

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088135.D
 Acq On : 18 Jun 2016 15:43
 Operator : UM/SJ
 Sample : H3501-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED2-0-6

Quant Time: Jun 19 07:44:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	104446	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	383519	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	158743	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	246949	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	204184	20.00	ng	-0.02
86) Perylene-d12	15.21	264	159840	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	665823	108.98	ng	0.01
7) Phenol-d6	6.35	99	901621	121.77	ng	0.00
23) Nitrobenzene-d5	7.26	82	428320	65.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	127386	76.00	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	832107	82.16	ng	-0.02
78) Terphenyl-d14	12.79	244	643648	71.73	ng	-0.01

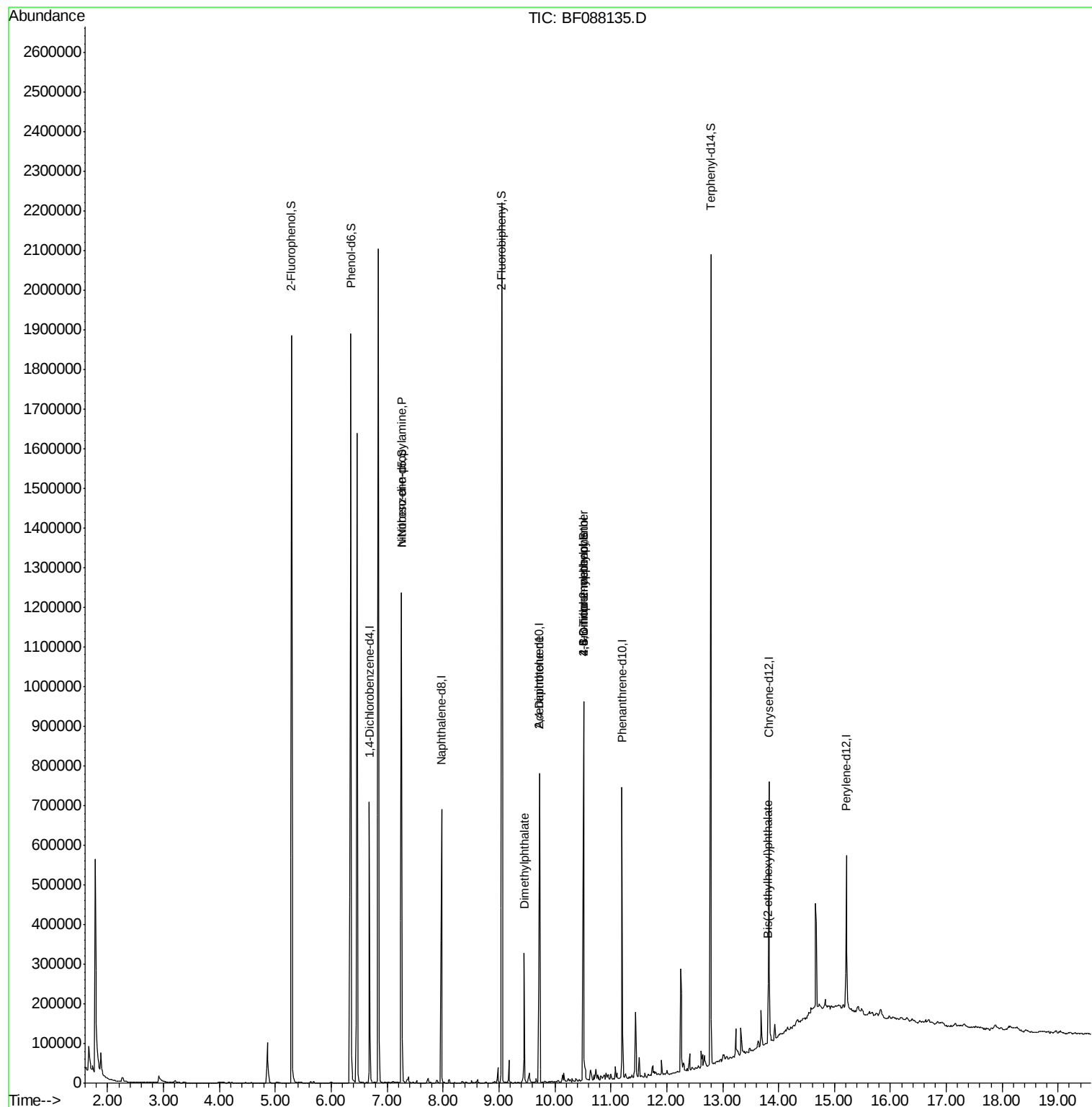
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	4732	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.26	70	56202	11.87 ng	#	71
45) 1,1'-Biphenyl	9.05	154	1697	Below Cal	#	1
49) Dimethylphthalate	9.45	163	135138	11.75 ng		99
56) 2,4-Dinitrotoluene	9.72	165	19910	5.88 ng	#	38
57) Fluorene	10.27	166	782	Below Cal	#	91
64) 4,6-Dinitro-2-methylphenol	10.51	198	241	2.31 ng	#	1
66) 4-Bromophenyl-phenylether	10.51	248	8869	3.35 ng	#	1
83) Bis(2-ethylhexyl)phthalate	13.82	149	27956	3.43 ng		99

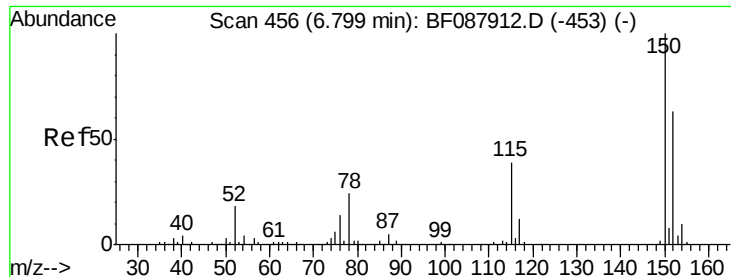
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

Instrument :

BNA_F

ClientSampleId :

