

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060116\
 Data File : BF087644.D
 Acq On : 2 Jun 2016 12:57
 Operator : UM/SJ
 Sample : H3341-02DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2DL

Quant Time: Jun 02 14:47:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

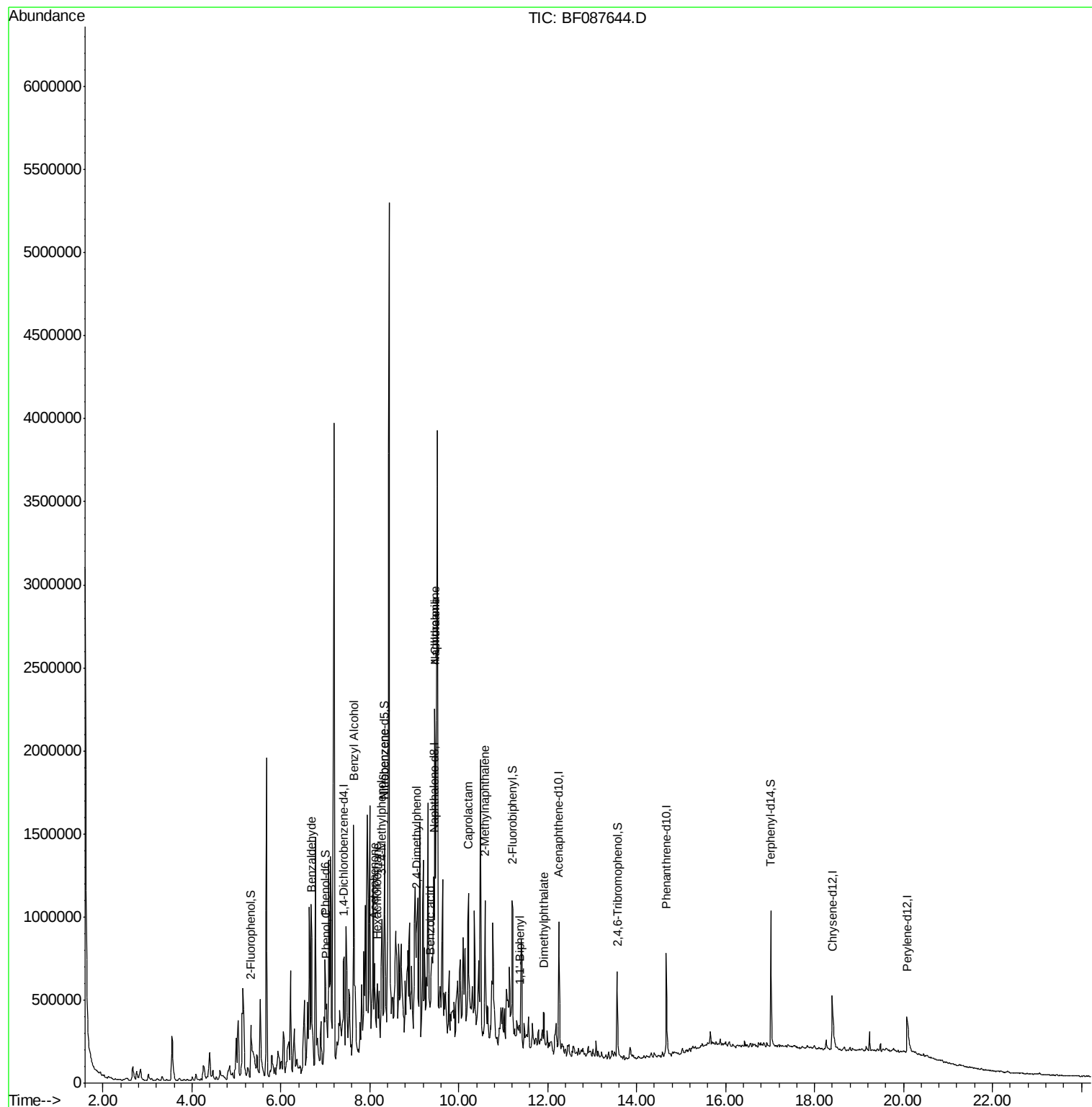
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	90165	20.00	ng	-0.11
21) Naphthalene-d8	9.44	136	373908	20.00	ng	-0.11
38) Acenaphthene-d10	12.25	164	182659	20.00	ng	-0.14
63) Phenanthrene-d10	14.66	188	344721	20.00	ng	-0.11
75) Chrysene-d12	18.40	240	221924	20.00	ng	-0.08
86) Perylene-d12	20.08	264	209124	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	271383	52.89	ng	-0.09
7) Phenol-d6	6.99	99	381460	55.02	ng	-0.08
23) Nitrobenzene-d5	8.33	82	246047	33.16	ng	-0.11
41) 2,4,6-Tribromophenol	13.57	330	82281	46.88	ng	-0.11
44) 2-Fluorobiphenyl	11.21	172	365564	28.21	ng	-0.13
78) Terphenyl-d14	17.02	244	306323	29.35	ng	-0.11
Target Compounds						Qvalue
9) Benzaldehyde	6.70	77	11204	2.93	ng	# 1
10) Phenol	7.03	94	45545	6.02	ng	# 31
15) Benzyl Alcohol	7.63	79	10135	2.00	ng	# 44
18) Hexachloroethane	8.17	117	12736	4.76	ng	# 1
20) 3+4-Methylphenols	8.27	107	37381	6.03	ng	# 39
22) Acetophenone	8.10	105	223396	25.01	ng	# 96
24) Nitrobenzene	8.33	77	16170	2.06	ng	# 38
27) 2,4-Dimethylphenol	9.05	122	40590	7.30	ng	# 73
31) Naphthalene	9.46	128	844405	45.07	ng	# 99
32) Benzoic acid	9.37	122	14084	10.15	ng	# 25
33) 4-Chloroaniline	9.46	127	128350	18.60	ng	# 38
35) Caprolactam	10.22	113	19928	13.63	ng	# 1
37) 2-Methylnaphthalene	10.59	142	273793	23.39	ng	# 95
45) 1,1'-Biphenyl	11.37	154	39020	2.54	ng	# 99
49) Dimethylphthalate	11.92	163	37328	2.55	ng	# 79

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

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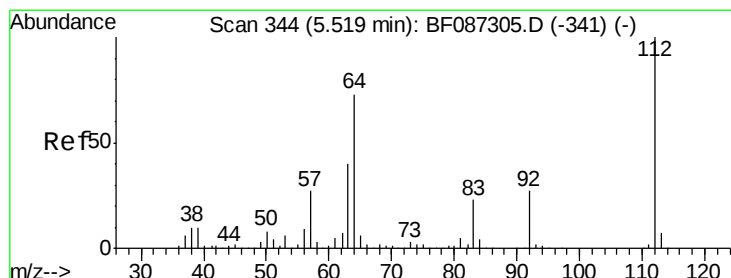
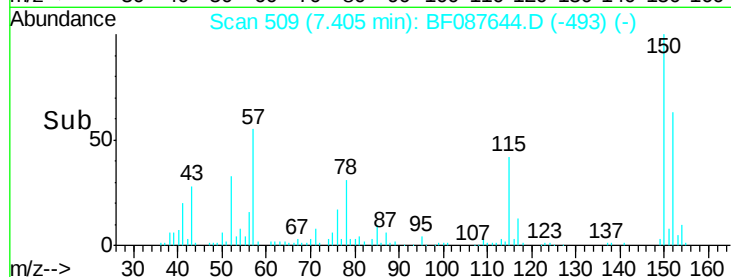
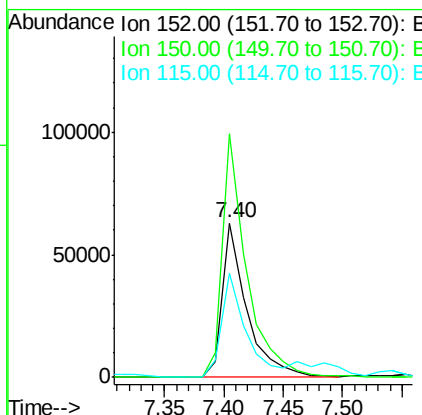
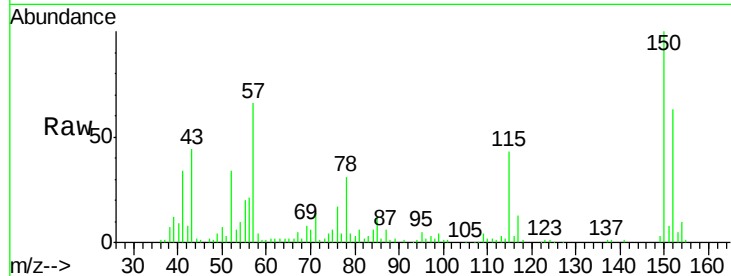


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.11 min
Lab File: BF087644.D
Acq: 2 Jun 2016 12:57

Instrument :
BNA_F
ClientSampleId :
B-2DL

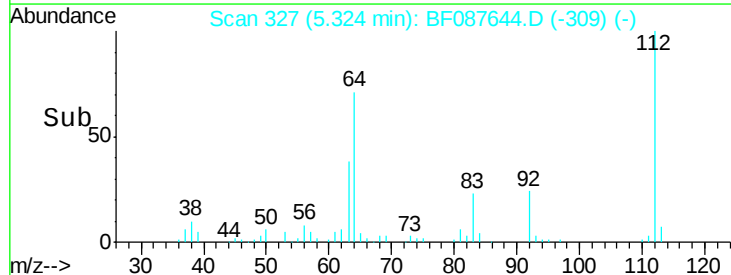
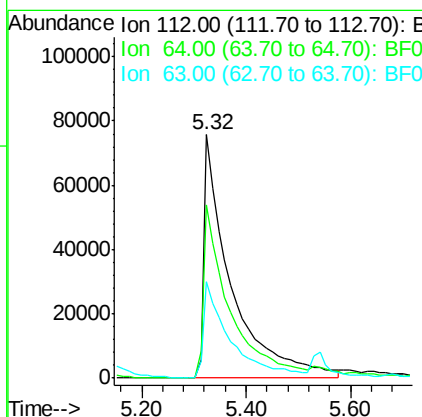
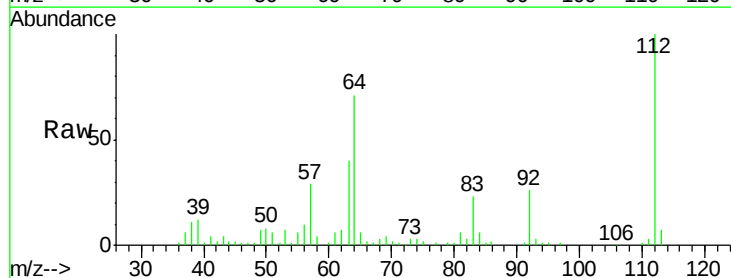
Tot Ion:152 Resp: 90165
Ion Ratio Lower Upper
152 100
150 158.0 125.8 188.6
115 67.5 51.5 77.3

