

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102315\
 Data File : BF082484.D
 Acq On : 24 Oct 2015 00:14
 Operator : UM/IZ
 Sample : G4140-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB15-45-GW

Quant Time: Oct 24 04:55:40 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 24 04:47:19 2015
 Response via : Initial Calibration

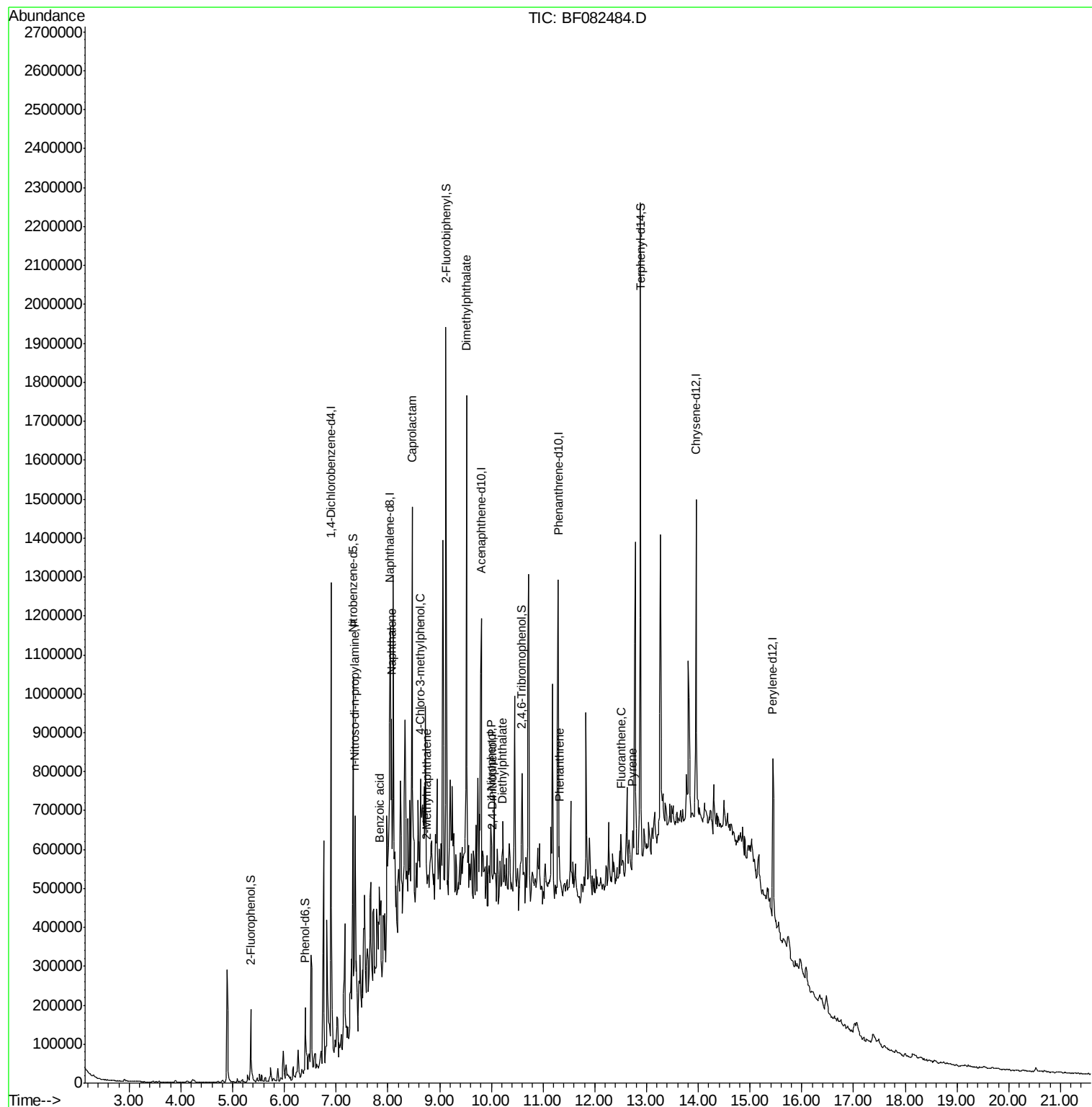
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	189016	20.00	ng	0.15
21) Naphthalene-d8	8.05	136	405891	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	191950	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	373296	20.00	ng	0.00
75) Chrysene-d12	13.96	240	296514	20.00	ng	0.00
86) Perylene-d12	15.44	264	222010	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	68117	7.27	ng	0.00
7) Phenol-d6	6.40	99	67588	5.55	ng	-0.01
23) Nitrobenzene-d5	7.33	82	325132	53.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	42943	23.86	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	594457	51.36	ng	-0.01
78) Terphenyl-d14	12.88	244	584000	52.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	22351	2.61	ng	Qvalue # 85
31) Naphthalene	8.07	128	142752	8.11	ng	99
32) Benzoic acid	7.84	122	28966	8.20	ng	82
35) Caprolactam	8.47	113	28766	18.84	ng	# 15
36) 4-Chloro-3-methylphenol	8.63	107	20432	3.97	ng	# 24
37) 2-Methylnaphthalene	8.75	142	29408	2.41	ng	# 91
49) Dimethylphthalate	9.52	163	170003	12.58	ng	100
53) 2,4-Dinitrophenol	10.01	184	232	6.53	ng	# 1
55) 4-Nitrophenol	10.00	139	7580	4.19	ng	# 15
59) Diethylphthalate	10.22	149	30865	2.45	ng	# 92
70) Phenanthrene	11.31	178	47522	2.60	ng	# 95
74) Fluoranthene	12.50	202	39757	2.02	ng	95
77) Pyrene	12.73	202	44732	2.54	ng	97

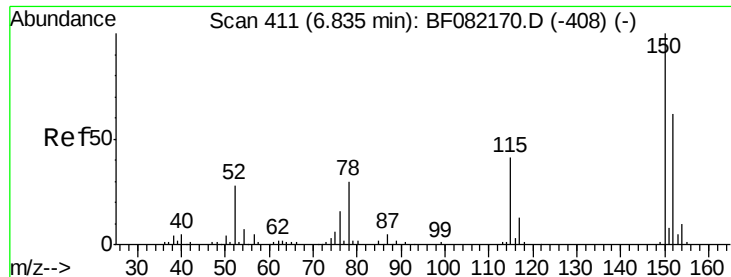
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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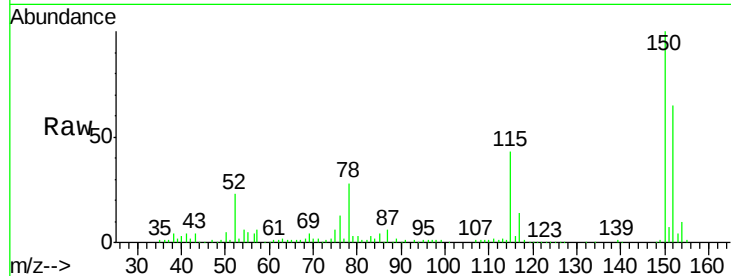


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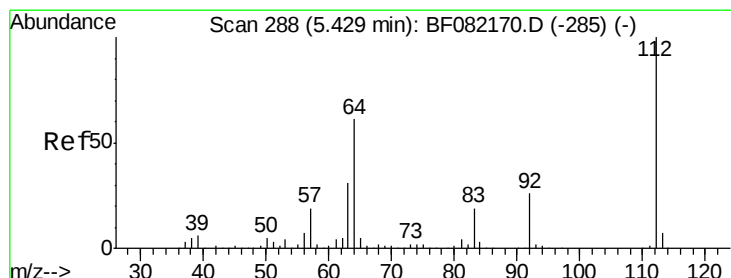
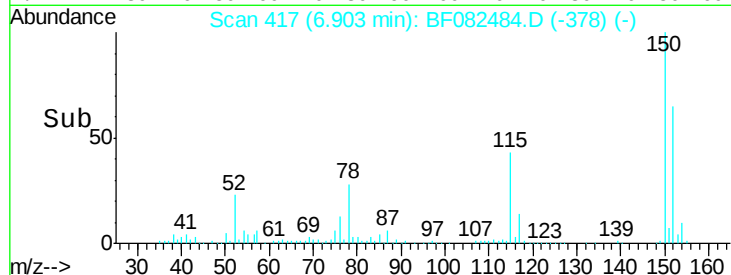
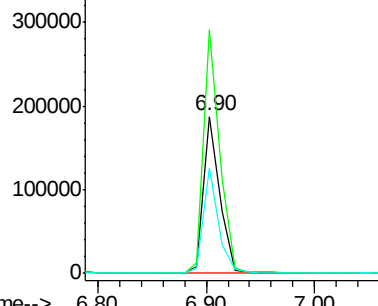
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 417
Delta R.T. 0.15 min
Lab File: BF082484.D
Acq: 24 Oct 2015 00:14

Instrument :
BNA_F
ClientSampleId :
SB15-45-GW

Tot Ion:152 Resp: 189016
Ion Ratio Lower Upper
152 100
150 155.0 129.0 193.4
115 67.3 52.1 78.1



