

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084514.D
 Acq On : 16 Jan 2016 2:33
 Operator : SJ/UM
 Sample : H1134-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 03:25:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 03:20:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	247831	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	831079	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	415491	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	742077	20.00	ng	0.01
75) Chrysene-d12	13.99	240	604114	20.00	ng	0.00
86) Perylene-d12	15.40	264	539905	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	2100585	137.09	ng	0.01
7) Phenol-d6	6.48	99	3082598	160.19	ng	0.00
23) Nitrobenzene-d5	7.39	82	1666618	111.61	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	565051	134.70	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	2528037	108.81	ng	0.00
78) Terphenyl-d14	12.95	244	2203808	81.43	ng	0.01

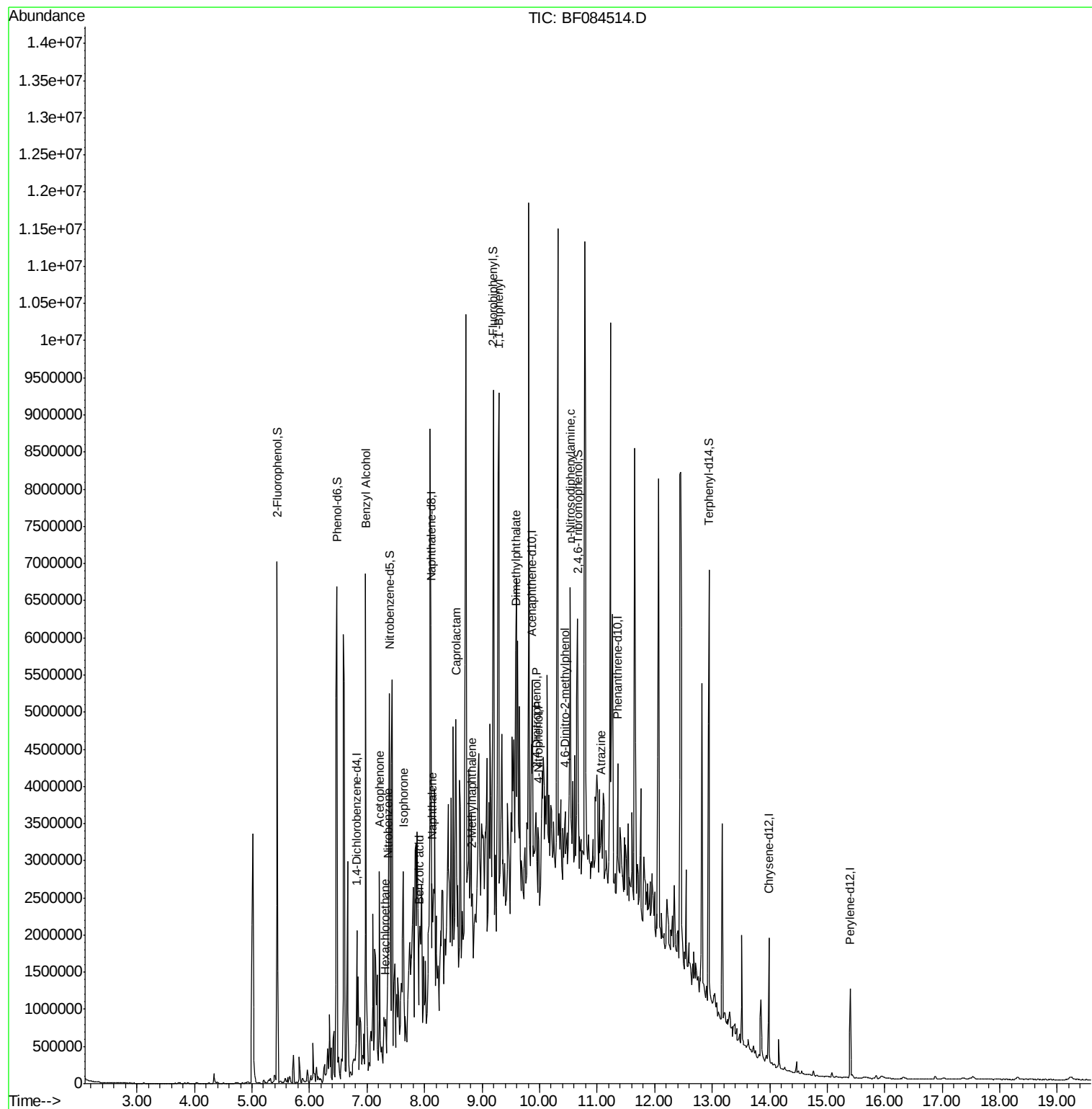
Target Compounds						Qvalue
15) Benzyl Alcohol	6.98	79	33650	2.08	ng	# 42
18) Hexachloroethane	7.32	117	42206	5.87	ng	# 1
22) Acetophenone	7.22	105	221364	11.08	ng	# 41
24) Nitrobenzene	7.37	77	62160	4.10	ng	# 23
25) Isophorone	7.63	82	83567	2.93	ng	# 1
31) Naphthalene	8.13	128	298276	7.91	ng	# 84
32) Benzoic acid	7.90	122	5894	6.82	ng	# 1
35) Caprolactam	8.54	113	75495	19.27	ng	# 1
37) 2-Methylnaphthalene	8.83	142	301324	11.13	ng	97
45) 1,1'-Biphenyl	9.29	154	74289	2.25	ng	90
49) Dimethylphthalate	9.58	163	481797	16.22	ng	# 93
53) 2,4-Dinitrophenol	9.94	184	1701	4.14	ng	# 1
54) Dibenzofuran	10.08	168	26865	Below	Cal	# 1
55) 4-Nitrophenol	9.97	139	17911	3.06	ng	# 16
57) Fluorene	10.42	166	47981	Below	Cal	# 66
60) 4-Chlorophenyl-phenylether	10.43	204	1702	Below	Cal	# 1
64) 4,6-Dinitro-2-methylphenol	10.44	198	2790	6.87	ng	# 1
65) n-Nitrosodiphenylamine	10.53	169	113225	4.77	ng	# 51
68) Atrazine	11.07	200	50117	6.45	ng	# 74
73) Di-n-butylphthalate	11.92	149	10961	Below	Cal	# 19

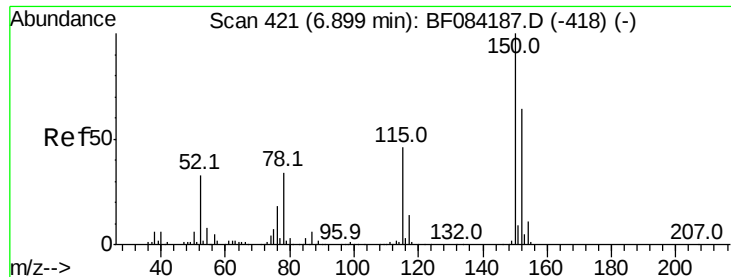
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :

BNA_F

ClientSampled :

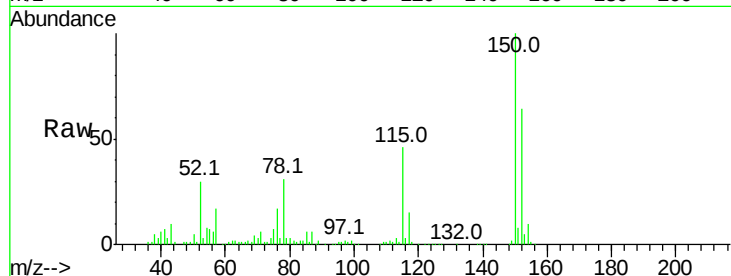
Tot Ion:152 Resp: 247831

Ion Ratio Lower Upper

152 100

150 157.1 123.0 184.4

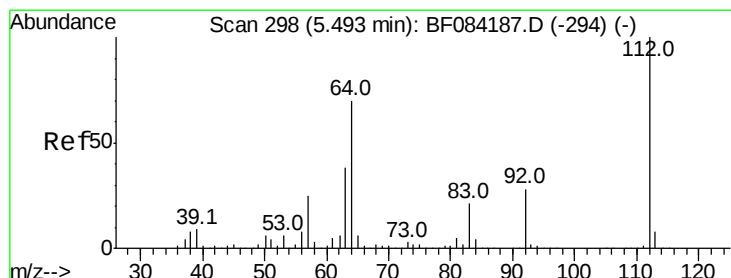
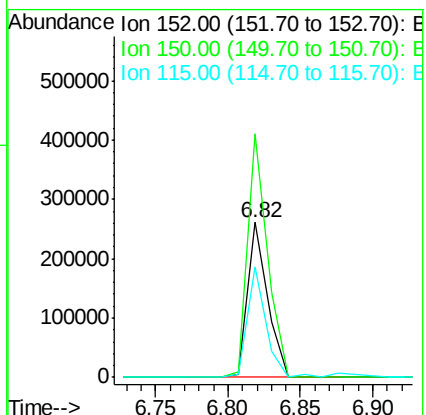
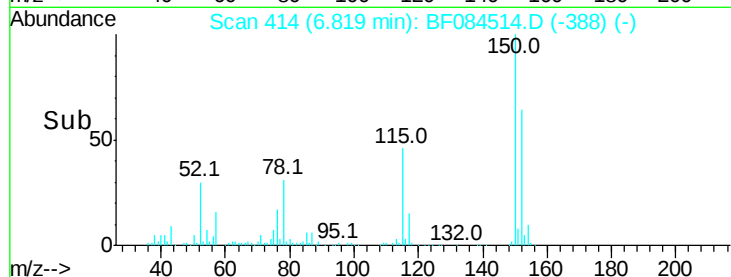
115 71.5 51.4 77.2



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: 137.09 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

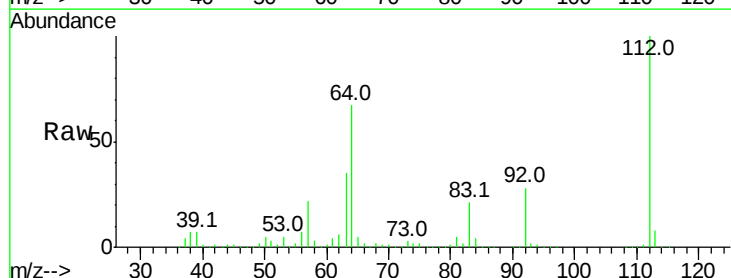
Tgt Ion:112 Resp: 2100585

Ion Ratio Lower Upper

112 100

64 66.5 36.6 55.0#

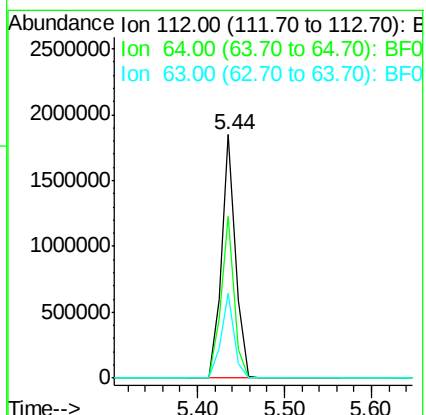
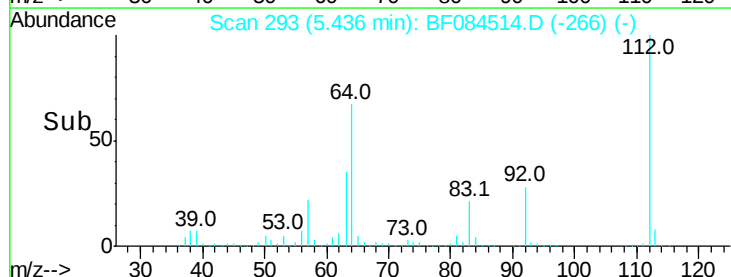
63 35.1 19.4 29.0#