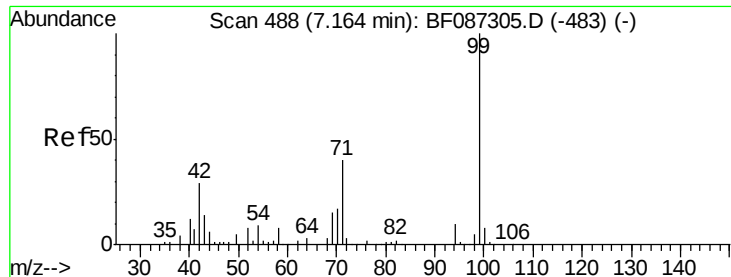


#5

2-Fluorophenol
Concen: 52.89 ng
RT: 5.32 min Scan# 327
Delta R.T. -0.09 min
Lab File: BF087644.D
Acq: 2 Jun 2016 12:57

Tgt Ion:112 Resp: 271383
Ion Ratio Lower Upper
112 100
64 71.1 52.1 78.1
63 39.9 25.7 38.5#





#7

Phenol-d6

Concen: 55.02 ng

RT: 6.99 min Scan# 473

Delta R.T. -0.08 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Instrument :

BNA_F

ClientSampled :

B-2DL

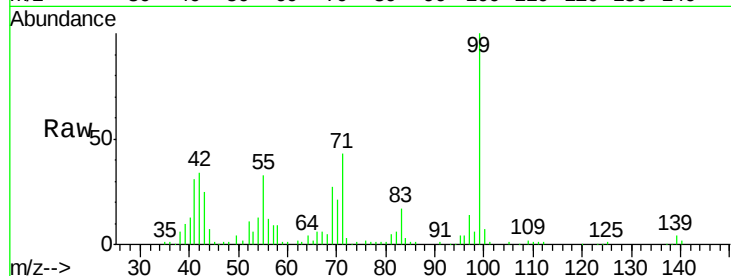
Tot Ion: 99 Resp: 381460

Ion Ratio Lower Upper

99 100

42 33.5 13.6 20.4#

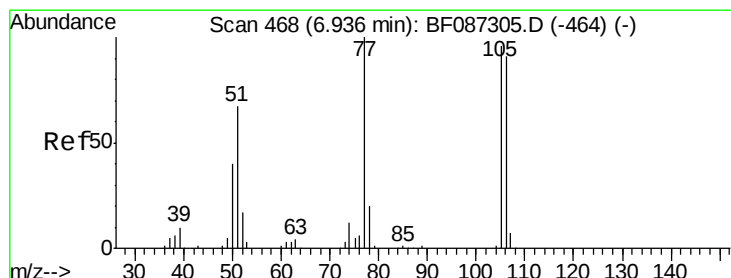
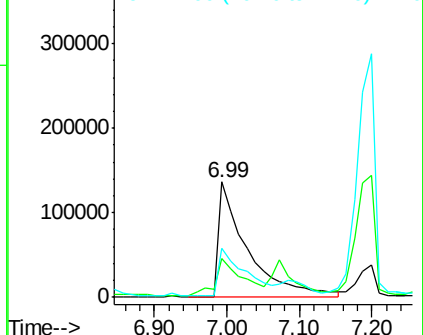
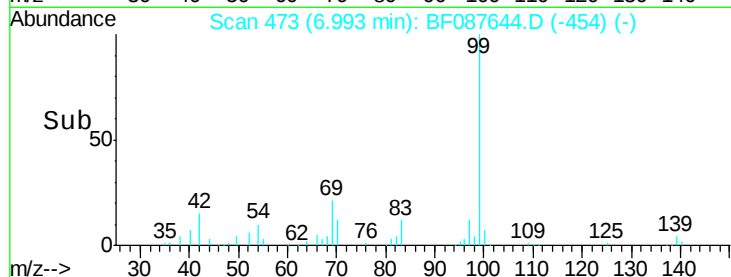
71 43.0 24.6 36.8#



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: 2.93 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.14 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

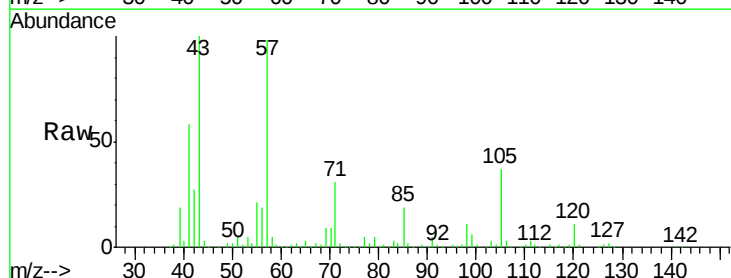
Tgt Ion: 77 Resp: 11204

Ion Ratio Lower Upper

77 100

105 694.9 72.7 112.7#

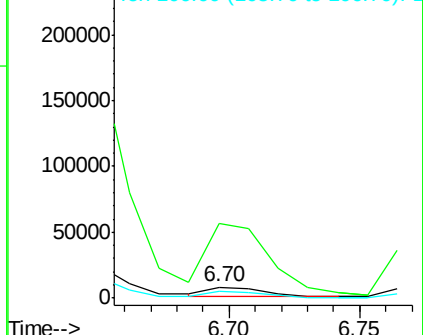
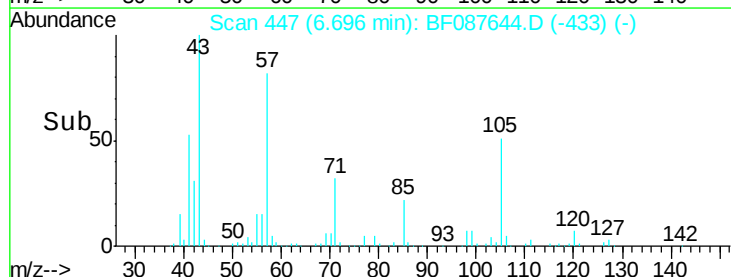
106 61.1 70.8 110.8#

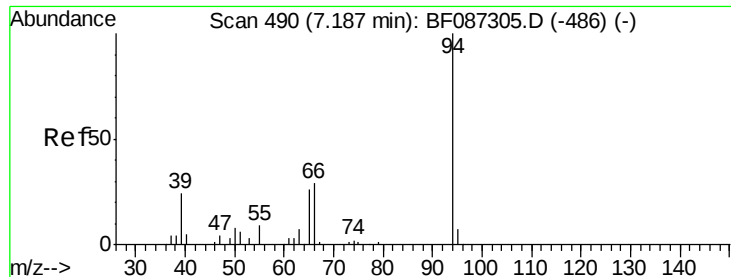


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 6.02 ng

RT: 7.03 min Scan# 476

Delta R.T. -0.06 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Instrument :

BNA_F

ClientSampleId :

B-2DL

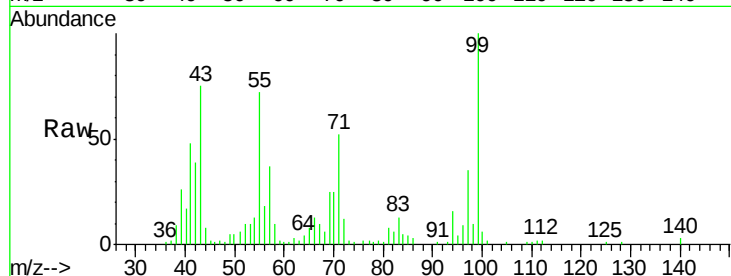
Tot Ion: 94 Resp: 45545

Ion Ratio Lower Upper

94 100

65 50.0 7.2 47.2#

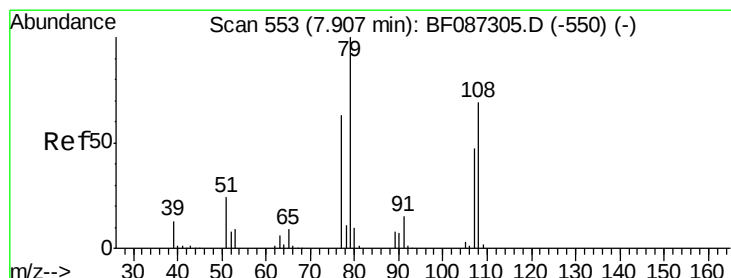
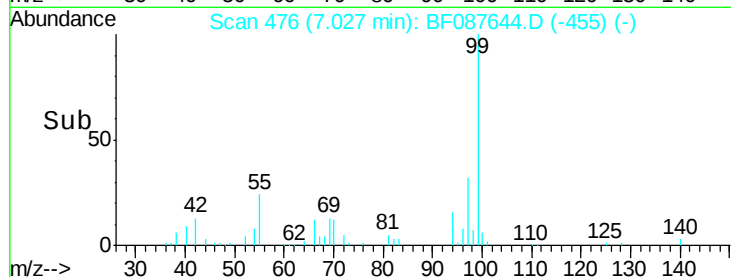
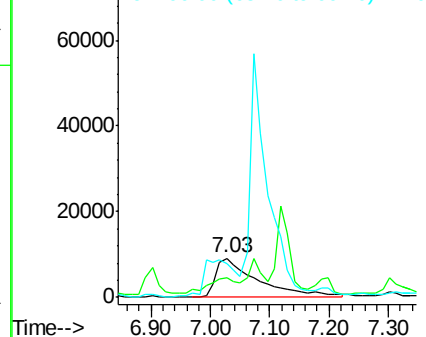
66 85.9 14.9 54.9#



