

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\
 Data File : BF082410.D
 Acq On : 21 Oct 2015 18:03
 Operator : UM/IZ
 Sample : G4103-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-11

Quant Time: Oct 22 10:07:05 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 13:20:24 2015
 Response via : Initial Calibration

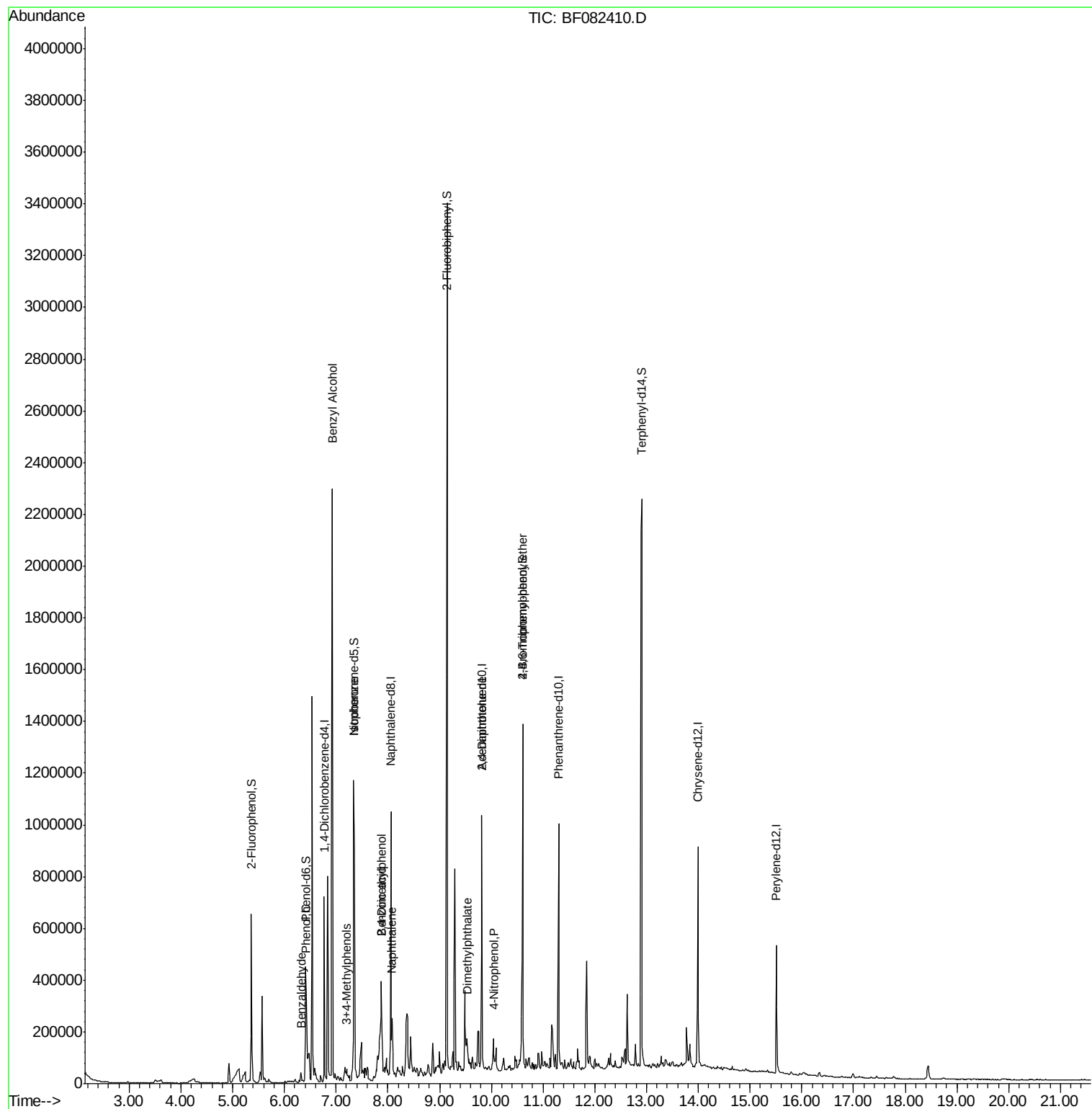
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	112342	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	454817	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	222251	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	411568	20.00	ng	0.00
75) Chrysene-d12	13.99	240	344293	20.00	ng	-0.02
86) Perylene-d12	15.51	264	242840	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	210876	37.88	ng	0.00
7) Phenol-d6	6.41	99	161897	22.35	ng	-0.01
23) Nitrobenzene-d5	7.34	82	548518	80.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	144628	69.39	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1215362	90.69	ng	0.00
78) Terphenyl-d14	12.90	244	1099747	84.64	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.32	77	11866	3.21	ng	88
10) Phenol	6.42	94	100676	12.05	ng	87
15) Benzyl Alcohol	6.93	79	16601	3.32	ng	# 64
20) 3+4-Methylphenols	7.20	107	15650	2.44	ng	# 62
25) Isophorone	7.34	82	499626	36.55	ng	# 66
27) 2,4-Dimethylphenol	7.87	122	133287	22.60	ng	# 7
31) Naphthalene	8.08	128	44919	2.28	ng	99
32) Benzoic acid	7.87	122	137065	34.63	ng	97
49) Dimethylphthalate	9.53	163	39250	2.51	ng	98
55) 4-Nitrophenol	10.05	139	7813	3.58	ng	# 85
56) 2,4-Dinitrotoluene	9.82	165	29625	7.18	ng	# 24
66) 4-Bromophenyl-phenylether	10.61	248	11803	2.87	ng	# 1