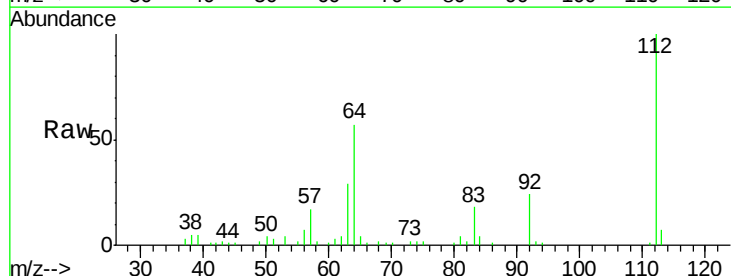
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



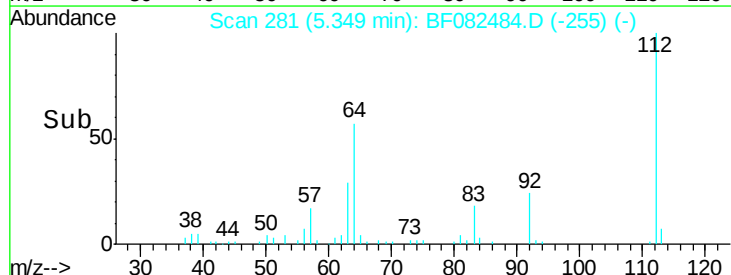
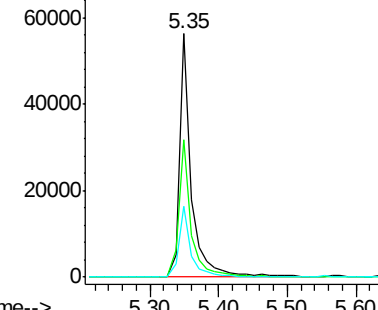
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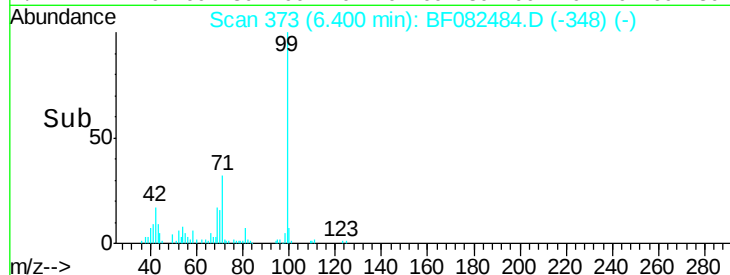
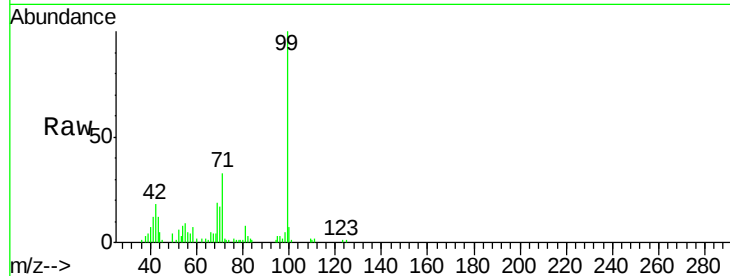
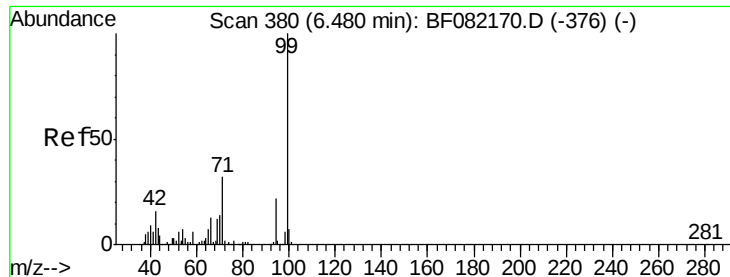
2-Fluorophenol
Concen: 7.27 ng
RT: 5.35 min Scan# 281
Delta R.T. 0.00 min
Lab File: BF082484.D
Acq: 24 Oct 2015 00:14

Tgt Ion:112 Resp: 68117
Ion Ratio Lower Upper
112 100
64 56.6 48.6 73.0
63 29.0 25.1 37.7



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: 5.55 ng

RT: 6.40 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

Instrument :

BNA_F

ClientSampleId :

SB15-45-GW

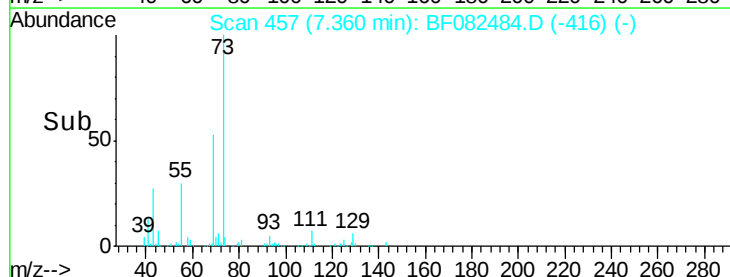
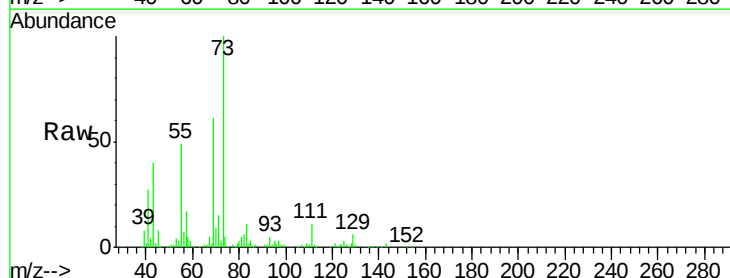
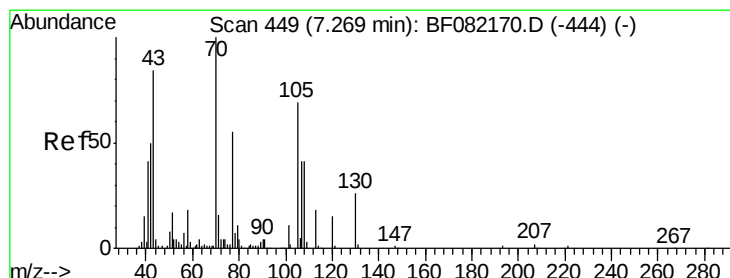
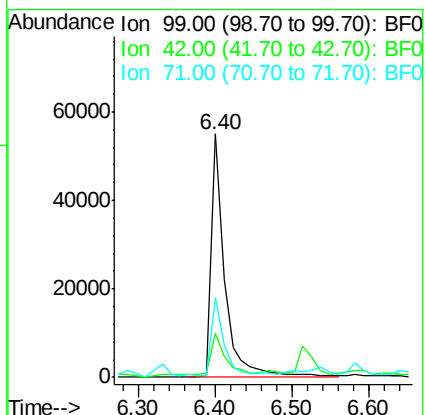
Tot Ion: 99 Resp: 67588

Ion Ratio Lower Upper

99 100

42 18.0 13.2 19.8

71 32.8 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.61 ng

RT: 7.36 min Scan# 457

Delta R.T. 0.17 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

Tgt Ion: 70 Resp: 22351

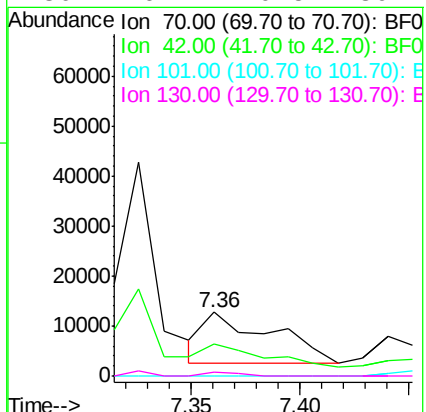
Ion Ratio Lower Upper

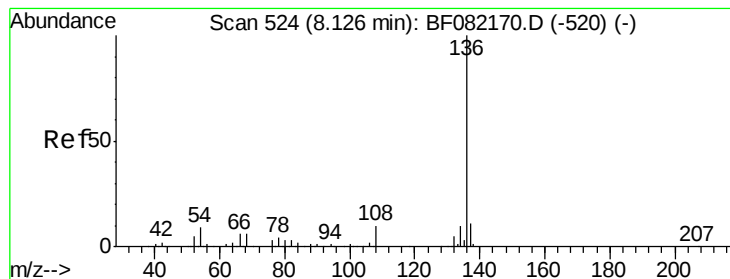
70 100

42 50.4 39.8 59.8

101 0.0 8.6 13.0#

130 6.2 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

Instrument :

BNA_F

ClientSampleId :

SB15-45-GW

Tot Ion:136 Resp: 405891

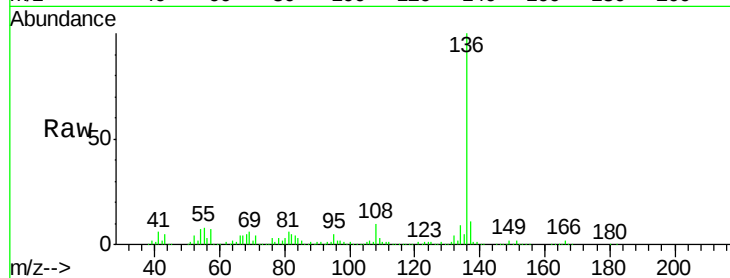
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 7.2 7.5 11.3#