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



#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.18 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

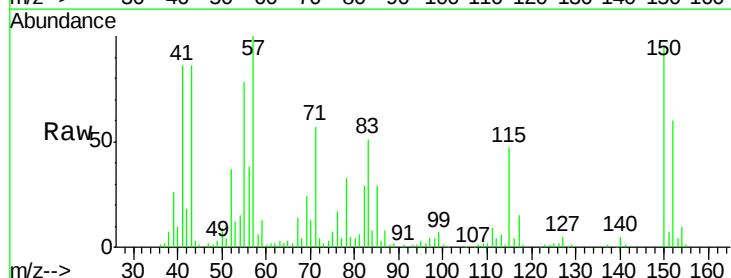
Tgt Ion: 79 Resp: 10135

Ion Ratio Lower Upper

79 100

108 17.9 68.4 102.6#

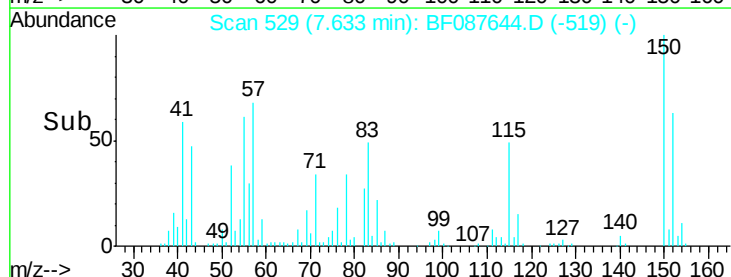
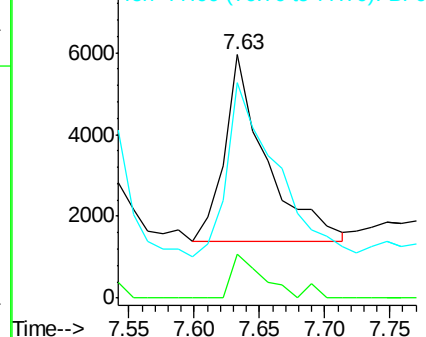
77 88.4 50.6 76.0#

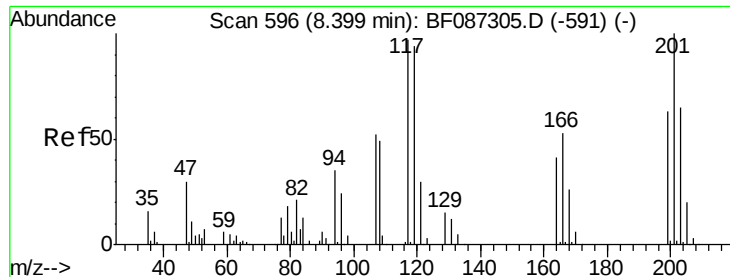


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

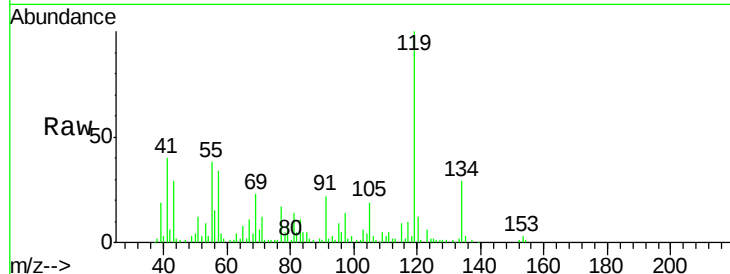




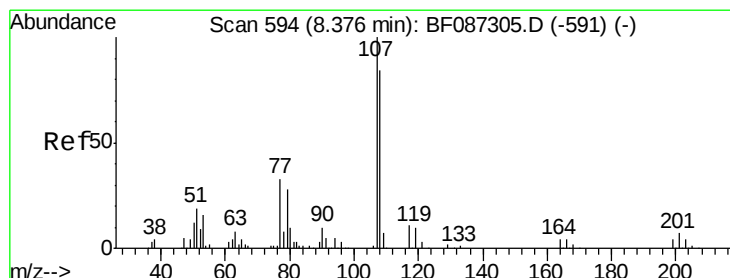
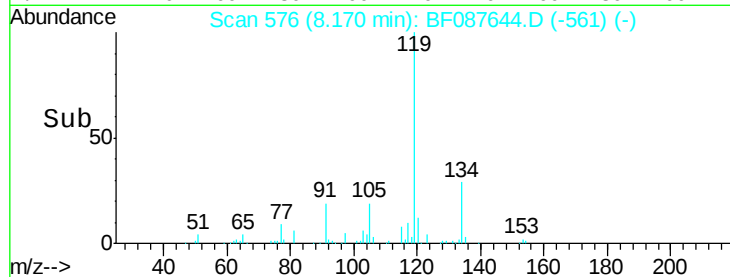
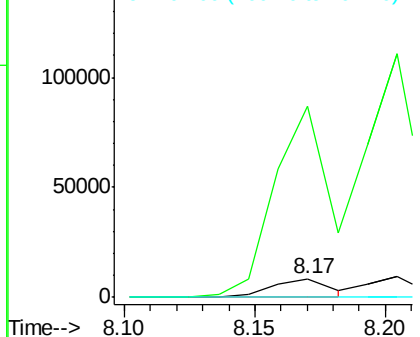
#18
Hexachloroethane
Concen: 4.76 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.13 min
Lab File: BF087644.D
Acq: 2 Jun 2016 12:57

Instrument :
BNA_F
ClientSampleID :
B-2DL

Tot Ion:117 Resp: 12736
Ion Ratio Lower Upper
117 100
119 1045.5 76.5 114.7#
201 0.0 63.0 94.6#

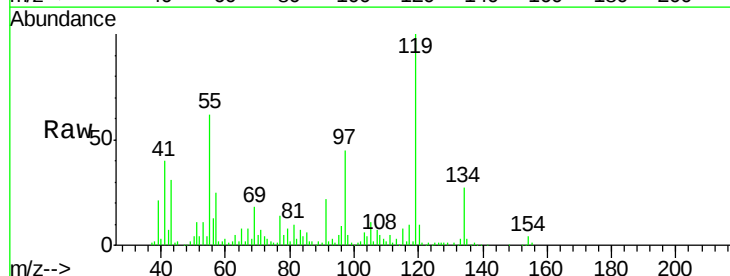


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

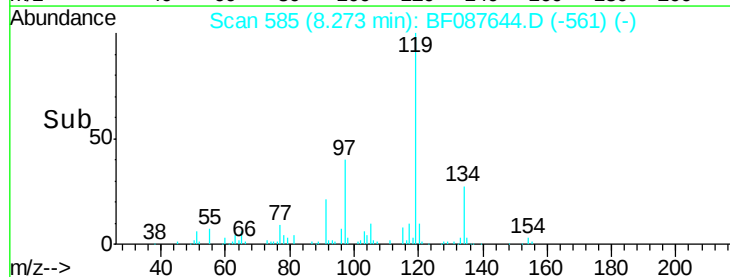
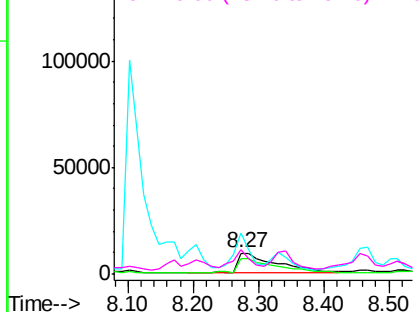


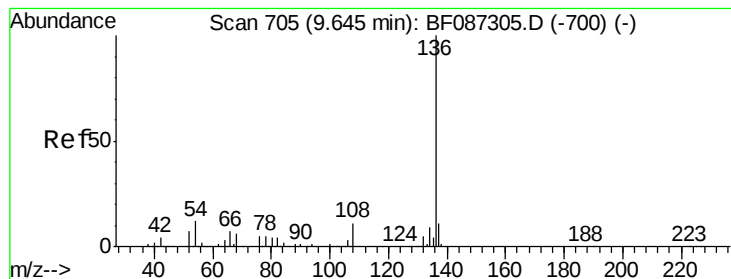
#20
3+4-Methylphenols
Concen: 6.03 ng
RT: 8.27 min Scan# 585
Delta R.T. -0.02 min
Lab File: BF087644.D
Acq: 2 Jun 2016 12:57

Tgt Ion:107 Resp: 37381
Ion Ratio Lower Upper
107 100
108 75.2 68.5 108.5
77 198.5 101.6 141.6#
79 118.7 7.4 47.4#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.11 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Instrument :

BNA_F

ClientSampleId :

B-2DL

Tot Ion:136 Resp: 373908

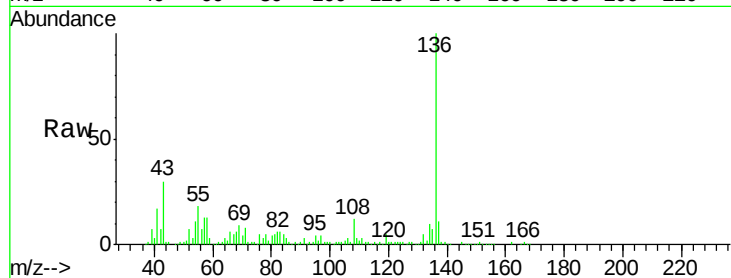
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 11.1 5.0 7.4#

