

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086745.D
 Acq On : 7 May 2016 1:21
 Operator : UM/SJ
 Sample : H2770-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:29:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

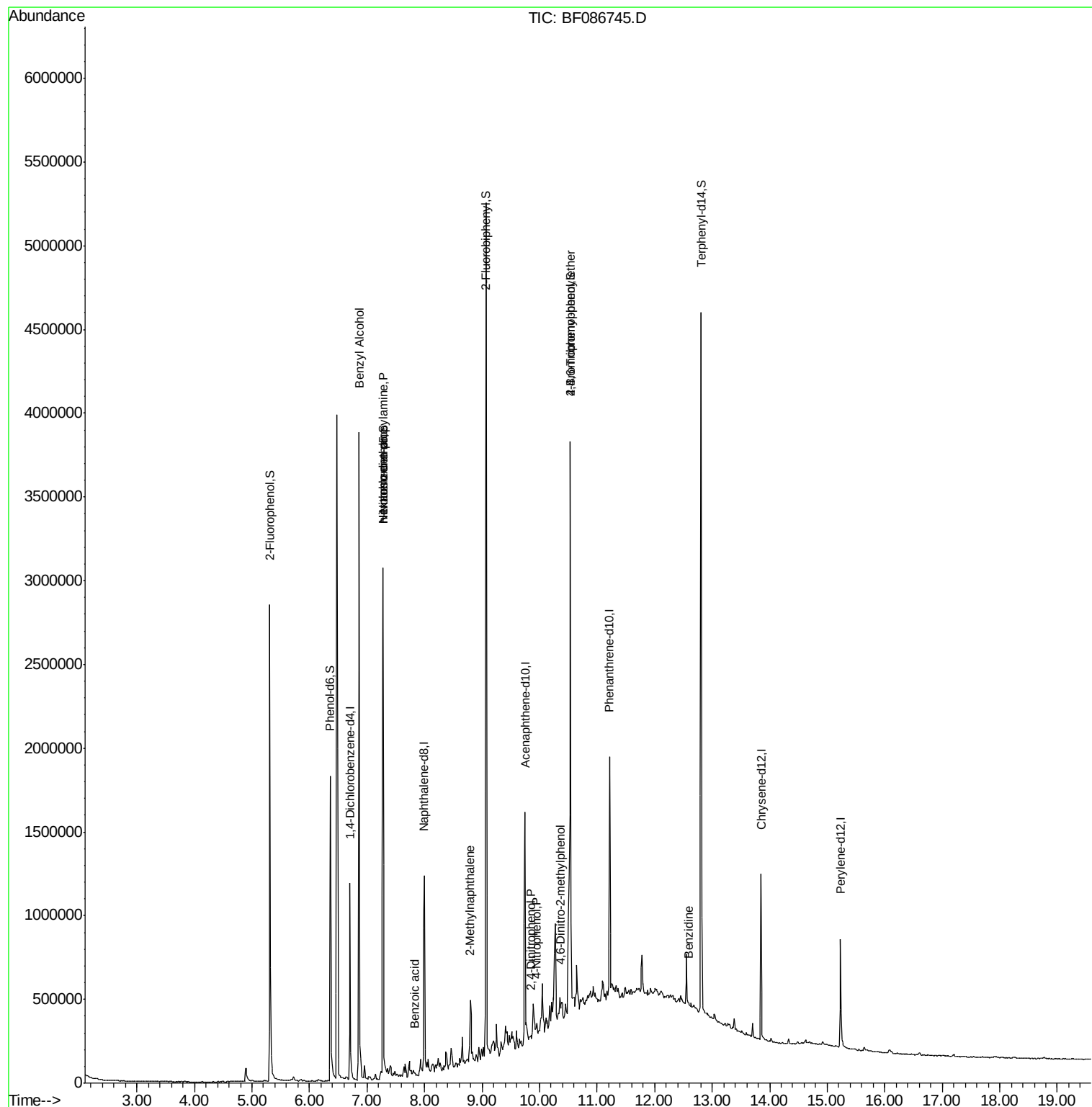
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	169419	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	688287	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	310698	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	489655	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	353880	40.00	ng	-0.01
86) Perylene-d12	15.23	264	289512	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	722618	70.61	ng	-0.01
7) Phenol-d6	6.36	99	625538	45.38	ng	-0.02
23) Nitrobenzene-d5	7.28	82	1194997	89.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	396564	130.48	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1762352	92.98	ng	-0.01
78) Terphenyl-d14	12.81	244	1322491	75.53	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.86	79	23577	2.64	ng	# 38
18) Hexachloroethane	7.28	117	41420	8.14	ng	# 10
19) n-Nitroso-di-n-propylamine	7.28	70	173302	18.40	ng	# 72
32) Benzoic acid	7.82	122	575	8.53	ng	# 1
37) 2-Methylnaphthalene	8.80	142	119018	5.74	ng	# 93
53) 2,4-Dinitrophenol	9.85	184	212	8.99	ng	# 1
55) 4-Nitrophenol	9.95	139	11011	3.34	ng	# 58
64) 4,6-Dinitro-2-methylphenol	10.36	198	616	5.49	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	24695	5.08	ng	# 1
76) Benzidine	12.59	184	731	7.16	ng	# 1

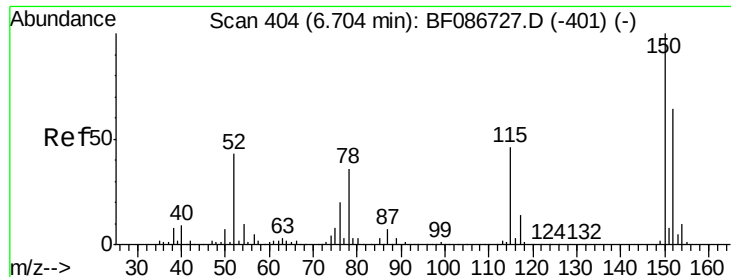
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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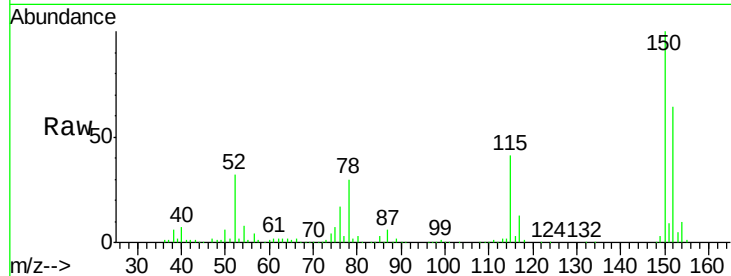


#1

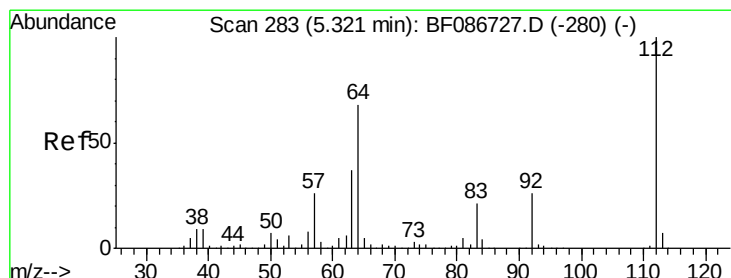
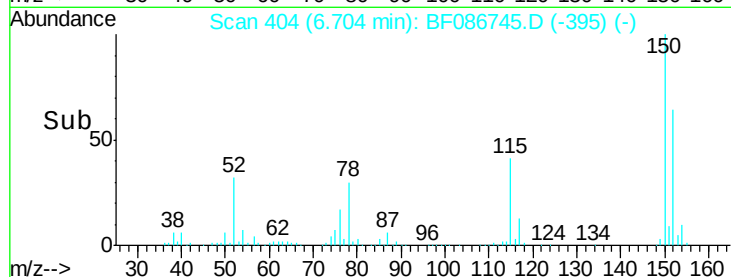
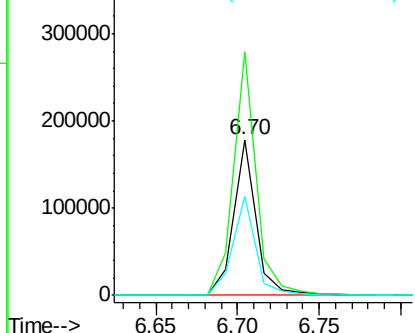
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF086745.D
Acq: 7 May 2016 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169419
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 63.4 51.5 77.3



