

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088550.D
 Acq On : 1 Jul 2016 1:19
 Operator : UM/SJ
 Sample : H3630-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01N-1224

Quant Time: Jul 01 05:32:11 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

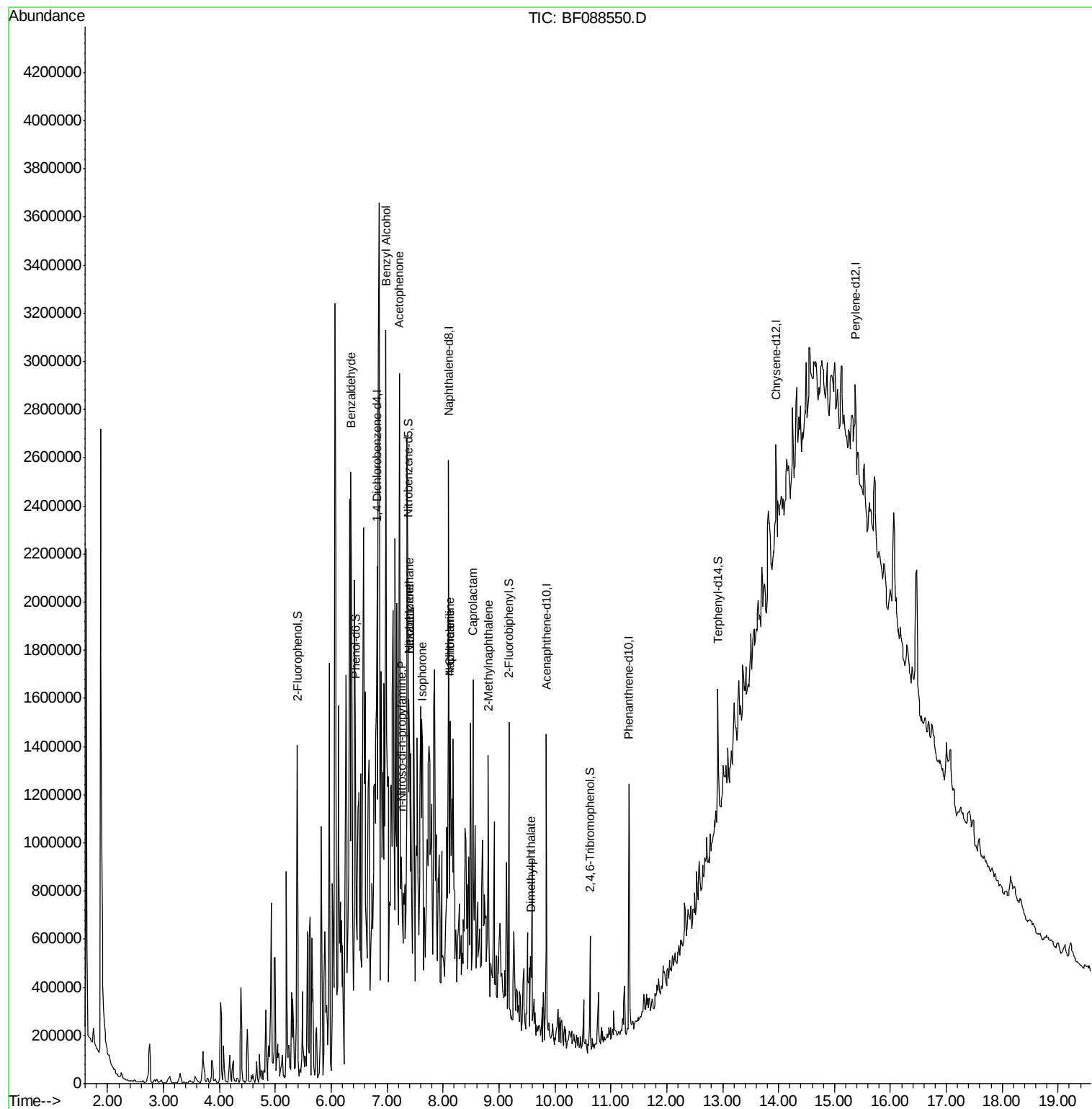
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	126917	20.00	ng	0.01
21) Naphthalene-d8	8.10	136	458461	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	223196	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	328438	20.00	ng	0.00
75) Chrysene-d12	13.95	240	205205	20.00	ng	0.00
86) Perylene-d12	15.37	264	224594	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	220203	26.00	ng	-0.01
7) Phenol-d6	6.43	99	299548	27.38	ng	-0.01
23) Nitrobenzene-d5	7.37	82	218946	25.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	41718	20.13	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	341397	24.16	ng	0.00
78) Terphenyl-d14	12.91	244	176372	19.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.35	77	16389	2.21	ng	# 4
15) Benzyl Alcohol	6.98	79	23497	2.92	ng	# 39
18) Hexachloroethane	7.39	117	372539	96.88	ng	# 5
19) n-Nitroso-di-n-propylamine	7.26	70	32569	4.43	ng	# 60
22) Acetophenone	7.22	105	58151	5.23	ng	# 1
24) Nitrobenzene	7.39	77	26324	2.98	ng	# 33
25) Isophorone	7.63	82	55878	3.45	ng	# 1
31) Naphthalene	8.12	128	187500	8.30	ng	# 85
33) 4-Chloroaniline	8.12	127	26645	2.65	ng	# 1
35) Caprolactam	8.54	113	29030	14.04	ng	# 1
37) 2-Methylnaphthalene	8.81	142	269894	18.55	ng	# 94
49) Dimethylphthalate	9.56	163	37571	2.36	ng	# 91

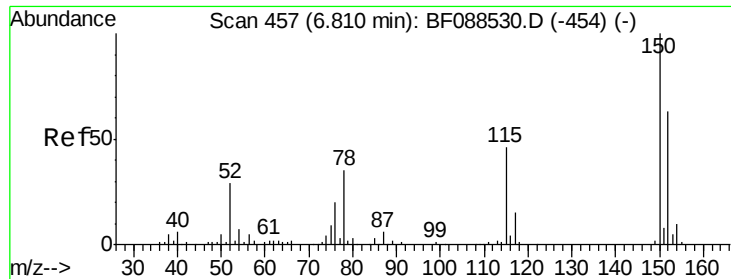
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088550.D

Acq: 1 Jul 2016 1:19

Instrument :

BNA_F

ClientSampleId :

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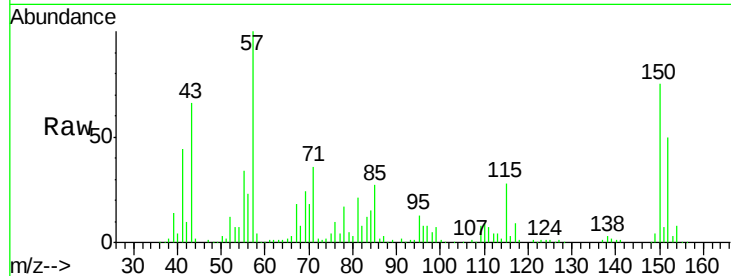
Tgt Ion:152 Resp: 126917

Ion Ratio Lower Upper

152 100

150 150.6 123.8 185.6

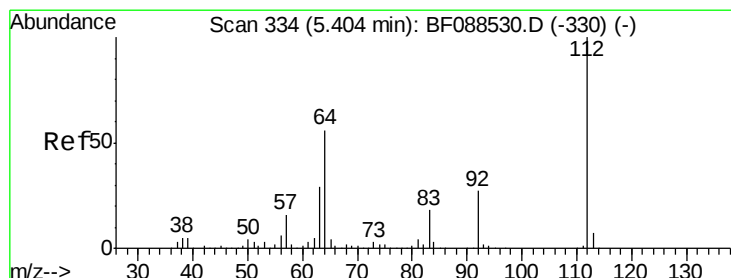
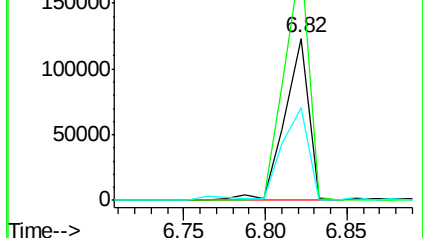
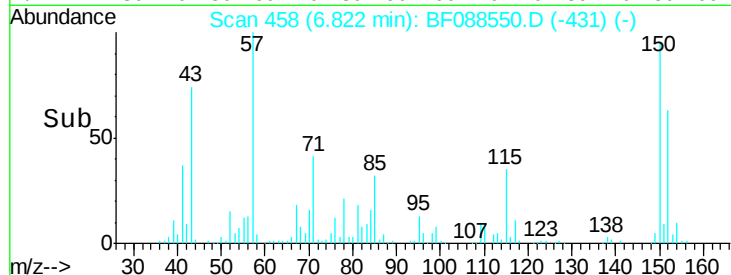
115 57.2 39.6 59.4



