

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071216\
 Data File : BF088927.D
 Acq On : 12 Jul 2016 16:53
 Operator : UM/SJ
 Sample : H3889-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-11

Quant Time: Jul 13 02:14:58 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	75979	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	274717	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	110276	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	153540	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	135538	20.00	ng	-0.01
86) Perylene-d12	15.22	264	133507	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	366511	72.30	ng	0.00
7) Phenol-d6	6.35	99	534967	81.67	ng	0.00
23) Nitrobenzene-d5	7.27	82	280128	53.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	75386	73.62	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	502980	72.05	ng	0.00
78) Terphenyl-d14	12.80	244	237319	39.00	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.47	93	669	0.07	ng	# 1
8) 2-Chlorophenol	6.71	128	276	0.05	ng	# 1
9) Benzaldehyde	6.24	77	753	0.17	ng	# 75
10) Phenol	6.36	94	1287	0.17	ng	# 91
11) bis(2-Chloroethyl)ether	6.47	93	669	0.12	ng	# 1
15) Benzyl Alcohol	6.86	79	10105	2.10	ng	# 61
16) 2,2'-oxybis(1-Chloropropan	6.88	45	505	0.06	ng	# 38
17) 2-Methylphenol	6.84	107	2394	0.54	ng	# 1
18) Hexachloroethane	7.32	117	665	0.29	ng	# 1
19) n-Nitroso-di-n-propylamine	7.27	70	38080	8.65	ng	# 75
22) Acetophenone	7.12	105	617	0.09	ng	# 57
24) Nitrobenzene	7.27	77	959	0.18	ng	# 22
25) Isophorone	7.27	82	237122	24.42	ng	# 65
31) Naphthalene	8.01	128	4772	0.35	ng	# 97
33) 4-Chloroaniline	8.01	127	571	0.09	ng	# 22
37) 2-Methylnaphthalene	8.70	142	1252	0.14	ng	# 87
45) 1,1'-Biphenyl	9.16	154	469	0.05	ng	# 43
47) 2-Nitroaniline	9.32	65	418	0.16	ng	# 39
48) Acenaphthylene	9.60	152	31731	2.78	ng	# 99
49) Dimethylphthalate	9.47	163	521412	66.37	ng	# 99
50) 2,6-Dinitrotoluene	9.51	165	2318	1.33	ng	# 37
51) Acenaphthene	9.77	154	2569	0.37	ng	# 96
54) Dibenzofuran	9.94	168	1584	0.17	ng	# 94
55) 4-Nitrophenol	9.94	139	479	0.28	ng	# 33
56) 2,4-Dinitrotoluene	9.74	165	14130	6.21	ng	# 36
57) Fluorene	10.28	166	5069	0.72	ng	# 88
59) Diethylphthalate	10.16	149	1467	0.19	ng	# 79
61) 4-Nitroaniline	10.52	138	1761	0.83	ng	# 1
62) Azobenzene	10.46	77	816	0.09	ng	# 2
65) n-Nitrosodiphenylamine	10.52	169	2982	0.57	ng	# 48
66) 4-Bromophenyl-phenylether	10.52	248	5372	3.47	ng	# 1
70) Phenanthrene	11.23	178	34581	4.12	ng	# 98
71) Anthracene	11.29	178	28881	3.46	ng	# 100
72) Carbazole	11.45	167	7367	0.94	ng	# 61

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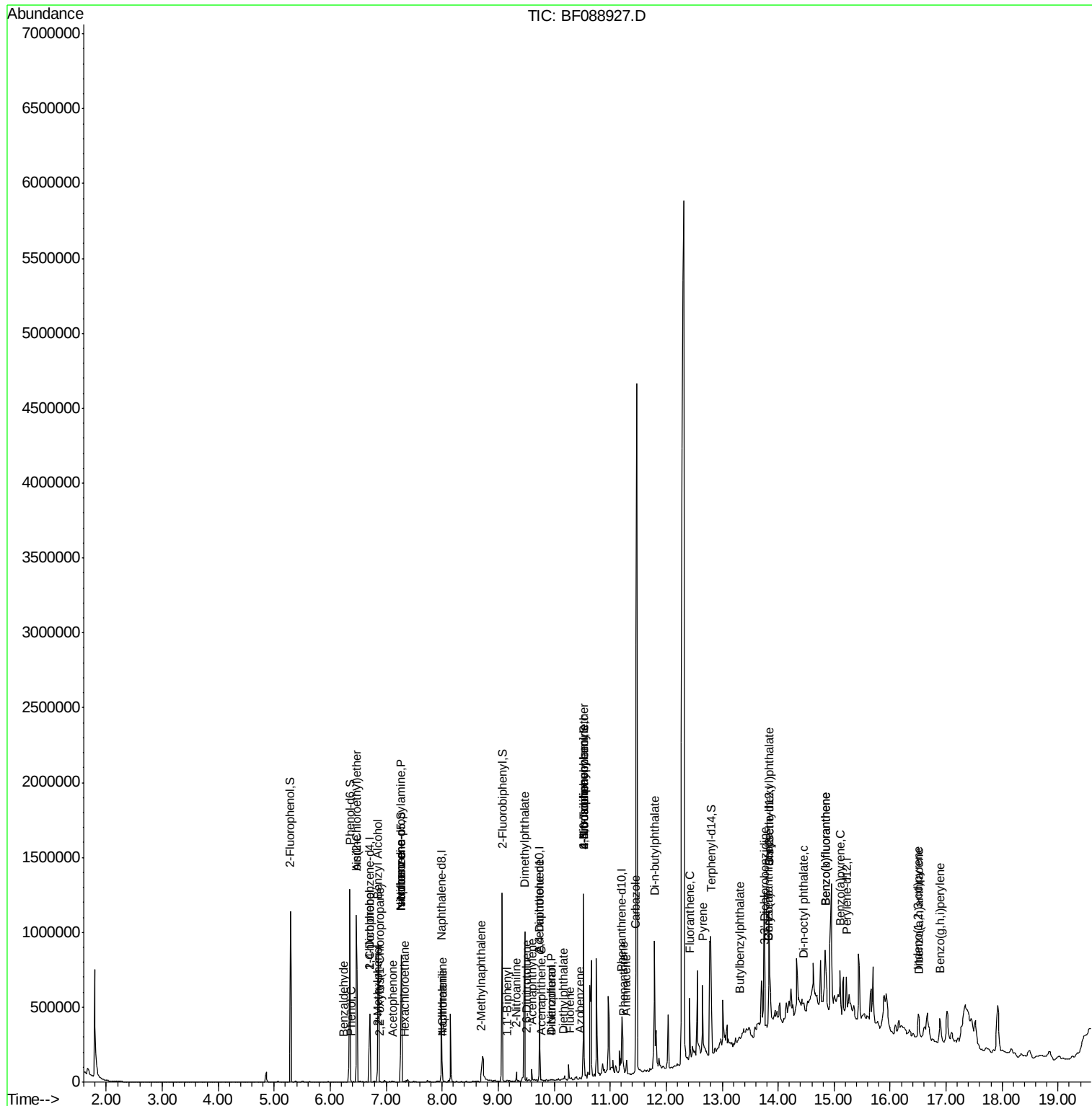
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

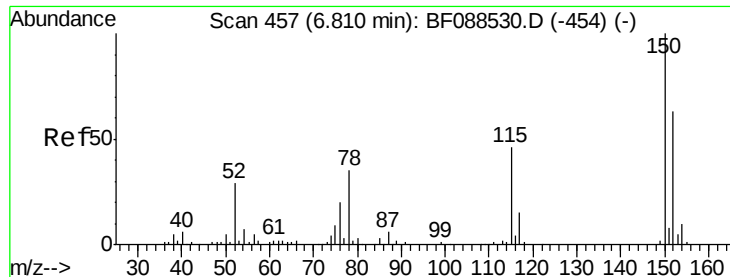
73) Di-n-butylphthalate	11.79	149	2543	0.28	ng	# 58
74) Fluoranthene	12.42	202	151350	17.79	ng	99
77) Pyrene	12.65	202	166815	14.52	ng	99
79) Butylbenzylphthalate	13.31	149	929	0.18	ng	# 27
80) Benzo(a)anthracene	13.83	228	128512	14.72	ng	93
81) 3,3'-Dichlorobenzidine	13.76	252	427	0.13	ng	# 1
82) Chrysene	13.83	228	128512	14.88	ng	98
83) Bis(2-ethylhexyl)phthalate	13.84	149	81223	13.88	ng	98
84) Di-n-octyl phthalate	14.46	149	1385	0.14	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.50	276	91427	13.76	ng	# 100
87) Benzo(b)fluoranthene	14.85	252	264187	31.54	ng	# 94
88) Benzo(k)fluoranthene	14.85	252	264181	36.23	ng	98
89) Benzo(a)pyrene	15.11	252	117936	16.63	ng	97
90) Dibenzo(a,h)anthracene	16.51	278	22908	3.87	ng	# 88
91) Benzo(g,h,i)perylene	16.89	276	105600	17.23	ng	99

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

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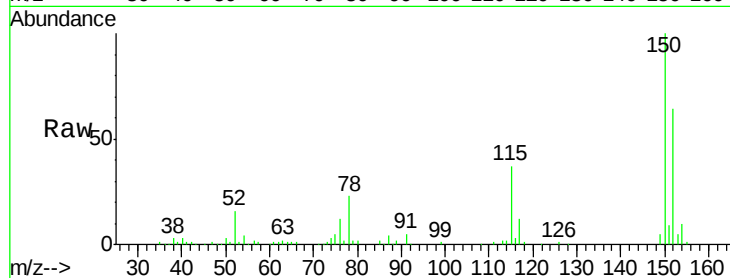


#1

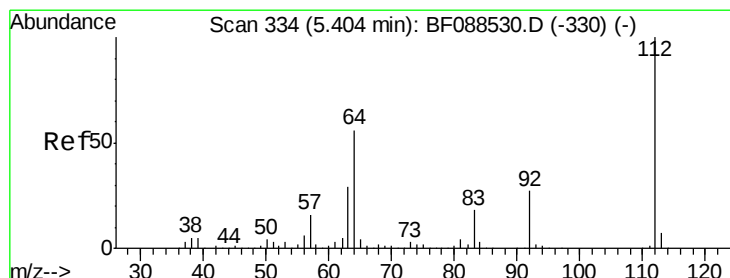
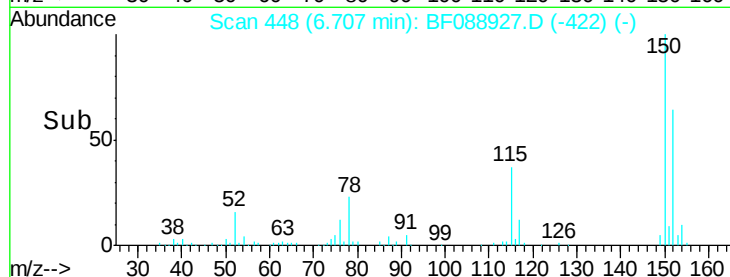
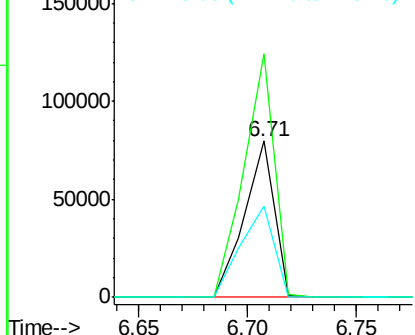
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Instrument :
BNA_F
ClientSampleId :
SS-11

Tgt Ion:152 Resp: 75979
Ion Ratio Lower Upper
152 100
150 155.9 123.8 185.6
115 58.1 39.6 59.4



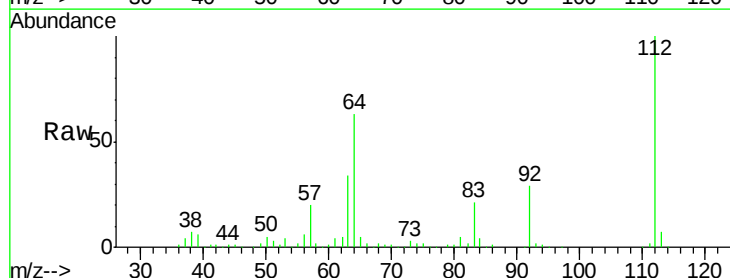
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



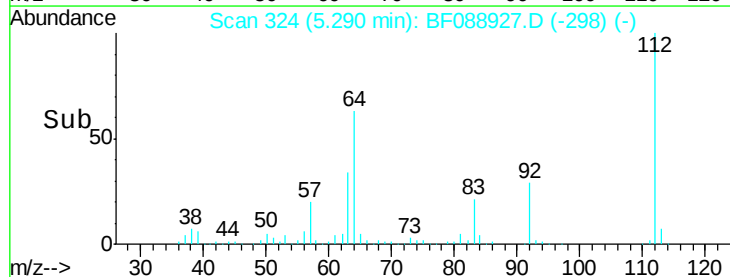
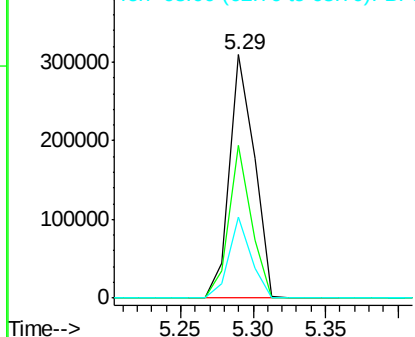
#5

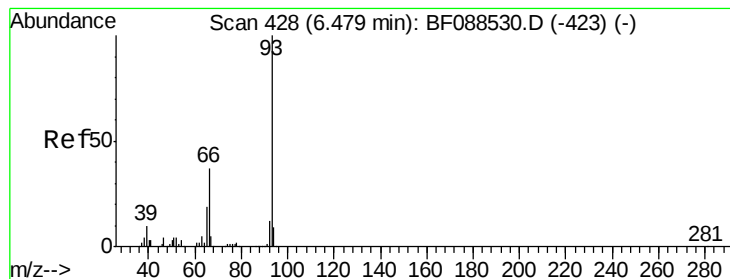
2-Fluorophenol
Concen: 72.30 ng
RT: 5.29 min Scan# 324
Delta R.T. -0.00 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion:112 Resp: 366511
Ion Ratio Lower Upper
112 100
64 62.9 42.2 63.2
63 33.5 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: 0.07 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.09 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

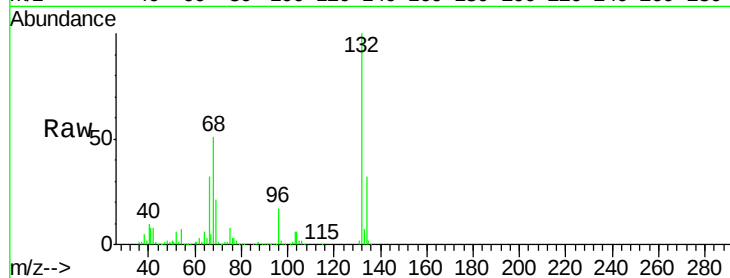
Tgt Ion: 93 Resp: 669

Ion Ratio Lower Upper

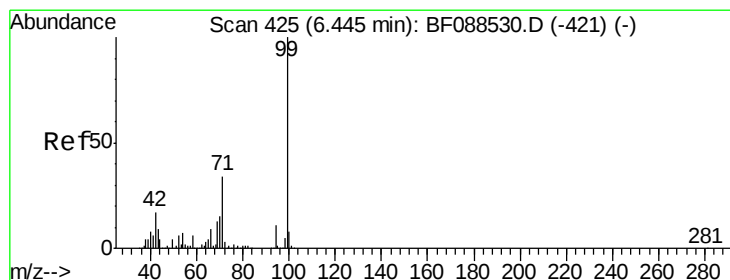
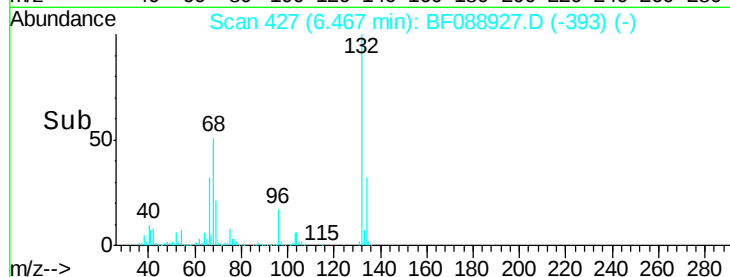
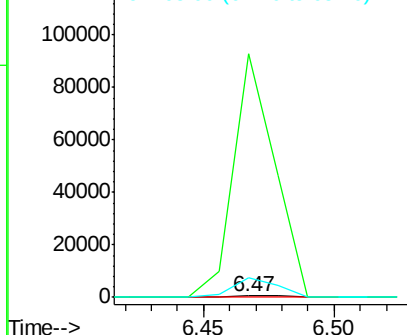
93 100

66 17554.6 29.8 44.8#

65 1414.7 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: 81.67 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

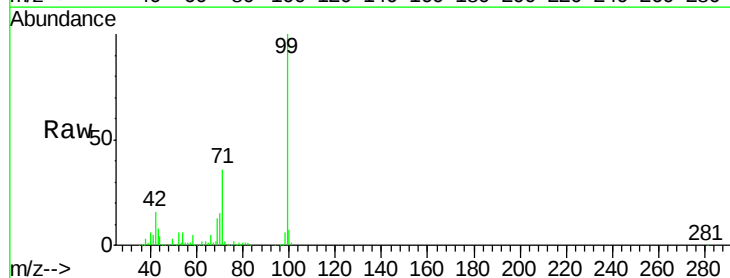
Tgt Ion: 99 Resp: 534967

Ion Ratio Lower Upper

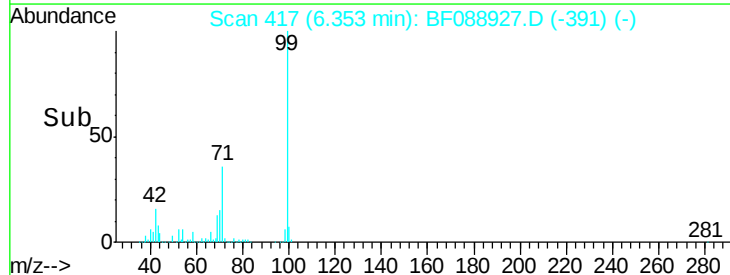
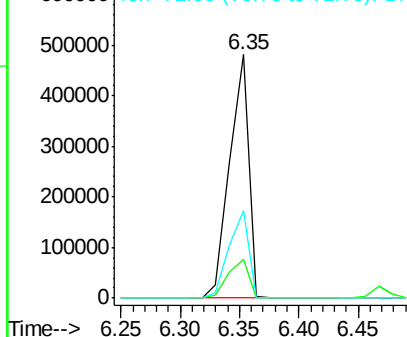
99 100

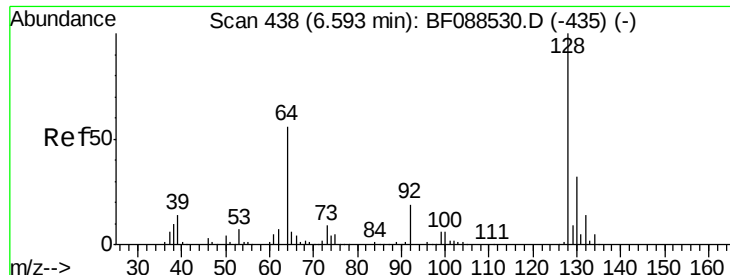
42 15.9 12.2 18.2

71 35.7 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





#8

2-Chlorophenol

Concen: 0.05 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.22 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

