

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088554.D
 Acq On : 1 Jul 2016 3:15
 Operator : UM/SJ
 Sample : H3630-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224

Quant Time: Jul 01 05:33:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 01 01:58:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	135650	20.00	ng	0.01
21) Naphthalene-d8	8.10	136	427289	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	174983	20.00	ng	0.01
63) Phenanthrene-d10	11.34	188	303113	20.00	ng	0.01
75) Chrysene-d12	13.98	240	195015	20.00	ng	0.02
86) Perylene-d12	15.41	264	174943	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1049525	115.95	ng	0.01
7) Phenol-d6	6.46	99	1382970	118.25	ng	0.01
23) Nitrobenzene-d5	7.38	82	808486	99.16	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	197055	121.27	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1186982	107.15	ng	0.01
78) Terphenyl-d14	12.93	244	687905	78.57	ng	0.01

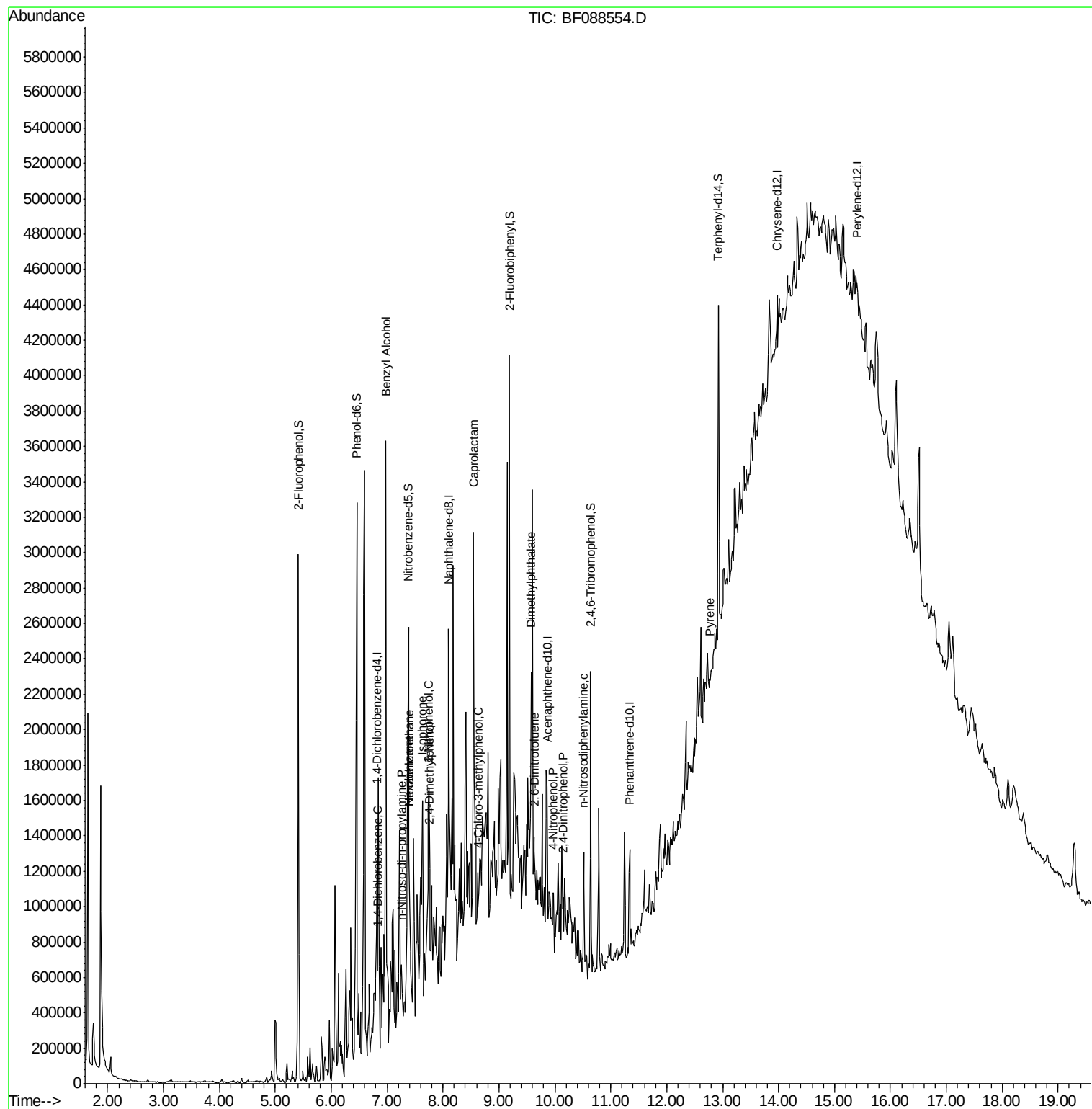
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	6.83	146	26569	2.50	ng	# 90
15) Benzyl Alcohol	6.98	79	28208	3.28	ng	# 43
18) Hexachloroethane	7.39	117	118173	28.75	ng	# 5
19) n-Nitroso-di-n-propylamine	7.26	70	34345	4.37	ng	# 58
24) Nitrobenzene	7.39	77	30633	3.73	ng	# 54
25) Isophorone	7.63	82	67669	4.48	ng	# 1
26) 2-Nitrophenol	7.74	139	7088	2.10	ng	# 1
27) 2,4-Dimethylphenol	7.76	122	15674	2.23	ng	# 1
35) Caprolactam	8.55	113	73938	38.36	ng	# 68
36) 4-Chloro-3-methylphenol	8.64	107	15553	2.32	ng	# 29
49) Dimethylphthalate	9.58	163	218293	17.51	ng	# 94
50) 2,6-Dinitrotoluene	9.63	165	8101	2.93	ng	# 41
53) 2,4-Dinitrophenol	10.15	184	5116	4.19	ng	95
55) 4-Nitrophenol	9.96	139	9012	3.38	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	41957	4.09	ng	# 49
77) Pyrene	12.78	202	47905	2.90	ng	# 91

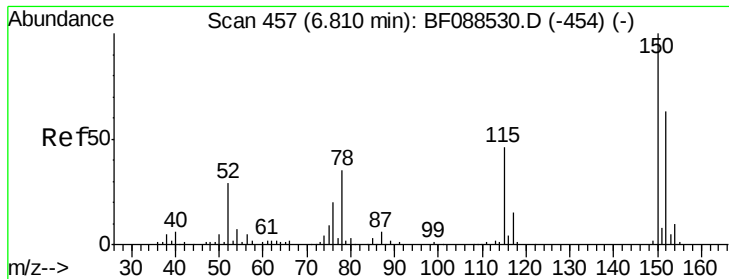
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224

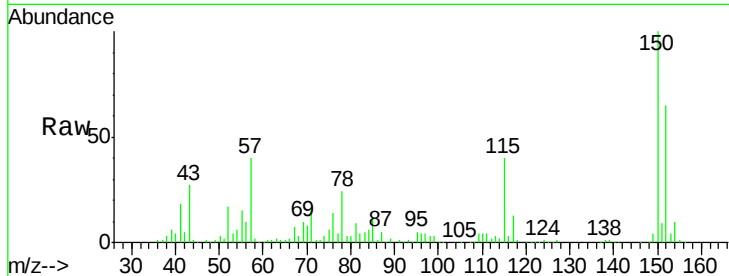
Tgt Ion:152 Resp: 135650

Ion Ratio Lower Upper

152 100

150 154.1 123.8 185.6

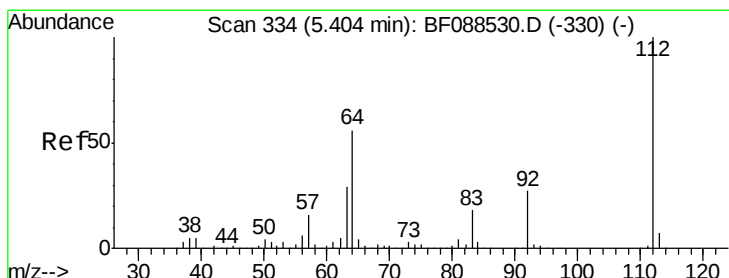
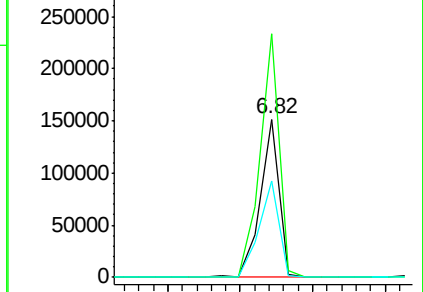
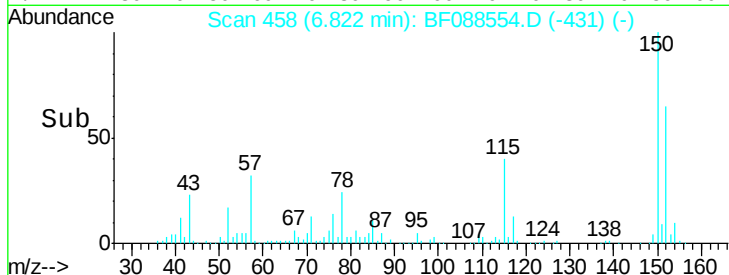
115 61.0 39.6 59.4#



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: 115.95 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.01 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