68 5.1 4.6 7.0

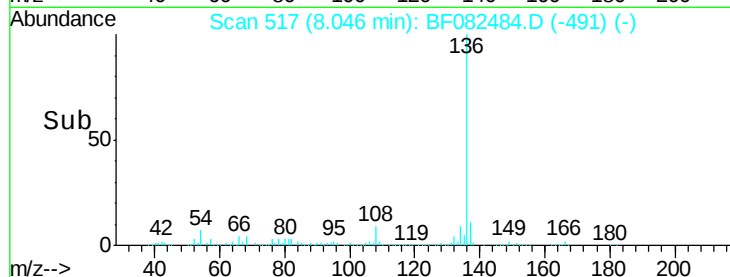


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

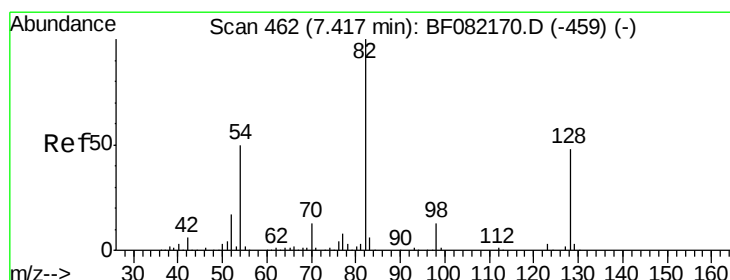
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.05



#23

Nitrobenzene-d5

Concen: 53.79 ng

RT: 7.33 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

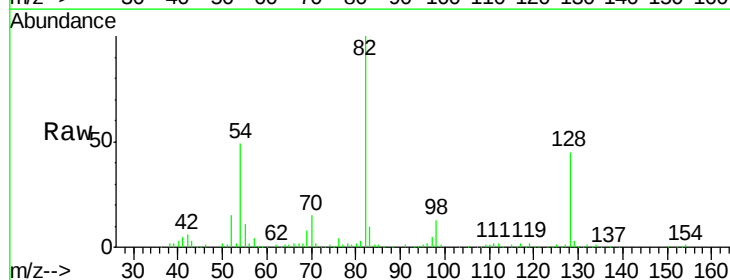
Tgt Ion: 82 Resp: 325132

Ion Ratio Lower Upper

82 100

128 45.5 38.7 58.1

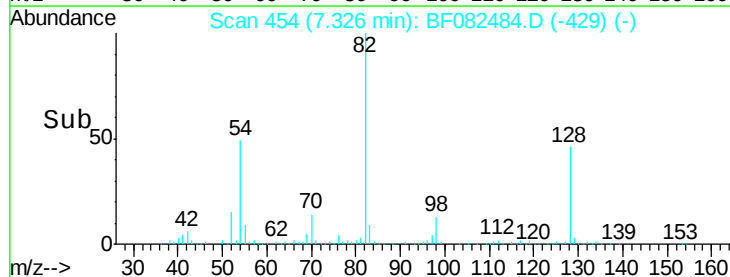
54 49.0 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

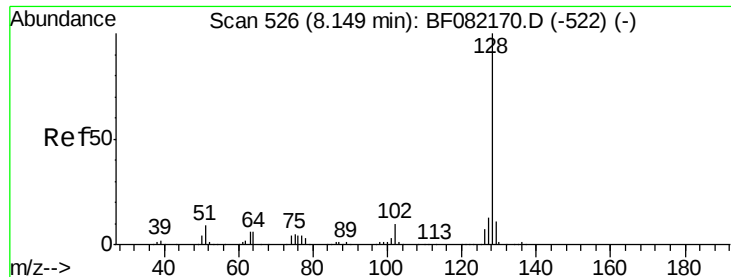
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

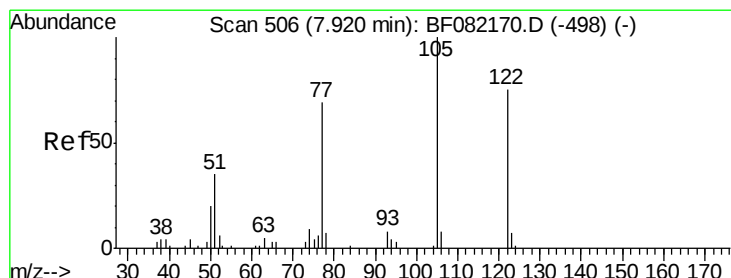
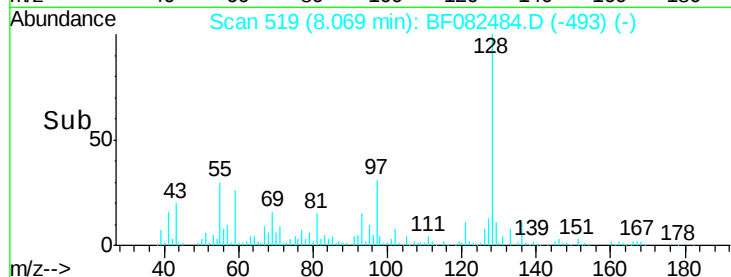
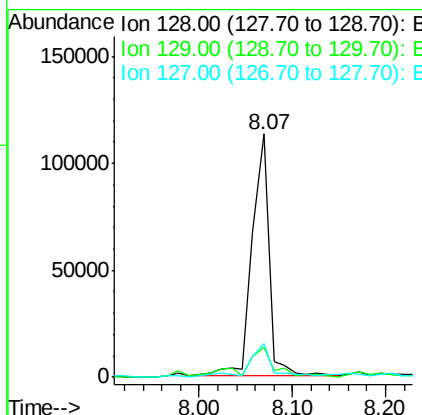
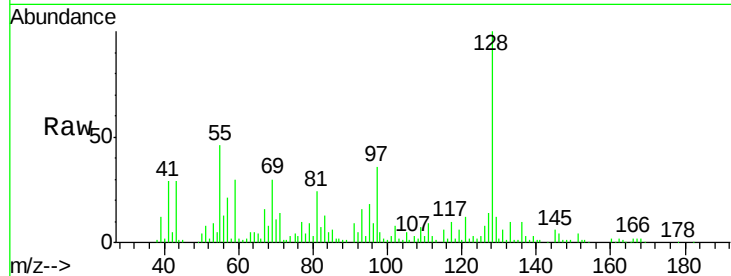
7.33



#31
Naphthalene
Concen: 8.11 ng
RT: 8.07 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF082484.D
Acq: 24 Oct 2015 00:14

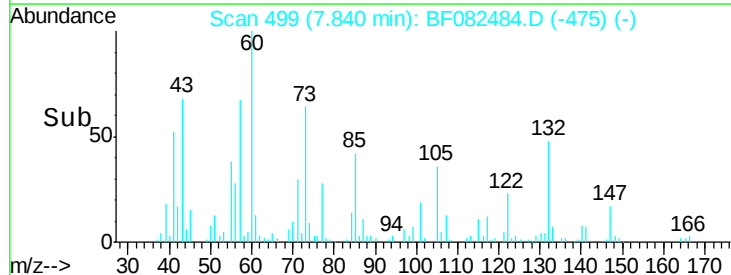
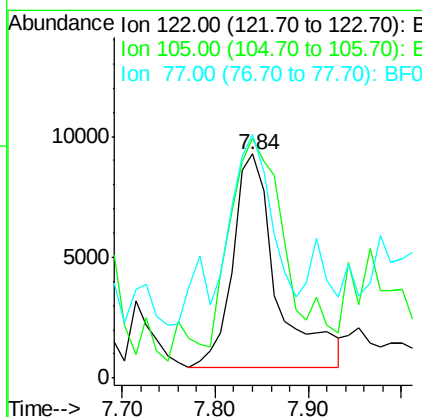
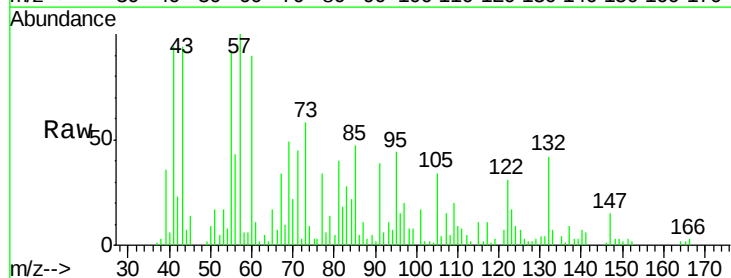
Instrument :
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ClientSampleId :
SB15-45-GW

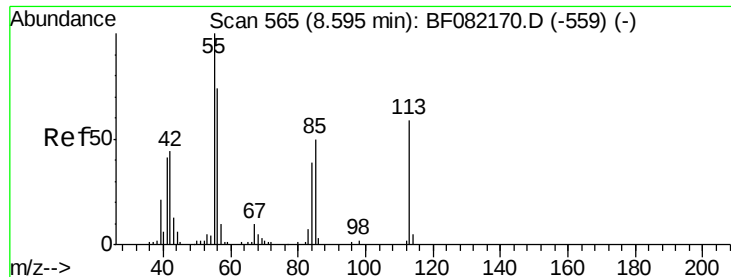
Tot Ion:128 Resp: 142752
Ion Ratio Lower Upper
128 100
129 12.2 9.1 13.7
127 13.7 10.7 16.1



#32
Benzoic acid
Concen: 8.20 ng
RT: 7.84 min Scan# 499
Delta R.T. -0.02 min
Lab File: BF082484.D
Acq: 24 Oct 2015 00:14