SED2-0-6

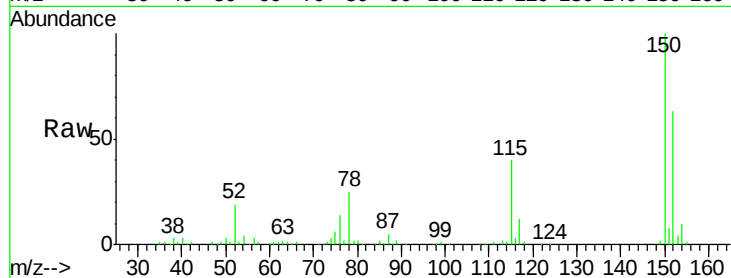
Tgt Ion:152 Resp: 104446

Ion Ratio Lower Upper

152 100

150 158.0 123.8 185.6

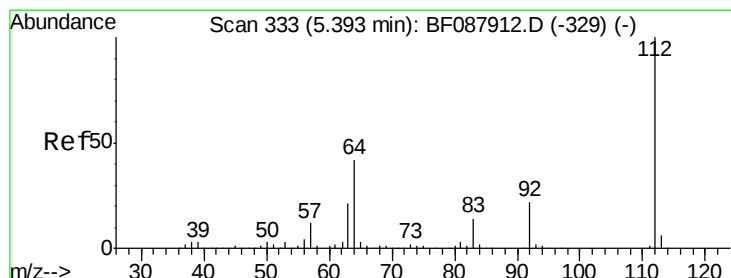
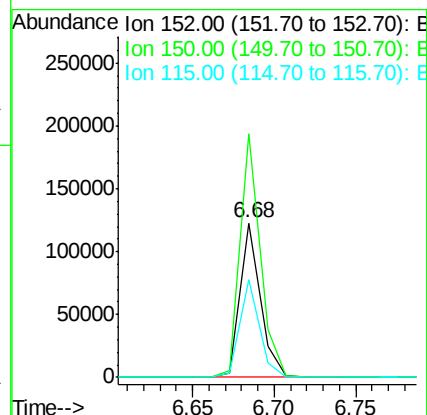
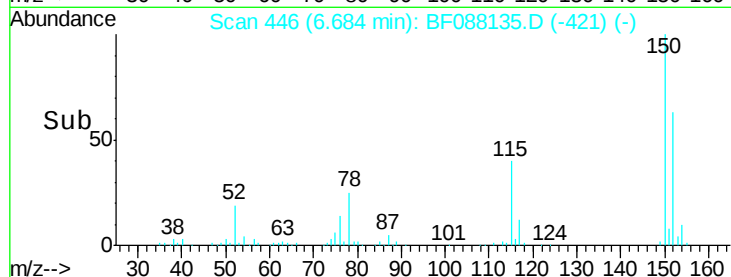
115 63.5 39.6 59.4#



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: 108.98 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

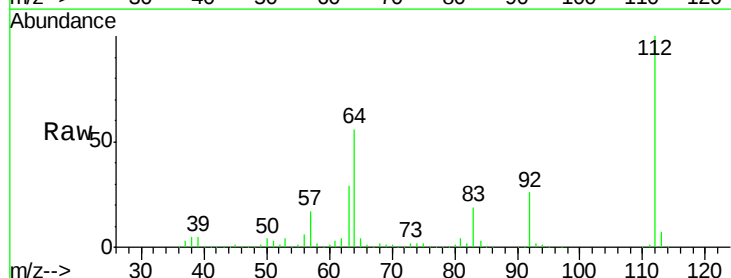
Tgt Ion:112 Resp: 665823

Ion Ratio Lower Upper

112 100

64 56.2 42.2 63.2

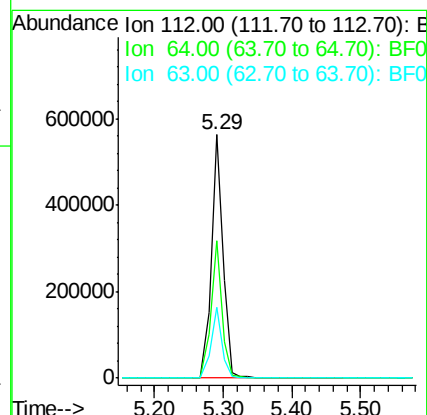
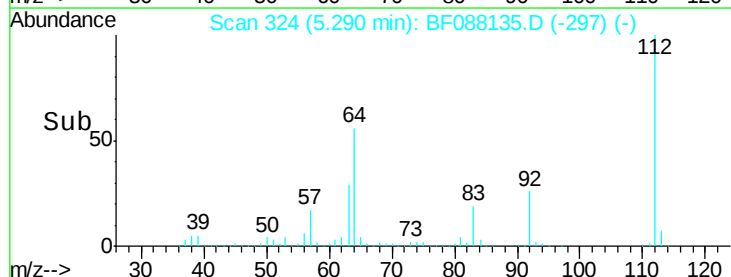
63 29.1 21.8 32.8

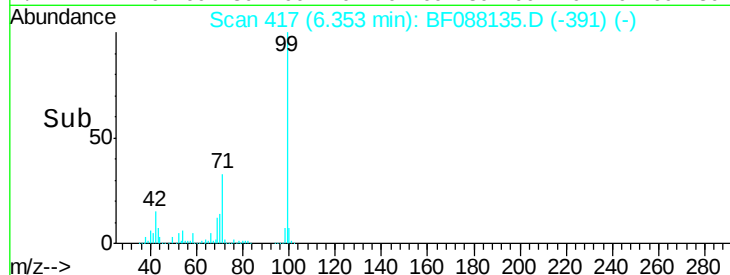
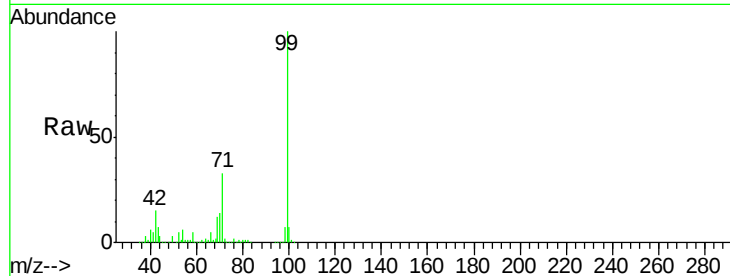
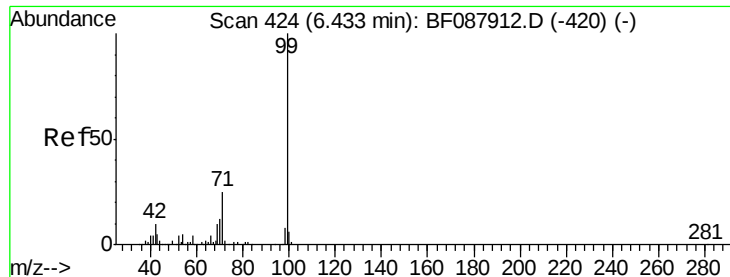


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.77 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

Instrument :

BNA_F

ClientSampleId :

SED2-0-6

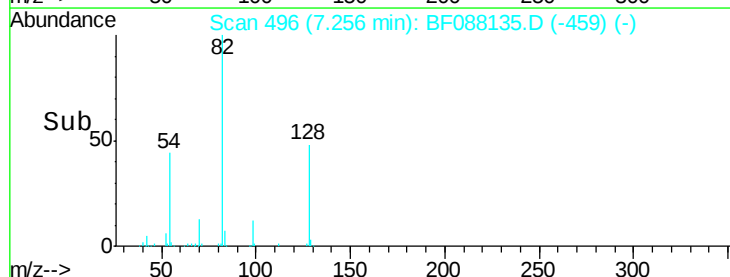
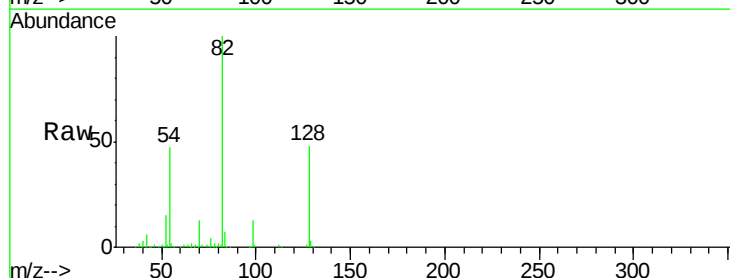
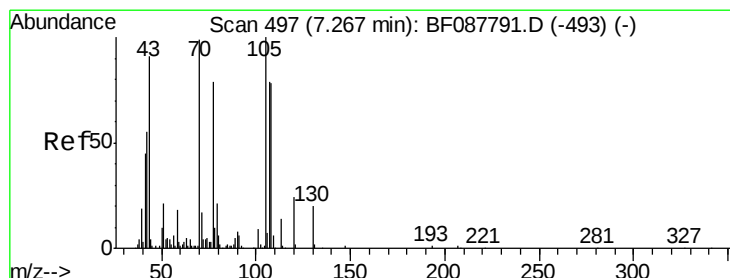
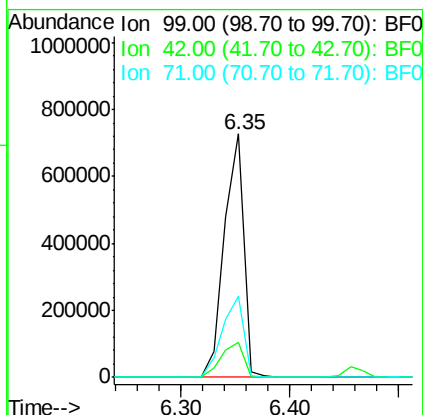
Tgt Ion: 99 Resp: 901621