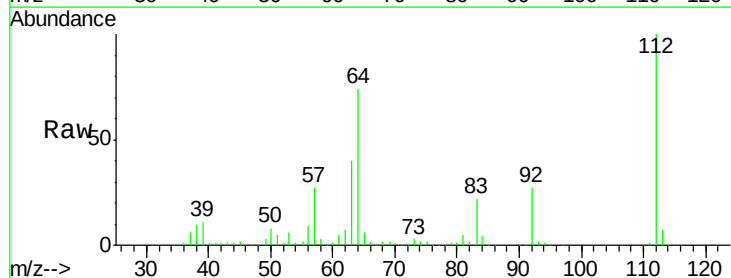
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



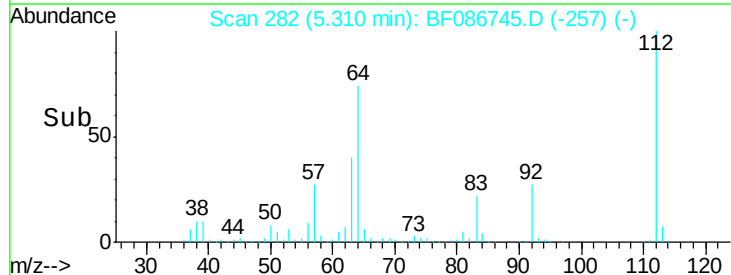
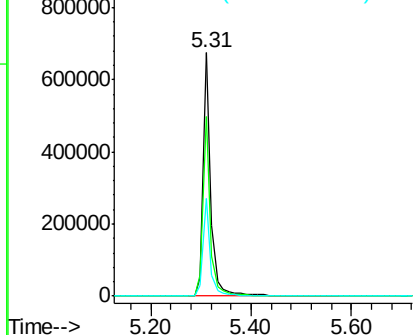
#5

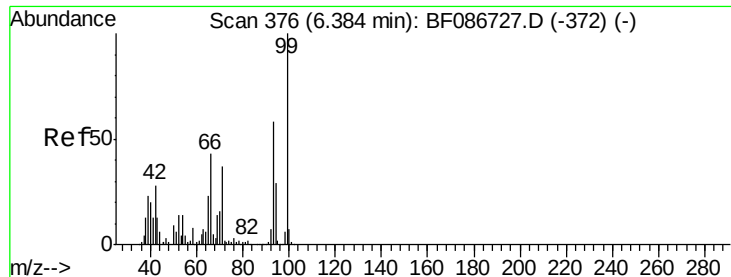
2-Fluorophenol
Concen: 70.61 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086745.D
Acq: 7 May 2016 1:21

Tgt Ion:112 Resp: 722618
Ion Ratio Lower Upper
112 100
64 73.6 52.1 78.1
63 40.2 25.7 38.5#



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: 45.38 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

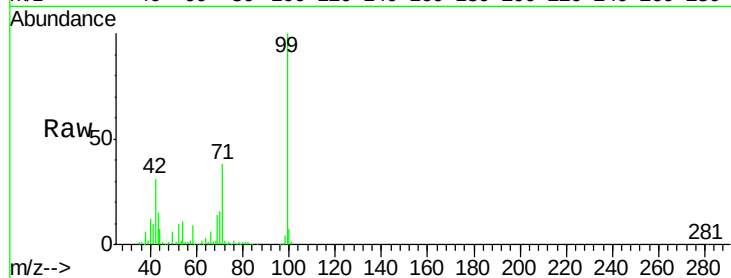
Tot Ion: 99 Resp: 625538

Ion Ratio Lower Upper

99 100

42 30.9 13.6 20.4#

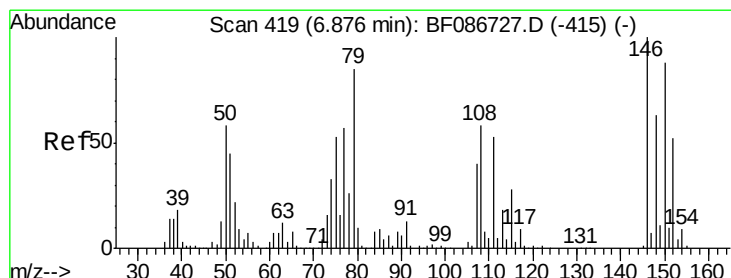
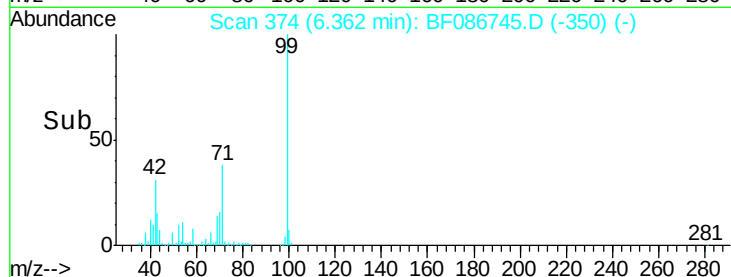
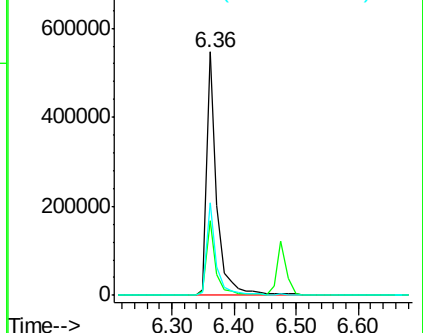
71 38.1 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.64 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

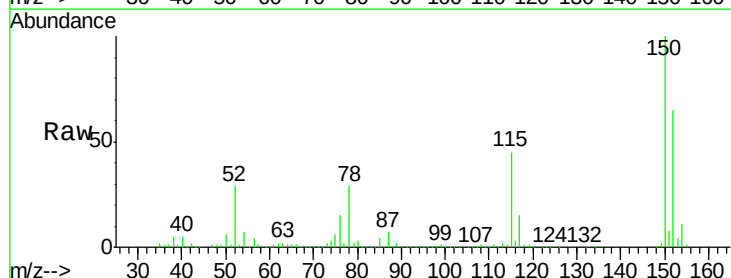
Tgt Ion: 79 Resp: 23577

Ion Ratio Lower Upper

79 100

108 36.7 68.4 102.6#

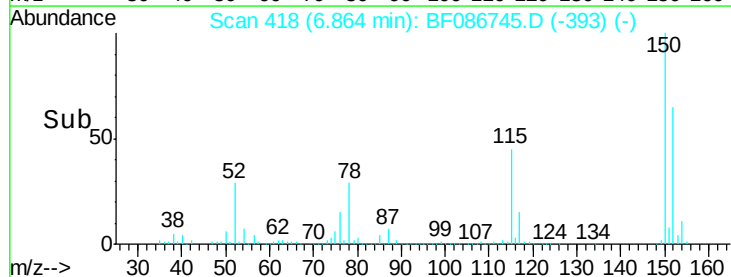
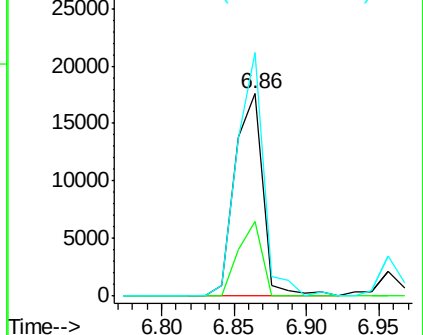
77 120.5 50.6 76.0#