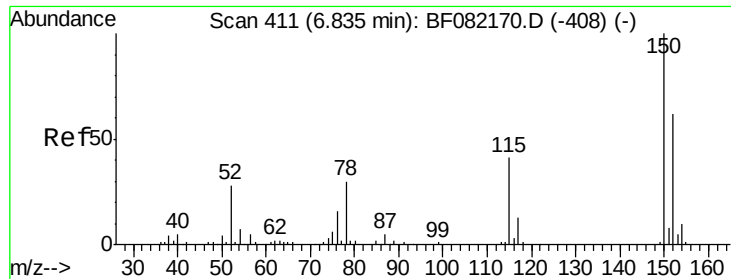
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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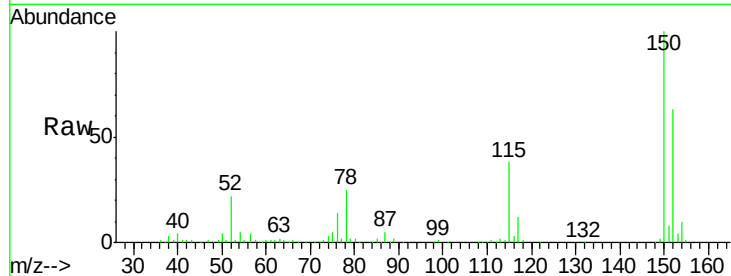


#1

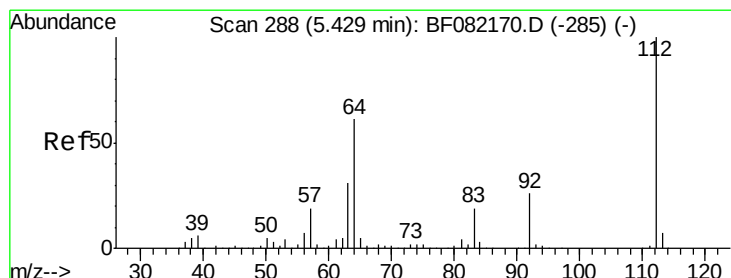
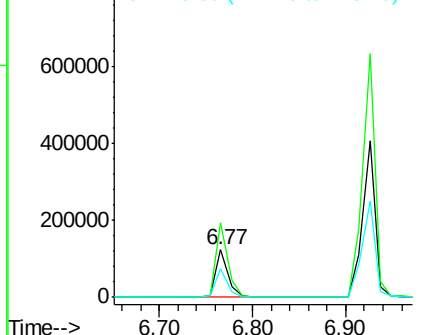
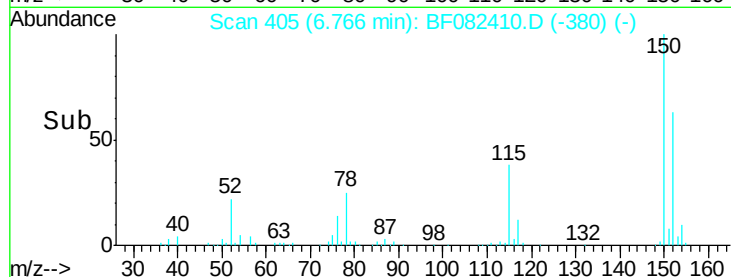
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF082410.D
Acq: 21 Oct 2015 18:03

Instrument :
BNA_F
ClientSampleId :
TEC-11

Tot Ion:152 Resp: 112342
Ion Ratio Lower Upper
152 100
150 157.6 129.0 193.4
115 59.2 52.1 78.1



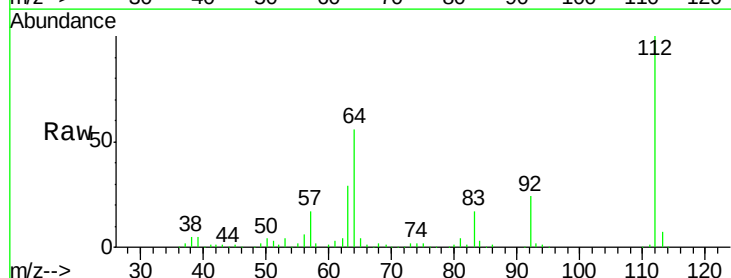
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



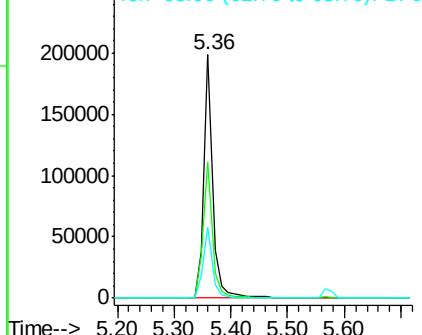
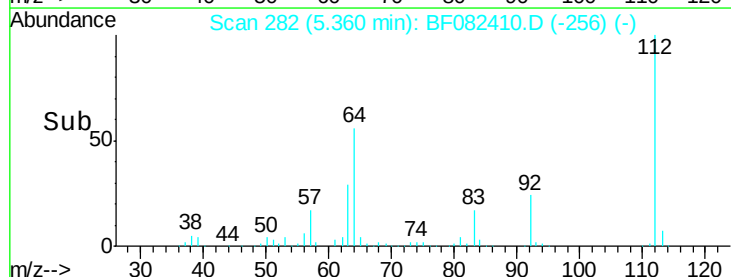
#5

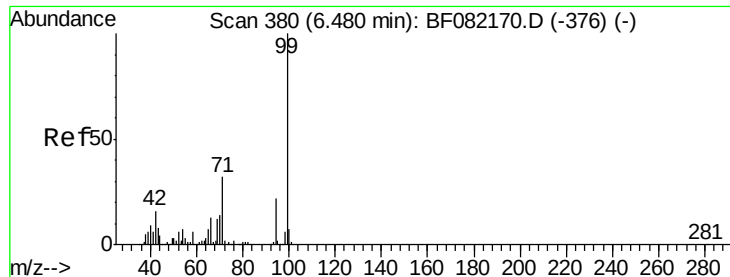
2-Fluorophenol
Concen: 37.88 ng
RT: 5.36 min Scan# 282
Delta R.T. 0.00 min
Lab File: BF082410.D
Acq: 21 Oct 2015 18:03

