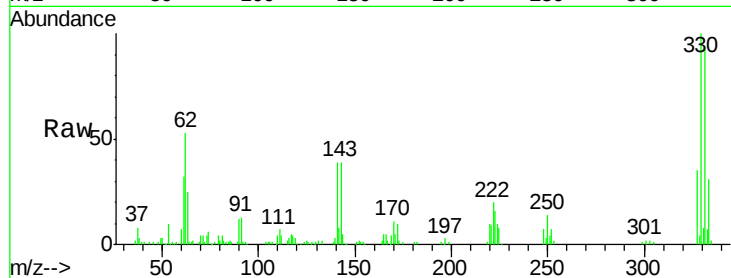




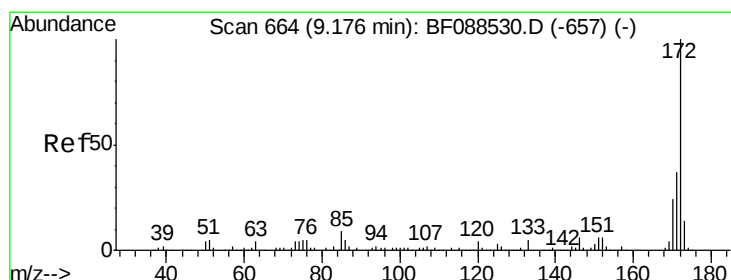
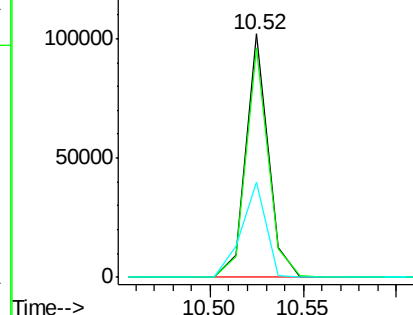
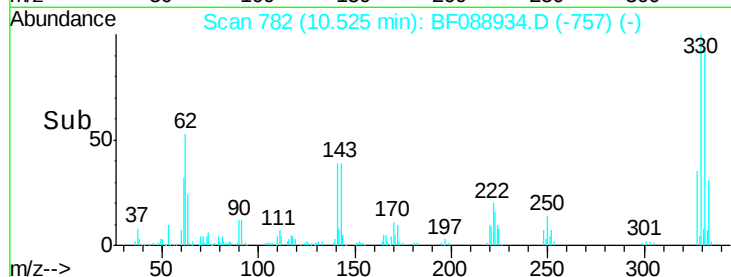
#41
 2,4,6-Tribromophenol
 Concen: 98.77 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088934.D
 Acq: 12 Jul 2016 22:27

Instrument :
 BNA_F
 ClientSampleId :
 C2.3-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	0.0	0.0#
141	44.0	0.0	0.0#

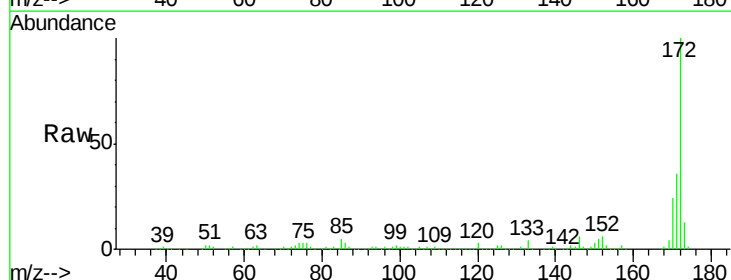


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

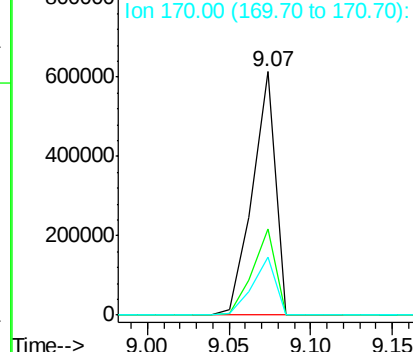
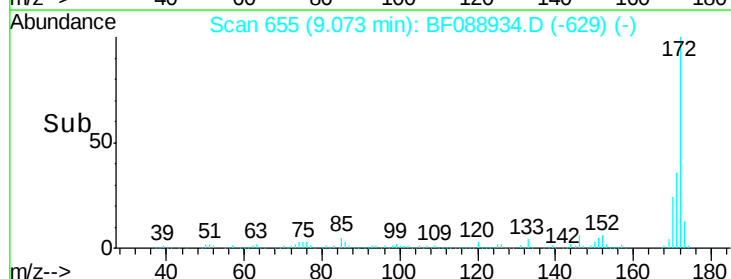


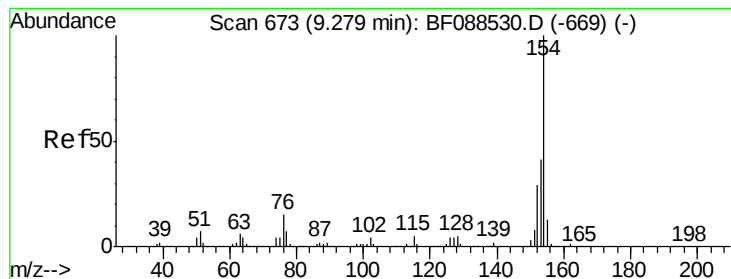
#44
 2-Fluorobiphenyl
 Concen: 102.77 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088934.D
 Acq: 12 Jul 2016 22:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.7	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: 0.14 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

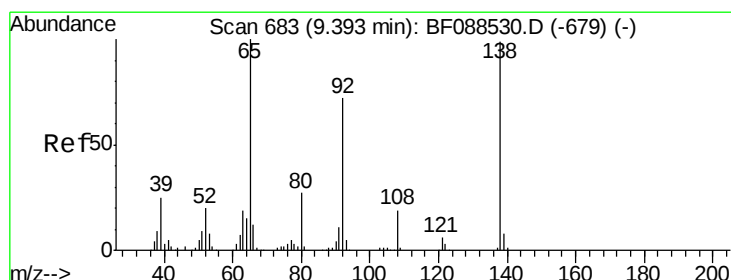
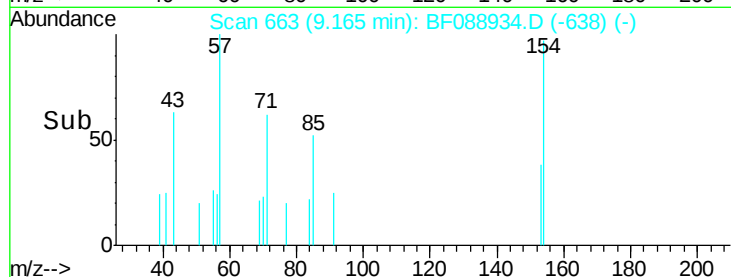
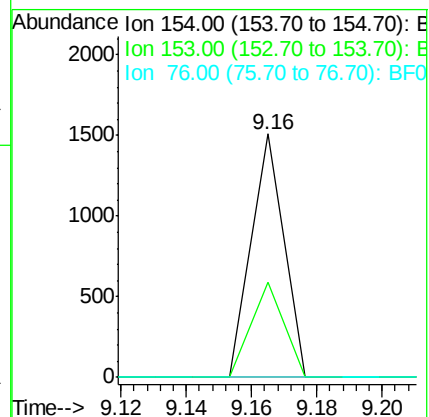
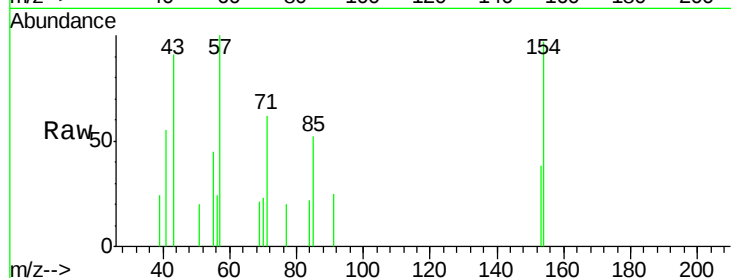
Tgt Ion:154 Resp: 1035

Ion Ratio Lower Upper

154 100

153 39.3 20.6 60.6

76 0.0 0.0 35.1



#47

2-Nitroaniline

Concen: 0.44 ng

RT: 9.46 min Scan# 689

Delta R.T. 0.17 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

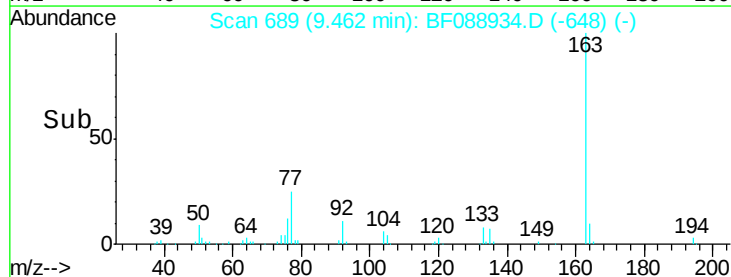
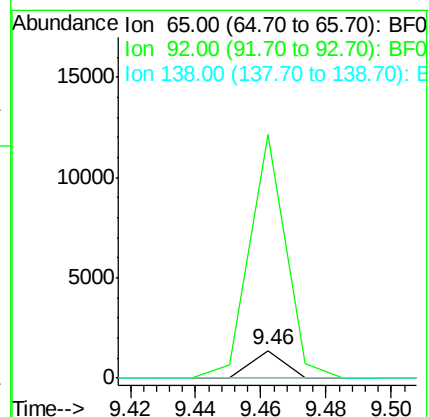
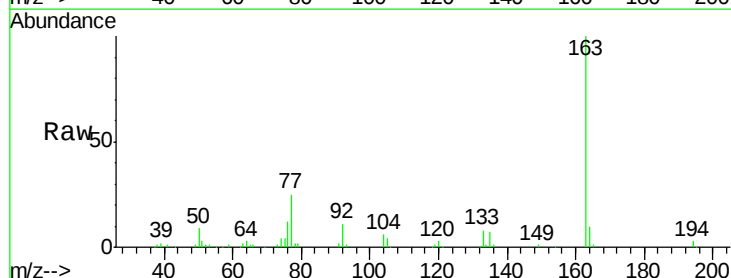
Tgt Ion: 65 Resp: 949

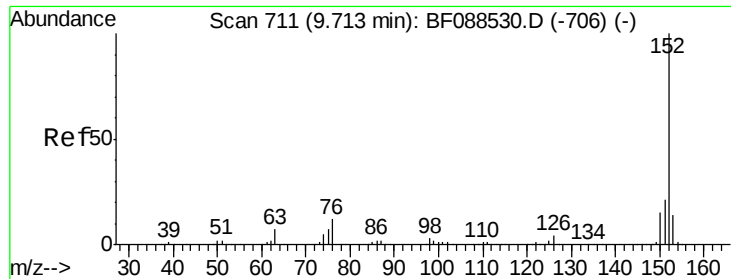
Ion Ratio Lower Upper

65 100

92 877.4 54.6 82.0#

138 0.0 77.0 115.4#





#48

Acenaphthylene

Concen: 1.06 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

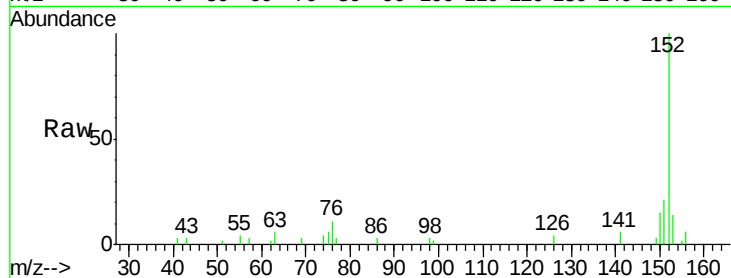
Tgt Ion:152 Resp: 10155

Ion Ratio Lower Upper

152 100

151 21.2 16.2 24.4

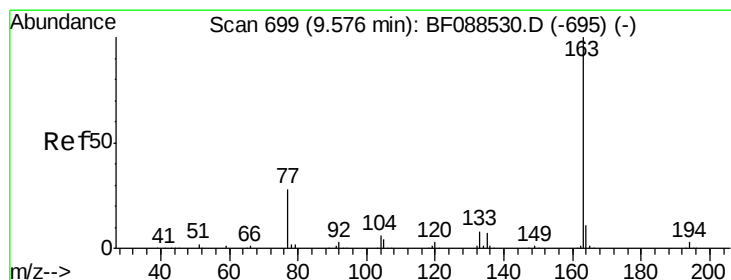
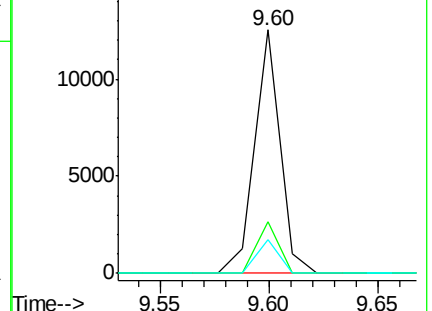
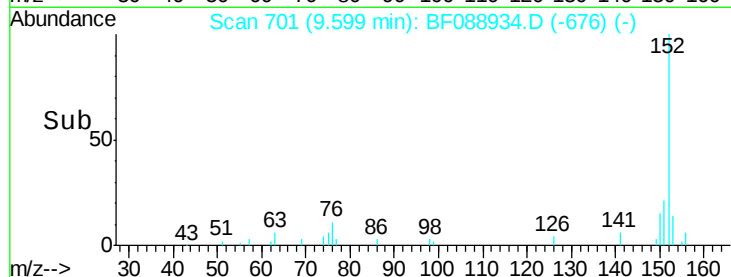
153 13.6 11.0 16.6