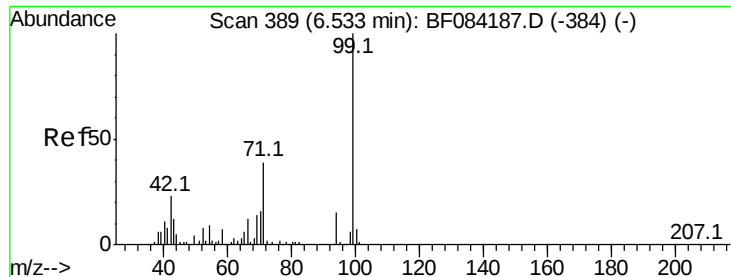


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 160.19 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :

BNA_F

ClientSampleId :

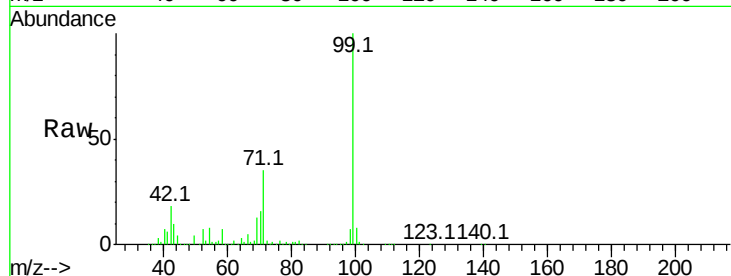
Tot Ion: 99 Resp: 3082598

Ion Ratio Lower Upper

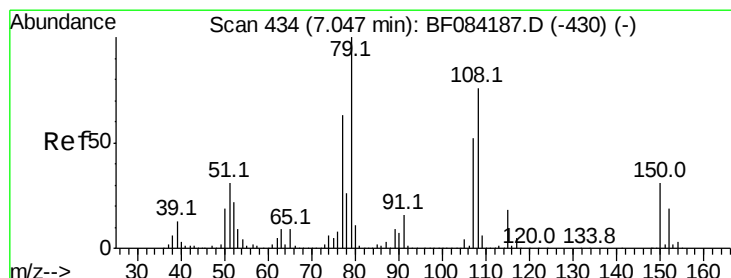
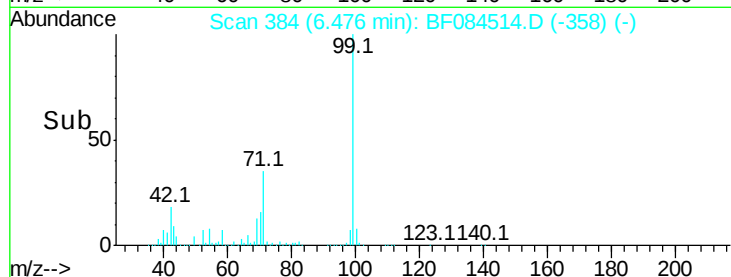
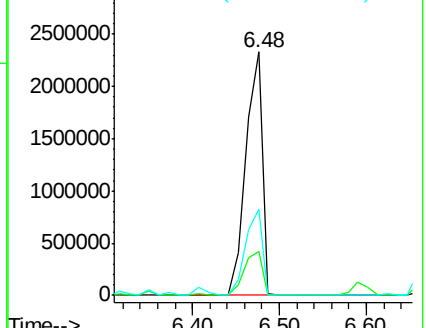
99 100

42 17.9 12.8 19.2

71 35.3 30.9 46.3



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: 2.08 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

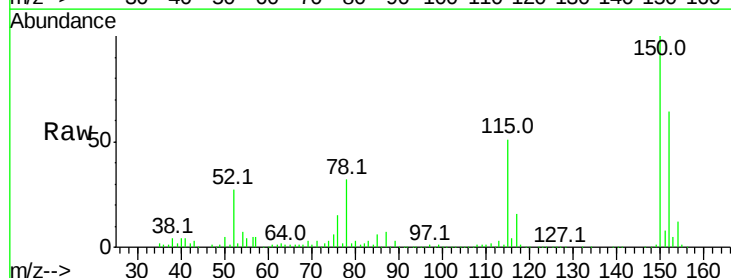
Tgt Ion: 79 Resp: 33650

Ion Ratio Lower Upper

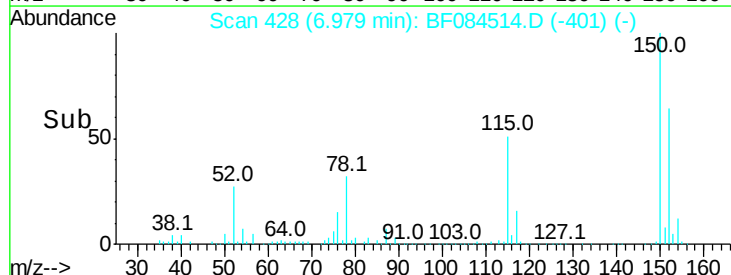
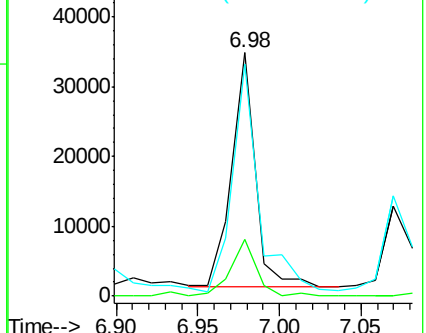
79 100

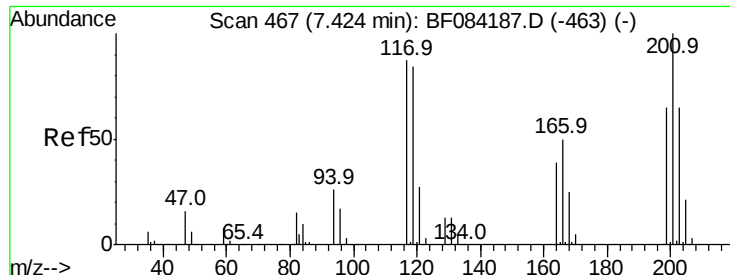
108 23.2 69.0 103.4#

77 95.5 50.0 75.0#



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

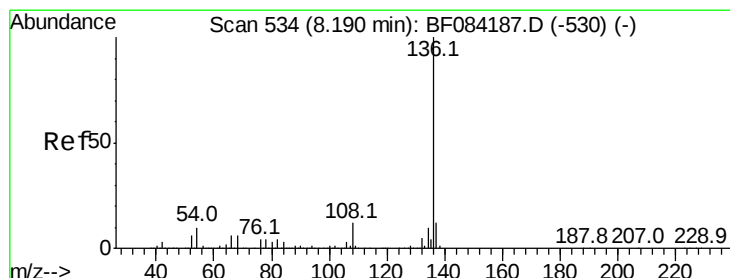
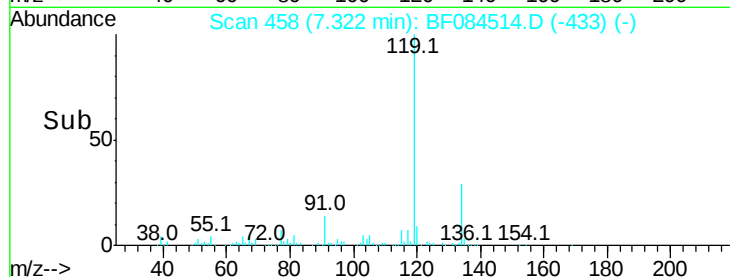
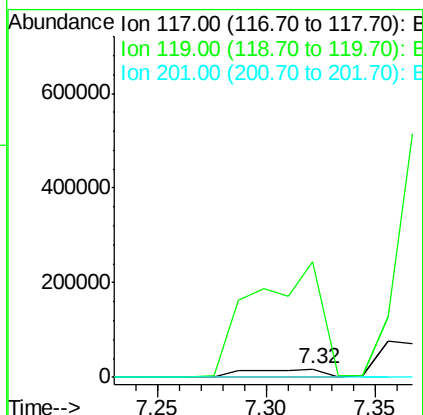
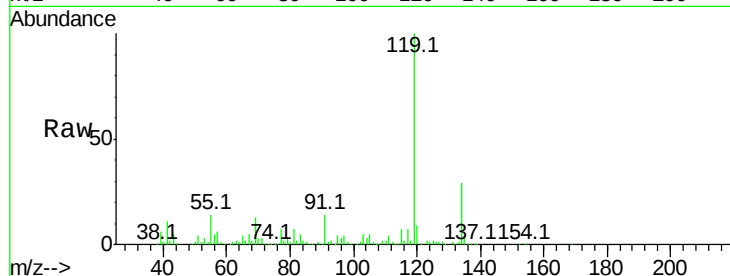




#18
Hexachloroethane
Concen: 5.87 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF084514.D
Acq: 16 Jan 2016 2:33

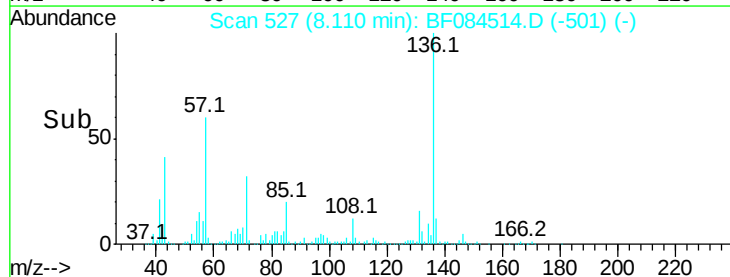
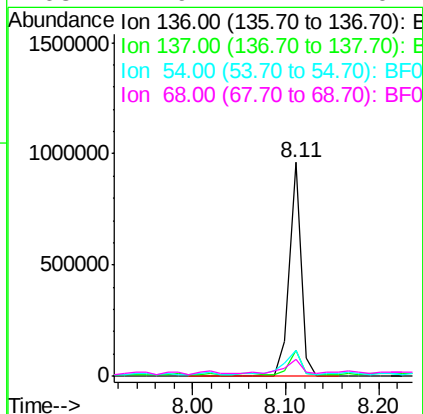
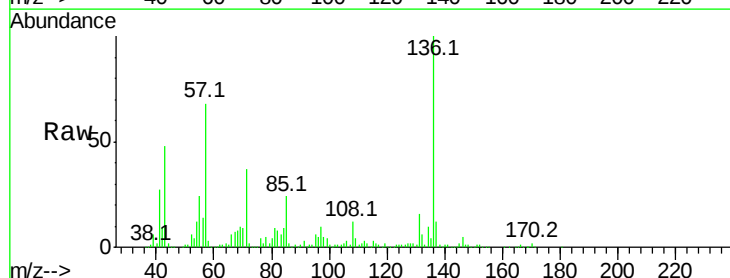
Instrument :
BNA_F
ClientSampleId :