68 5.7 4.4 6.6

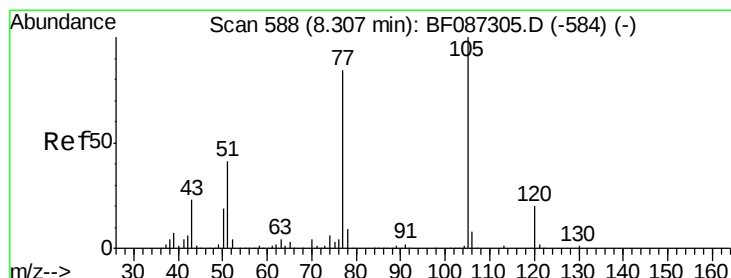
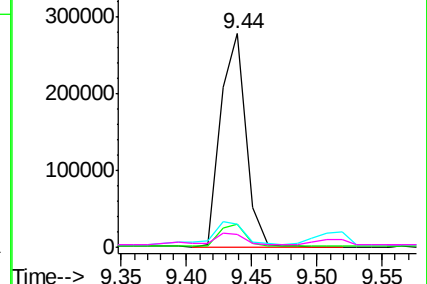
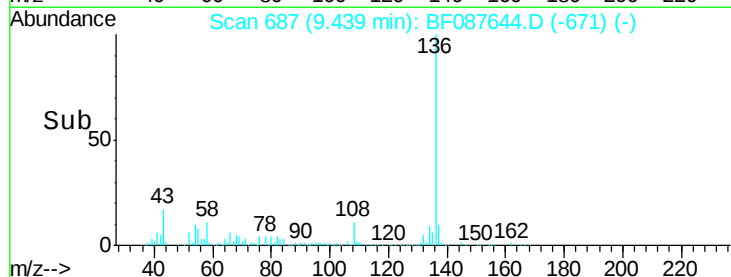


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.01 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.11 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Tgt Ion:105 Resp: 223396

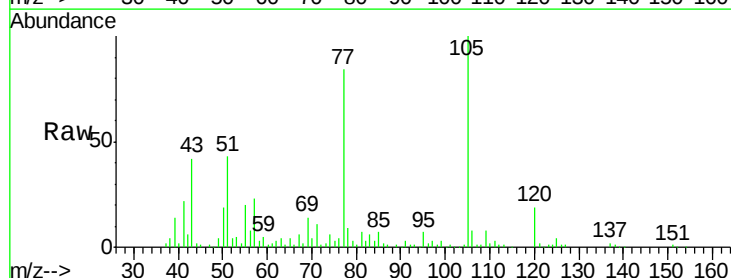
Ion Ratio Lower Upper

105 100

71 10.9 4.8 7.2#

51 42.8 32.6 49.0

120 19.0 16.5 24.7

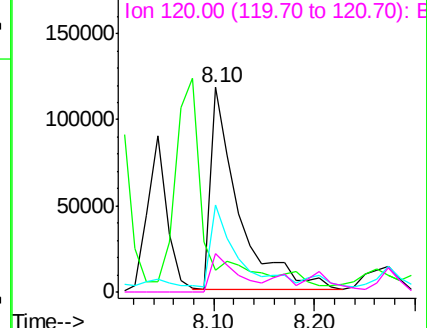
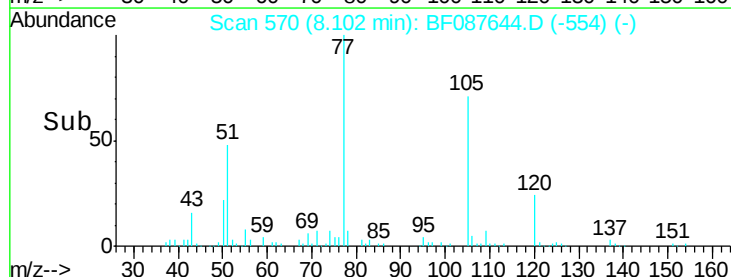


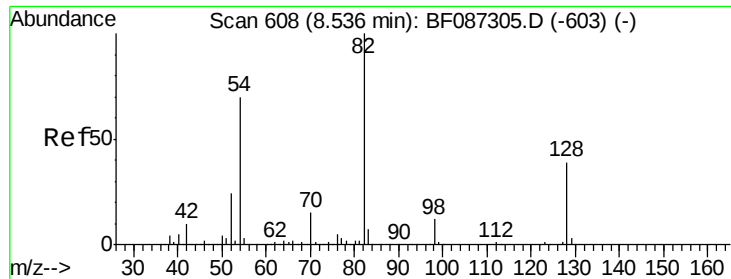
Abundance Ion 105.00 (104.70 to 105.70): E

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

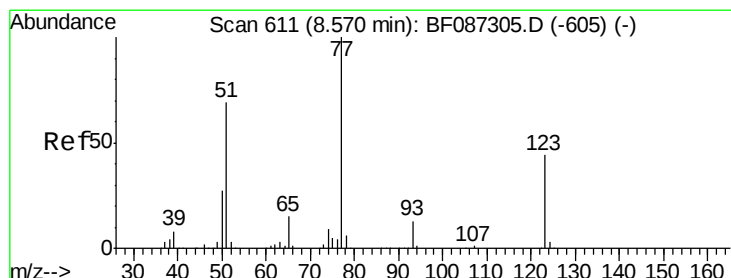
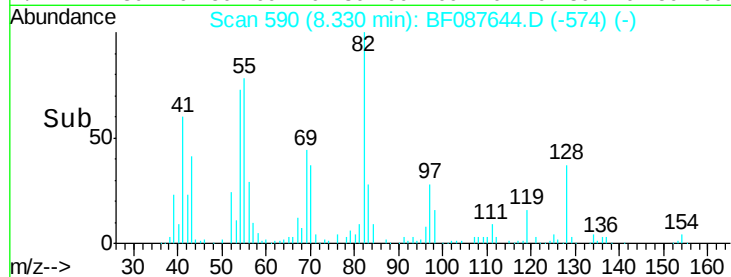
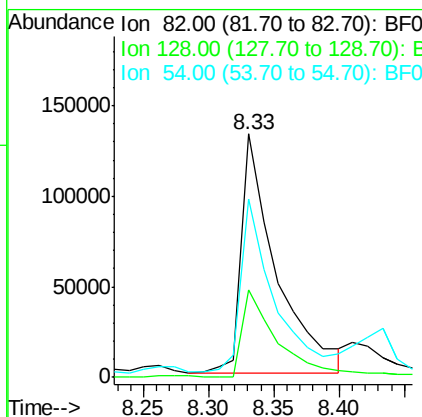
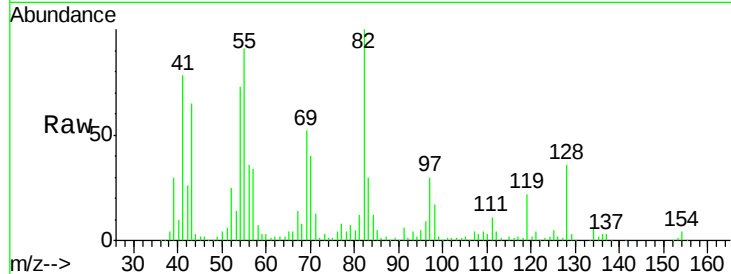




#23
Nitrobenzene-d5
Concen: 33.16 ng
RT: 8.33 min Scan# 590
Delta R.T. -0.11 min
Lab File: BF087644.D
Acq: 2 Jun 2016 12:57

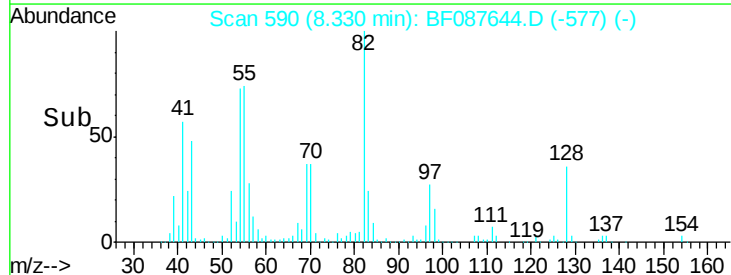
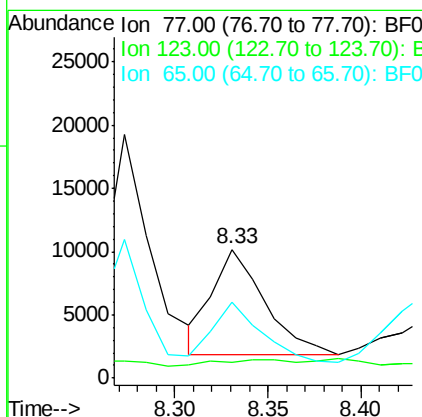
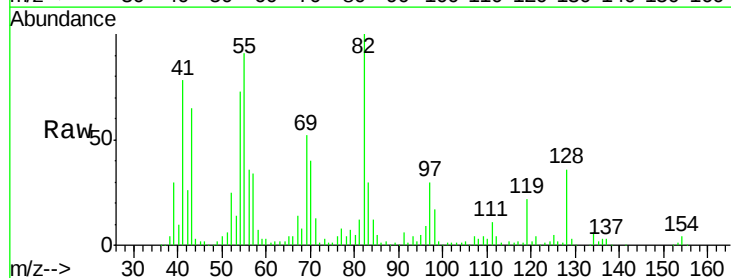
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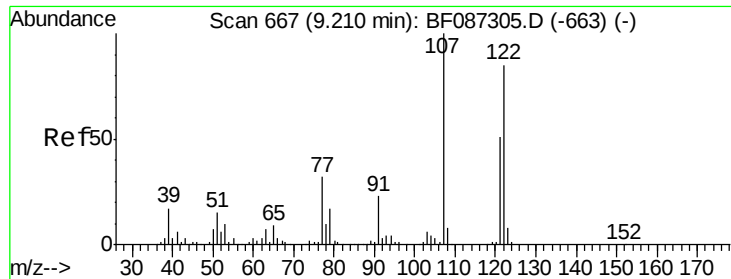
Tot Ion: 82 Resp: 246047
Ion Ratio Lower Upper
82 100
128 36.0 40.6 61.0#
54 73.1 38.1 57.1#



#24
Nitrobenzene
Concen: 2.06 ng
RT: 8.33 min Scan# 590
Delta R.T. -0.15 min
Lab File: BF087644.D
Acq: 2 Jun 2016 12:57

Tgt Ion: 77 Resp: 16170
Ion Ratio Lower Upper
77 100
123 12.6 33.0 49.4#
65 58.8 10.8 16.2#