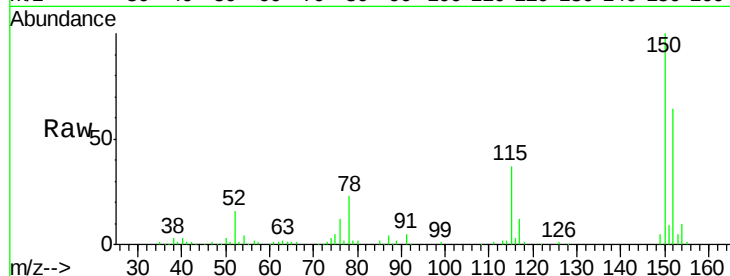
Tgt Ion:128 Resp: 276

Ion Ratio Lower Upper

128 100

130 0.0 12.0 52.0#

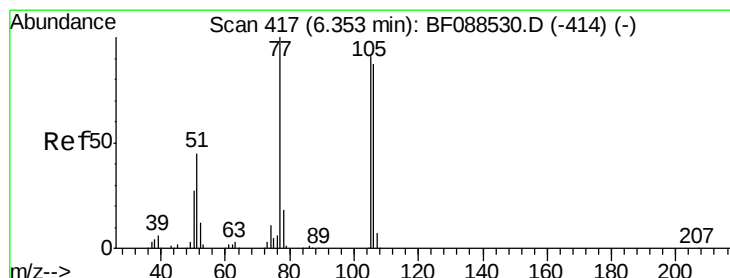
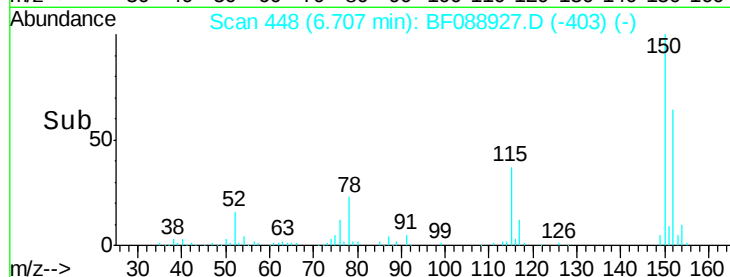
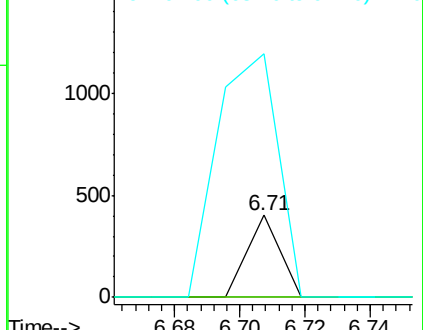
64 296.3 30.8 70.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): E



#9

Benzaldehyde

Concen: 0.17 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

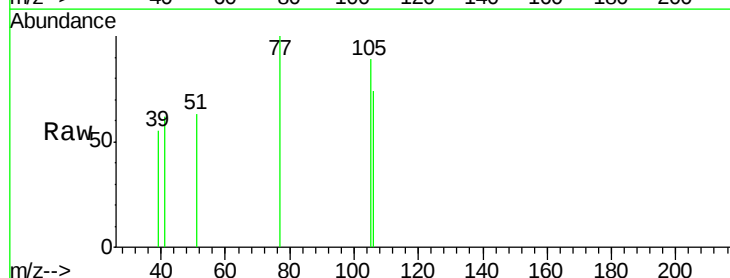
Tgt Ion: 77 Resp: 753

Ion Ratio Lower Upper

77 100

105 89.2 90.6 130.6#

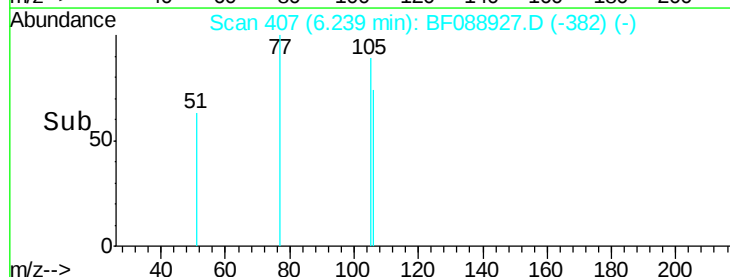
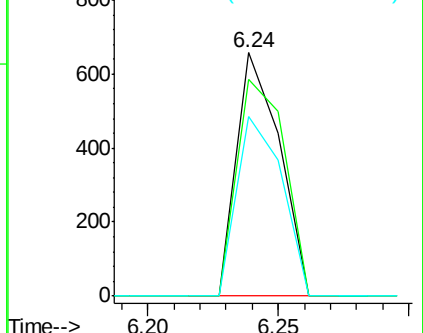
106 73.9 85.3 125.3#

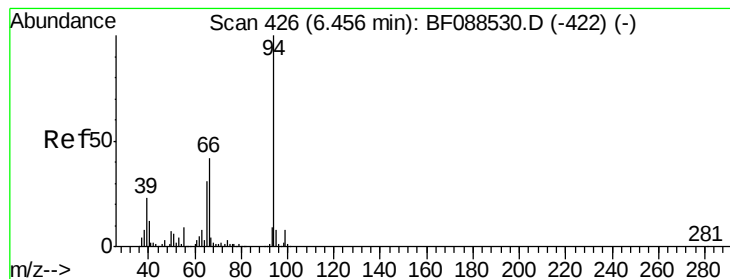


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.17 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

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ClientSampleId :

SS-11

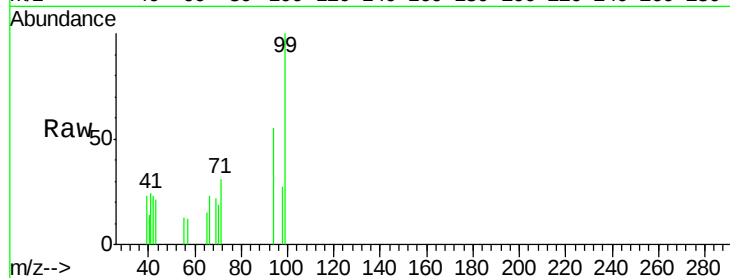
Tgt Ion: 94 Resp: 1287

Ion Ratio Lower Upper

94 100

65 27.3 5.9 45.9

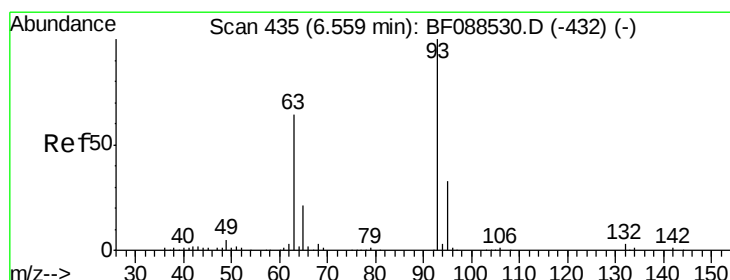
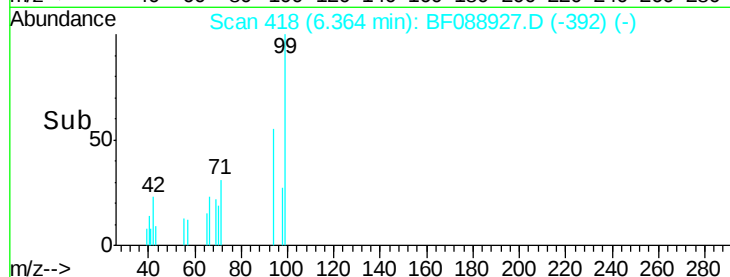
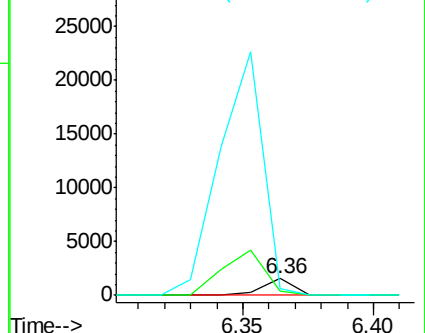
66 42.2 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.12 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

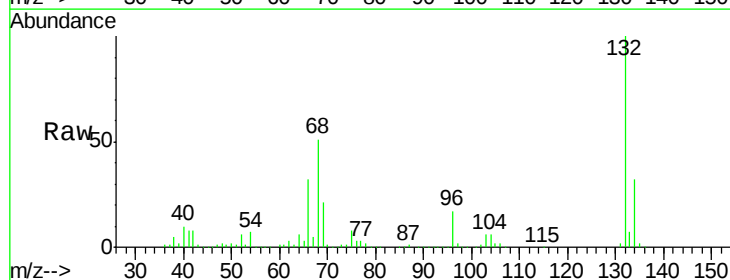
Tgt Ion: 93 Resp: 669

Ion Ratio Lower Upper

93 100

63 678.1 67.6 107.6#

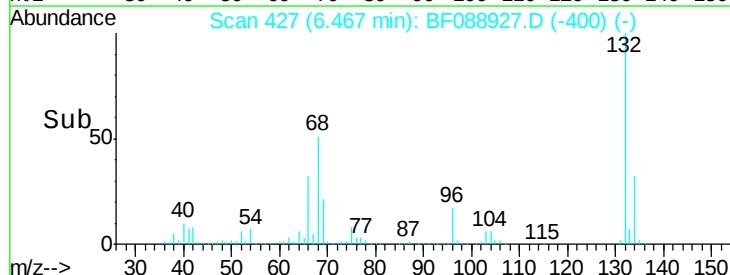
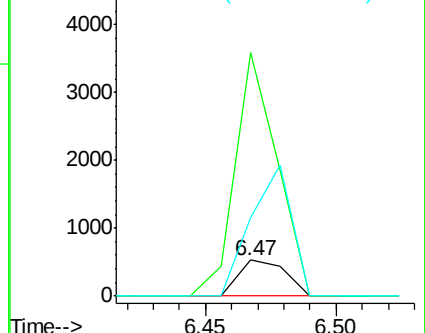
95 217.8 12.5 52.5#

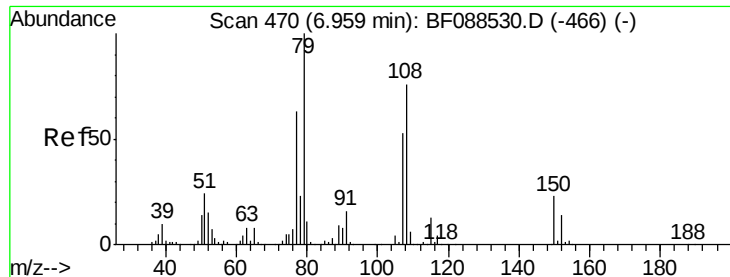


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

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ClientSampled :

SS-11

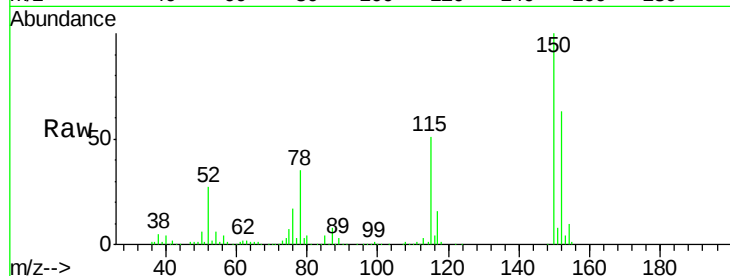
Tgt Ion: 79 Resp: 10105

Ion Ratio Lower Upper

79 100

108 40.6 65.0 97.6#

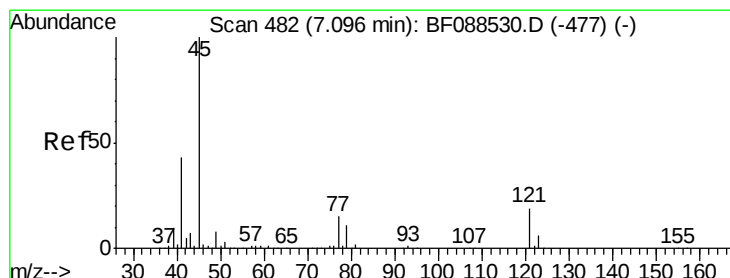
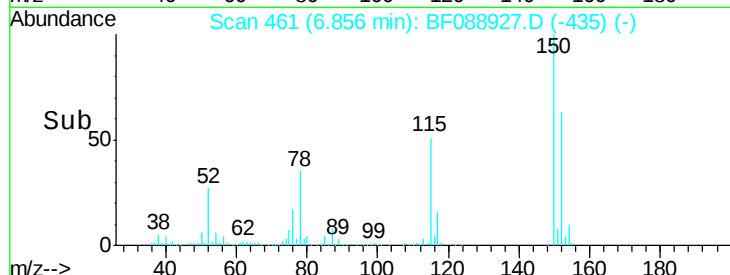
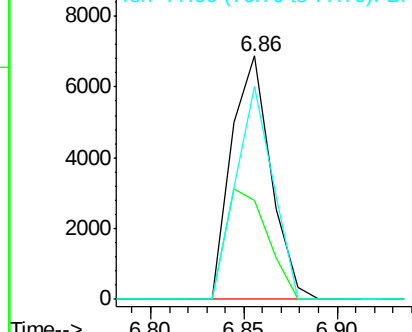
77 87.2 50.3 75.5#



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.06 ng

RT: 6.88 min Scan# 463

Delta R.T. -0.11 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

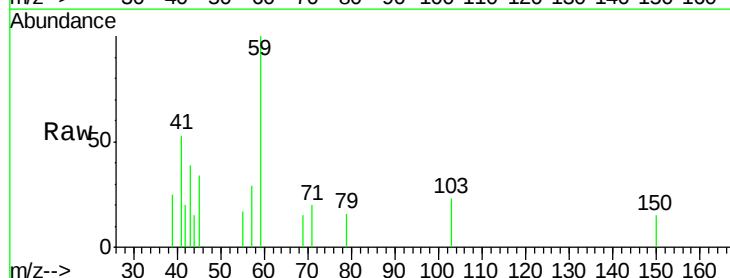
Tgt Ion: 45 Resp: 505

Ion Ratio Lower Upper

45 100

77 0.0 0.0 32.5

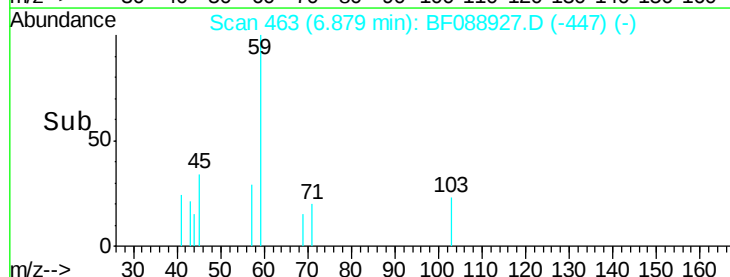
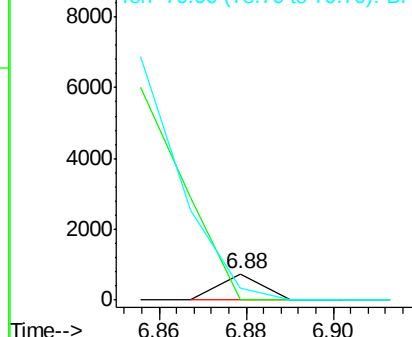
79 47.1 0.0 29.5#

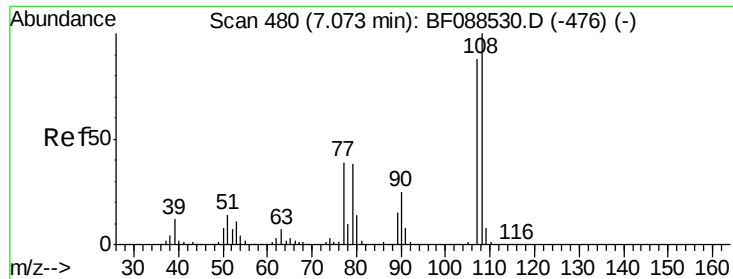


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

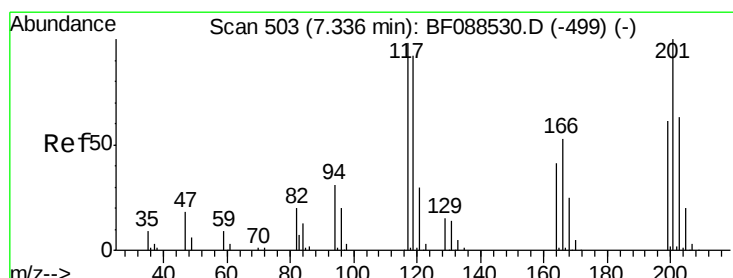
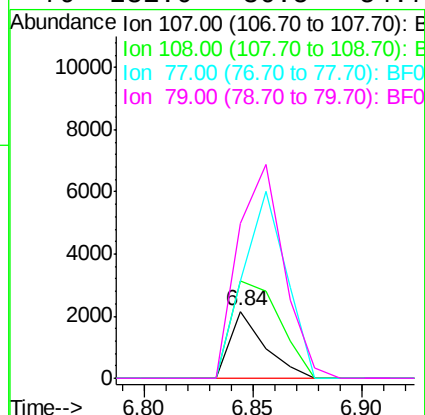
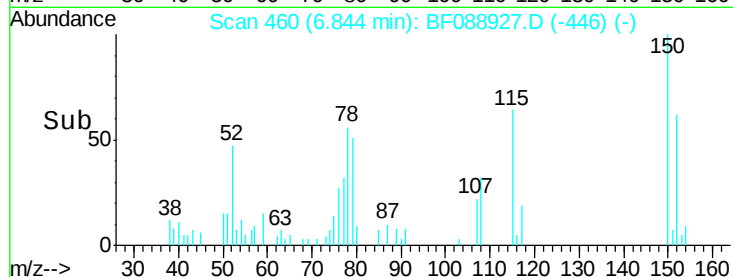
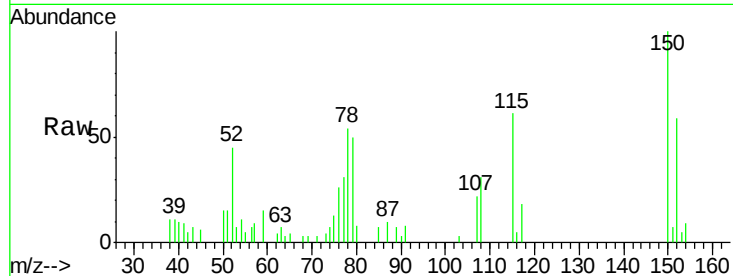




#17
2-Methylphenol
Concen: 0.54 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.14 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