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



#5

2-Fluorophenol

Concen: 26.00 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

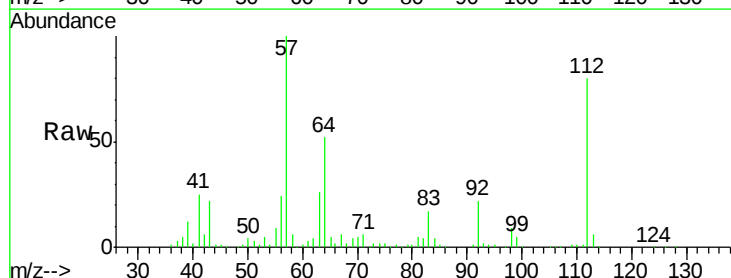
Tgt Ion:112 Resp: 220203

Ion Ratio Lower Upper

112 100

64 65.2 42.2 63.2#

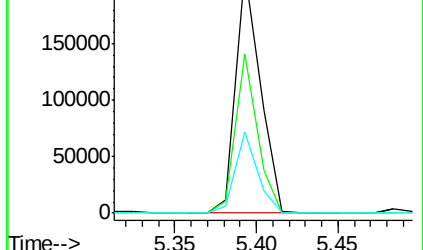
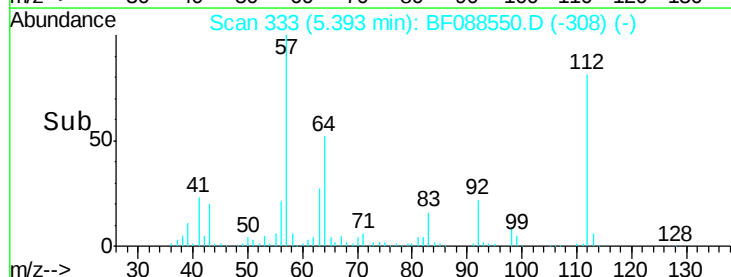
63 33.1 21.8 32.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.38 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

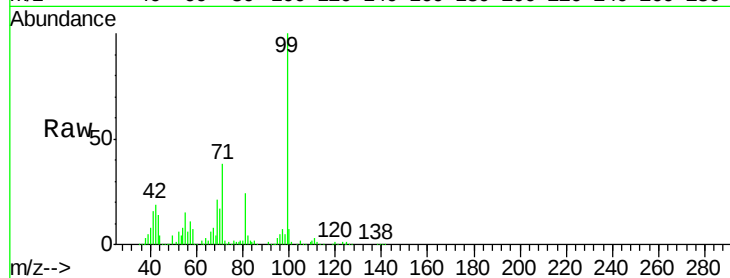
Tgt Ion: 99 Resp: 299548

Ion Ratio Lower Upper

99 100

42 19.4 12.2 18.2#

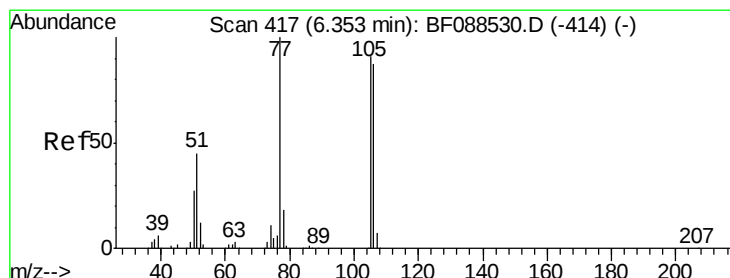
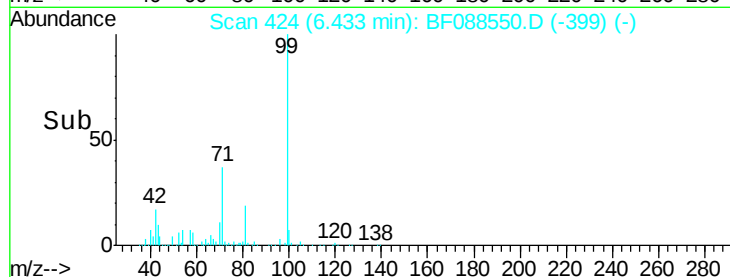
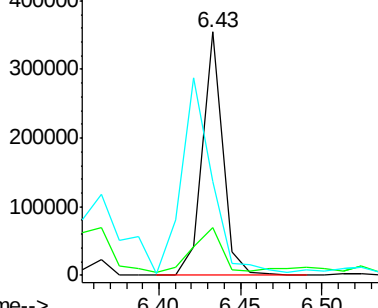
71 38.4 23.4 35.0#



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: 2.21 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

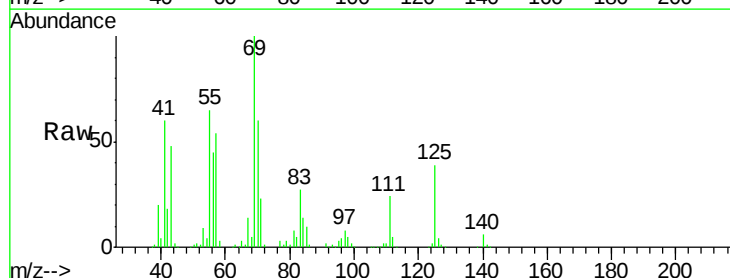
Tgt Ion: 77 Resp: 16389

Ion Ratio Lower Upper

77 100

105 11.9 90.6 130.6#

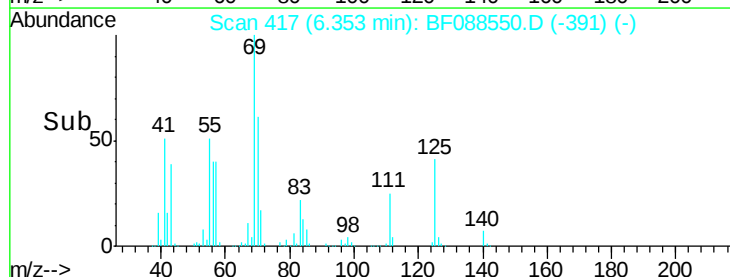
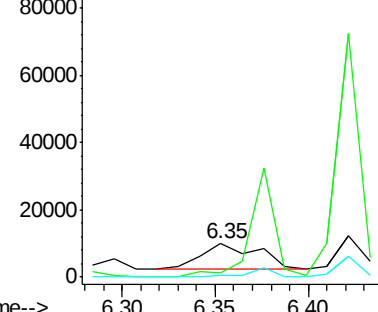
106 3.4 85.3 125.3#

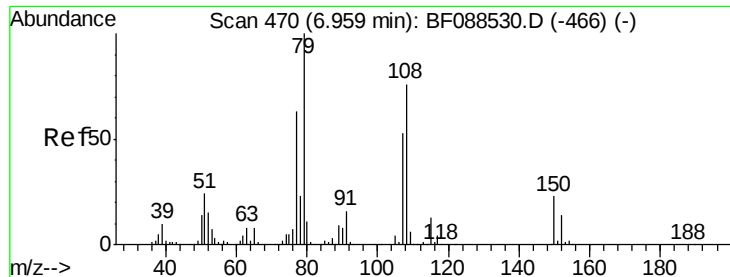


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.92 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.02 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

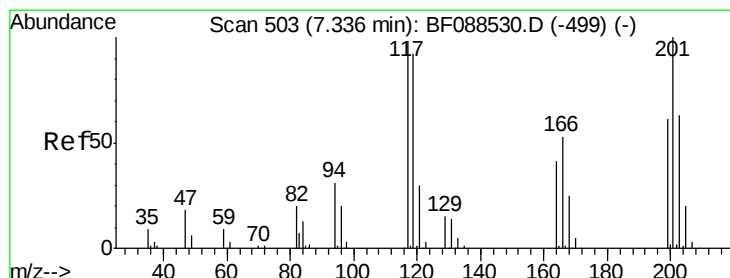
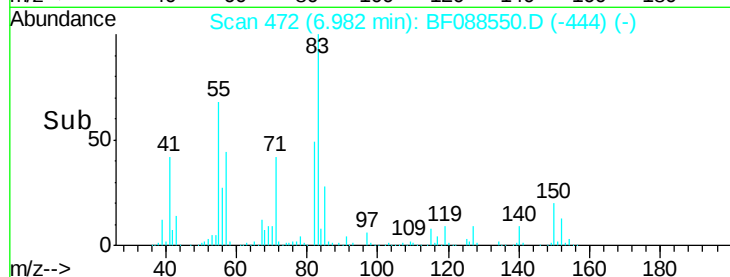
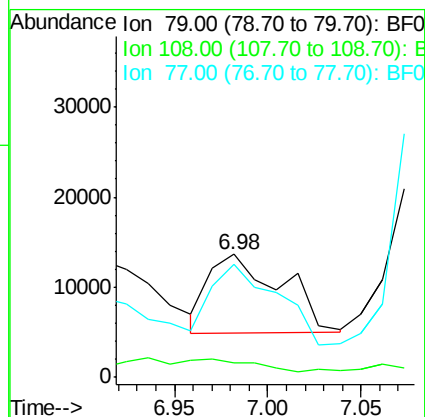
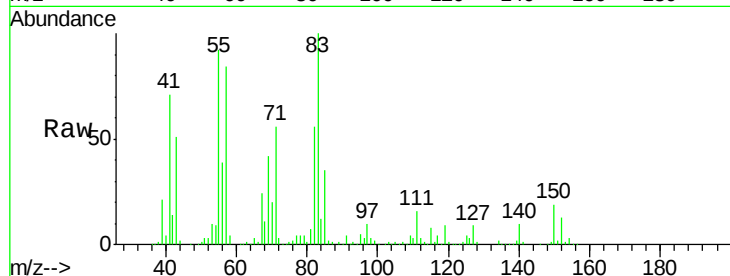
Tgt Ion: 79 Resp: 23497