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

71 33.4 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.87 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

Tgt Ion: 70 Resp: 56202

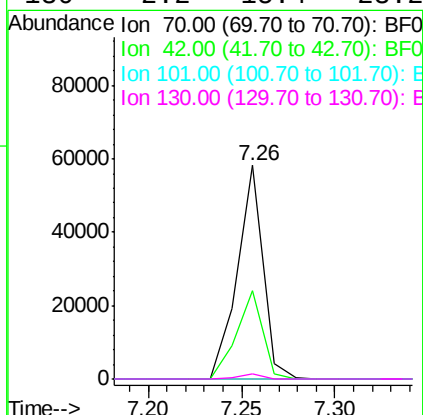
Ion Ratio Lower Upper

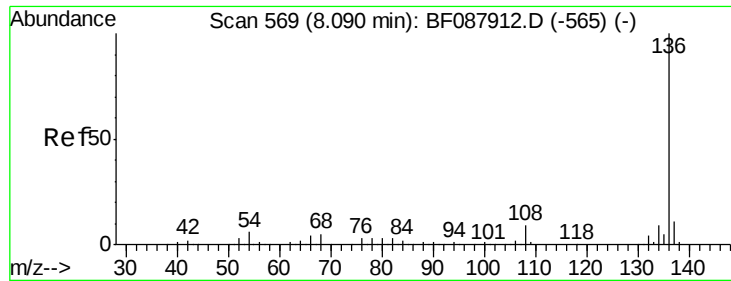
70 100

42 41.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#

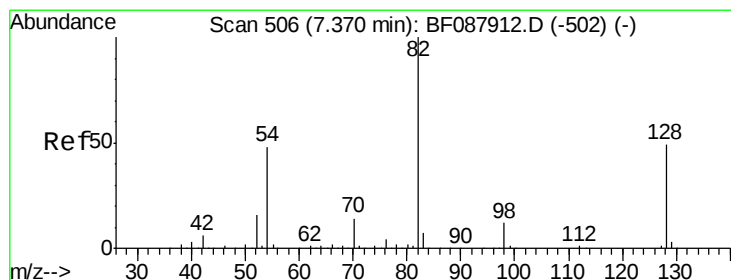
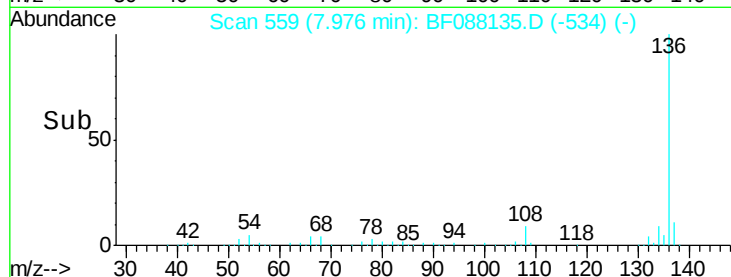
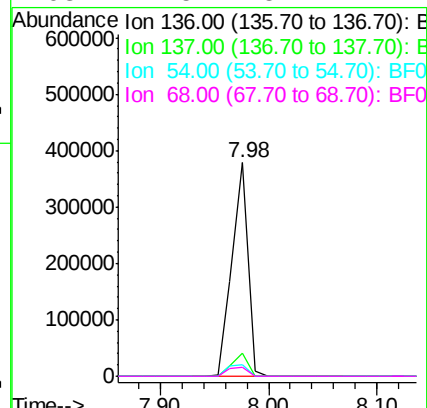
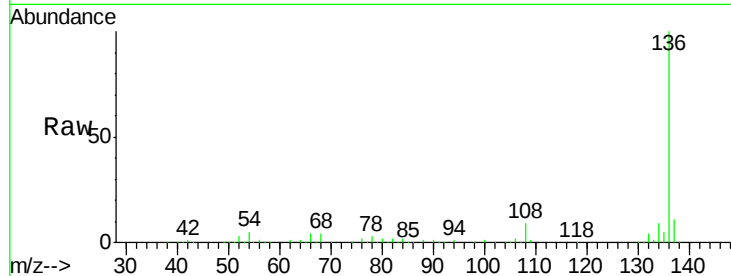




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

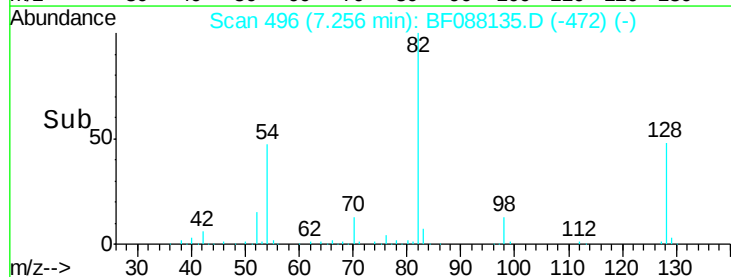
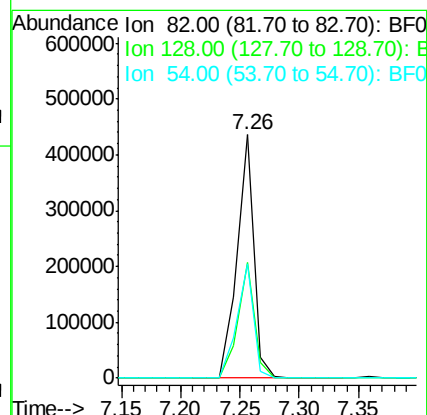
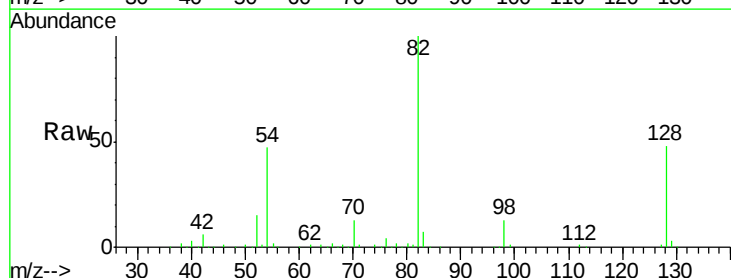
Instrument :
BNA_F
ClientSampled :
SED2-0-6

