

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088286.D
 Acq On : 23 Jun 2016 10:21
 Operator : UM/SJ
 Sample : H3084-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 13:52:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

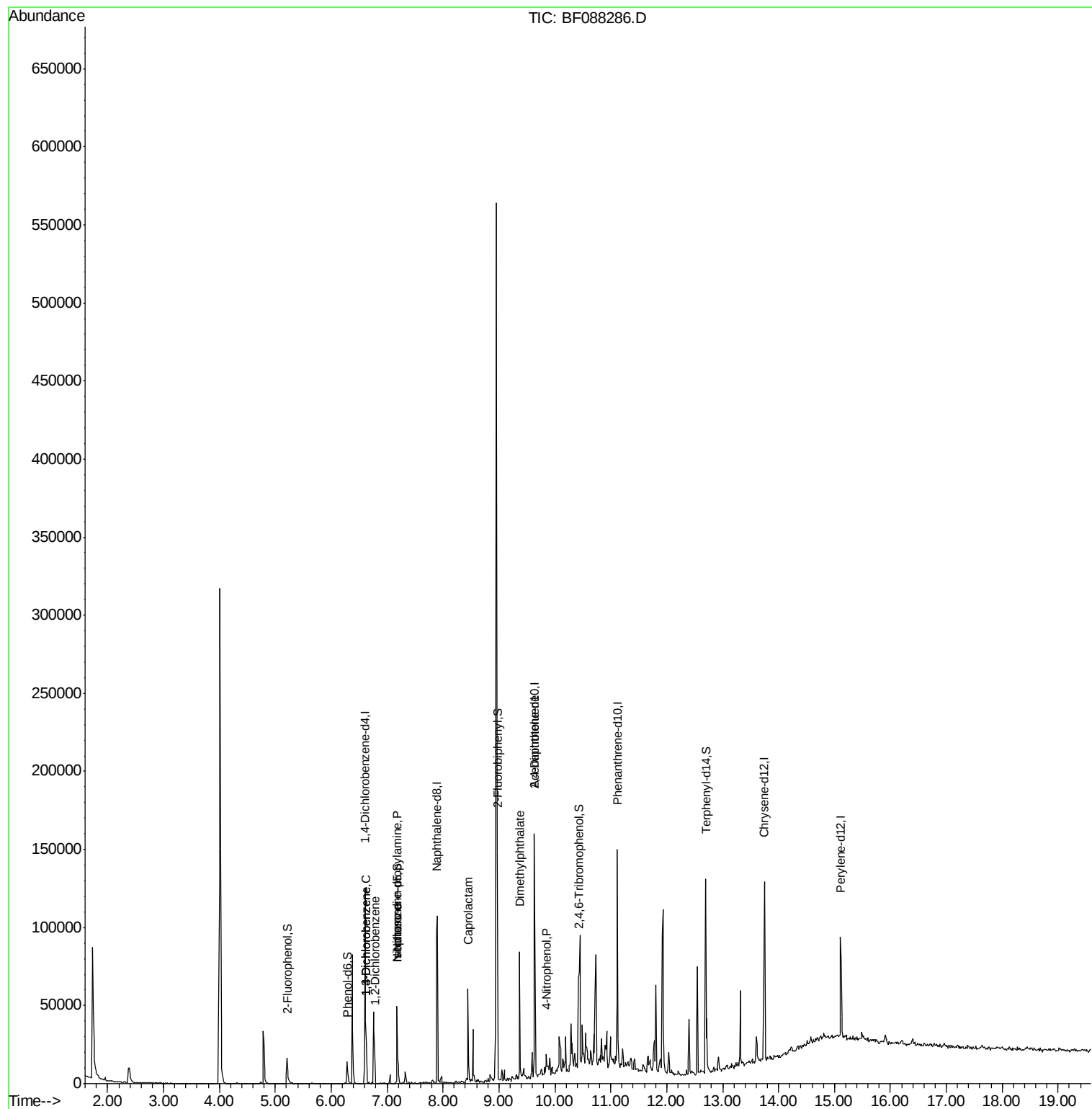
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	20349	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	76727	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	33778	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	49308	20.00	ng	0.00
75) Chrysene-d12	13.75	240	43771	20.00	ng	0.00
86) Perylene-d12	15.11	264	32166	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	12003	10.08	ng	0.03
7) Phenol-d6	6.28	99	11704	8.11	ng	0.02
23) Nitrobenzene-d5	7.18	82	19013	14.47	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	7762	21.76	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	43153	15.54	ng	0.00
78) Terphenyl-d14	12.70	244	37089	19.28	ng	0.00
Target Compounds						
10) Phenol	6.30	94	211	Below Cal	Qvalue #	44
12) 1,3-Dichlorobenzene	6.63	146	11904	7.87	ng	97
13) 1,4-Dichlorobenzene	6.63	146	11904	7.82	ng	97
14) 1,2-Dichlorobenzene	6.78	146	6500	4.69	ng	97
19) n-Nitroso-di-n-propylamine	7.18	70	2112	2.29	ng	# 72
25) Isophorone	7.18	82	19016	7.81	ng	# 65
35) Caprolactam	8.44	113	1931	5.56	ng	# 63
49) Dimethylphthalate	9.37	163	32072	13.11	ng	100
55) 4-Nitrophenol	9.85	139	3370	6.72	ng	# 12
56) 2,4-Dinitrotoluene	9.63	165	4164	5.78	ng	# 36
57) Fluorene	10.42	166	368	Below Cal	#	90

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

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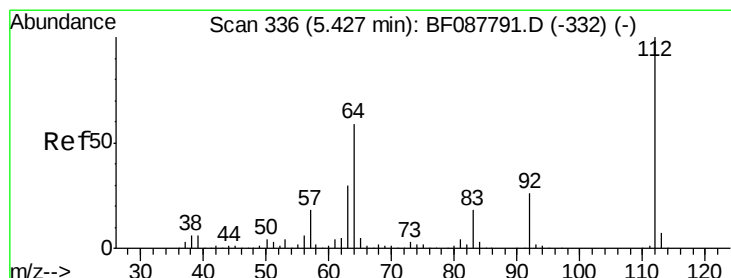
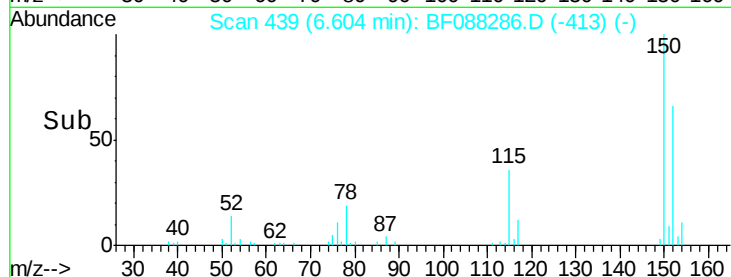
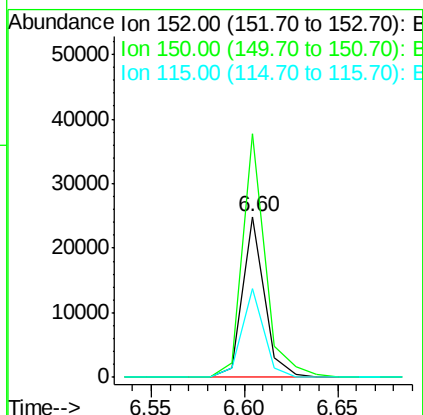
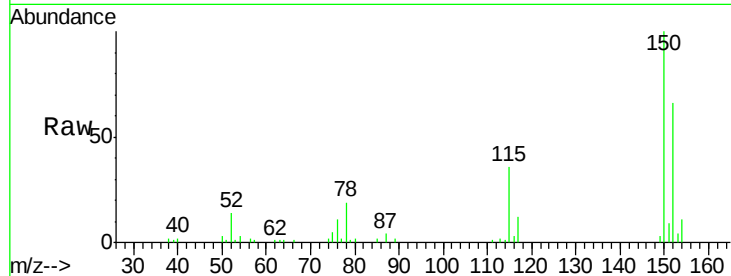


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF088286.D
Acq: 23 Jun 2016 10:21

Instrument :
BNA_F
ClientSampleId :