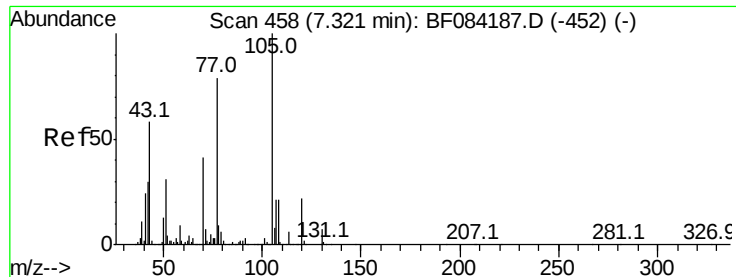
Tot Ion:117 Resp: 42206
Ion Ratio Lower Upper
117 100
119 1367.6 77.4 116.0#
201 0.0 68.6 103.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF084514.D
Acq: 16 Jan 2016 2:33

Tgt Ion:136 Resp: 831079
Ion Ratio Lower Upper
136 100
137 11.8 8.7 13.1
54 12.0 5.8 8.8#
68 7.9 4.2 6.2#





#22

Acetophenone

Concen: 11.08 ng

RT: 7.22 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 221364

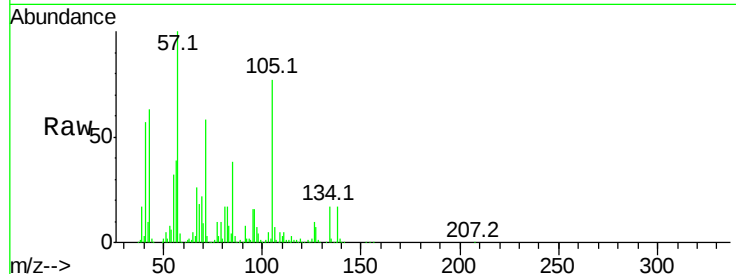
Ion Ratio Lower Upper

105 100

71 76.0 3.7 5.5#

51 6.0 25.1 37.7#

120 0.2 16.6 25.0#

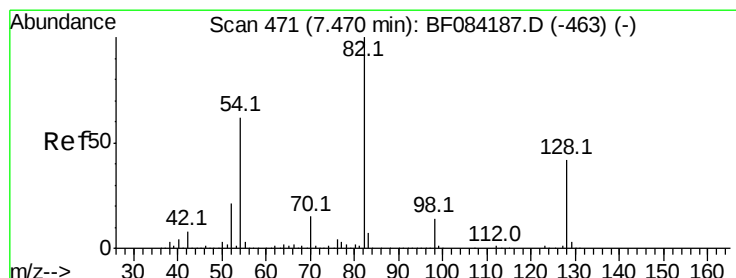
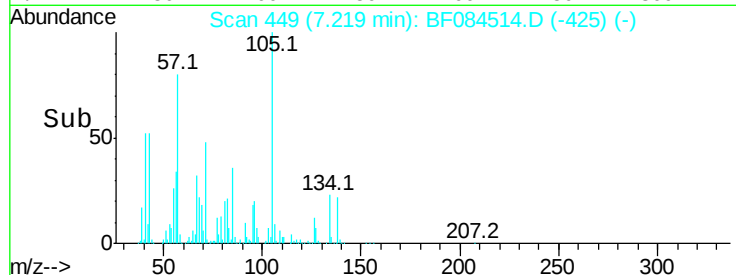
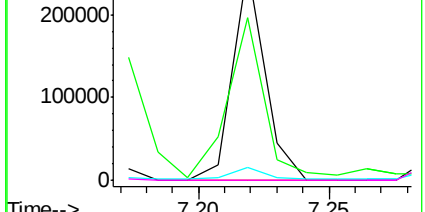


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 111.61 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

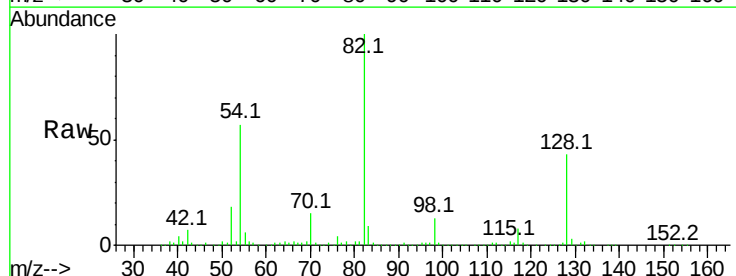
Tgt Ion: 82 Resp: 1666618

Ion Ratio Lower Upper

82 100

128 43.4 34.6 51.8

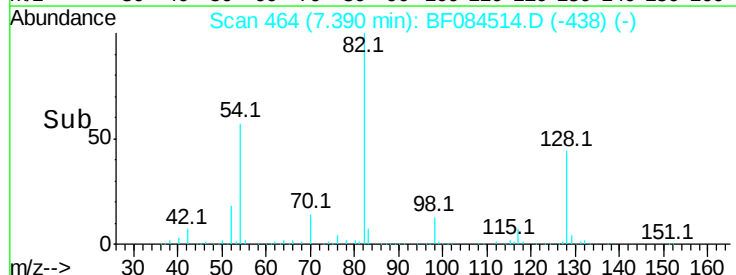
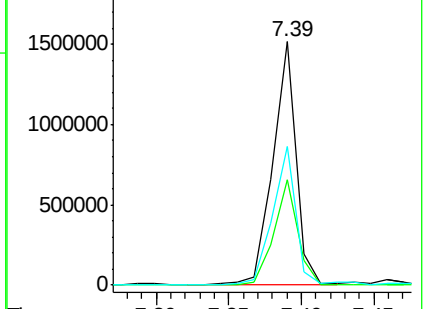
54 57.1 38.4 57.6

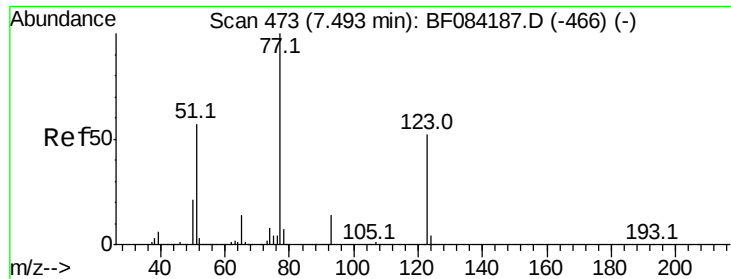


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

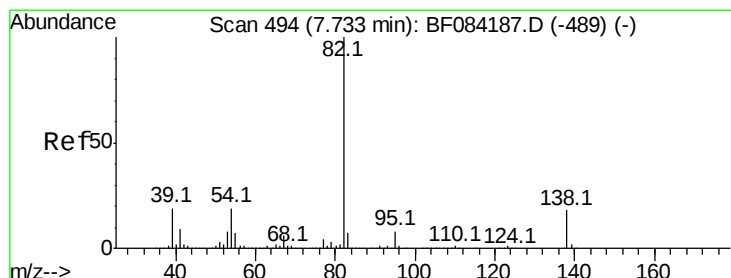
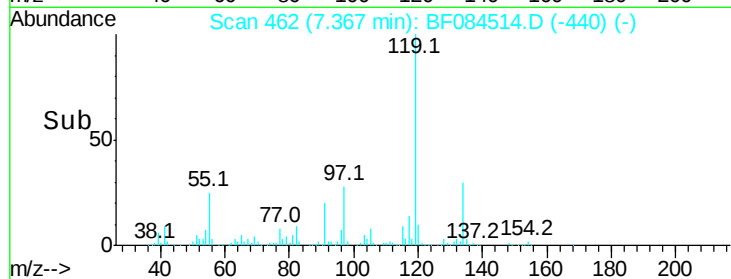
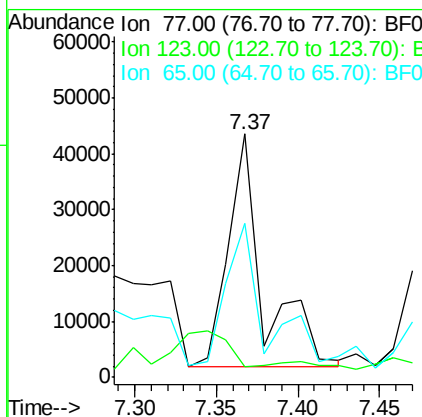
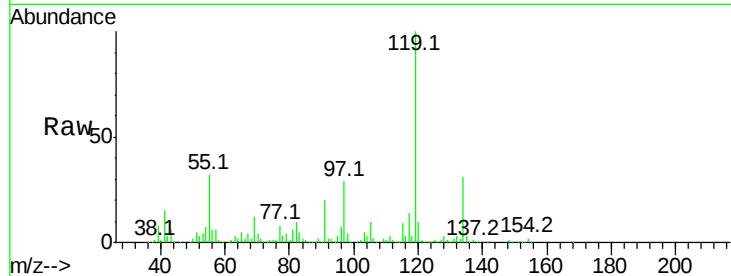




#24
 Nitrobenzene
 Concen: 4.10 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.05 min
 Lab File: BF084514.D
 Acq: 16 Jan 2016 2:33

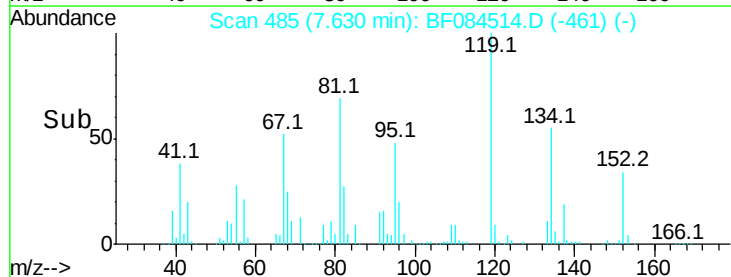
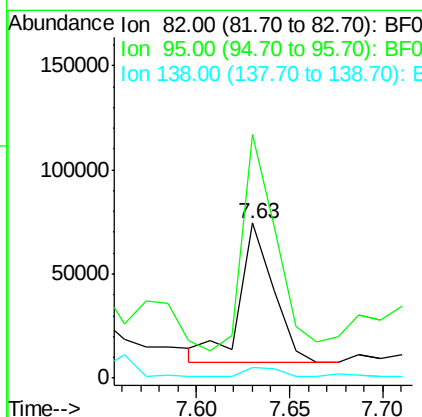
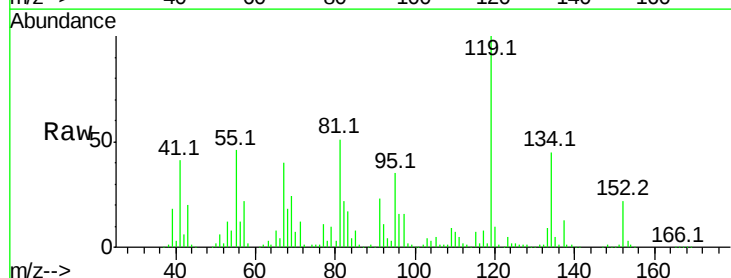
Instrument :
 BNA_F
 ClientSampleId :