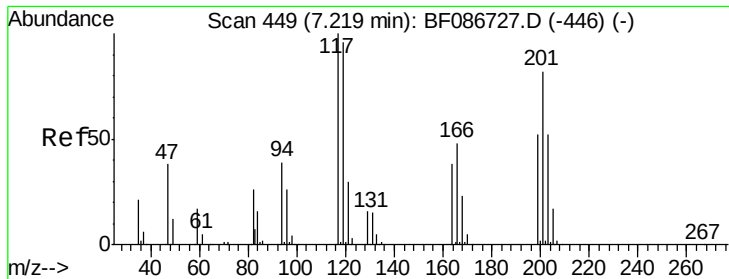


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 8.14 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.06 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

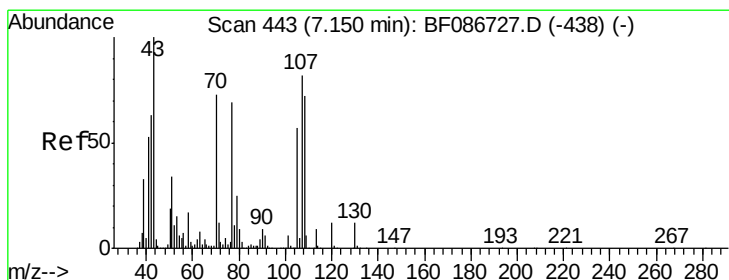
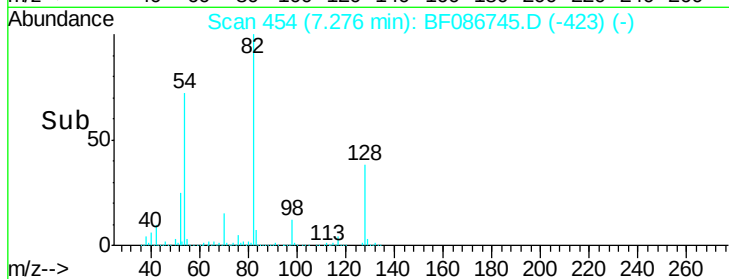
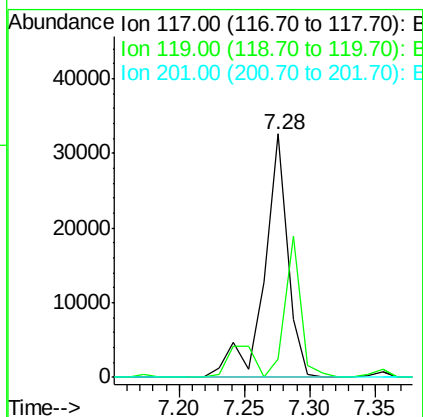
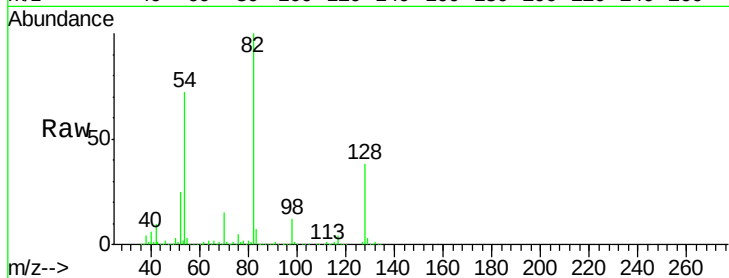
Tot Ion:117 Resp: 41420

Ion Ratio Lower Upper

117 100

119 7.6 76.5 114.7#

201 0.0 63.0 94.6#



#19

n-Nitroso-di-n-propylamine

Concen: 18.40 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

Tgt Ion: 70 Resp: 173302

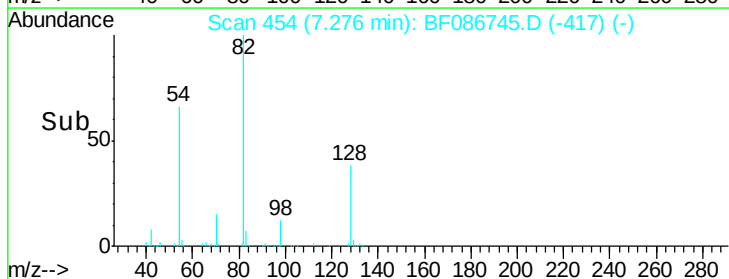
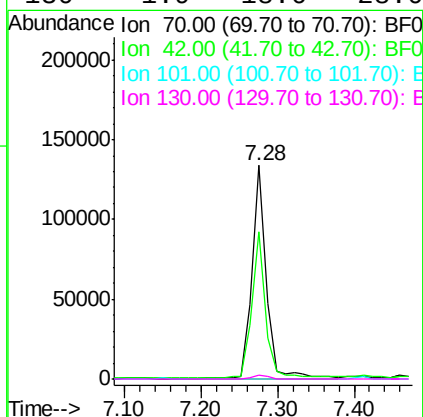
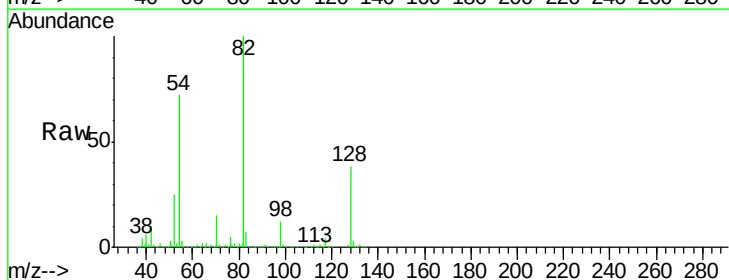
Ion Ratio Lower Upper

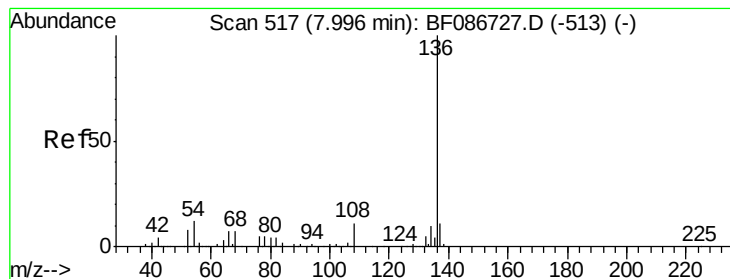
70 100

42 68.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#





#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 688287

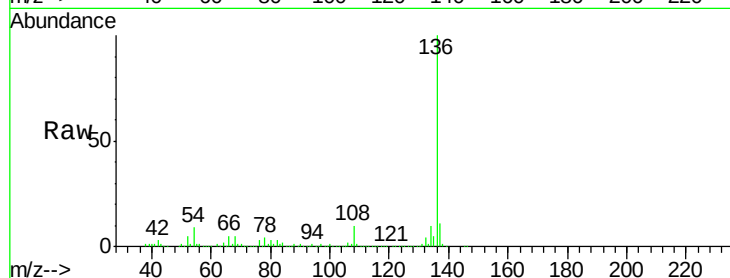
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.9 5.0 7.4#

68 5.0 4.4 6.6

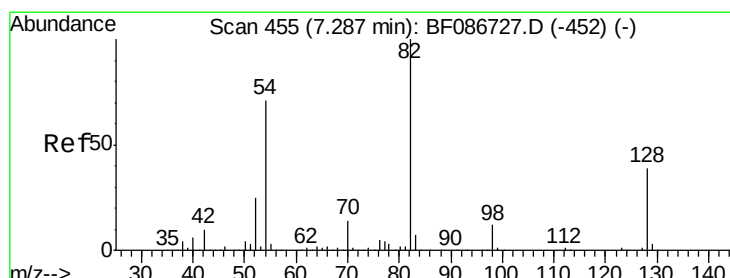
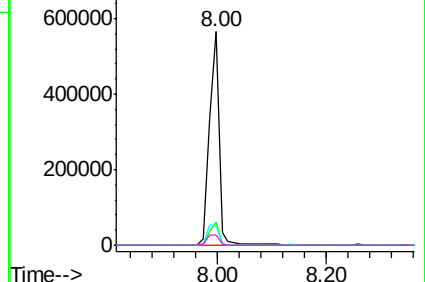
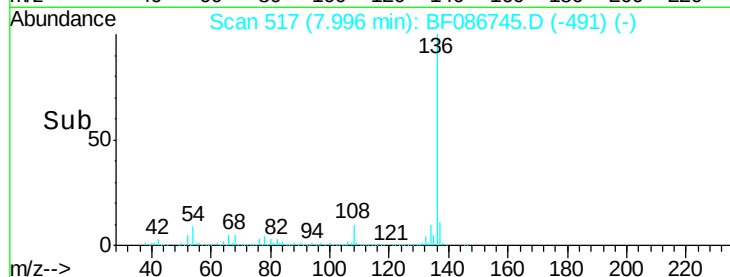