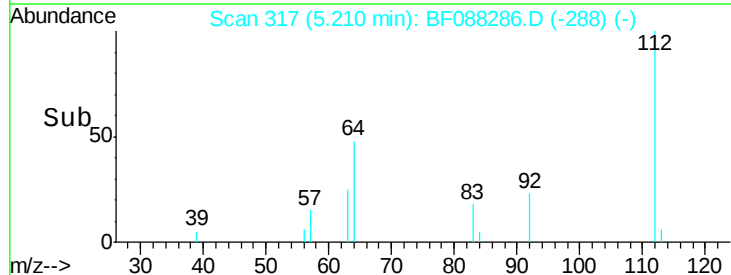
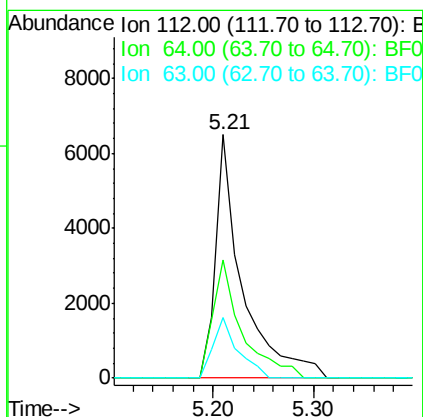
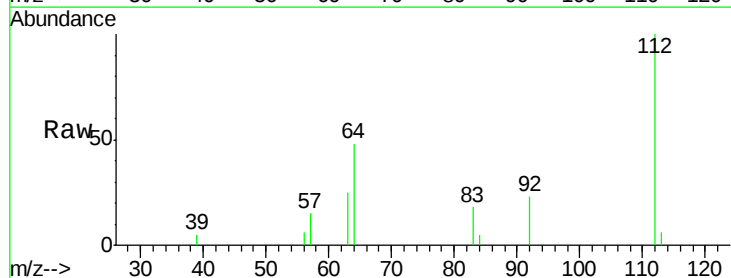
Tot Ion:152 Resp: 20349
Ion Ratio Lower Upper
152 100
150 151.6 123.8 185.6
115 55.2 39.6 59.4

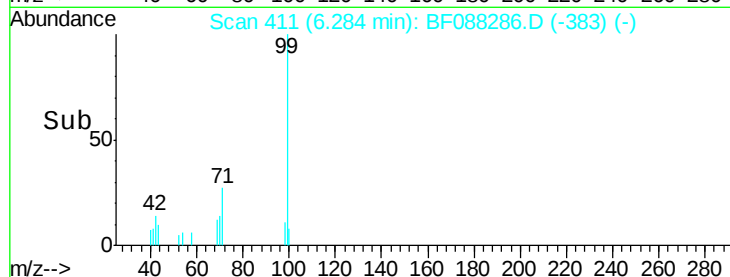
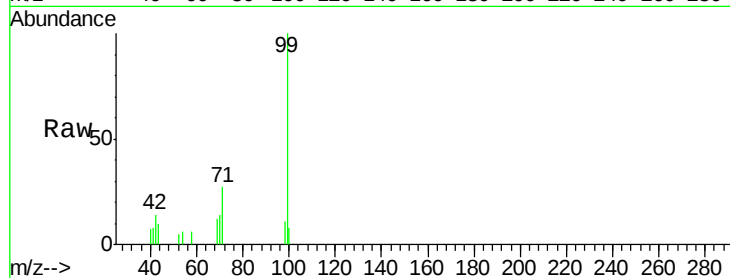


#5

2-Fluorophenol
Concen: 10.08 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.03 min
Lab File: BF088286.D
Acq: 23 Jun 2016 10:21

Tgt Ion:112 Resp: 12003
Ion Ratio Lower Upper
112 100
64 48.4 42.2 63.2
63 25.0 21.8 32.8

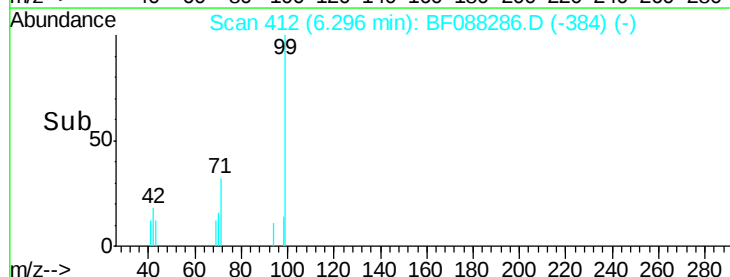
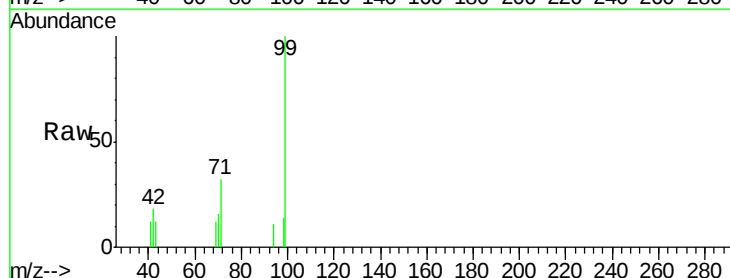
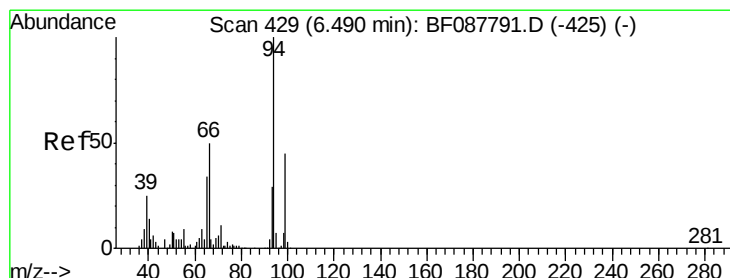
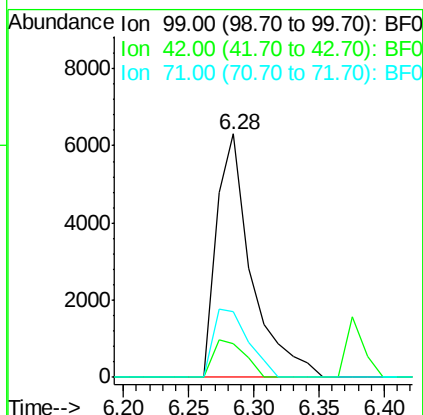




#7
Phenol-d6
Concen: 8.11 ng
RT: 6.28 min Scan# 411
Delta R.T. 0.02 min
Lab File: BF088286.D
Acq: 23 Jun 2016 10:21

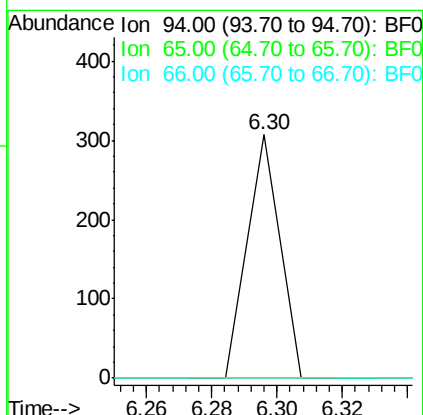
Instrument :
BNA_F
ClientSampleId :

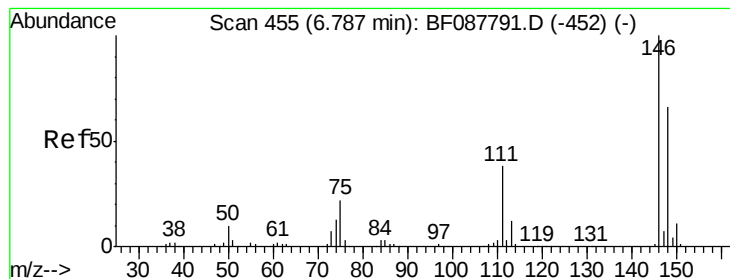
Tot Ion	99	Resp	11704
Ion Ratio	Lower	Upper	
99	100		
42	14.0	12.2	18.2
71	26.7	23.4	35.0



#10
Phenol
Concen: Below Cal
RT: 6.30 min Scan# 412
Delta R.T. 0.02 min
Lab File: BF088286.D
Acq: 23 Jun 2016 10:21

Tgt Ion	94	Resp	211
Ion Ratio	Lower	Upper	
94	100		
65	0.0	5.9	45.9#
66	0.0	14.0	54.0#