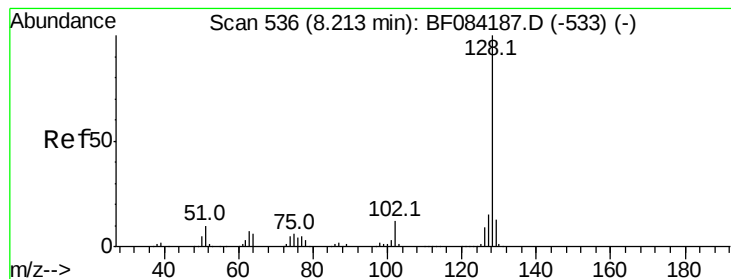
Tot Ion	Ratio	Lower	Upper
77	100		
123	4.3	37.4	56.2#
65	63.5	10.9	16.3#



#25
 Isophorone
 Concen: 2.93 ng
 RT: 7.63 min Scan# 485
 Delta R.T. -0.02 min
 Lab File: BF084514.D
 Acq: 16 Jan 2016 2:33

Tgt Ion	Ratio	Lower	Upper
82	100		
95	157.4	6.6	10.0#
138	6.8	13.6	20.4#





#31

Naphthalene

Concen: 7.91 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :

BNA_F

ClientSampleId :

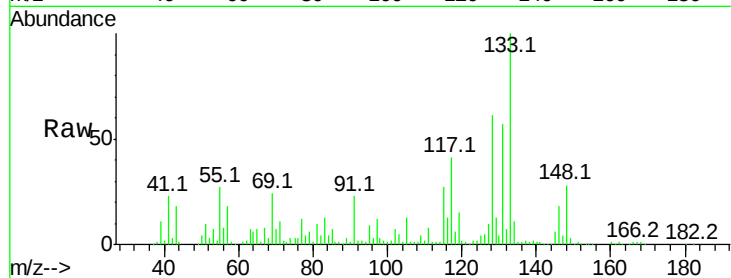
Tot Ion:128 Resp: 298276

Ion Ratio Lower Upper

128 100

129 21.9 9.1 13.7#

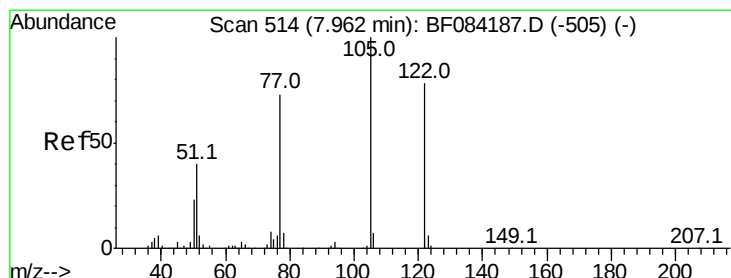
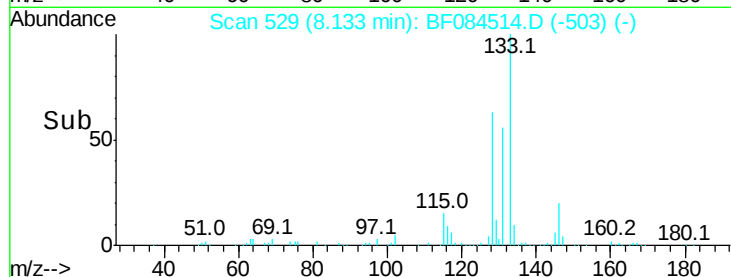
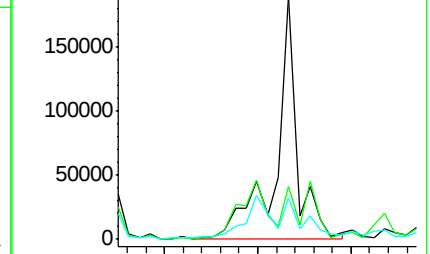
127 16.8 11.1 16.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.82 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

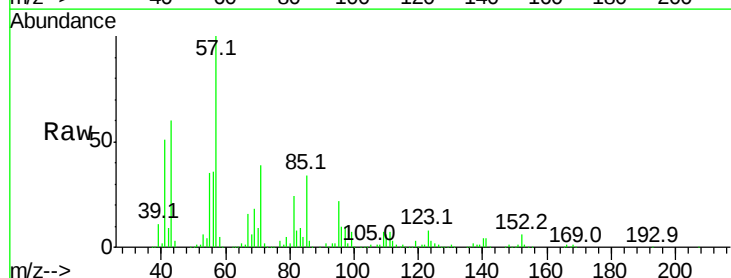
Tgt Ion:122 Resp: 5894

Ion Ratio Lower Upper

122 100

105 48.4 100.3 140.3#

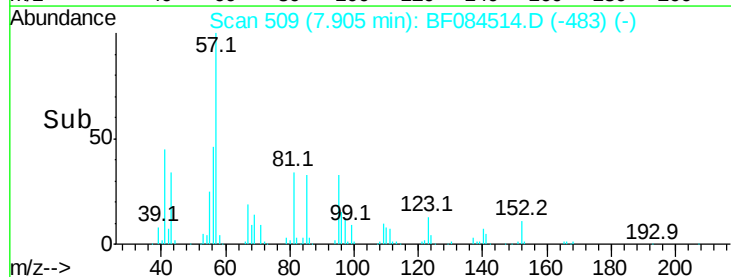
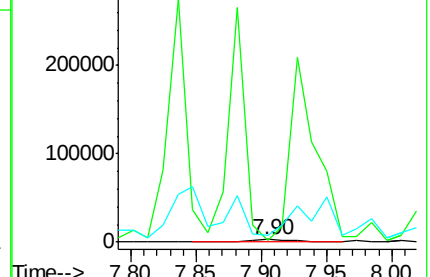
77 247.8 63.5 103.5#

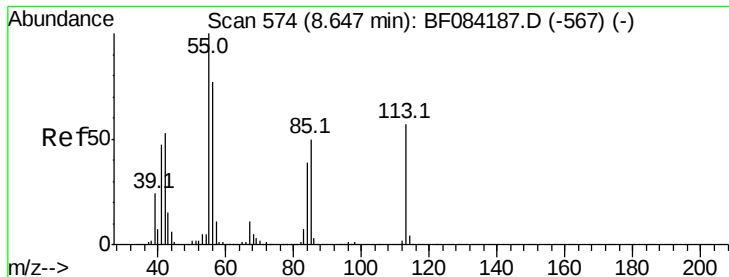


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 19.27 ng

RT: 8.54 min Scan# 565

Delta R.T. -0.02 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :

BNA_F

ClientSampleId :

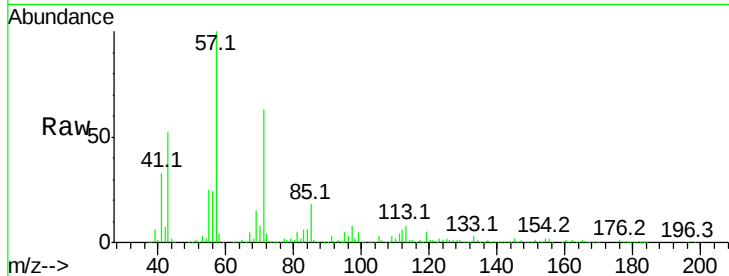
Tot Ion:113 Resp: 75495

Ion Ratio Lower Upper

113 100

55 308.4 116.9 156.9#

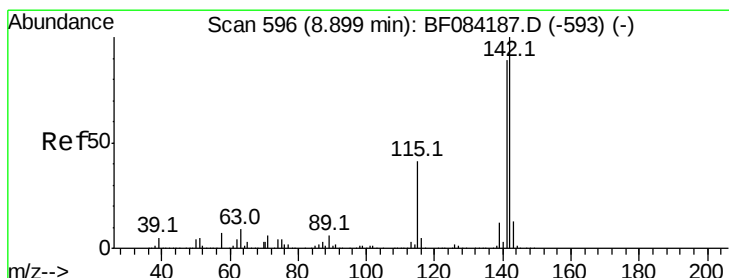
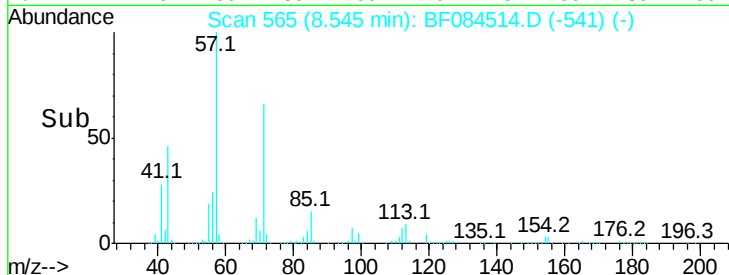
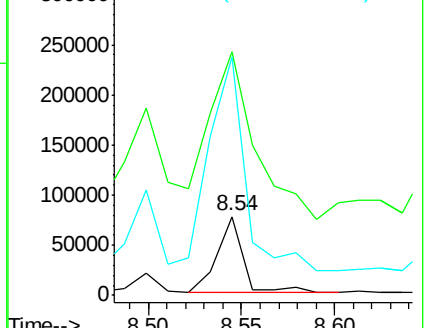
56 302.5 93.8 133.8#



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: 11.13 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

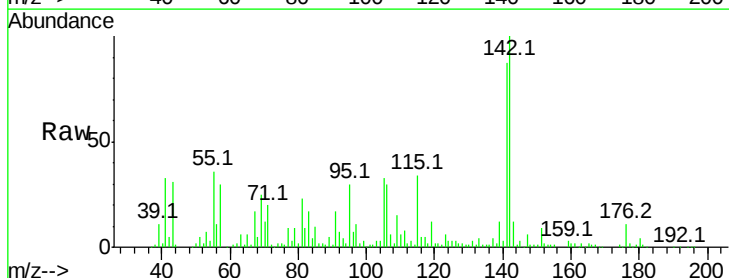
Tgt Ion:142 Resp: 301324

Ion Ratio Lower Upper

142 100

141 86.8 72.4 108.6

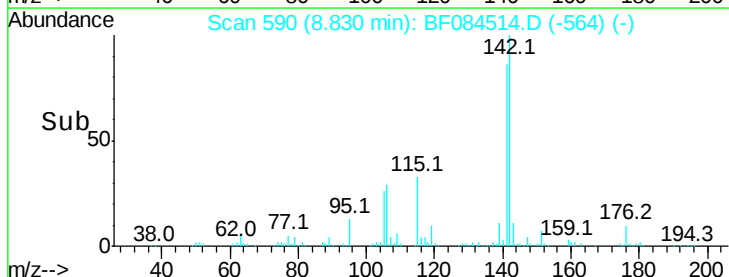
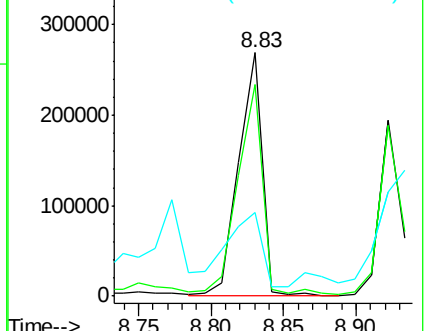
115 34.3 27.9 41.9