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 89.22 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

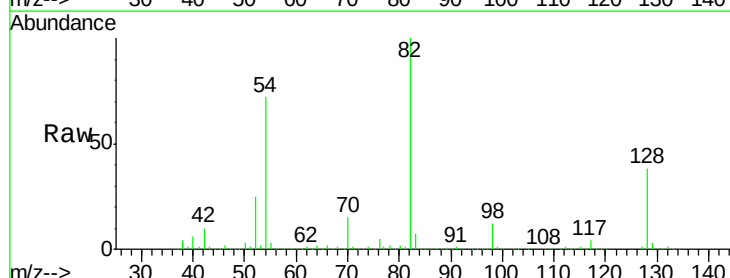
Tgt Ion: 82 Resp: 1194997

Ion Ratio Lower Upper

82 100

128 38.3 40.6 61.0#

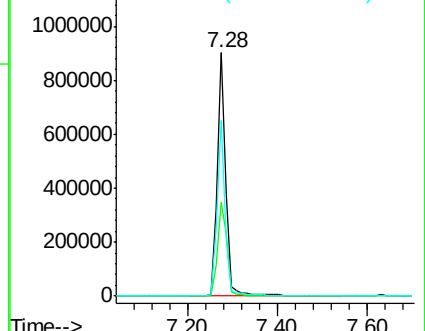
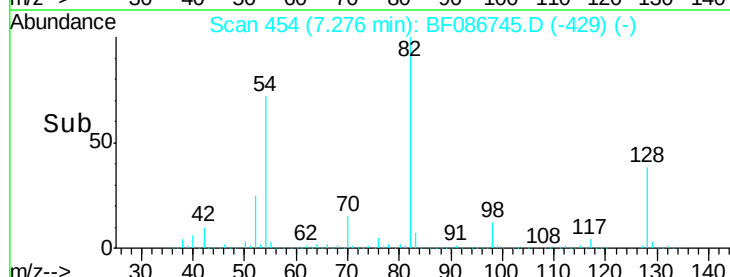
54 72.1 38.1 57.1#

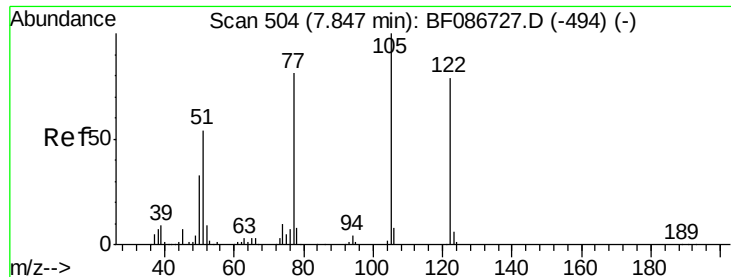


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

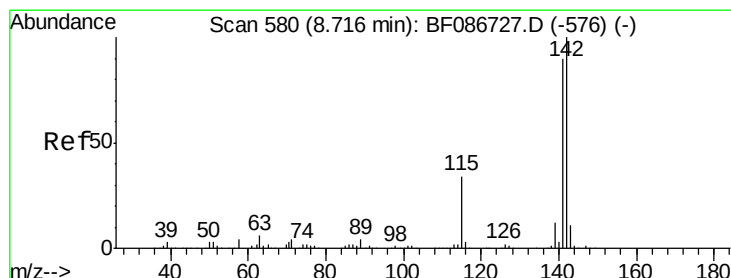
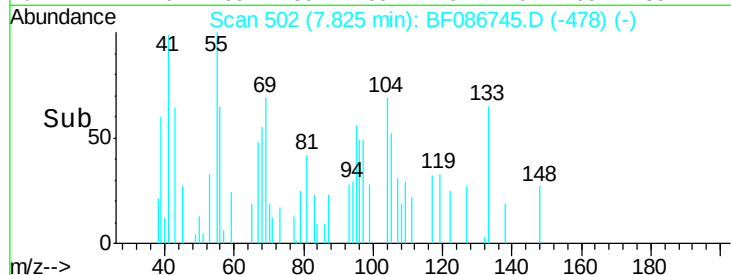
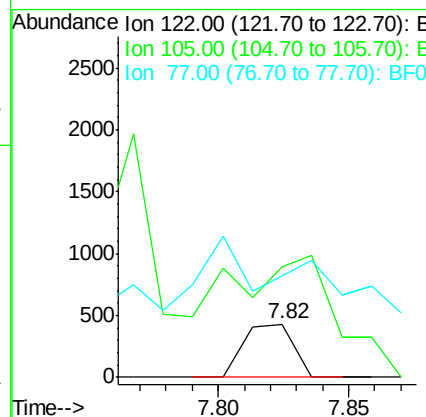
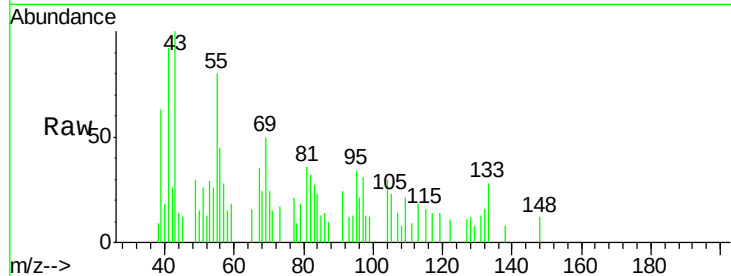




#32
Benzoic acid
Concen: 8.53 ng
RT: 7.82 min Scan# 502
Delta R.T. -0.02 min
Lab File: BF086745.D
Acq: 7 May 2016 1:21

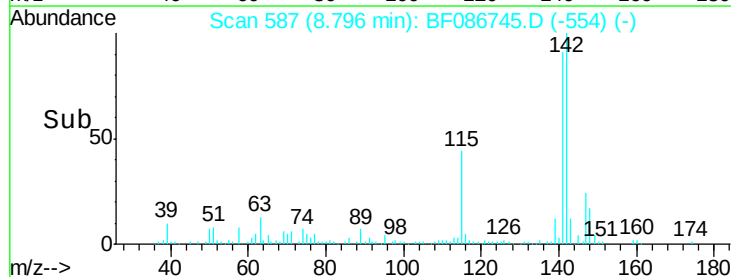
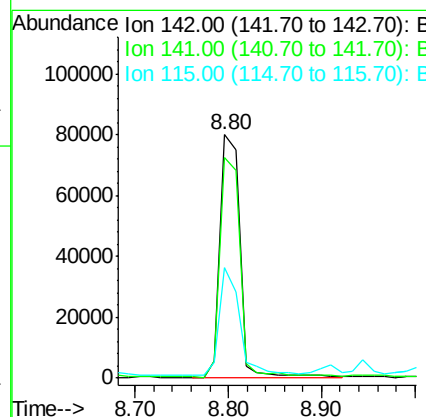
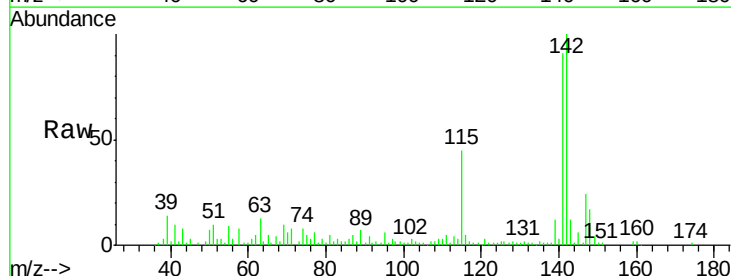
Instrument :
BNA_F
ClientSampleId :