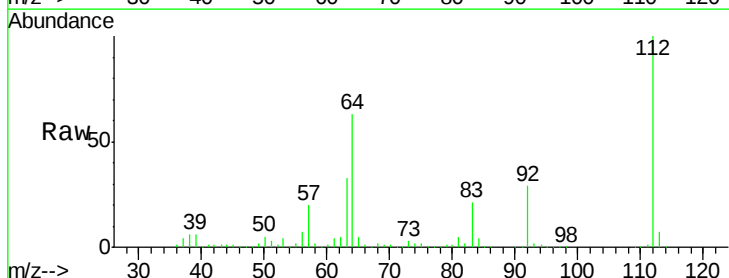
Tgt Ion:112 Resp: 1049525

Ion Ratio Lower Upper

112 100

64 63.0 42.2 63.2

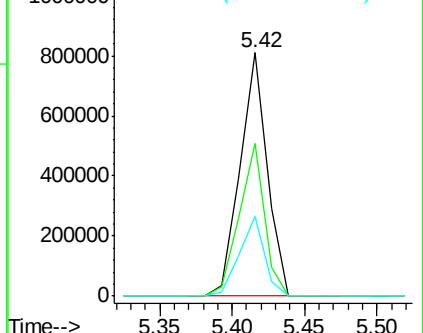
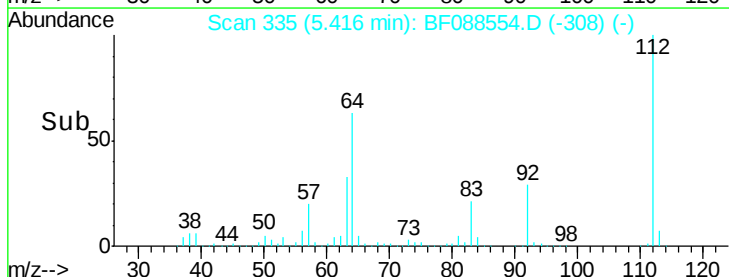
63 33.0 21.8 32.8#

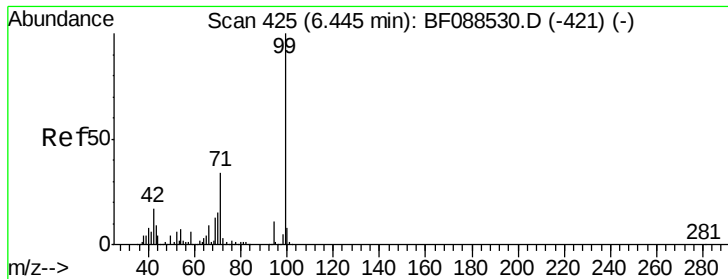


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.25 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224

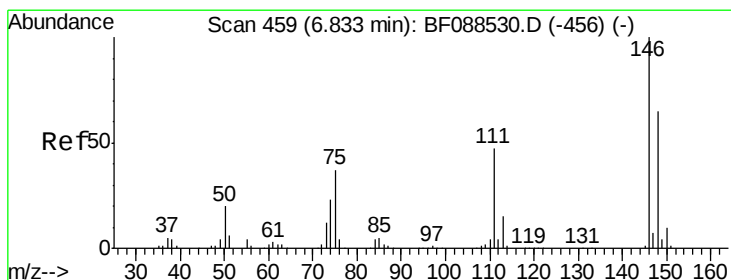
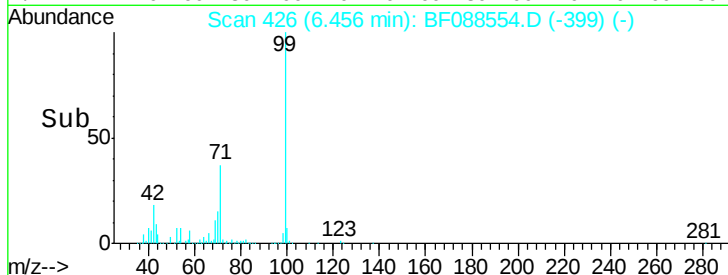
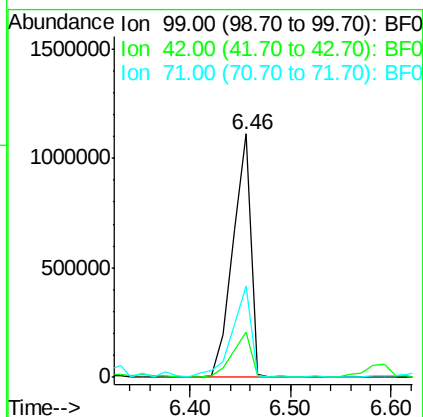
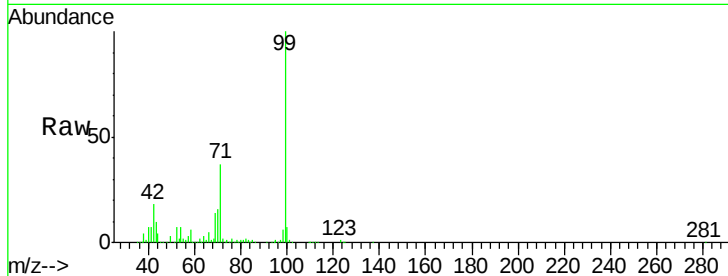
Tgt Ion: 99 Resp: 1382970

Ion Ratio Lower Upper

99 100

42 18.5 12.2 18.2#

71 37.3 23.4 35.0#



#13

1,4-Dichlorobenzene

Concen: 2.50 ng

RT: 6.83 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

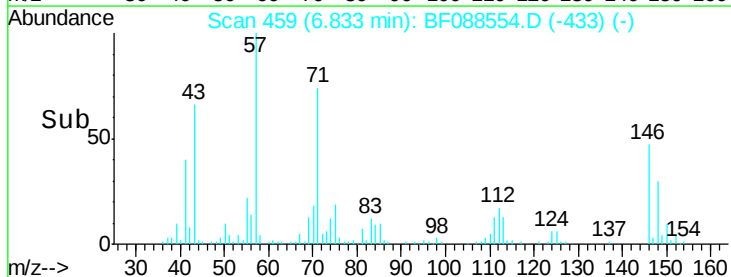
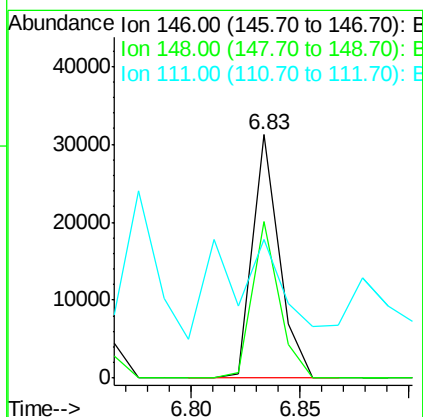
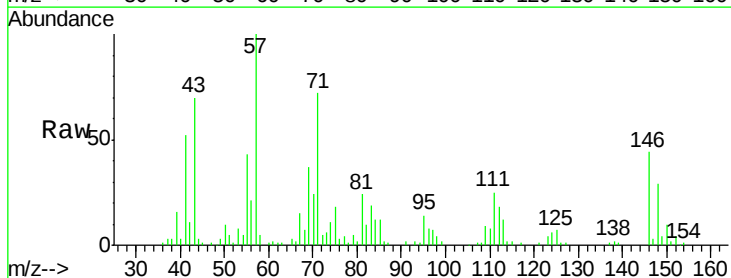
Tgt Ion: 146 Resp: 26569

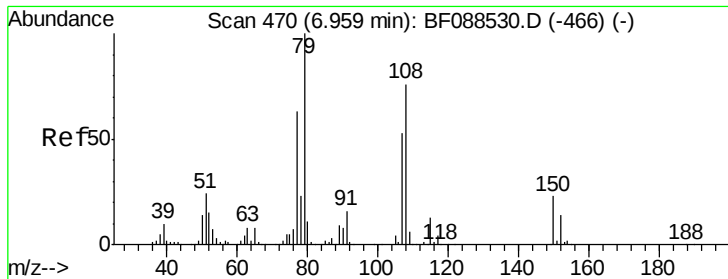
Ion Ratio Lower Upper

146 100

148 64.1 52.0 78.0

111 56.9 33.8 50.8#





#15

Benzyl Alcohol

Concen: 3.28 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.02 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224

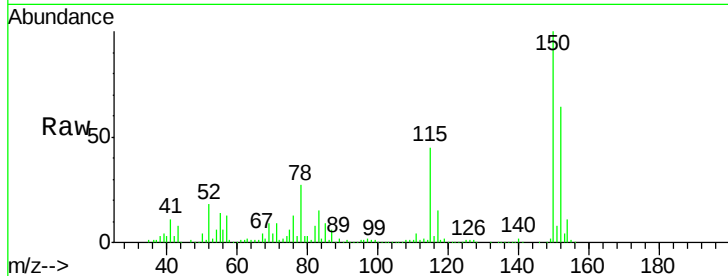
Tgt Ion: 79 Resp: 28208

Ion Ratio Lower Upper

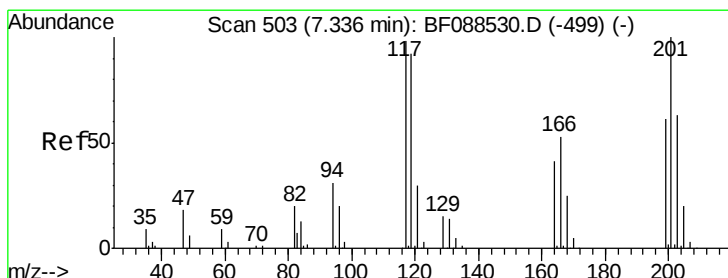
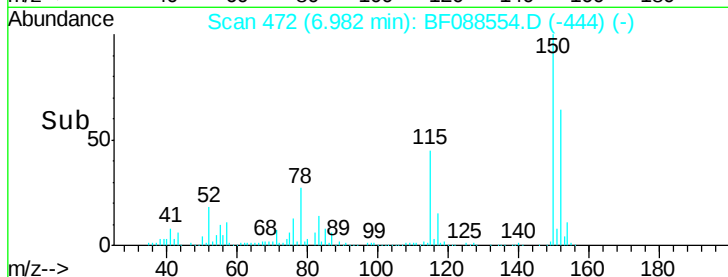
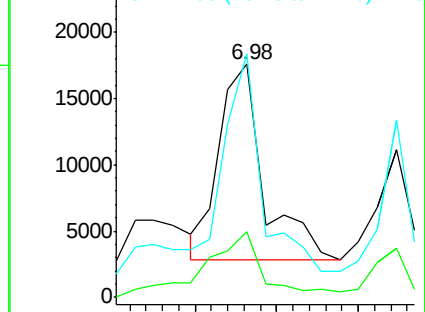
79 100