Tgt Ion:122 Resp: 28966
Ion Ratio Lower Upper
122 100
105 107.0 104.4 144.4
77 108.5 69.0 109.0

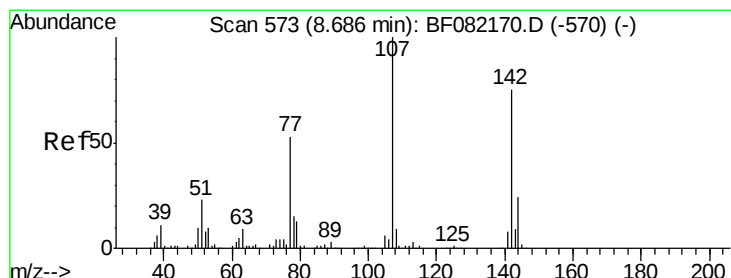
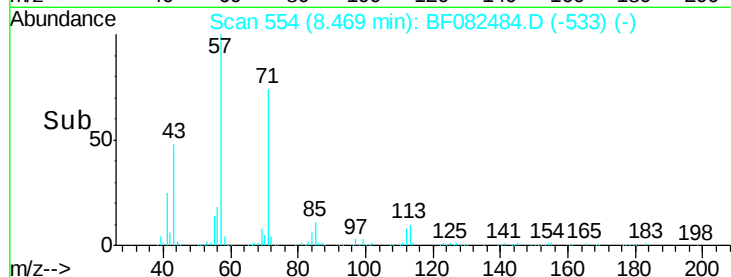
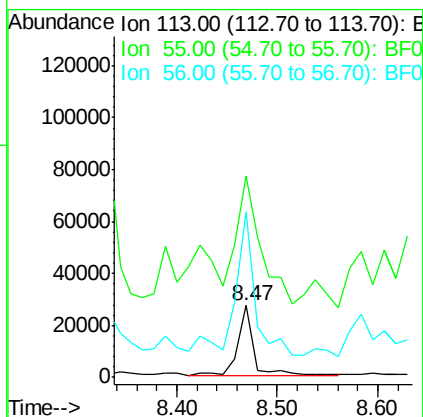
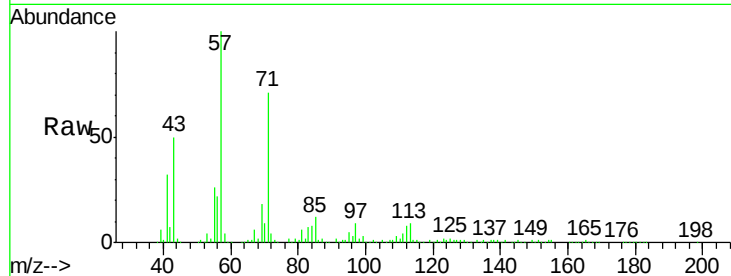




#35
 Caprolactam
 Concen: 18.84 ng
 RT: 8.47 min Scan# 554
 Delta R.T. -0.06 min
 Lab File: BF082484.D
 Acq: 24 Oct 2015 00:14

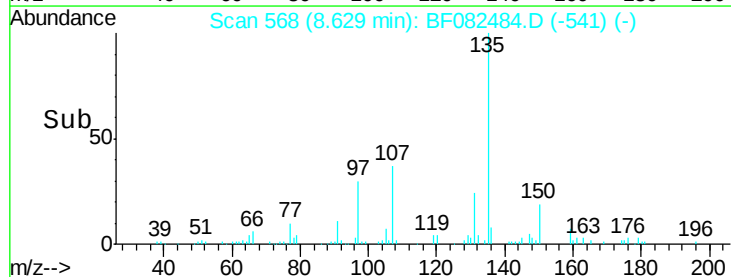
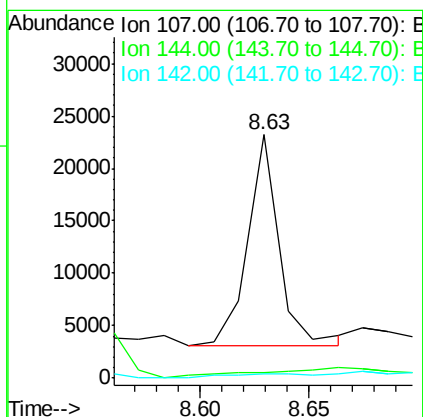
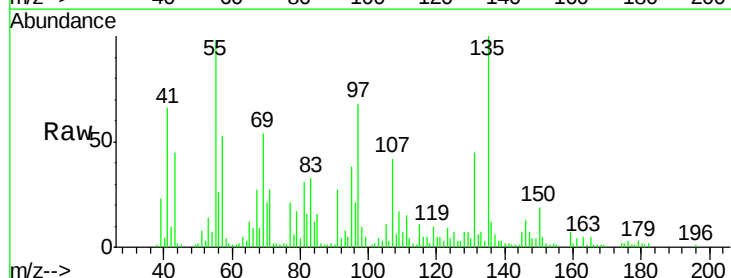
Instrument :
 BNA_F
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 SB15-45-GW

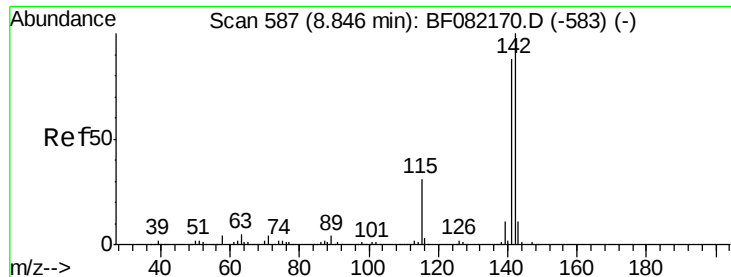
Tot Ion:113 Resp: 28766
 Ion Ratio Lower Upper
 113 100
 55 279.7 149.7 189.7#
 56 230.3 105.4 145.4#



#36
 4-Chloro-3-methylphenol
 Concen: 3.97 ng
 RT: 8.63 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF082484.D
 Acq: 24 Oct 2015 00:14

Tgt Ion:107 Resp: 20432
 Ion Ratio Lower Upper
 107 100
 144 2.2 19.3 28.9#
 142 1.6 59.9 89.9#

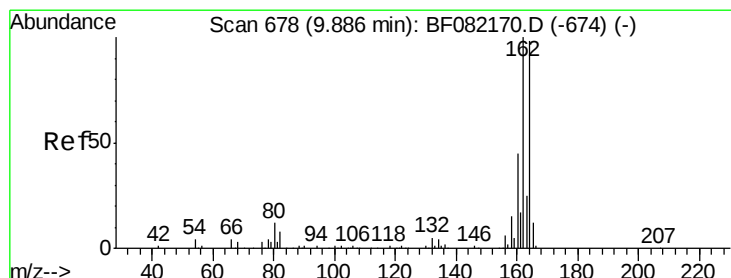
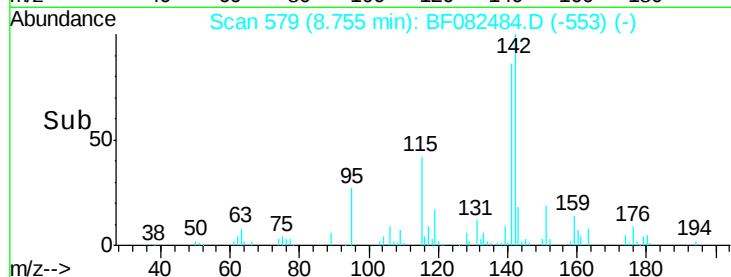
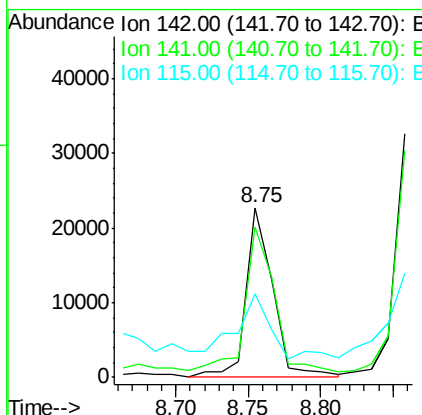
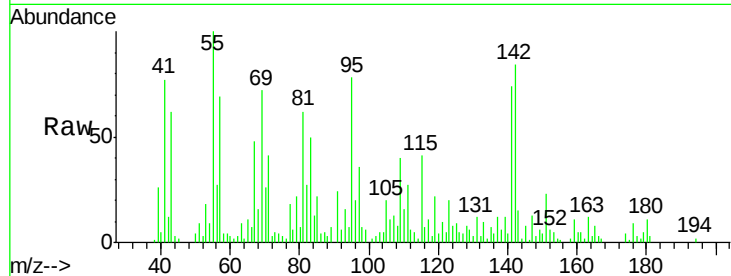




#37
 2-Methylnaphthalene
 Concen: 2.41 ng
 RT: 8.75 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF082484.D
 Acq: 24 Oct 2015 00:14