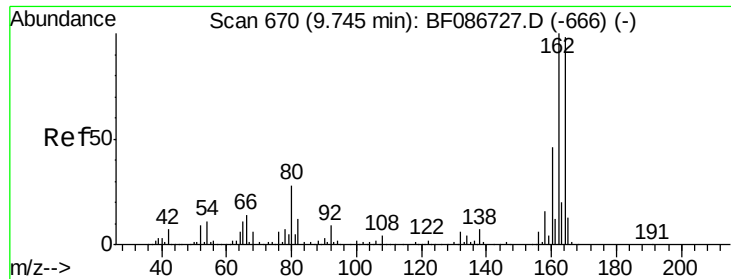
Tot Ion	Ratio	Lower	Upper
122	100		
105	207.5	92.6	132.6#
77	190.2	60.0	100.0#



#37
2-Methylnaphthalene
Concen: 5.74 ng
RT: 8.80 min Scan# 587
Delta R.T. 0.08 min
Lab File: BF086745.D
Acq: 7 May 2016 1:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.0	106.6
115	45.2	26.6	39.8#





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

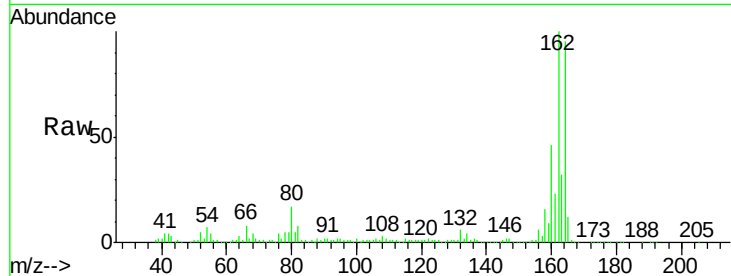
Tot Ion:164 Resp: 310698

Ion Ratio Lower Upper

164 100

162 105.2 82.8 124.2

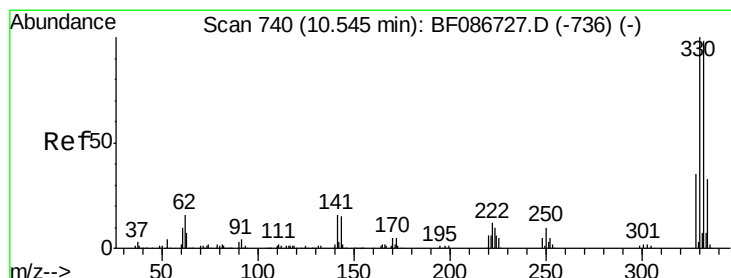
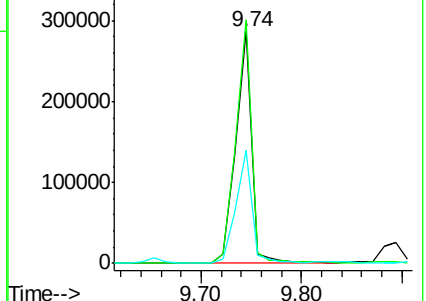
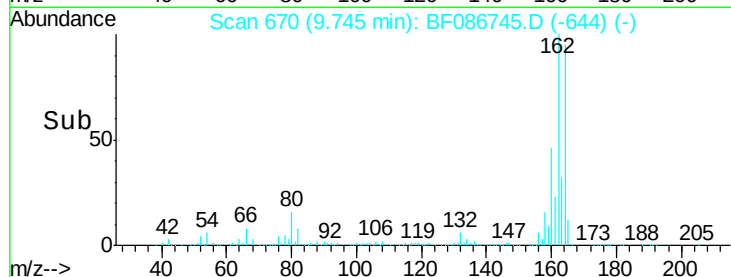
160 48.9 36.9 55.3



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: 130.48 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

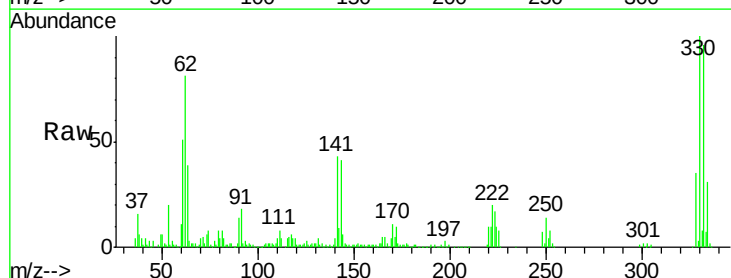
Tgt Ion:330 Resp: 396564

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

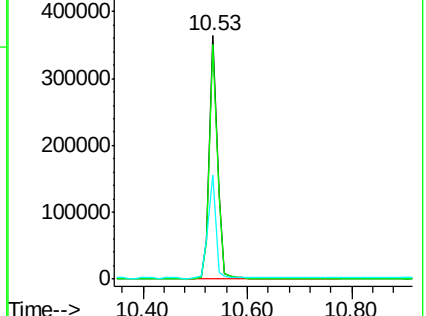
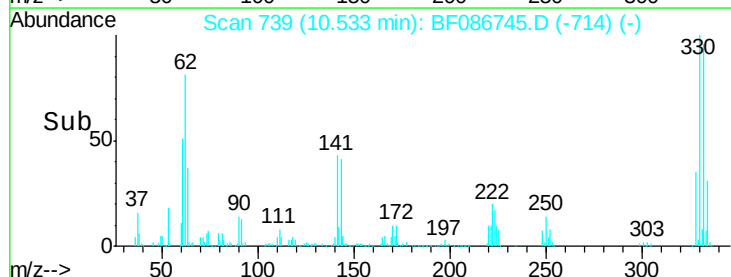
141 40.6 31.2 46.8

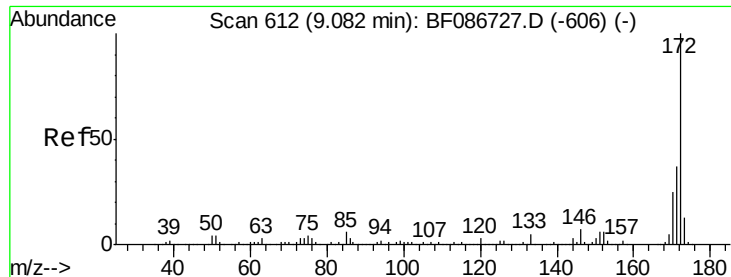


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

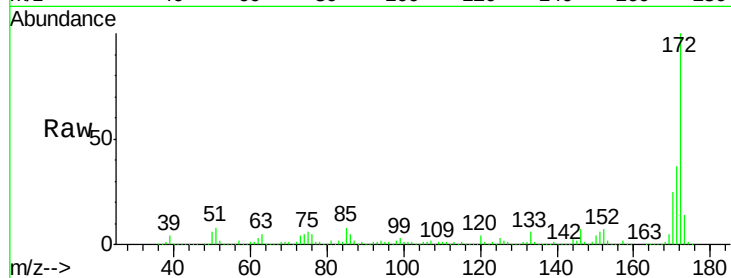




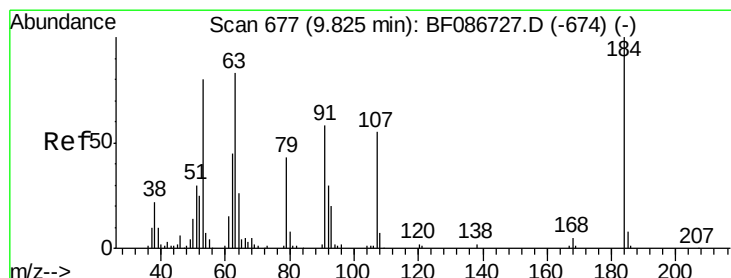
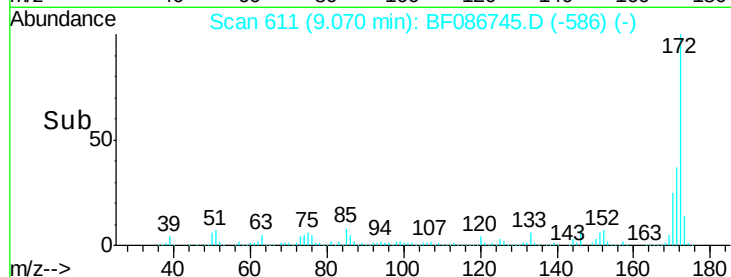
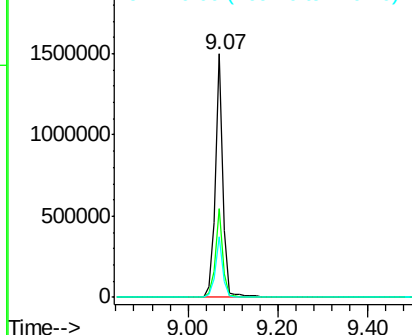
#44
 2-Fluorobiphenyl
 Concen: 92.98 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086745.D
 Acq: 7 May 2016 1:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1762352
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 25.0 19.8 29.8