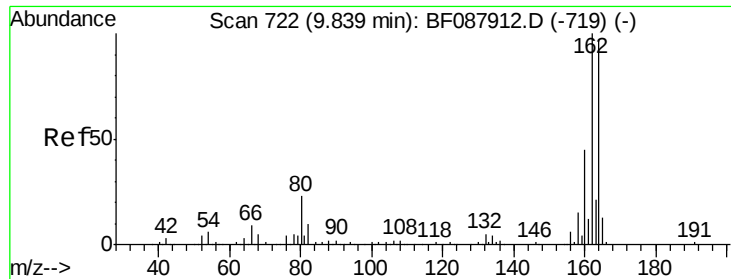
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.1	6.6	10.0#
68	4.5	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 65.22 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	35.9	53.9
54	46.8	40.9	61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

Instrument :

BNA_F

ClientSampleId :

SED2-0-6

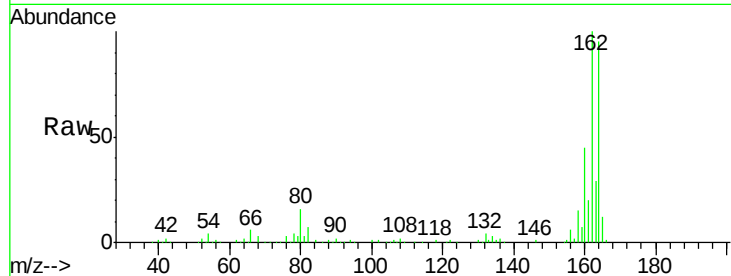
Tgt Ion:164 Resp: 158743

Ion Ratio Lower Upper

164 100

162 105.1 85.4 128.2

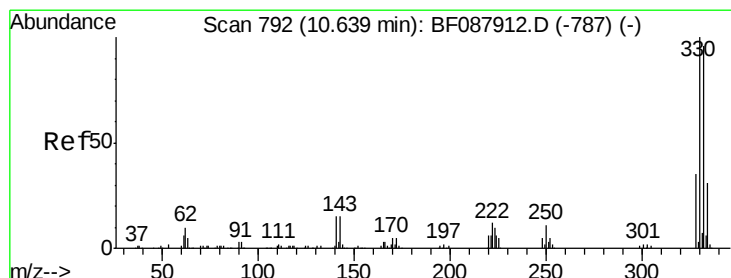
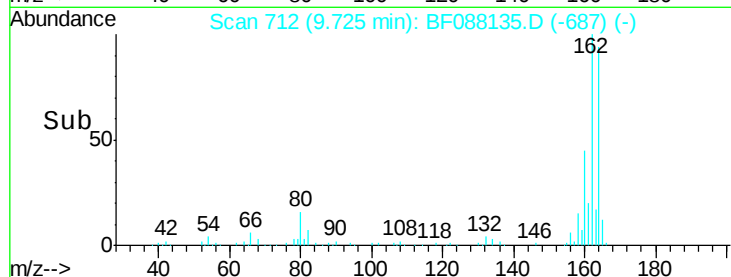
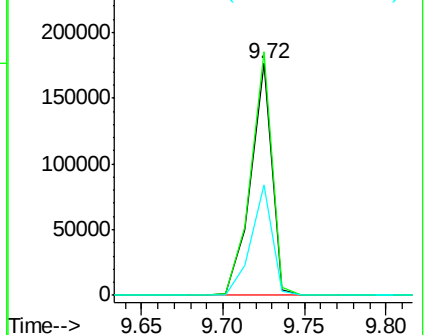
160 47.7 39.5 59.3



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: 76.00 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

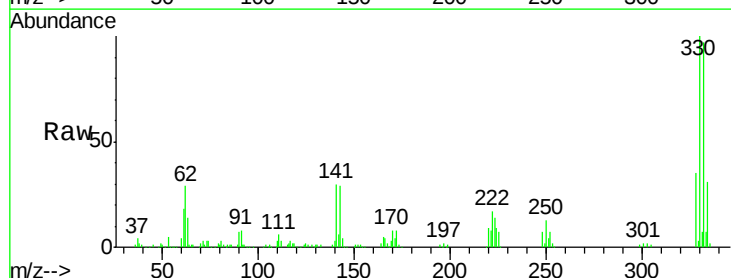
Tgt Ion:330 Resp: 127386

Ion Ratio Lower Upper

330 100

332 96.8 0.0 0.0#

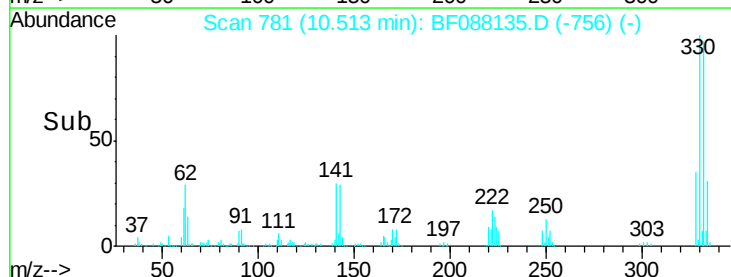
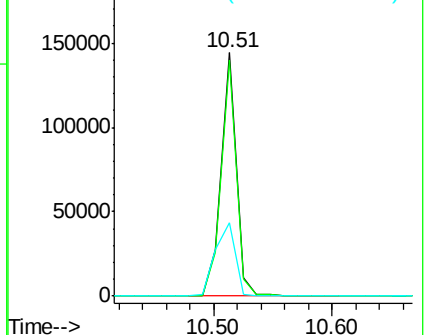
141 39.4 0.0 0.0#