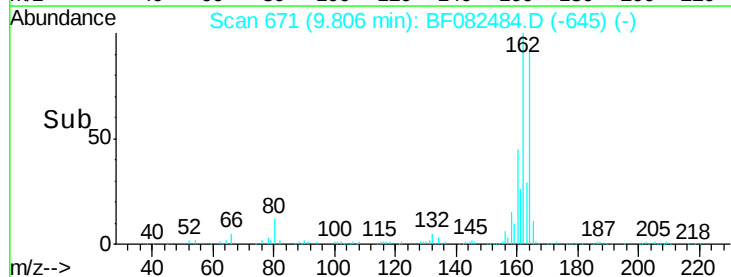
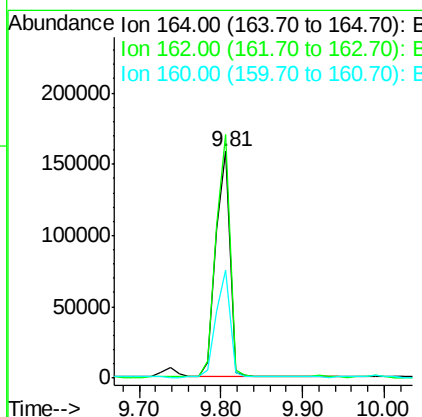
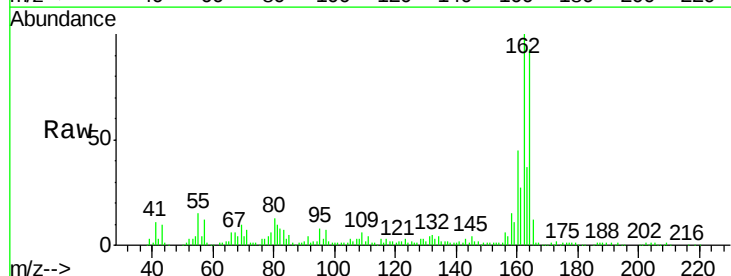
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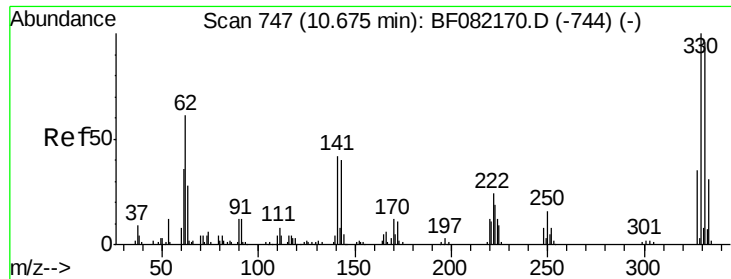
Tot Ion:142 Resp: 29408
 Ion Ratio Lower Upper
 142 100
 141 88.7 70.4 105.6
 115 49.0 24.6 37.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF082484.D
 Acq: 24 Oct 2015 00:14

Tgt Ion:164 Resp: 191950
 Ion Ratio Lower Upper
 164 100
 162 107.5 81.6 122.4
 160 47.8 36.4 54.6

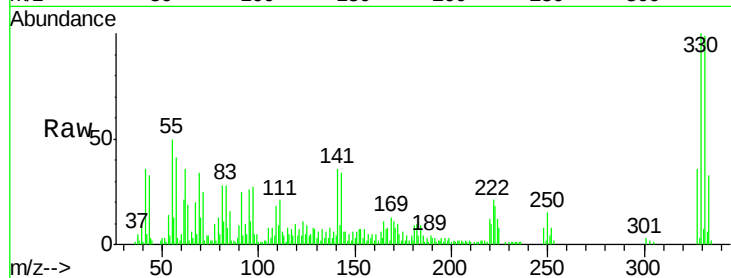




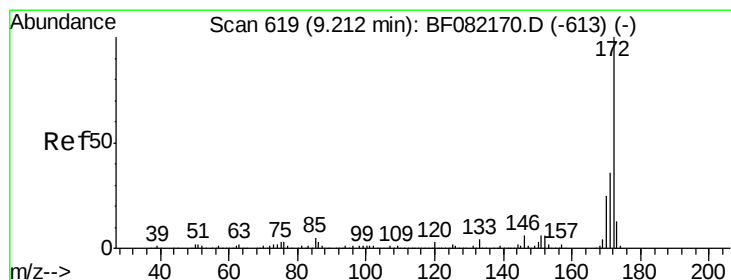
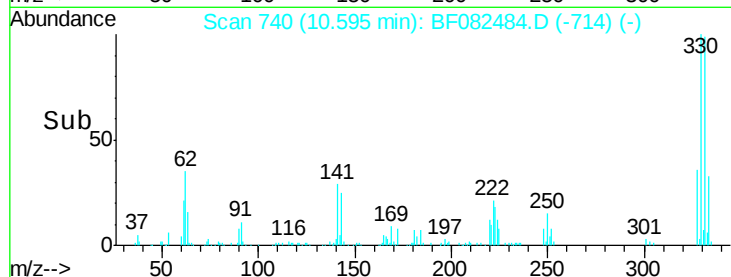
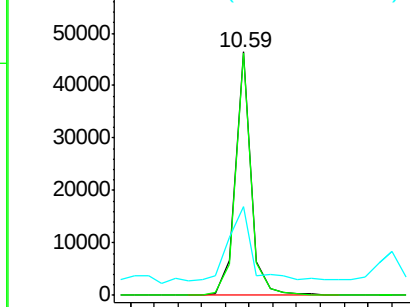
#41
 2,4,6-Tribromophenol
 Concen: 23.86 ng
 RT: 10.59 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF082484.D
 Acq: 24 Oct 2015 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SB15-45-GW

Tot Ion:330 Resp: 42943
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.1 115.7
 141 43.2 29.8 44.8

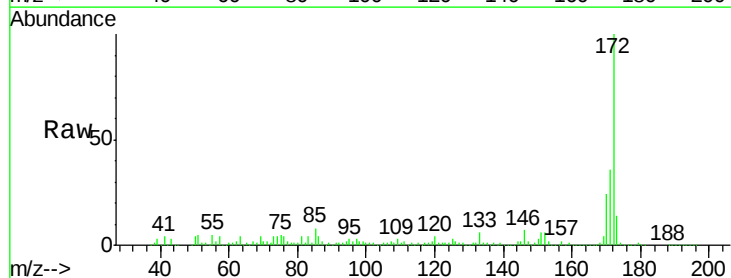


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

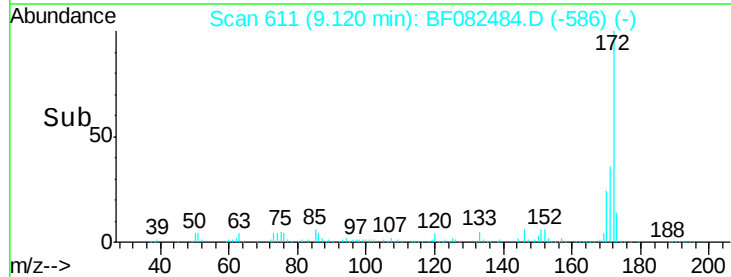
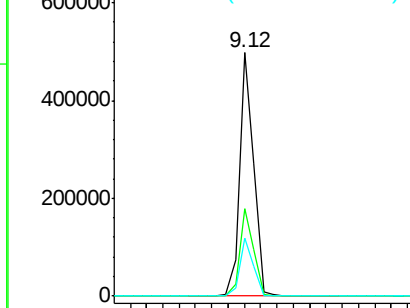


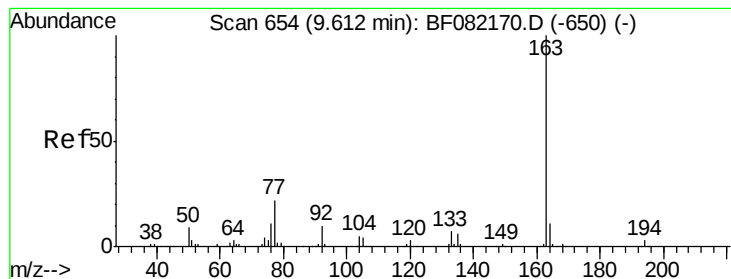
#44
 2-Fluorobiphenyl
 Concen: 51.36 ng
 RT: 9.12 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF082484.D
 Acq: 24 Oct 2015 00:14

Tgt Ion:172 Resp: 594457
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 42.8
 170 23.8 19.7 29.5



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





#49

Dimethylphthalate

Concen: 12.58 ng

RT: 9.52 min Scan# 646

Delta R.T. -0.02 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

Instrument :

BNA_F

ClientSampleId :