108 28.4 65.0 97.6#

77 104.6 50.3 75.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 28.75 ng

RT: 7.39 min Scan# 508

Delta R.T. 0.06 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

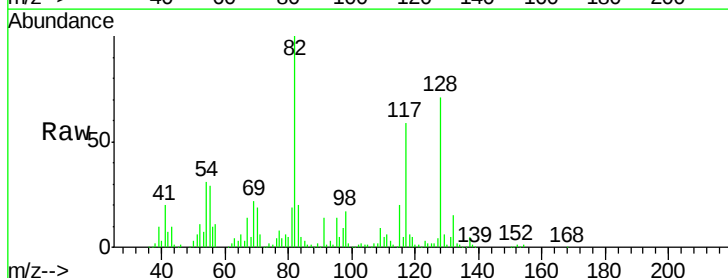
Tgt Ion: 117 Resp: 118173

Ion Ratio Lower Upper

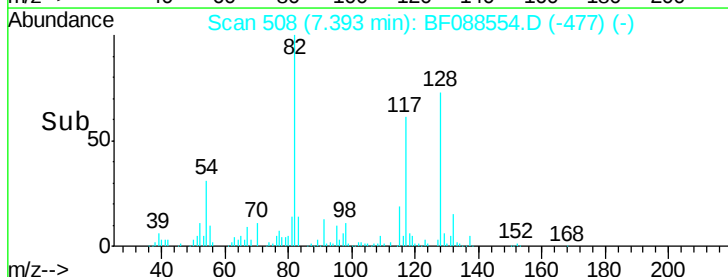
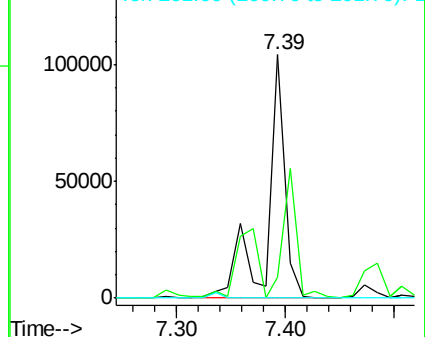
117 100

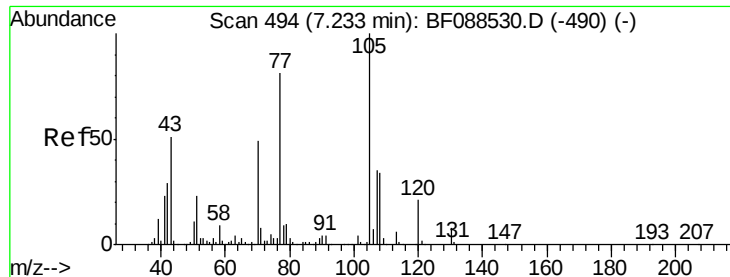
119 8.7 77.4 116.2#

201 0.0 80.4 120.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

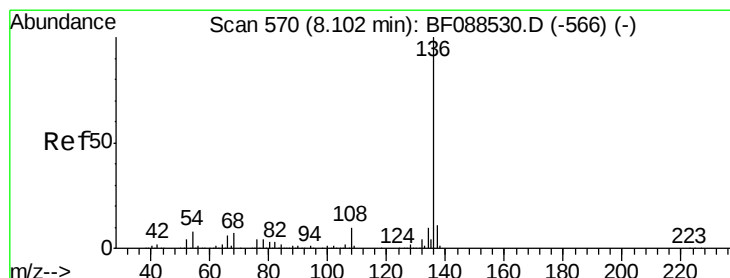
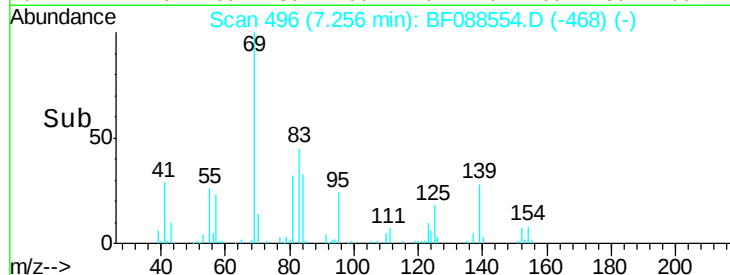
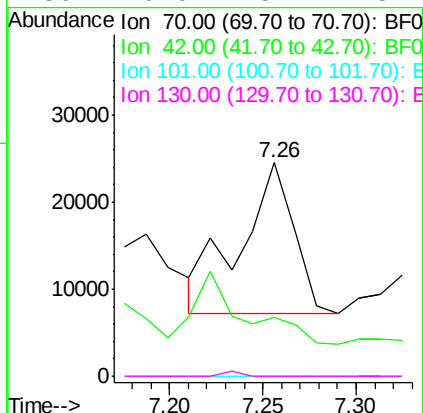
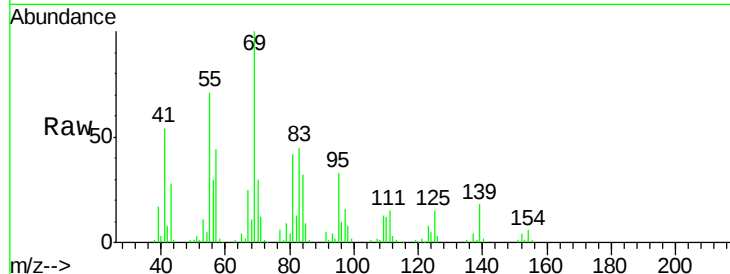




#19
n-Nitroso-di-n-propylamine
Concen: 4.37 ng
RT: 7.26 min Scan# 496
Delta R.T. 0.02 min
Lab File: BF088554.D
Acq: 1 Jul 2016 3:15

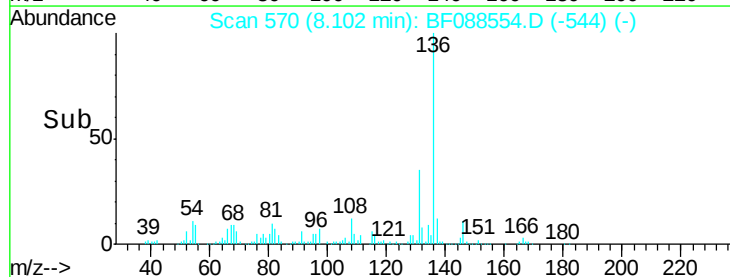
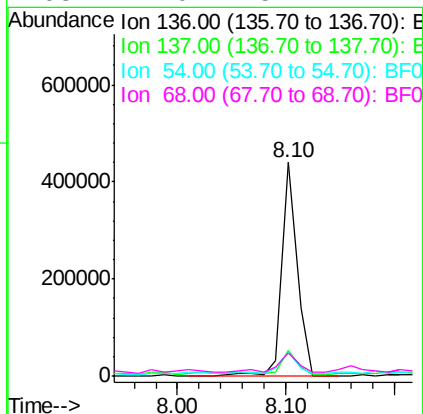
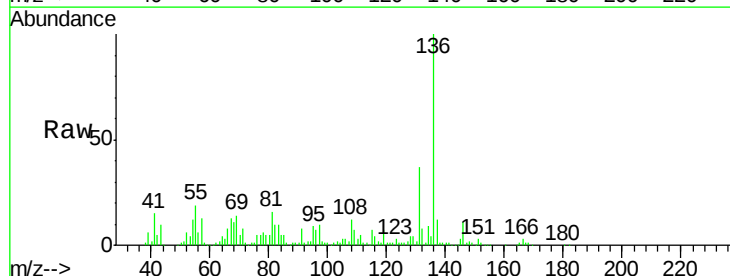
Instrument :
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B1409-TP03E-1224

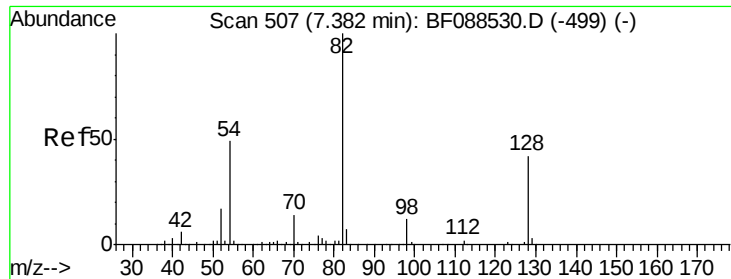
Tgt Ion: 70 Resp: 34345
Ion Ratio Lower Upper
70 100
42 27.6 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF088554.D
Acq: 1 Jul 2016 3:15

Tgt Ion: 136 Resp: 427289
Ion Ratio Lower Upper
136 100
137 12.2 9.1 13.7
54 11.7 6.6 10.0#
68 11.0 5.1 7.7#

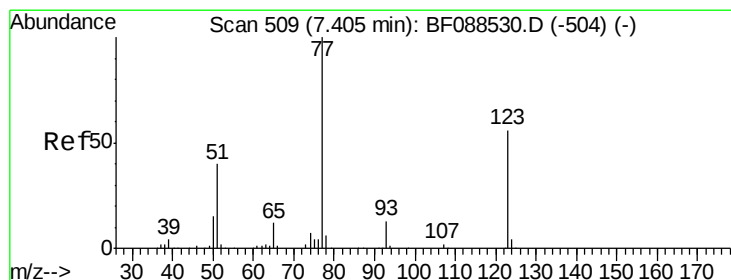
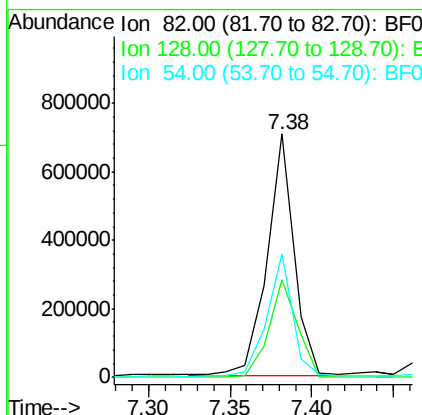
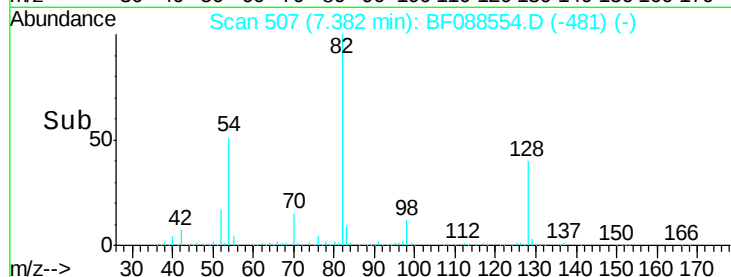
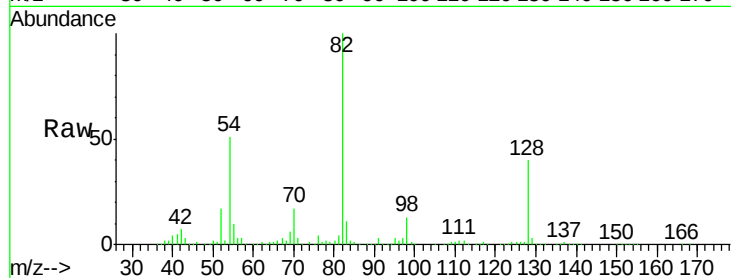