#12

1,3-Dichlorobenzene

Concen: 7.87 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.09 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

Instrument :

BNA_F

ClientSampleId :

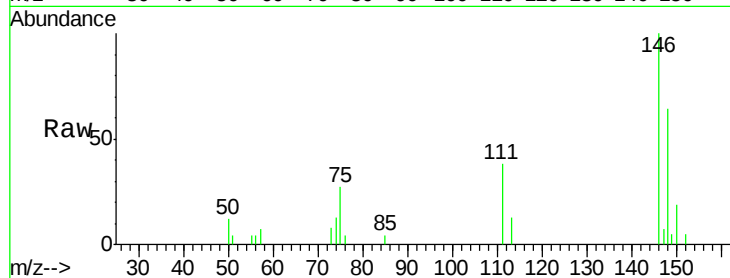
Tot Ion:146 Resp: 11904

Ion Ratio Lower Upper

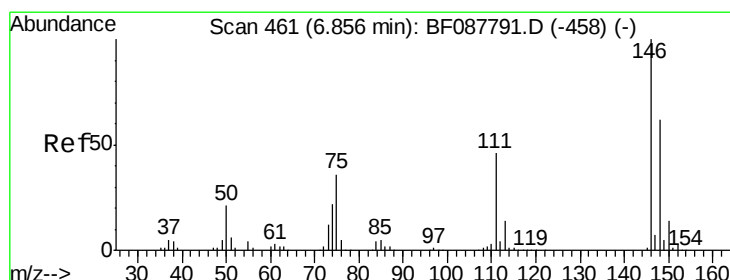
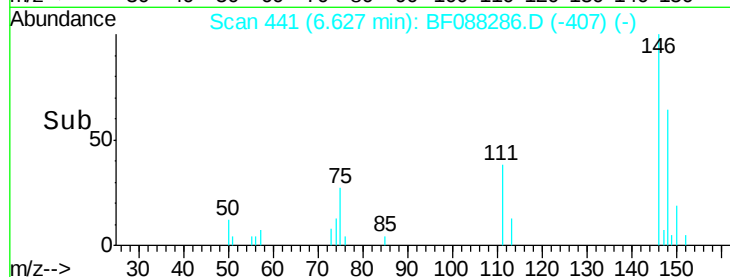
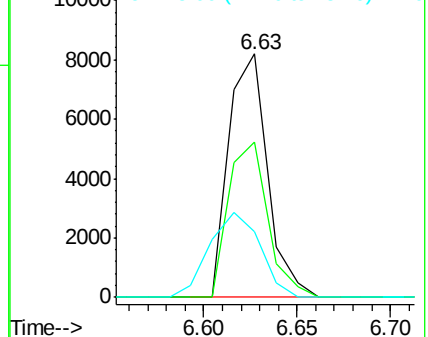
146 100

148 64.0 50.9 76.3

75 27.1 25.6 38.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): E



#13

1,4-Dichlorobenzene

Concen: 7.82 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

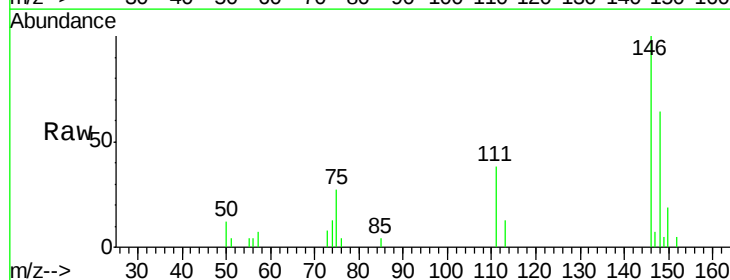
Tgt Ion:146 Resp: 11904

Ion Ratio Lower Upper

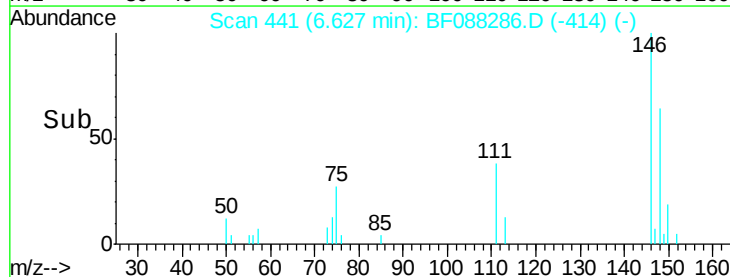
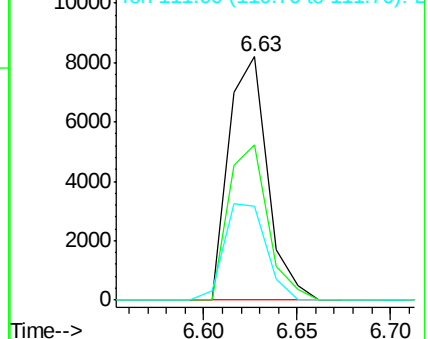
146 100

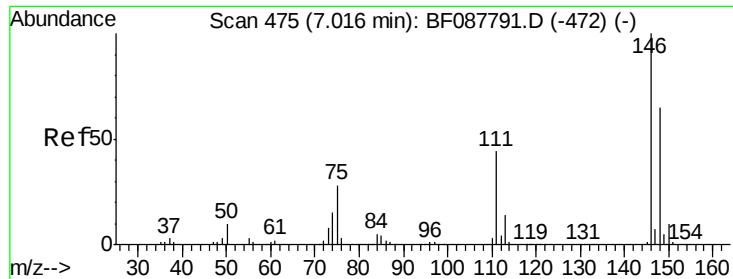
148 64.0 52.0 78.0

111 38.3 33.8 50.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 4.69 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

Instrument :

BNA_F

ClientSampleId :

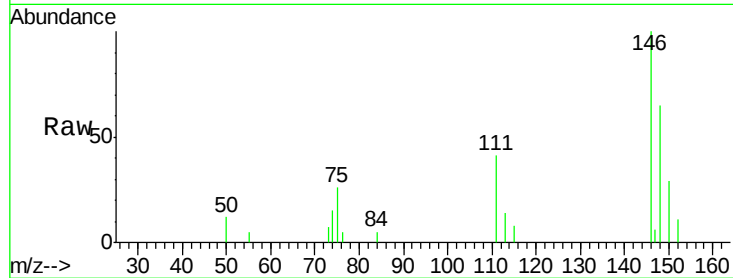
Tot Ion:146 Resp: 6500

Ion Ratio Lower Upper

146 100

148 65.3 52.3 78.5

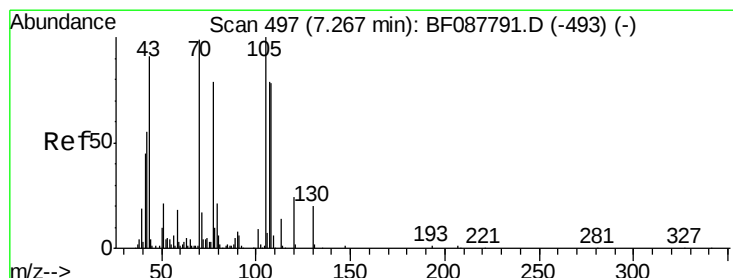
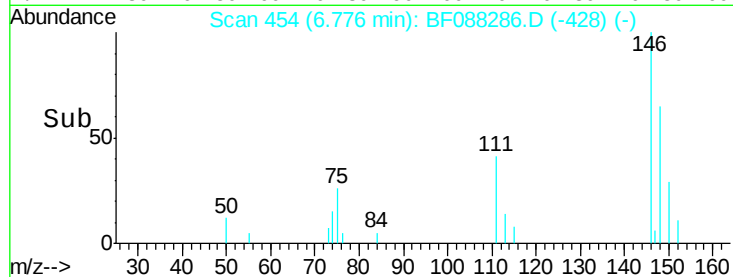
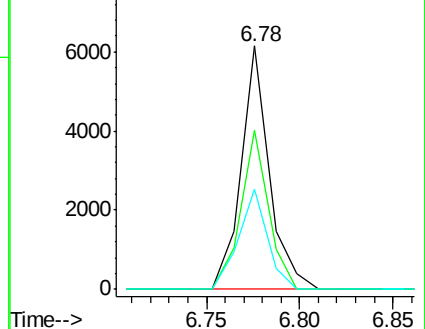
111 41.3 28.7 43.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 2.29 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.14 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