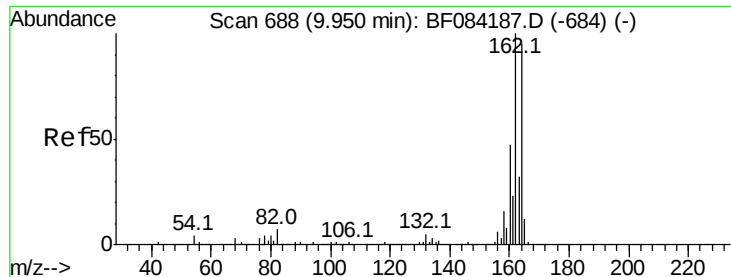


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :

BNA_F

ClientSampleId :

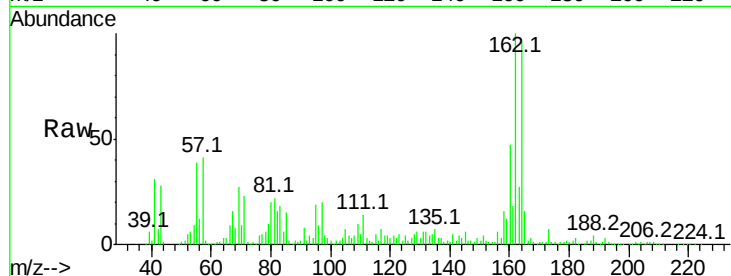
Tot Ion:164 Resp: 415491

Ion Ratio Lower Upper

164 100

162 104.3 85.1 127.7

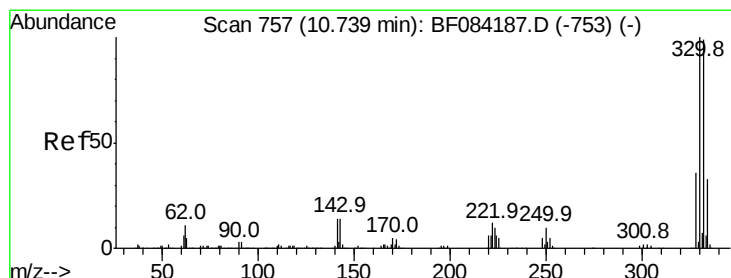
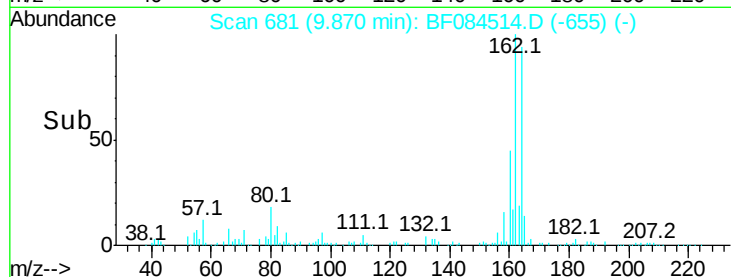
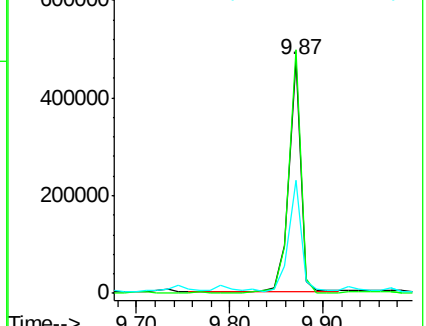
160 48.6 37.5 56.3



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: 134.70 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

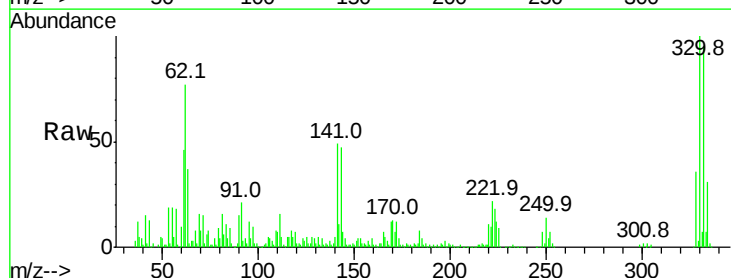
Tgt Ion:330 Resp: 565051

Ion Ratio Lower Upper

330 100

332 96.9 76.6 114.8

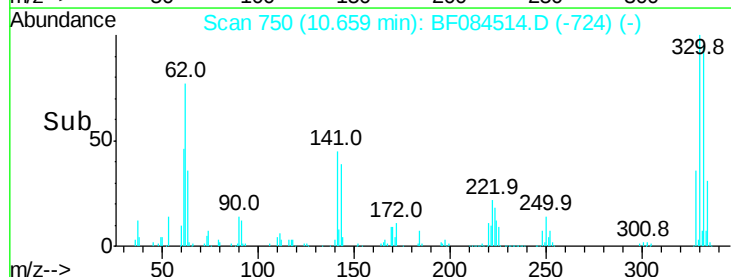
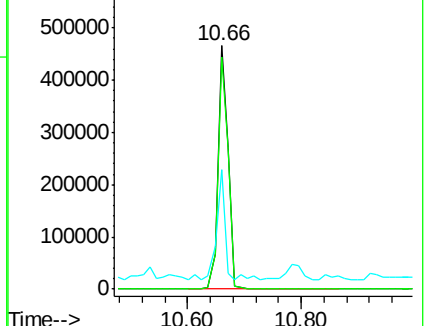
141 37.0 27.8 41.6

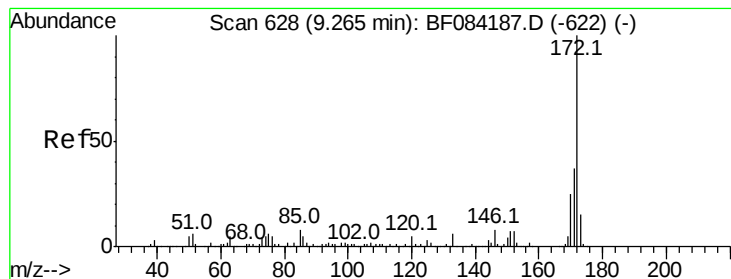


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 108.81 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

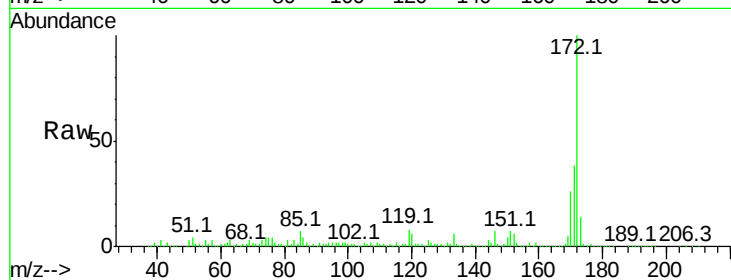
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 2528037

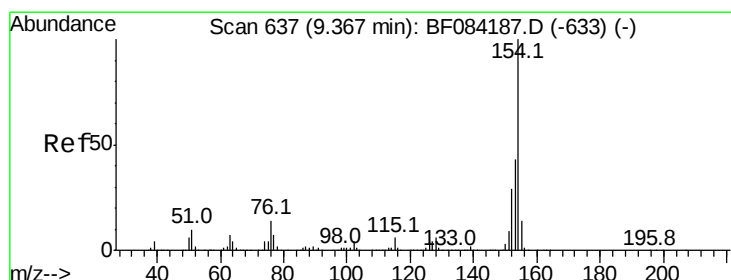
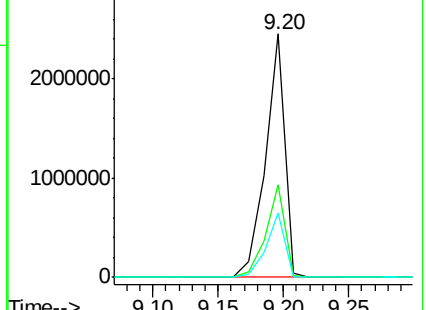
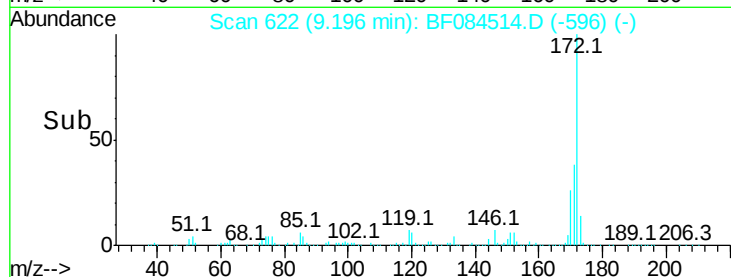
Ion	Ratio	Lower	Upper
172	100		
171	37.9	28.9	43.3
170	26.3	18.6	27.8



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



#45

1,1'-Biphenyl

Concen: 2.25 ng

RT: 9.29 min Scan# 630

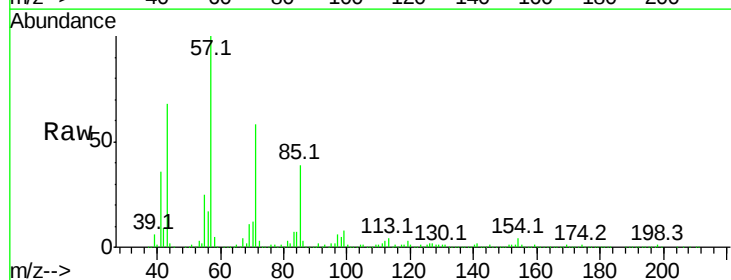
Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Tgt Ion:154 Resp: 74289