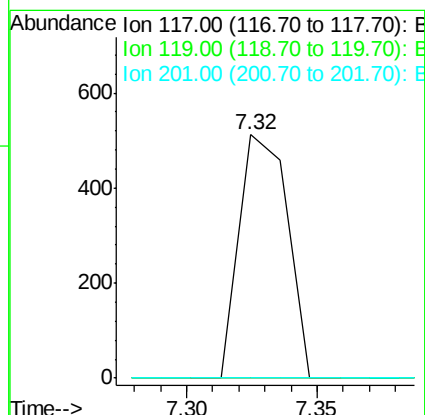
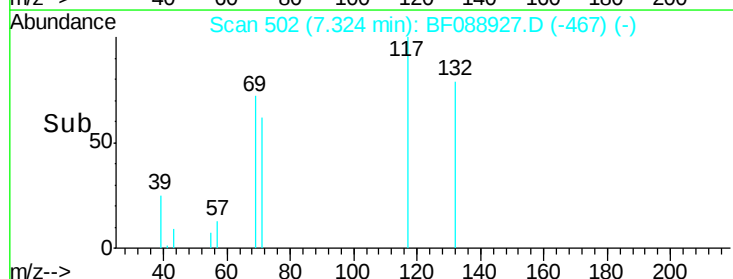
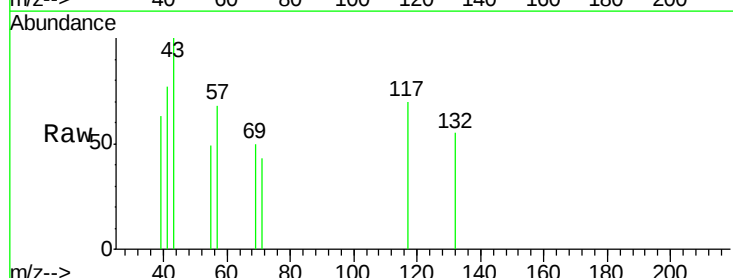
Instrument :
BNA_F
ClientSampleId :
SS-11

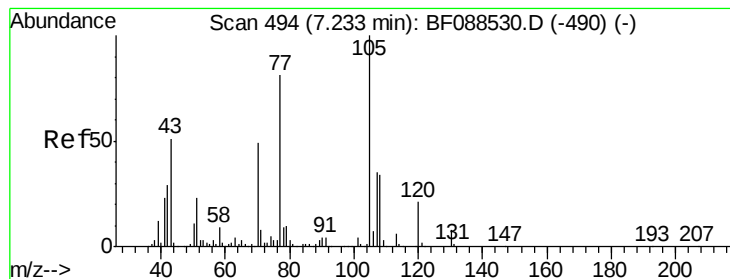
Tgt Ion:107 Resp: 2394
Ion Ratio Lower Upper
107 100
108 144.3 90.9 136.3#
77 145.5 36.6 55.0#
79 231.0 36.5 54.7#



#18
Hexachloroethane
Concen: 0.29 ng
RT: 7.32 min Scan# 502
Delta R.T. 0.10 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion:117 Resp: 665
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.2#
201 0.0 80.4 120.6#





#19

n-Nitroso-di-n-propylamine

Concen: 8.65 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.13 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

Tgt Ion: 70 Resp: 38080

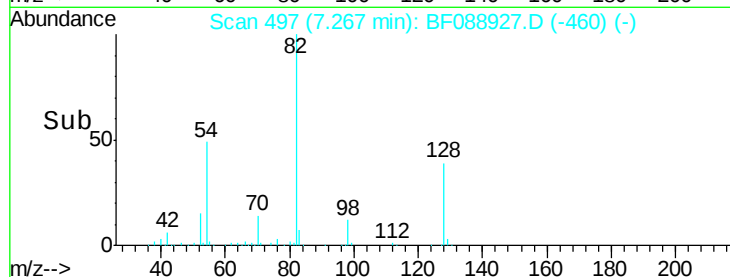
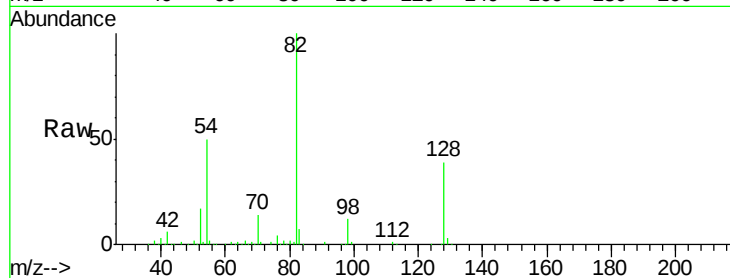
Ion Ratio Lower Upper

70 100

42 46.3 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#

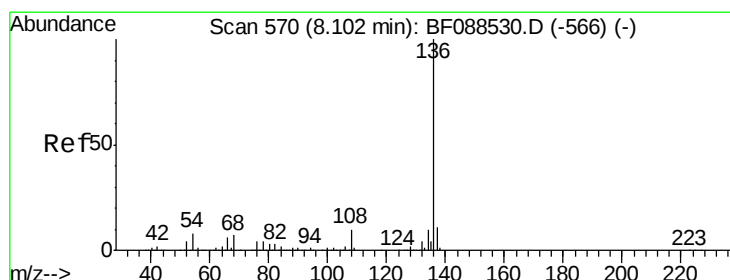
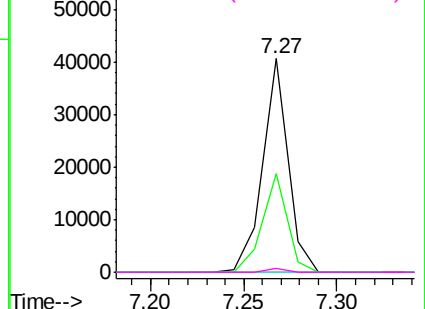


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Tgt Ion: 136 Resp: 274717

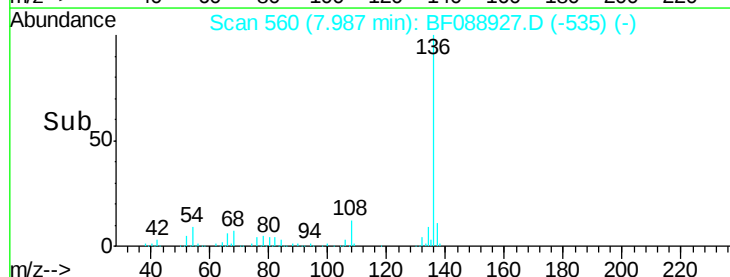
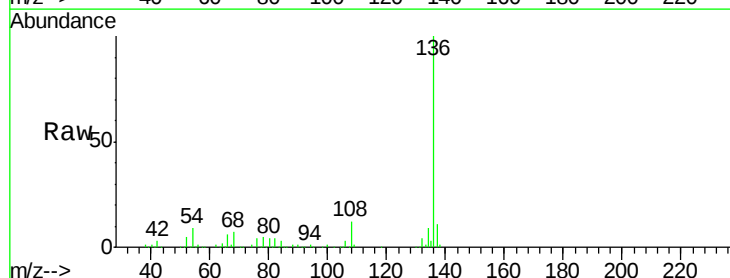
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 8.6 6.6 10.0

68 6.7 5.1 7.7

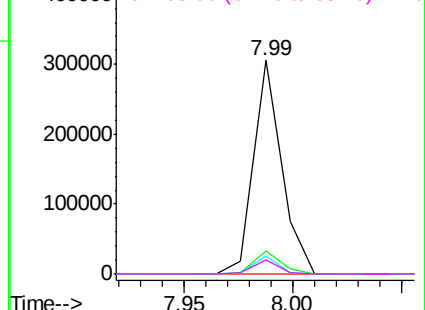


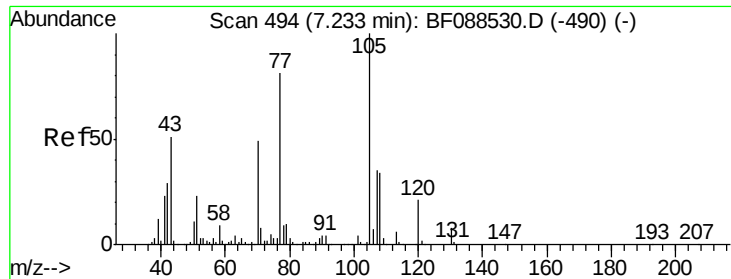
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.09 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

Tgt Ion: 105 Resp: 617

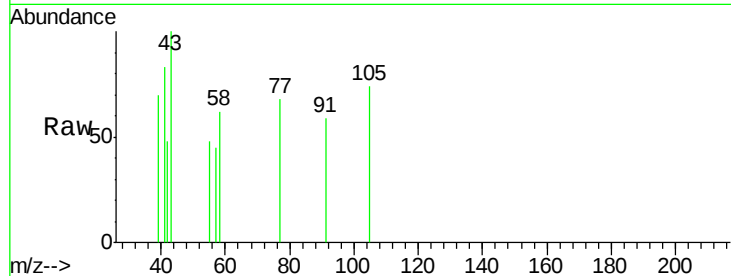
Ion Ratio Lower Upper

105 100

71 0.0 5.3 7.9#

51 0.0 18.2 27.4#

120 0.0 18.0 27.0#

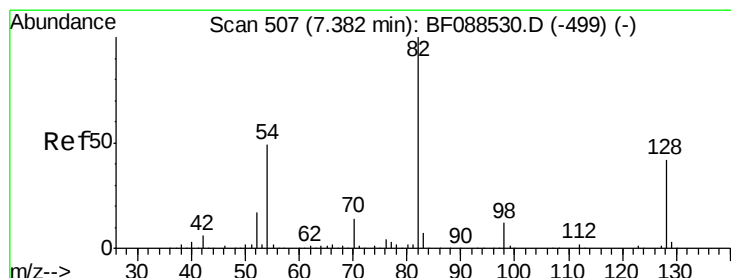
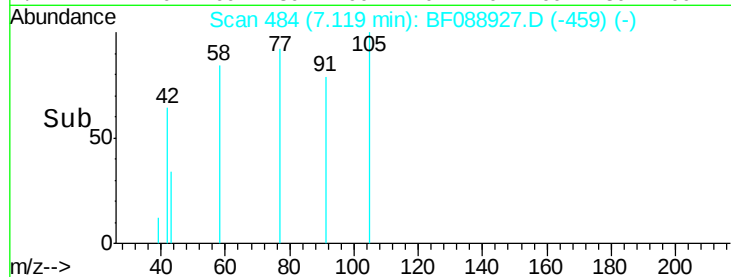
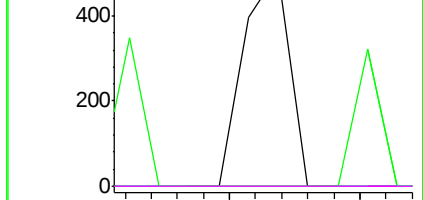


Abundance Ion 105.00 (104.70 to 105.70): E

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: 53.44 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

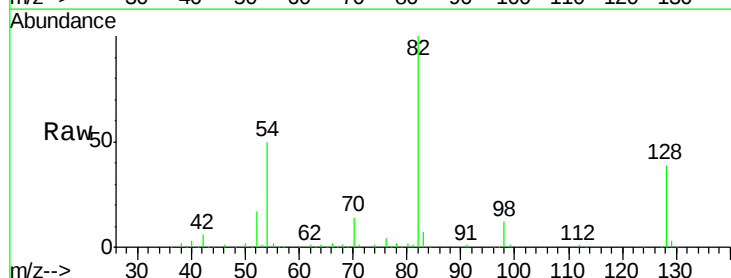
Tgt Ion: 82 Resp: 280128

Ion Ratio Lower Upper

82 100

128 39.2 35.9 53.9

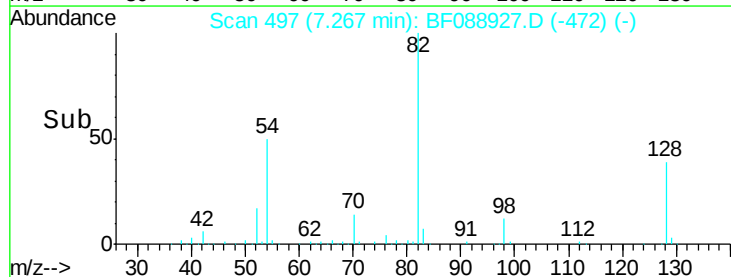
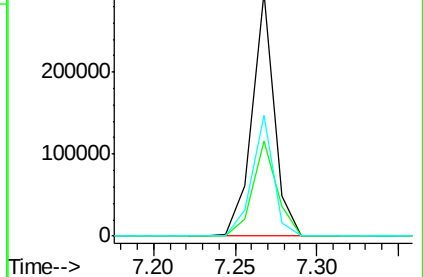
54 49.5 40.9 61.3

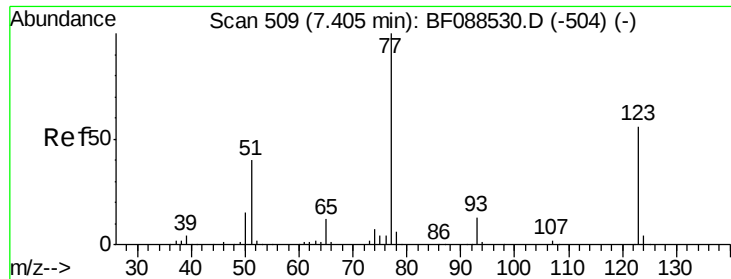


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.18 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.03 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

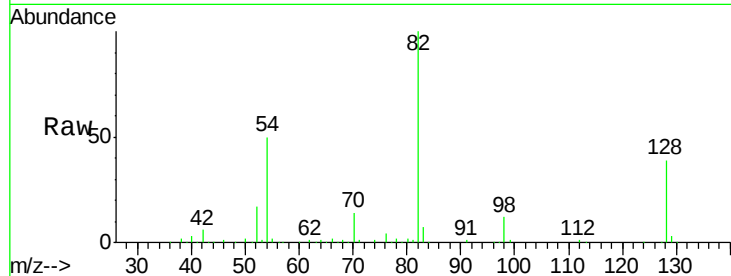
Tgt Ion: 77 Resp: 959

Ion Ratio Lower Upper

77 100

123 0.0 45.0 67.4#

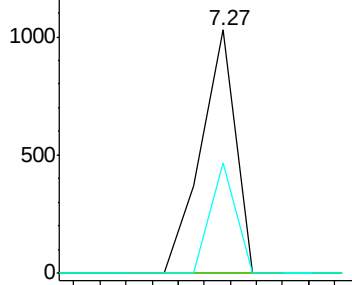
65 45.5 10.2 15.2#



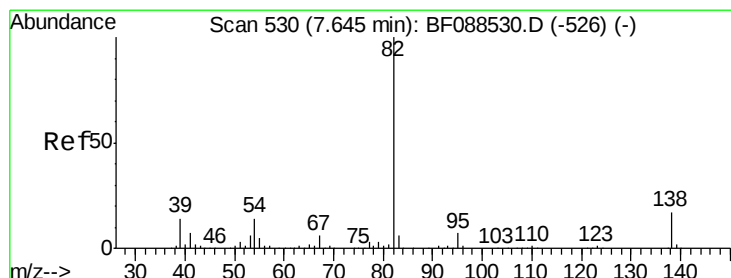
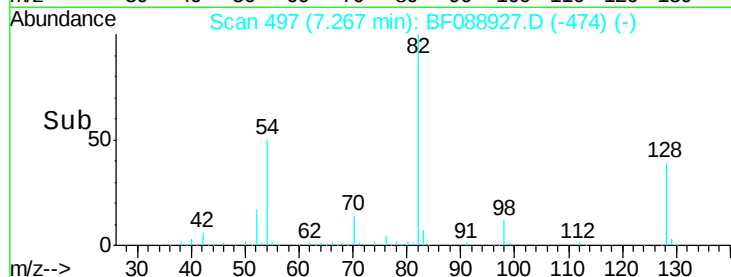
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



Time-->



#25

Isophorone

Concen: 24.42 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.27 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

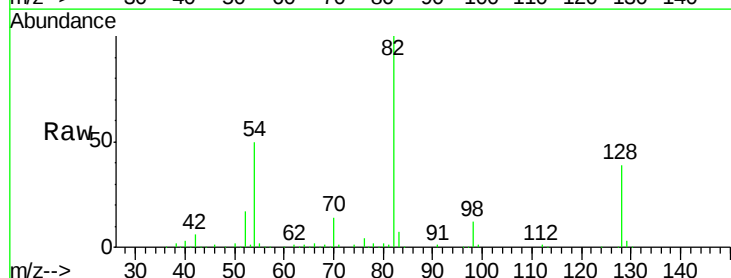
Tgt Ion: 82 Resp: 237122

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

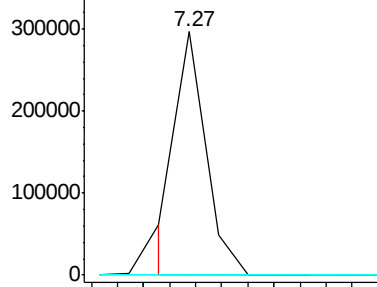
138 0.0 14.6 21.8#



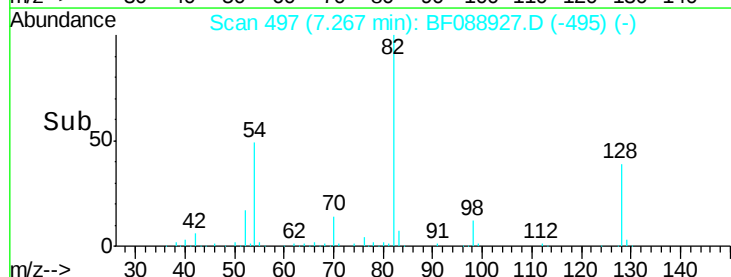
Abundance Ion 82.00 (81.70 to 82.70): BF0

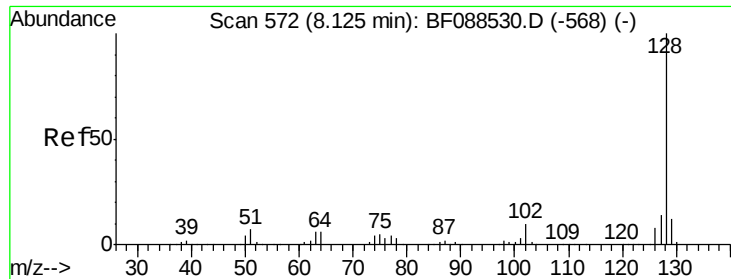
Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



Time-->

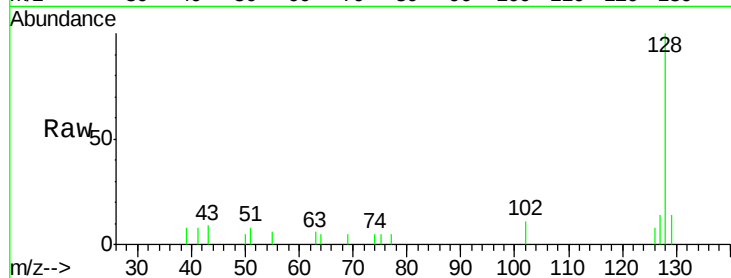




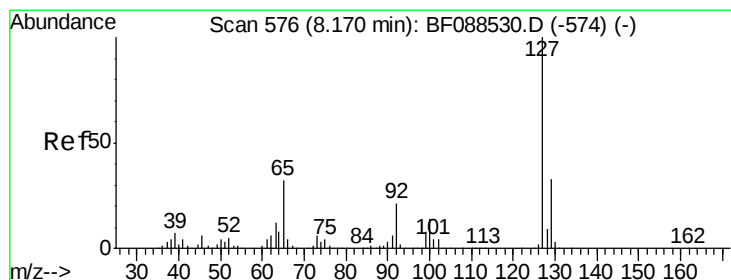
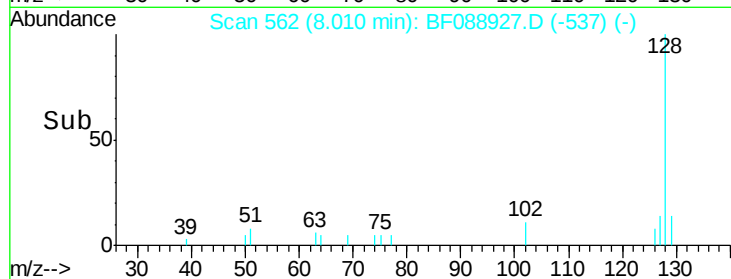
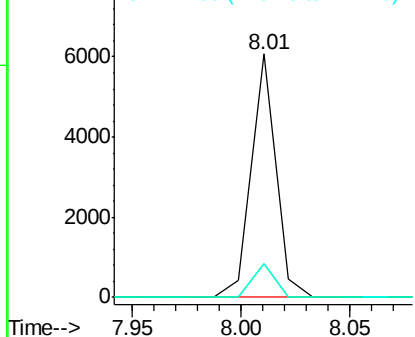
#31
Naphthalene
Concen: 0.35 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Instrument :
BNA_F
ClientSampleId :
SS-11