#23
 Nitrobenzene-d5
 Concen: 99.16 ng
 RT: 7.38 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

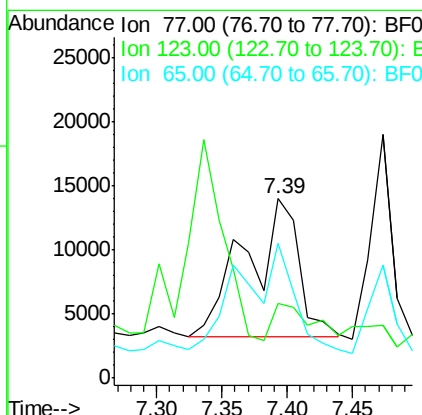
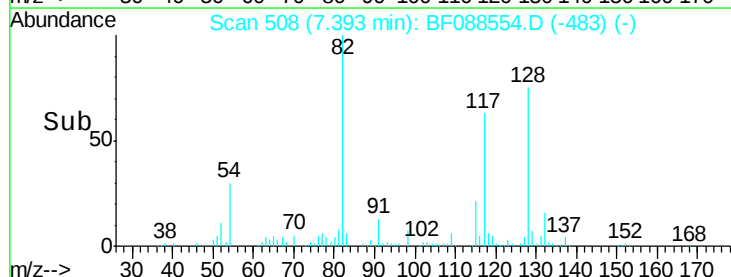
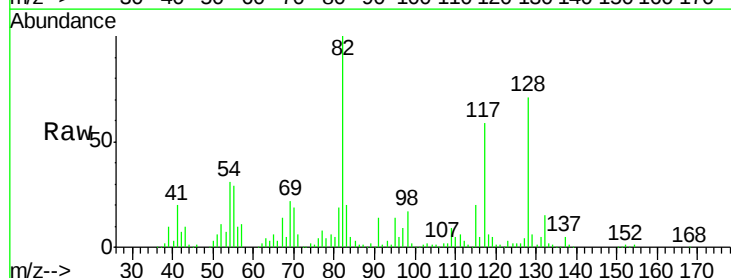
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224

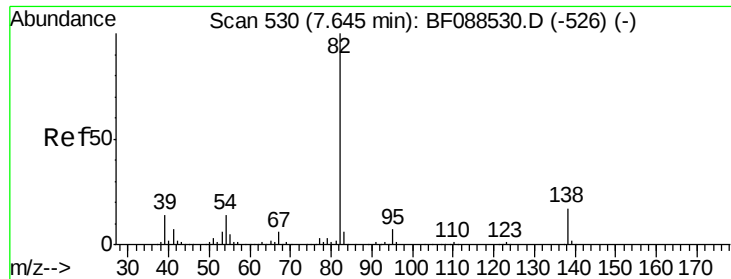
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.0	35.9	53.9
54	50.5	40.9	61.3



#24
 Nitrobenzene
 Concen: 3.73 ng
 RT: 7.39 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.6	45.0	67.4#
65	75.5	10.2	15.2#





#25

Isophorone

Concen: 4.48 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224

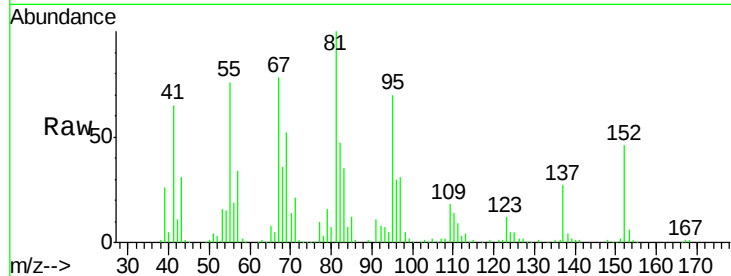
Tgt Ion: 82 Resp: 67669

Ion Ratio Lower Upper

82 100

95 150.8 5.4 8.2#

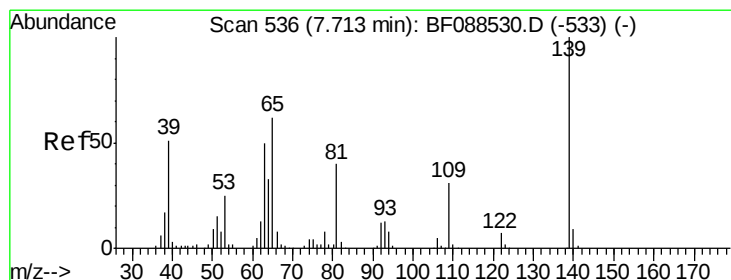
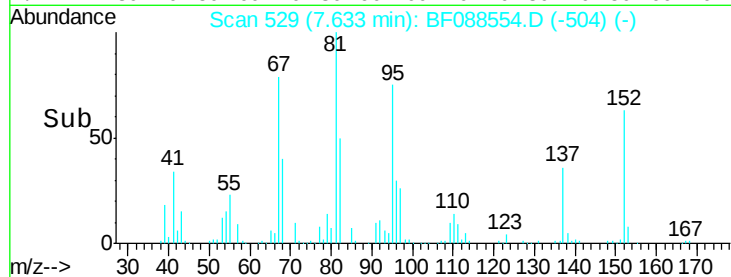
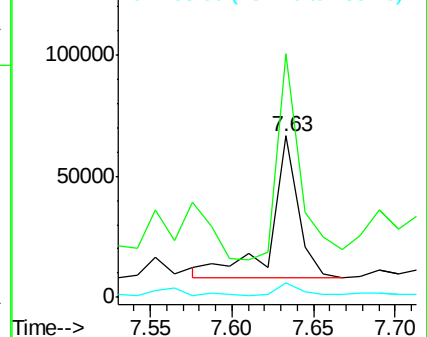
138 9.0 14.6 21.8#



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



#26

2-Nitrophenol

Concen: 2.10 ng

RT: 7.74 min Scan# 538

Delta R.T. 0.02 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

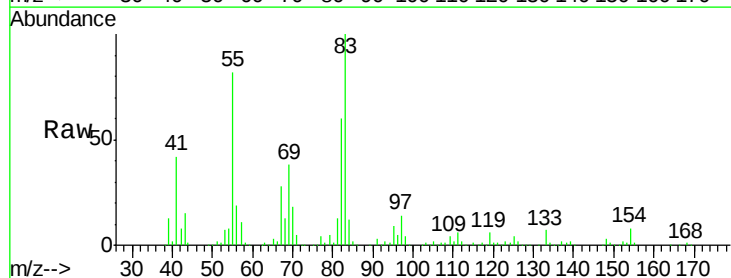
Tgt Ion: 139 Resp: 7088

Ion Ratio Lower Upper

139 100

109 238.6 23.0 34.4#

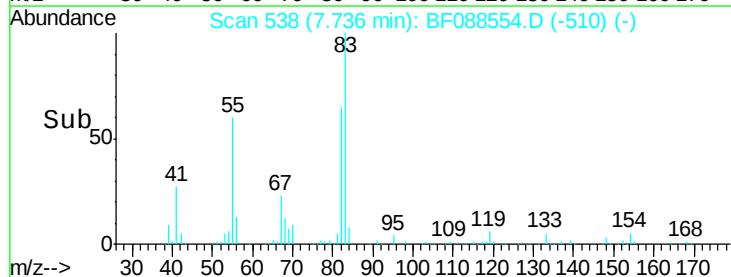
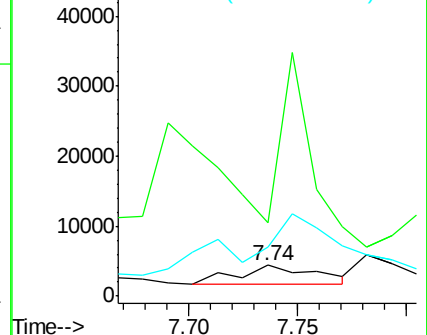
65 159.2 45.8 68.8#