Tgt Ion: 70 Resp: 2112

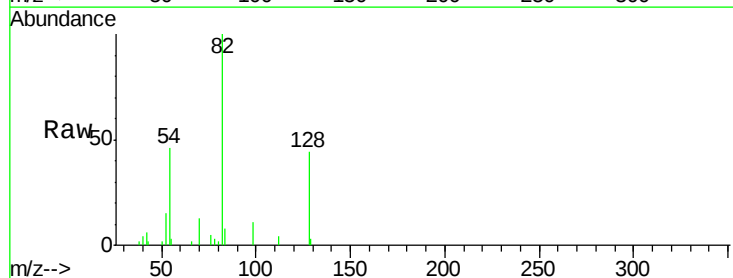
Ion Ratio Lower Upper

70 100

42 43.4 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#

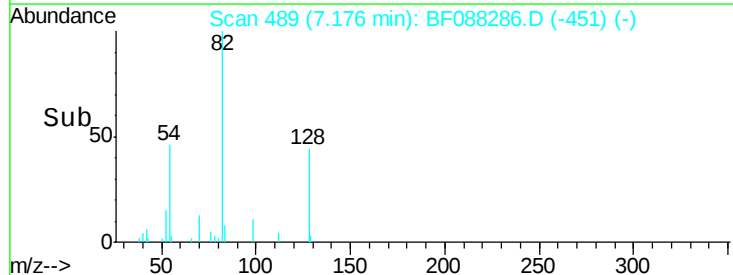
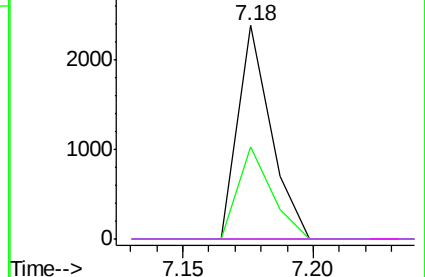


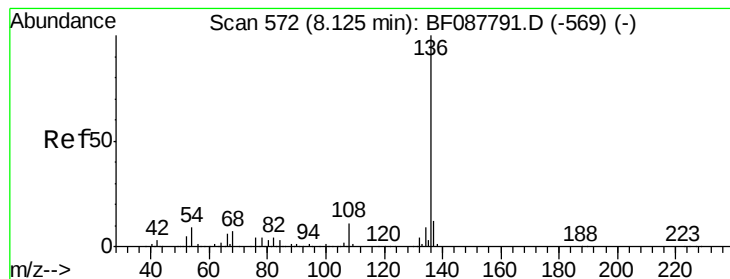
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF088286.D

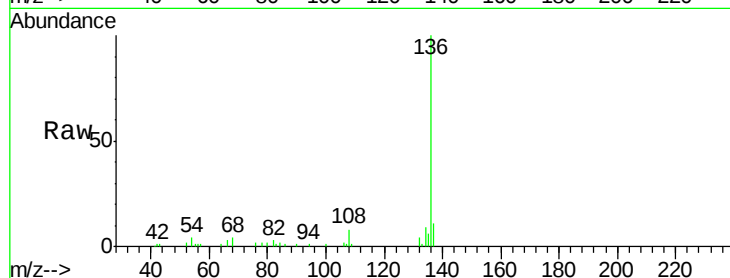
Acq: 23 Jun 2016 10:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	76727
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.1 13.7
54	4.3	6.6 10.0#
68	4.1	5.1 7.7#

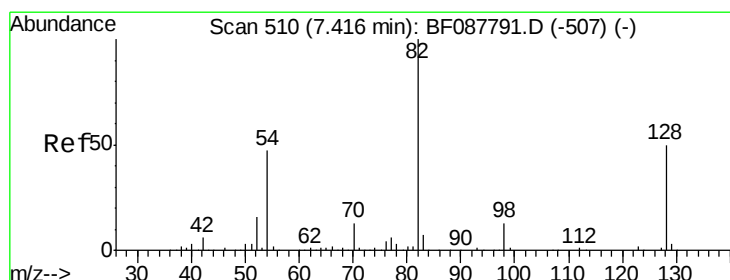
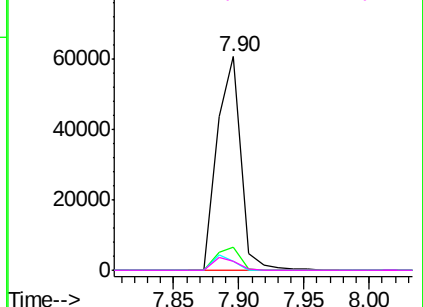
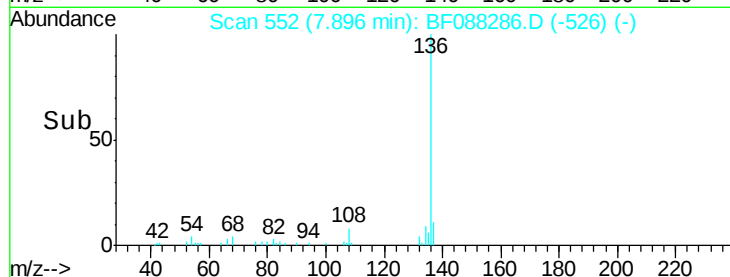


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 14.47 ng

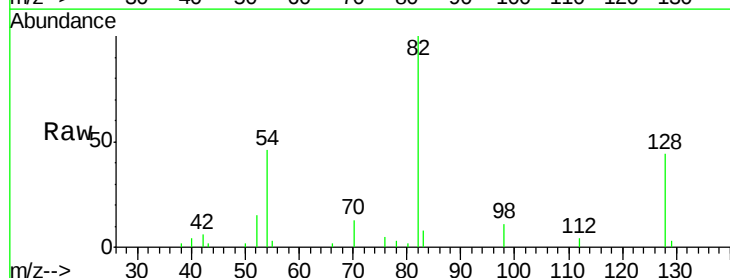
RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

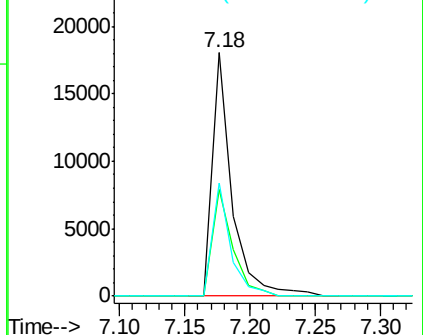
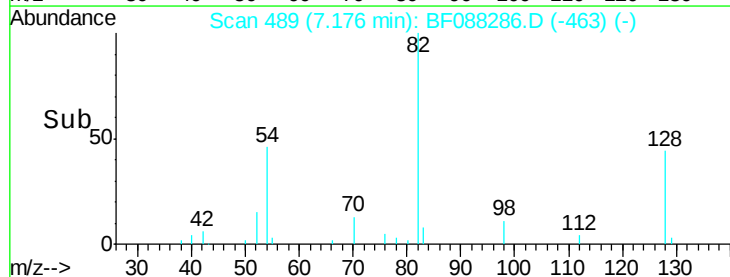
Tgt Ion: 82	Resp:	19013
Ion Ratio	Lower	Upper
82	100	
128	43.8	35.9 53.9
54	46.4	40.9 61.3

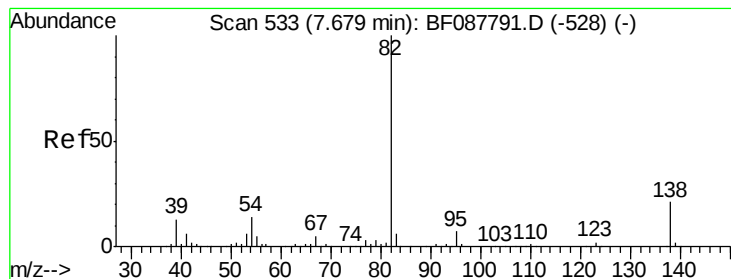


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.81 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

Instrument :

BNA_F

ClientSampled :