Ion Ratio Lower Upper

79 100

108 11.9 65.0 97.6#

77 92.3 50.3 75.5#



#18

Hexachloroethane

Concen: 96.88 ng

RT: 7.39 min Scan# 508

Delta R.T. 0.06 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

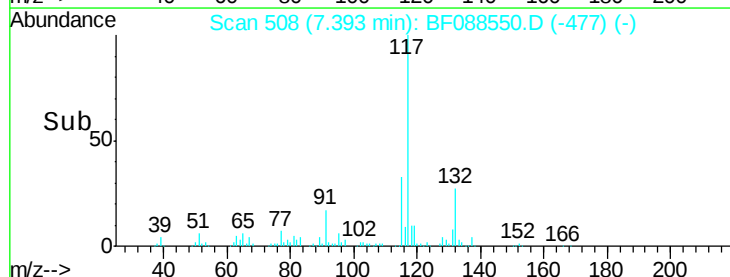
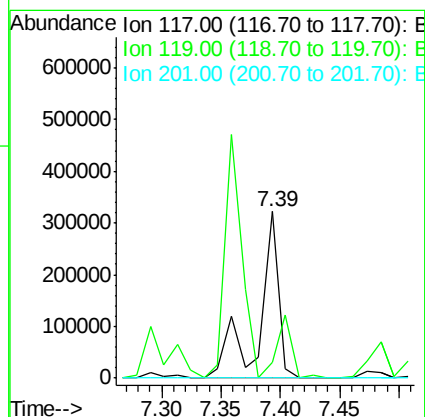
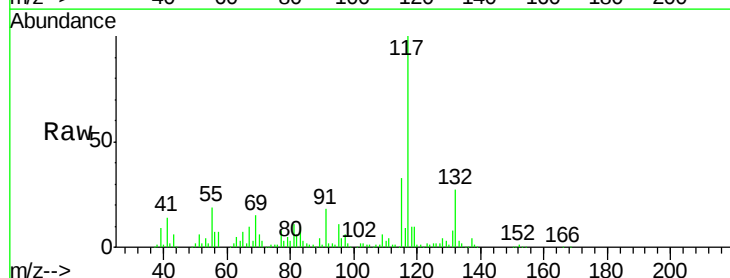
Tgt Ion: 117 Resp: 372539

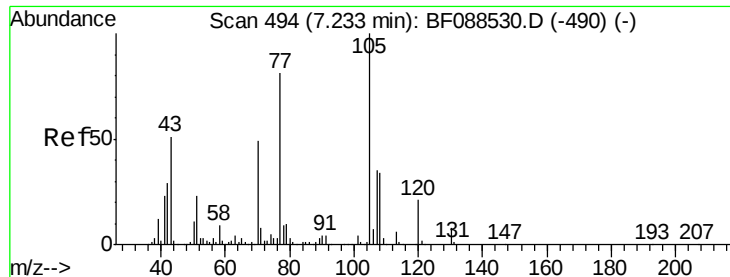
Ion Ratio Lower Upper

117 100

119 9.6 77.4 116.2#

201 0.0 80.4 120.6#

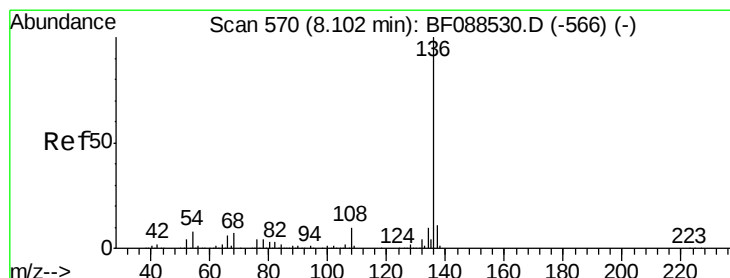
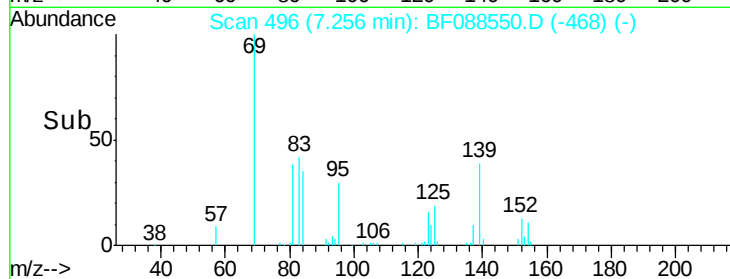
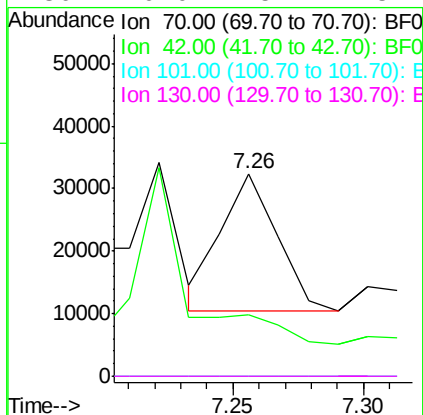
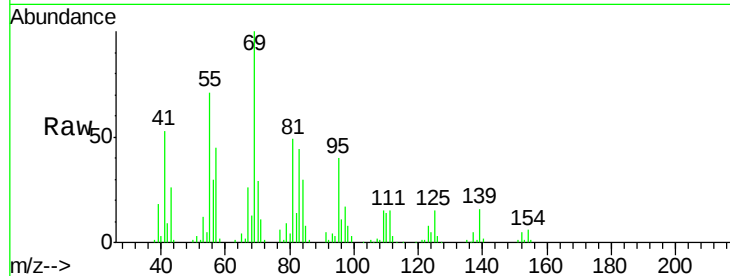




#19
n-Nitroso-di-n-propylamine
Concen: 4.43 ng
RT: 7.26 min Scan# 496
Delta R.T. 0.02 min
Lab File: BF088550.D
Acq: 1 Jul 2016 1:19

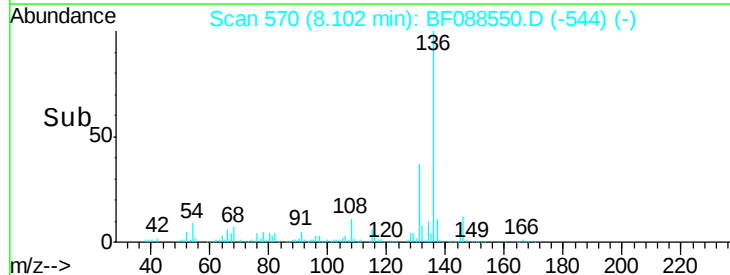
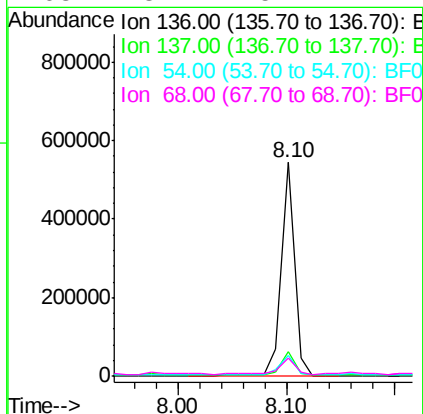
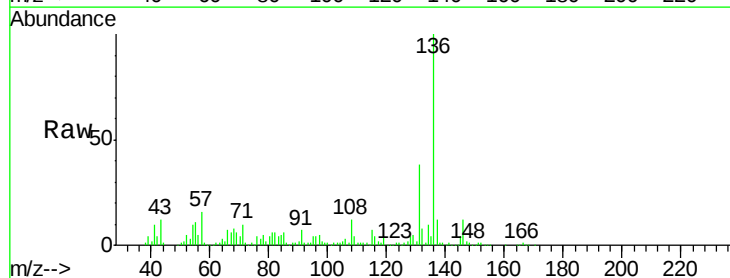
Instrument :
BNA_F
ClientSampleId :
B1409-TP01N-1224