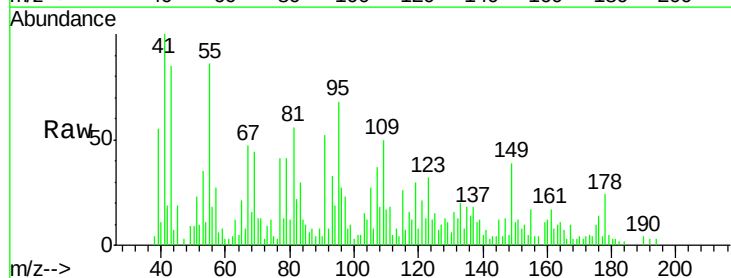


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

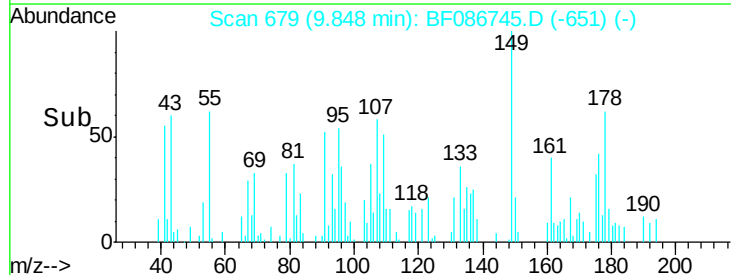
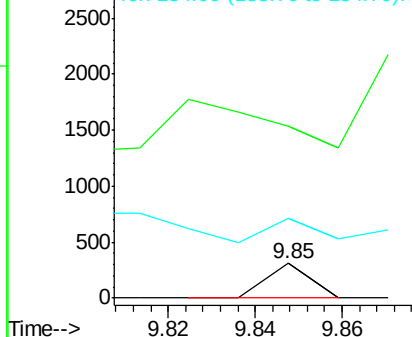


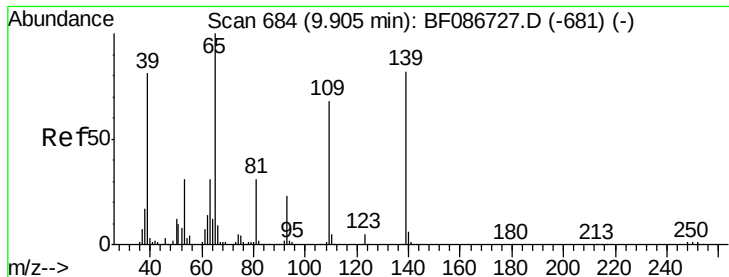
#53
 2,4-Dinitrophenol
 Concen: 8.99 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: BF086745.D
 Acq: 7 May 2016 1:21

Tgt Ion:184 Resp: 212
 Ion Ratio Lower Upper
 184 100
 63 497.7 55.8 83.8#
 154 229.1 62.4 93.6#



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





#55

4-Nitrophenol

Concen: 3.34 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.05 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

Instrument :

BNA_F

ClientSampled :

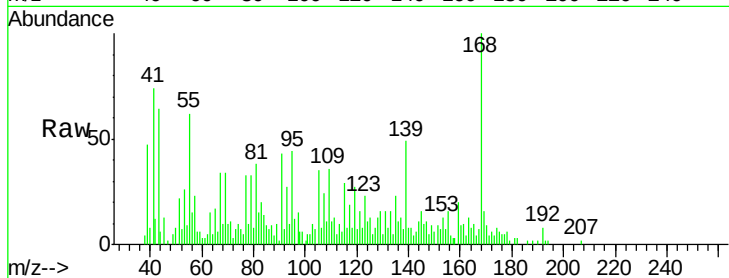
Tot Ion:139 Resp: 11011

Ion Ratio Lower Upper

139 100

109 74.4 36.9 76.9

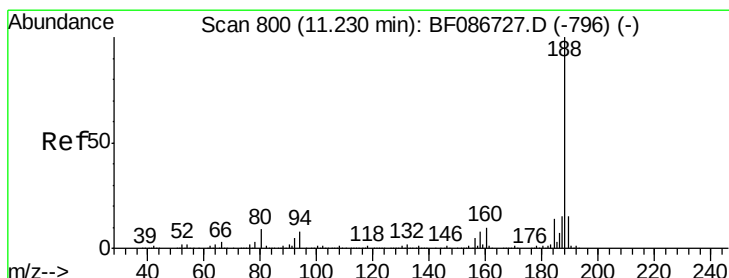
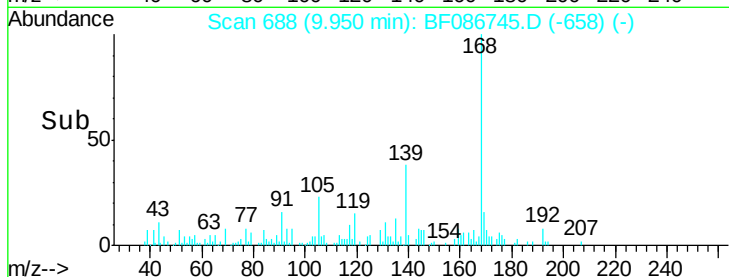
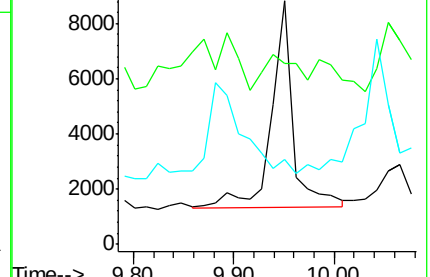
65 34.7 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

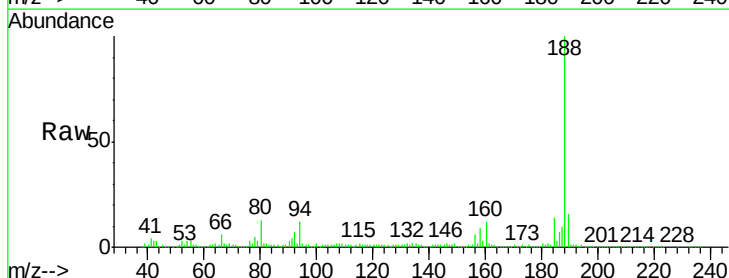
Tgt Ion:188 Resp: 489655

Ion Ratio Lower Upper

188 100

94 12.0 6.8 10.2#

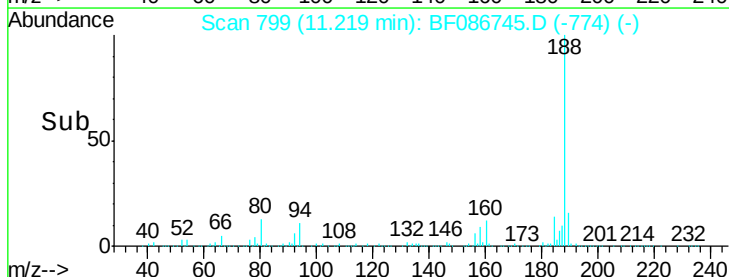
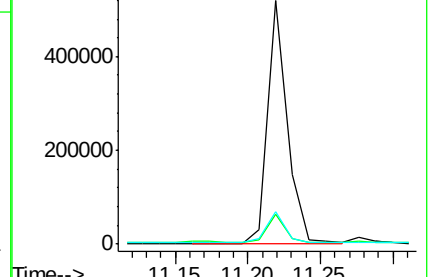
80 13.1 7.1 10.7#