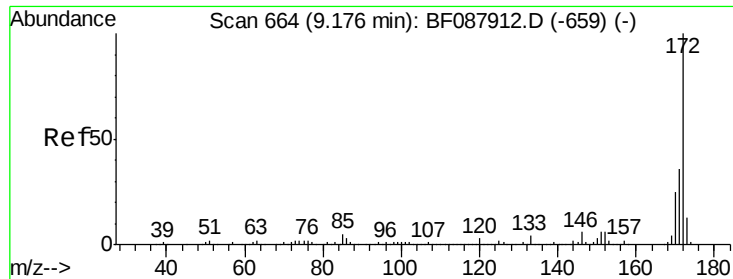


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

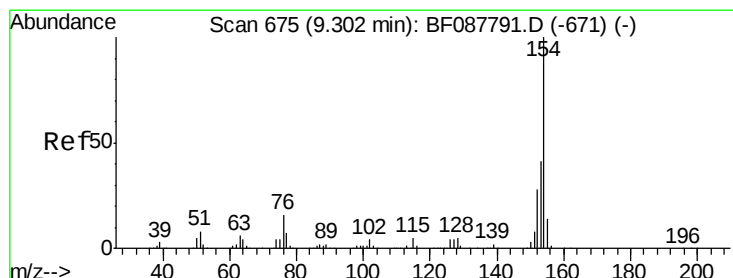
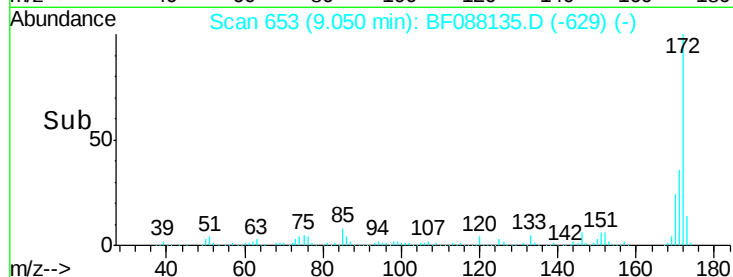
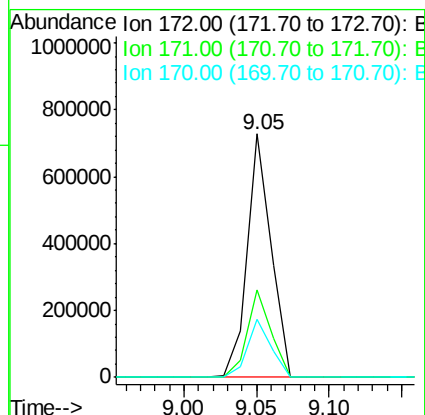
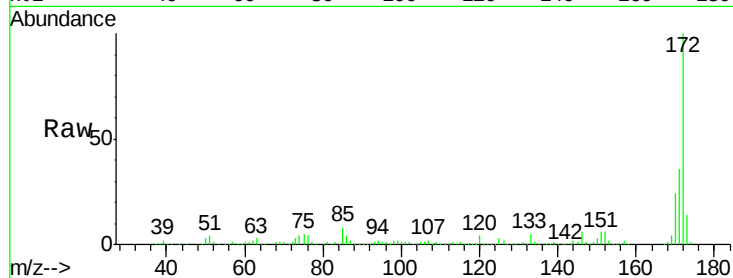




#44
2-Fluorobiphenyl
Concen: 82.16 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

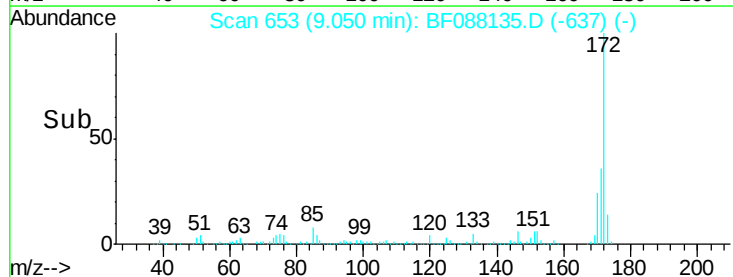
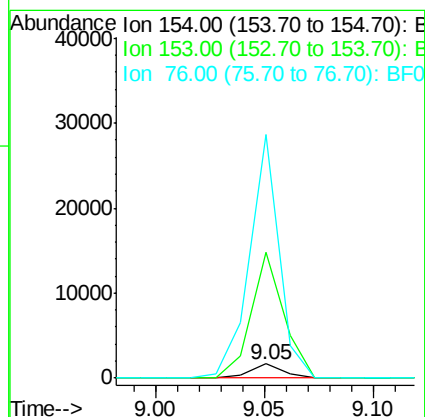
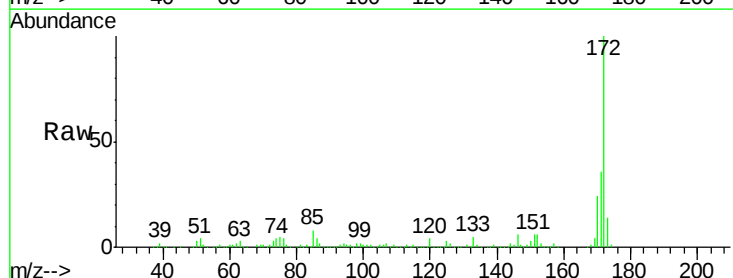
Instrument :
BNA_F
ClientSampleId :
SED2-0-6

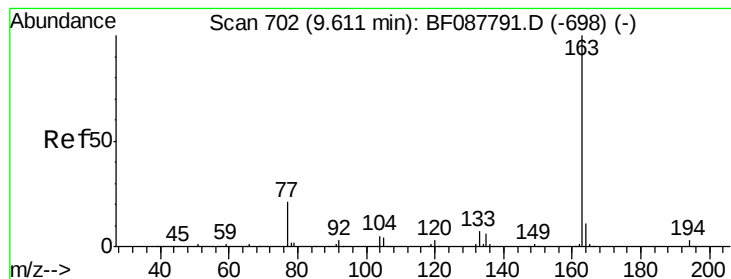
Tgt Ion:172 Resp: 832107
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.9 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.05 min Scan# 653
Delta R.T. -0.11 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion:154 Resp: 1697
Ion Ratio Lower Upper
154 100
153 881.6 20.6 60.6#
76 1709.8 0.0 35.1#





#49

Dimethylphthalate

Concen: 11.75 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

Instrument :

BNA_F

ClientSampleId :

SED2-0-6

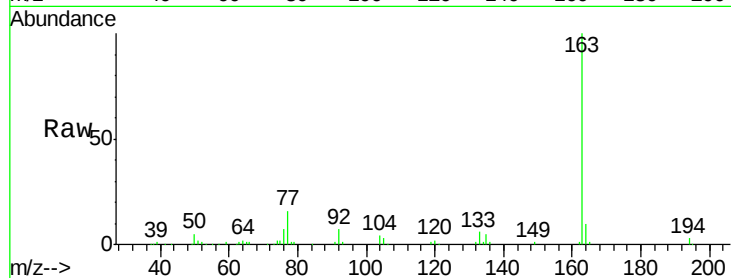
Tgt Ion:163 Resp: 135138

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

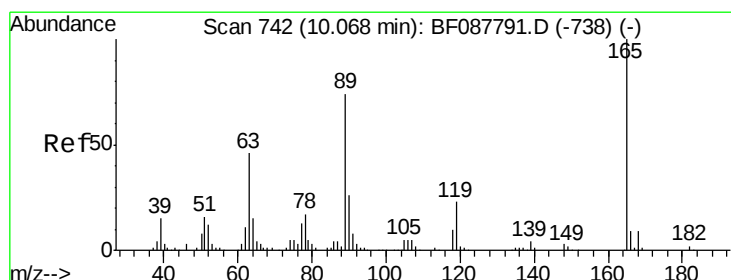
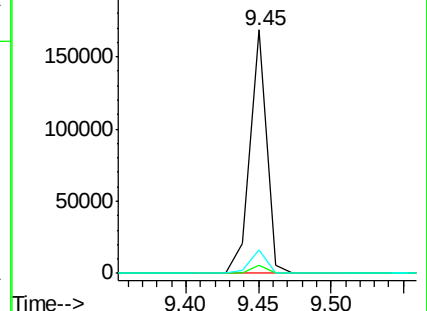
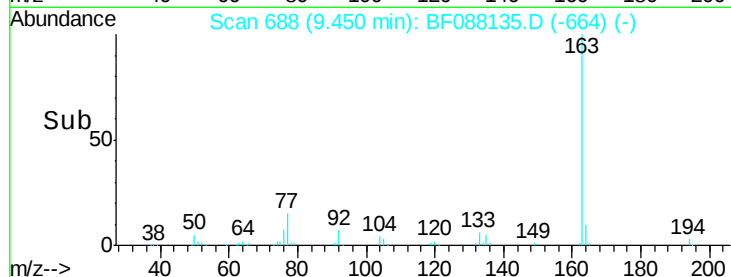
164 9.8 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 5.88 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