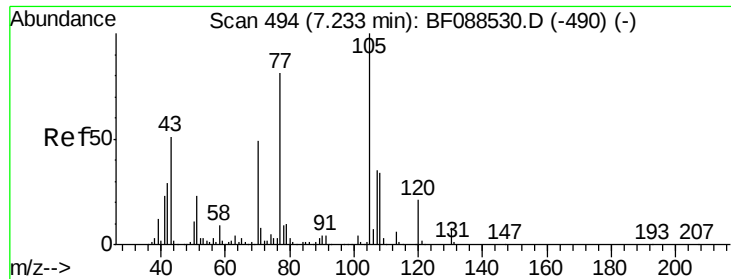
Tgt Ion: 70 Resp: 32569
Ion Ratio Lower Upper
70 100
42 30.6 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF088550.D
Acq: 1 Jul 2016 1:19

Tgt Ion: 136 Resp: 458461
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 9.6 6.6 10.0
68 8.4 5.1 7.7#





#22

Acetophenone

Concen: 5.23 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

Tgt Ion:105 Resp: 58151

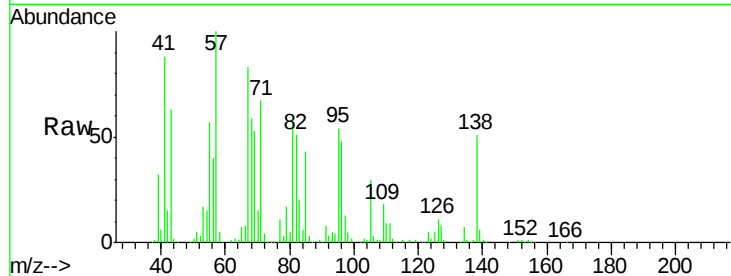
Ion Ratio Lower Upper

105 100

71 223.5 5.3 7.9#

51 17.3 18.2 27.4#

120 0.0 18.0 27.0#



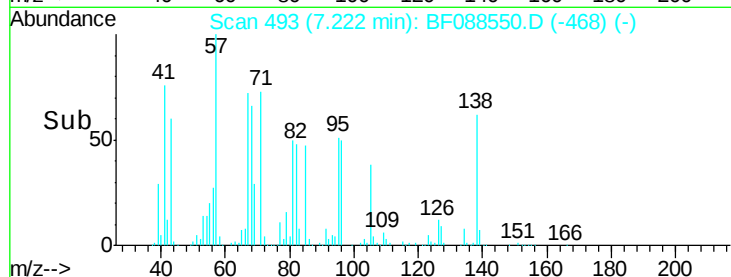
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

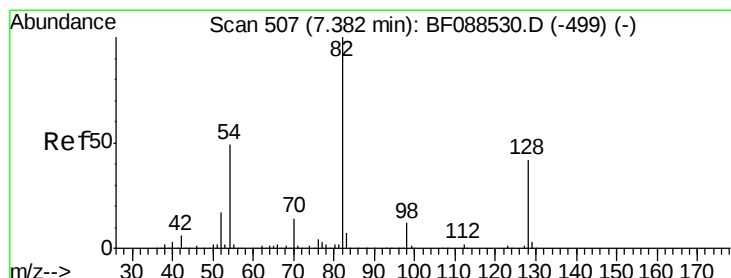
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 25.03 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.01 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

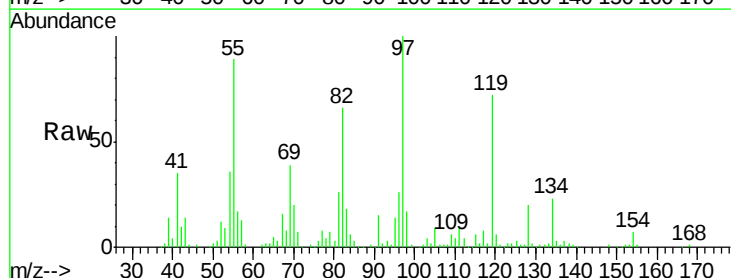
Tgt Ion: 82 Resp: 218946

Ion Ratio Lower Upper

82 100

128 30.8 35.9 53.9#

54 54.2 40.9 61.3

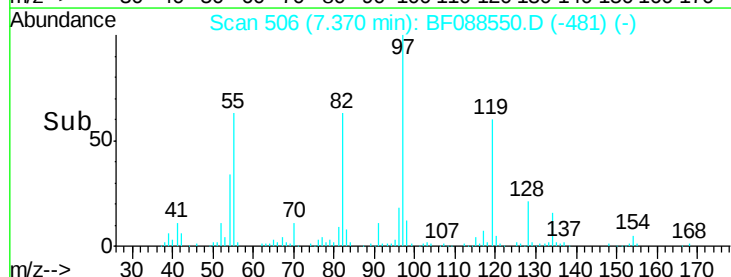


Abundance Ion 82.00 (81.70 to 82.70): BF0

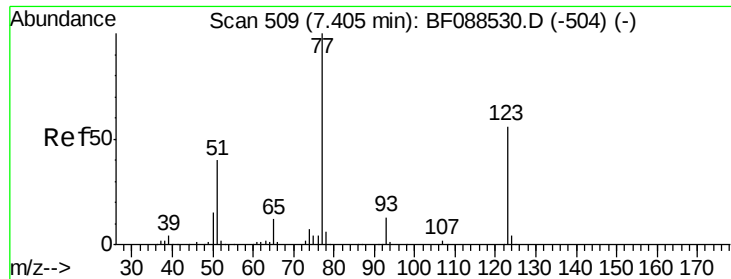
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



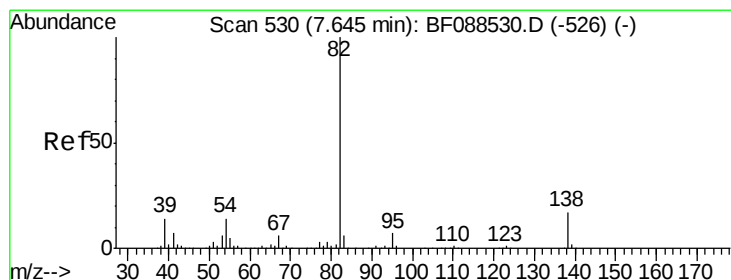
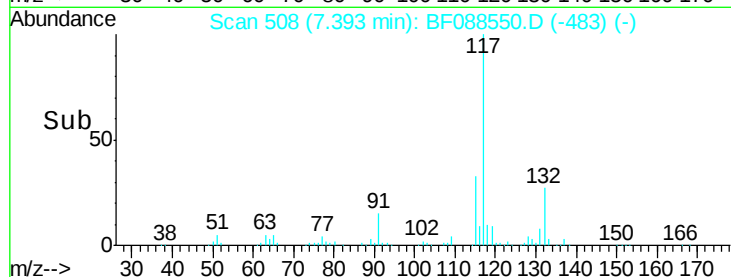
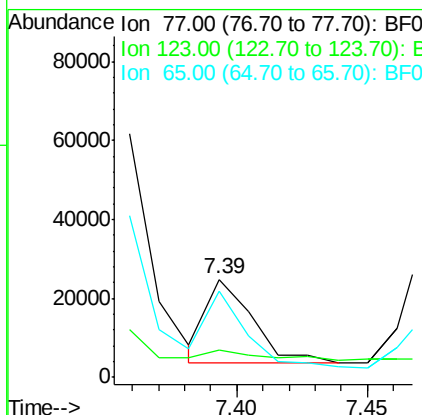
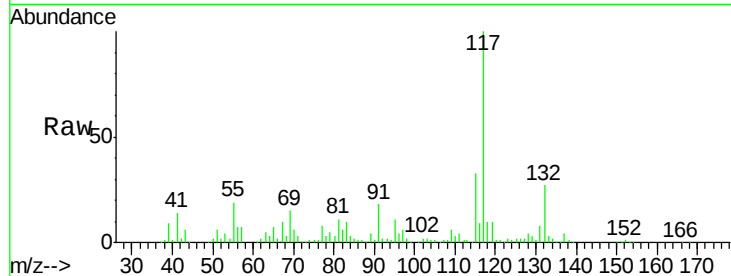
Time-->



#24
Nitrobenzene
Concen: 2.98 ng
RT: 7.39 min Scan# 508
Delta R.T. -0.01 min
Lab File: BF088550.D
Acq: 1 Jul 2016 1:19