Tgt Ion:128 Resp: 4772
Ion Ratio Lower Upper
128 100
129 13.8 9.4 14.2
127 13.7 10.9 16.3

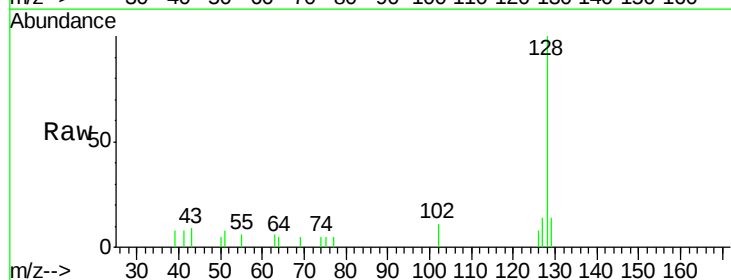


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

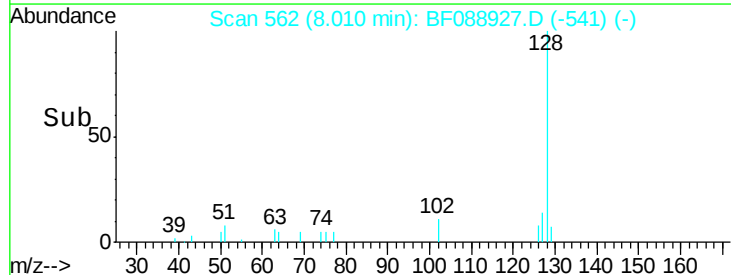
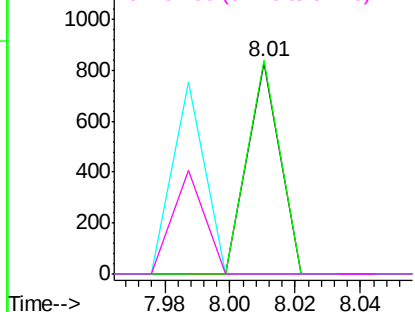


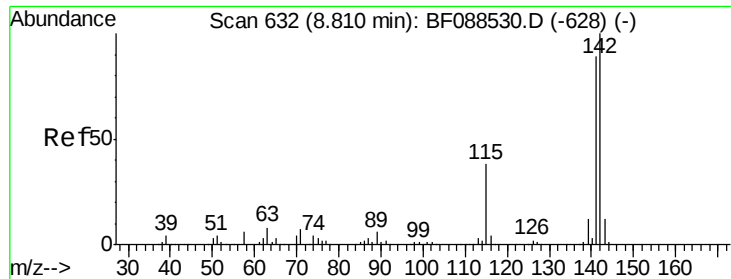
#33
4-Chloroaniline
Concen: 0.09 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.06 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion:127 Resp: 571
Ion Ratio Lower Upper
127 100
129 100.8 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





#37

2-Methylnaphthalene

Concen: 0.14 ng

RT: 8.70 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

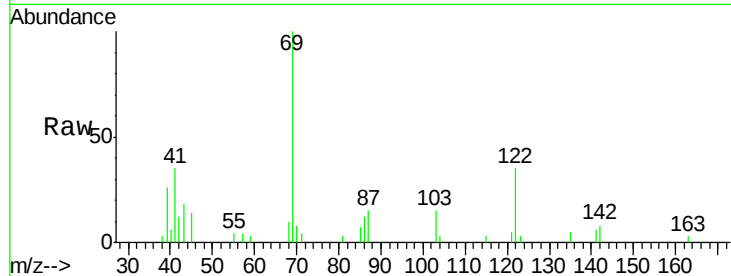
Tgt Ion:142 Resp: 1252

Ion Ratio Lower Upper

142 100

141 81.1 71.0 106.6

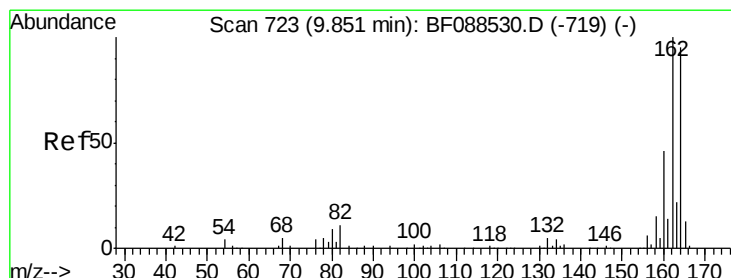
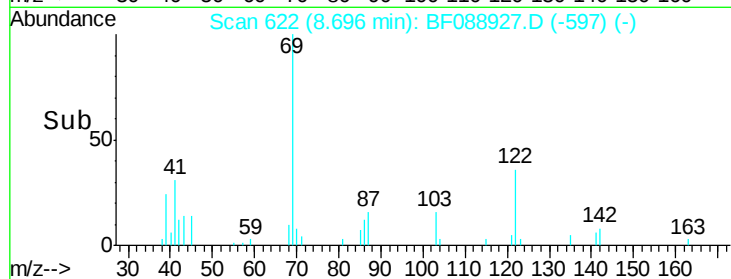
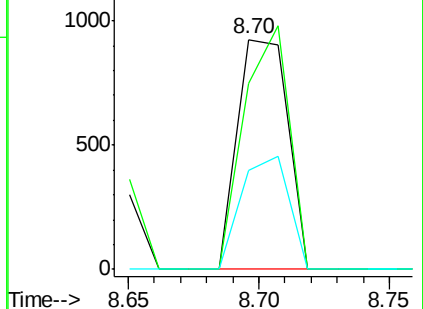
115 43.3 22.6 33.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

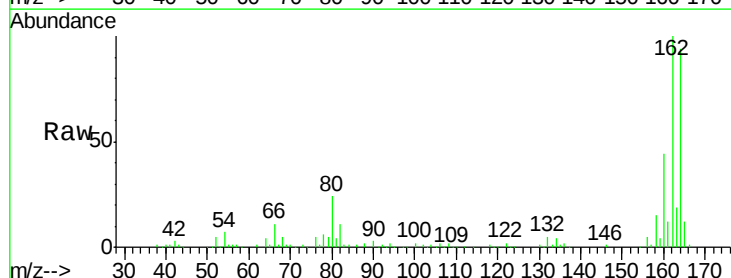
Tgt Ion:164 Resp: 110276

Ion Ratio Lower Upper

164 100

162 106.0 85.4 128.2

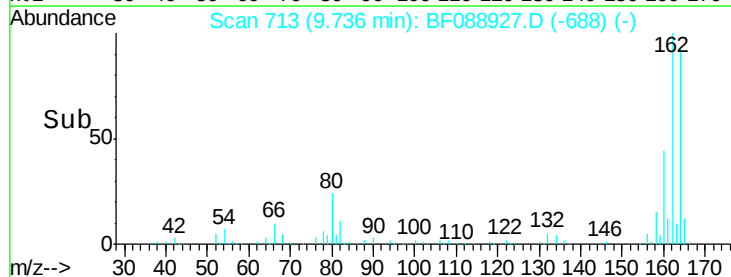
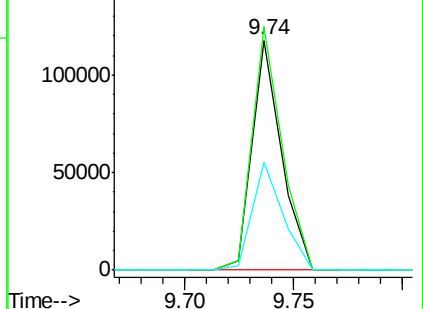
160 46.9 39.5 59.3

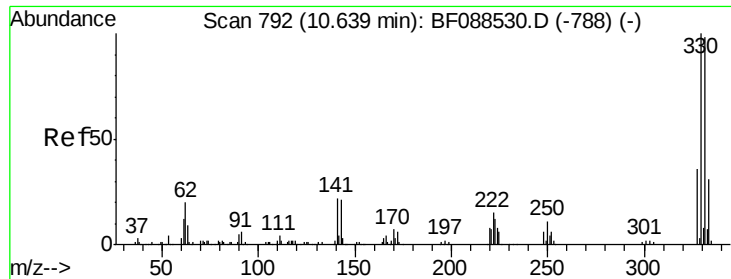


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

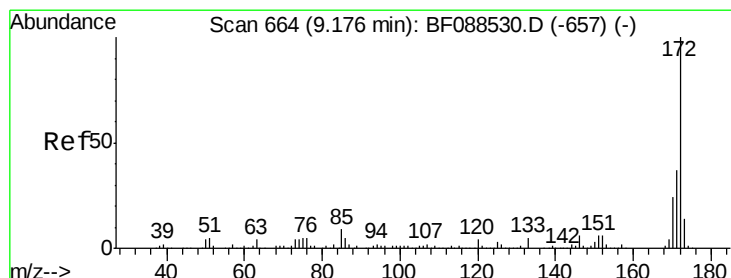
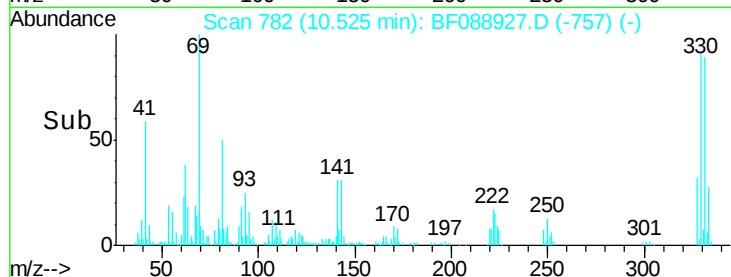
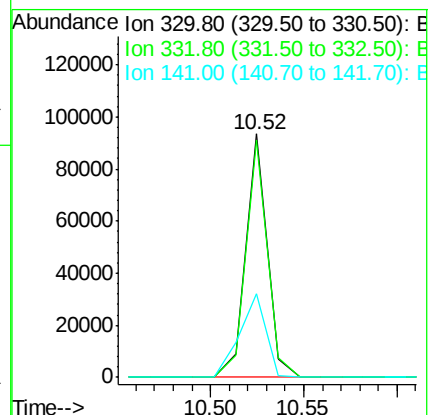
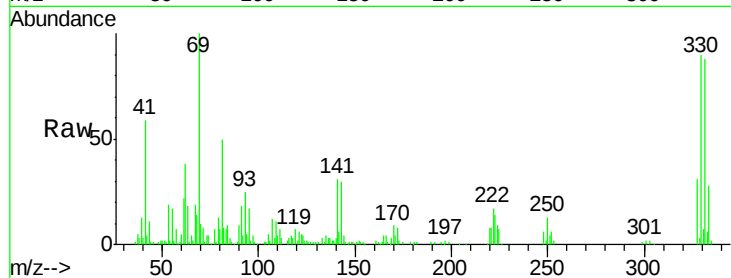




#41
 2,4,6-Tribromophenol
 Concen: 73.62 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

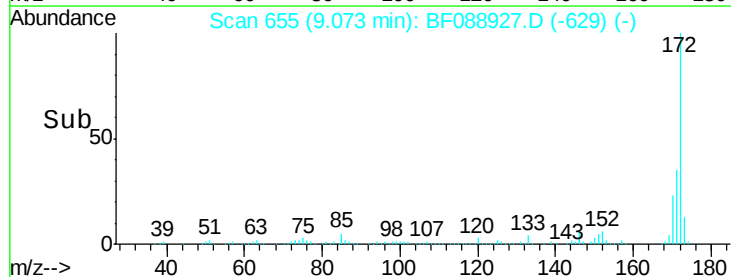
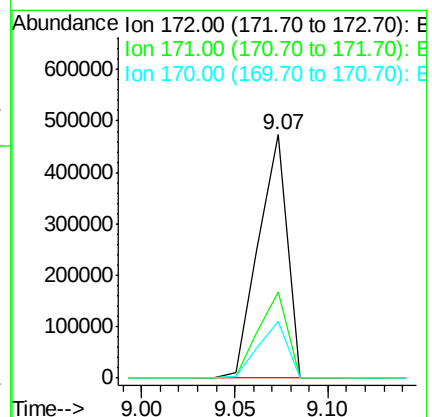
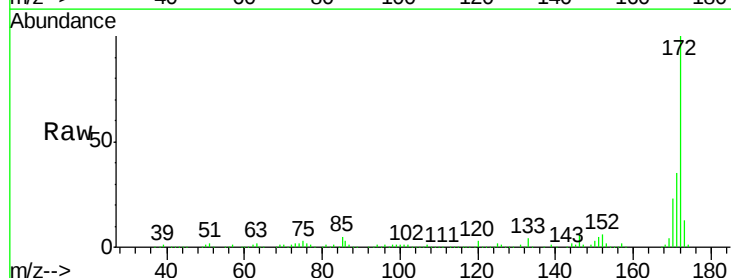
Instrument :
 BNA_F
 ClientSampleId :
 SS-11

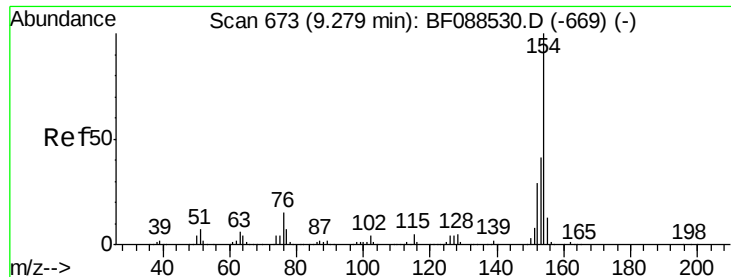
Tgt Ion: 330 Resp: 75386
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 41.7 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 72.05 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

Tgt Ion: 172 Resp: 502980
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.4 19.2 28.8





#45

1,1'-Biphenyl

Concen: 0.05 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

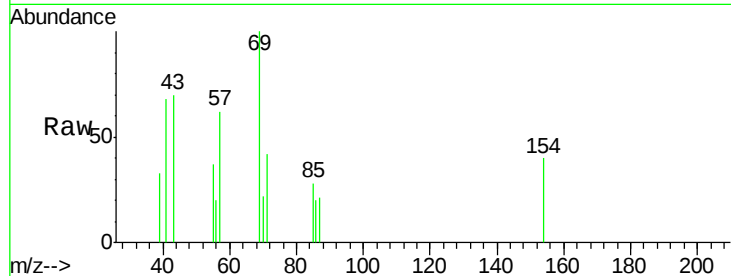
Tgt Ion:154 Resp: 469

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

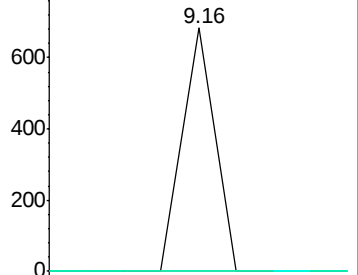
76 0.0 0.0 35.1



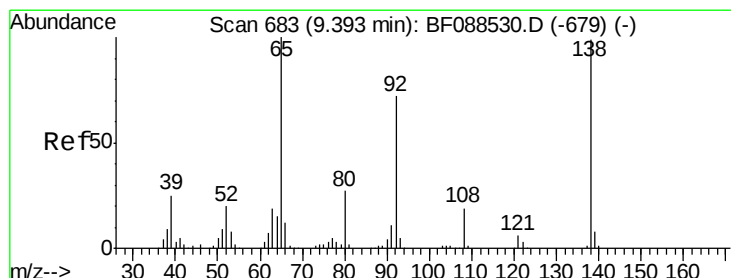
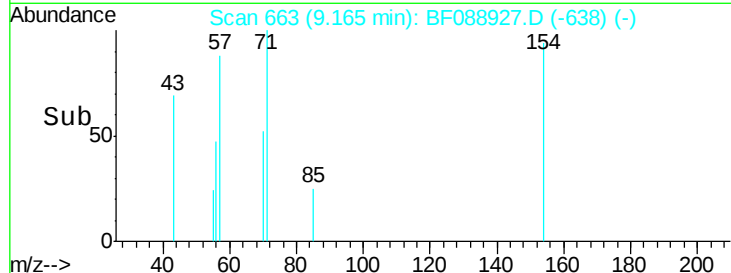
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



Time--> 9.12 9.14 9.16 9.18 9.20



#47

2-Nitroaniline

Concen: 0.16 ng

RT: 9.32 min Scan# 677

Delta R.T. 0.03 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

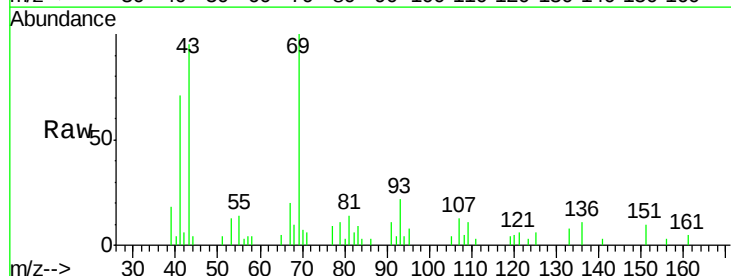
Tgt Ion: 65 Resp: 418

Ion Ratio Lower Upper

65 100

92 75.2 54.6 82.0

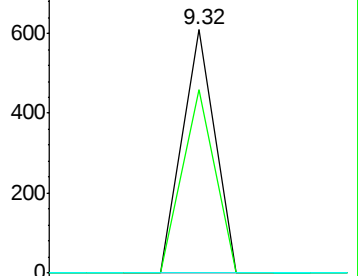
138 0.0 77.0 115.4#



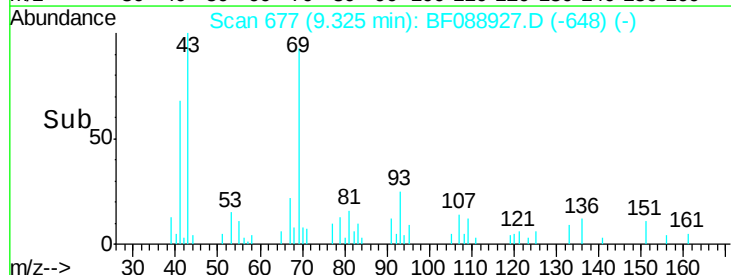
Abundance Ion 65.00 (64.70 to 65.70): BF0

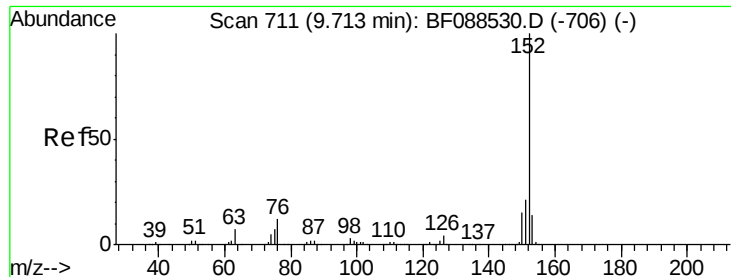
Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E