Tgt Ion:112 Resp: 210876
Ion Ratio Lower Upper
112 100
64 56.0 48.6 73.0
63 29.3 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: 22.35 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

Instrument :

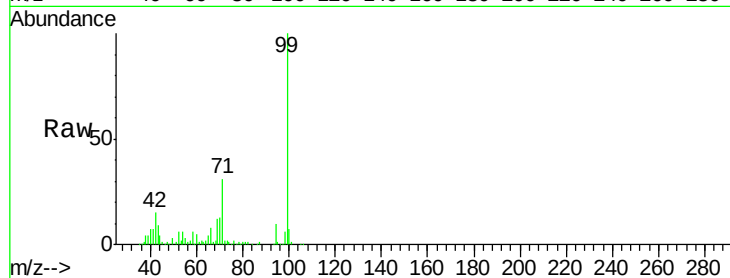
BNA_F

ClientSampleId :

TEC-11

Tot Ion: 99 Resp: 161897

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.2	19.8
71	30.8	25.6	38.4

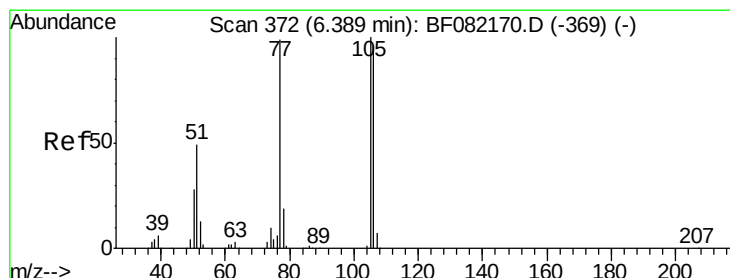
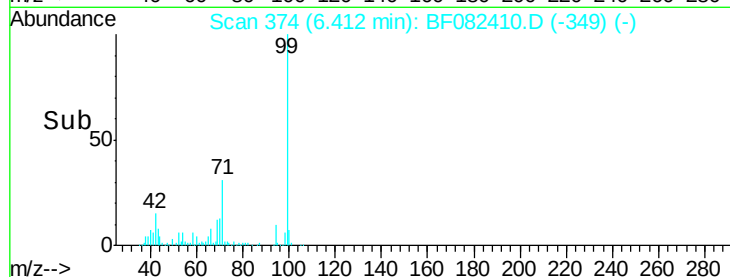
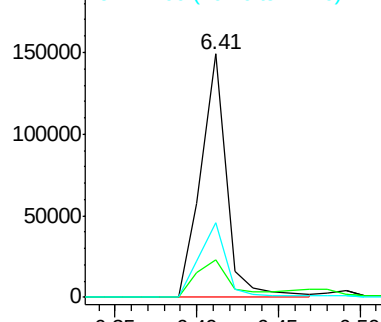


Abundance

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



#9

Benzaldehyde

Concen: 3.21 ng

RT: 6.32 min Scan# 366

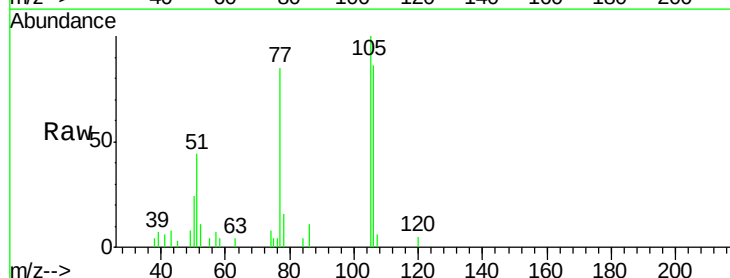
Delta R.T. 0.00 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

Tgt Ion: 77 Resp: 11866

Ion	Ratio	Lower	Upper
77	100		
105	118.0	80.6	120.6
106	101.3	75.5	115.5

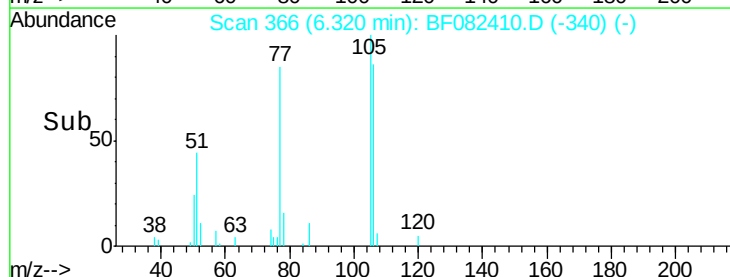
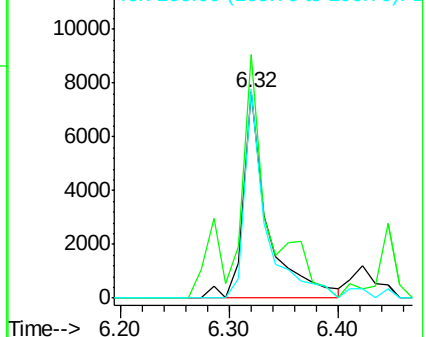