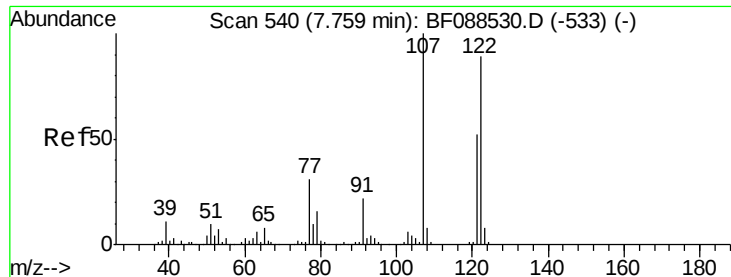


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

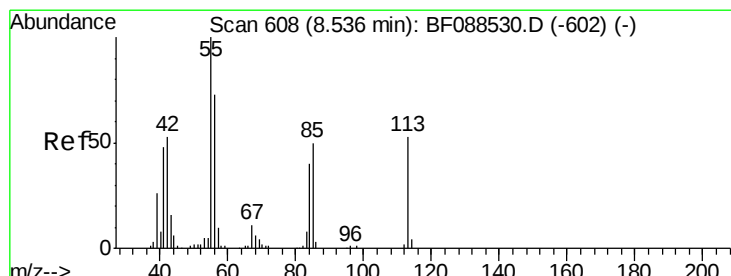
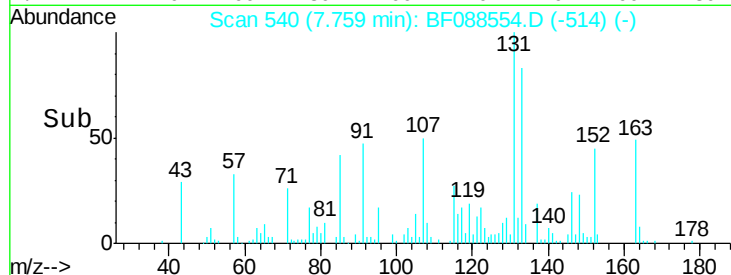
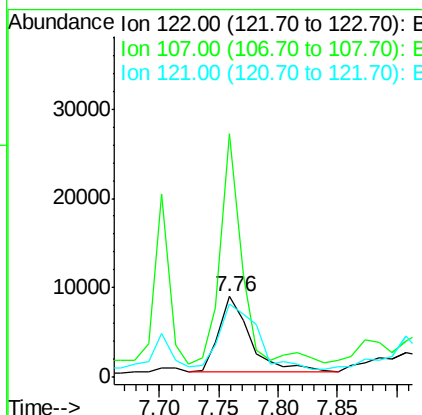
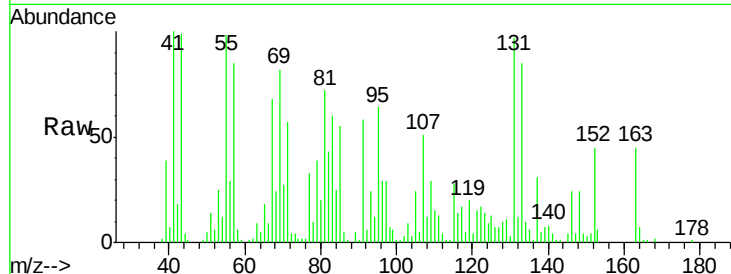




#27
 2,4-Dimethylphenol
 Concen: 2.23 ng
 RT: 7.76 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

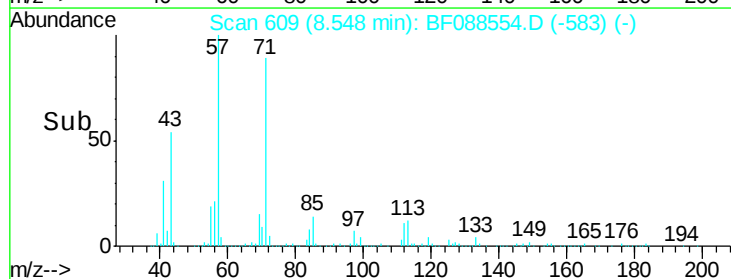
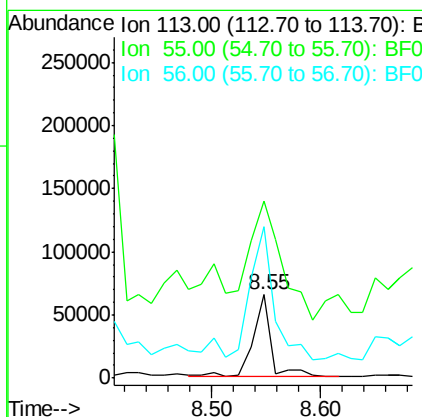
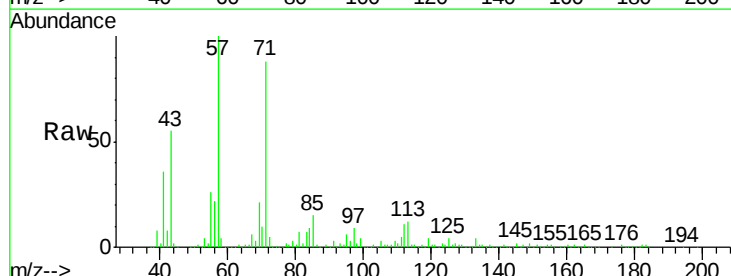
Instrument :
 BNA_F
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 B1409-TP03E-1224

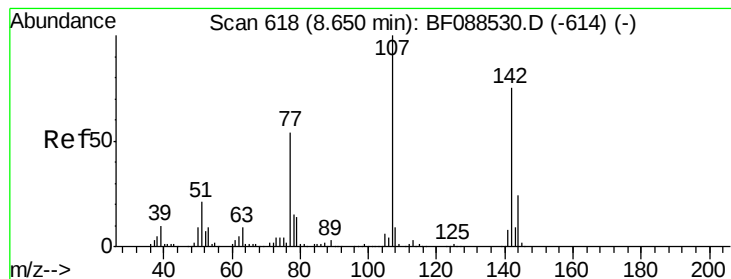
Tgt Ion:122 Resp: 15674
 Ion Ratio Lower Upper
 122 100
 107 301.8 82.4 123.6#
 121 90.8 46.3 69.5#



#35
 Caprolactam
 Concen: 38.36 ng
 RT: 8.55 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

Tgt Ion:113 Resp: 73938
 Ion Ratio Lower Upper
 113 100
 55 211.8 158.6 198.6#
 56 181.3 110.6 150.6#

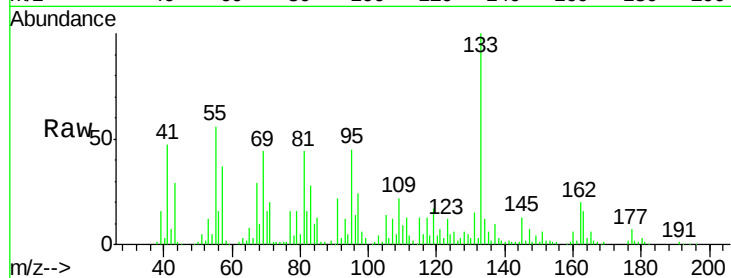




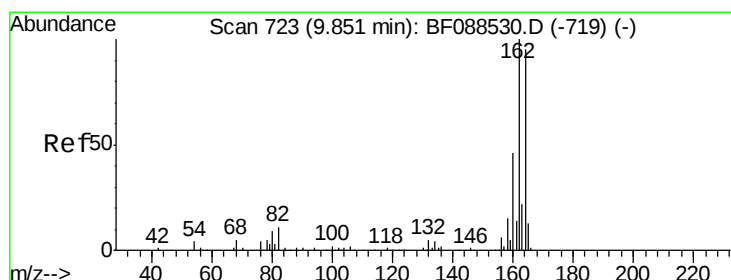
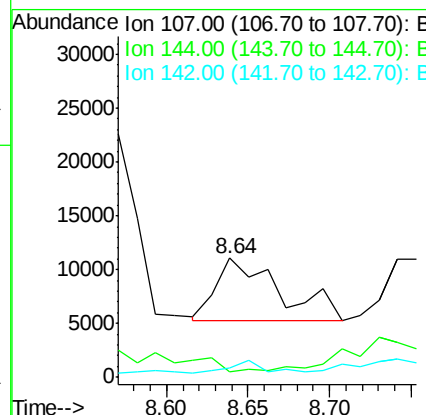
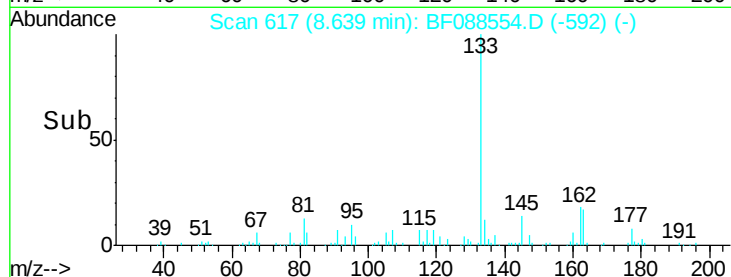
#36
 4-Chloro-3-methylphenol
 Concen: 2.32 ng
 RT: 8.64 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224

Tgt Ion:107 Resp: 15553
 Ion Ratio Lower Upper
 107 100
 144 5.0 20.8 31.2#
 142 7.8 63.4 95.2#

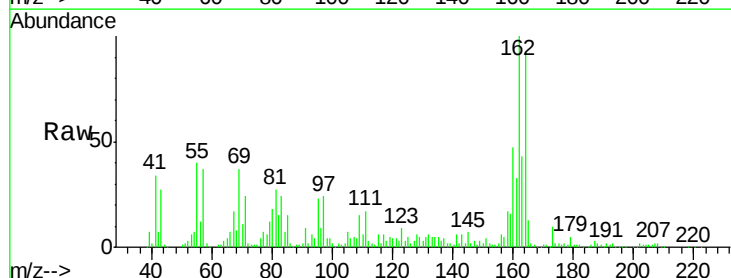


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

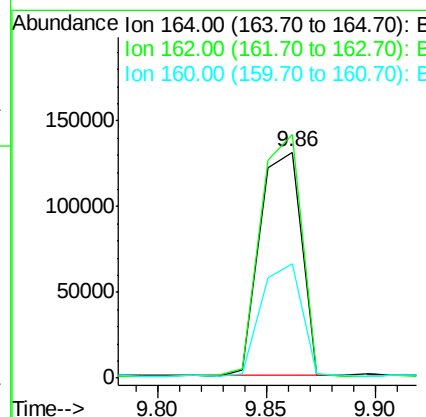
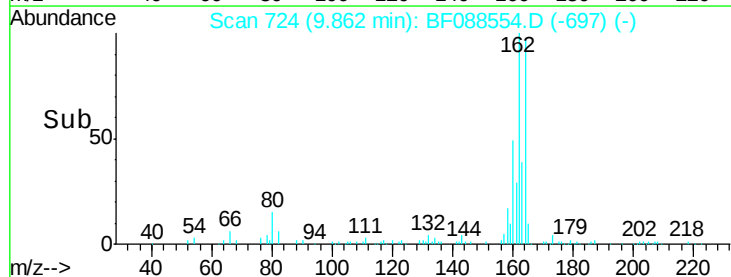