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: 13.61 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

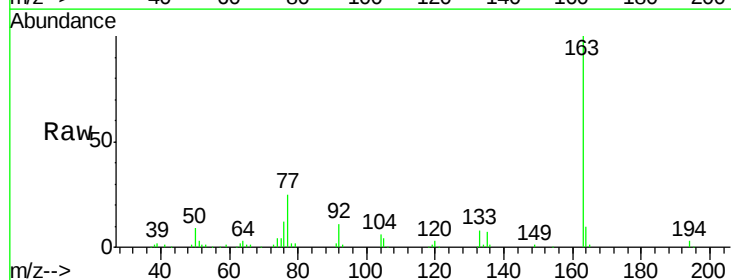
Tgt Ion:163 Resp: 89701

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

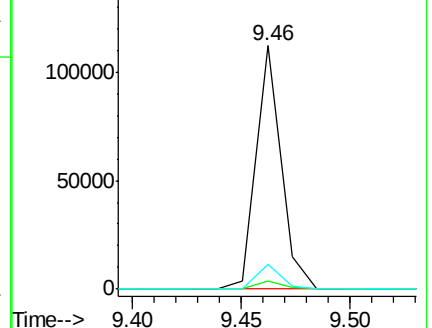
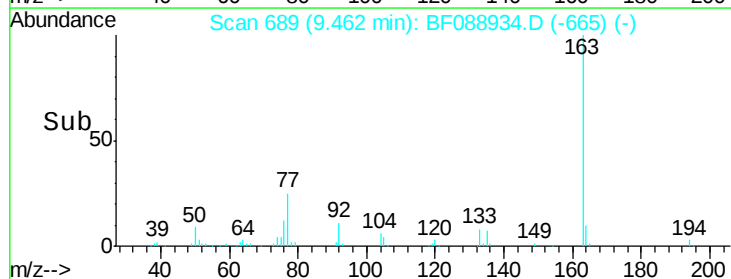
164 9.9 8.3 12.5

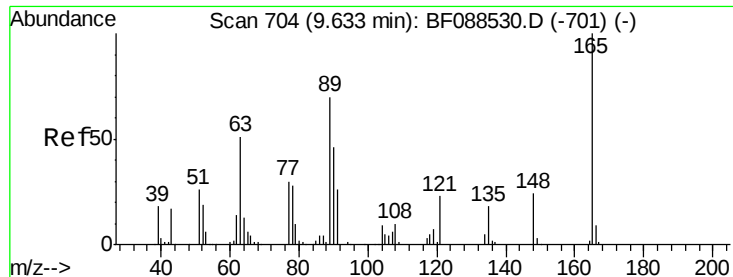


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 0.63 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.08 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

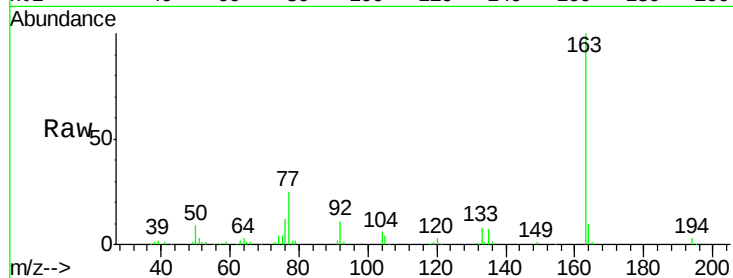
Tgt Ion:165 Resp: 925

Ion Ratio Lower Upper

165 100

63 169.1 28.1 42.1#

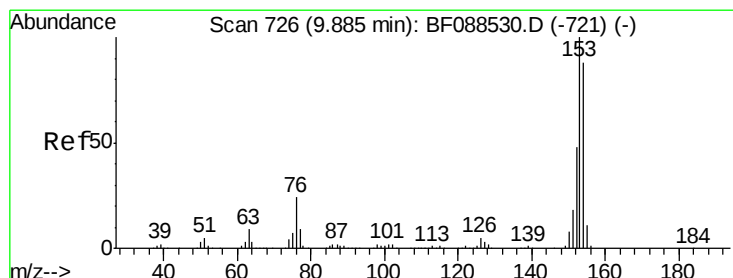
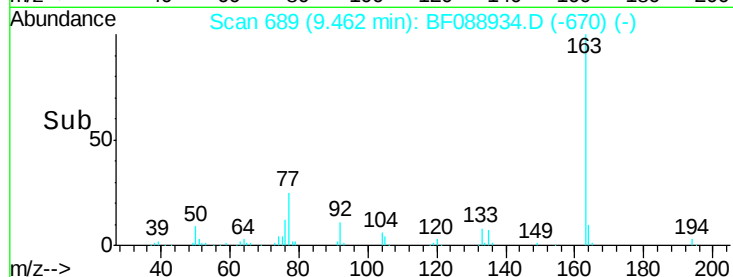
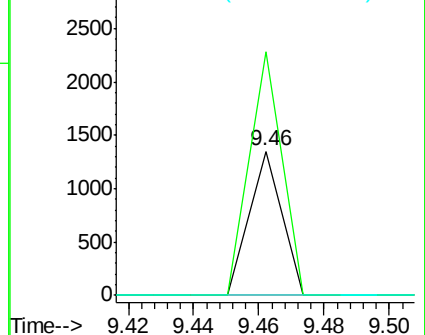
89 0.0 32.2 48.2#



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: 0.06 ng

RT: 9.77 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

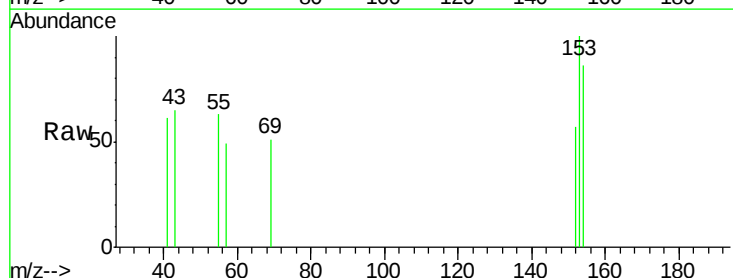
Tgt Ion:154 Resp: 377

Ion Ratio Lower Upper

154 100

153 116.9 89.5 134.3

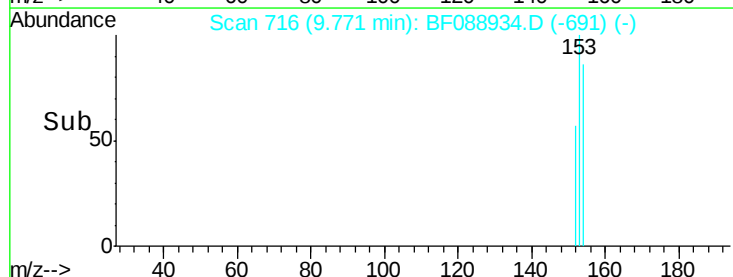
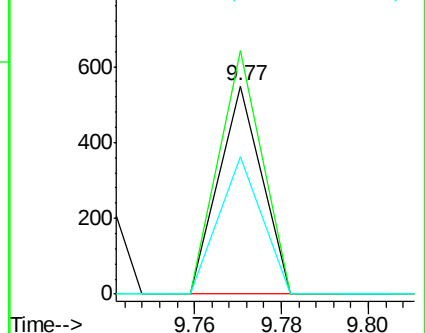
152 66.3 42.7 64.1#

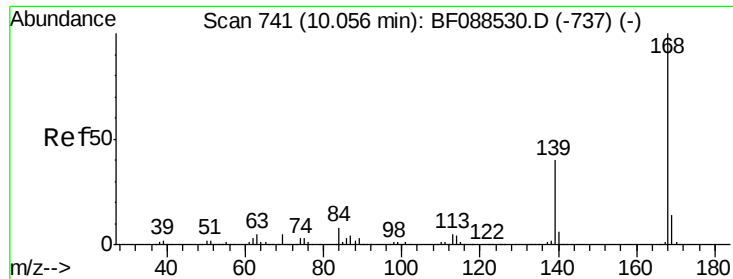


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 0.36 ng

RT: 9.94 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

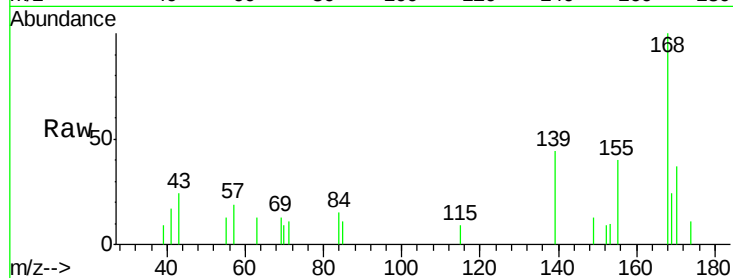
Tgt Ion:168 Resp: 2753

Ion Ratio Lower Upper

168 100

139 44.2 26.4 39.6#

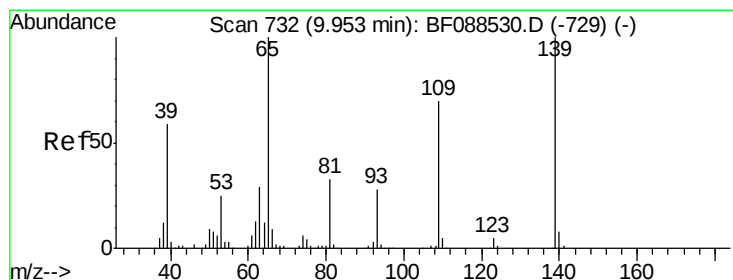
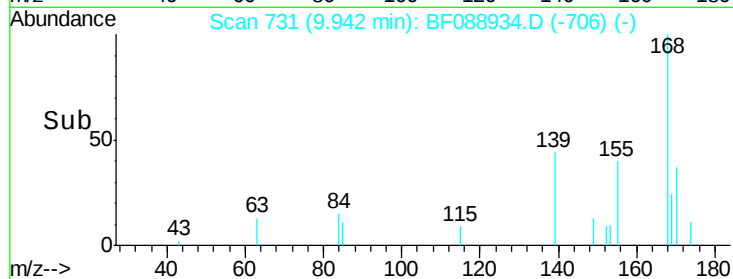
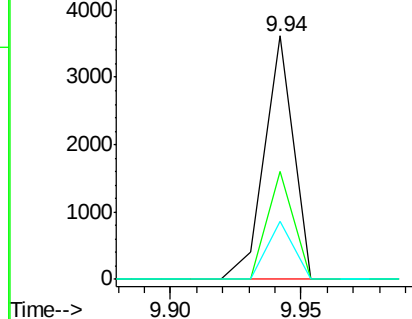
169 24.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 0.78 ng

RT: 9.94 min Scan# 731

Delta R.T. 0.07 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

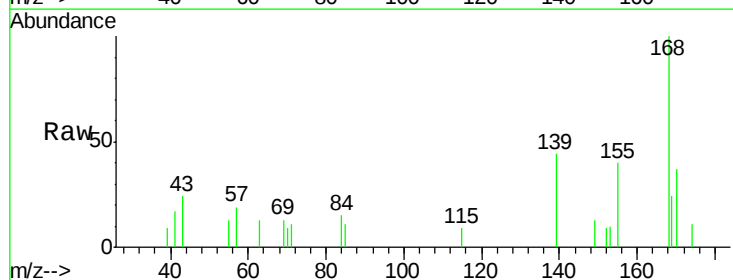
Tgt Ion:139 Resp: 1096

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

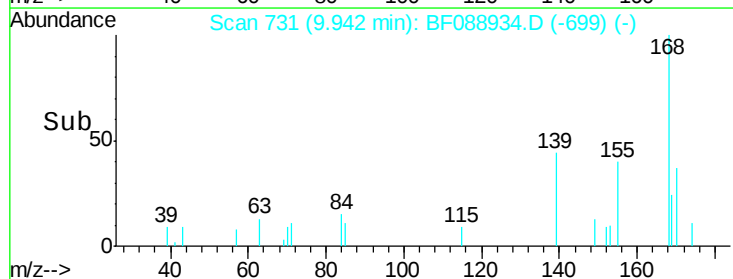
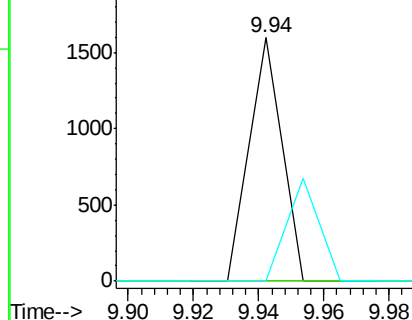
65 0.0 84.9 124.9#