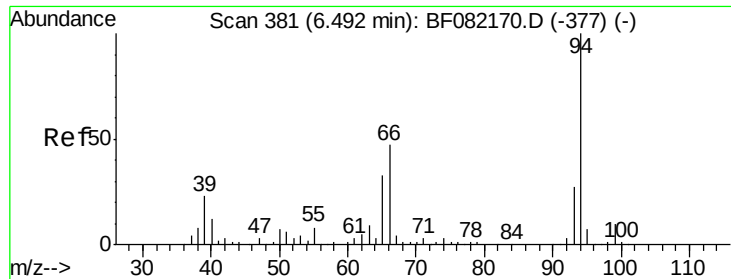
Abundance

Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 12.05 ng

RT: 6.42 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

Instrument :

BNA_F

ClientSampled :

TEC-11

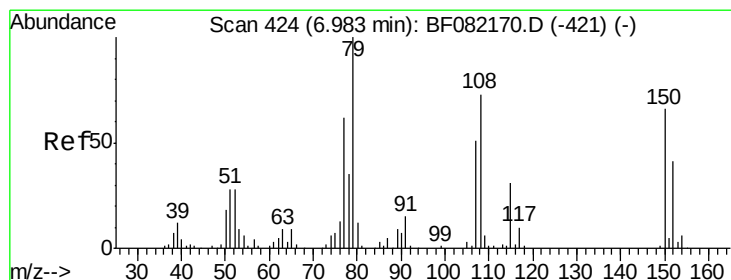
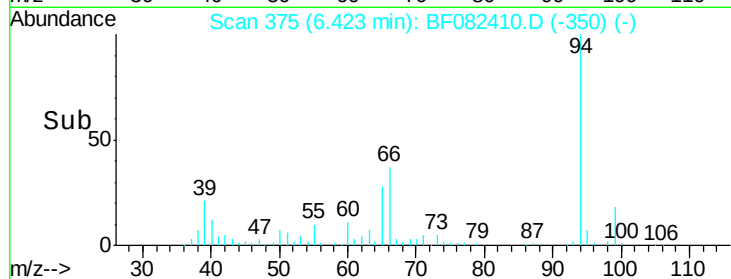
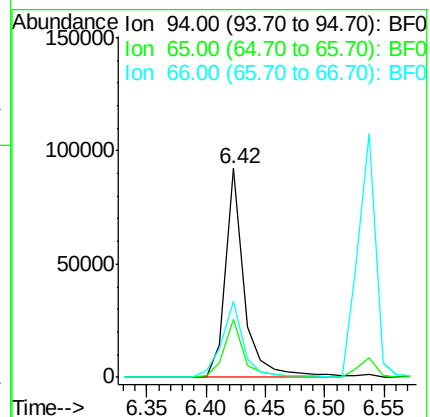
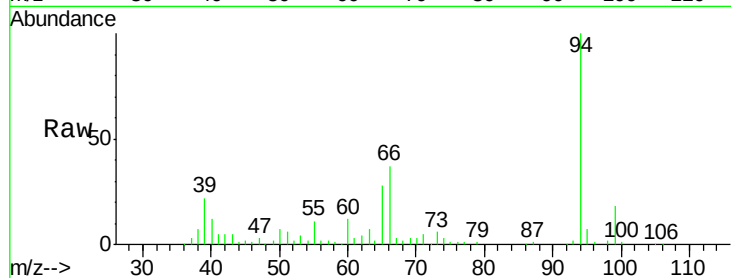
Tot Ion: 94 Resp: 100676

Ion Ratio Lower Upper

94 100

65 28.1 12.6 52.6

66 36.6 27.3 67.3



#15

Benzyl Alcohol

Concen: 3.32 ng

RT: 6.93 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

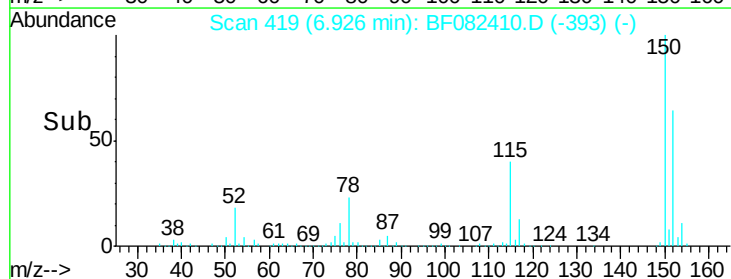
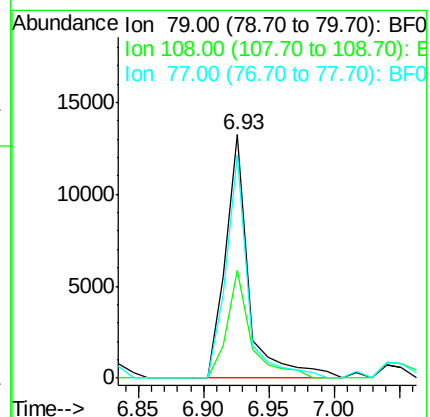
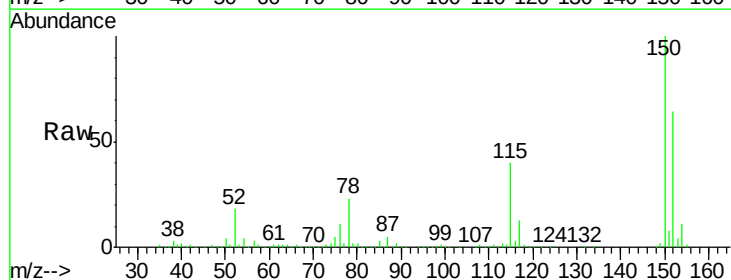
Tgt Ion: 79 Resp: 16601