Time--> 9.28 9.30 9.32 9.34 9.36





#48

Acenaphthylene

Concen: 2.78 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

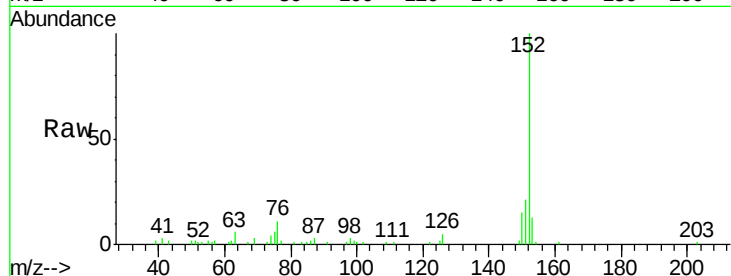
Tgt Ion:152 Resp: 31731

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

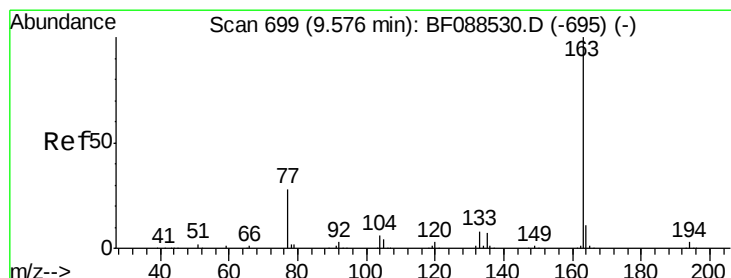
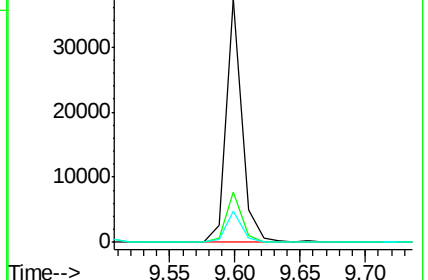
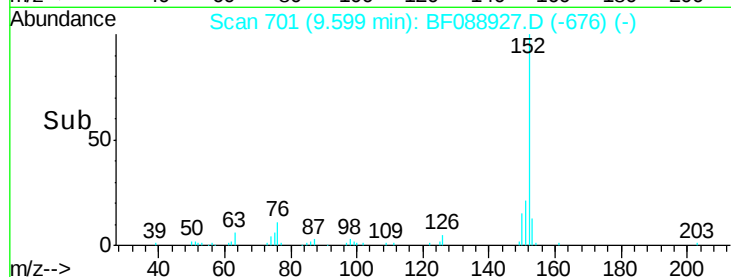
153 13.0 11.0 16.6



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: 66.37 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

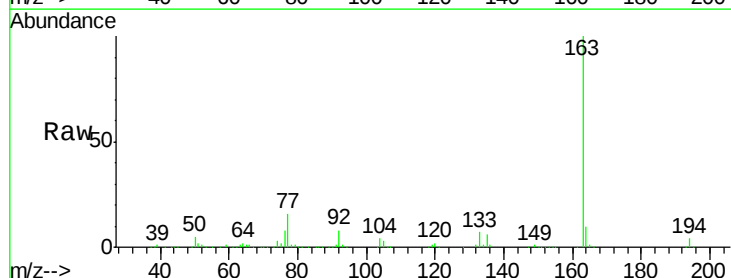
Tgt Ion:163 Resp: 521412

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

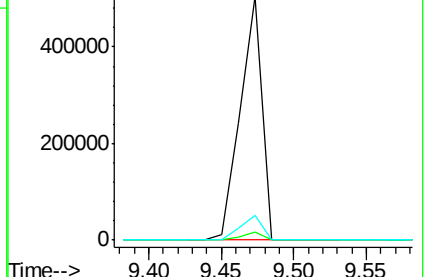
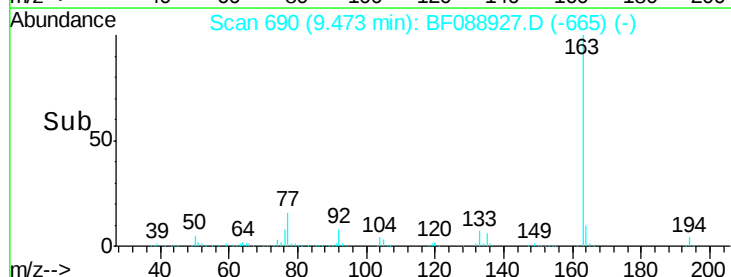
164 10.0 8.3 12.5

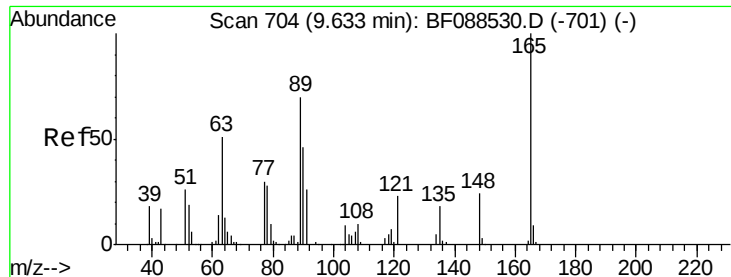


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

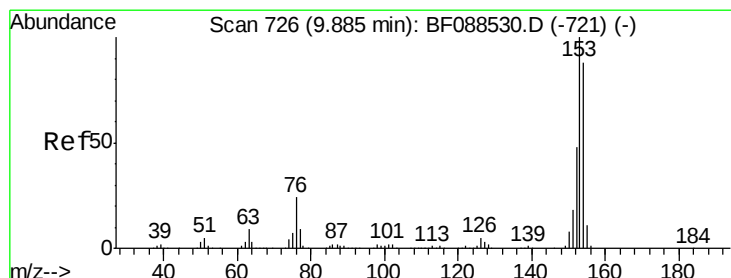
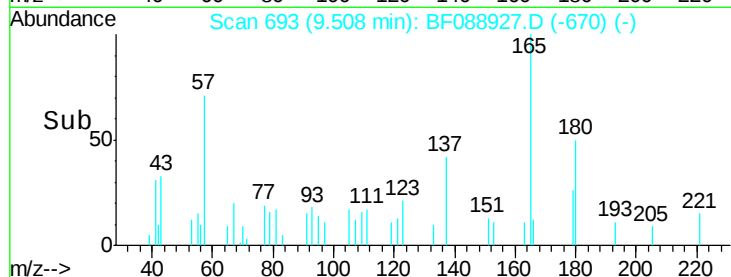
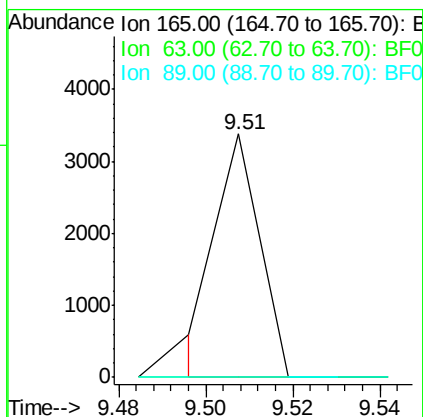
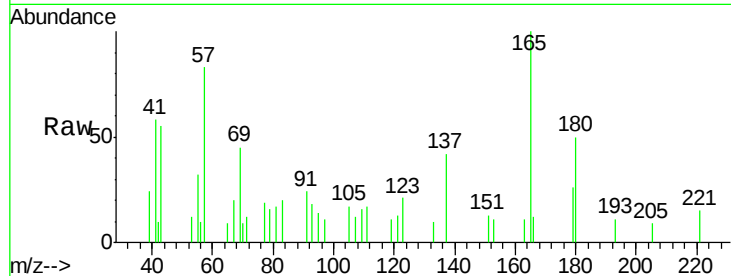




#50
2,6-Dinitrotoluene
Concen: 1.33 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.03 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

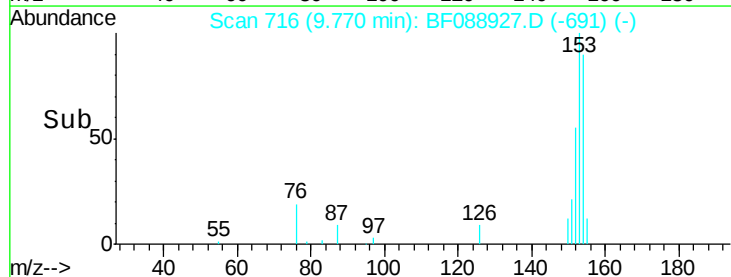
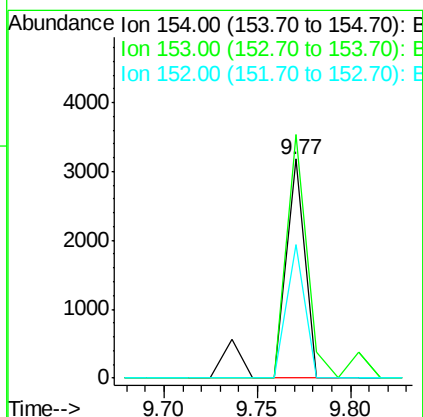
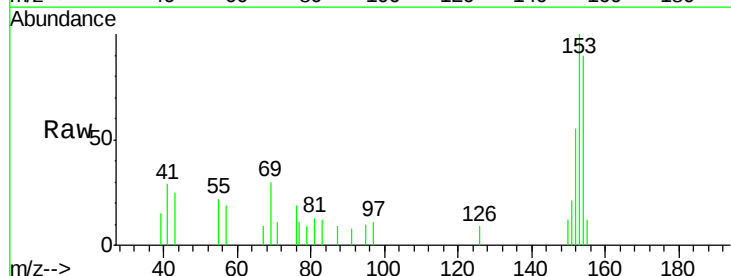
Instrument :
BNA_F
ClientSampleId :
SS-11

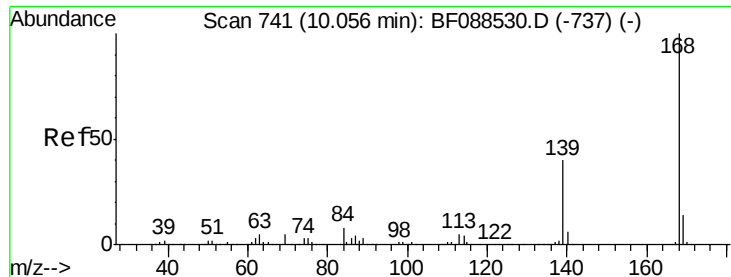
Tgt Ion:165 Resp: 2318
Ion Ratio Lower Upper
165 100
63 0.0 28.1 42.1#
89 0.0 32.2 48.2#



#51
Acenaphthene
Concen: 0.37 ng
RT: 9.77 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion:154 Resp: 2569
Ion Ratio Lower Upper
154 100
153 111.1 89.5 134.3
152 61.1 42.7 64.1

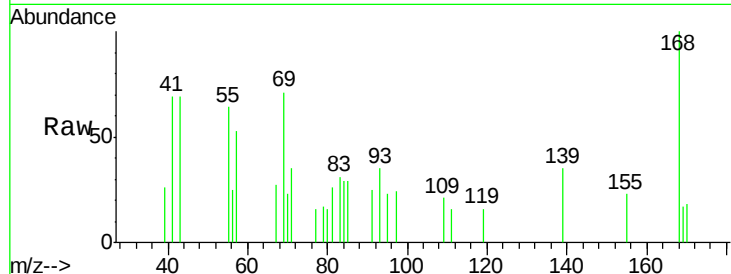




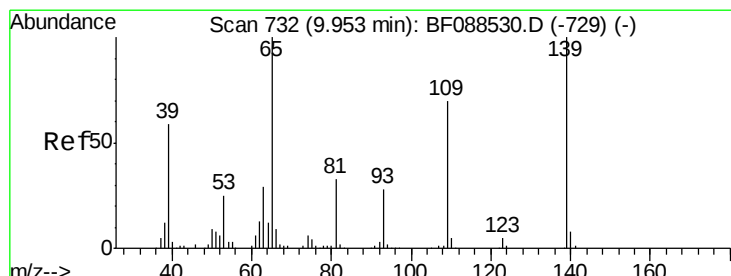
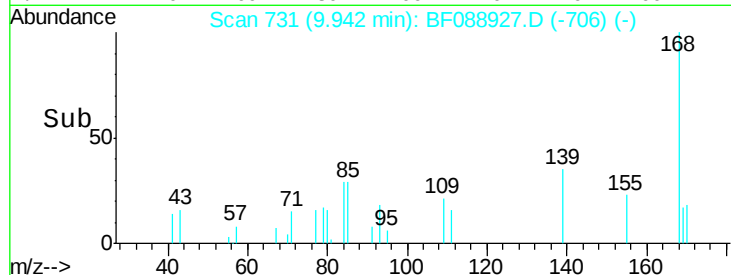
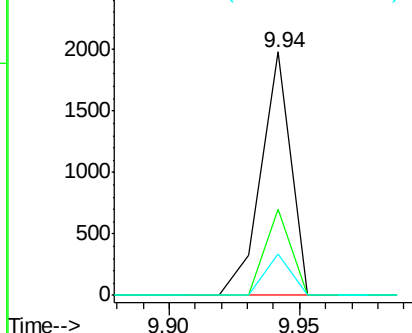
#54
Dibenzofuran
Concen: 0.17 ng
RT: 9.94 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Instrument :
BNA_F
ClientSampled :
SS-11

Tgt Ion:168 Resp: 1584
Ion Ratio Lower Upper
168 100
139 35.2 26.4 39.6
169 16.8 10.4 15.6#

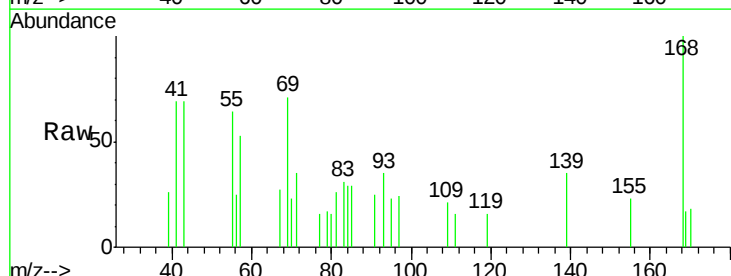


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

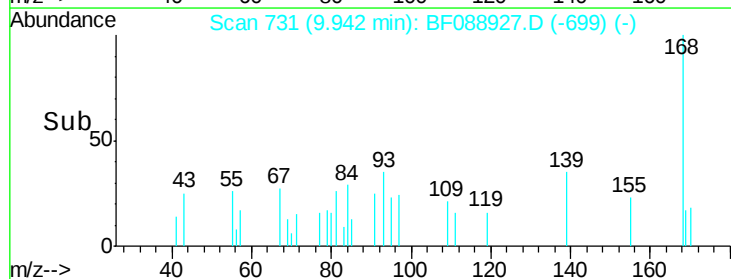
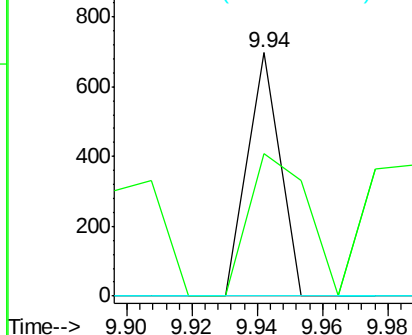


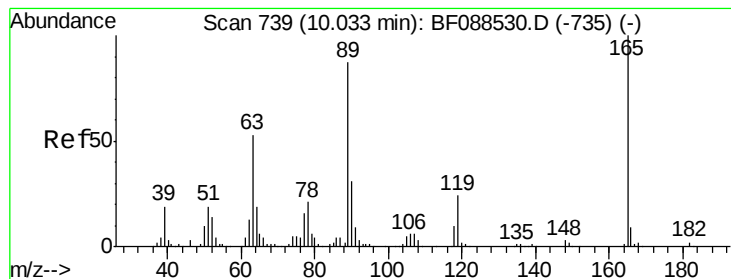
#55
4-Nitrophenol
Concen: 0.28 ng
RT: 9.94 min Scan# 731
Delta R.T. 0.07 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion:139 Resp: 479
Ion Ratio Lower Upper
139 100
109 58.6 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: 6.21 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.21 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

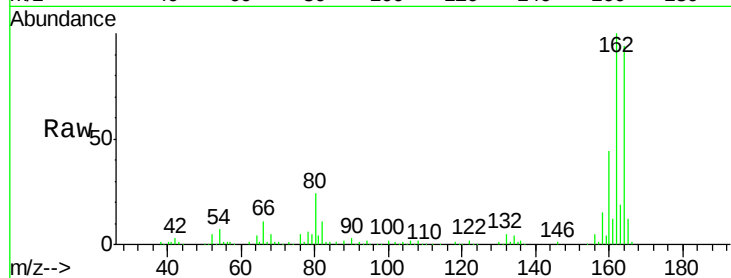
Instrument :

BNA_F

ClientSampleId :

SS-11

Tgt Ion:	165	Resp:	14130
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#

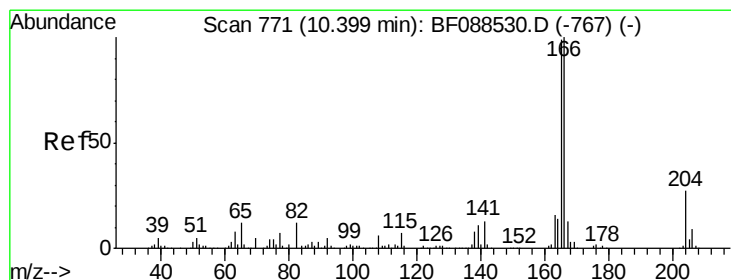
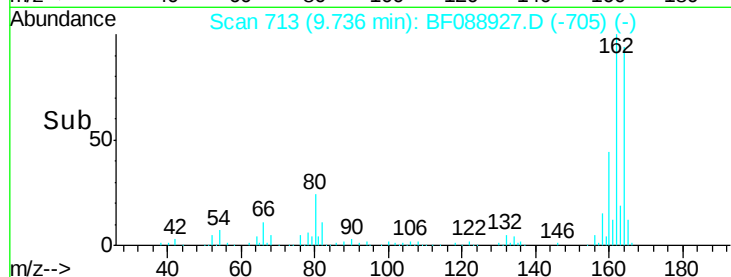
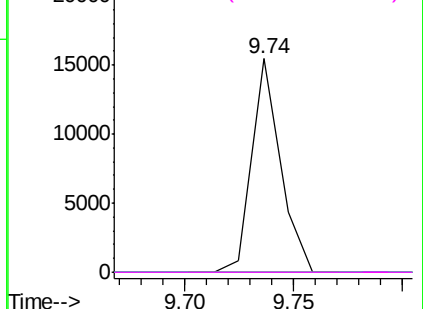


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.72 ng

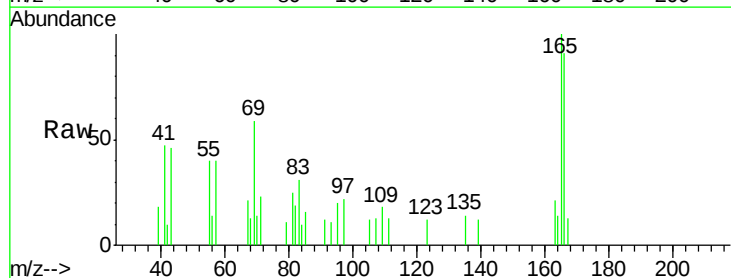
RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