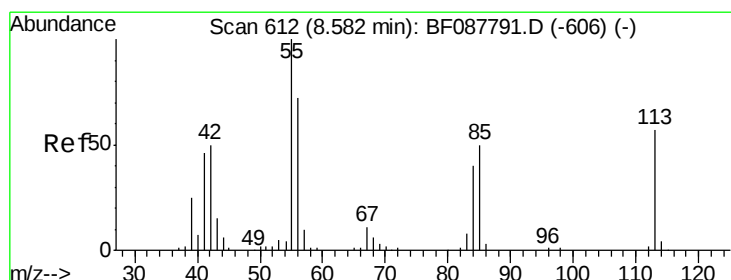
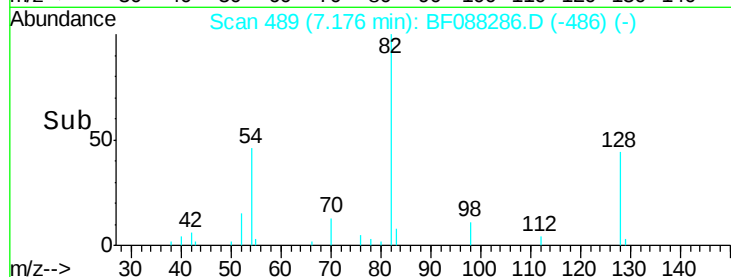
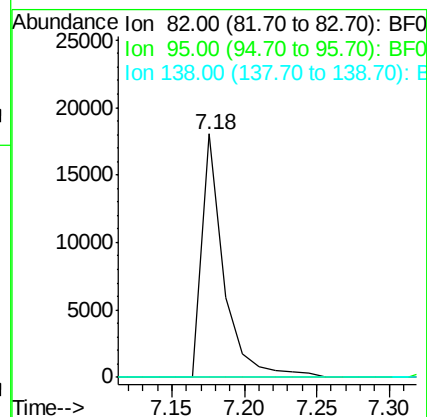
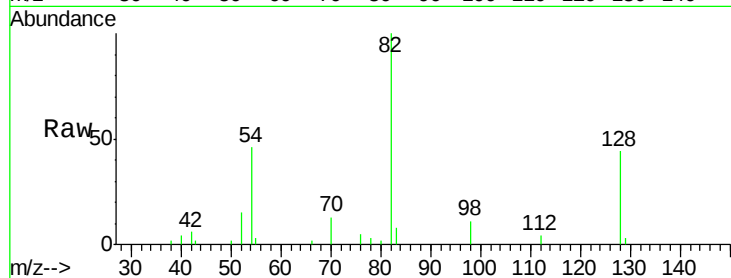
Tot Ion: 82 Resp: 19016

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#35

Caprolactam

Concen: 5.56 ng

RT: 8.44 min Scan# 600

Delta R.T. 0.08 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

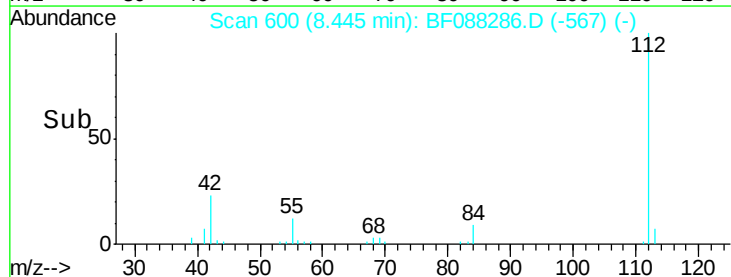
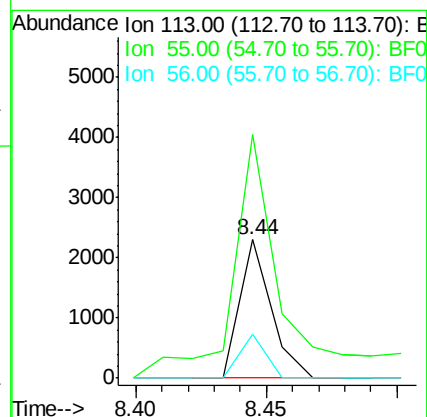
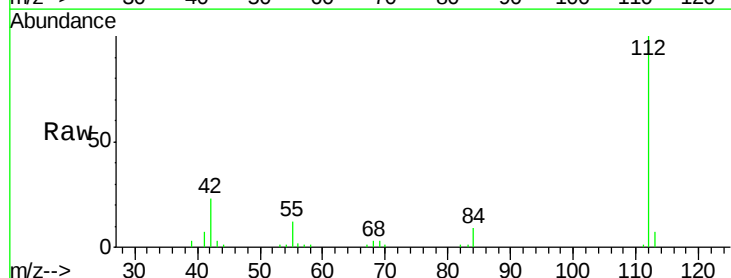
Tgt Ion: 113 Resp: 1931

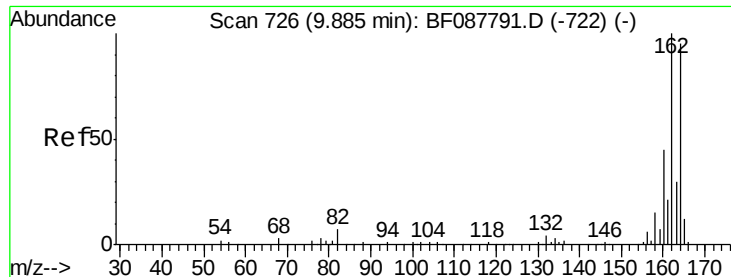
Ion Ratio Lower Upper

113 100

55 175.7 158.6 198.6

56 31.9 110.6 150.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

Instrument :

BNA_F

ClientSampleId :

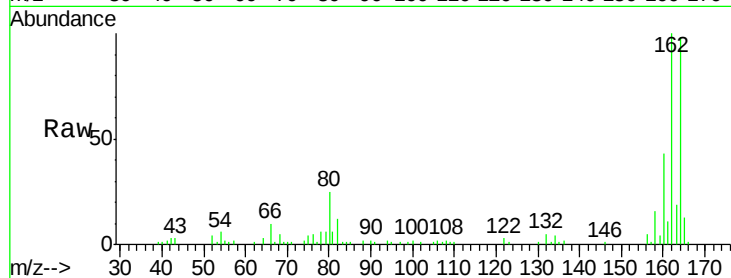
Tot Ion:164 Resp: 33778

Ion Ratio Lower Upper

164 100

162 102.4 85.4 128.2

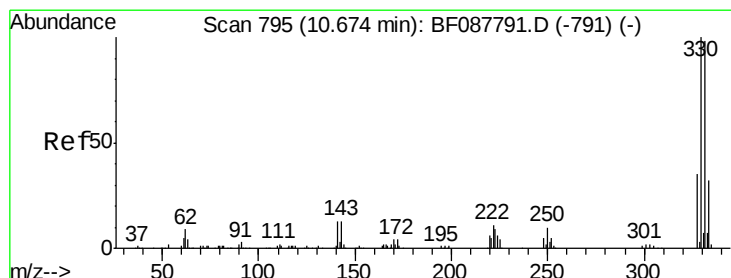
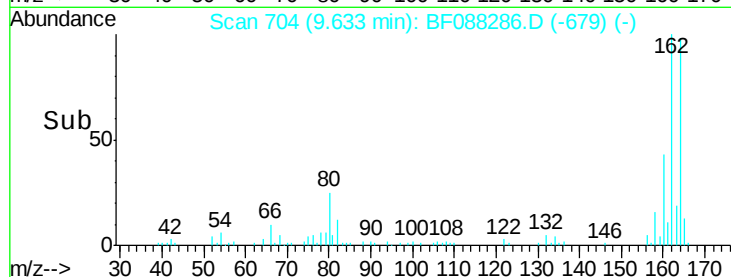
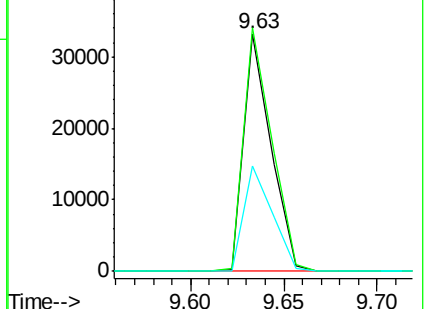
160 44.4 39.5 59.3