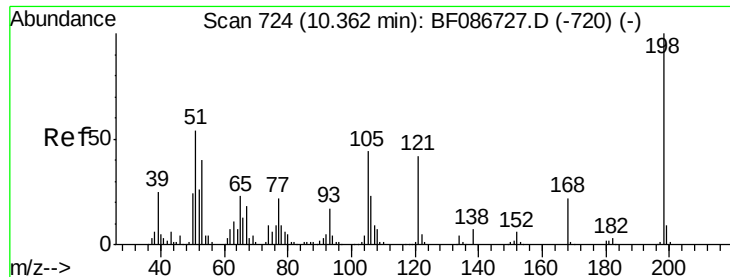


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

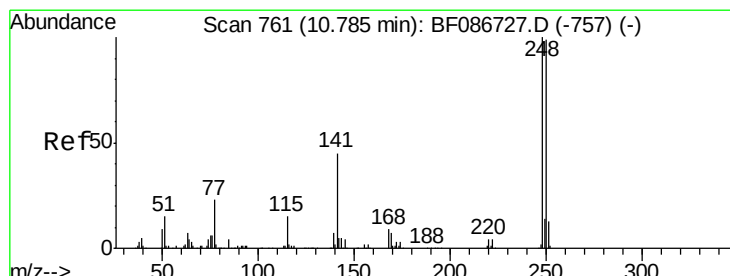
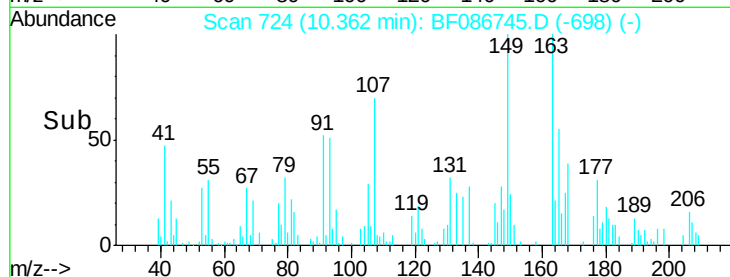
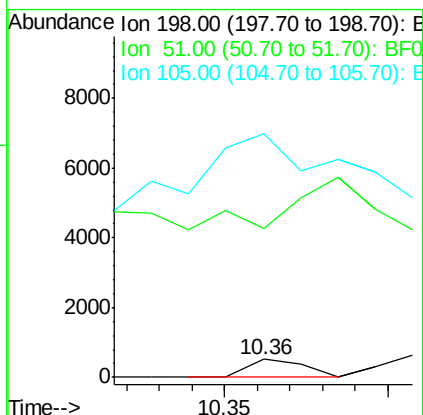
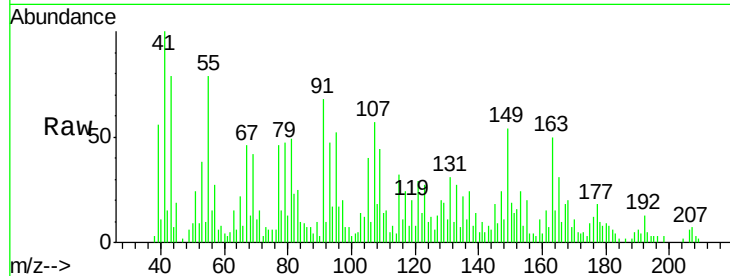




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.49 ng
 RT: 10.36 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: BF086745.D
 Acq: 7 May 2016 1:21

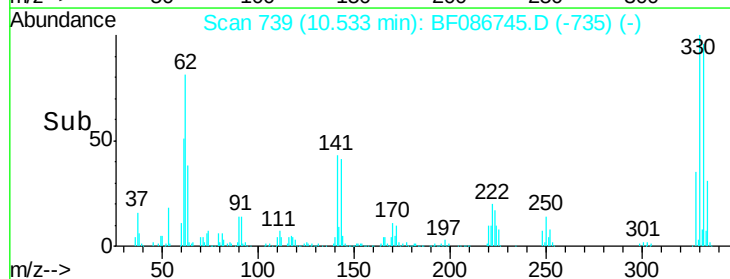
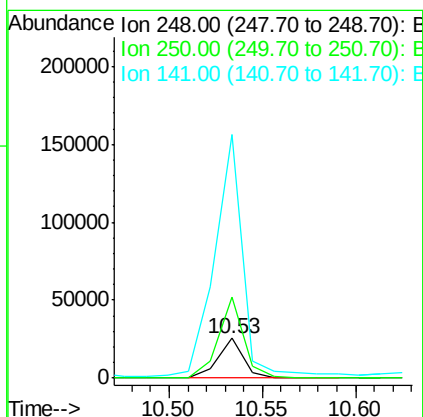
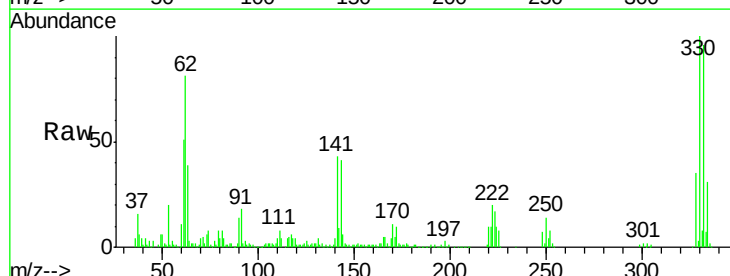
Instrument :
 BNA_F
 ClientSampled :

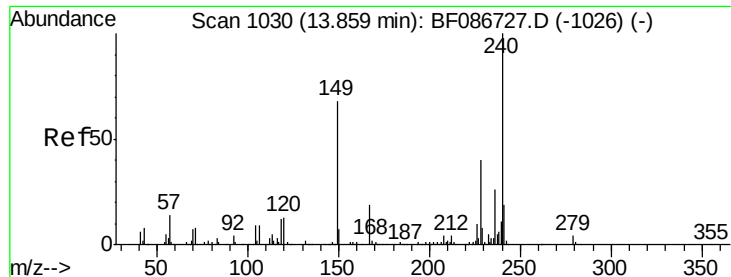
Tot Ion:198 Resp: 616
 Ion Ratio Lower Upper
 198 100
 51 824.5 20.5 60.5#
 105 1347.9 24.5 64.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.08 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.25 min
 Lab File: BF086745.D
 Acq: 7 May 2016 1:21

Tgt Ion:248 Resp: 24695
 Ion Ratio Lower Upper
 248 100
 250 204.0 78.6 117.8#
 141 610.5 76.0 114.0#





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

Instrument :

BNA_F

ClientSampled :