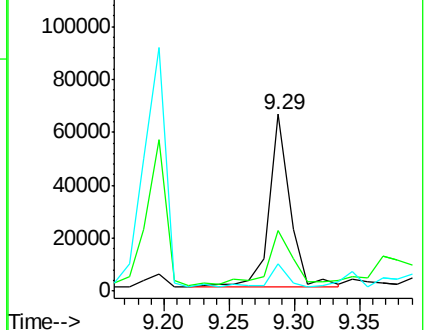
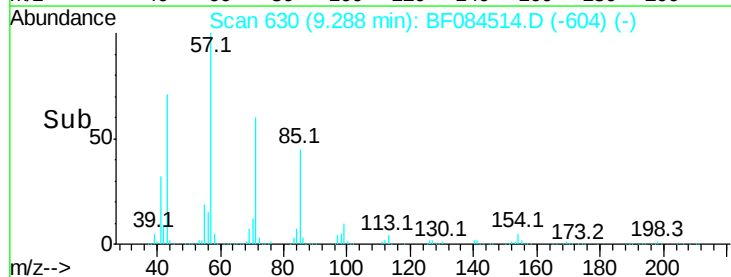
Ion	Ratio	Lower	Upper
154	100		
153	34.4	21.6	61.6
76	15.1	0.0	32.7

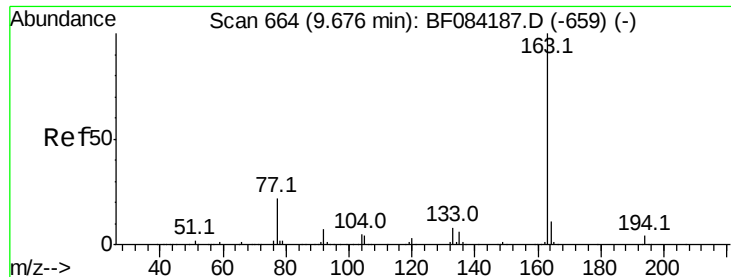


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 16.22 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :

BNA_F

ClientSampled :

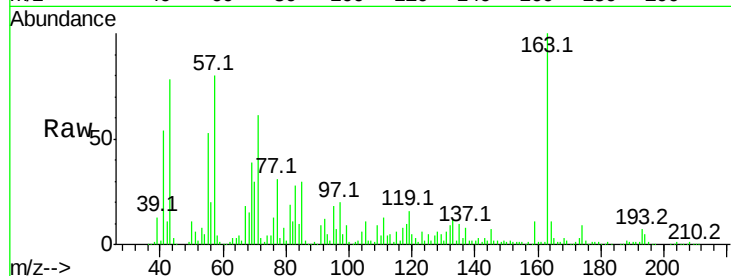
Tot Ion:163 Resp: 481797

Ion Ratio Lower Upper

163 100

194 5.3 8.0 12.0#

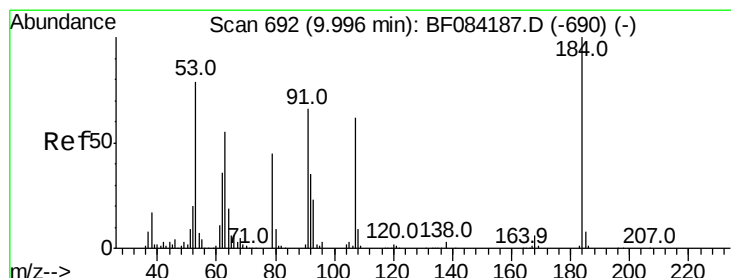
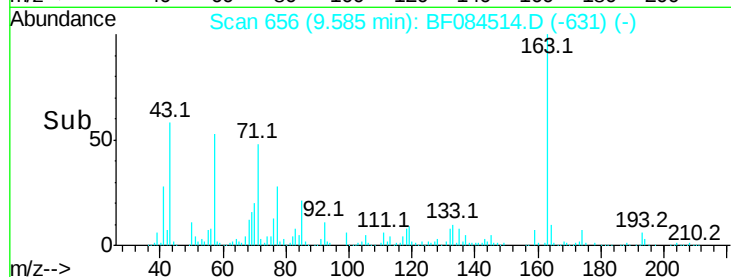
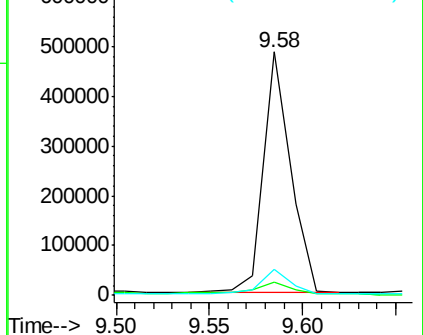
164 10.7 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 4.14 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.01 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

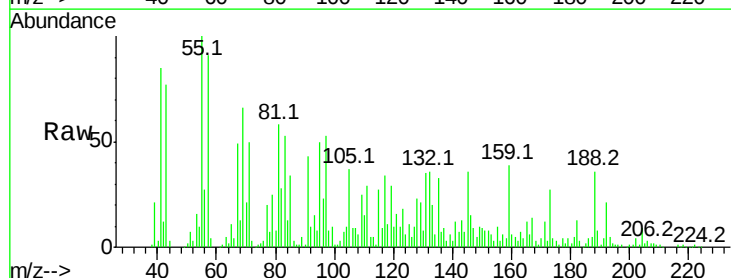
Tgt Ion:184 Resp: 1701

Ion Ratio Lower Upper

184 100

63 952.2 43.1 64.7#

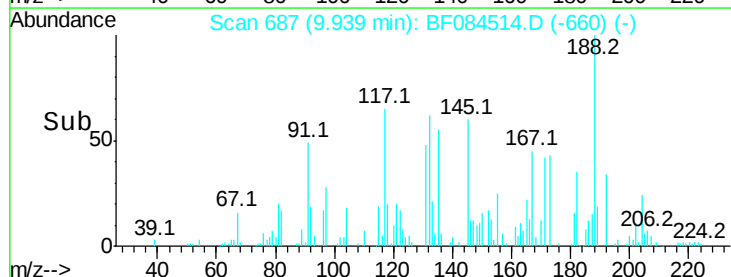
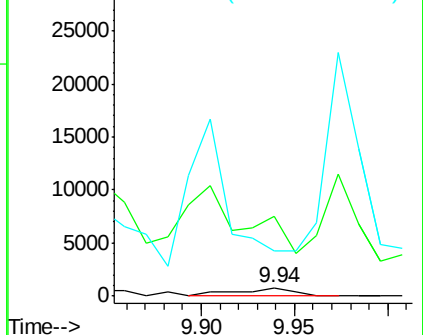
154 534.1 60.5 90.7#

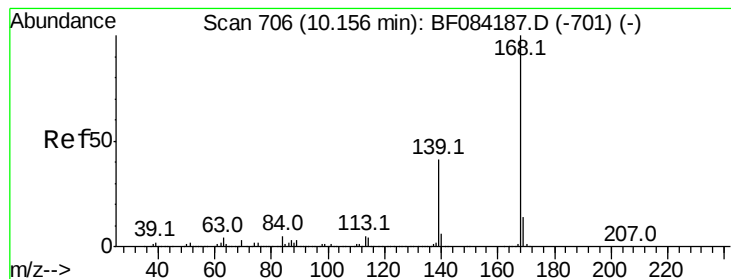


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: Below Cal

RT: 10.08 min Scan# 699

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :

BNA_F

ClientSampleId :

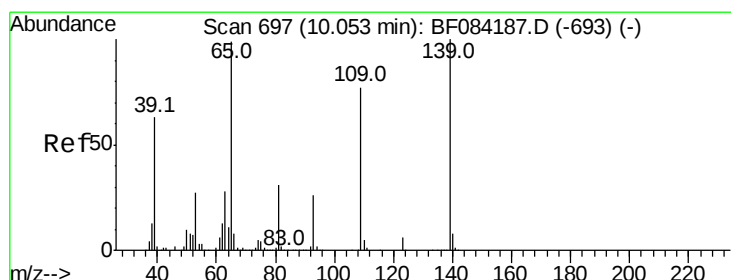
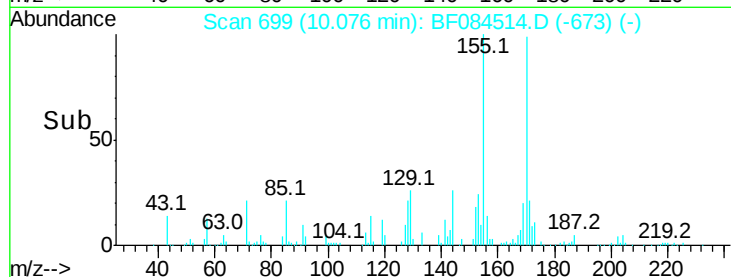
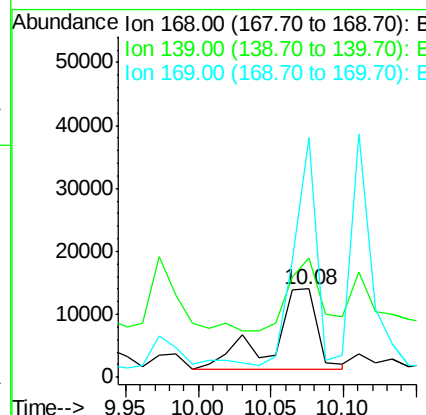
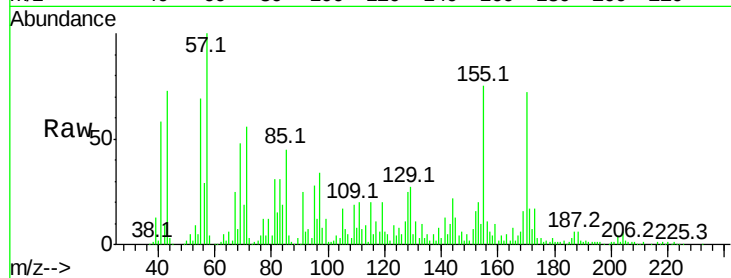
Tot Ion:168 Resp: 26865

Ion Ratio Lower Upper

168 100

139 134.6 30.5 45.7#

169 271.0 10.4 15.6#



#55

4-Nitrophenol

Concen: 3.06 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

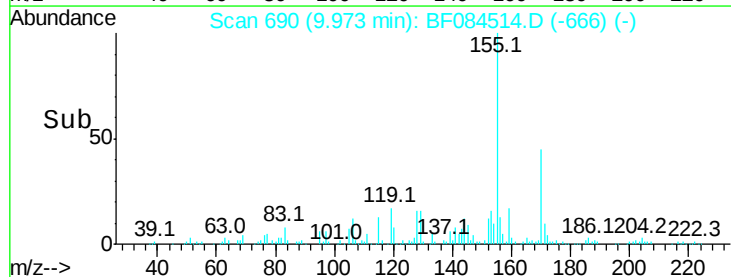
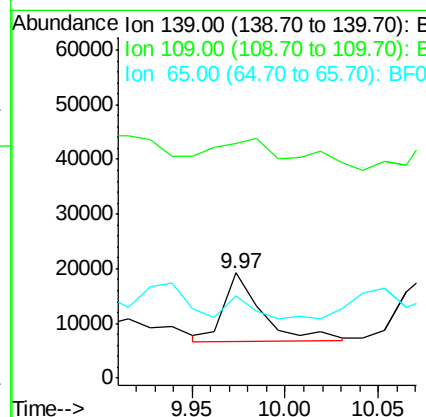
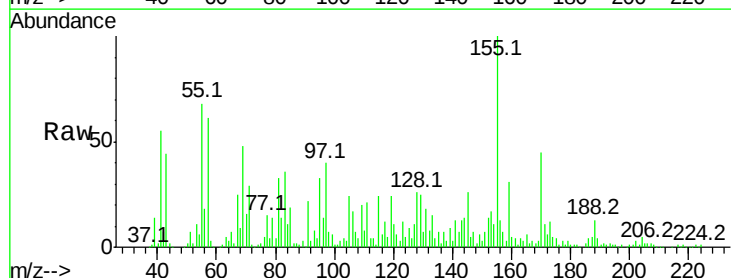
Tgt Ion:139 Resp: 17911