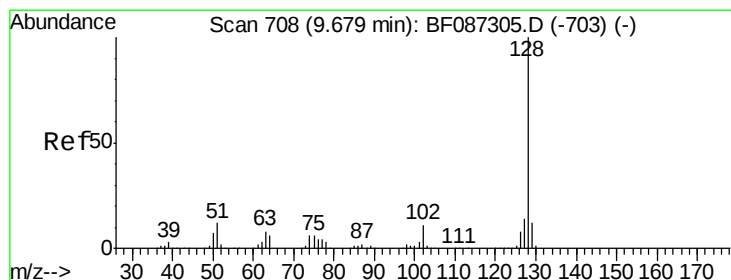
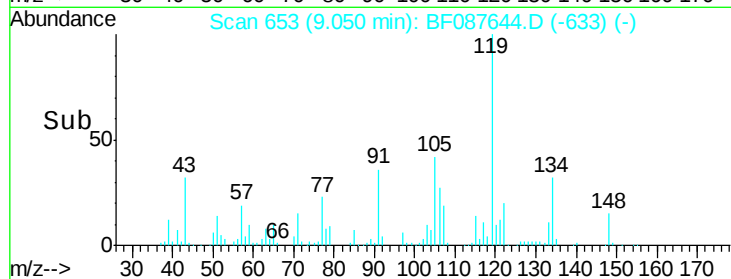
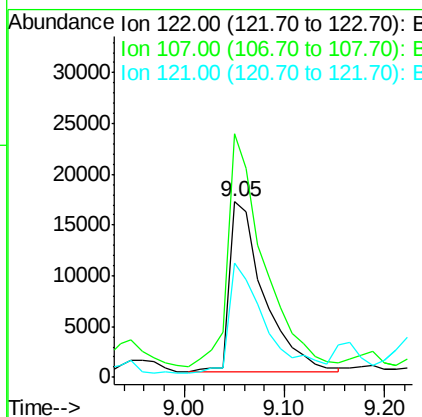
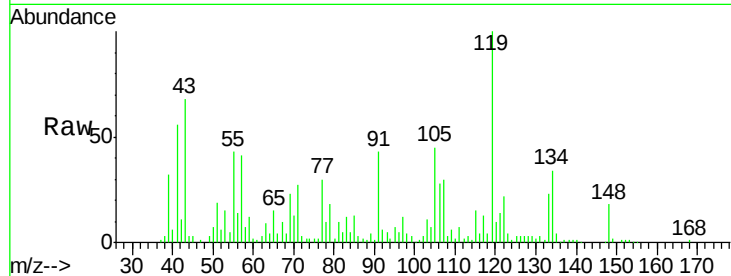




#27
2,4-Dimethylphenol
Concen: 7.30 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.07 min
Lab File: BF087644.D
Acq: 2 Jun 2016 12:57

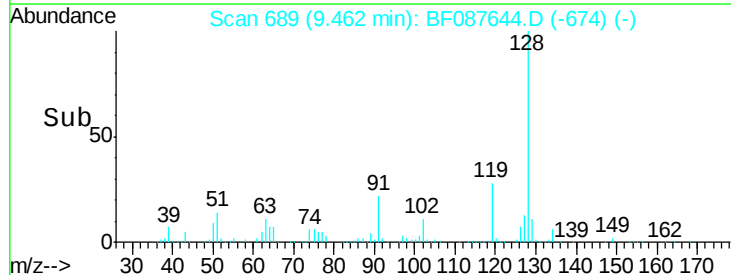
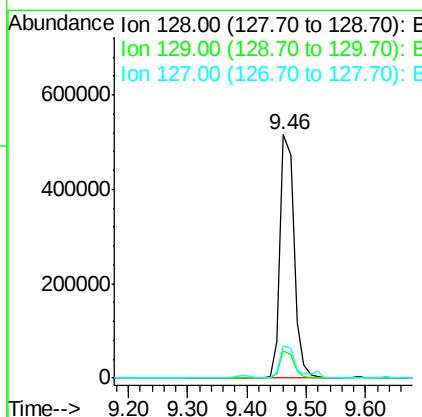
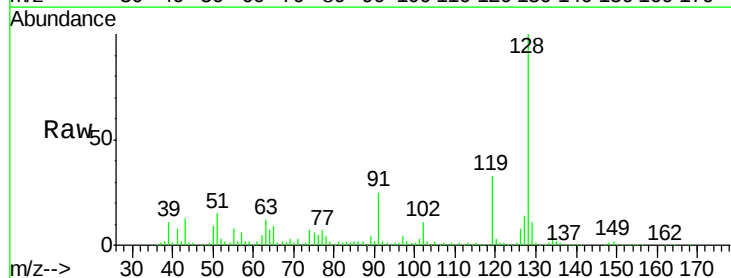
Instrument :
BNA_F
ClientSampleId :
B-2DL

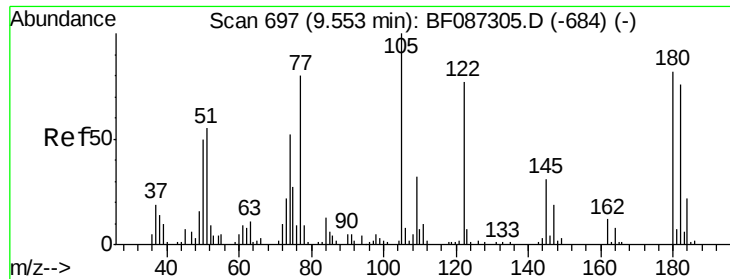
Tot Ion:122 Resp: 40590
Ion Ratio Lower Upper
122 100
107 138.6 82.0 123.0#
121 65.3 46.1 69.1



#31
Naphthalene
Concen: 45.07 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.13 min
Lab File: BF087644.D
Acq: 2 Jun 2016 12:57

Tgt Ion:128 Resp: 844405
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.5 10.8 16.2





#32

Benzoic acid

Concen: 10.15 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Instrument :

BNA_F

ClientSampled :

B-2DL

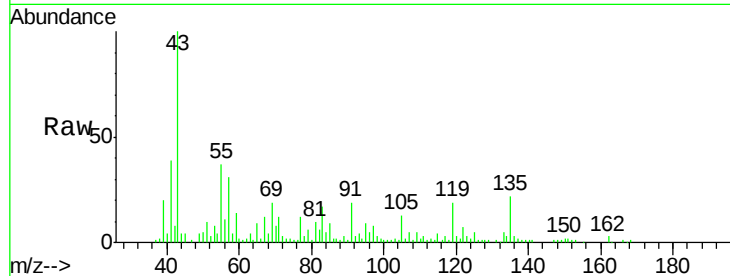
Tot Ion:122 Resp: 14084

Ion Ratio Lower Upper

122 100

105 175.8 92.6 132.6#

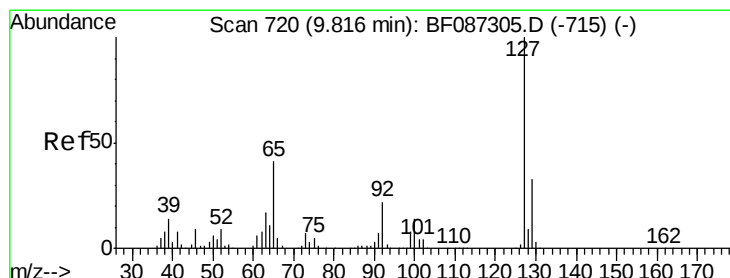
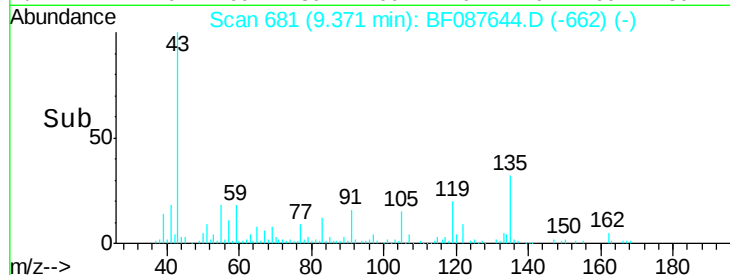
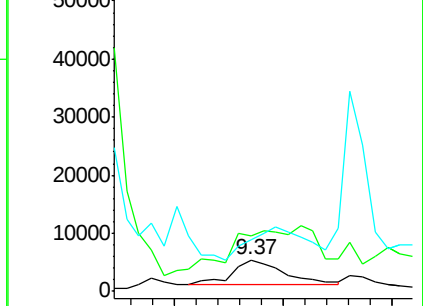
77 166.7 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 18.60 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.27 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Tgt Ion:127 Resp: 128350

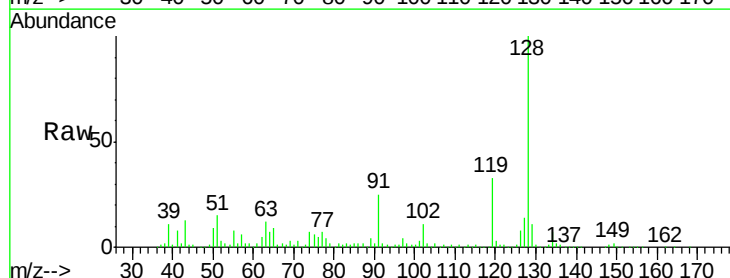
Ion Ratio Lower Upper

127 100

129 84.0 26.2 39.4#

65 64.5 23.0 34.4#

92 16.6 15.1 22.7

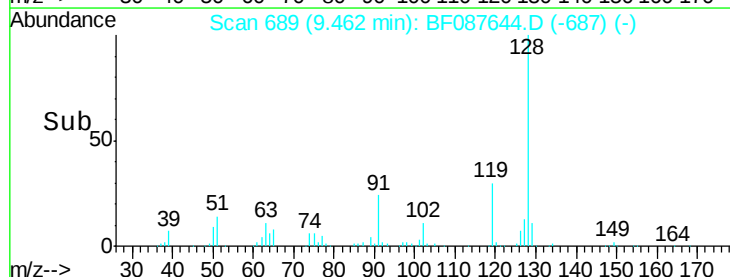
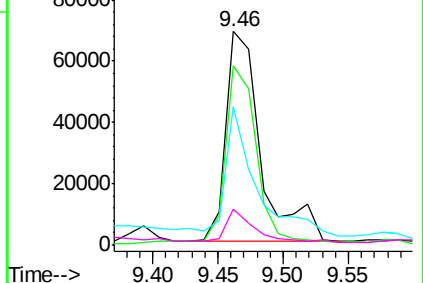