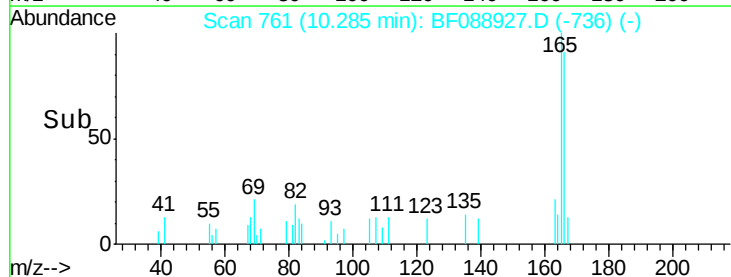
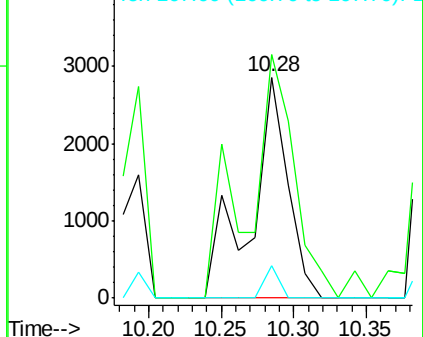
Tgt Ion:	166	Resp:	5069
Ion Ratio	Lower	Upper	
166	100		
165	110.2	77.8	116.8
167	14.5	11.2	16.8

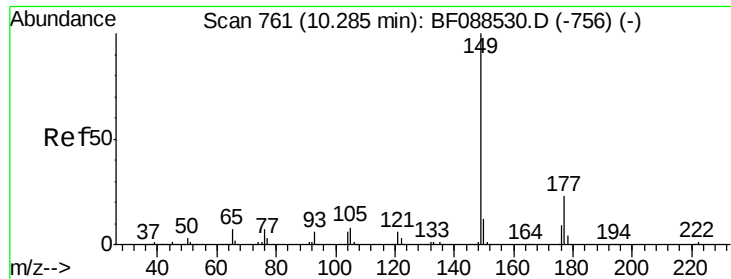


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

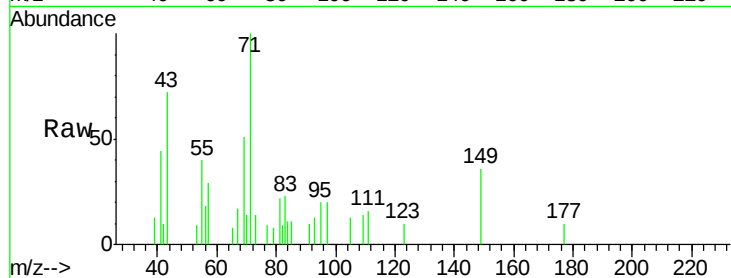




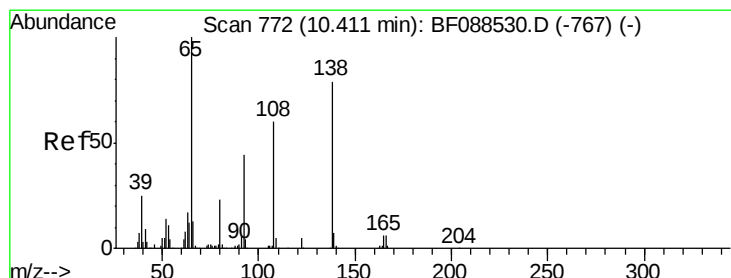
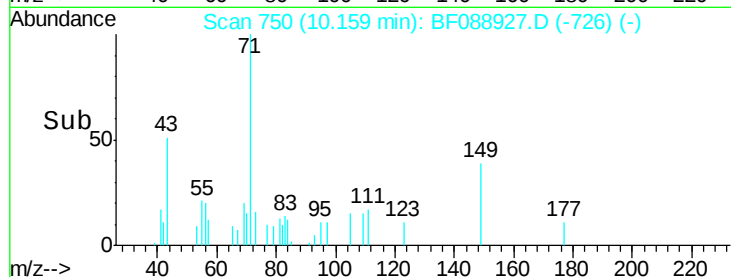
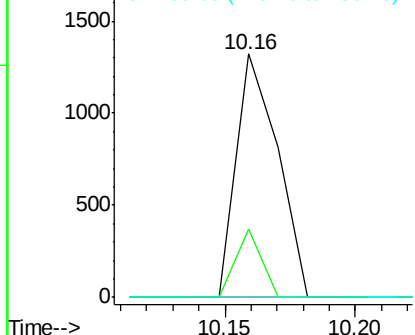
#59
Diethylphthalate
Concen: 0.19 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Instrument :
BNA_F
ClientSampleId :
SS-11

Tgt Ion:149 Resp: 1467
Ion Ratio Lower Upper
149 100
177 27.9 16.9 25.3#
150 0.0 10.1 15.1#

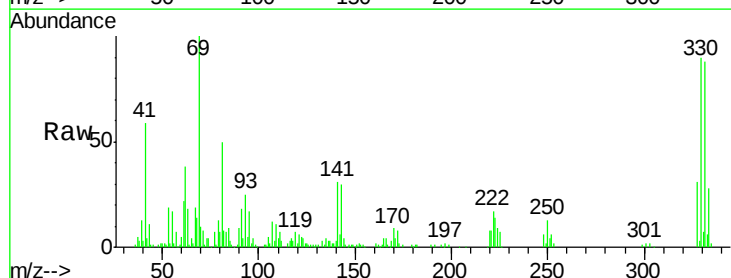


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

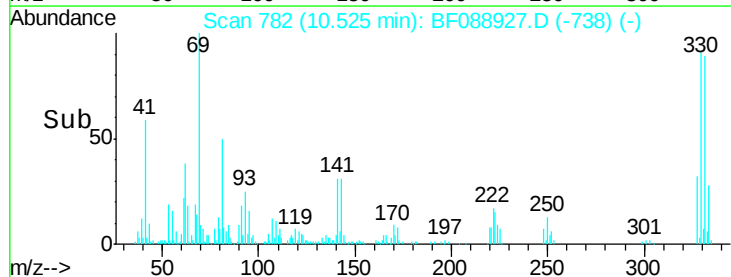
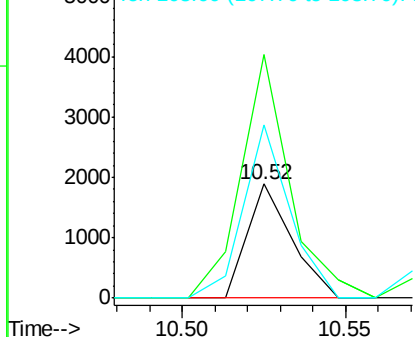


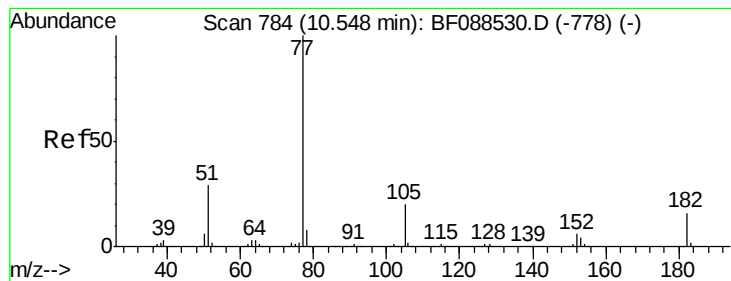
#61
4-Nitroaniline
Concen: 0.83 ng
RT: 10.52 min Scan# 782
Delta R.T. 0.21 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion:138 Resp: 1761
Ion Ratio Lower Upper
138 100
92 213.3 27.3 67.3#
108 151.8 46.7 86.7#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 0.09 ng

RT: 10.46 min Scan# 776

Delta R.T. 0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

Tgt Ion: 77 Resp: 816

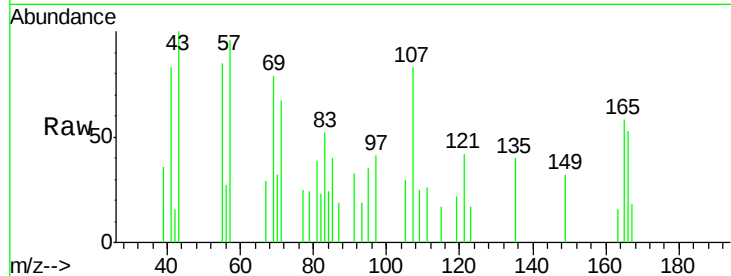
Ion Ratio Lower Upper

77 100

182 0.0 4.4 44.4#

105 123.6 3.8 43.8#

51 0.0 9.3 49.3#



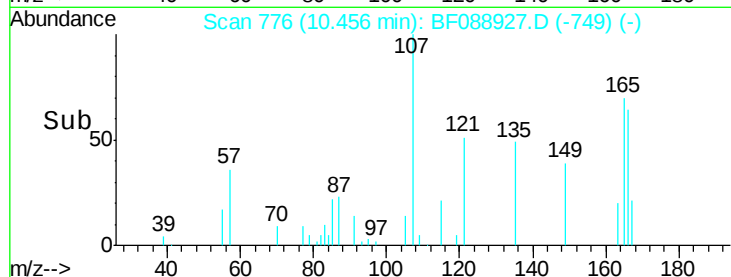
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

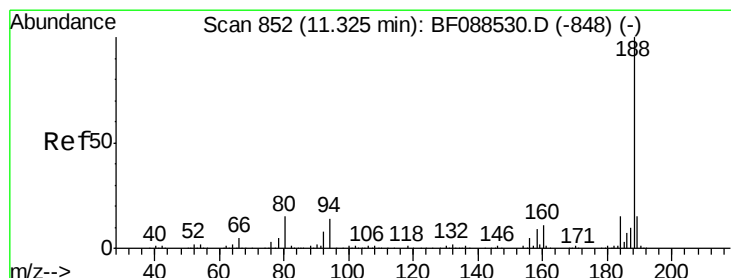
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

Time-->



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

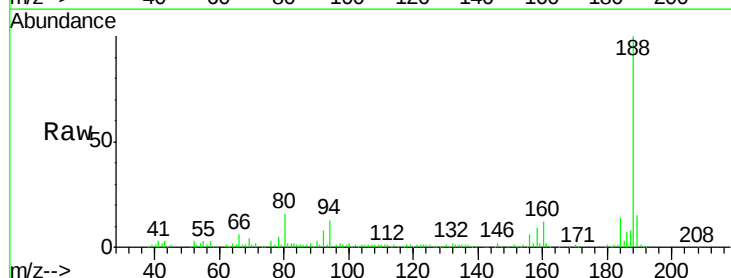
Tgt Ion: 188 Resp: 153540

Ion Ratio Lower Upper

188 100

94 13.3 9.0 13.6

80 15.5 10.0 15.0#

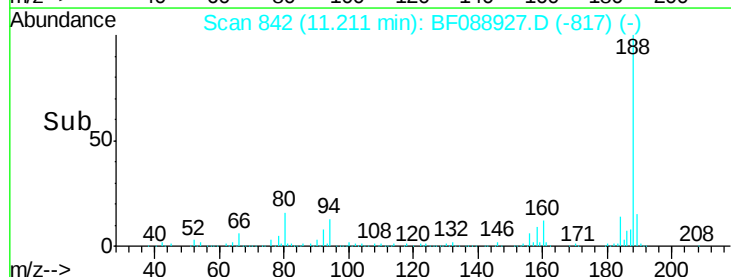


Abundance Ion 188.00 (187.70 to 188.70): E

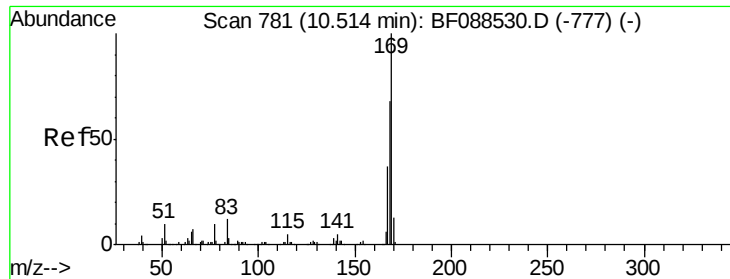
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



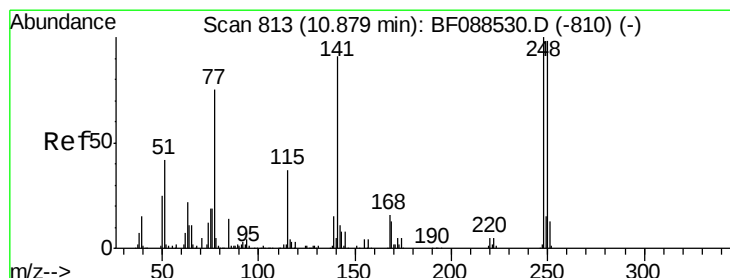
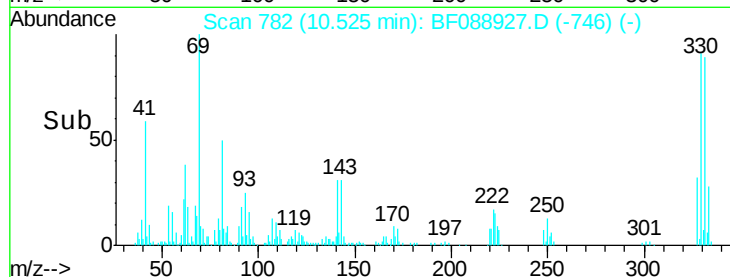
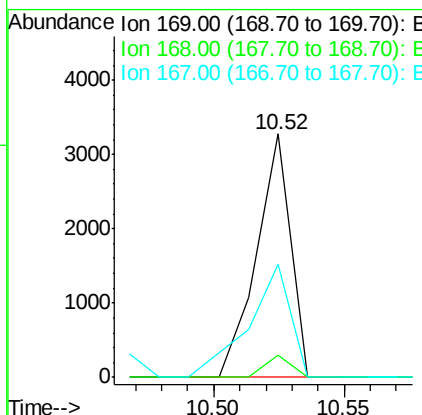
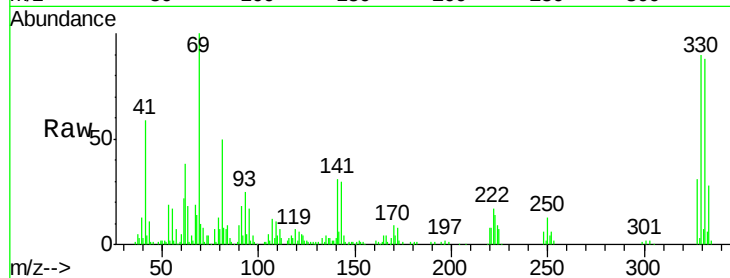
Time-->



#65
n-Nitrosodiphenylamine
Concen: 0.57 ng
RT: 10.52 min Scan# 782
Delta R.T. 0.11 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

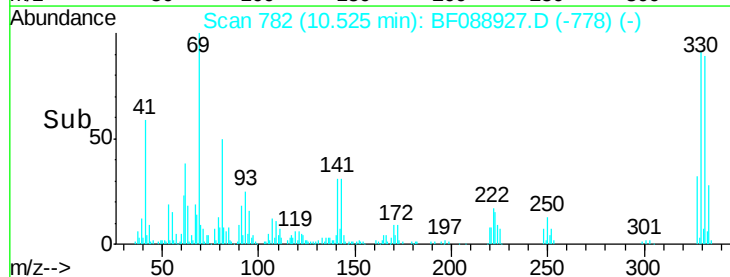
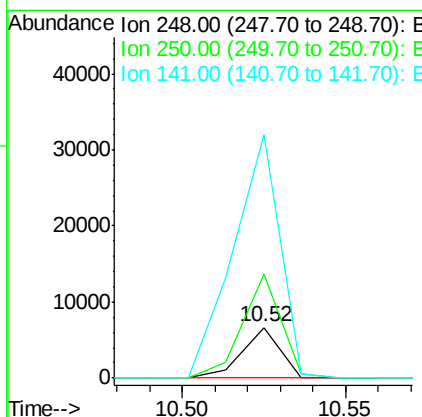
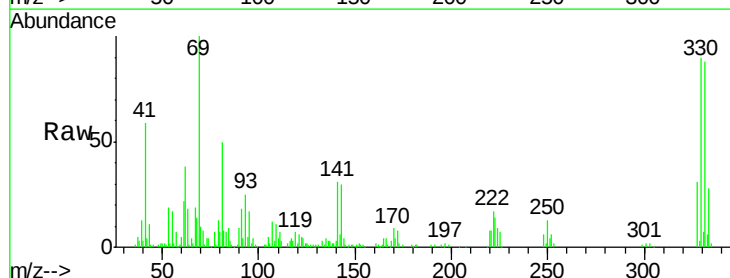
Instrument :
BNA_F
ClientSampleId :
SS-11

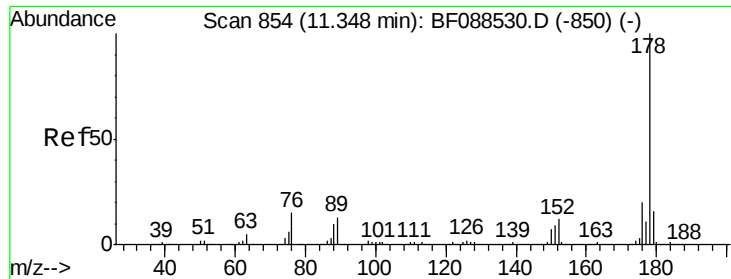
Tgt Ion:169 Resp: 2982
Ion Ratio Lower Upper
169 100
168 9.4 53.4 80.0#
167 46.6 29.4 44.0#



#66
4-Bromophenyl-phenylether
Concen: 3.47 ng
RT: 10.52 min Scan# 782
Delta R.T. -0.25 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion:248 Resp: 5372
Ion Ratio Lower Upper
248 100
250 204.1 77.1 115.7#
141 478.3 50.6 76.0#

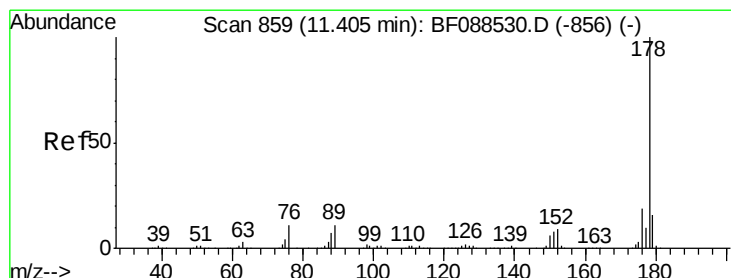
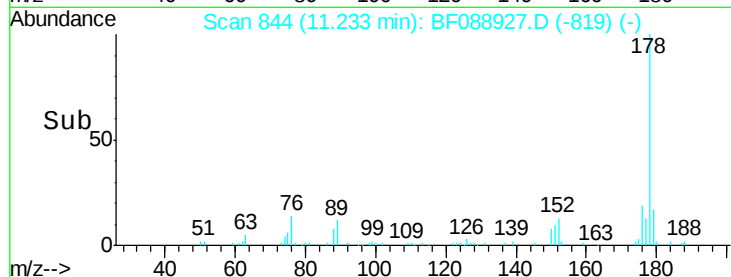
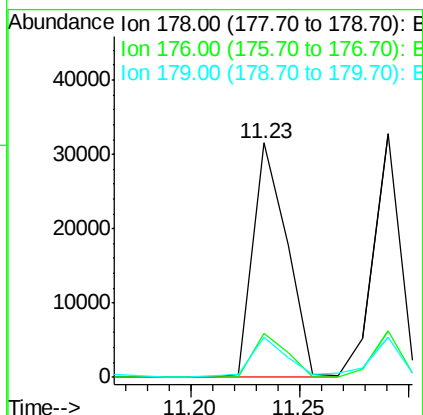
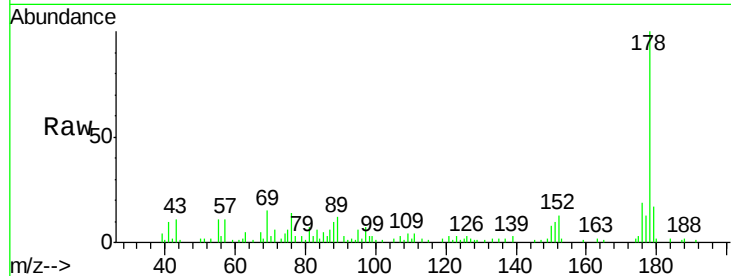