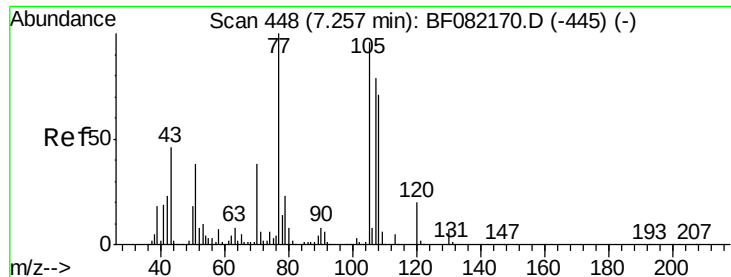
Ion Ratio Lower Upper

79 100

108 44.1 58.4 87.6#

77 91.6 49.8 74.6#





#20

3+4-Methylphenols

Concen: 2.44 ng

RT: 7.20 min Scan# 443

Delta R.T. 0.00 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

Instrument :

BNA_F

ClientSampleId :

TEC-11

Tot Ion:107 Resp: 15650

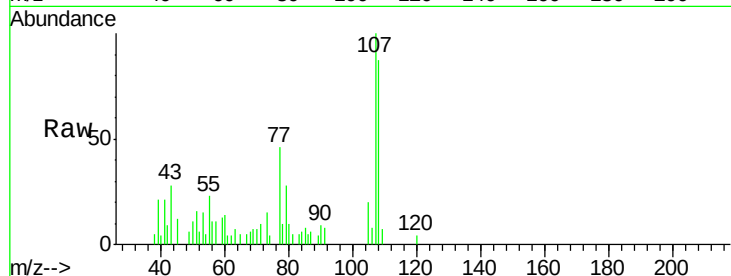
Ion Ratio Lower Upper

107 100

108 86.8 69.9 109.9

77 45.7 106.0 146.0#

79 28.4 9.8 49.8

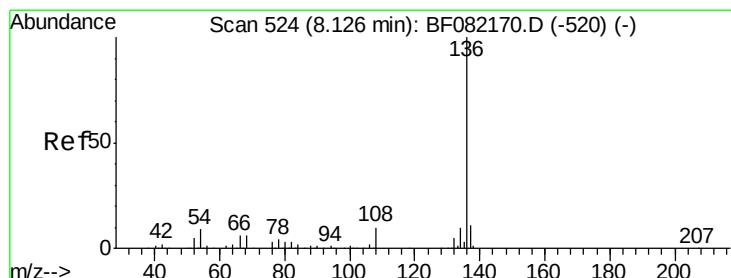
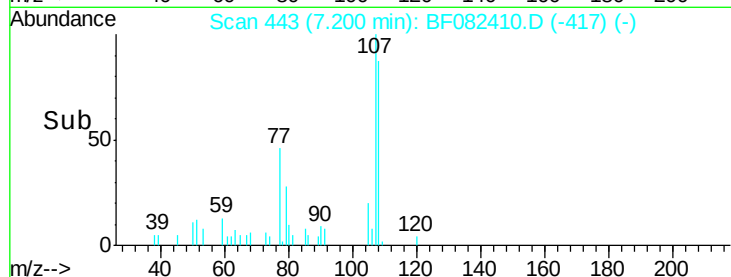
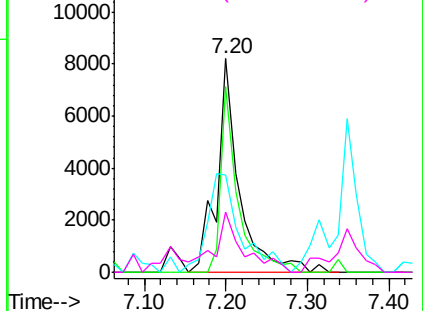


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

Tgt Ion:136 Resp: 454817

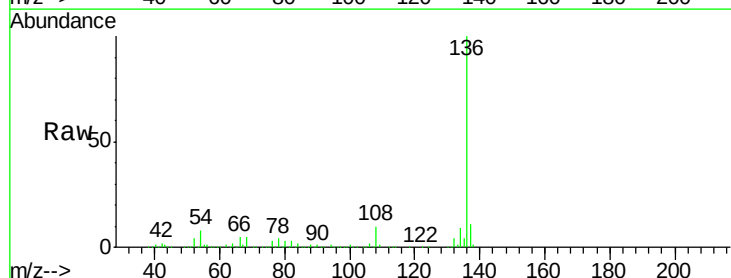
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 7.7 7.5 11.3

68 5.2 4.6 7.0

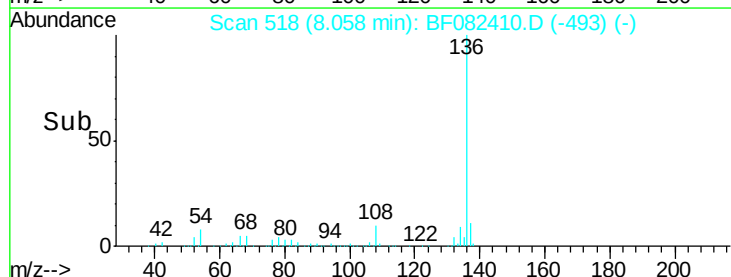
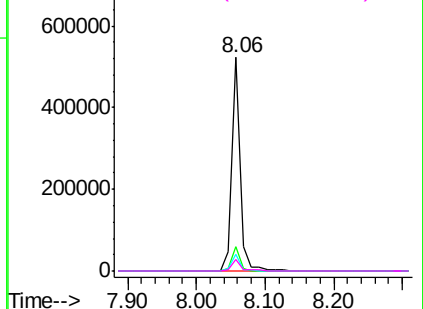