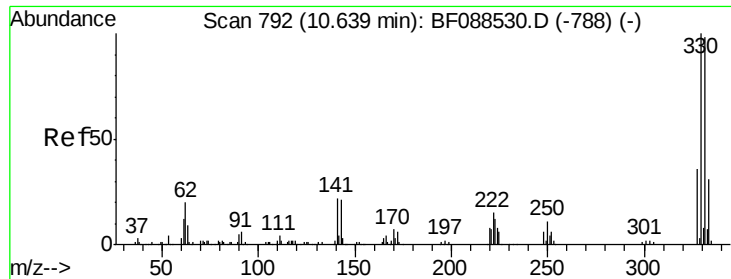
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

Tgt Ion:164 Resp: 174983
 Ion Ratio Lower Upper
 164 100
 162 107.7 85.4 128.2
 160 50.3 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

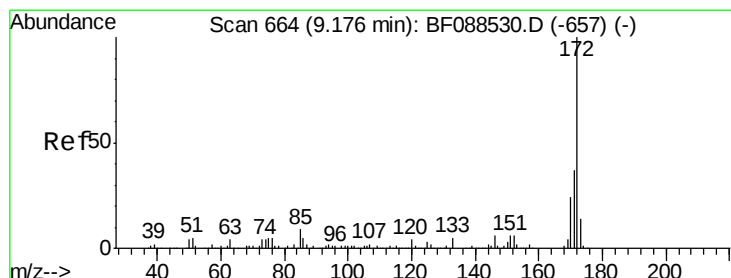
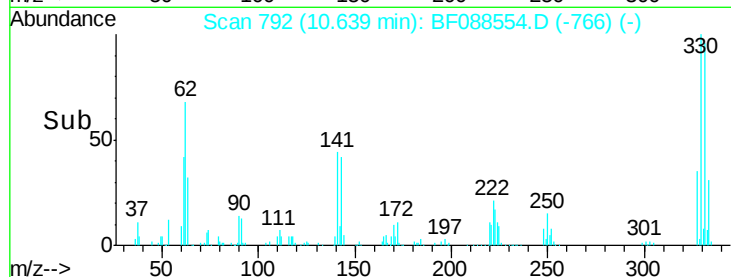
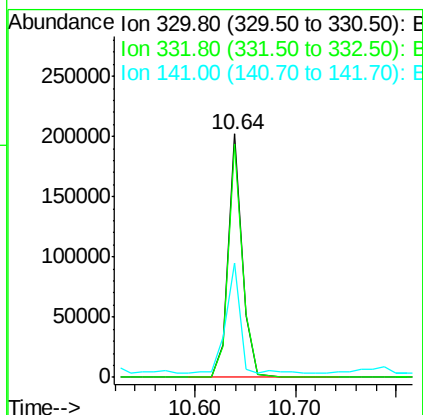
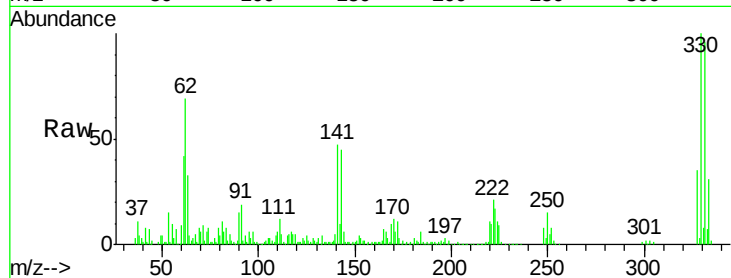




#41
 2,4,6-Tribromophenol
 Concen: 121.27 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

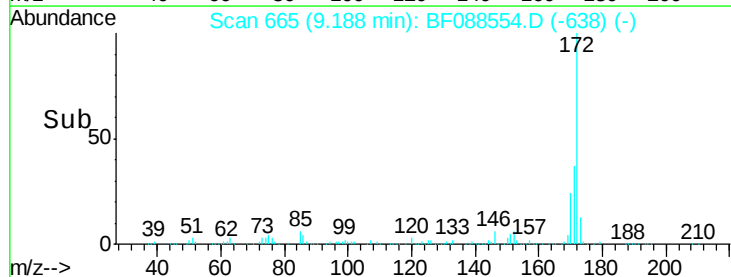
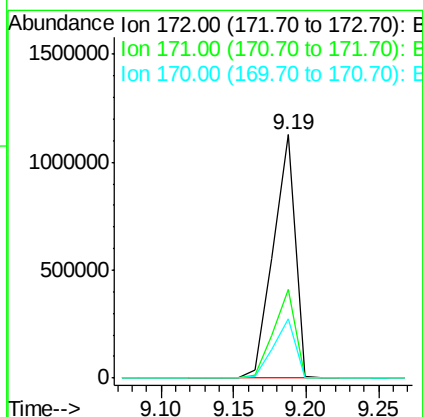
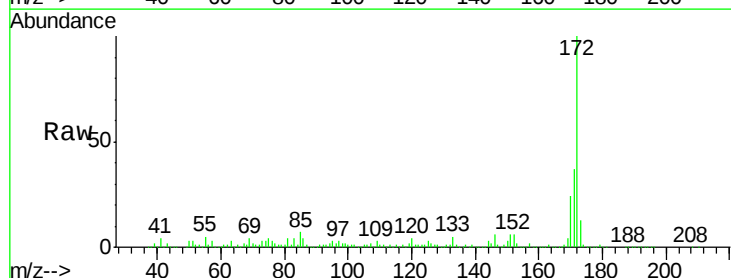
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224

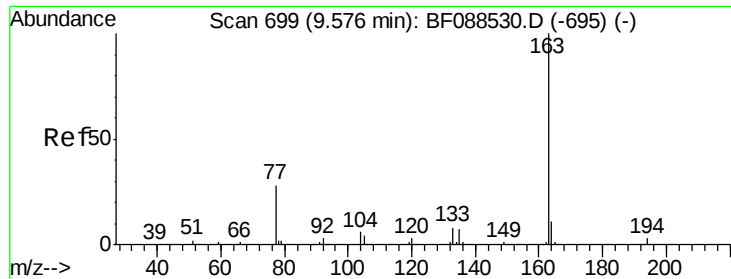
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	47.6	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 107.15 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	24.4	19.2	28.8

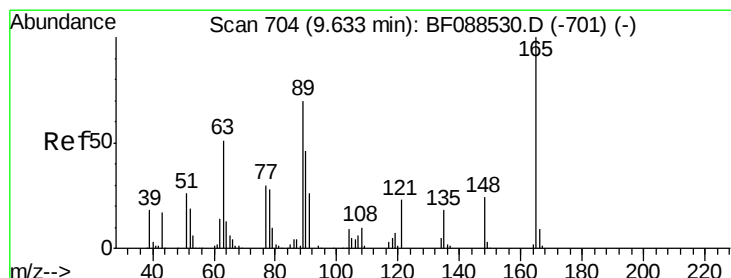
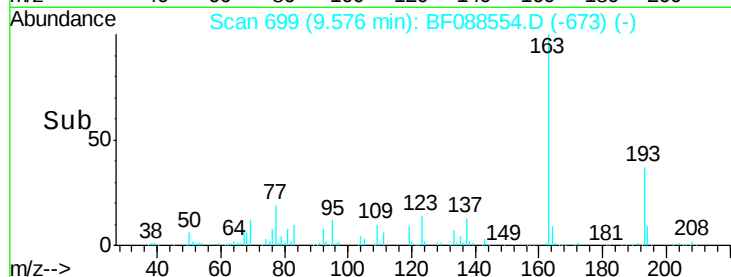
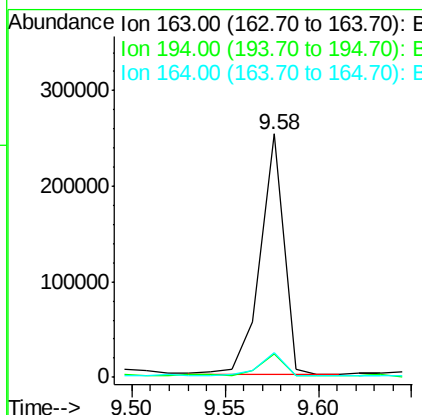
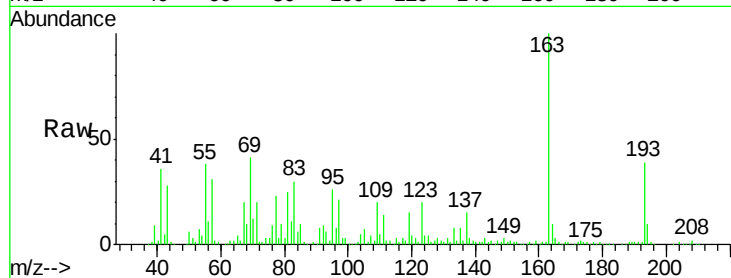




#49
Dimethylphthalate
Concen: 17.51 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF088554.D
Acq: 1 Jul 2016 3:15

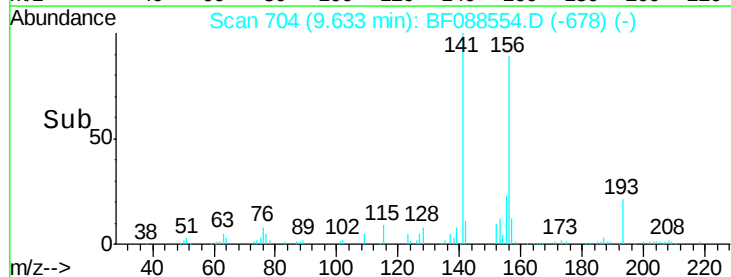
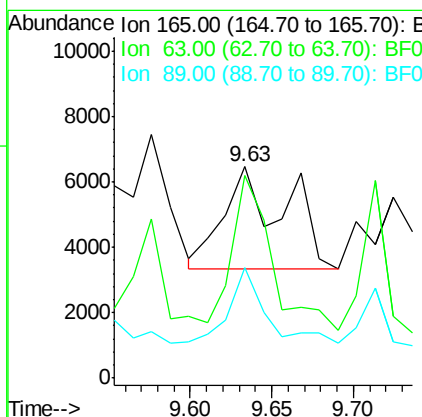
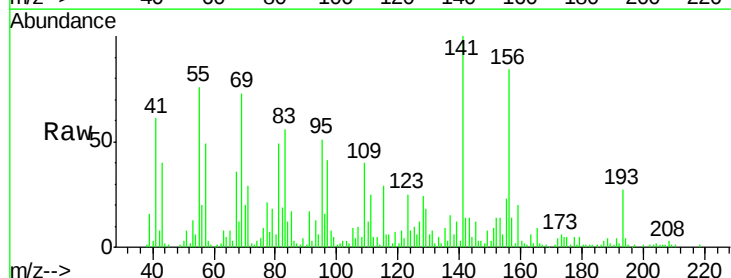
Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224