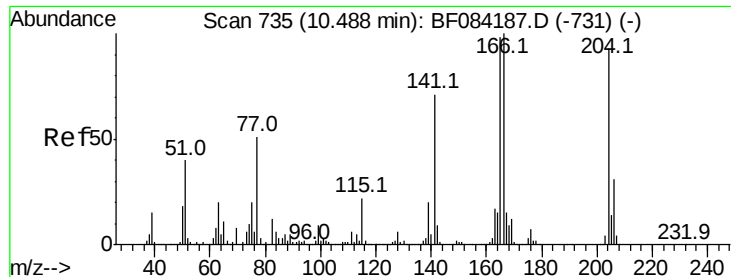
Ion Ratio Lower Upper

139 100

109 224.2 58.5 98.5#

65 78.2 57.6 97.6

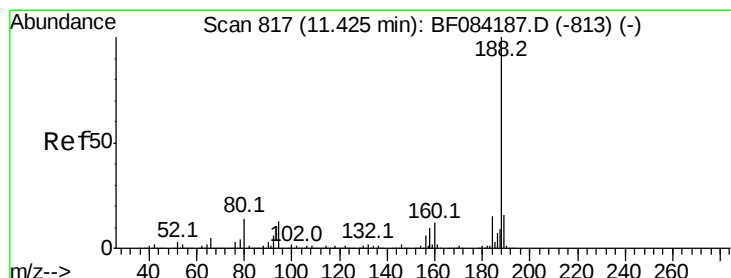
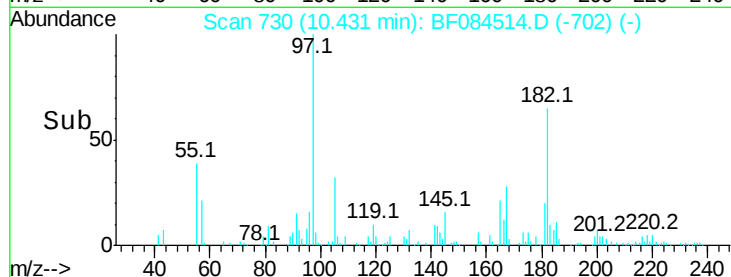
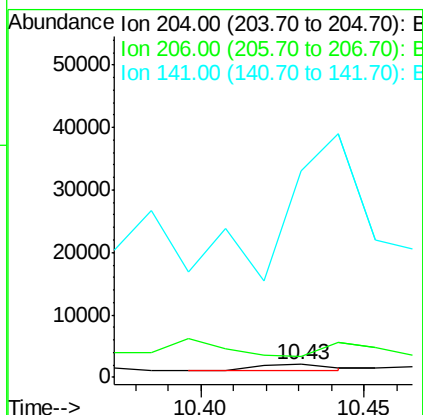
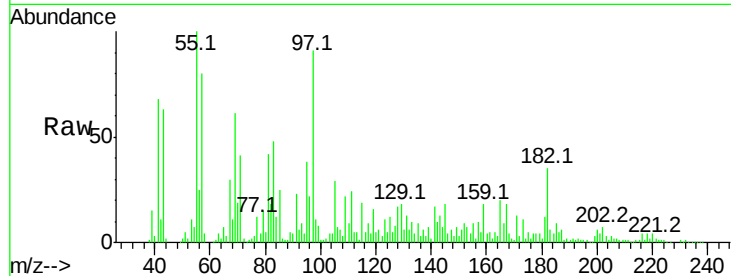




#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.43 min Scan# 730
Delta R.T. 0.02 min
Lab File: BF084514.D
Acq: 16 Jan 2016 2:33

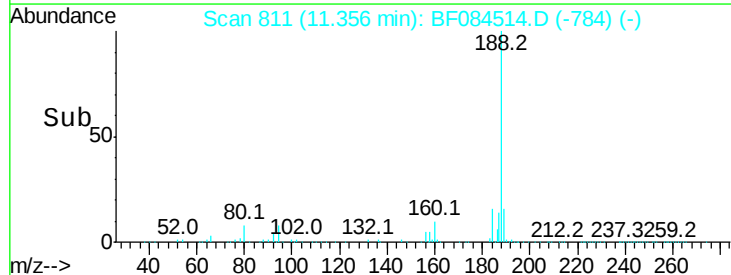
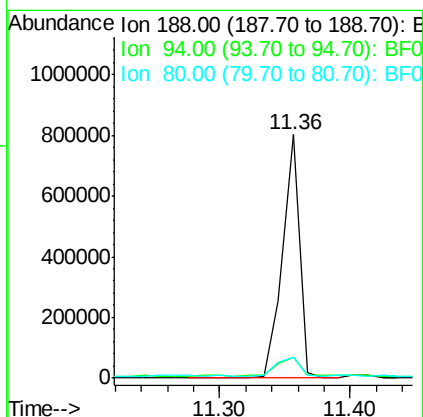
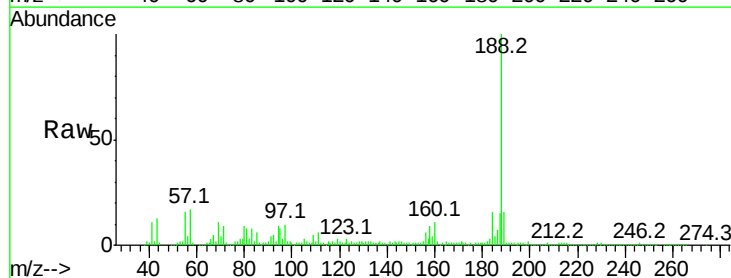
Instrument :
BNA_F
ClientSampled :

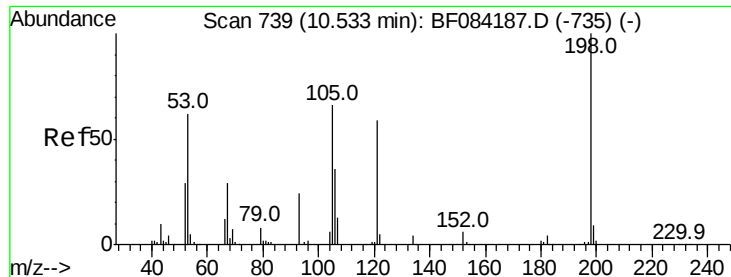
Tot Ion:204 Resp: 1702
Ion Ratio Lower Upper
204 100
206 161.4 25.7 38.5#
141 1637.1 55.1 82.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF084514.D
Acq: 16 Jan 2016 2:33

Tgt Ion:188 Resp: 742077
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.4#
80 8.7 9.6 14.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 6.87 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :

BNA_F

ClientSampleId :

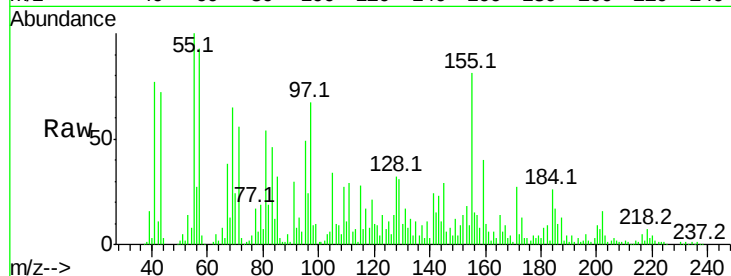
Tot Ion:198 Resp: 2790

Ion Ratio Lower Upper

198 100

51 801.7 18.9 58.9#

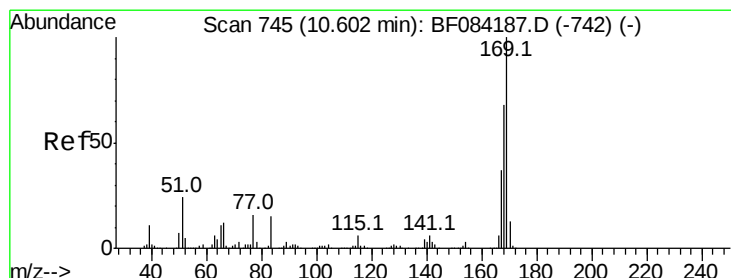
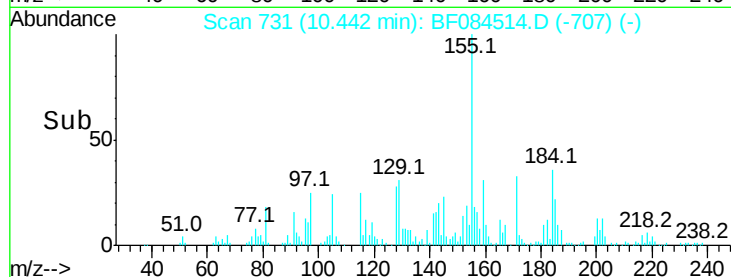
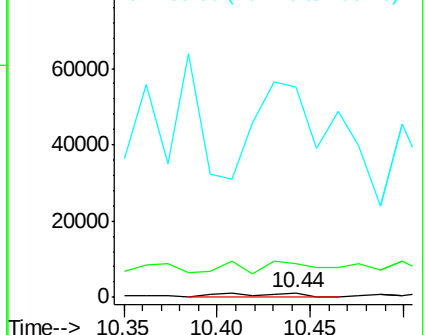
105 4914.8 26.4 66.4#