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: 21.76 ng

RT: 10.43 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

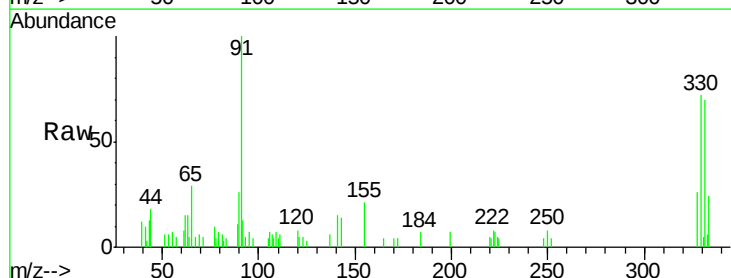
Tgt Ion:330 Resp: 7762

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

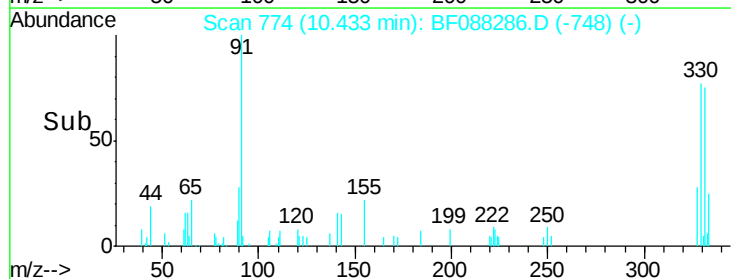
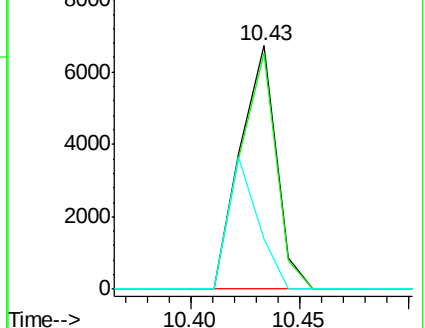
141 44.9 0.0 0.0#

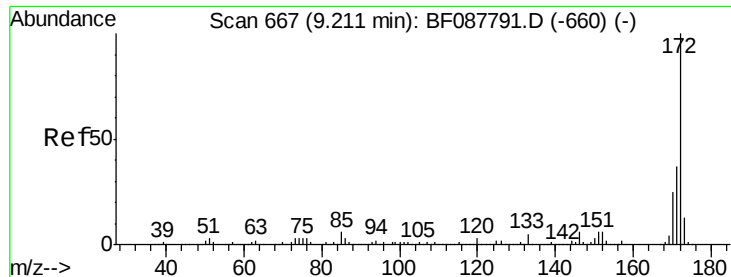


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

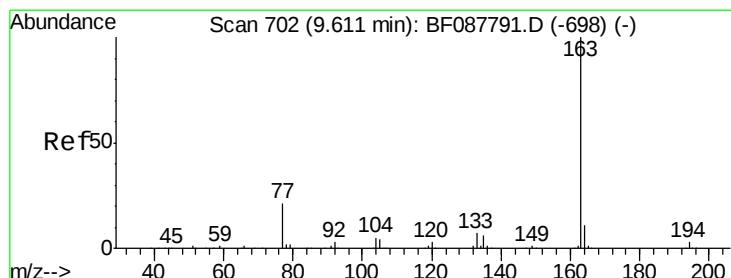
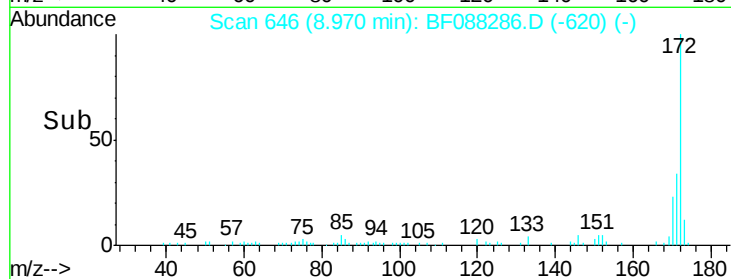
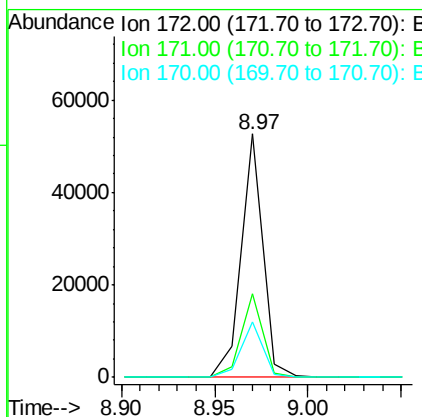
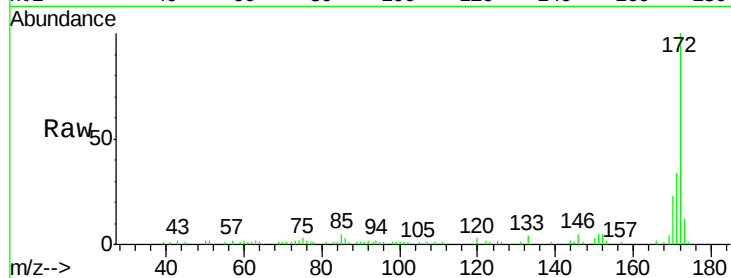




#44
2-Fluorobiphenyl
Concen: 15.54 ng
RT: 8.97 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF088286.D
Acq: 23 Jun 2016 10:21

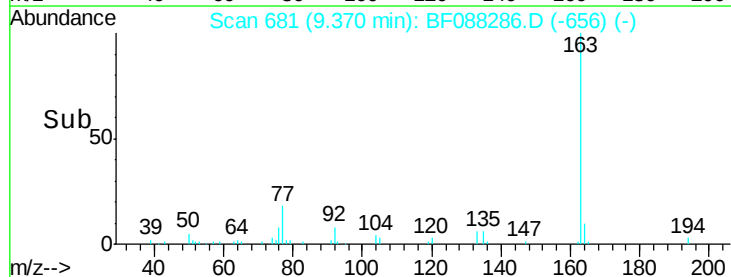
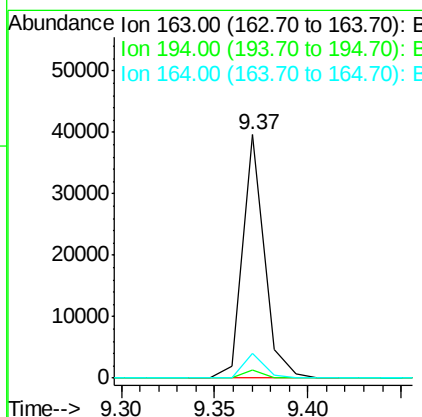
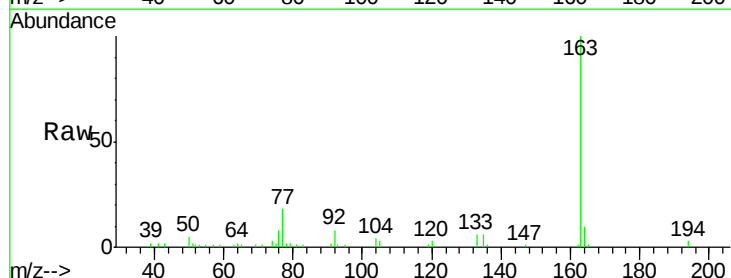
Instrument :
BNA_F
ClientSampleId :

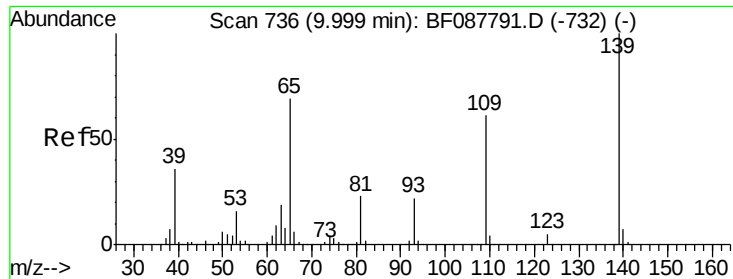
Tot Ion:172 Resp: 43153
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 22.7 19.2 28.8



#49
Dimethylphthalate
Concen: 13.11 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF088286.D
Acq: 23 Jun 2016 10:21

Tgt Ion:163 Resp: 32072
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 10.3 8.3 12.5