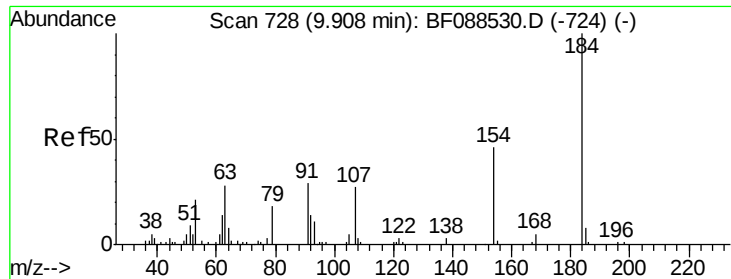
Tgt Ion:163 Resp: 218293
Ion Ratio Lower Upper
163 100
194 9.8 2.8 4.2#
164 10.0 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 2.93 ng
RT: 9.63 min Scan# 704
Delta R.T. 0.00 min
Lab File: BF088554.D
Acq: 1 Jul 2016 3:15

Tgt Ion:165 Resp: 8101
Ion Ratio Lower Upper
165 100
63 96.0 28.1 42.1#
89 52.1 32.2 48.2#

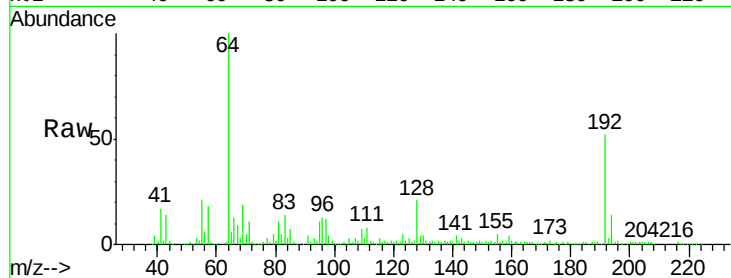




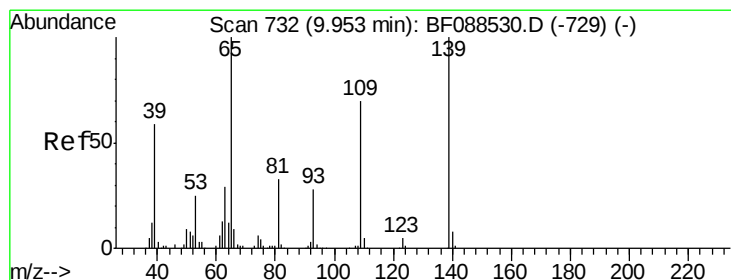
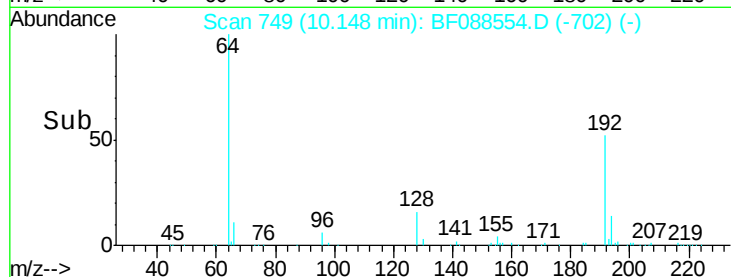
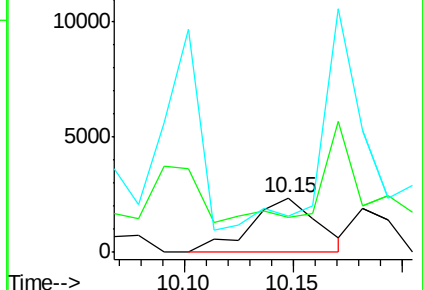
#53
2,4-Dinitrophenol
Concen: 4.19 ng
RT: 10.15 min Scan# 749
Delta R.T. 0.24 min
Lab File: BF088554.D
Acq: 1 Jul 2016 3:15

Instrument :
BNA_F
ClientSampleId :
B1409-TP03E-1224

Tgt Ion:184 Resp: 5116
Ion Ratio Lower Upper
184 100
63 64.3 57.6 86.4
154 66.4 53.5 80.3

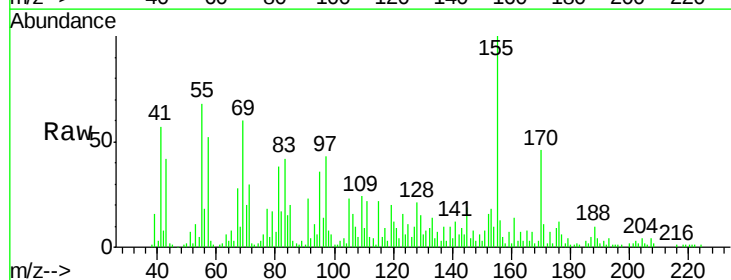


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

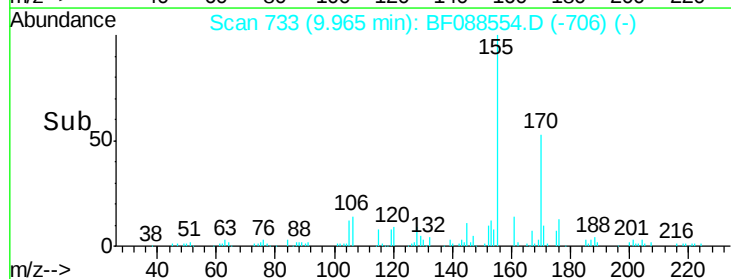
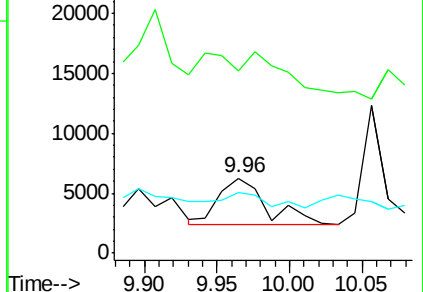


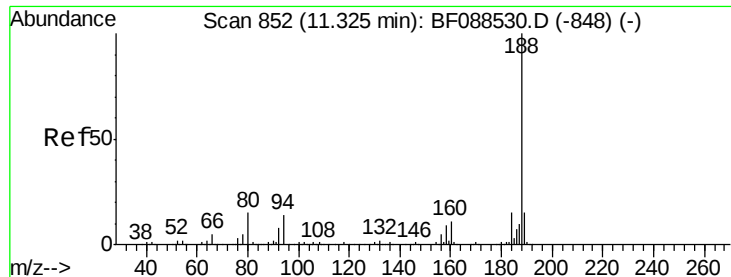
#55
4-Nitrophenol
Concen: 3.38 ng
RT: 9.96 min Scan# 733
Delta R.T. 0.01 min
Lab File: BF088554.D
Acq: 1 Jul 2016 3:15

Tgt Ion:139 Resp: 9012
Ion Ratio Lower Upper
139 100
109 242.6 48.9 88.9#
65 81.2 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 853