Tgt Ion:165 Resp: 19910

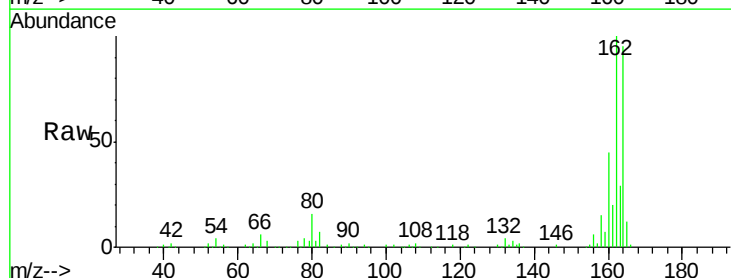
Ion Ratio Lower Upper

165 100

63 1.5 22.0 33.0#

89 1.5 41.1 61.7#

182 0.0 2.0 3.0#

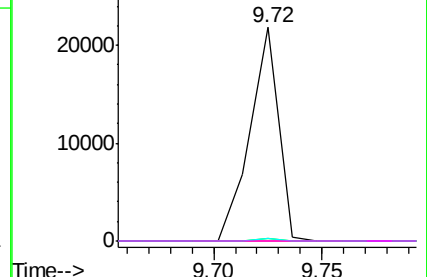
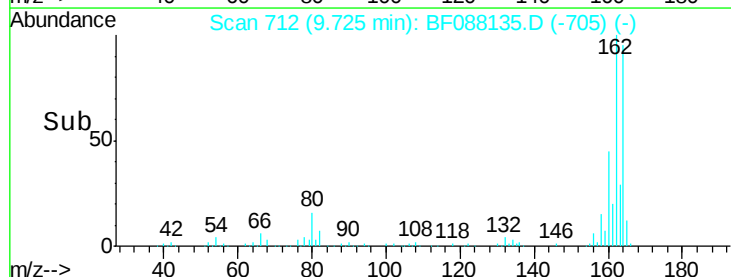


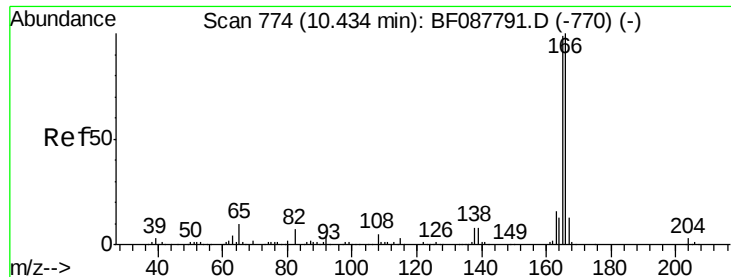
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

Instrument :

BNA_F

ClientSampled :

SED2-0-6

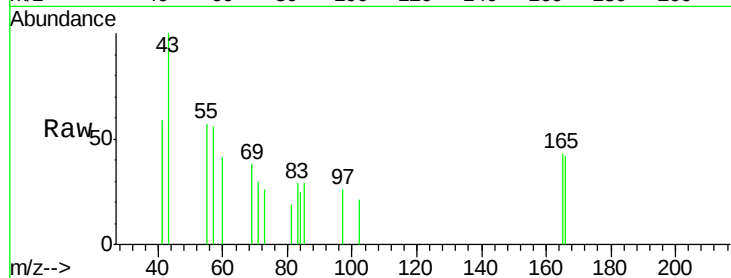
Tgt Ion:166 Resp: 782

Ion Ratio Lower Upper

166 100

165 102.5 77.8 116.8

167 0.0 11.2 16.8#



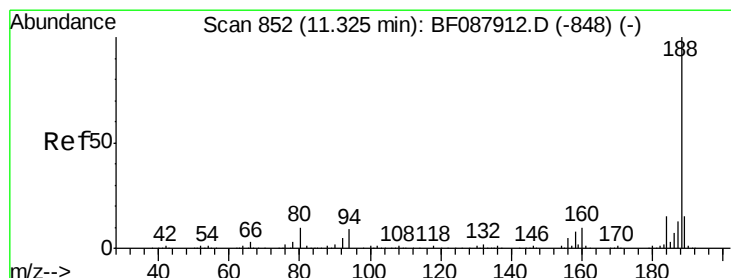
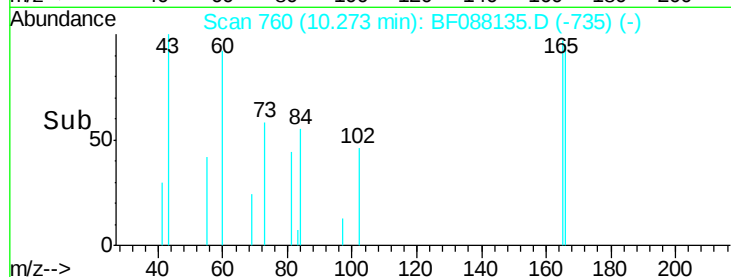
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

10.27

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

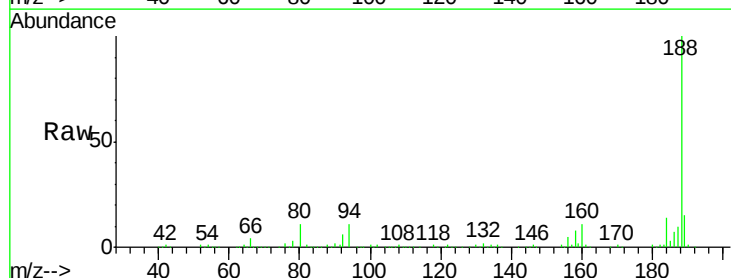
Tgt Ion:188 Resp: 246949

Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.6

80 11.2 10.0 15.0



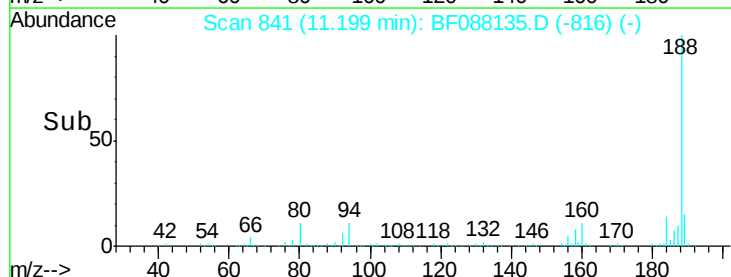
Abundance Ion 188.00 (187.70 to 188.70): E

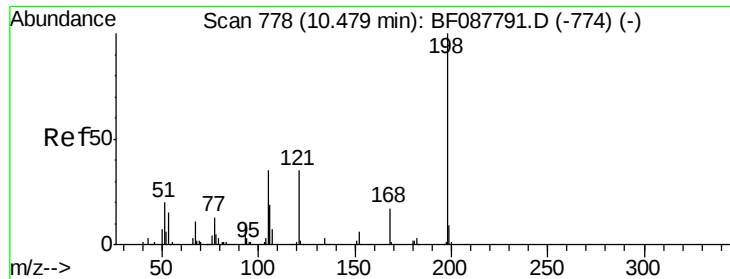
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.20