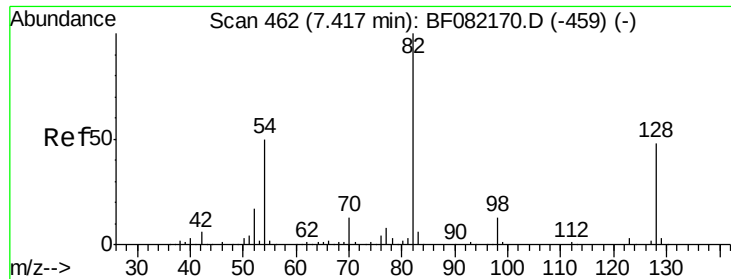
Abundance Ion 136.00 (135.70 to 136.70): E

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

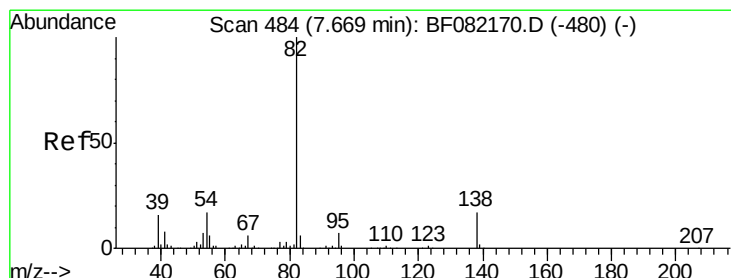
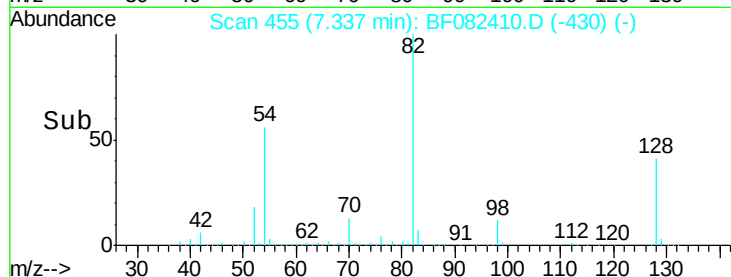
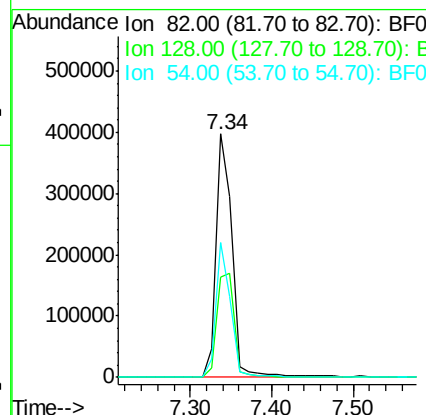
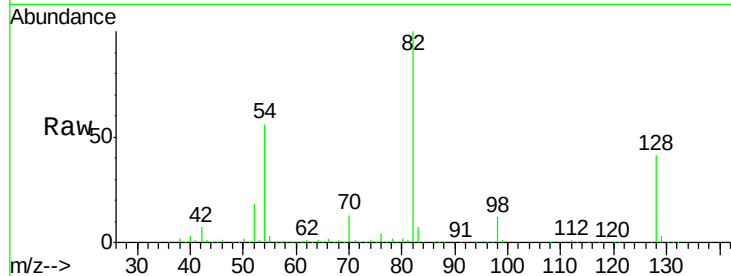




#23
Nitrobenzene-d5
Concen: 80.99 ng
RT: 7.34 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF082410.D
Acq: 21 Oct 2015 18:03

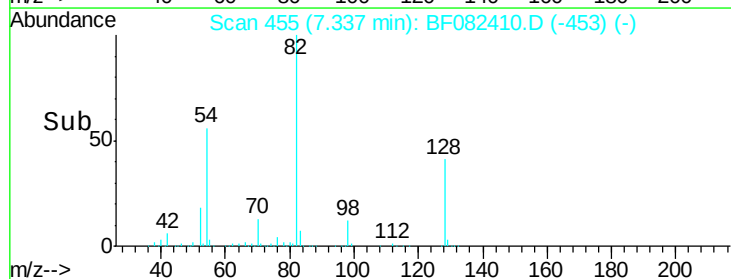
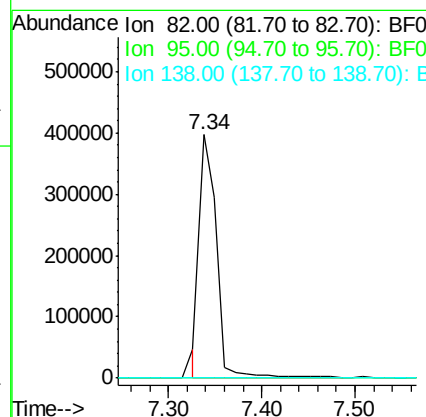
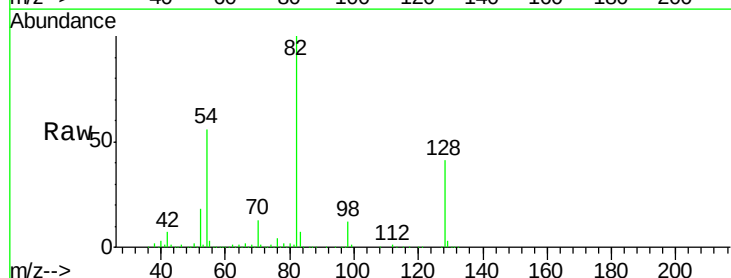
Instrument :
BNA_F
ClientSampleId :
TEC-11