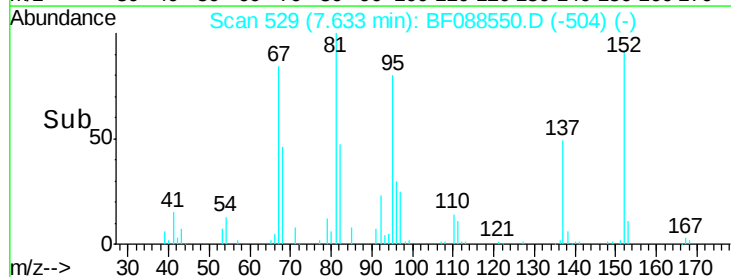
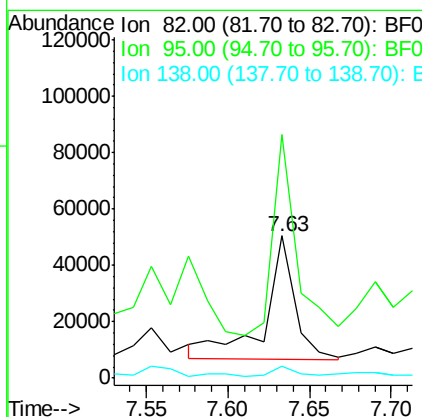
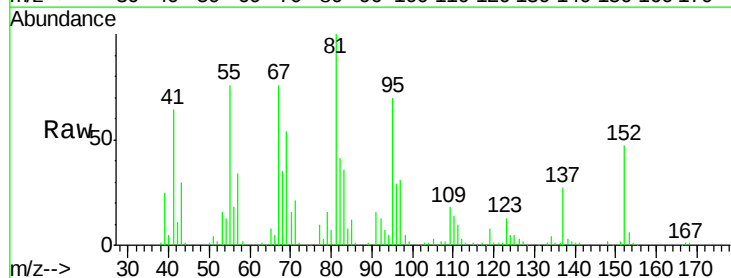
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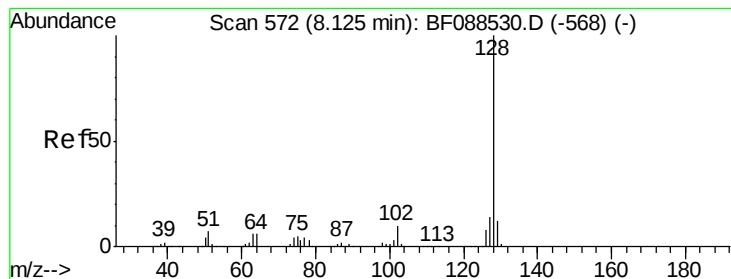
Tgt Ion: 77 Resp: 26324
Ion Ratio Lower Upper
77 100
123 27.9 45.0 67.4#
65 87.9 10.2 15.2#



#25
Isophorone
Concen: 3.45 ng
RT: 7.63 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF088550.D
Acq: 1 Jul 2016 1:19

Tgt Ion: 82 Resp: 55878
Ion Ratio Lower Upper
82 100
95 171.1 5.4 8.2#
138 8.2 14.6 21.8#





#31

Naphthalene

Concen: 8.30 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.00 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

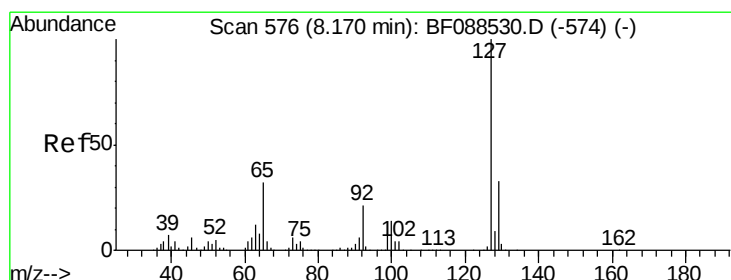
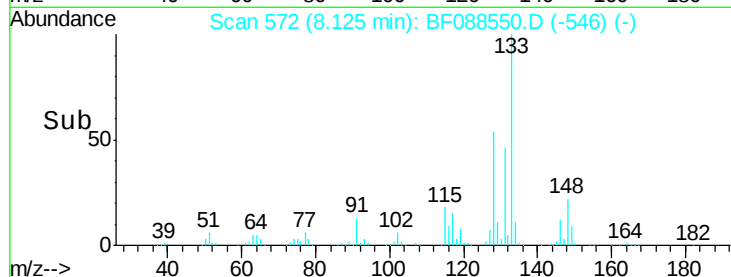
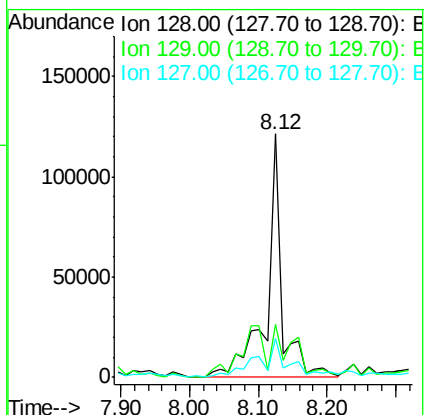
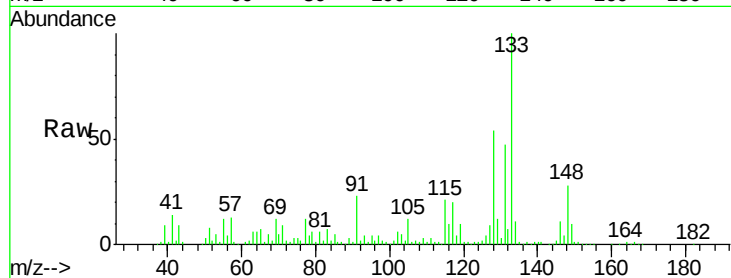
Tgt Ion:128 Resp: 187500

Ion Ratio Lower Upper

128 100

129 21.7 9.4 14.2#

127 16.0 10.9 16.3



#33

4-Chloroaniline

Concen: 2.65 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.05 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

Tgt Ion:127 Resp: 26645

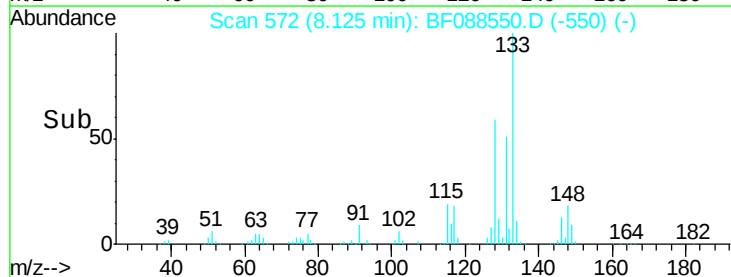
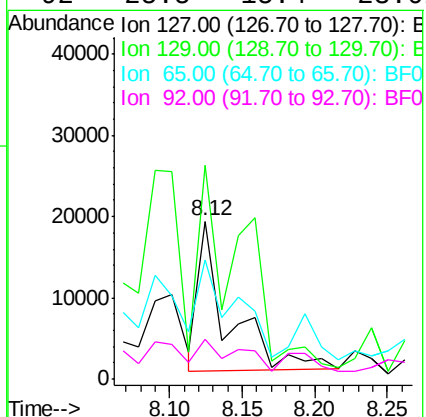
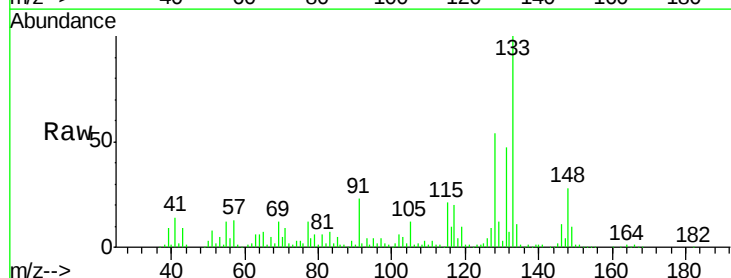
Ion Ratio Lower Upper