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



#65

n-Nitrosodiphenylamine

Concen: 4.77 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

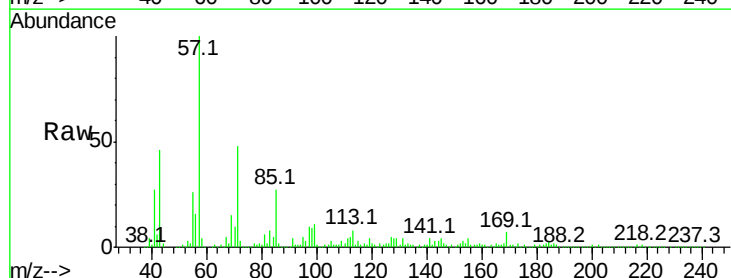
Tgt Ion:169 Resp: 113225

Ion Ratio Lower Upper

169 100

168 27.7 55.1 82.7#

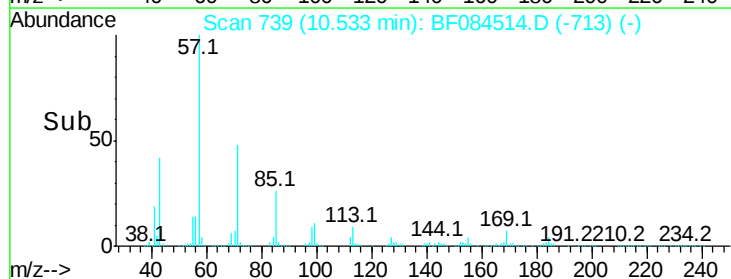
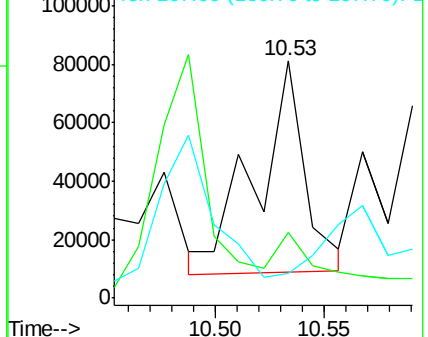
167 10.2 30.0 45.0#

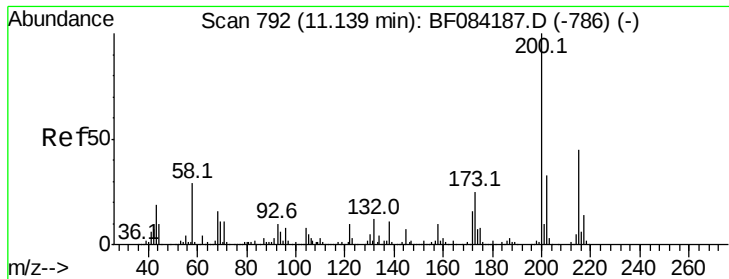


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 6.45 ng

RT: 11.07 min Scan# 786

Delta R.T. 0.01 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :
BNA_F
ClientSampleId :

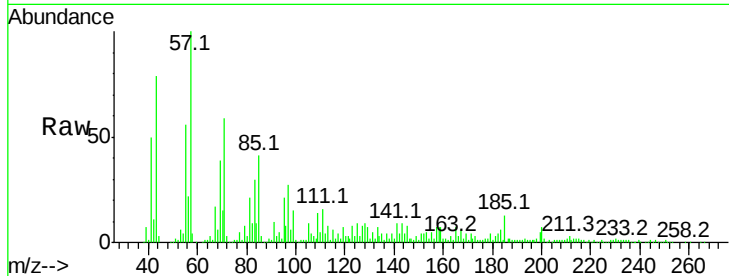
Tot Ion:200 Resp: 50117

Ion Ratio Lower Upper

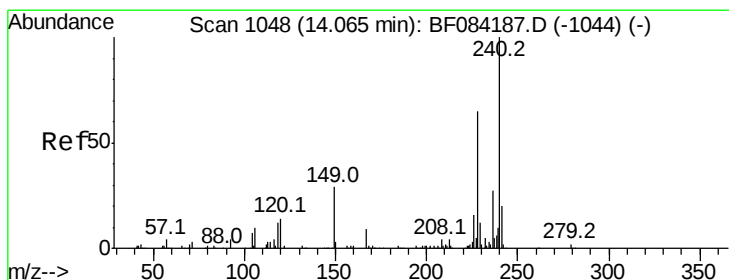
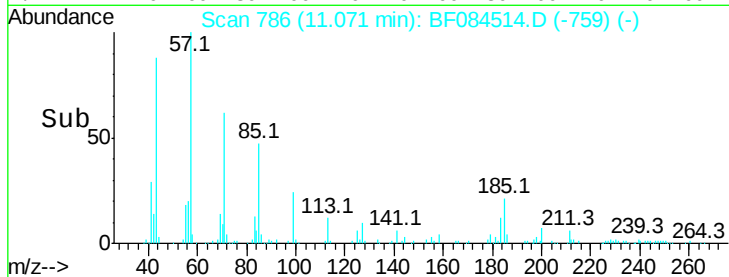
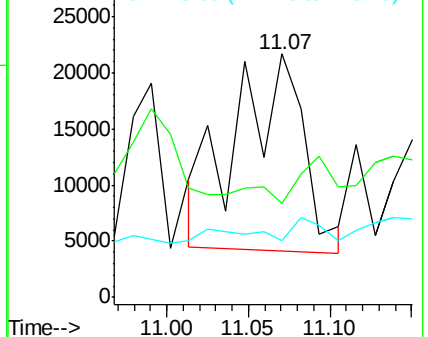
200 100

173 38.8 9.5 49.5

215 23.2 23.8 63.8#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

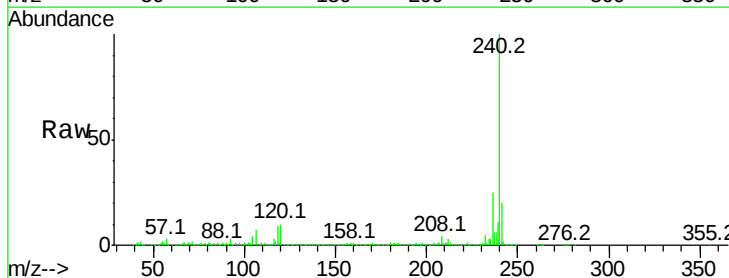
Tgt Ion:240 Resp: 604114

Ion Ratio Lower Upper

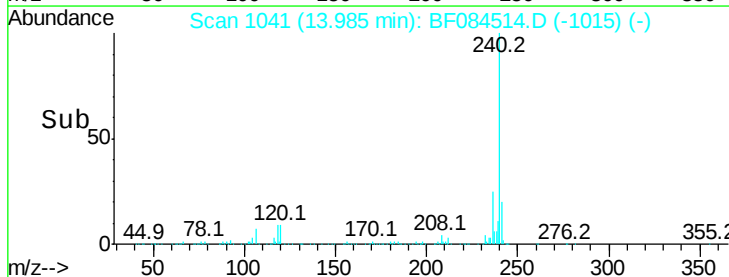
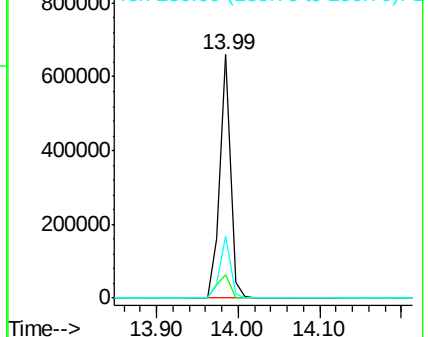
240 100

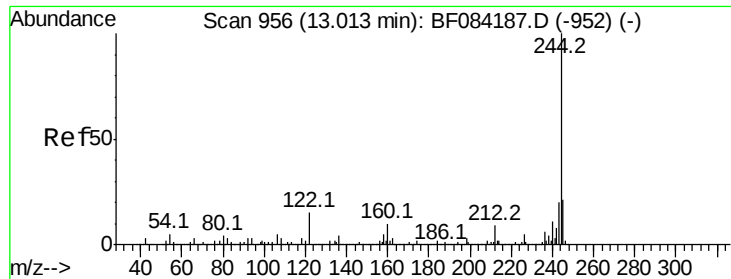
120 9.7 9.5 14.3

236 25.5 20.6 31.0



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: 81.43 ng

RT: 12.95 min Scan# 950

Delta R.T. 0.01 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

Instrument :
BNA_F
ClientSampled :

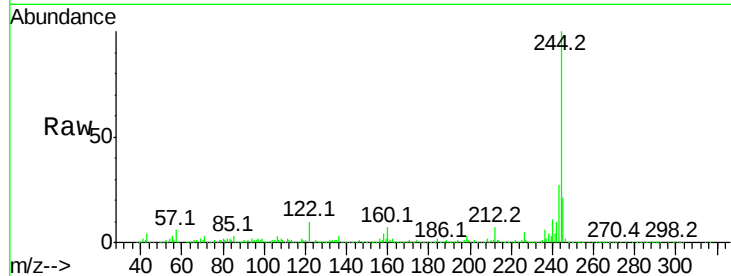
Tot Ion:244 Resp: 2203808

Ion Ratio Lower Upper

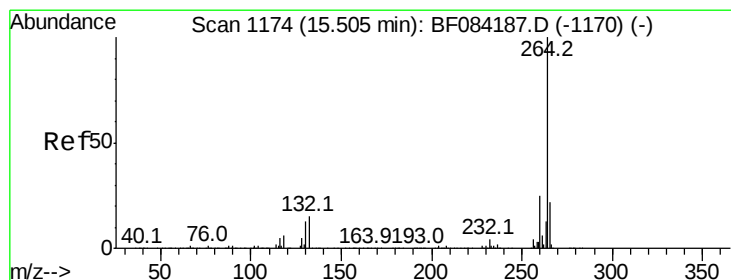
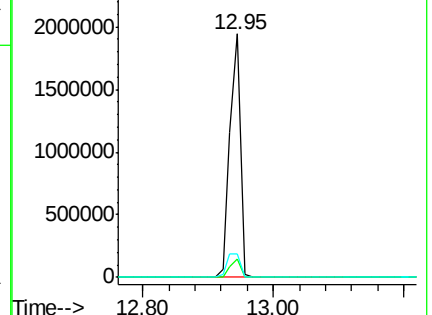
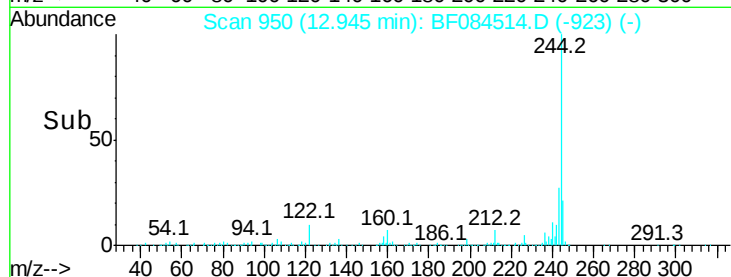
244 100

212 7.5 5.7 8.5

122 9.8 7.4 11.0



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: 20.00 ng

RT: 15.40 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF084514.D

Acq: 16 Jan 2016 2:33

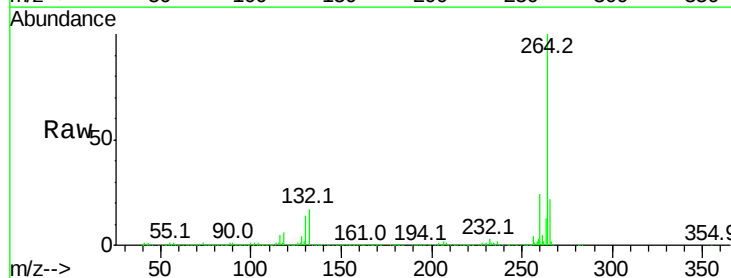
Tgt Ion:264 Resp: 539905

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 22.0 17.8 26.6



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