#70
Phenanthrene
Concen: 4.12 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

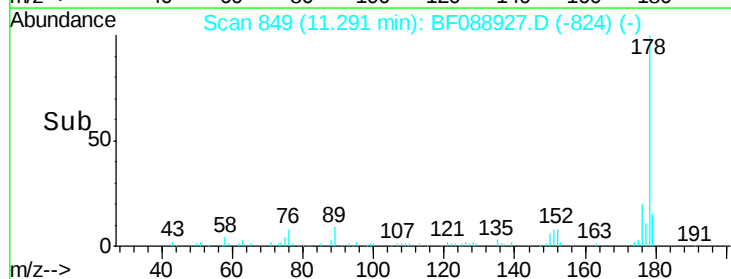
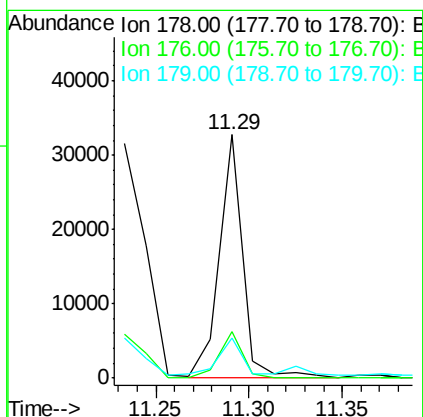
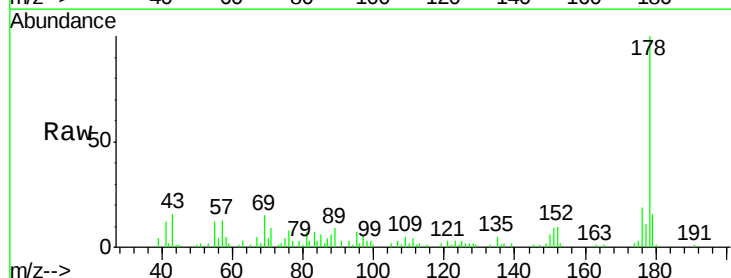
Instrument :
BNA_F
ClientSampleId :
SS-11

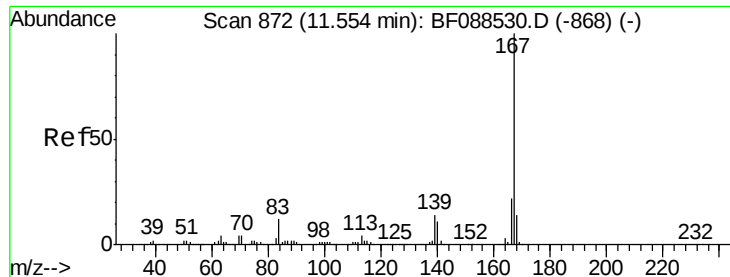
Tgt Ion:178 Resp: 34581
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 16.9 13.0 19.4



#71
Anthracene
Concen: 3.46 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion:178 Resp: 28881
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 16.3 12.8 19.2





#72

Carbazole

Concen: 0.94 ng

RT: 11.45 min Scan# 863

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

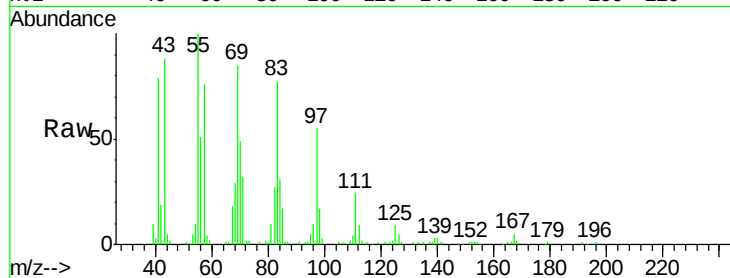
Tgt Ion:167 Resp: 7367

Ion Ratio Lower Upper

167 100

166 25.6 17.8 26.6

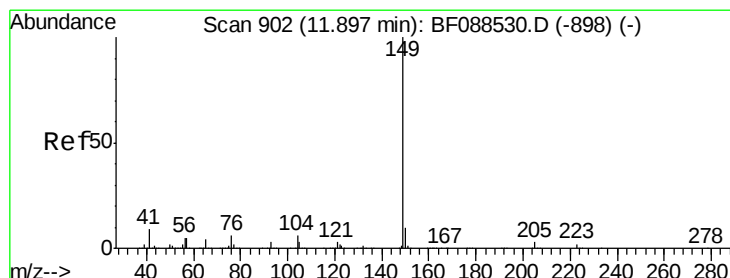
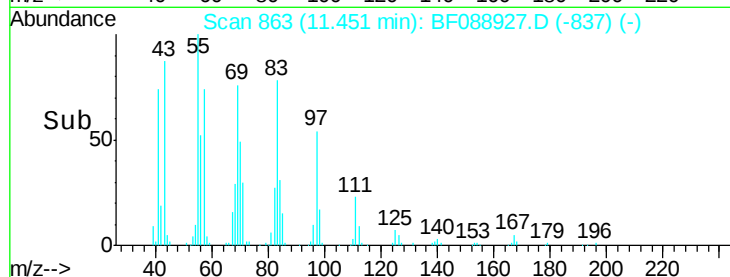
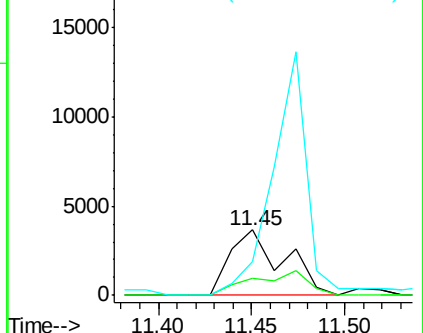
139 50.8 11.2 16.8#



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: 0.28 ng

RT: 11.79 min Scan# 893

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

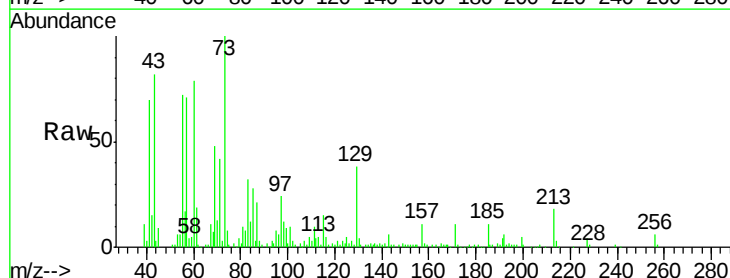
Tgt Ion:149 Resp: 2543

Ion Ratio Lower Upper

149 100

150 30.3 7.8 11.6#

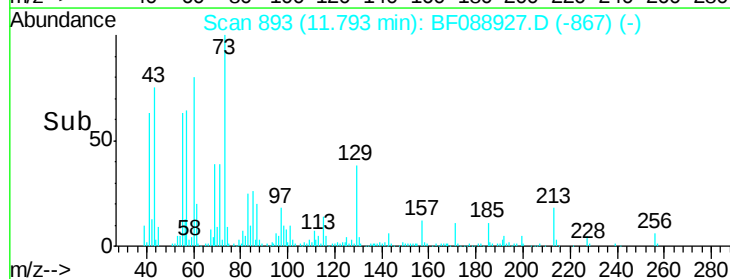
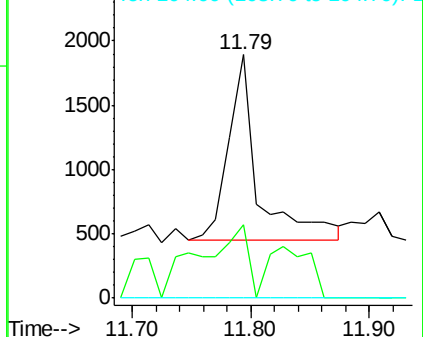
104 0.0 4.0 6.0#

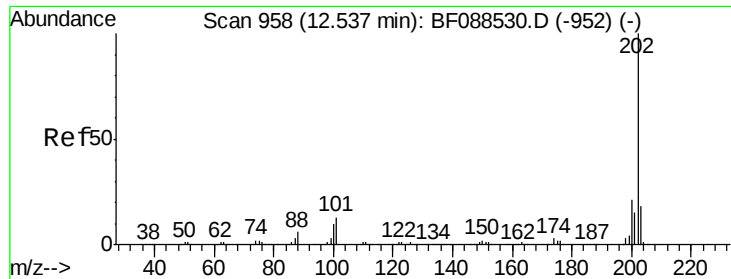


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 17.79 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

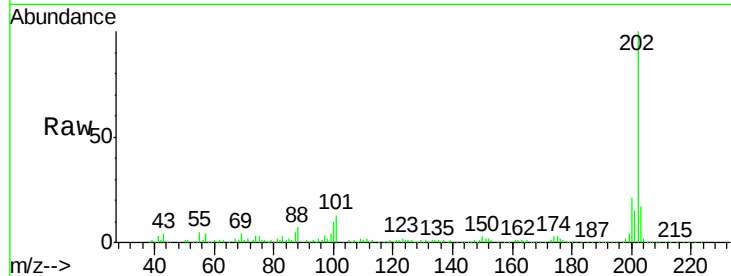
Instrument :

BNA_F

ClientSampleId :

SS-11

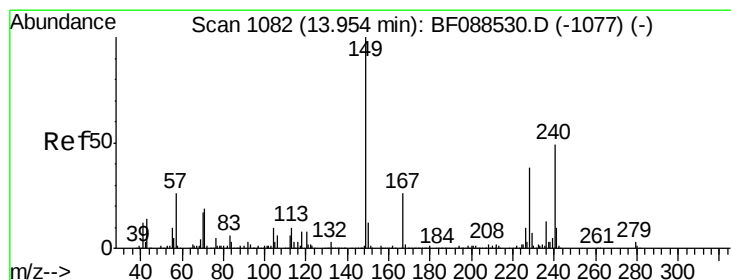
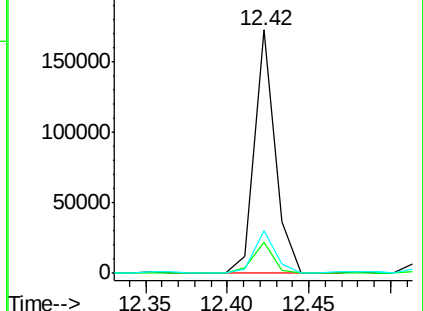
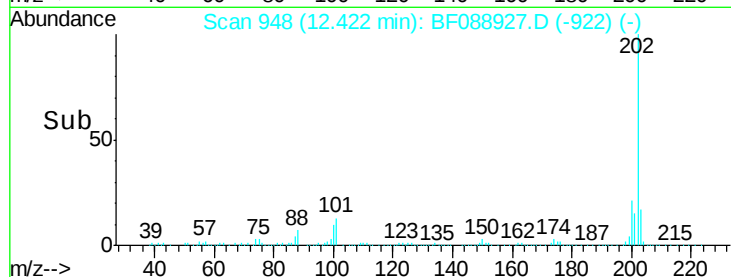
Tgt Ion:	202	Resp:	151350
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.1
203	17.4	0.0	38.1



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

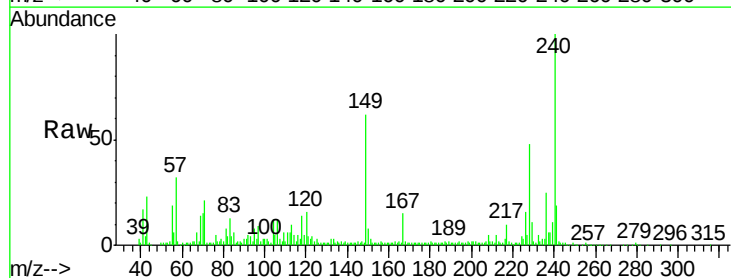
RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

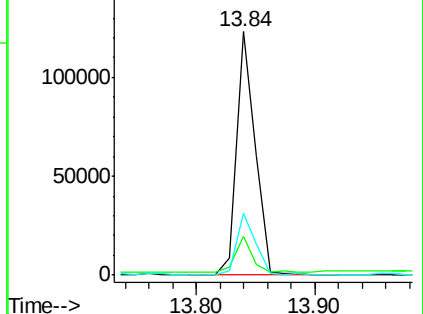
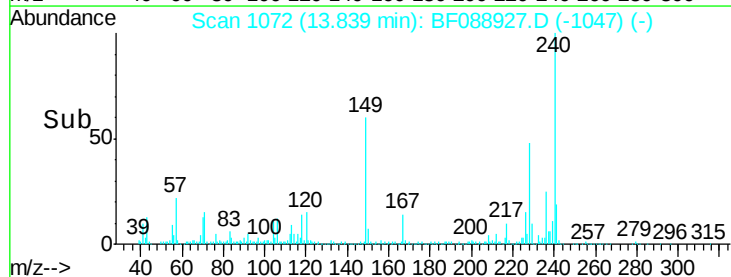
Tgt Ion:	240	Resp:	135538
Ion	Ratio	Lower	Upper
240	100		
120	16.0	6.8	10.2#
236	25.2	20.2	30.2

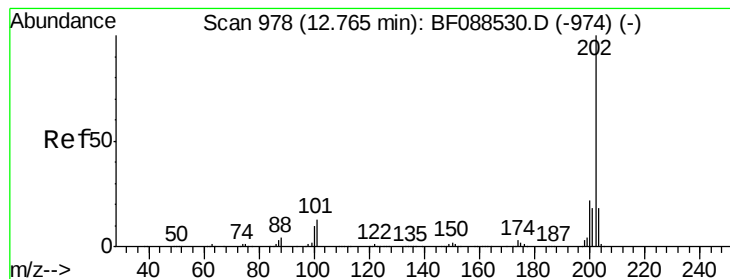


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 14.52 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

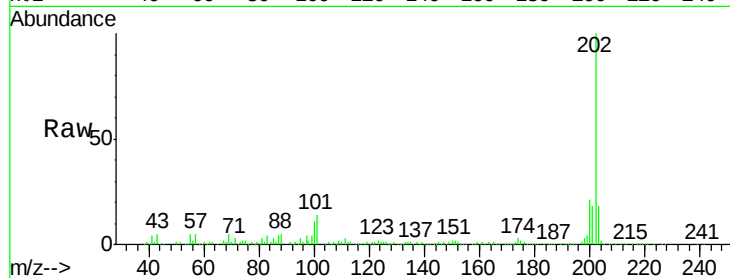
Tgt Ion: 202 Resp: 166815

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

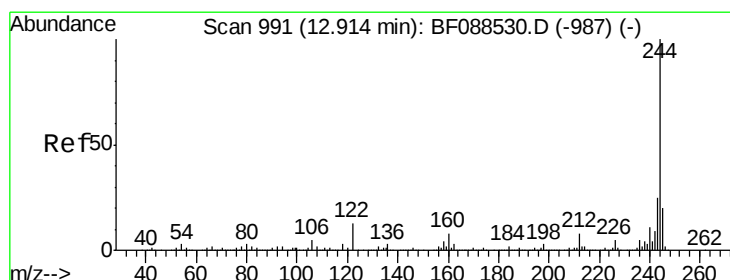
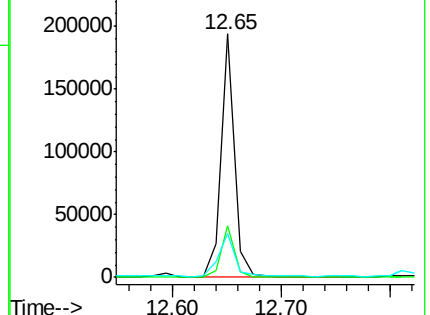
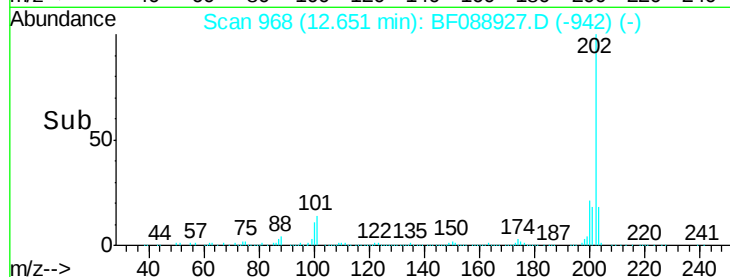
203 17.9 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 39.00 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

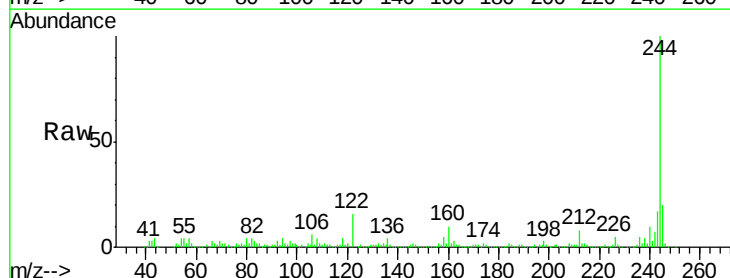
Tgt Ion: 244 Resp: 237319

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

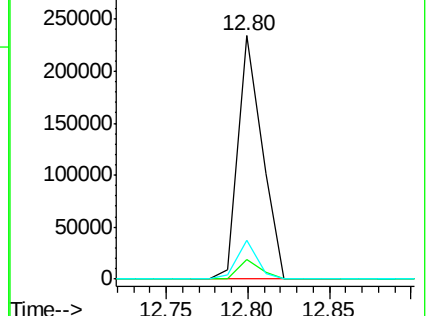
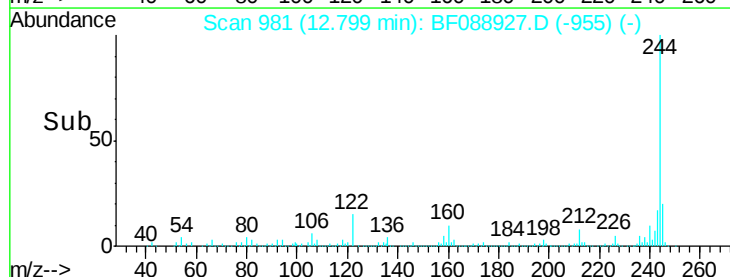
122 15.7 11.2 16.8