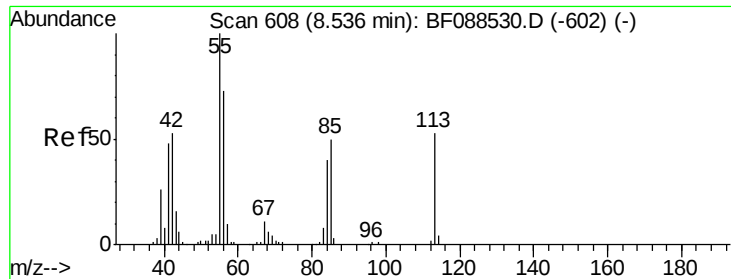
127 100

129 135.5 26.3 39.5#

65 75.4 24.7 37.1#

92 25.5 15.4 23.0#





#35

Caprolactam

Concen: 14.04 ng

RT: 8.54 min Scan# 608

Delta R.T. -0.01 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

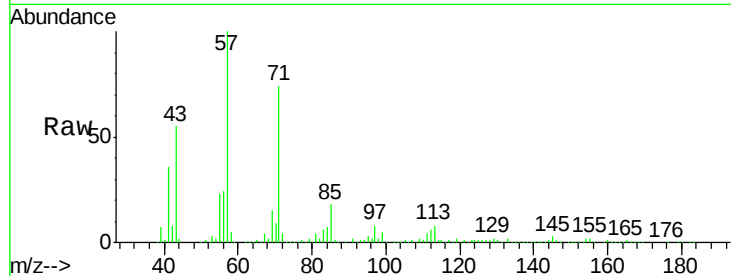
Tgt Ion:113 Resp: 29030

Ion Ratio Lower Upper

113 100

55 282.5 158.6 198.6#

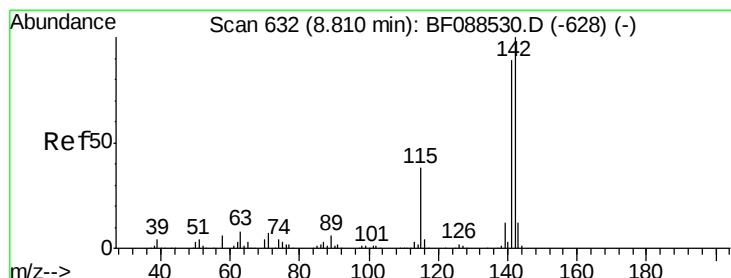
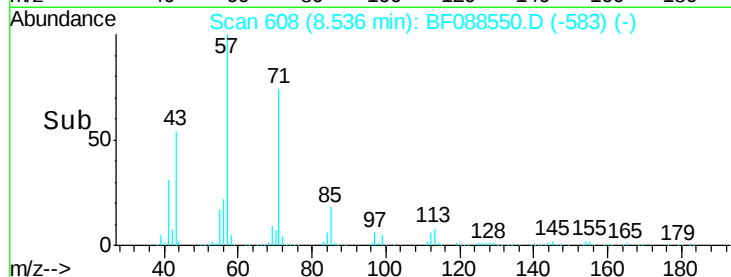
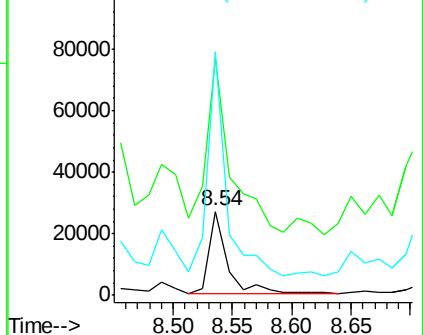
56 289.9 110.6 150.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 18.55 ng

RT: 8.81 min Scan# 632

Delta R.T. -0.00 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

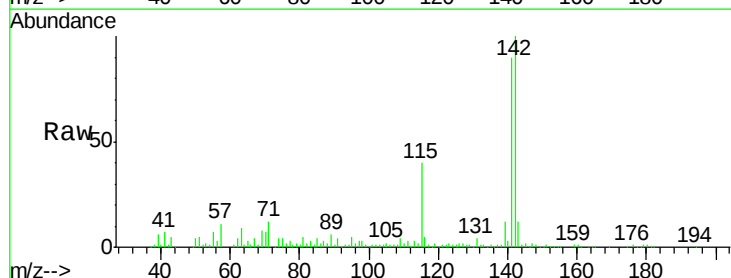
Tgt Ion:142 Resp: 269894

Ion Ratio Lower Upper

142 100

141 89.6 71.0 106.6

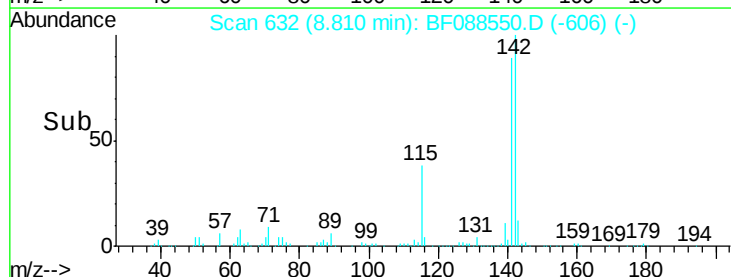
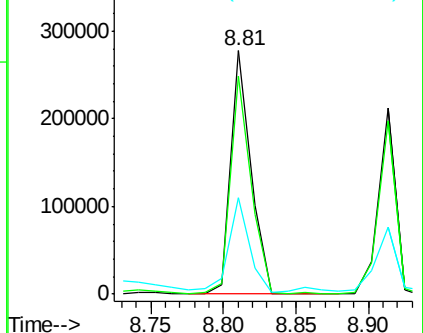
115 39.7 22.6 33.8#

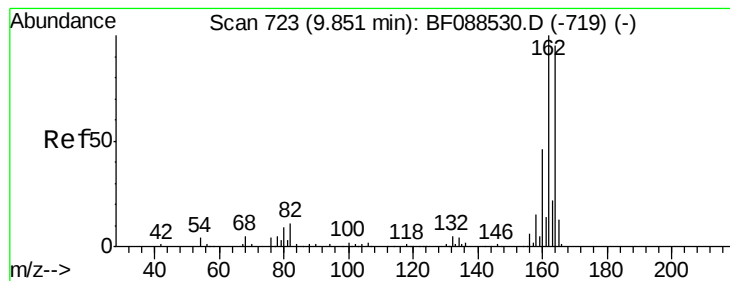


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.85 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

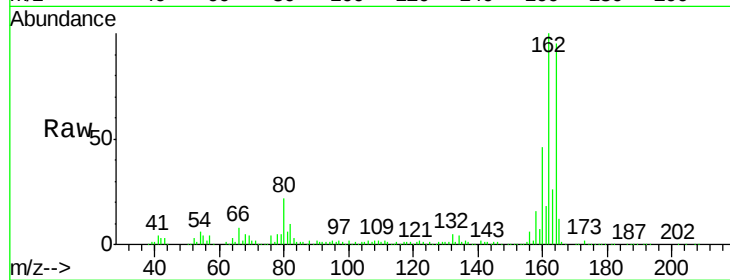
Tgt Ion:164 Resp: 223196

Ion Ratio Lower Upper

164 100

162 105.6 85.4 128.2

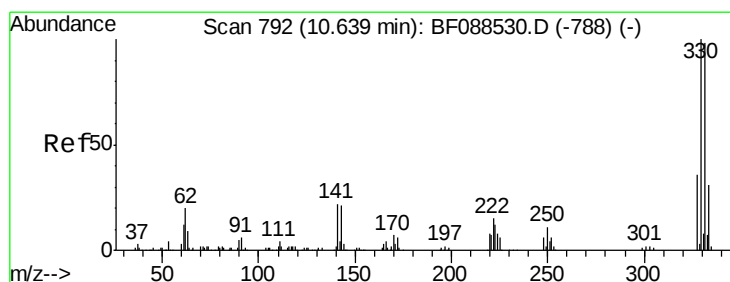
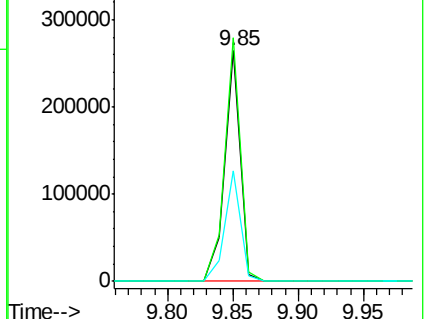
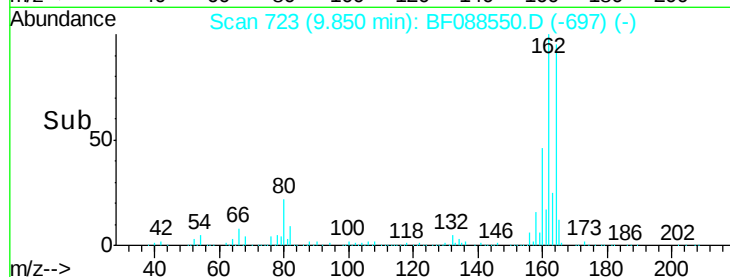
160 48.1 39.5 59.3



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: 20.13 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