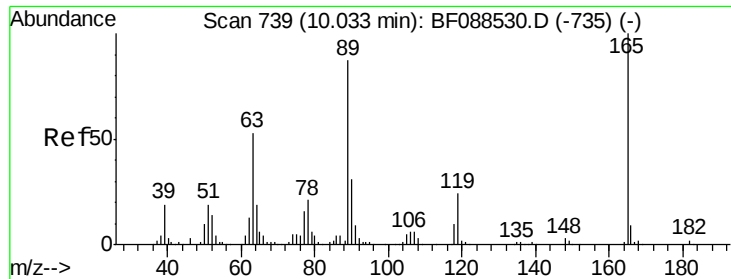


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.54 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.21 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

Tgt Ion:165 Resp: 12496

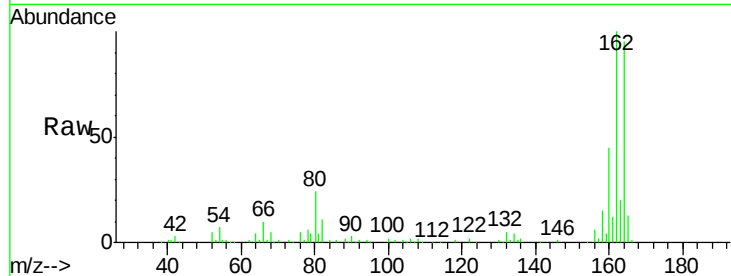
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 2.5 41.1 61.7#

182 0.0 2.0 3.0#

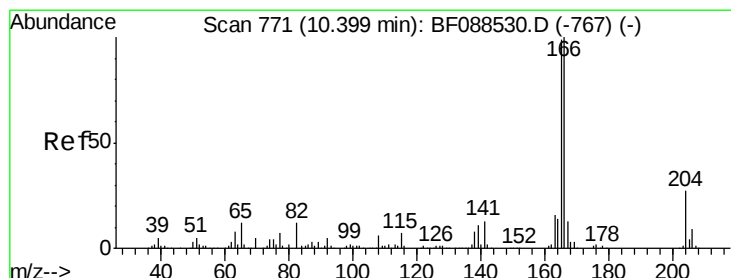
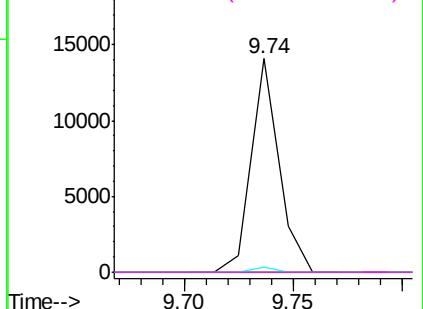
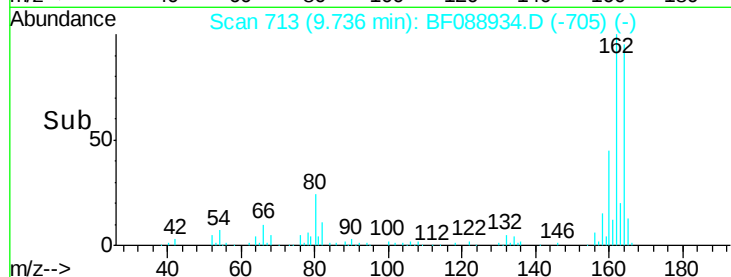


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.07 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

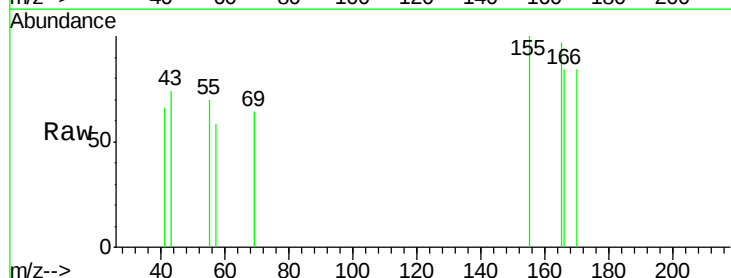
Tgt Ion:166 Resp: 410

Ion Ratio Lower Upper

166 100

165 115.4 77.8 116.8

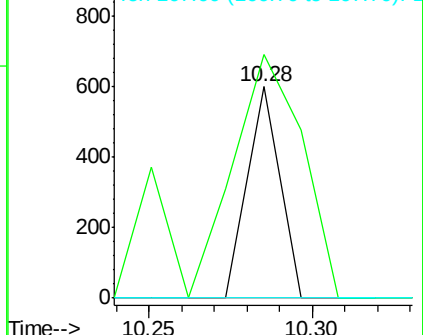
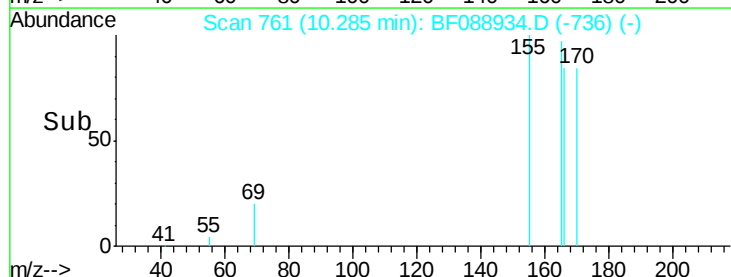
167 0.0 11.2 16.8#

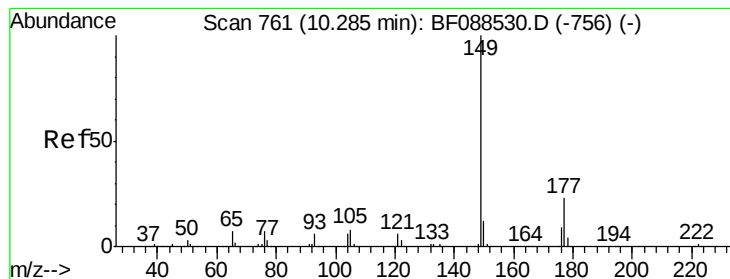


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 0.05 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

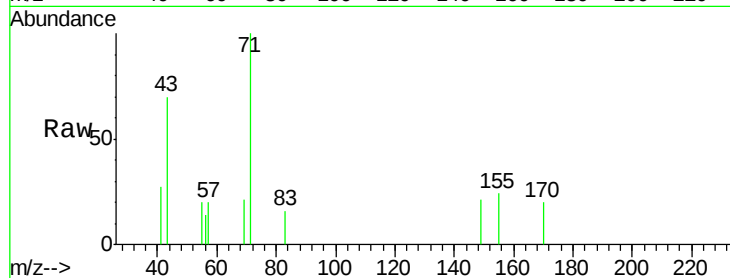
Tgt Ion:149 Resp: 322

Ion Ratio Lower Upper

149 100

177 0.0 16.9 25.3#

150 0.0 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

10.16

400

300

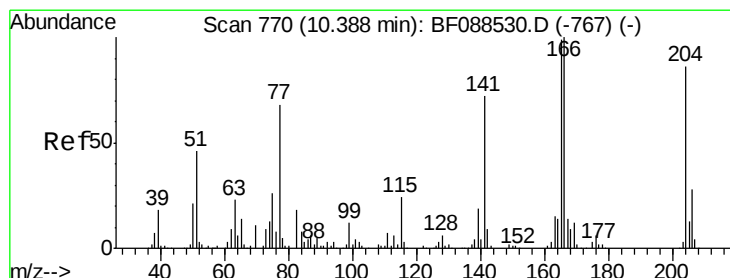
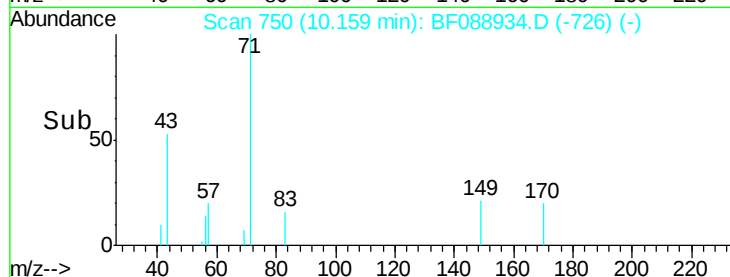
200

100

0

10.15

Time-->



#60

4-Chlorophenyl-phenylether

Concen: 0.09 ng

RT: 10.44 min Scan# 775

Delta R.T. 0.16 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

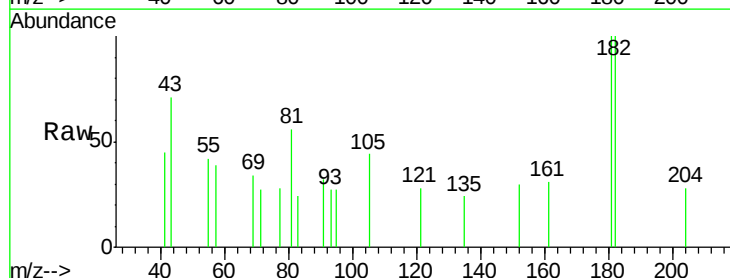
Tgt Ion:204 Resp: 238

Ion Ratio Lower Upper

204 100

206 0.0 26.3 39.5#

141 0.0 55.0 82.6#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

10.44

400

300

200

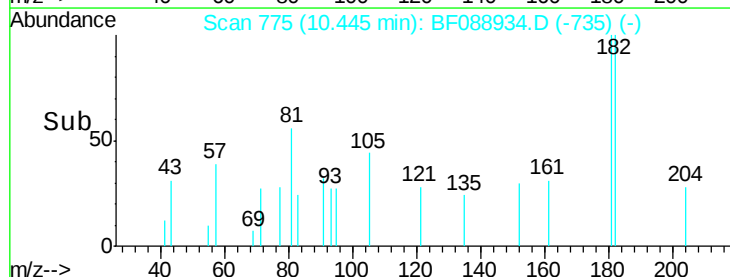
100

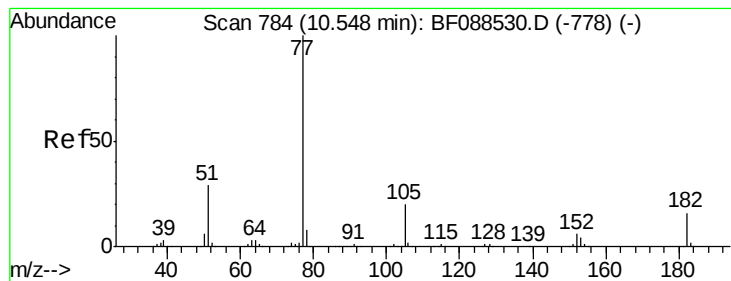
0

10.40

10.45

Time-->





#62

Azobenzene

Concen: 0.06 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

Tgt Ion: 77 Resp: 473

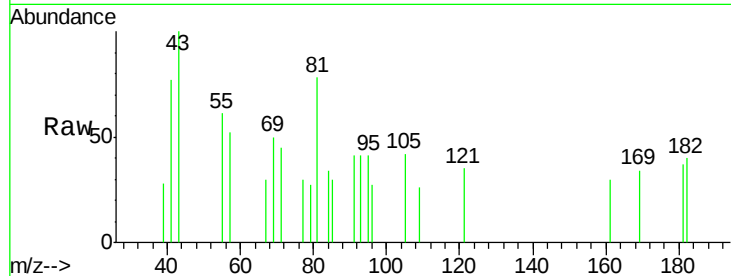
Ion Ratio Lower Upper

77 100

182 133.0 4.4 44.4#

105 138.3 3.8 43.8#

51 0.0 9.3 49.3#

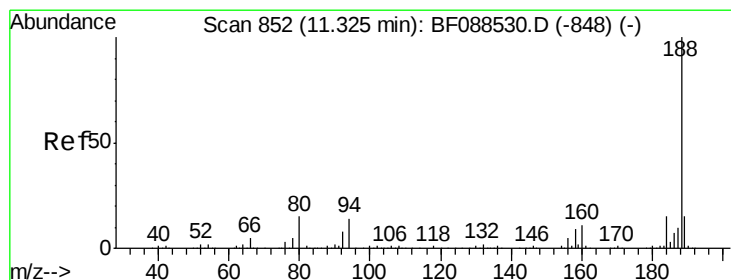
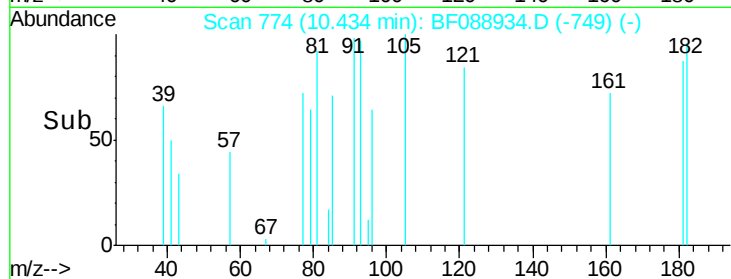
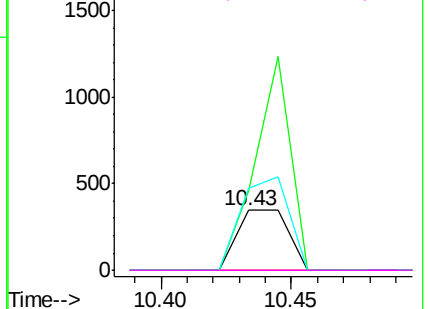