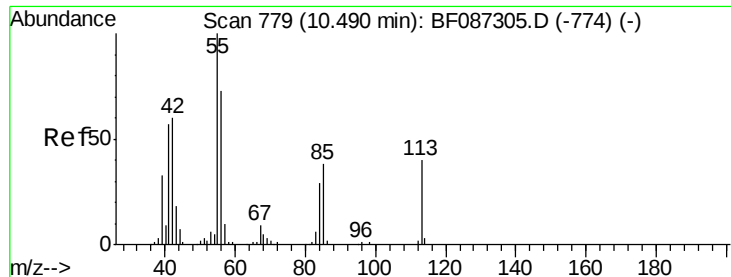
Abundance Ion 127.00 (126.70 to 127.70): E

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





#35

Caprolactam

Concen: 13.63 ng

RT: 10.22 min Scan# 755

Delta R.T. -0.17 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Instrument :

BNA_F

ClientSampled :

B-2DL

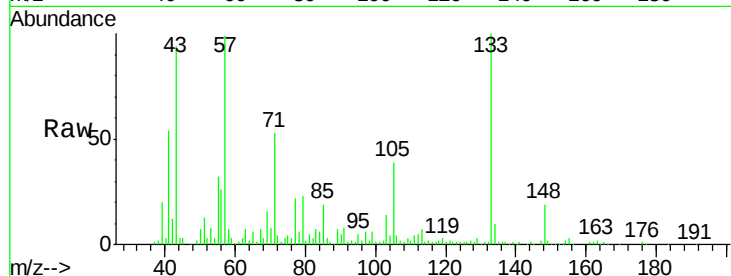
Tot Ion:113 Resp: 19928

Ion Ratio Lower Upper

113 100

55 488.9 162.0 202.0#

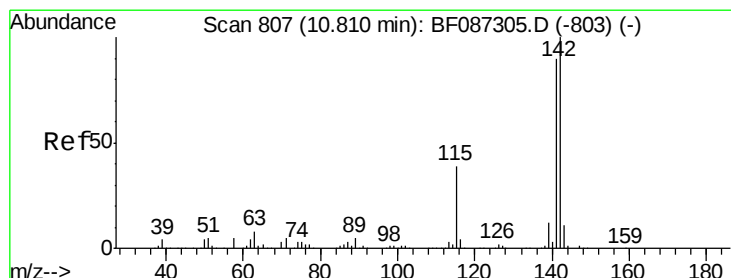
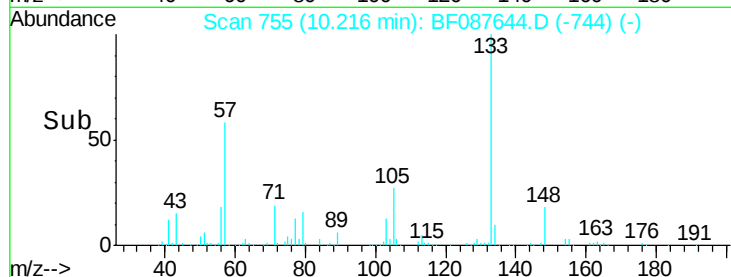
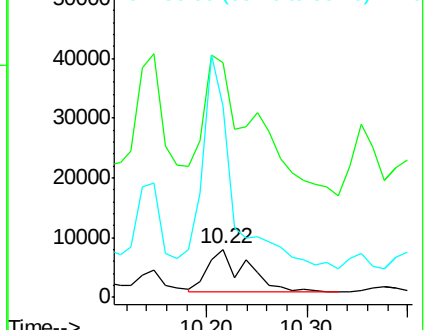
56 396.5 115.3 155.3#



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: 23.39 ng

RT: 10.59 min Scan# 788

Delta R.T. -0.13 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

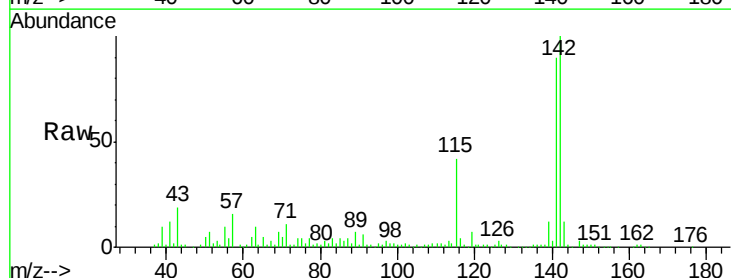
Tgt Ion:142 Resp: 273793

Ion Ratio Lower Upper

142 100

141 90.1 71.0 106.6

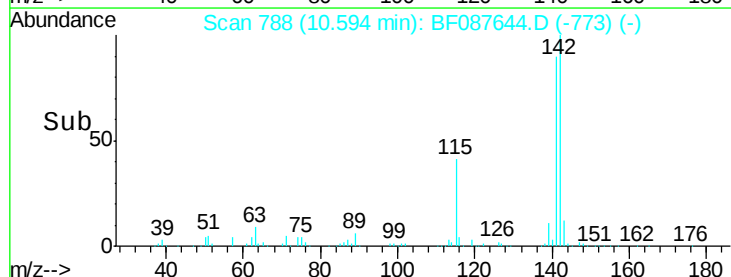
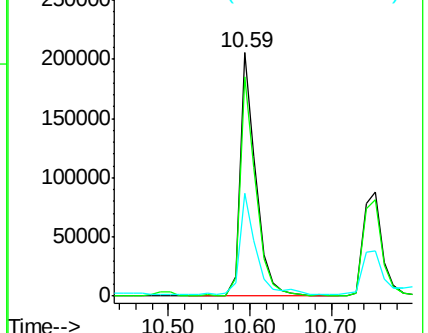
115 42.0 26.6 39.8#

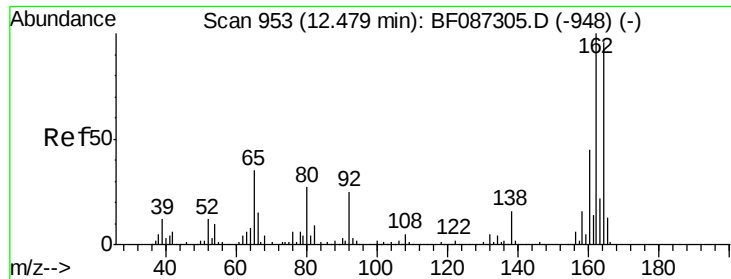


Abundance Ion 142.00 (141.70 to 142.70): E

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: 12.25 min Scan# 933

Delta R.T. -0.14 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Instrument :

BNA_F

ClientSampleId :

B-2DL

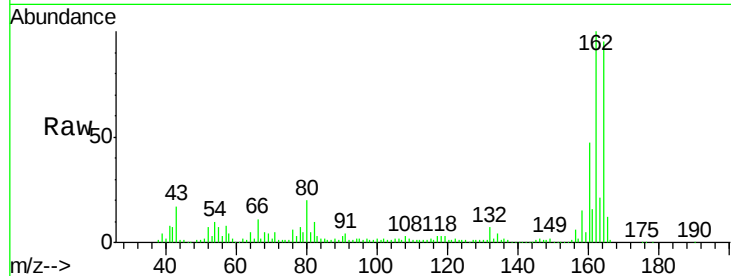
Tot Ion:164 Resp: 182659

Ion Ratio Lower Upper

164 100

162 105.3 82.8 124.2

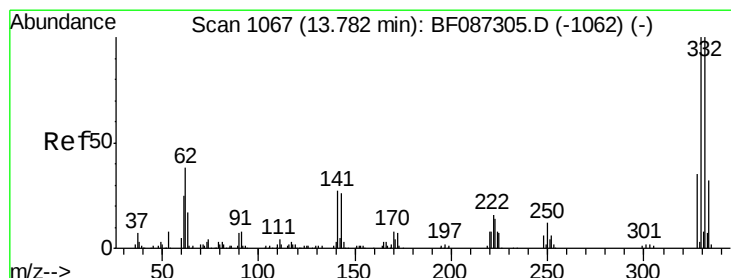
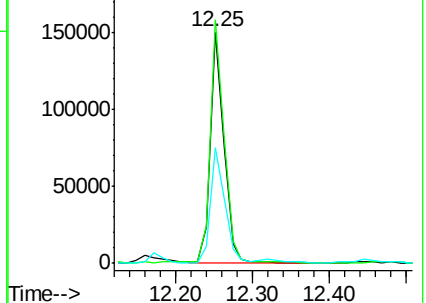
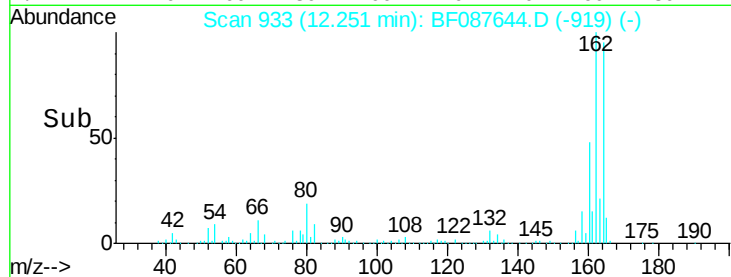
160 49.9 36.9 55.3



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: 46.88 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.11 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