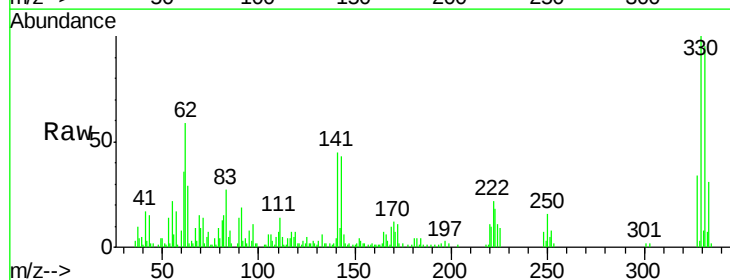
Tgt Ion:330 Resp: 41718

Ion Ratio Lower Upper

330 100

332 96.2 0.0 0.0#

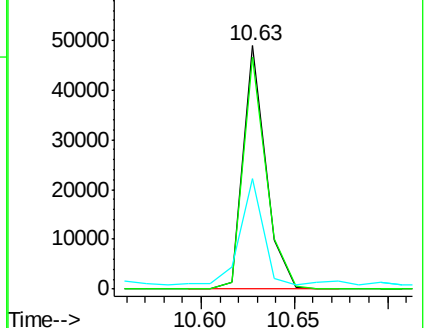
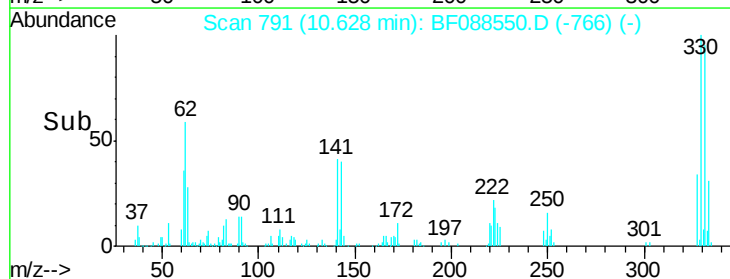
141 45.0 0.0 0.0#

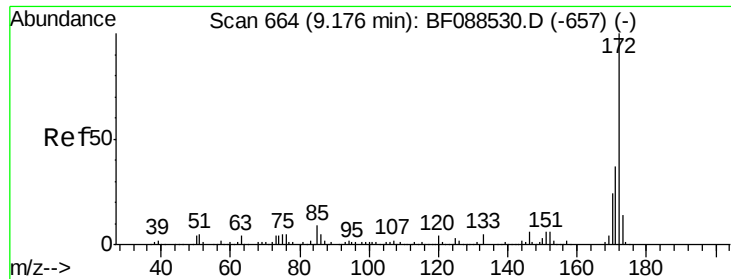


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

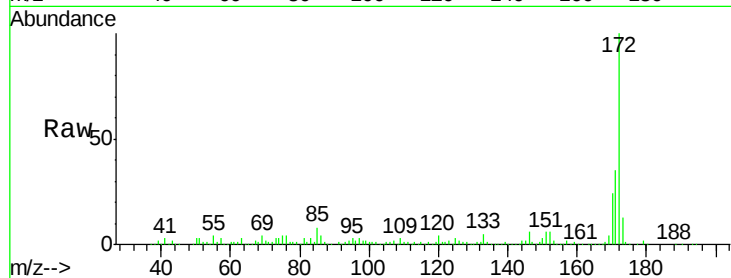




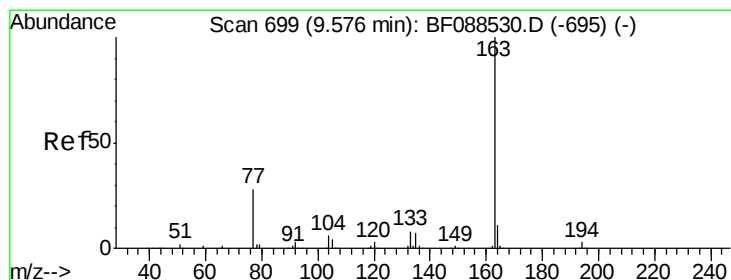
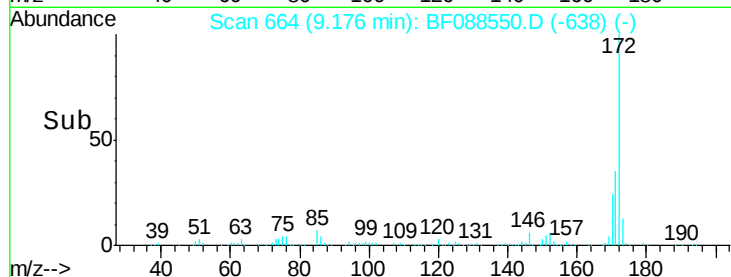
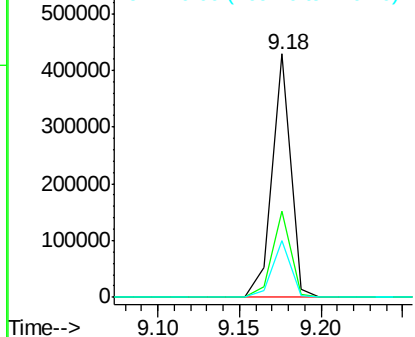
#44
2-Fluorobiphenyl
Concen: 24.16 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.00 min
Lab File: BF088550.D
Acq: 1 Jul 2016 1:19

Instrument :
BNA_F
ClientSampleId :
B1409-TP01N-1224

Tgt Ion:172 Resp: 341397
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.5 19.2 28.8

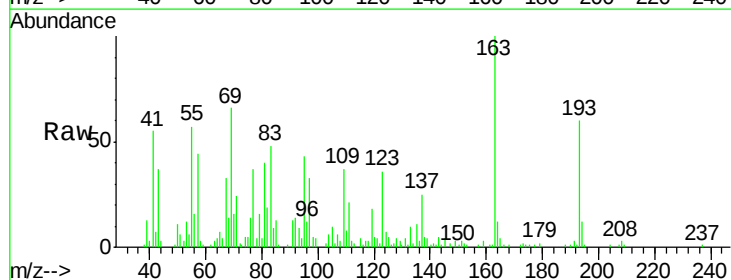


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

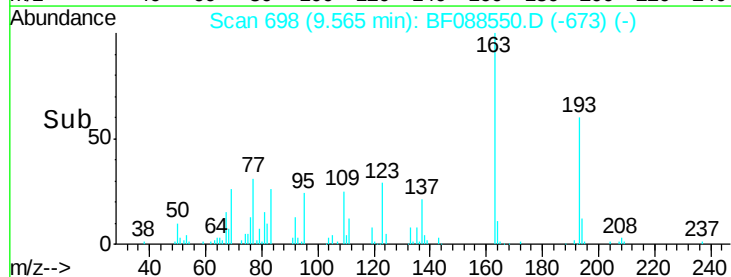
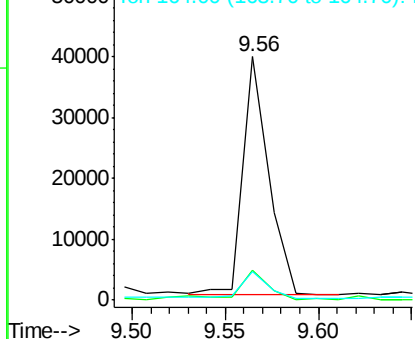


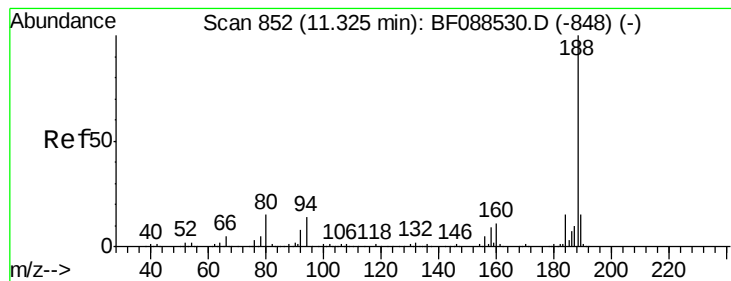
#49
Dimethylphthalate
Concen: 2.36 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF088550.D
Acq: 1 Jul 2016 1:19

Tgt Ion:163 Resp: 37571
Ion Ratio Lower Upper
163 100
194 12.4 2.8 4.2#
164 11.7 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