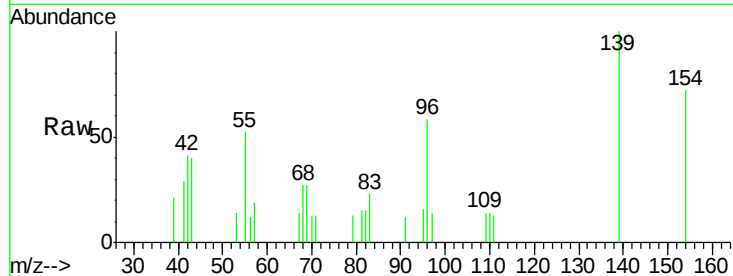




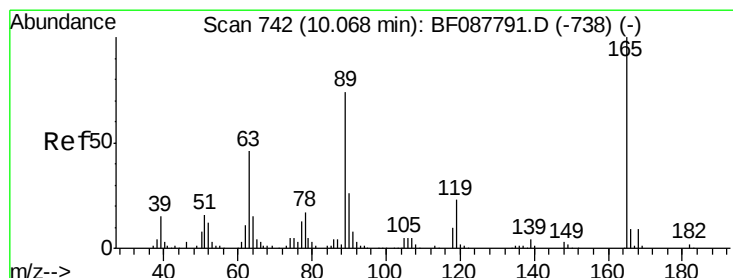
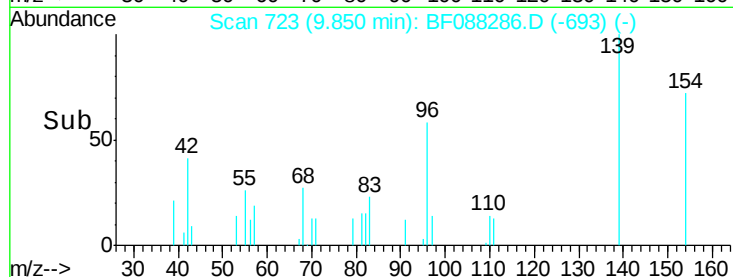
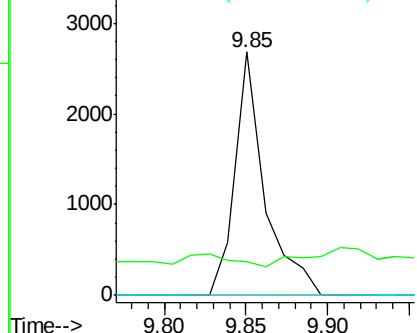
#55
4-Nitrophenol
Concen: 6.72 ng
RT: 9.85 min Scan# 723
Delta R.T. 0.05 min
Lab File: BF088286.D
Acq: 23 Jun 2016 10:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 3370
Ion Ratio Lower Upper
139 100
109 13.8 48.9 88.9#
65 0.0 84.9 124.9#

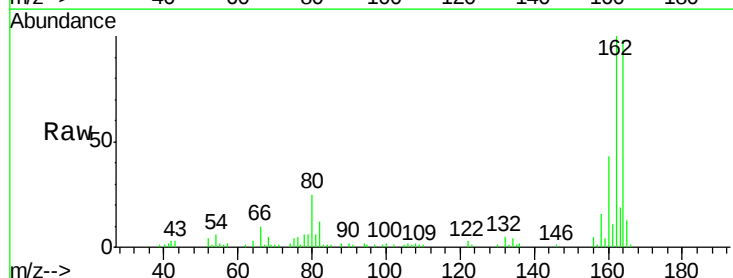


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

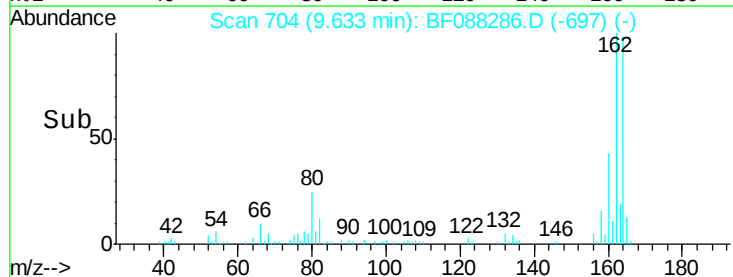
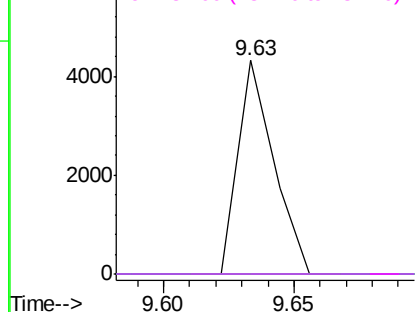


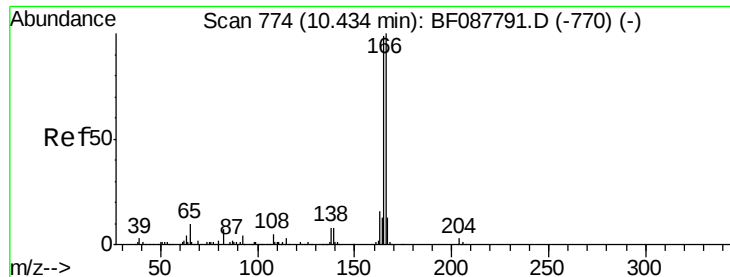
#56
2,4-Dinitrotoluene
Concen: 5.78 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.22 min
Lab File: BF088286.D
Acq: 23 Jun 2016 10:21

Tgt Ion:165 Resp: 4164
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.42 min Scan# 773

Delta R.T. 0.23 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

Instrument :

BNA_F

ClientSampled :

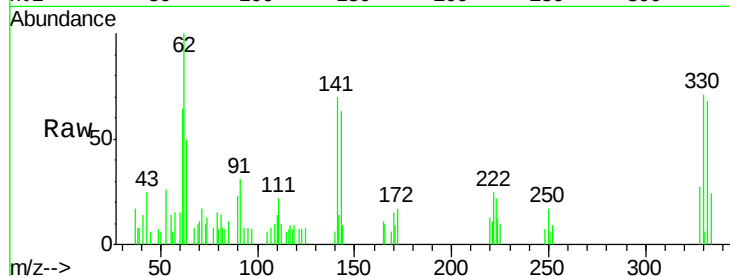
Tot Ion:166 Resp: 368

Ion Ratio Lower Upper

166 100

165 103.7 77.8 116.8

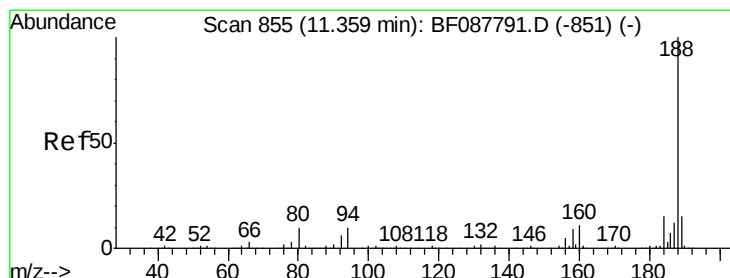
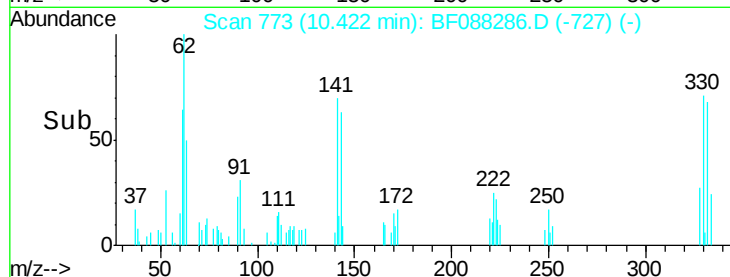
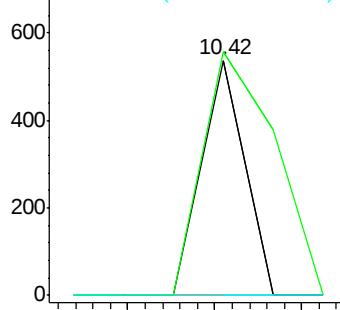
167 0.0 11.2 16.8#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