Delta R.T. 0.01 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224

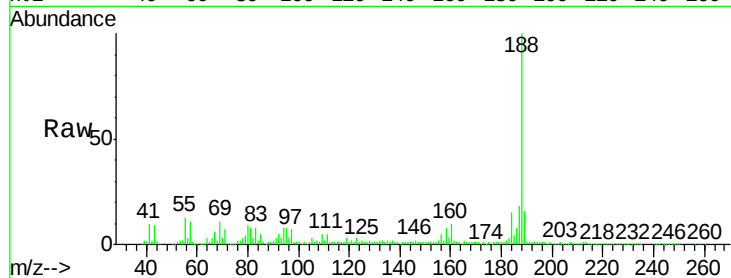
Tgt Ion:188 Resp: 303113

Ion Ratio Lower Upper

188 100

94 8.1 9.0 13.6#

80 8.5 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

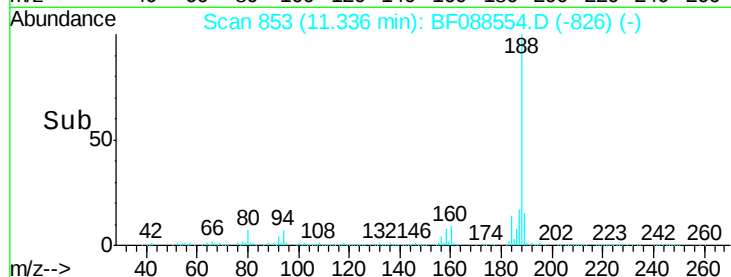
300000

200000

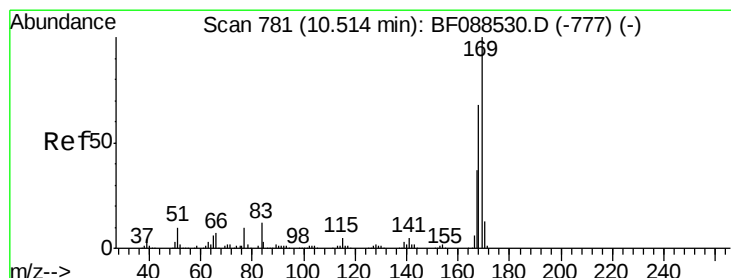
100000

0

11.25 11.30 11.35



Time-->



#65

n-Nitrosodiphenylamine

Concen: 4.09 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

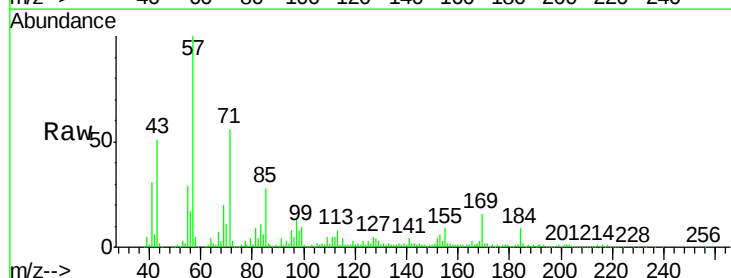
Tgt Ion:169 Resp: 41957

Ion Ratio Lower Upper

169 100

168 20.3 53.4 80.0#

167 13.8 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

40000

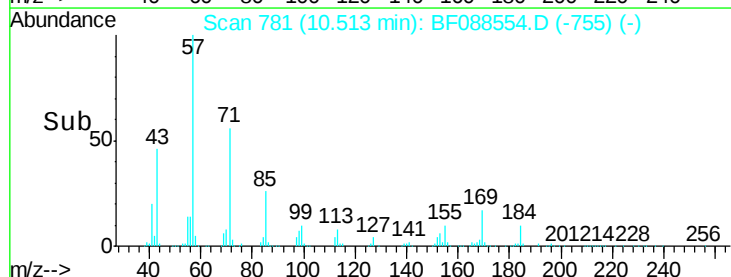
30000

20000

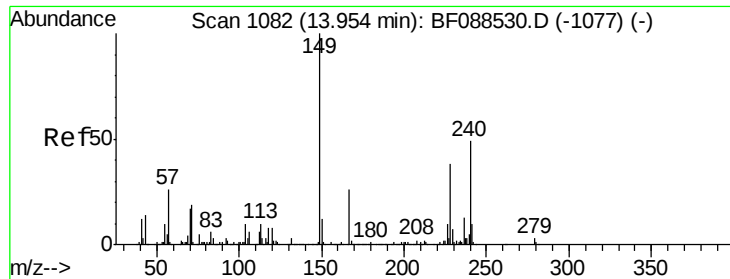
10000

0

10.50 10.55



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1084

Delta R.T. 0.02 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

Instrument :

BNA_F

ClientSampleId :

B1409-TP03E-1224

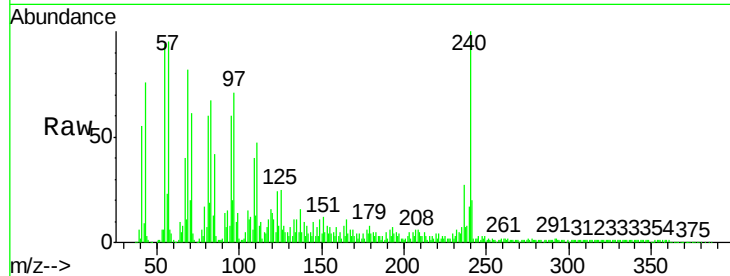
Tgt Ion:240 Resp: 195015

Ion Ratio Lower Upper

240 100

120 14.1 6.8 10.2#

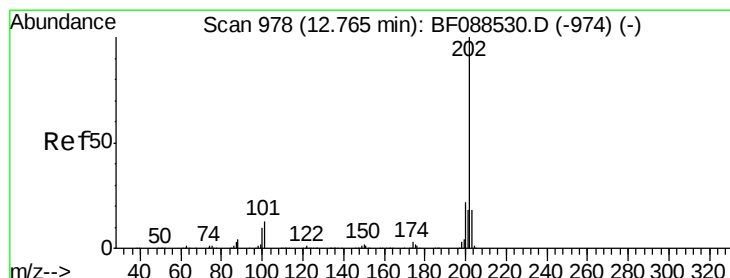
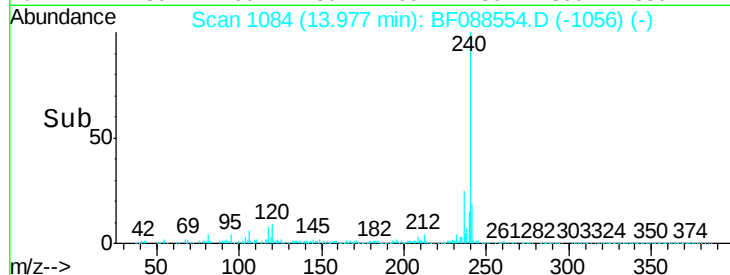
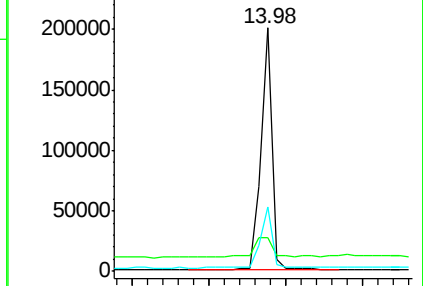
236 26.5 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.90 ng

RT: 12.78 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF088554.D

Acq: 1 Jul 2016 3:15

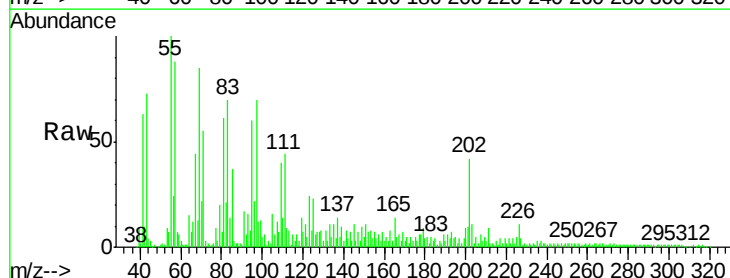
Tgt Ion:202 Resp: 47905

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

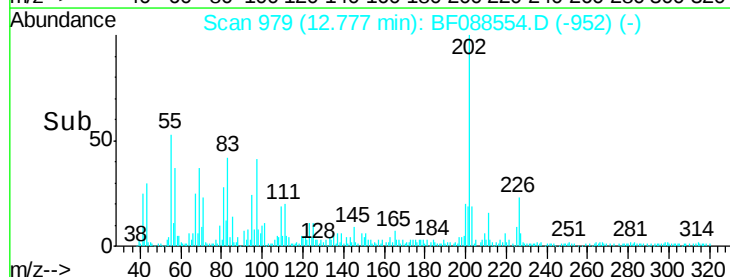
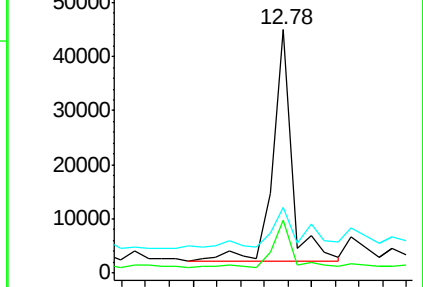
203 27.1 14.5 21.7#

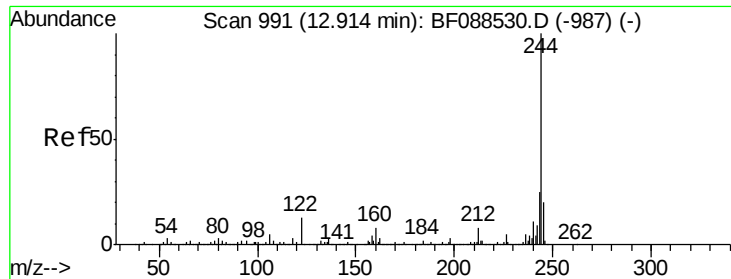


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

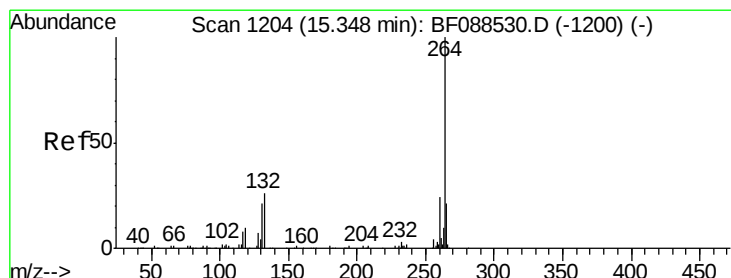
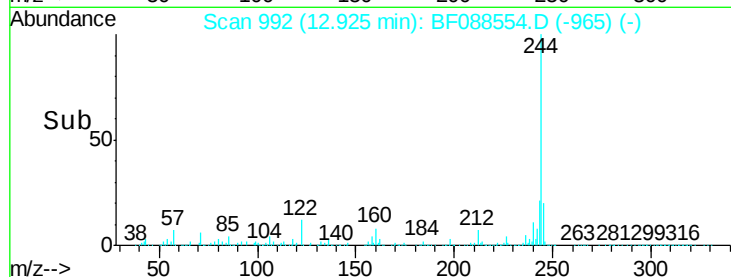
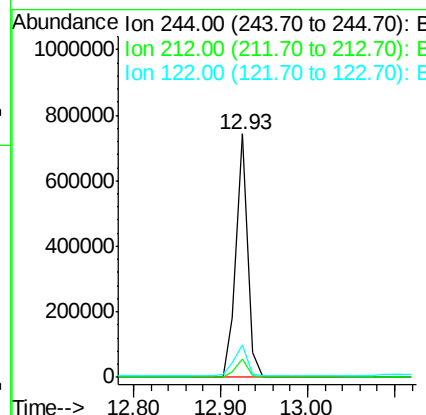
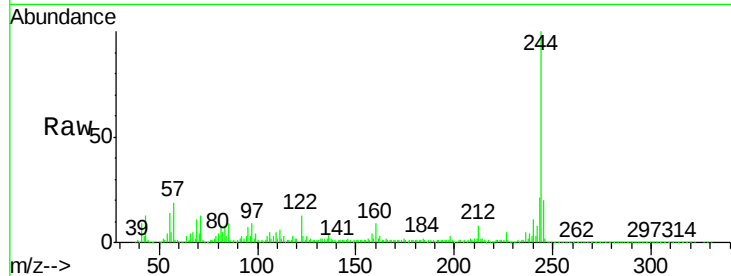




#78
 Terphenyl-d14
 Concen: 78.57 ng
 RT: 12.93 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP03E-1224

Tgt Ion:244 Resp: 687905
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.1 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1209
 Delta R.T. 0.06 min
 Lab File: BF088554.D
 Acq: 1 Jul 2016 3:15

Tgt Ion:264 Resp: 174943
 Ion Ratio Lower Upper
 264 100
 260 25.7 19.2 28.8
 265 24.4 16.9 25.3