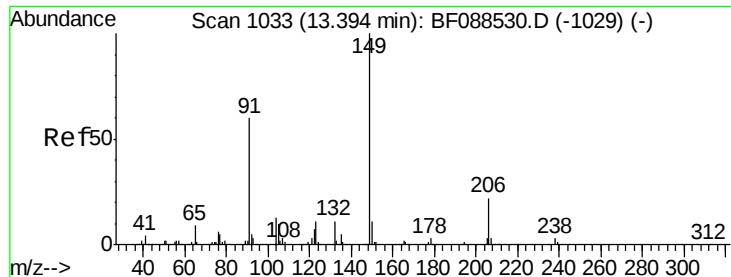


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.18 ng

RT: 13.31 min Scan# 1026

Delta R.T. 0.03 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

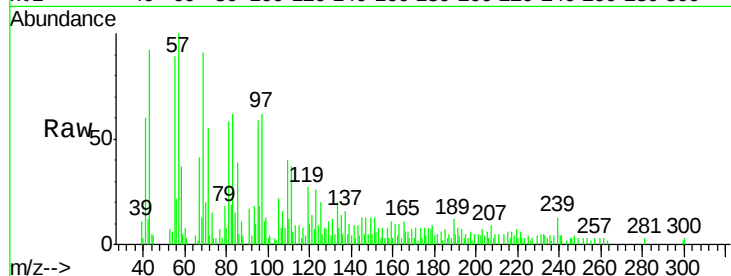
Tgt Ion:149 Resp: 929

Ion Ratio Lower Upper

149 100

91 132.7 48.0 72.0#

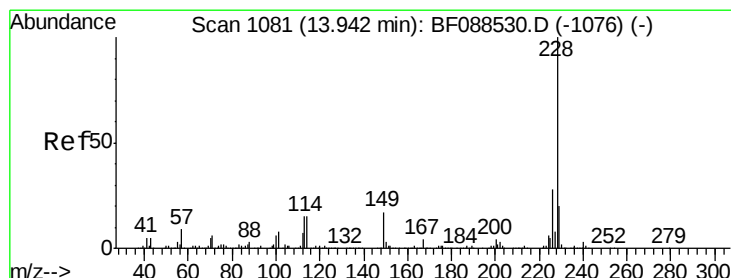
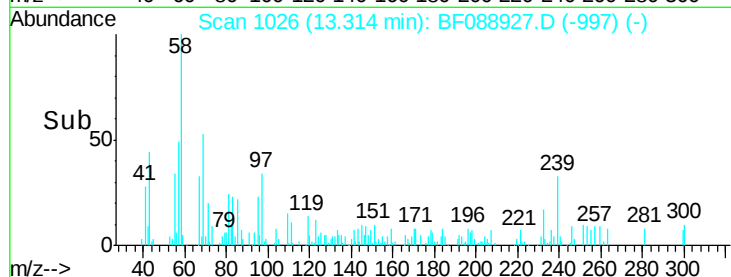
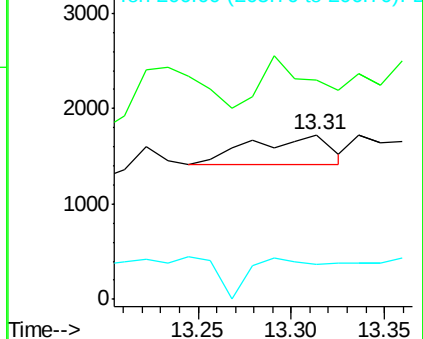
206 21.3 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 14.72 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

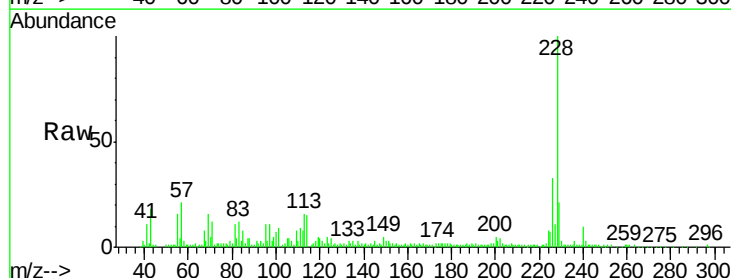
Tgt Ion:228 Resp: 128512

Ion Ratio Lower Upper

228 100

226 33.2 22.3 33.5

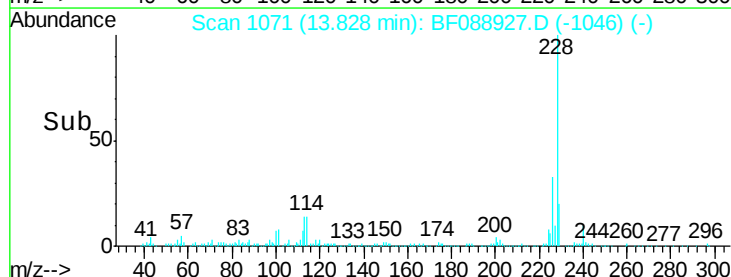
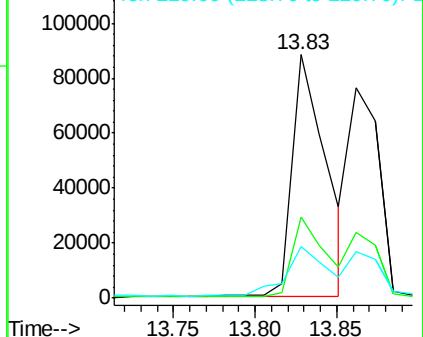
229 21.1 16.0 24.0

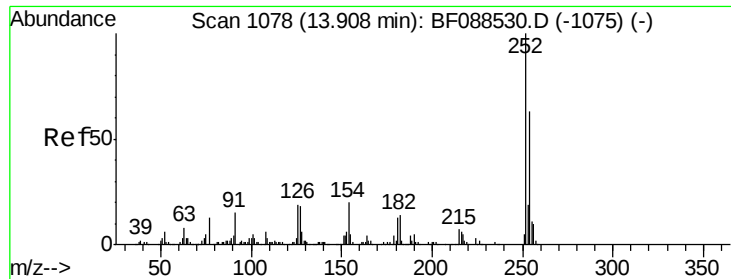


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

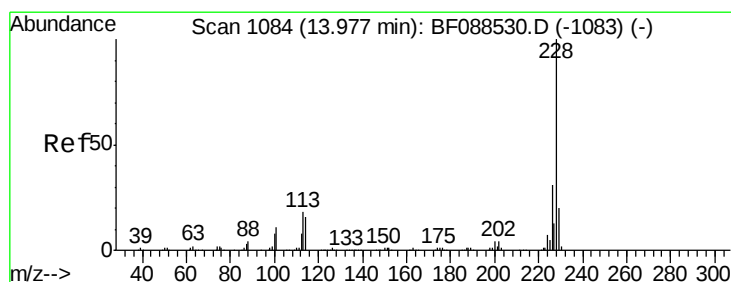
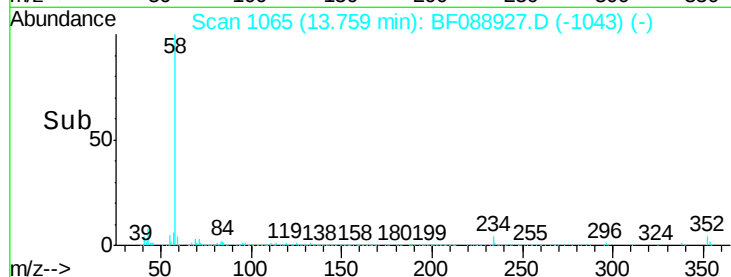
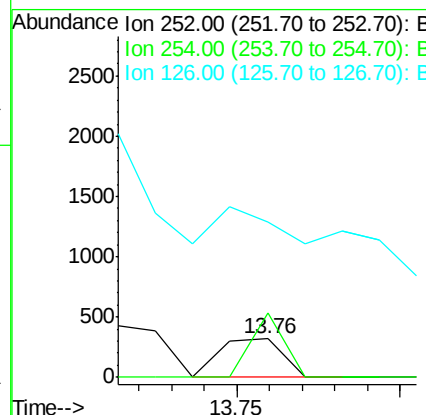
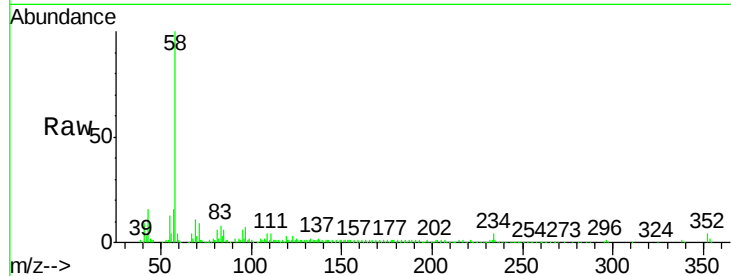




#81
 3,3'-Dichlorobenzidine
 Concen: 0.13 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.05 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

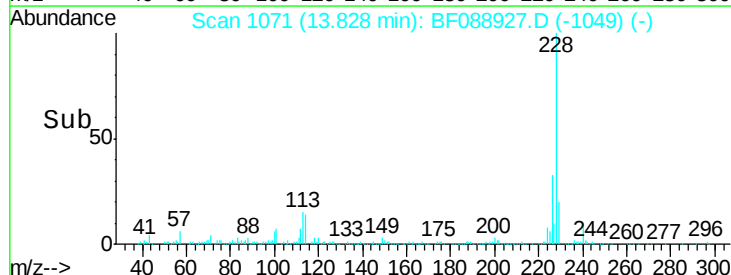
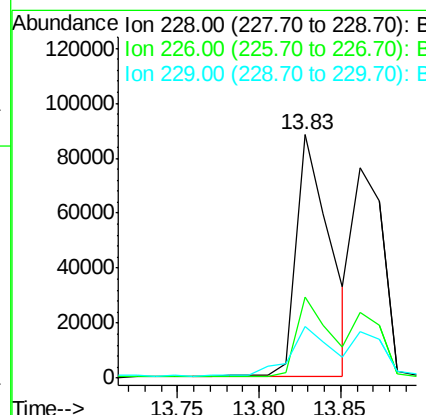
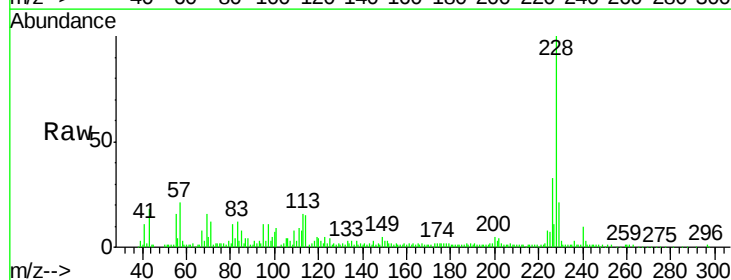
Instrument :
 BNA_F
 ClientSampled :
 SS-11

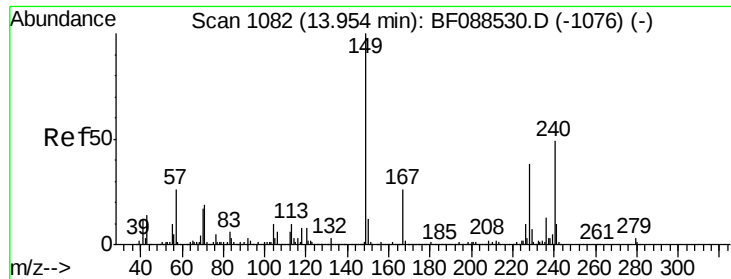
Tgt Ion: 252 Resp: 427
 Ion Ratio Lower Upper
 252 100
 254 165.3 52.6 78.8#
 126 403.4 6.2 9.2#



#82
 Chrysene
 Concen: 14.88 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.05 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

Tgt Ion: 228 Resp: 128512
 Ion Ratio Lower Upper
 228 100
 226 33.2 25.4 38.2
 229 21.1 16.3 24.5

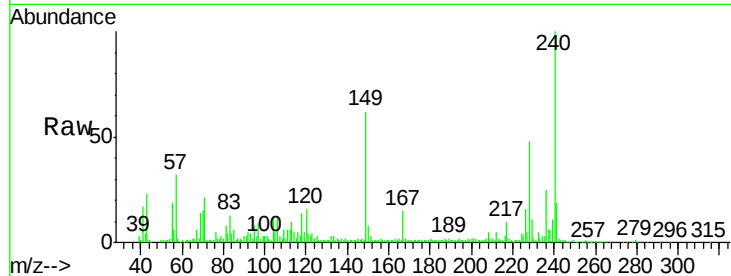




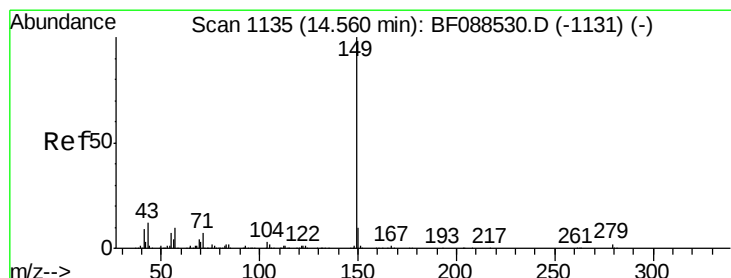
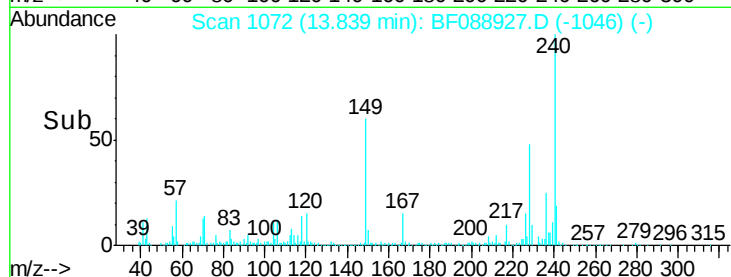
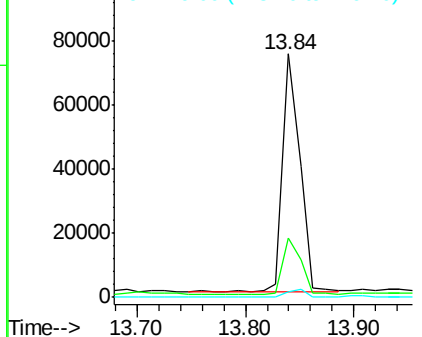
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.88 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SS-11

Tgt Ion:149 Resp: 81223
 Ion Ratio Lower Upper
 149 100
 167 24.6 20.5 30.7
 279 2.2 2.0 3.0

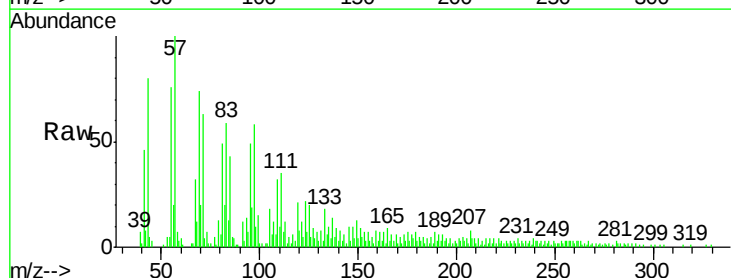


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

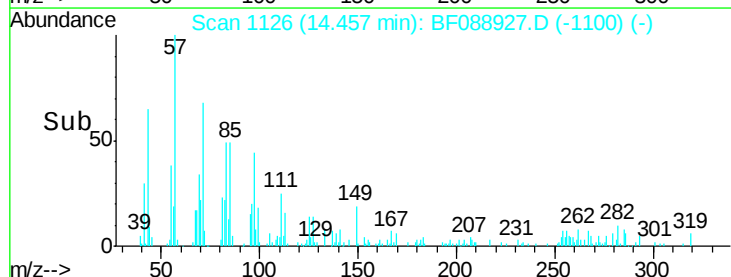
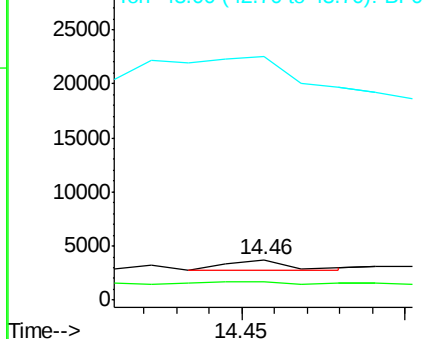


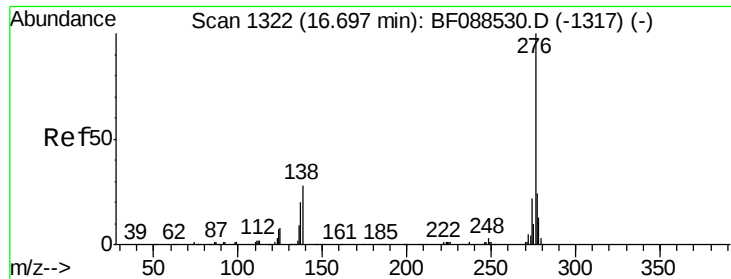
#84
 Di-n-octyl phthalate
 Concen: 0.14 ng
 RT: 14.46 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

Tgt Ion:149 Resp: 1385
 Ion Ratio Lower Upper
 149 100
 167 31.5 0.0 0.0#
 43 977.5 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

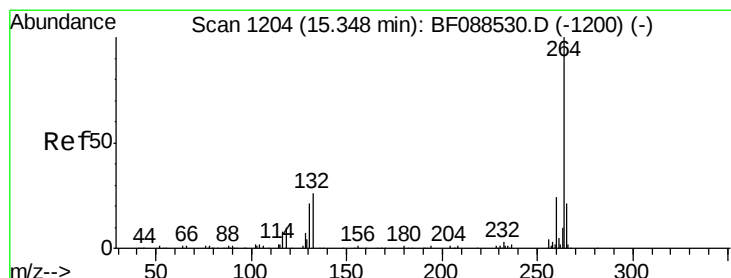
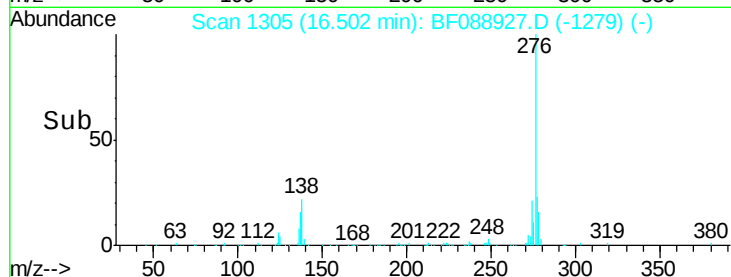
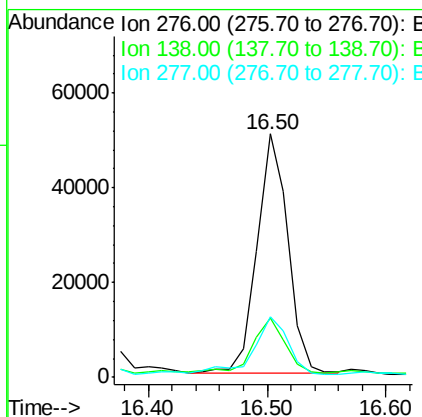
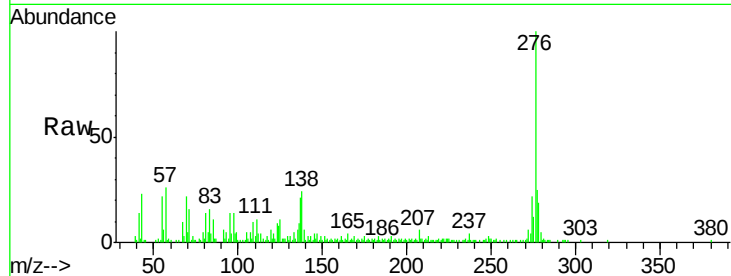




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.76 ng
 RT: 16.50 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SS-11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	0.0	0.0#
277	27.4	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.8	16.9	25.3