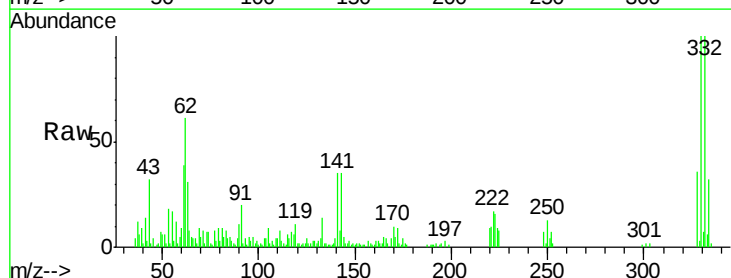
Tgt Ion:330 Resp: 82281

Ion Ratio Lower Upper

330 100

332 95.6 79.0 118.4

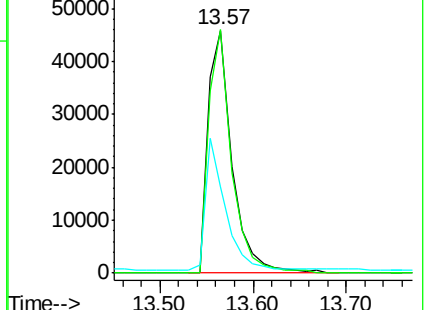
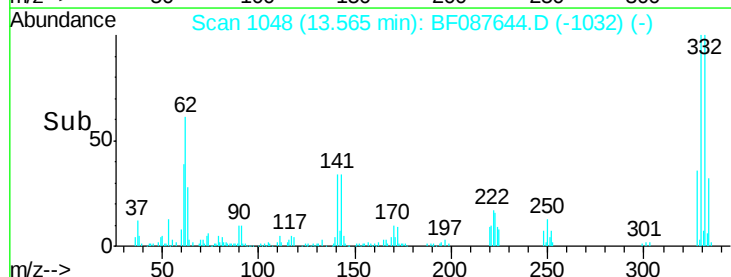
141 45.5 31.2 46.8

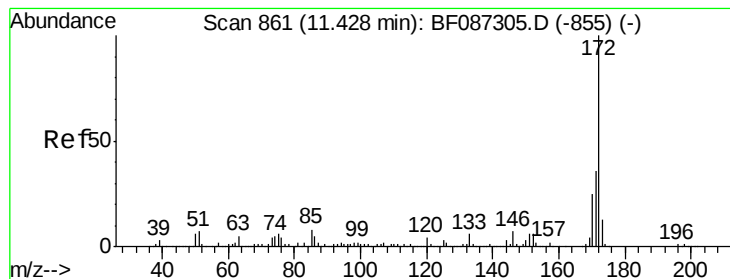


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

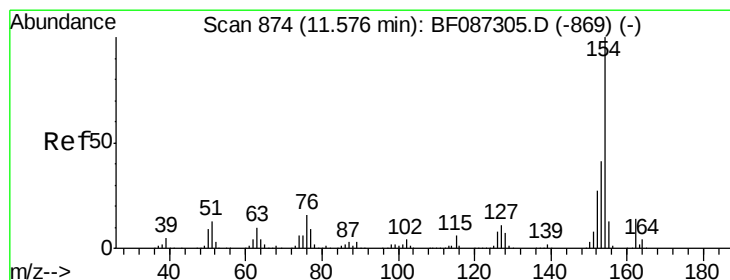
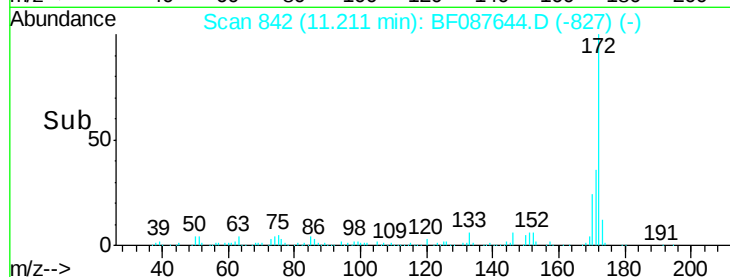
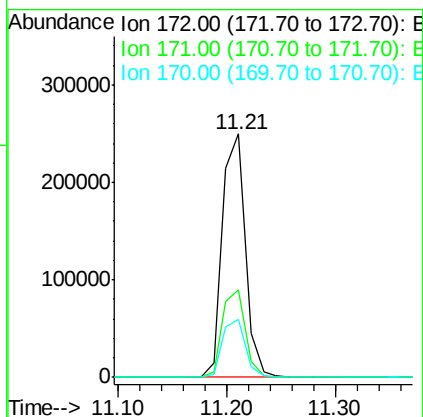
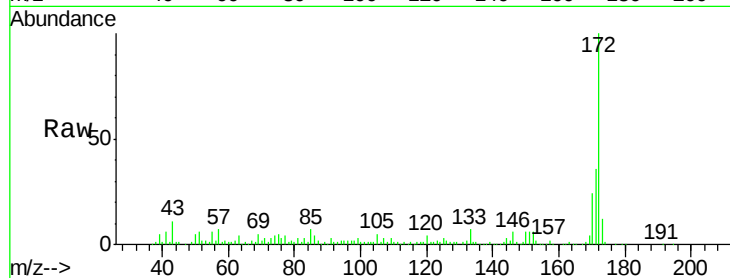




#44
 2-Fluorobiphenyl
 Concen: 28.21 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.13 min
 Lab File: BF087644.D
 Acq: 2 Jun 2016 12:57

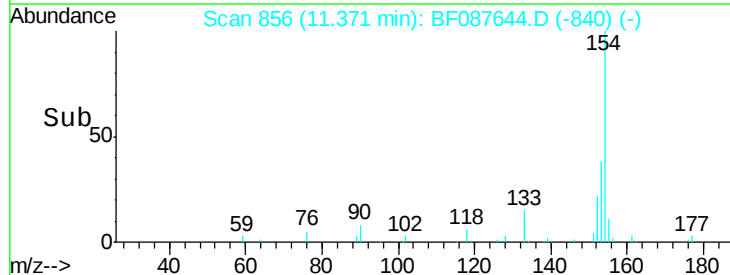
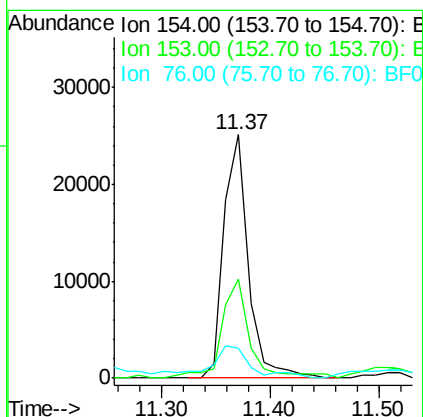
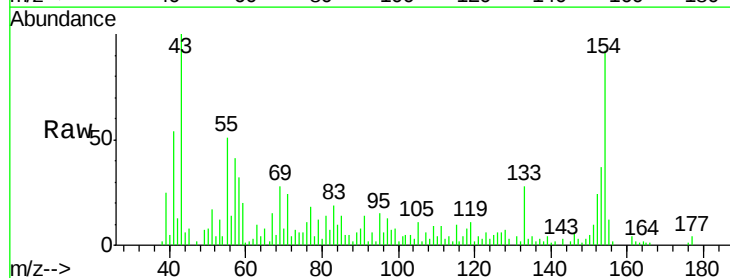
Instrument :
 BNA_F
 ClientSampleId :
 B-2DL

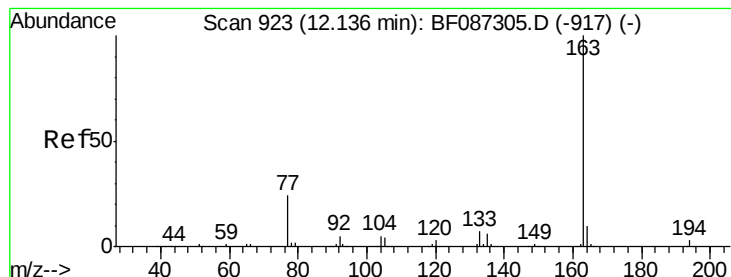
Tot Ion:172 Resp: 365564
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 23.9 19.8 29.8



#45
 1,1'-Biphenyl
 Concen: 2.54 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.11 min
 Lab File: BF087644.D
 Acq: 2 Jun 2016 12:57

Tgt Ion:154 Resp: 39020
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.3 60.3
 76 12.0 0.0 30.2





#49

Dimethylphthalate

Concen: 2.55 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.13 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Instrument :

BNA_F

ClientSampleId :

B-2DL

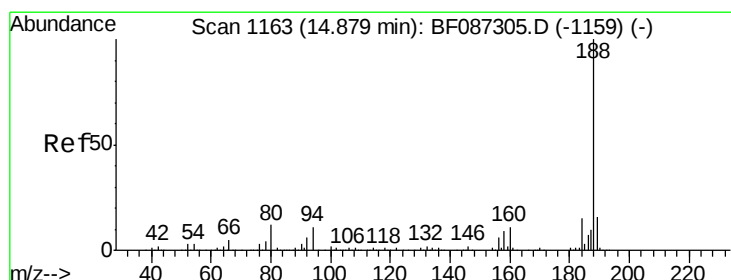
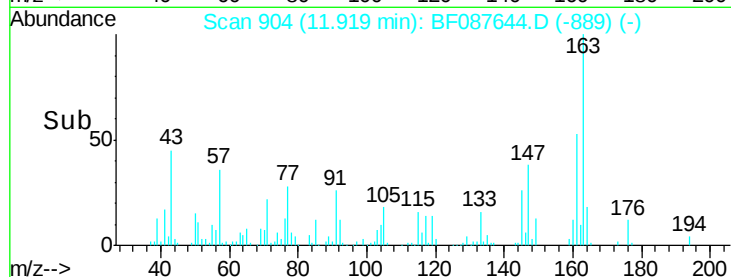
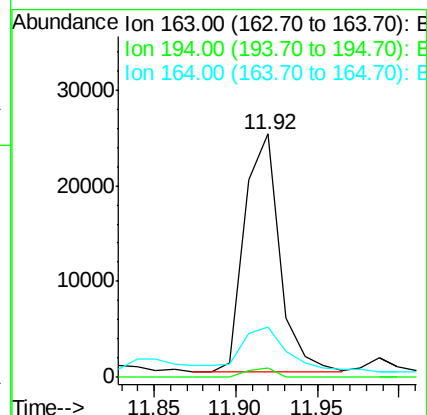
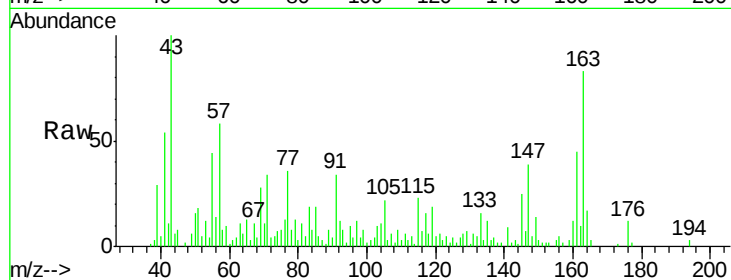
Tot Ion:163 Resp: 37328