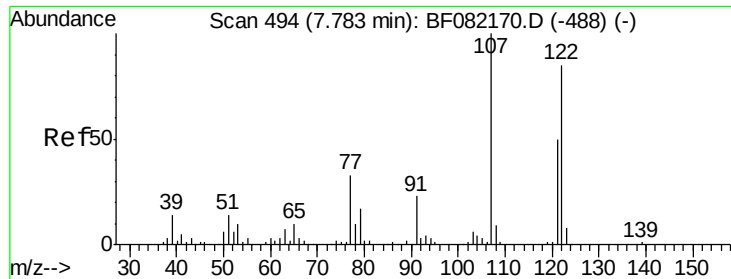
Tot Ion: 82 Resp: 548518
Ion Ratio Lower Upper
82 100
128 41.0 38.7 58.1
54 55.5 40.1 60.1



#25
Isophorone
Concen: 36.55 ng
RT: 7.34 min Scan# 455
Delta R.T. -0.27 min
Lab File: BF082410.D
Acq: 21 Oct 2015 18:03

Tgt Ion: 82 Resp: 499626
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 13.6 20.4#





#27

2,4-Dimethylphenol

Concen: 22.60 ng

RT: 7.87 min Scan# 502

Delta R.T. 0.15 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

Instrument :

BNA_F

ClientSampled :

TEC-11

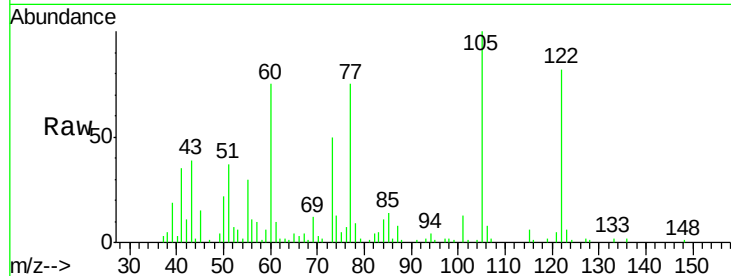
Tot Ion:122 Resp: 133287

Ion Ratio Lower Upper

122 100

107 2.1 94.0 141.0#

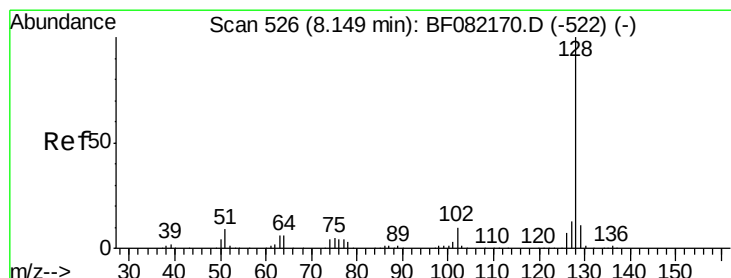
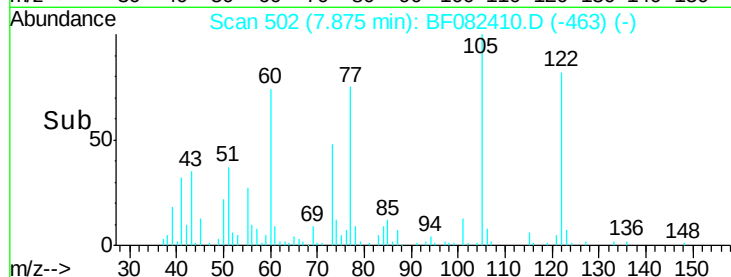
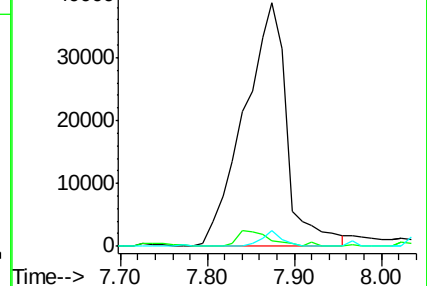
121 6.4 46.8 70.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 2.28 ng

RT: 8.08 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

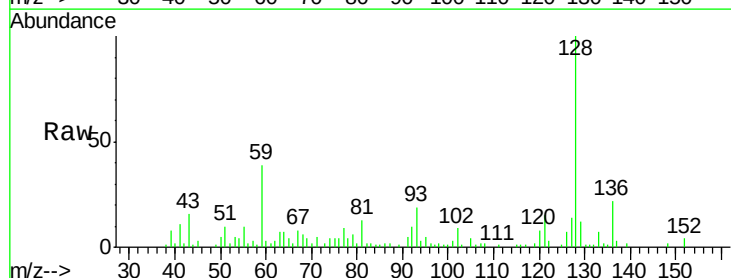
Tgt Ion:128 Resp: 44919

Ion Ratio Lower Upper

128 100

129 11.8 9.1 13.7

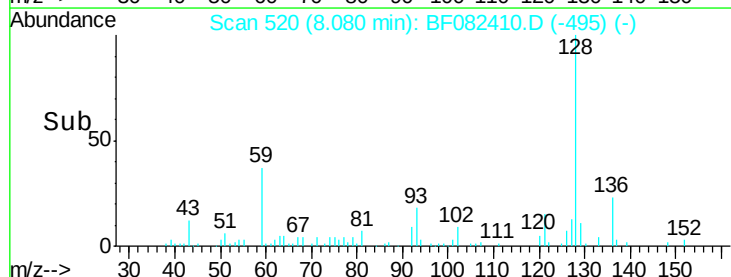
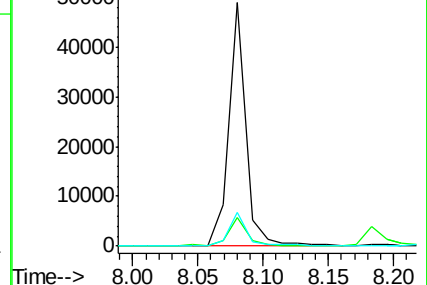
127 13.9 10.7 16.1