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

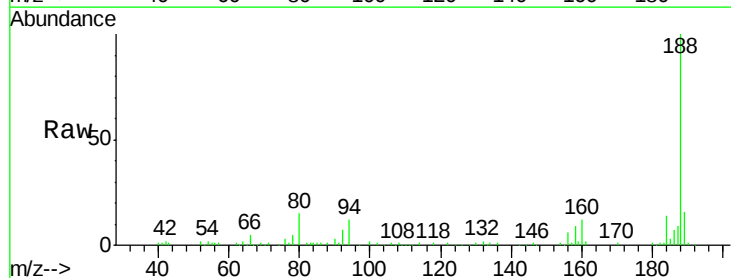
Tgt Ion: 188 Resp: 137765

Ion Ratio Lower Upper

188 100

94 12.5 9.0 13.6

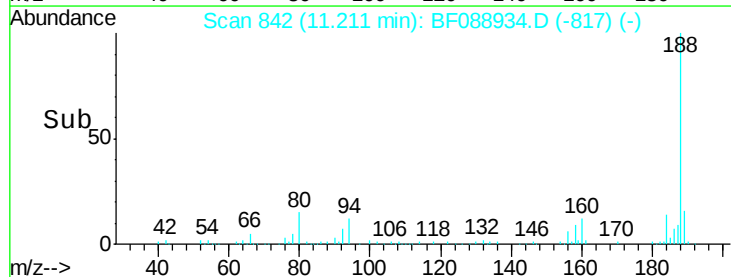
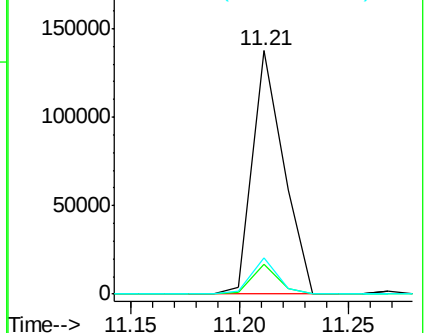
80 14.7 10.0 15.0

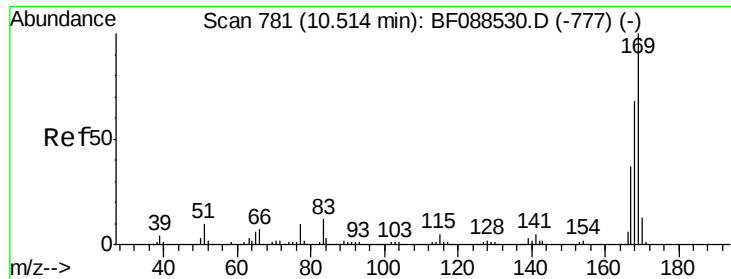


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.10 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

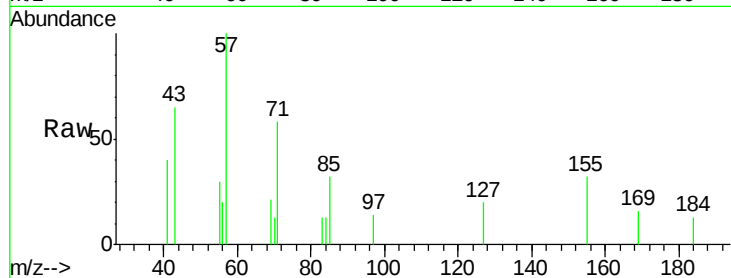
Tgt Ion:169 Resp: 486

Ion Ratio Lower Upper

169 100

168 0.0 53.4 80.0#

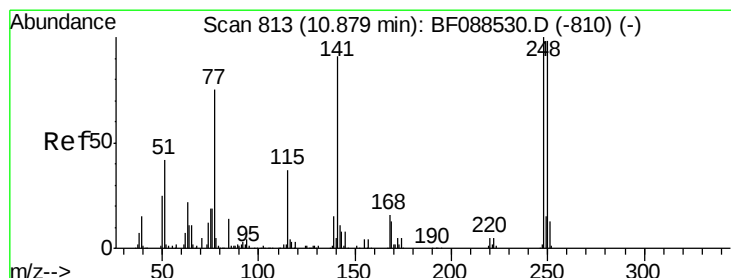
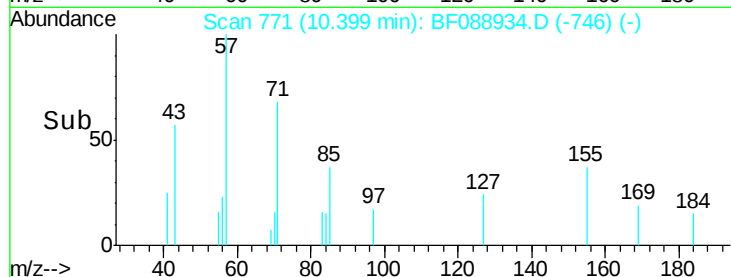
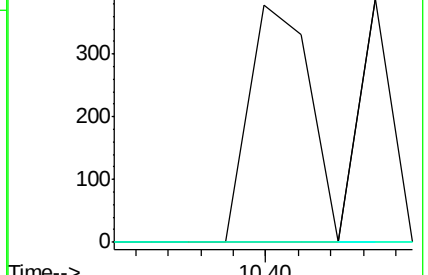
167 0.0 29.4 44.0#



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: 4.42 ng

RT: 10.52 min Scan# 782

Delta R.T. -0.25 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

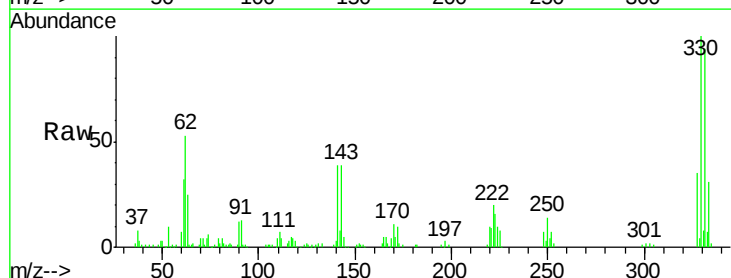
Tgt Ion:248 Resp: 6131

Ion Ratio Lower Upper

248 100

250 200.6 77.1 115.7#

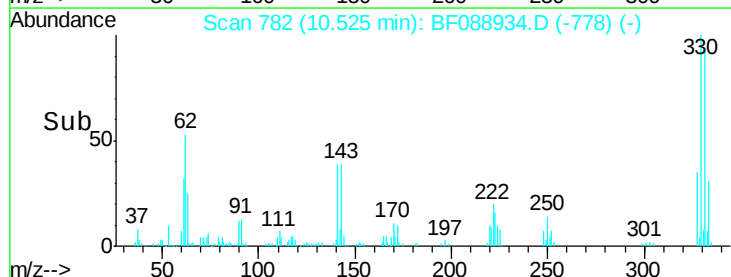
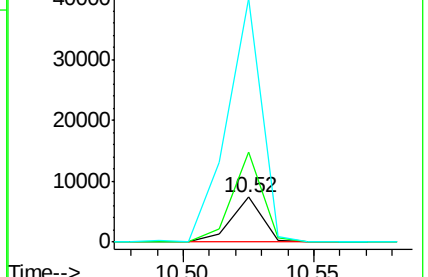
141 544.0 50.6 76.0#

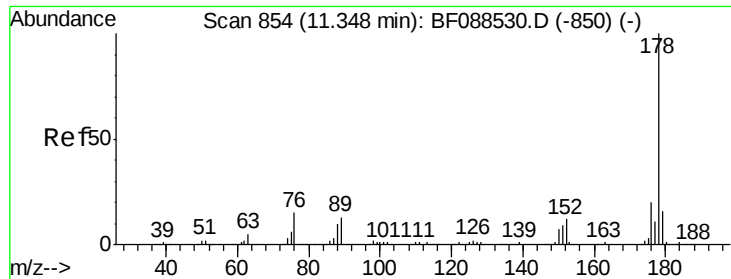


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

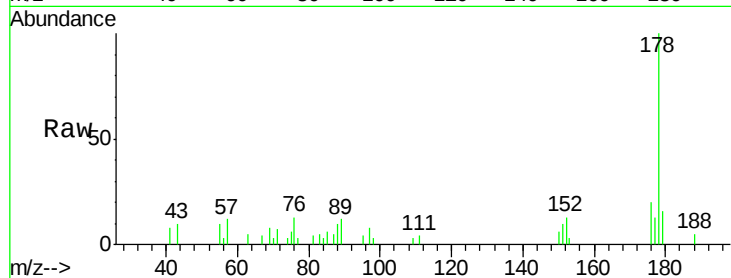




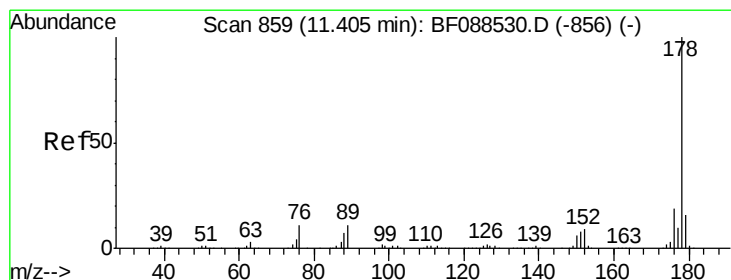
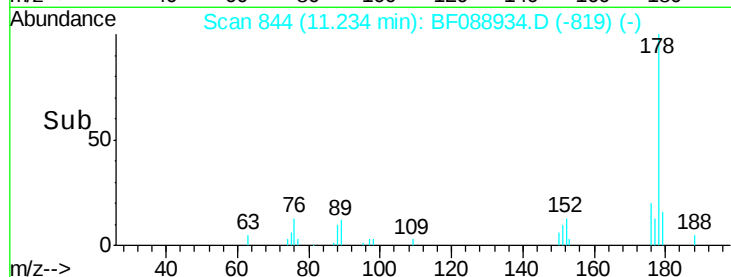
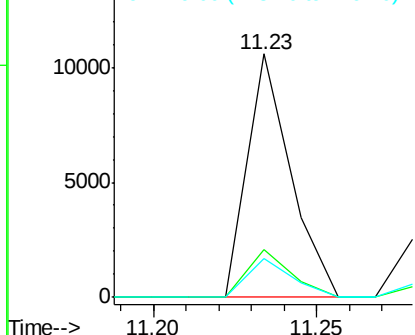
#70
Phenanthrene
Concen: 1.28 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Instrument :
BNA_F
ClientSampled :
C2.3-01

Tgt Ion:178 Resp: 9659
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 15.9 13.0 19.4

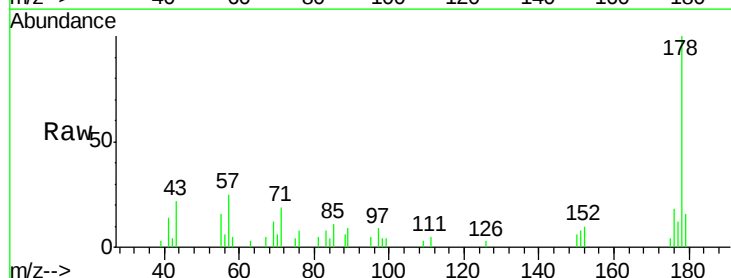


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

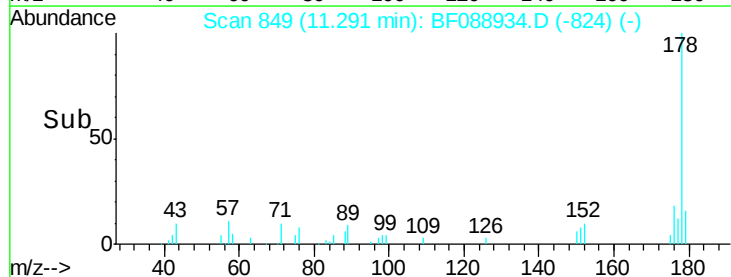
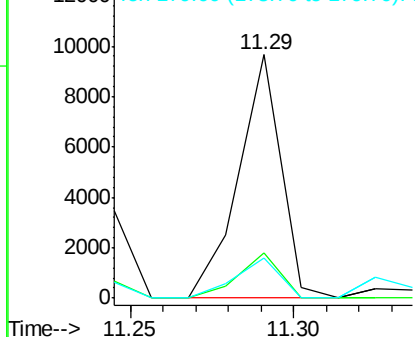