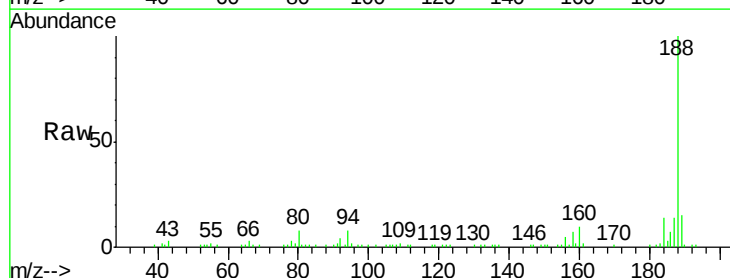
Tgt Ion:188 Resp: 49308

Ion Ratio Lower Upper

188 100

94 7.9 9.0 13.6#

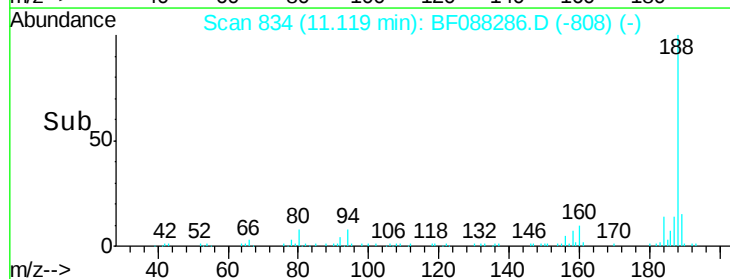
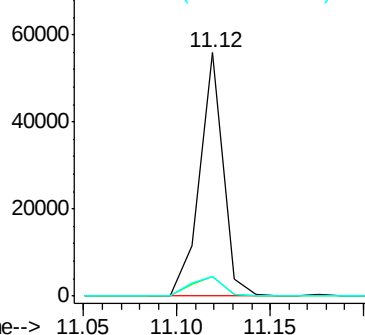
80 8.1 10.0 15.0#

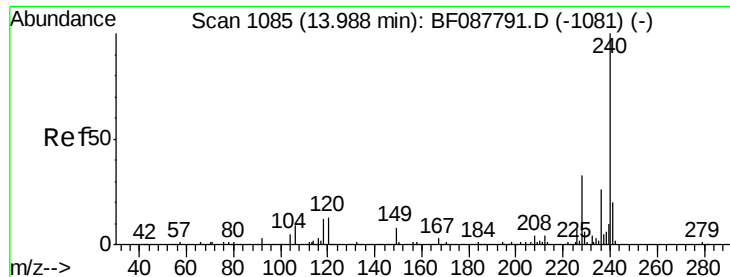


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

Instrument :

BNA_F

ClientSampleId :

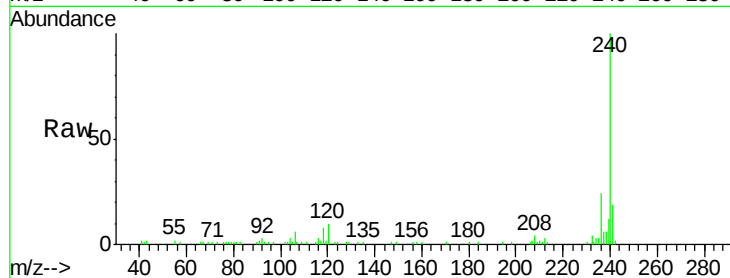
Tot Ion:240 Resp: 43771

Ion Ratio Lower Upper

240 100

120 9.9 6.8 10.2

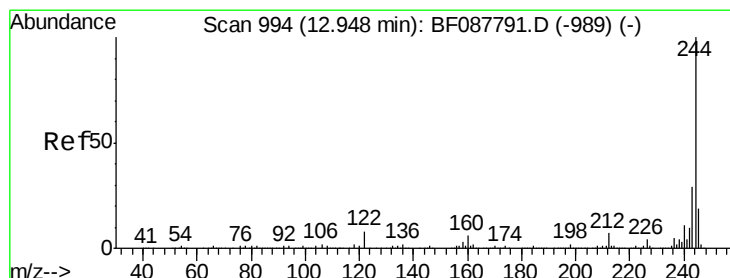
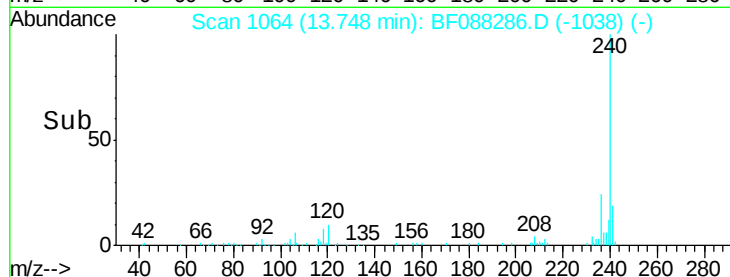
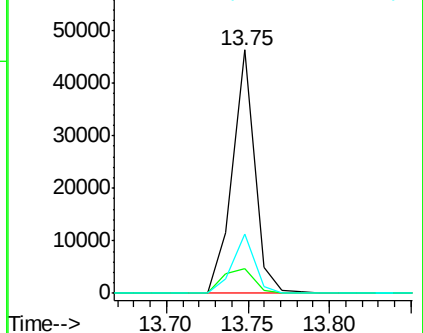
236 24.4 20.2 30.2



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: 19.28 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF088286.D

Acq: 23 Jun 2016 10:21

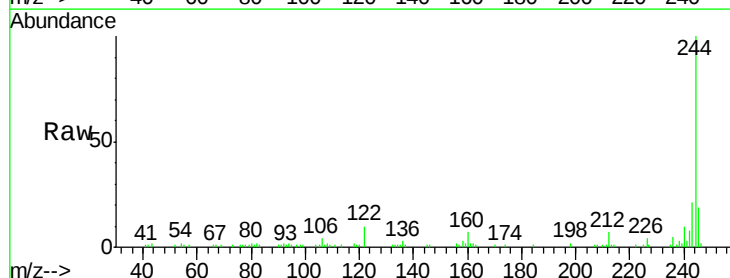
Tgt Ion:244 Resp: 37089

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

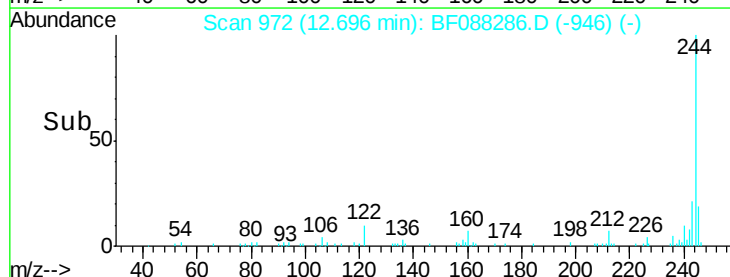
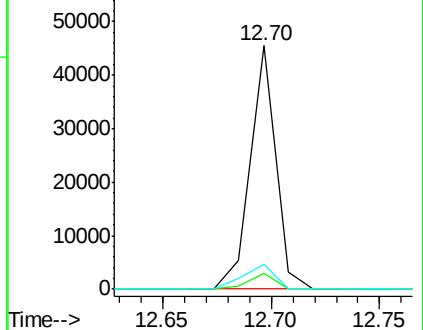
122 10.3 11.2 16.8#

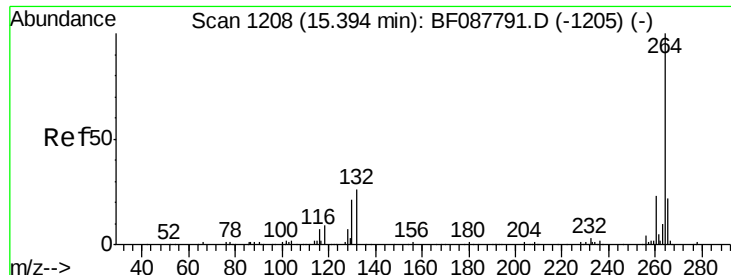


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



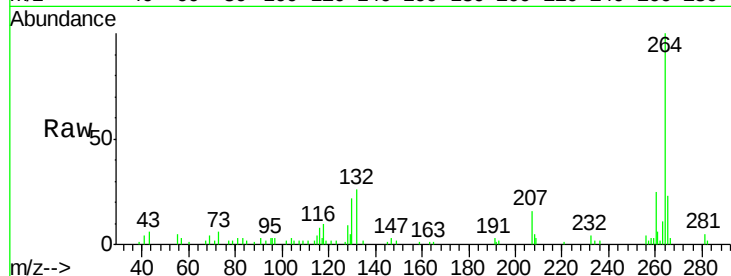


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF088286.D
Acq: 23 Jun 2016 10:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 32166

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.9	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