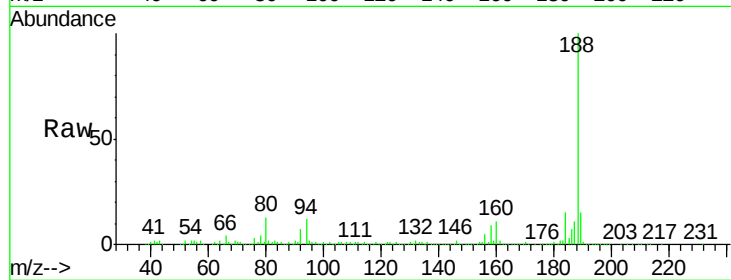
Tgt Ion:188 Resp: 328438

Ion Ratio Lower Upper

188 100

94 11.9 9.0 13.6

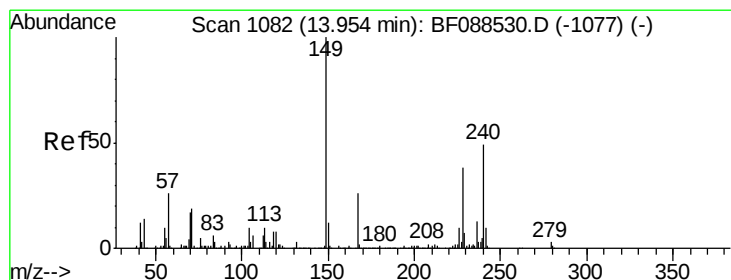
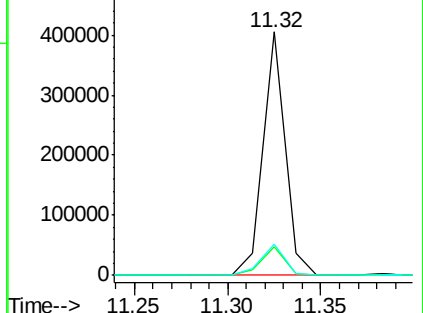
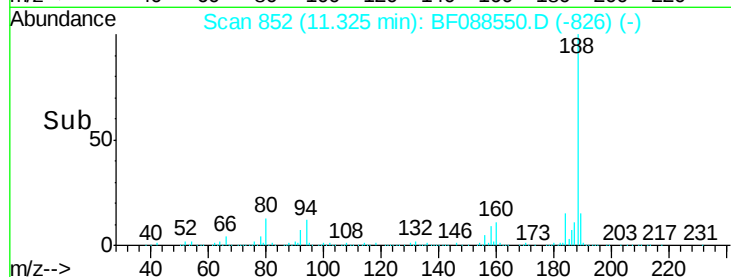
80 12.9 10.0 15.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

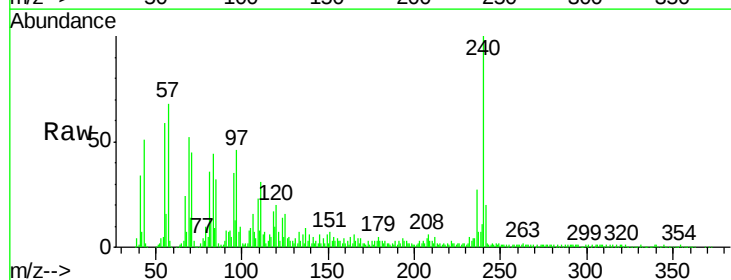
Tgt Ion:240 Resp: 205205

Ion Ratio Lower Upper

240 100

120 20.4 6.8 10.2#

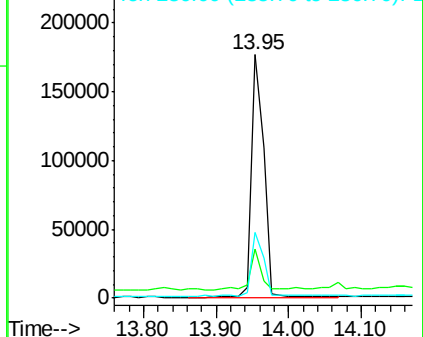
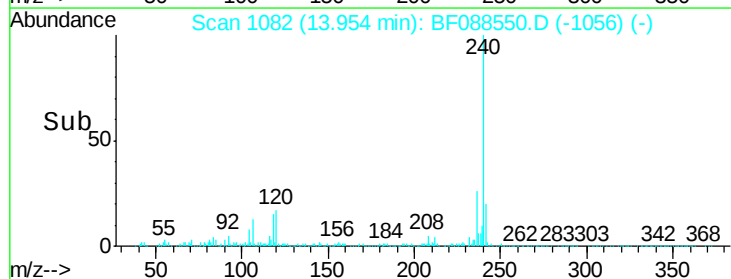
236 27.2 20.2 30.2

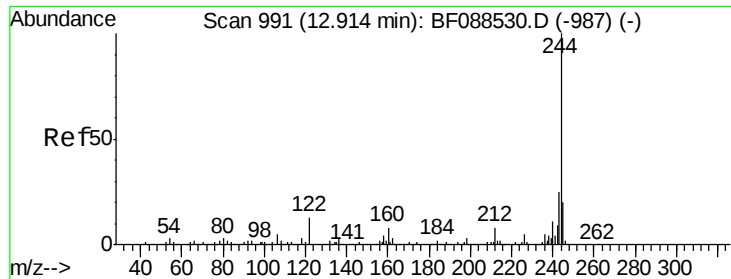


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 19.14 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.00 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

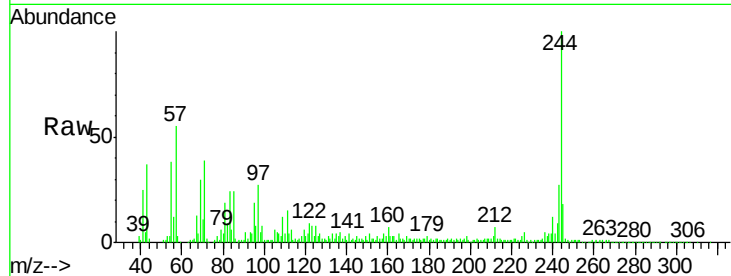
Tgt Ion:244 Resp: 176372

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

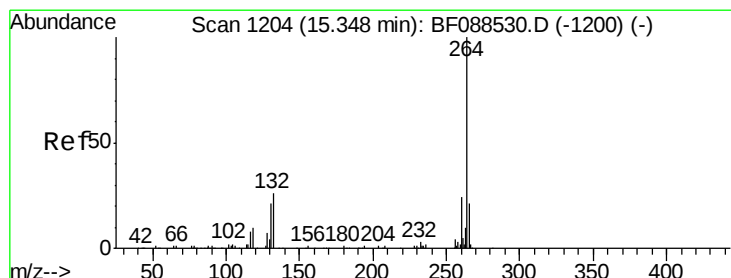
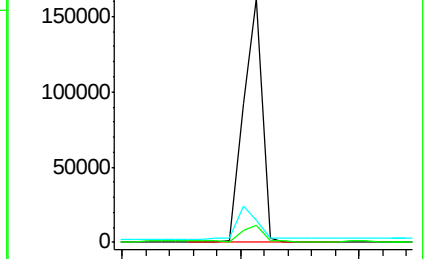
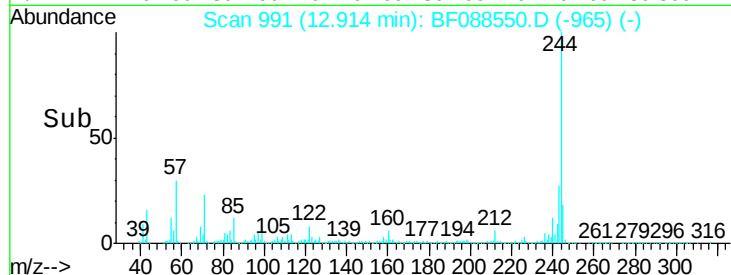
122 9.2 11.2 16.8#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1206

Delta R.T. 0.02 min

Lab File: BF088550.D

Acq: 1 Jul 2016 1:19

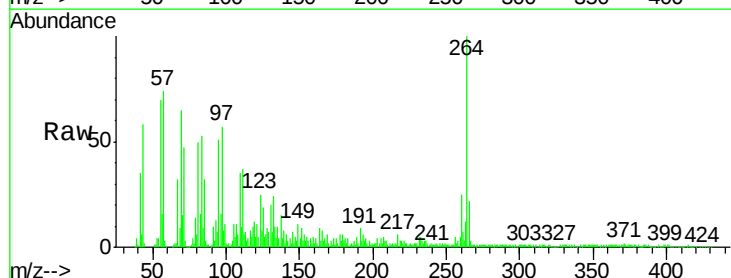
Tgt Ion:264 Resp: 224594

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

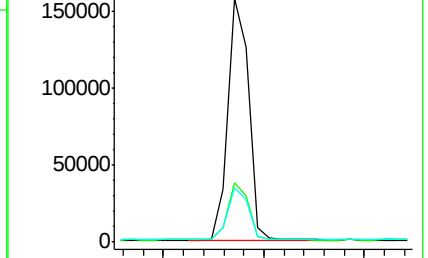
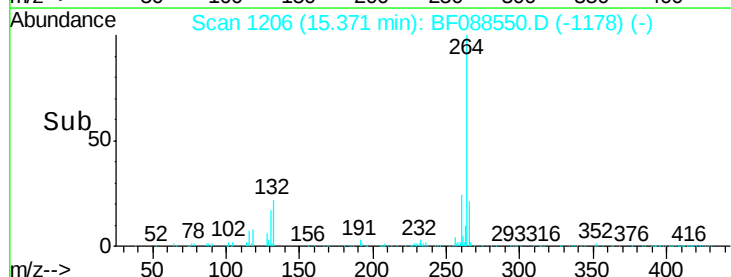
265 22.1 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224