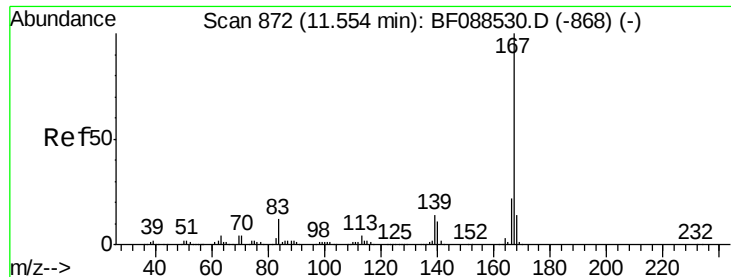
#71
Anthracene
Concen: 1.15 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:178 Resp: 8647
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 16.5 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

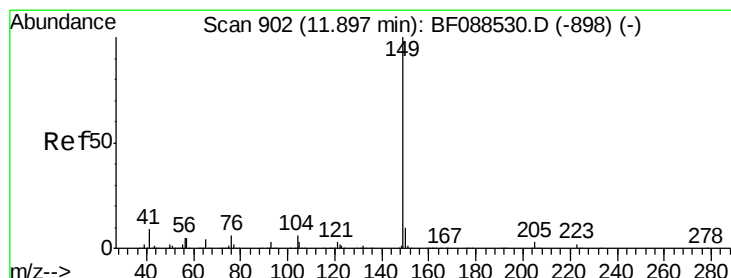
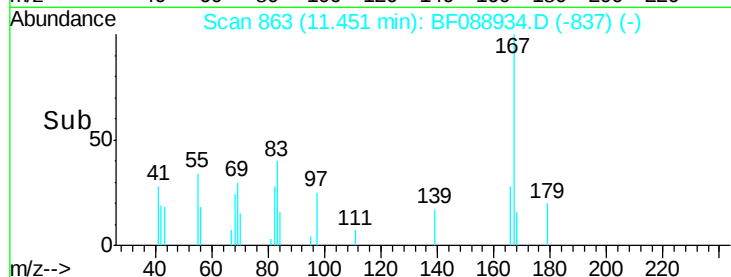
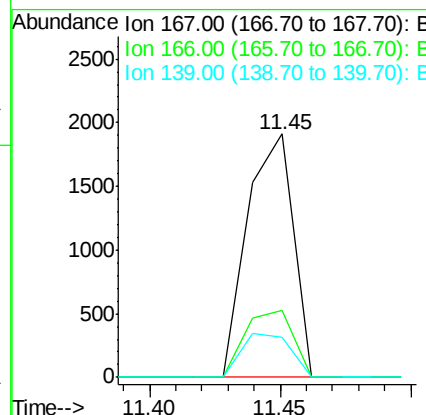
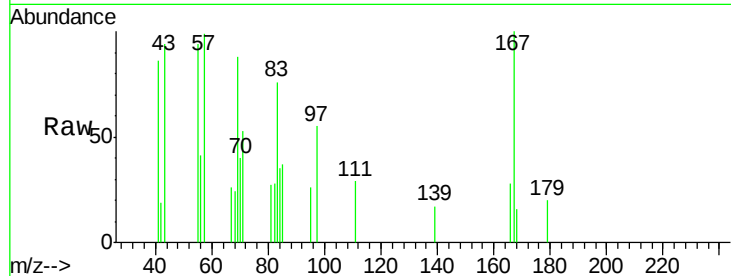




#72
 Carbazole
 Concen: 0.33 ng
 RT: 11.45 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: BF088934.D
 Acq: 12 Jul 2016 22:27

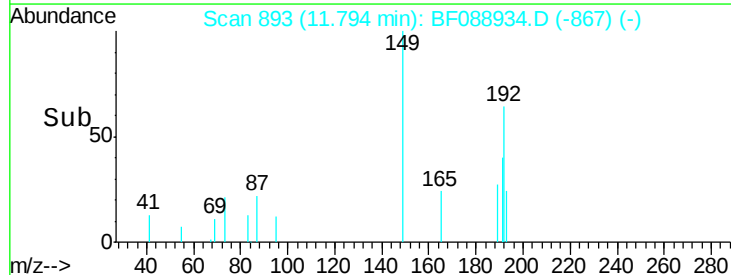
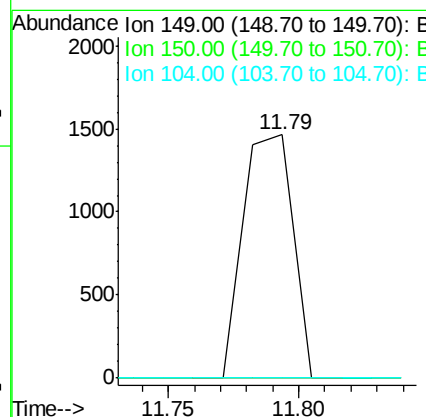
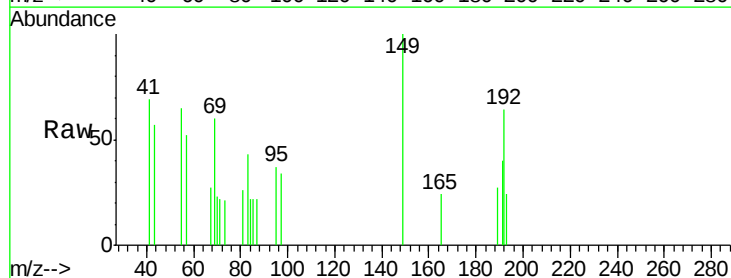
Instrument :
 BNA_F
 ClientSampleId :
 C2.3-01

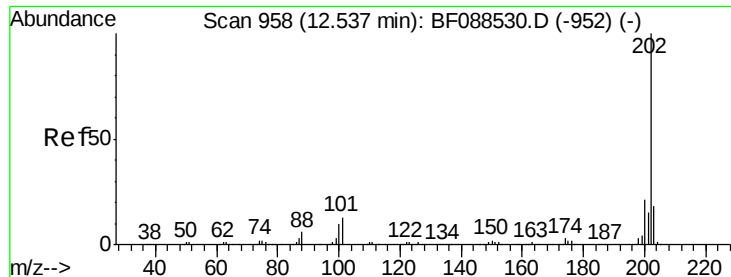
Tgt Ion:167 Resp: 2358
 Ion Ratio Lower Upper
 167 100
 166 27.6 17.8 26.6#
 139 16.7 11.2 16.8



#73
 Di-n-butylphthalate
 Concen: 0.24 ng
 RT: 11.79 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF088934.D
 Acq: 12 Jul 2016 22:27

Tgt Ion:149 Resp: 1970
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.6#
 104 0.0 4.0 6.0#





#74

Fluoranthene

Concen: 2.96 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

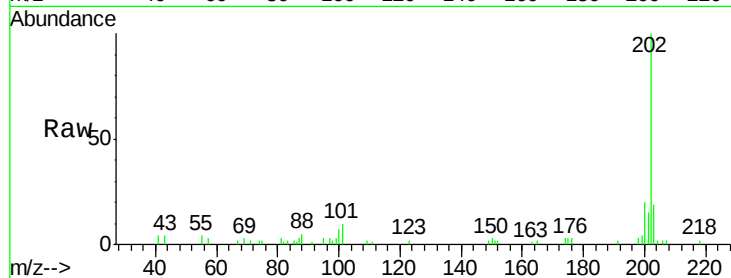
Tgt Ion: 202 Resp: 22589

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.1

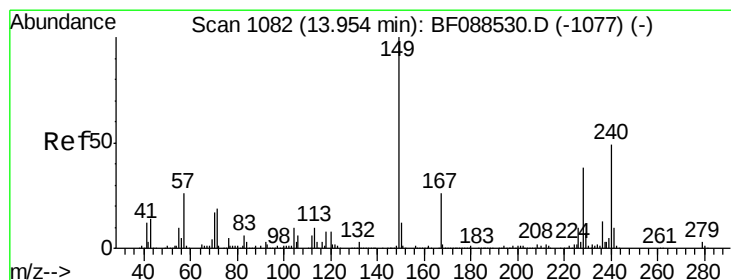
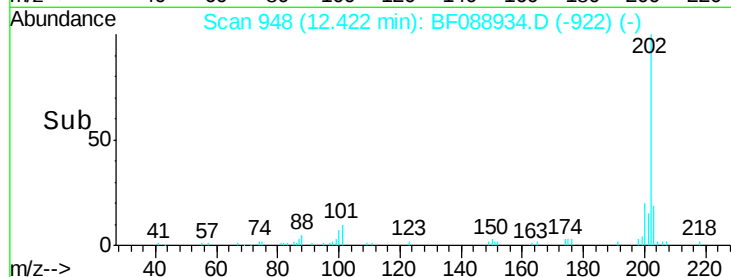
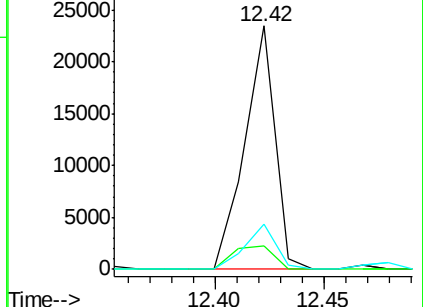
203 18.6 0.0 38.1



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: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

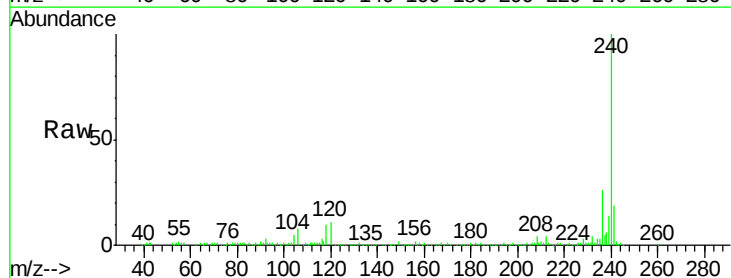
Tgt Ion: 240 Resp: 135059

Ion Ratio Lower Upper

240 100

120 10.6 6.8 10.2#

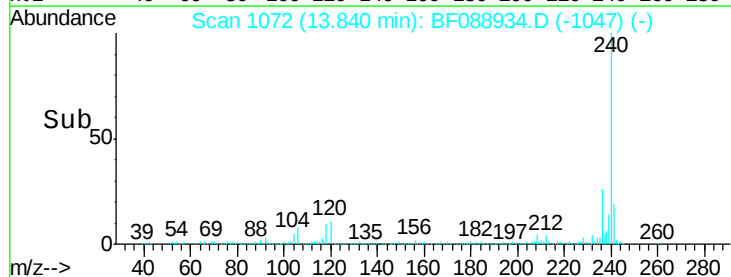
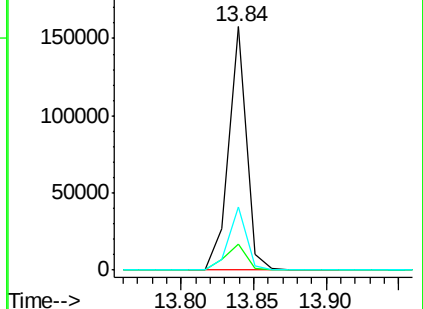
236 26.1 20.2 30.2

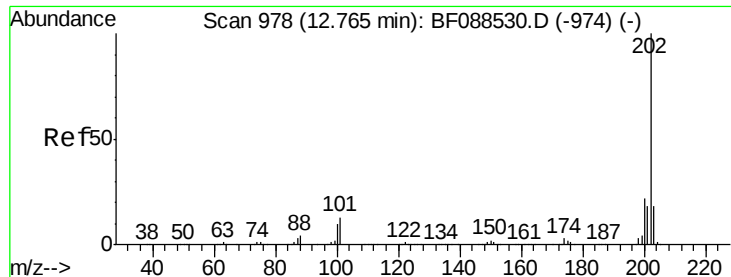


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.14 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