SB15-45-GW

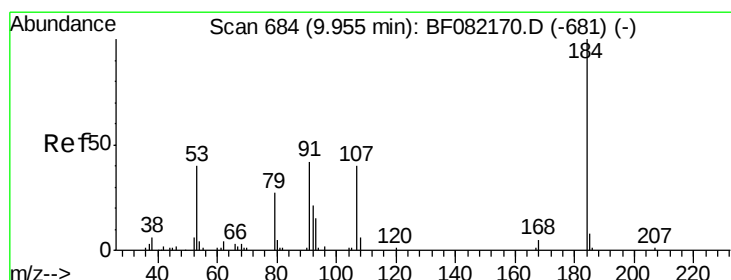
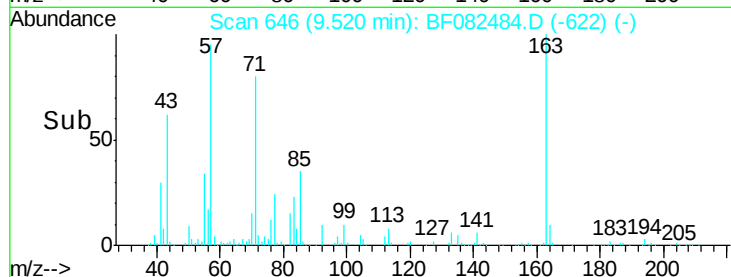
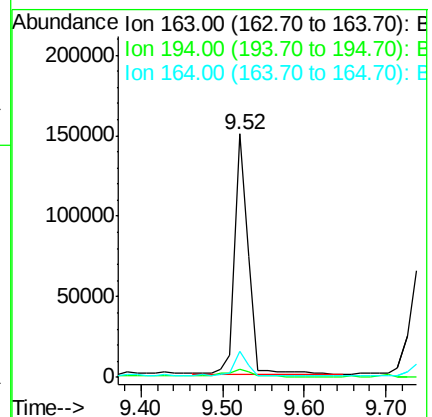
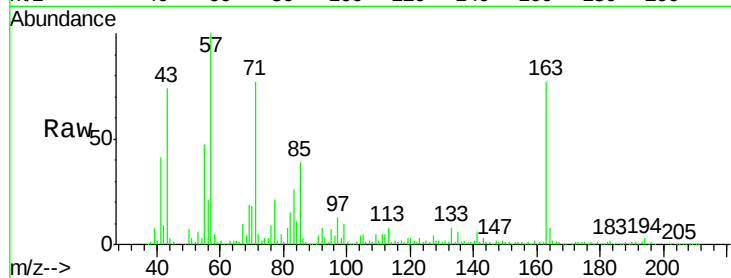
Tot Ion:163 Resp: 170003

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

164 10.6 8.5 12.7



#53

2,4-Dinitrophenol

Concen: 6.53 ng

RT: 10.01 min Scan# 689

Delta R.T. 0.13 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

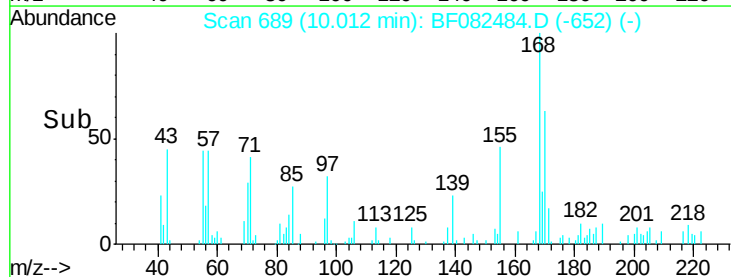
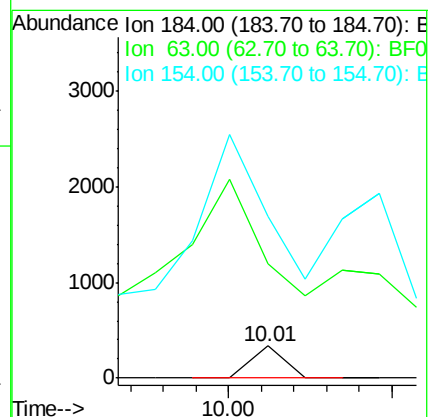
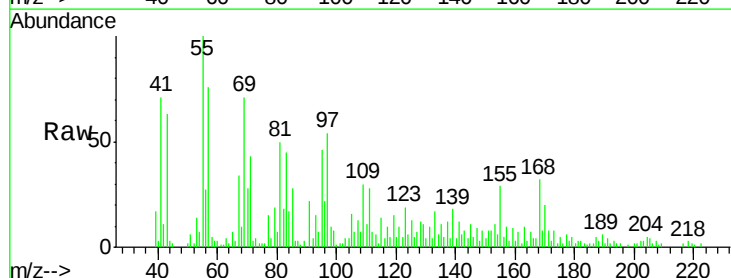
Tgt Ion:184 Resp: 232

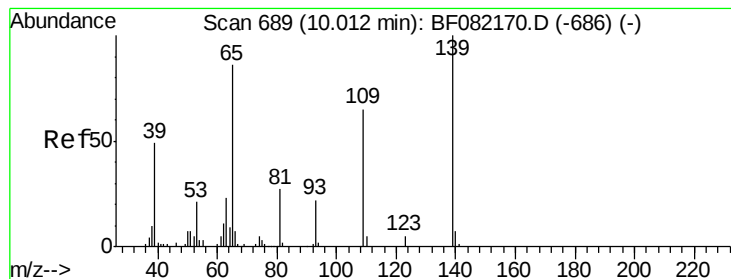
Ion Ratio Lower Upper

184 100

63 355.0 45.1 67.7#

154 499.4 51.2 76.8#





#55

4-Nitrophenol

Concen: 4.19 ng

RT: 10.00 min Scan# 688

Delta R.T. 0.05 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

Instrument :

BNA_F

ClientSampleId :

SB15-45-GW

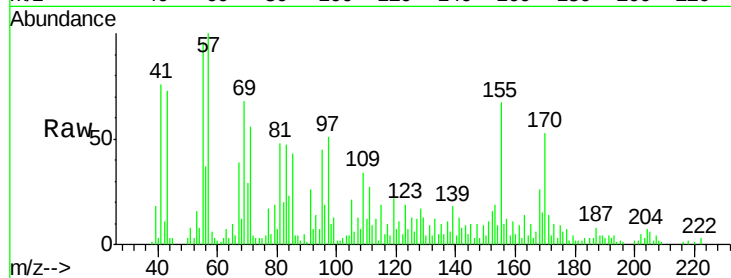
Tot Ion:139 Resp: 7580

Ion Ratio Lower Upper

139 100

109 186.4 44.8 84.8#

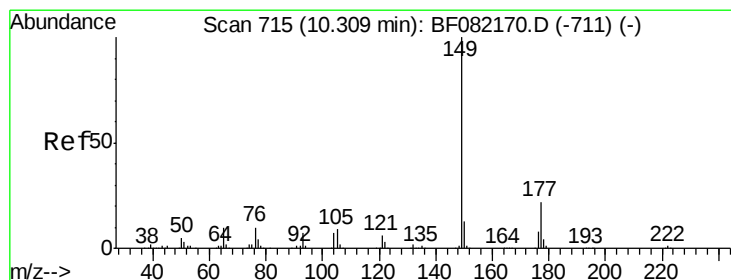
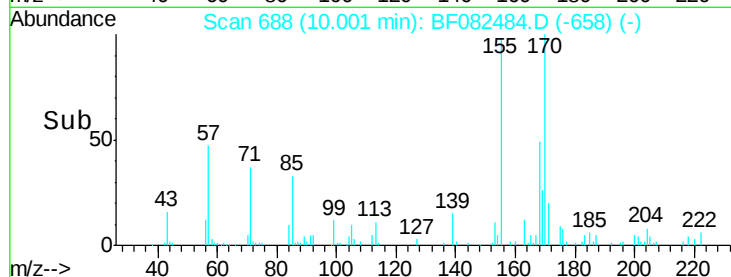
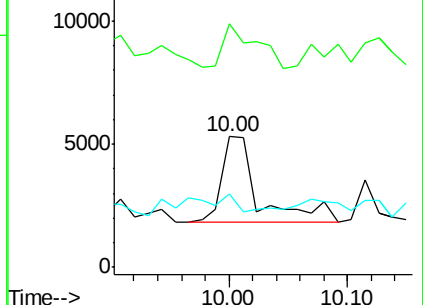
65 55.8 67.7 107.7#



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



#59

Diethylphthalate

Concen: 2.45 ng

RT: 10.22 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

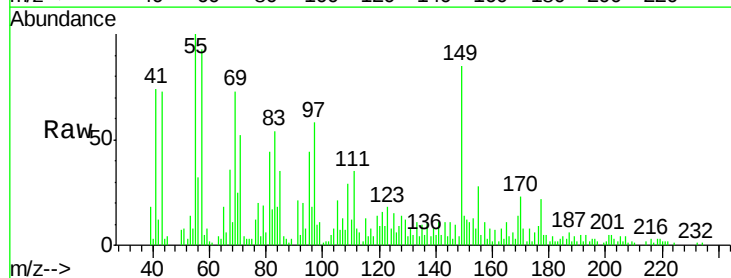
Tgt Ion:149 Resp: 30865

Ion Ratio Lower Upper

149 100

177 26.0 17.6 26.4

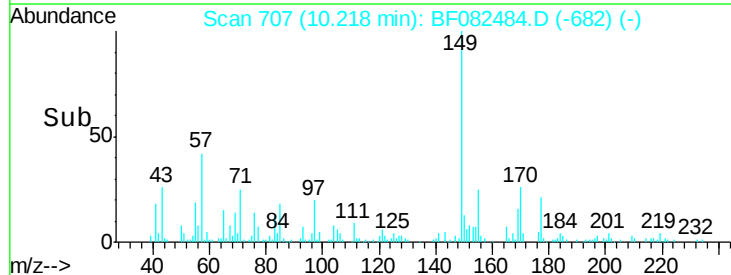
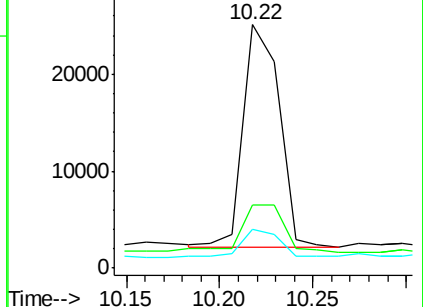
150 16.2 10.3 15.5#