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

164 20.6 8.2 12.4#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.66 min Scan# 1144

Delta R.T. -0.11 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

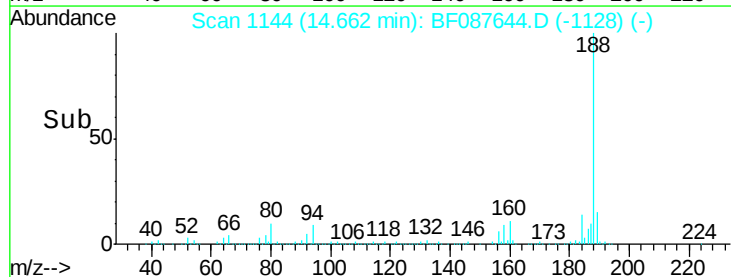
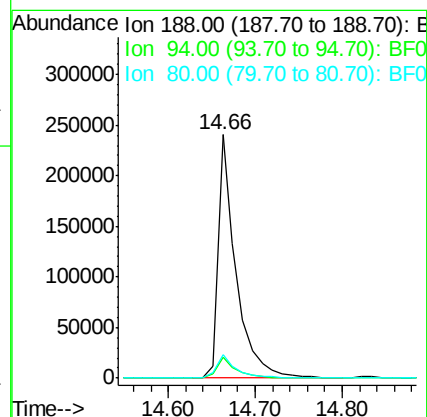
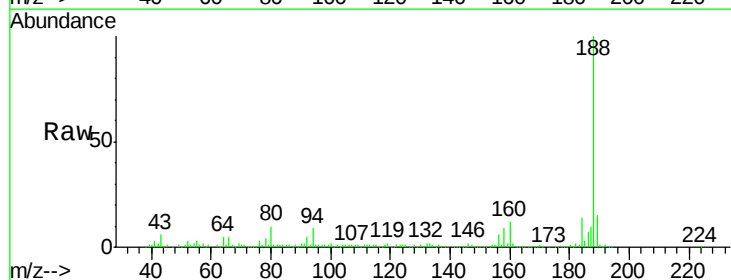
Tgt Ion:188 Resp: 344721

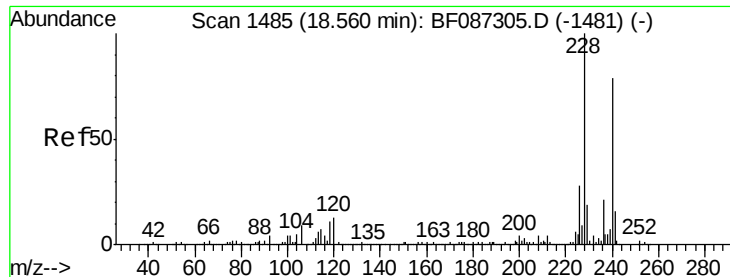
Ion Ratio Lower Upper

188 100

94 8.8 6.8 10.2

80 9.8 7.1 10.7





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.08 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

Instrument :

BNA_F

ClientSampled :

B-2DL

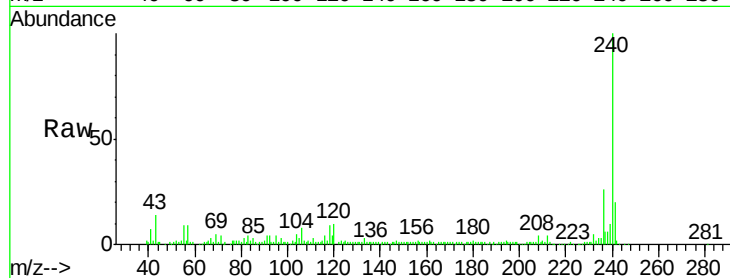
Tot Ion:240 Resp: 221924

Ion Ratio Lower Upper

240 100

120 10.0 11.2 16.8#

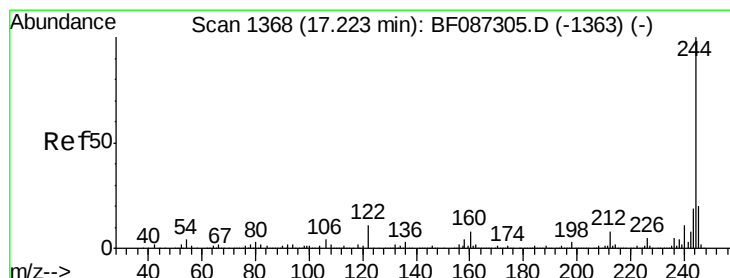
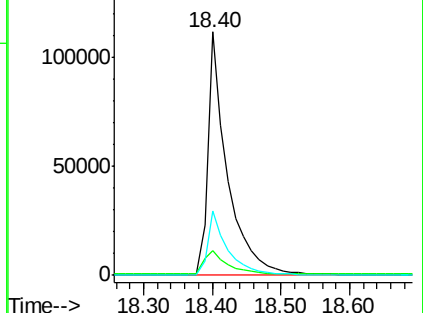
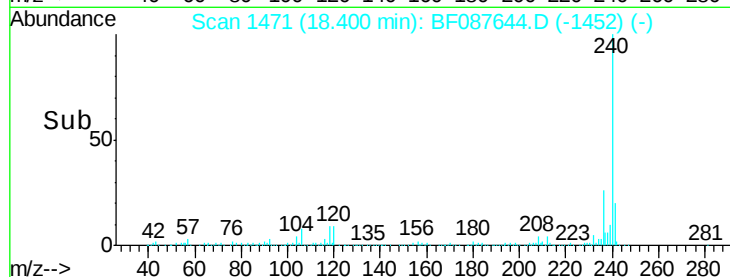
236 26.2 21.2 31.8



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: 29.35 ng

RT: 17.02 min Scan# 1350

Delta R.T. -0.11 min

Lab File: BF087644.D

Acq: 2 Jun 2016 12:57

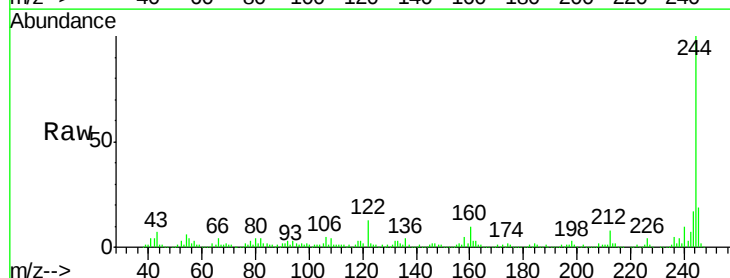
Tgt Ion:244 Resp: 306323

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

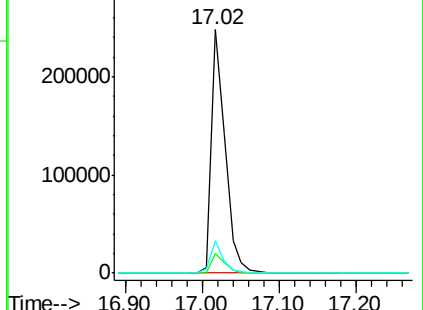
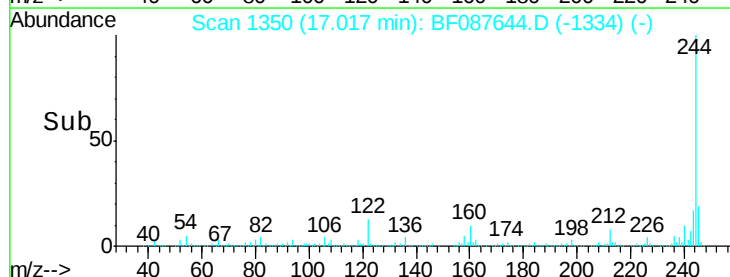
122 13.4 12.0 18.0

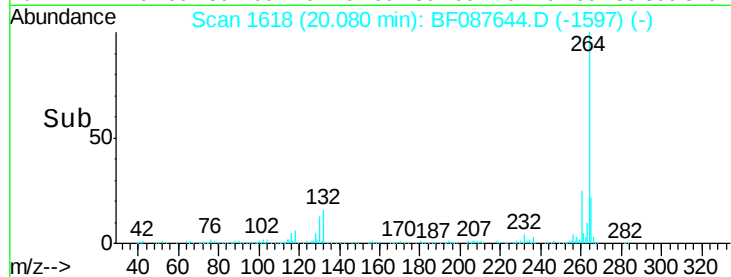
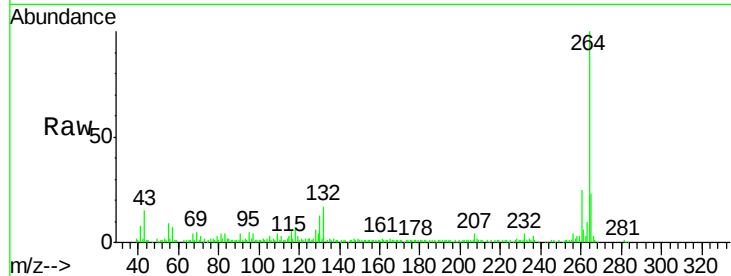
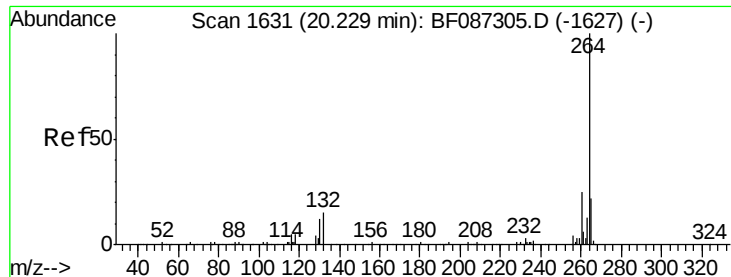


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.08 min Scan# 1618
 Delta R.T. -0.06 min
 Lab File: BF087644.D
 Acq: 2 Jun 2016 12:57

Instrument :
 BNA_F
 ClientSampleId :
 B-2DL

Tot Ion:264	Resp:	209124
Ion Ratio	Lower	Upper
264	100	
260	24.6	19.5 29.3
265	22.7	17.3 25.9