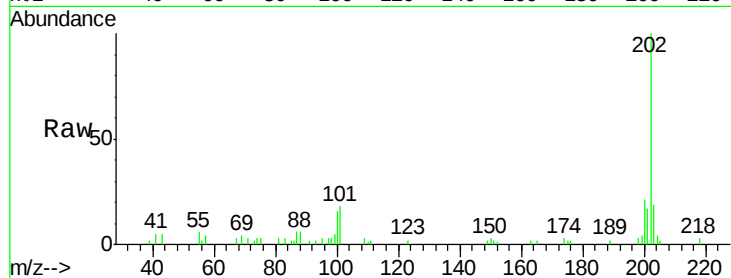
Tgt Ion: 202 Resp: 24527

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

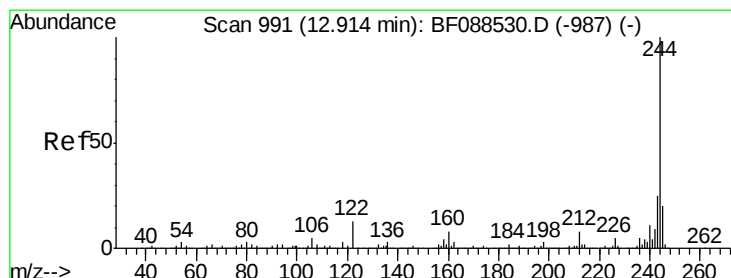
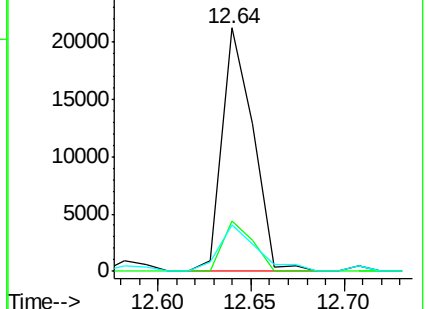
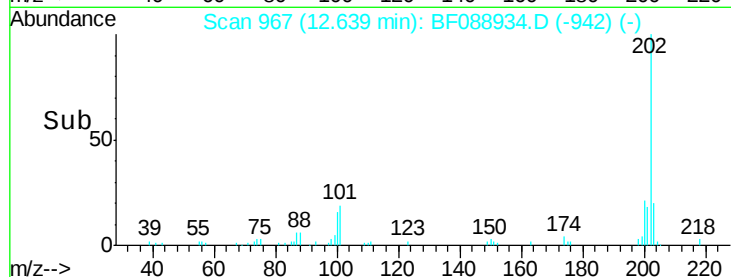
203 19.2 14.5 21.7



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: 56.00 ng

RT: 12.80 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

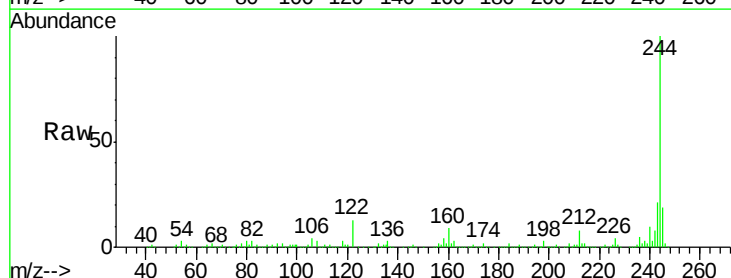
Tgt Ion: 244 Resp: 339558

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

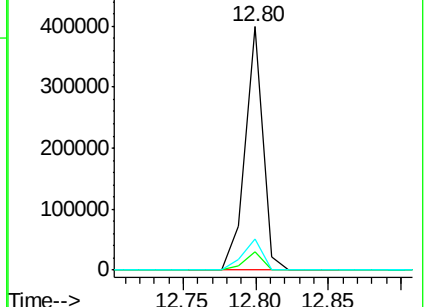
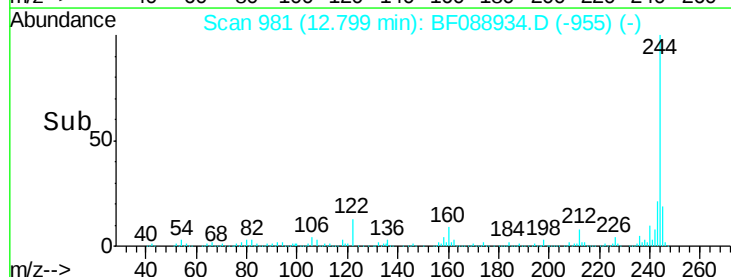
122 12.8 11.2 16.8

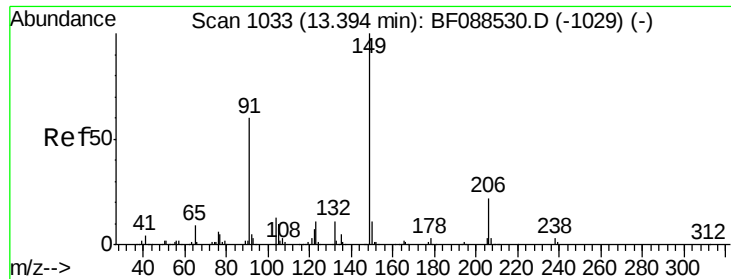


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.12 ng

RT: 13.28 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

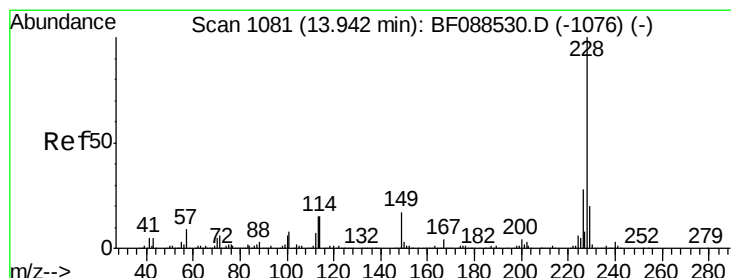
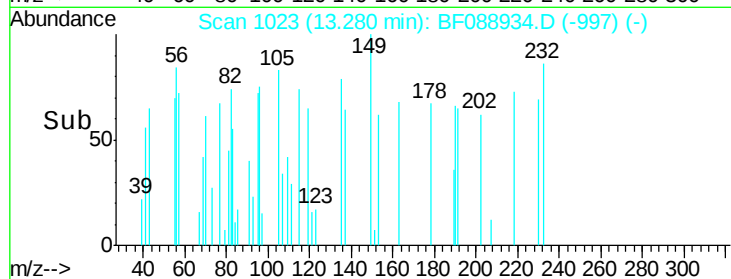
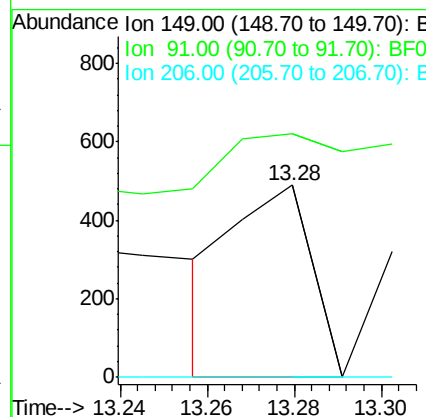
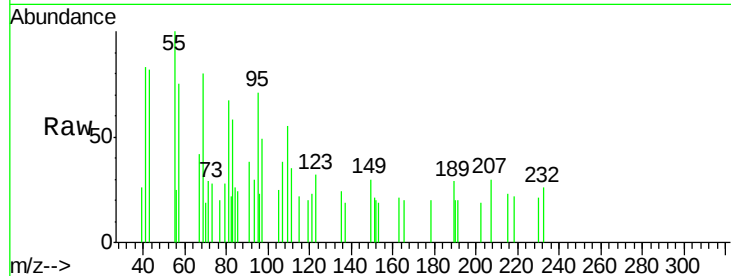
BNA_F

ClientSampleId :

C2.3-01

Tgt Ion:149 Resp: 611

Ion	Ratio	Lower	Upper
149	100		
91	126.7	48.0	72.0#
206	0.0	16.0	24.0#



#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 13.83 min Scan# 1071

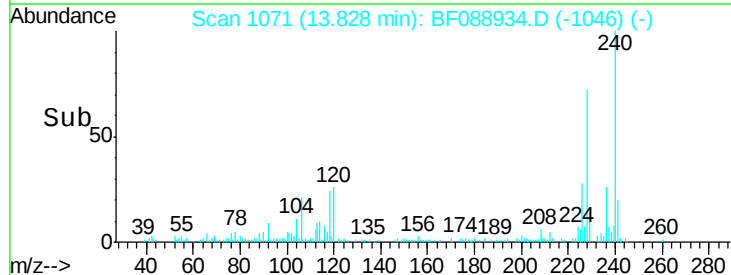
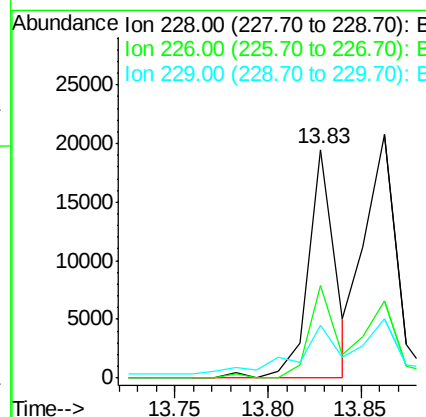
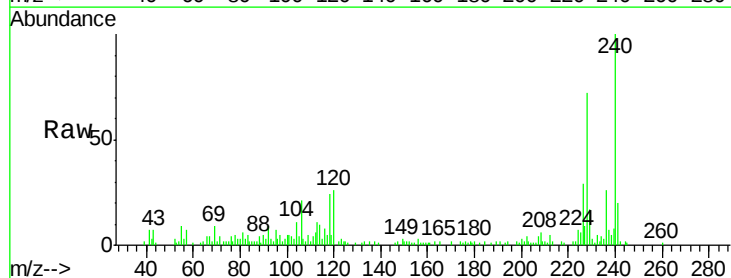
Delta R.T. -0.01 min

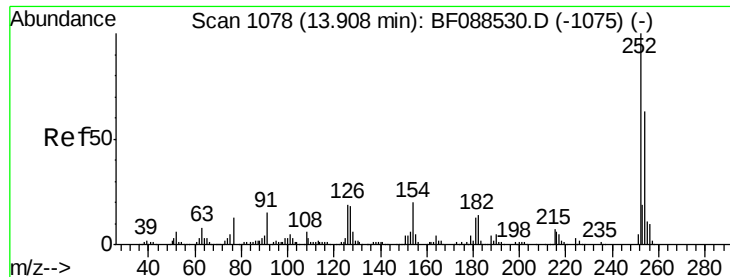
Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Tgt Ion:228 Resp: 19587

Ion	Ratio	Lower	Upper
228	100		
226	40.7	22.3	33.5#
229	23.4	16.0	24.0





#81

3,3'-Dichlorobenzidine

Concen: 0.08 ng

RT: 13.89 min Scan# 1076

Delta R.T. 0.08 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

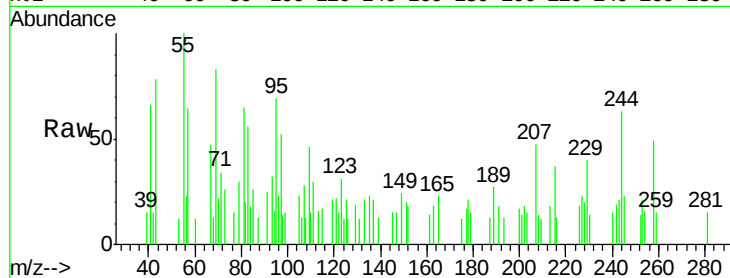
Tgt Ion:252 Resp: 248

Ion Ratio Lower Upper

252 100

254 114.1 52.6 78.8#

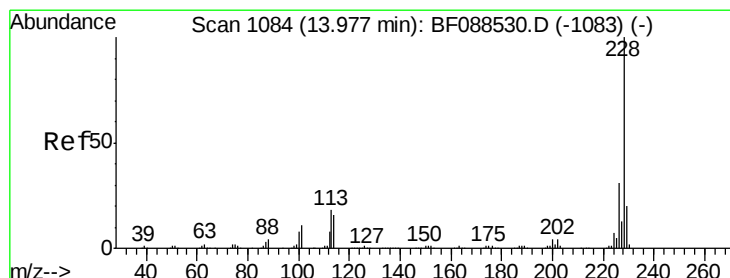
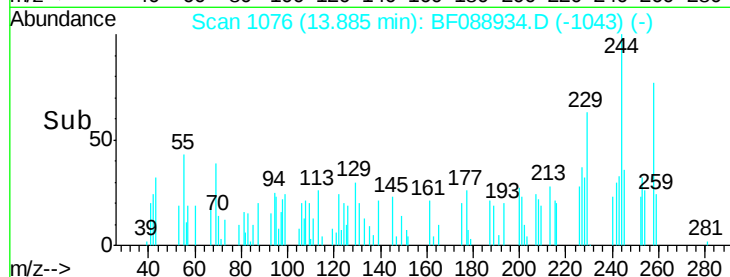
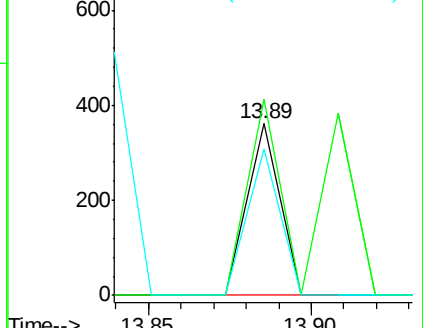
126 85.3 6.2 9.2#