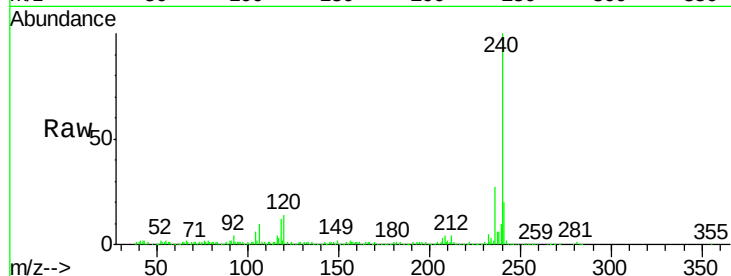
Tot Ion:240 Resp: 353880

Ion Ratio Lower Upper

240 100

120 13.7 11.2 16.8

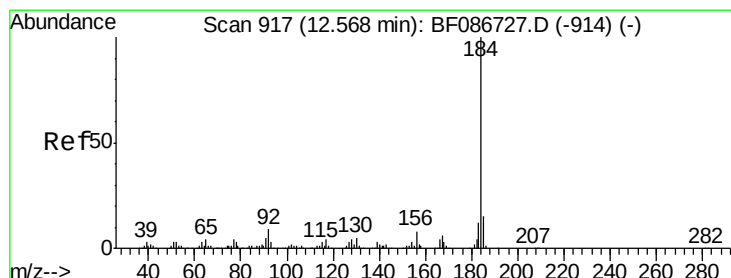
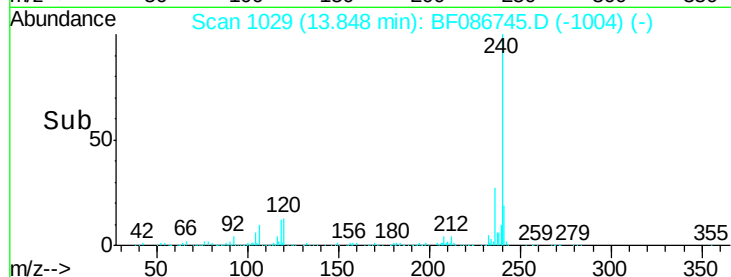
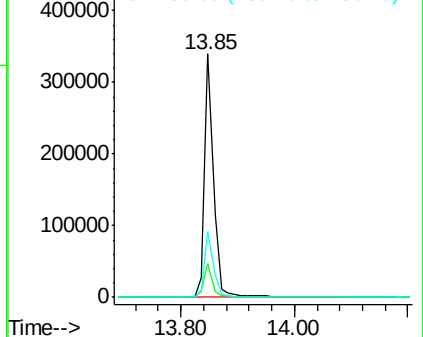
236 26.8 21.2 31.8



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



#76

Benzidine

Concen: 7.16 ng

RT: 12.59 min Scan# 919

Delta R.T. 0.02 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

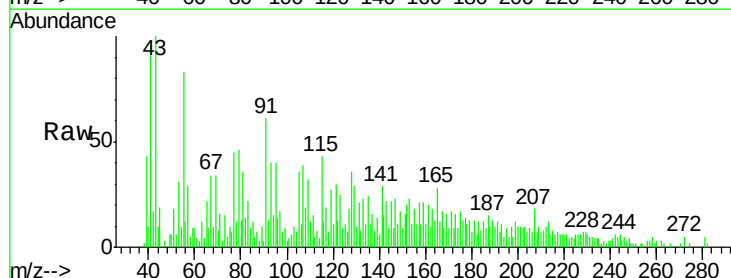
Tgt Ion:184 Resp: 731

Ion Ratio Lower Upper

184 100

185 146.9 13.6 20.4#

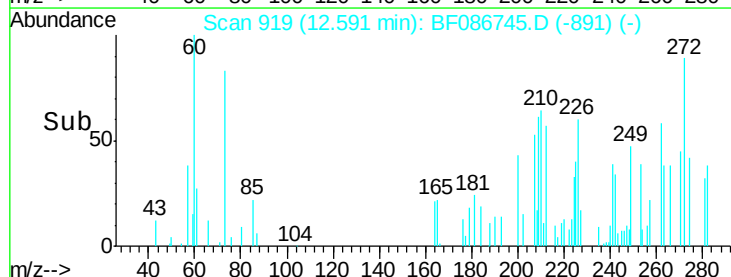
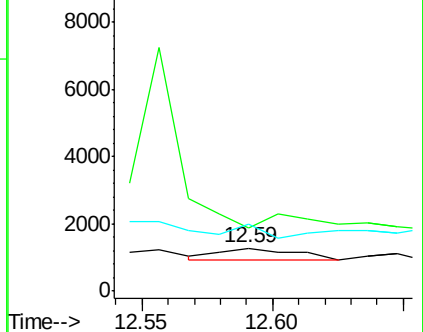
183 155.8 9.8 14.6#

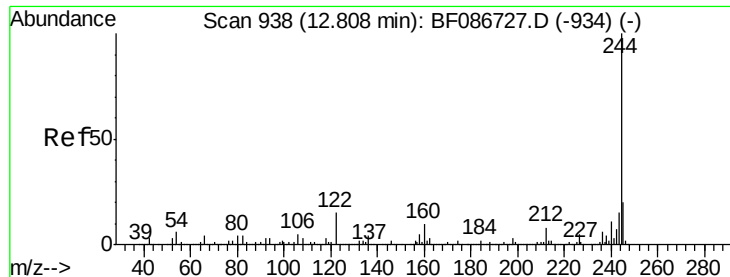


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 75.53 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

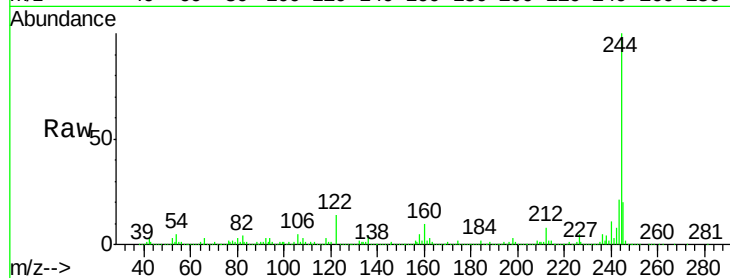
Tot Ion:244 Resp: 1322491

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	13.6	12.0	18.0

244 100

212 8.1 6.2 9.2

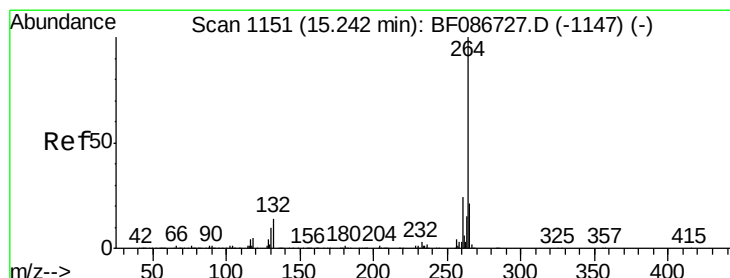
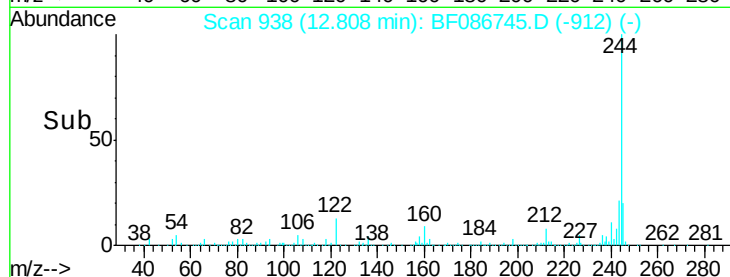
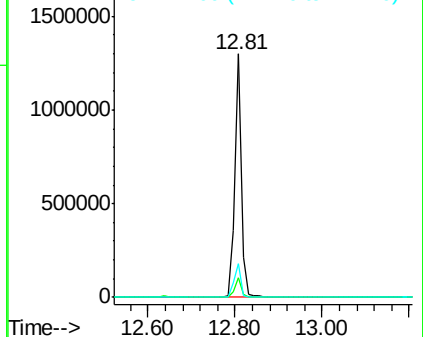
122 13.6 12.0 18.0



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

Perylene-d12

Concen: 40.00 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF086745.D

Acq: 7 May 2016 1:21

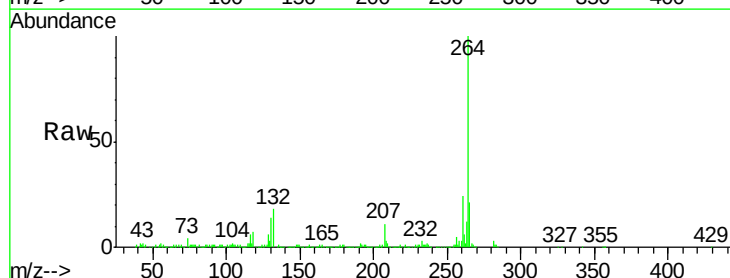
Tgt Ion:264 Resp: 289512

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.5	17.3	25.9

264 100

260 24.2 19.5 29.3

265 21.5 17.3 25.9



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