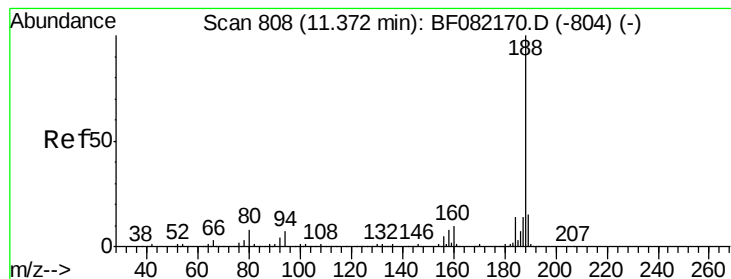


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 801

Delta R.T. 0.00 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

Instrument :

BNA_F

ClientSampleId :

SB15-45-GW

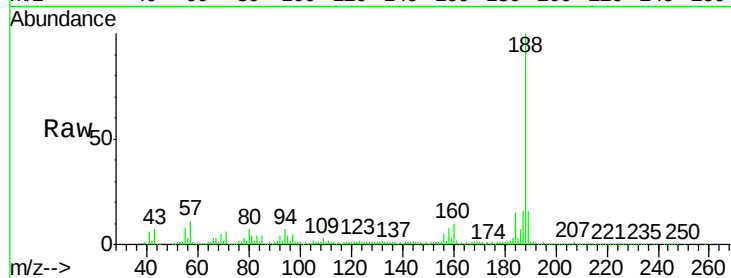
Tot Ion:188 Resp: 373296

Ion Ratio Lower Upper

188 100

94 6.6 5.8 8.6

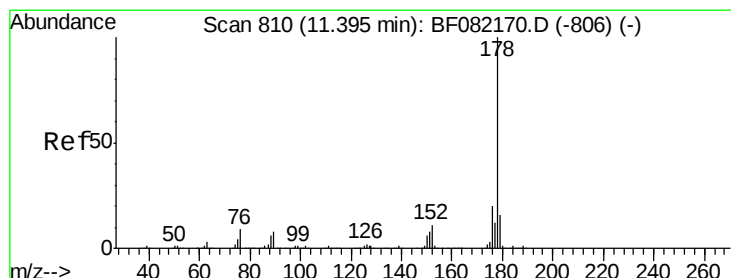
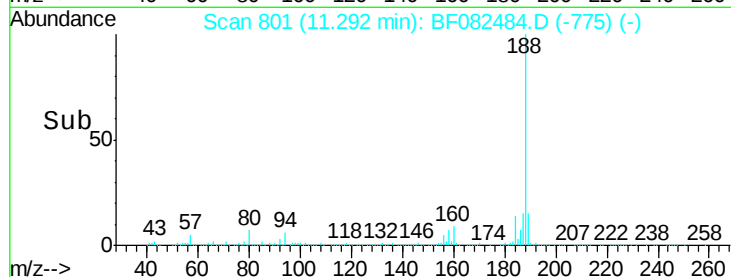
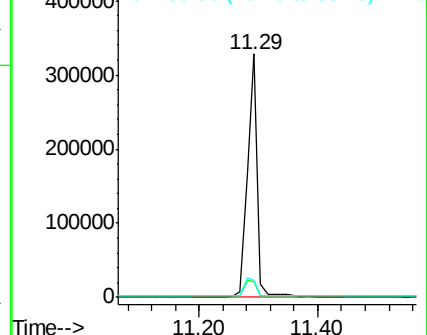
80 7.1 6.4 9.6



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



#70

Phenanthrene

Concen: 2.60 ng

RT: 11.31 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

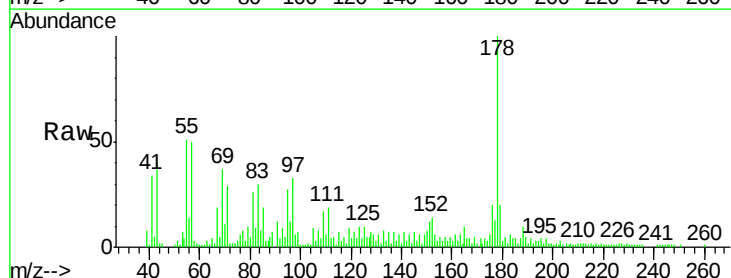
Tgt Ion:178 Resp: 47522

Ion Ratio Lower Upper

178 100

176 20.3 16.0 24.0

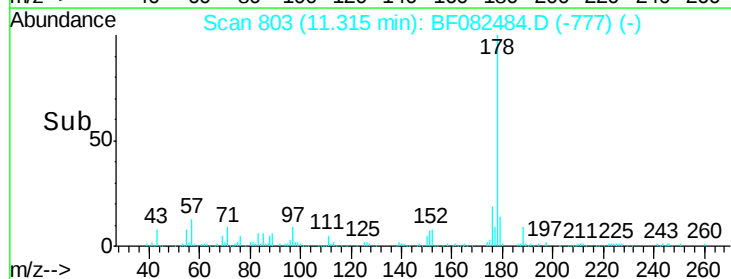
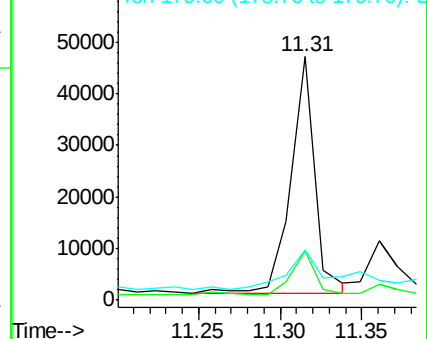
179 20.4 12.6 19.0#

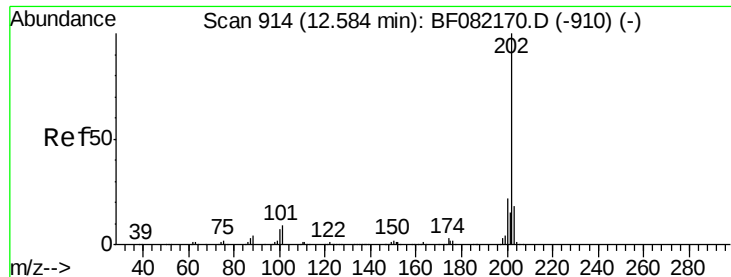


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.02 ng

RT: 12.50 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

Instrument :

BNA_F

ClientSampleId :

SB15-45-GW

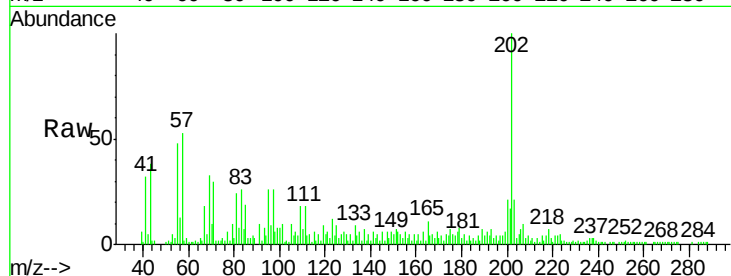
Tot Ion:202 Resp: 39757

Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.3

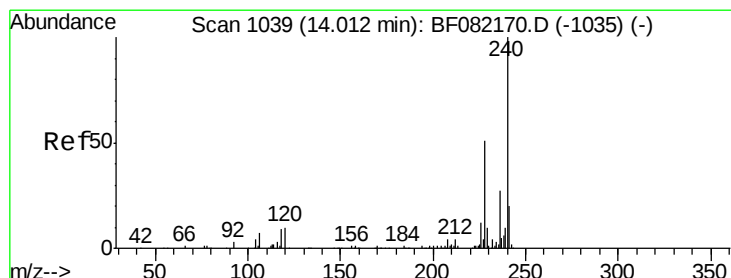
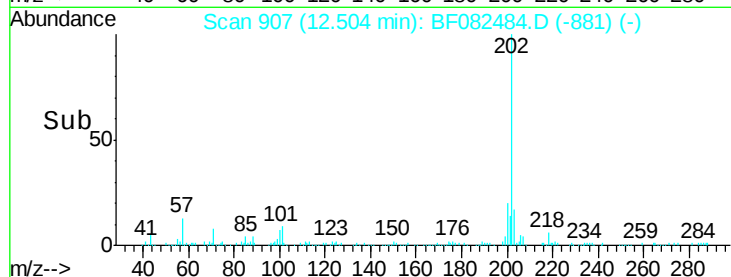
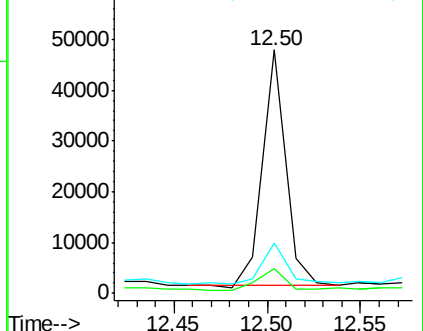
203 20.8 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