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: 2.28 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

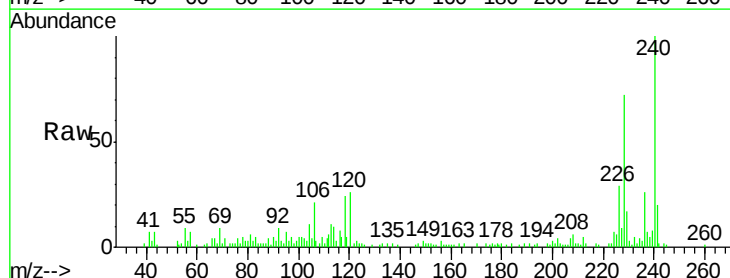
Tgt Ion:228 Resp: 19587

Ion Ratio Lower Upper

228 100

226 40.7 25.4 38.2#

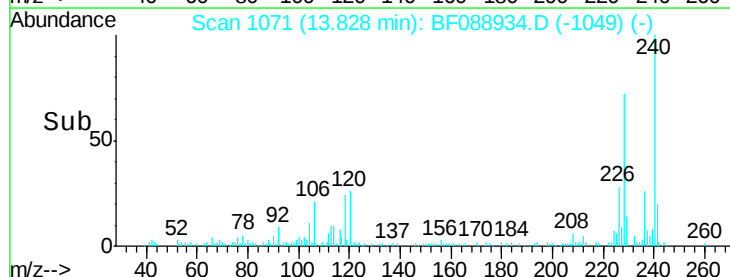
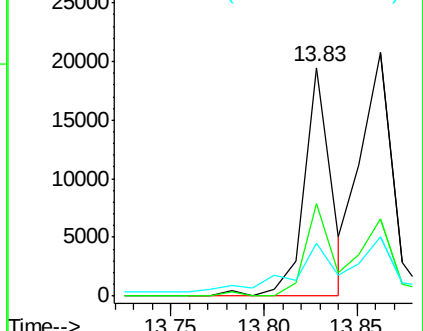
229 23.4 16.3 24.5

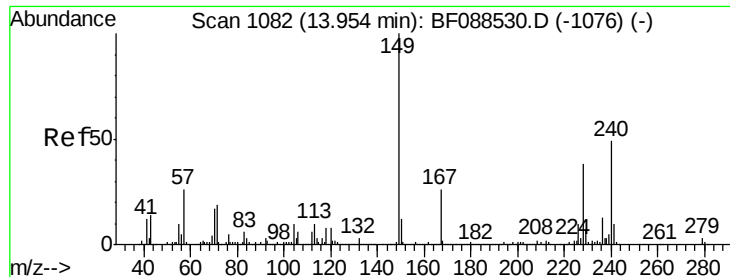


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.51 ng

RT: 13.84 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

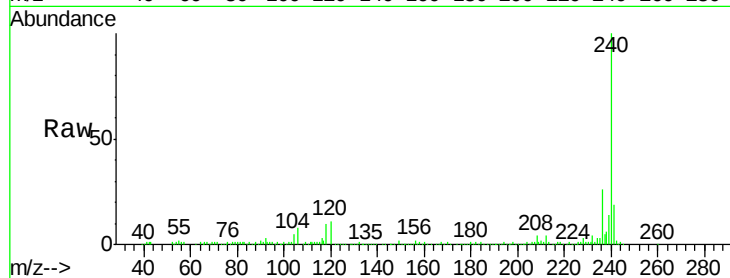
Tgt Ion:149 Resp: 2959

Ion Ratio Lower Upper

149 100

167 35.6 20.5 30.7#

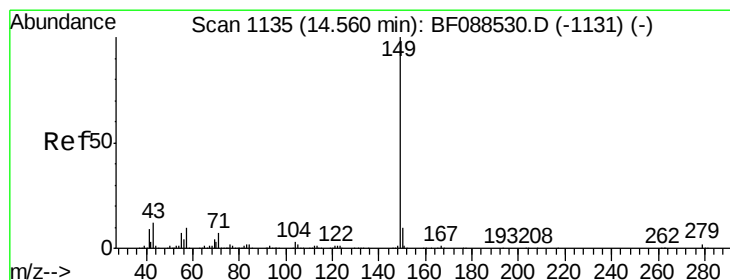
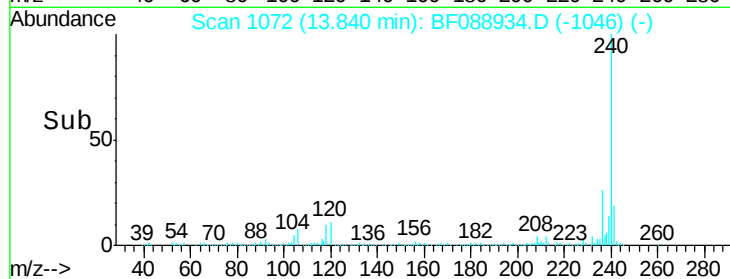
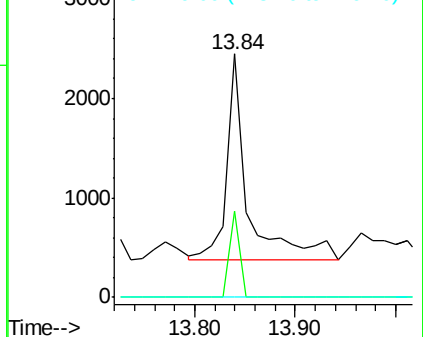
279 0.0 2.0 3.0#



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: 0.04 ng

RT: 14.35 min Scan# 1117

Delta R.T. -0.10 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

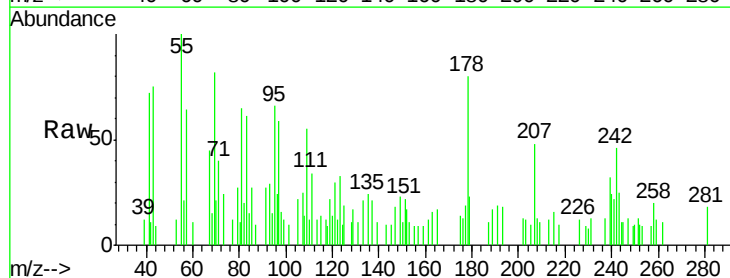
Tgt Ion:149 Resp: 364

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

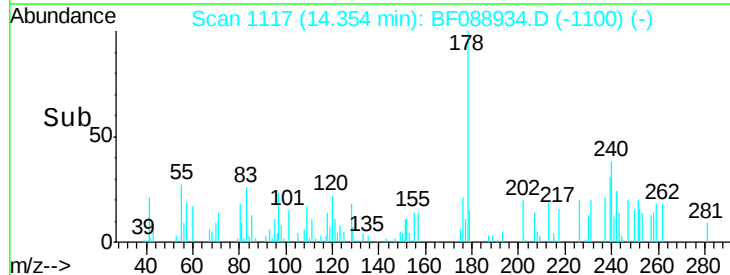
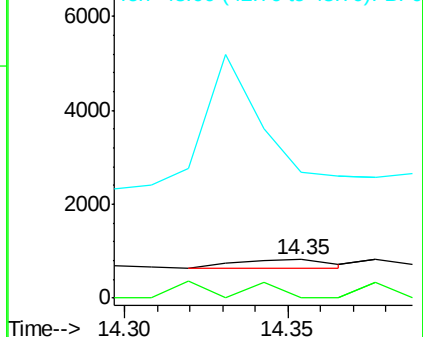
43 0.0 0.0 0.0

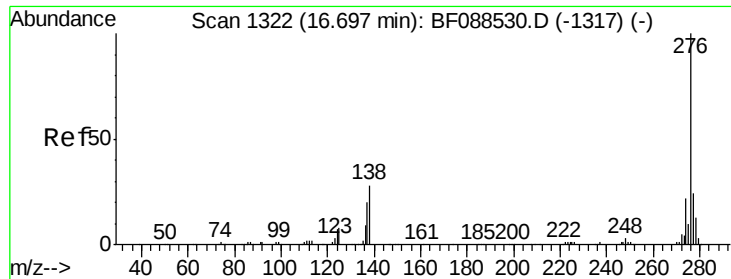


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

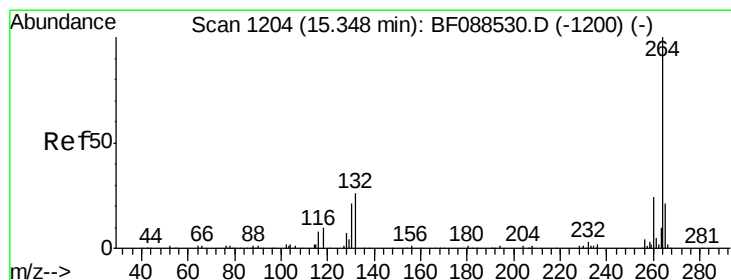
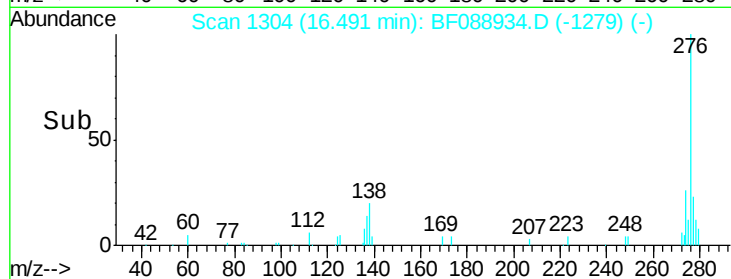
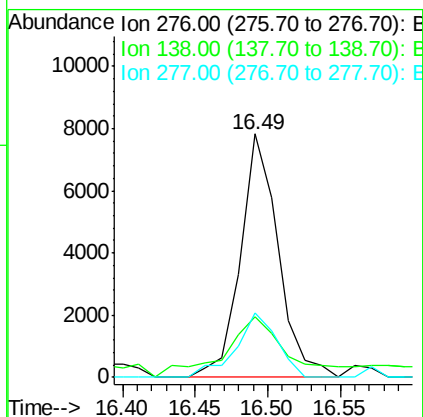
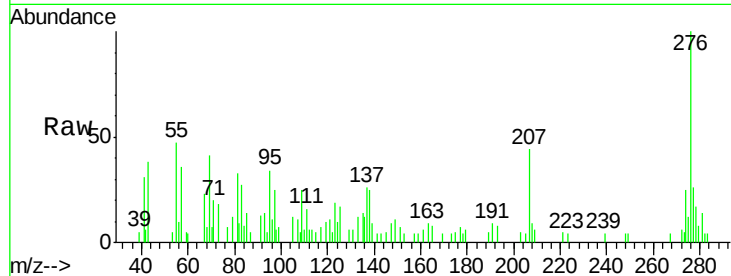




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.14 ng
RT: 16.49 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

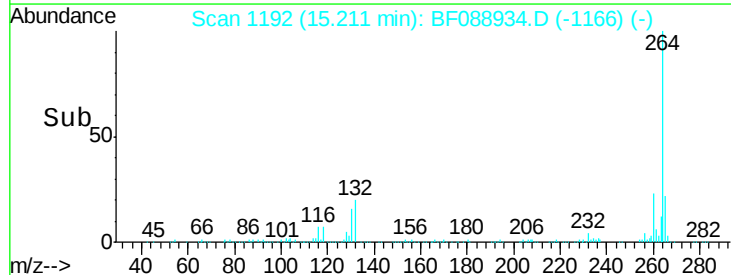
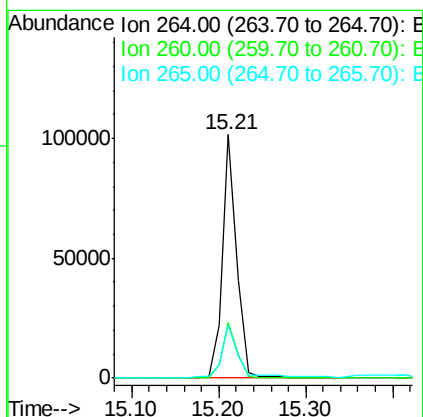
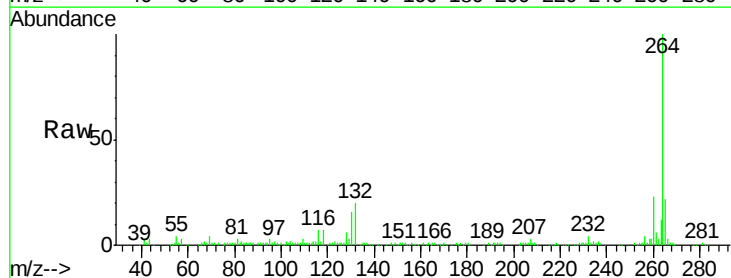
Instrument :
BNA_F
ClientSampleId :
C2.3-01