Time-->

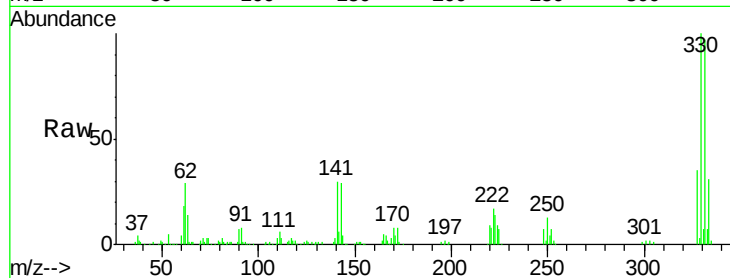




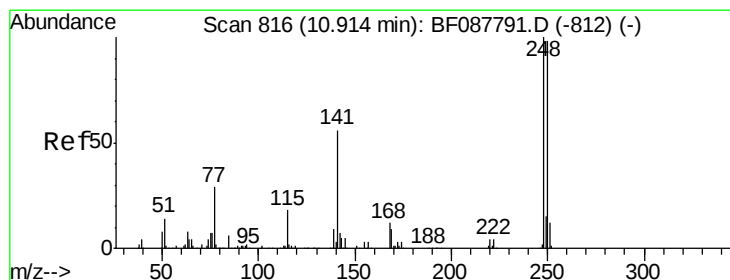
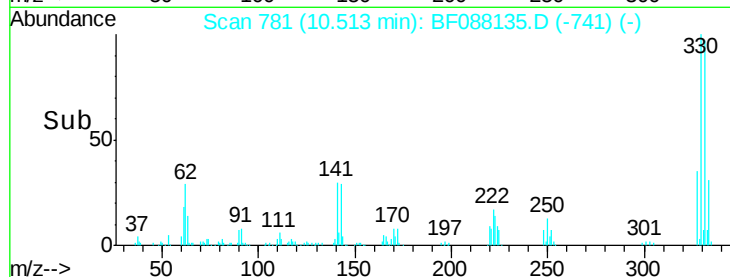
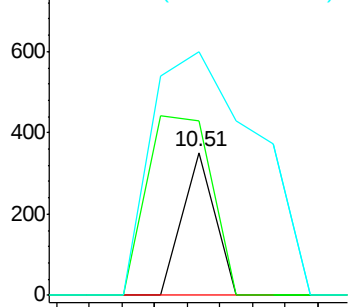
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.31 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.16 min
 Lab File: BF088135.D
 Acq: 18 Jun 2016 15:43

Instrument :
 BNA_F
 ClientSampleId :
 SED2-0-6

Tgt Ion:198 Resp: 241
 Ion Ratio Lower Upper
 198 100
 51 122.5 39.6 79.6#
 105 170.7 36.6 76.6#

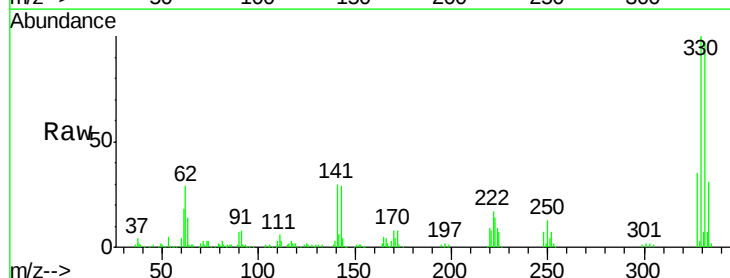


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

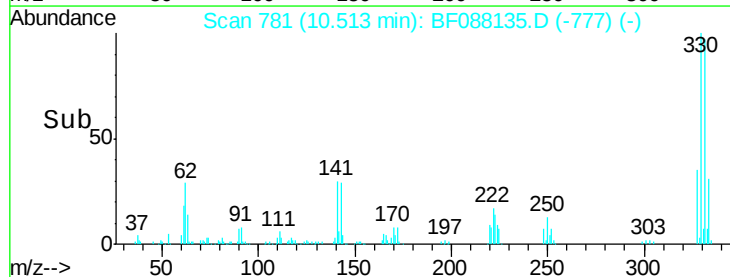
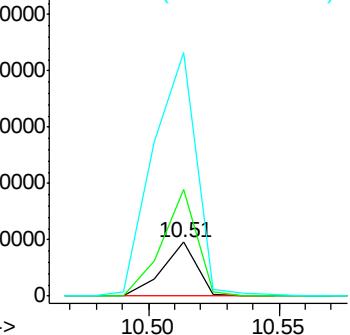


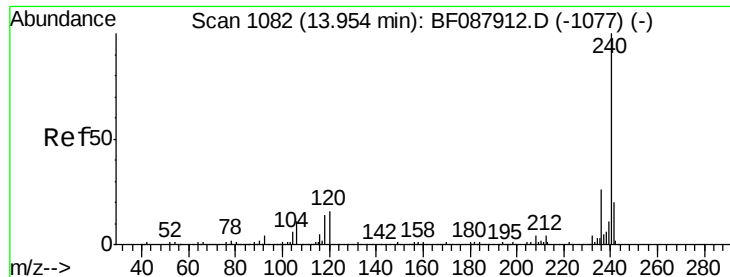
#66
 4-Bromophenyl-phenylether
 Concen: 3.35 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.25 min
 Lab File: BF088135.D
 Acq: 18 Jun 2016 15:43

Tgt Ion:248 Resp: 8869
 Ion Ratio Lower Upper
 248 100
 250 199.4 77.1 115.7#
 141 452.6 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

Instrument :

BNA_F

ClientSampleId :

SED2-0-6

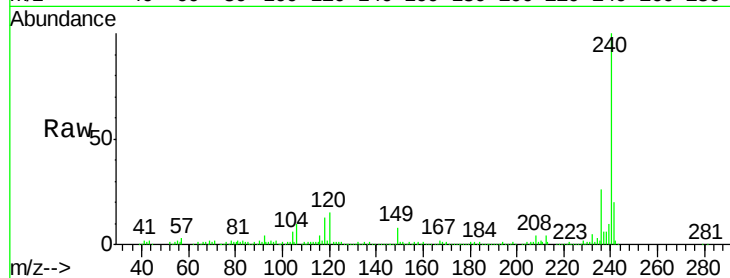
Tgt Ion:240 Resp: 204184

Ion Ratio Lower Upper

240 100

120 15.1 6.8 10.2#

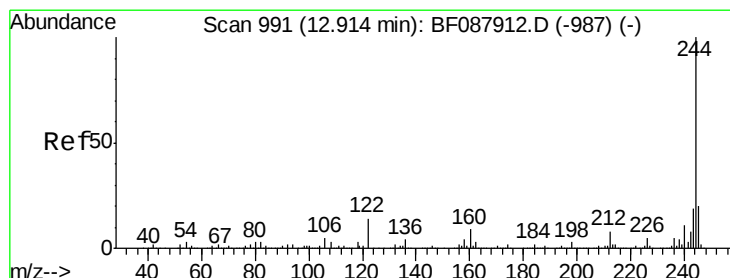
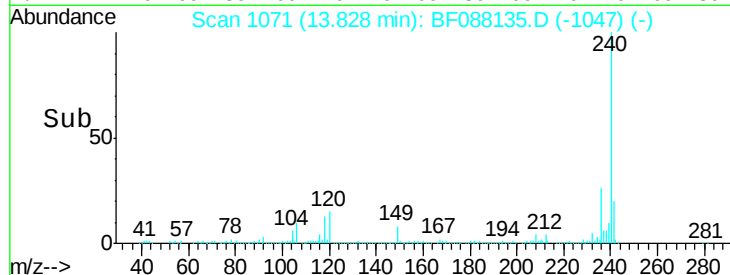
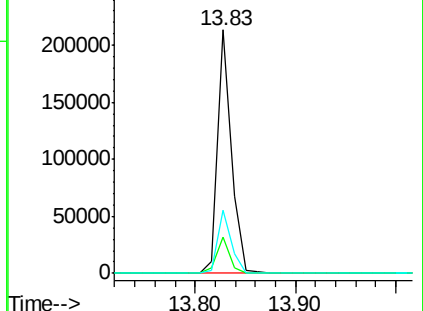
236 25.7 20.2 30.2