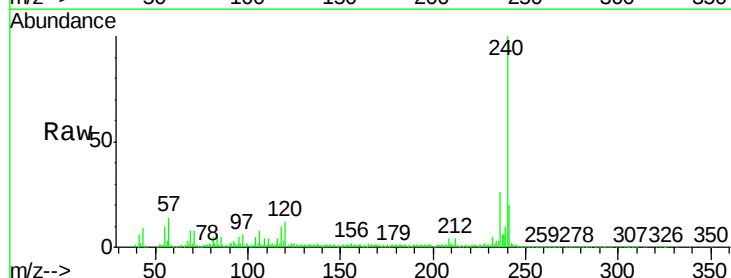
Tgt Ion:240 Resp: 296514

Ion Ratio Lower Upper

240 100

120 11.7 8.1 12.1

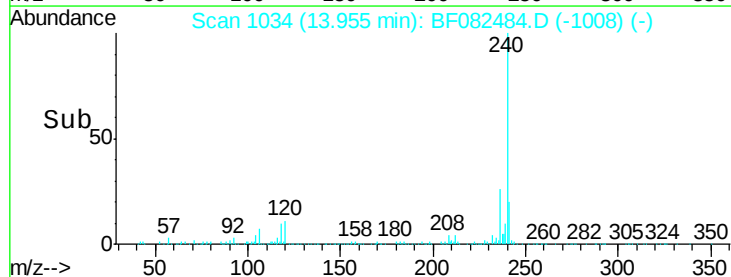
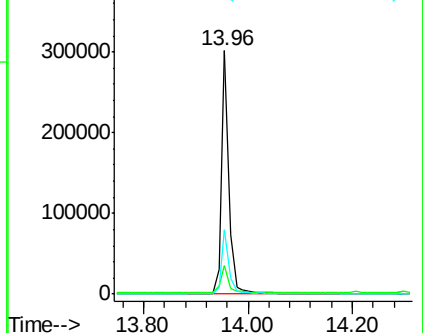
236 26.3 21.3 31.9

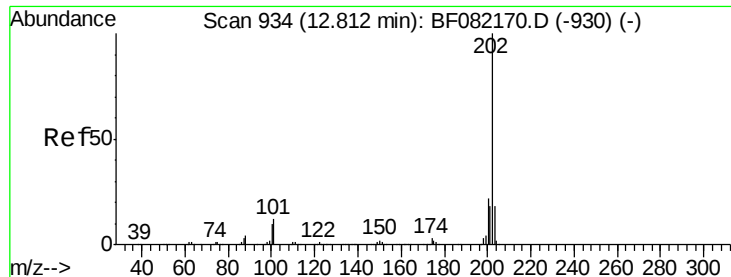


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.54 ng

RT: 12.73 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

Instrument :

BNA_F

ClientSampleId :

SB15-45-GW

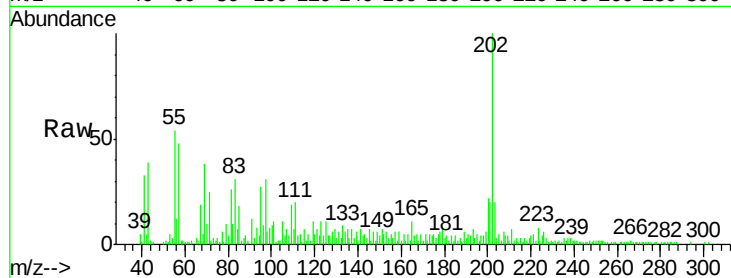
Tot Ion:202 Resp: 44732

Ion Ratio Lower Upper

202 100

200 22.0 17.9 26.9

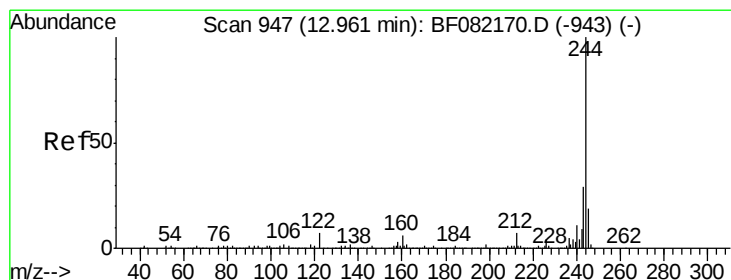
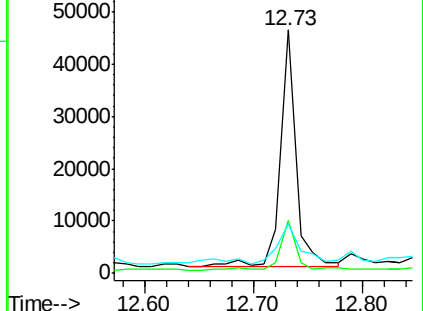
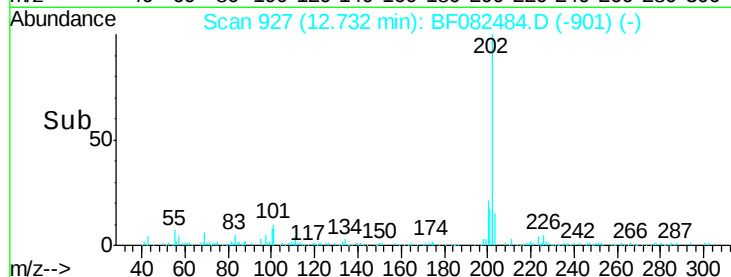
203 20.2 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 52.19 ng

RT: 12.88 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF082484.D

Acq: 24 Oct 2015 00:14

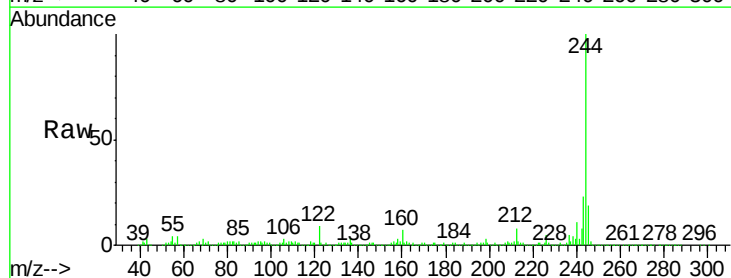
Tgt Ion:244 Resp: 584000

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

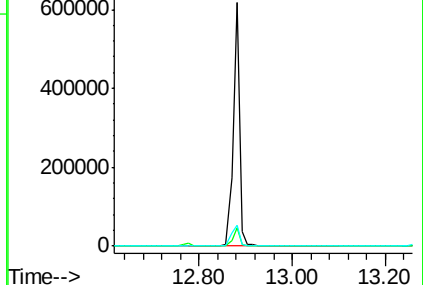
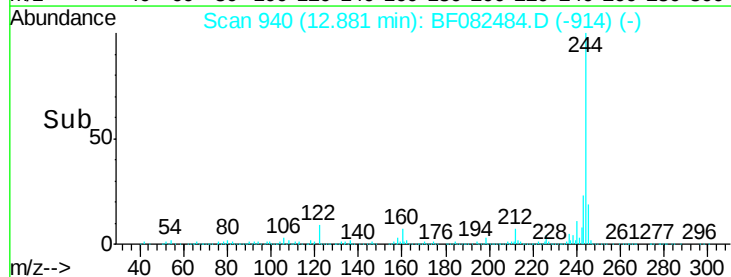
122 8.8 5.9 8.9

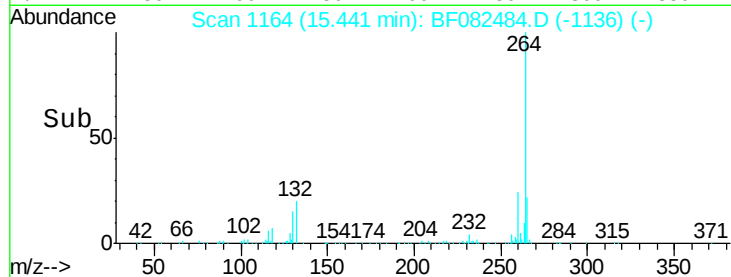
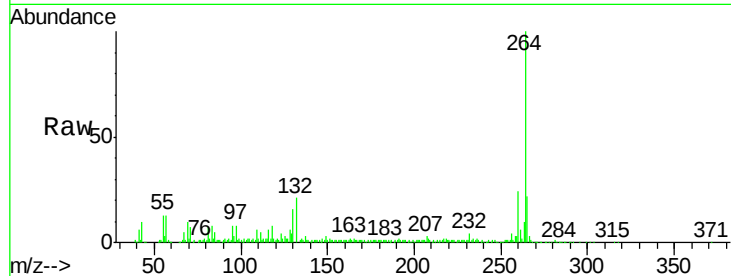
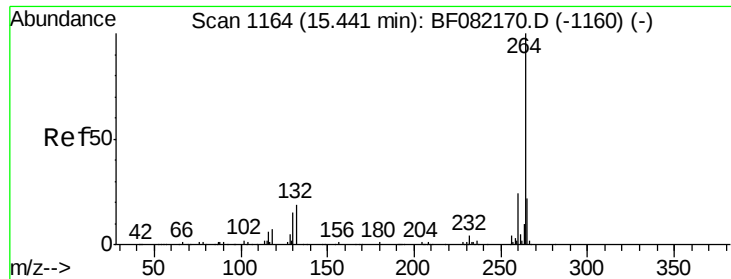


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 1164
Delta R.T. 0.02 min
Lab File: BF082484.D
Acq: 24 Oct 2015 00:14

Instrument :
BNA_F
ClientSampleId :
SB15-45-GW

Tot Ion	Ion	Ratio	Lower	Upper
222010	264	100		
	260	24.2	19.0	28.6
	265	22.0	17.3	25.9