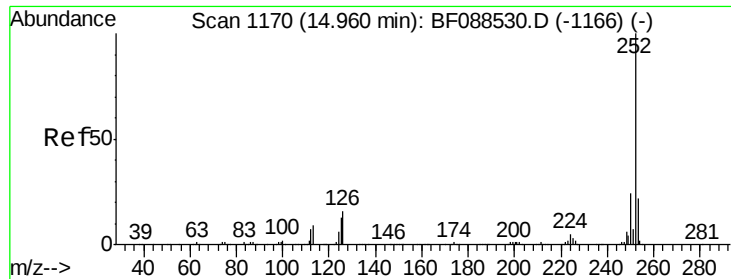
Tgt Ion: 276 Resp: 14135
Ion Ratio Lower Upper
276 100
138 42.0 0.0 0.0#
277 28.4 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion: 264 Resp: 117178
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.7 16.9 25.3

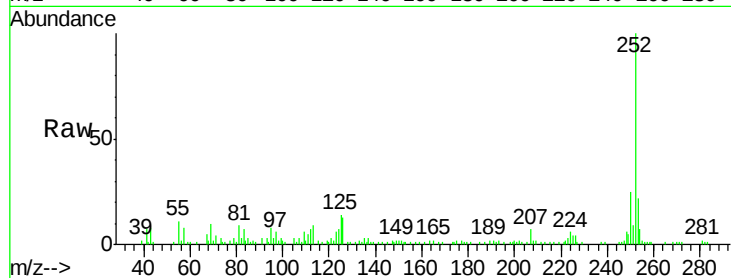




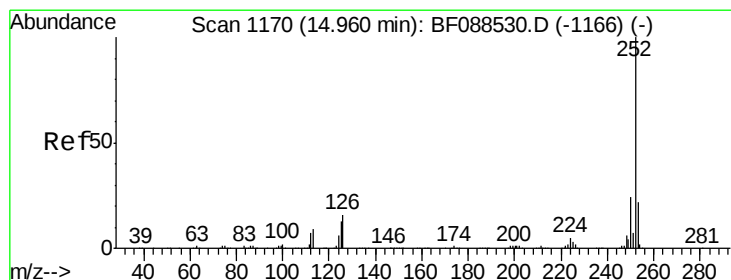
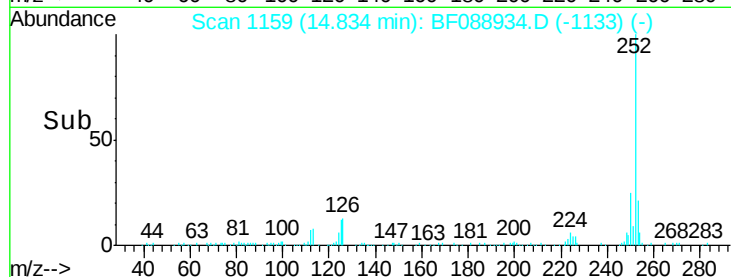
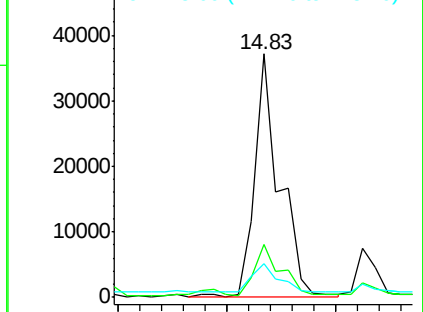
#87
Benzo(b)fluoranthene
Concen: 8.11 ng
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Instrument :
BNA_F
ClientSampled :
C2.3-01

Tgt Ion:252 Resp: 59634
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 13.7 7.1 10.7#

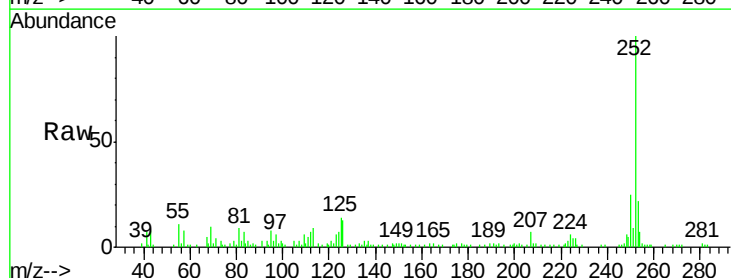


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

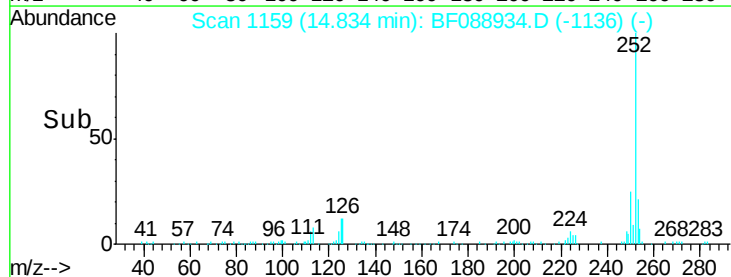
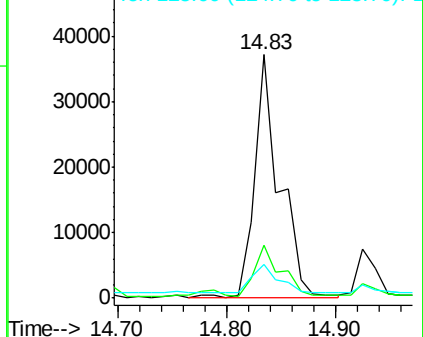


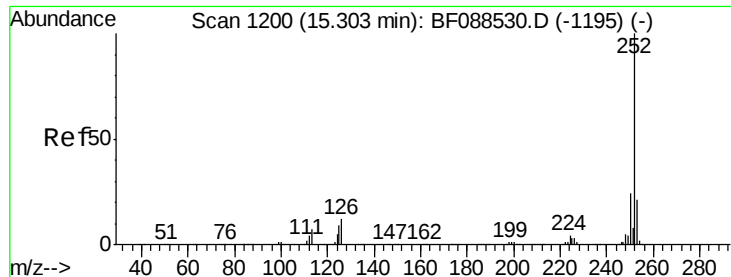
#88
Benzo(k)fluoranthene
Concen: 9.32 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.03 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:252 Resp: 59634
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 13.7 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: 3.28 ng

RT: 15.15 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01

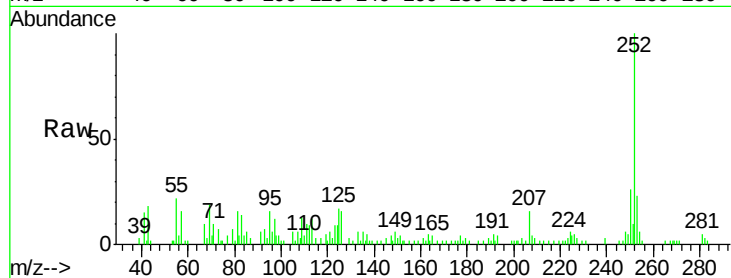
Tgt Ion:252 Resp: 20405

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

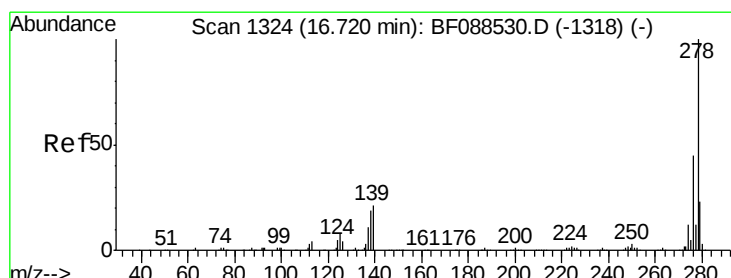
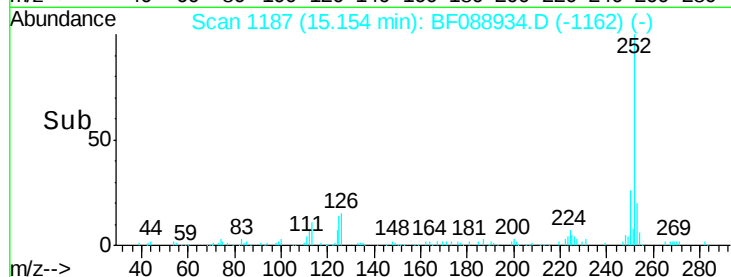
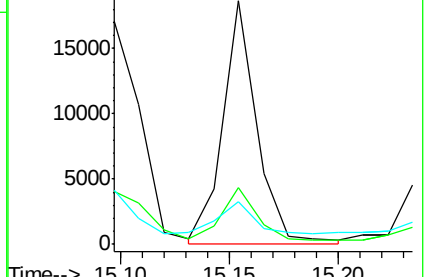
125 17.3 12.5 18.7



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: 0.78 ng

RT: 16.50 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF088934.D

Acq: 12 Jul 2016 22:27

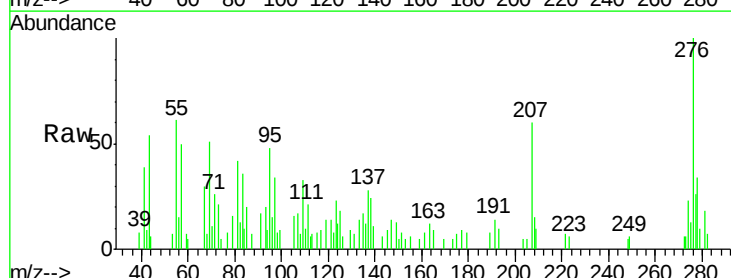
Tgt Ion:278 Resp: 4039

Ion Ratio Lower Upper

278 100

139 32.0 15.7 23.5#

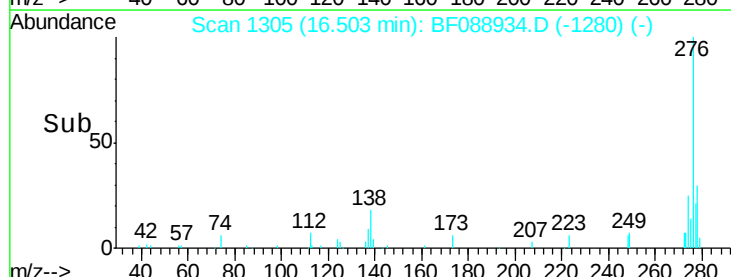
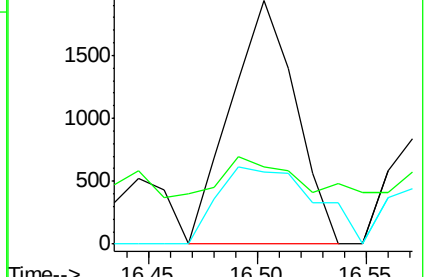
279 29.9 19.4 29.2#

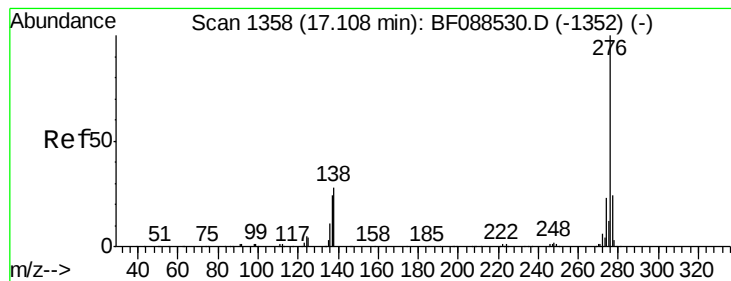


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.22 ng

RT: 16.88 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF088934.D

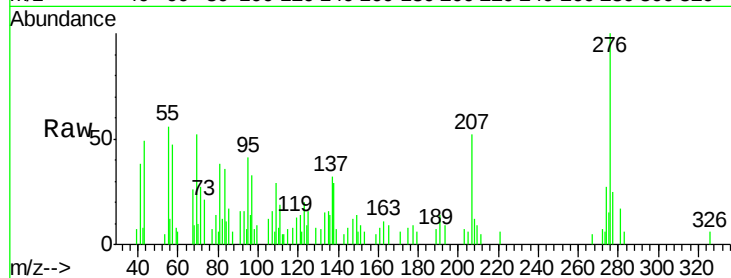
Acq: 12 Jul 2016 22:27

Instrument :

BNA_F

ClientSampleId :

C2.3-01



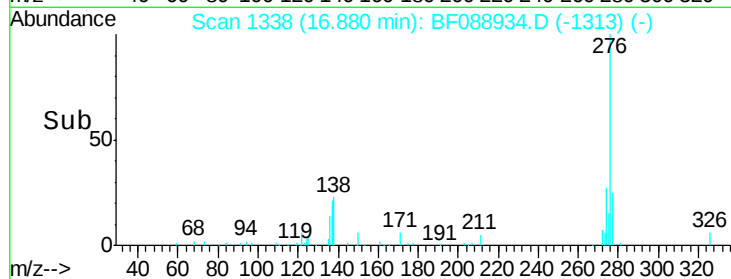
Tgt Ion: 276 Resp: 11928

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 28.9 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