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: 71.73 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

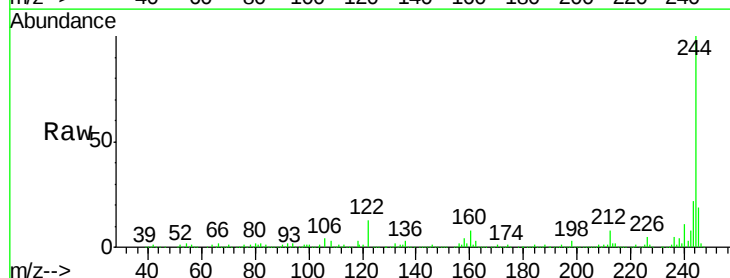
Tgt Ion:244 Resp: 643648

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

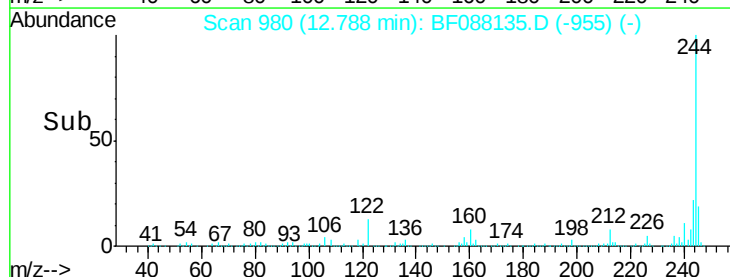
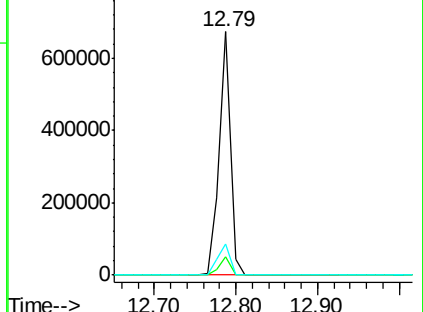
122 12.9 11.2 16.8

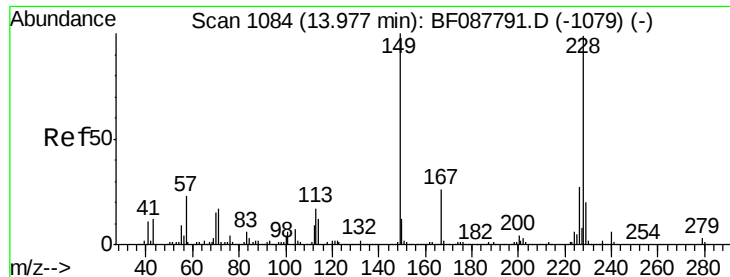


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.43 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

Instrument :

BNA_F

ClientSampleId :

SED2-0-6

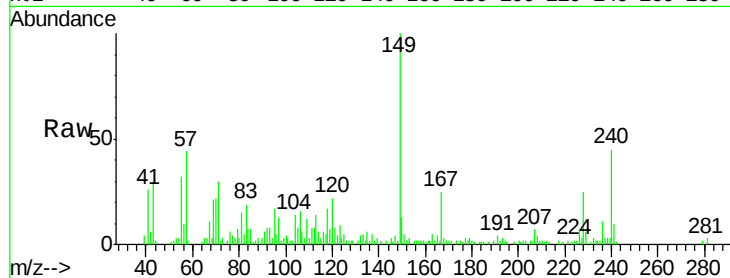
Tgt Ion:149 Resp: 27956

Ion Ratio Lower Upper

149 100

167 25.3 20.5 30.7

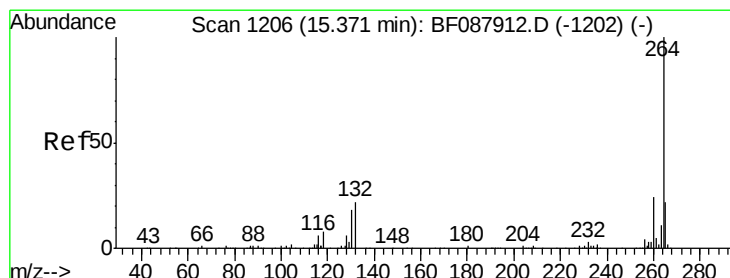
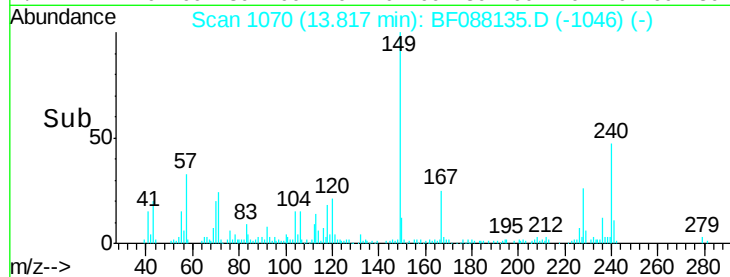
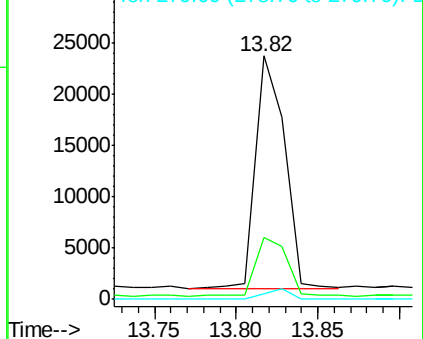
279 2.4 2.0 3.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF088135.D

Acq: 18 Jun 2016 15:43

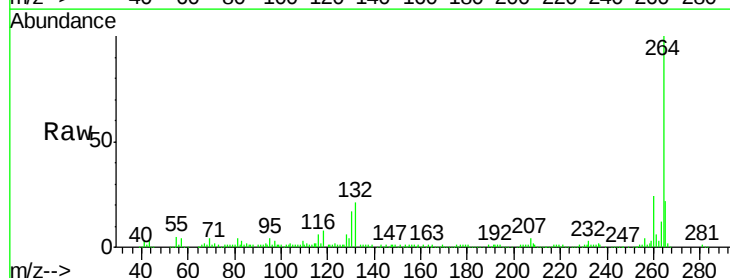
Tgt Ion:264 Resp: 159840

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.7 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