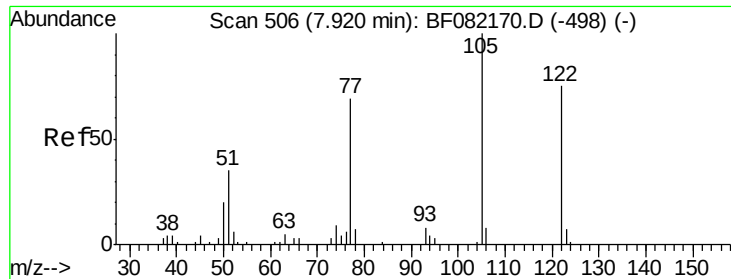


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 34.63 ng

RT: 7.87 min Scan# 502

Delta R.T. 0.01 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

Instrument :

BNA_F

ClientSampleId :

TEC-11

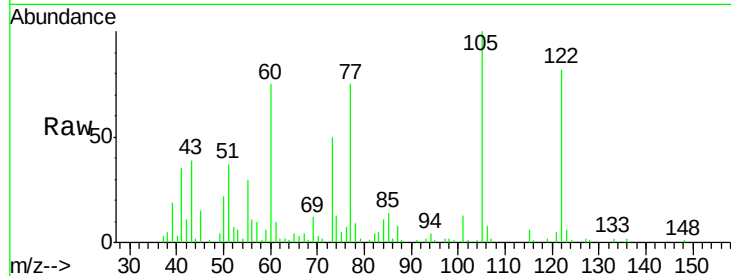
Tot Ion:122 Resp: 137065

Ion Ratio Lower Upper

122 100

105 122.3 104.4 144.4

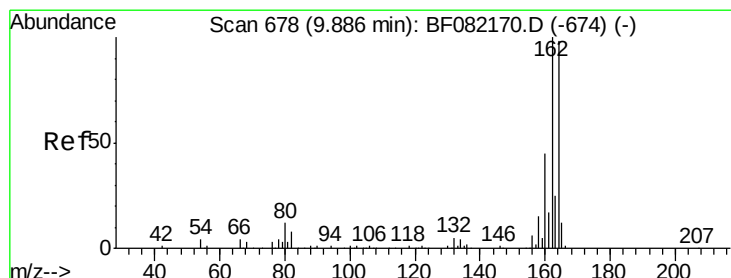
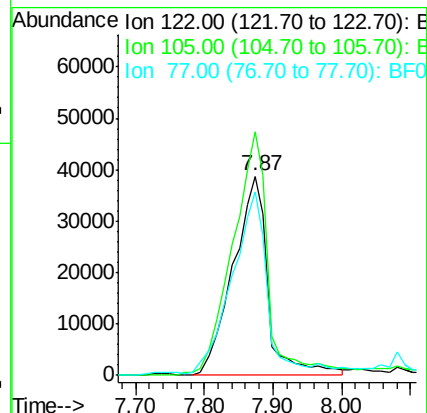
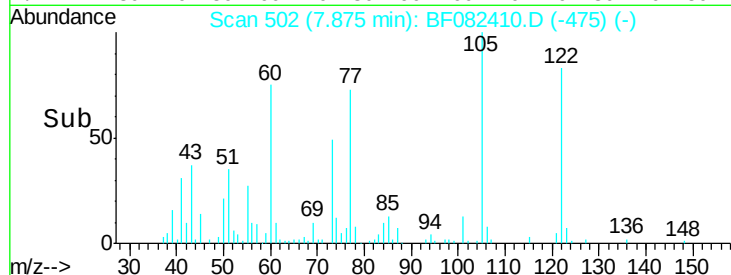
77 92.3 69.0 109.0



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 672

Delta R.T. 0.00 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

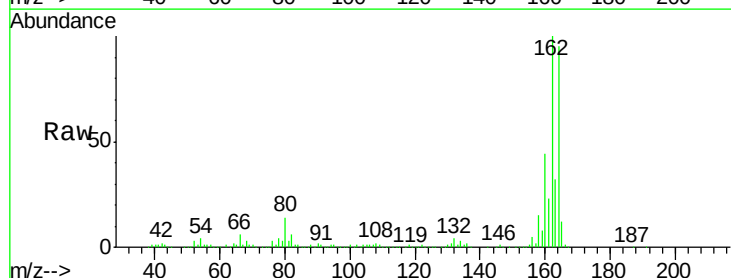
Tgt Ion:164 Resp: 222251

Ion Ratio Lower Upper

164 100

162 105.6 81.6 122.4

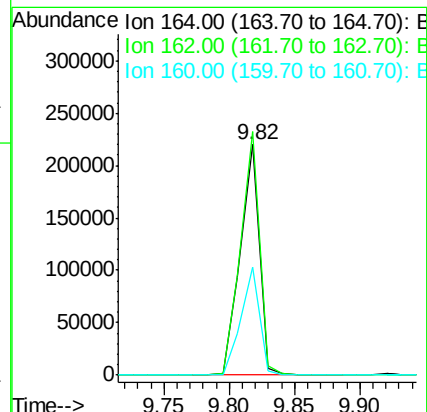
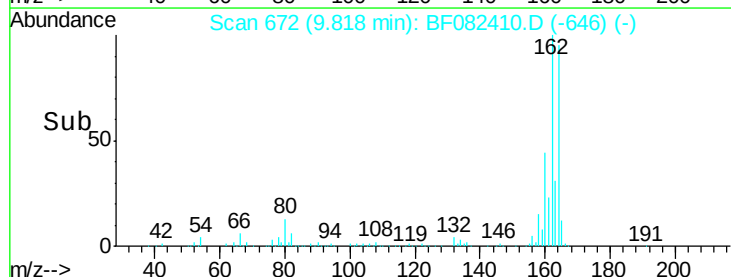
160 46.6 36.4 54.6

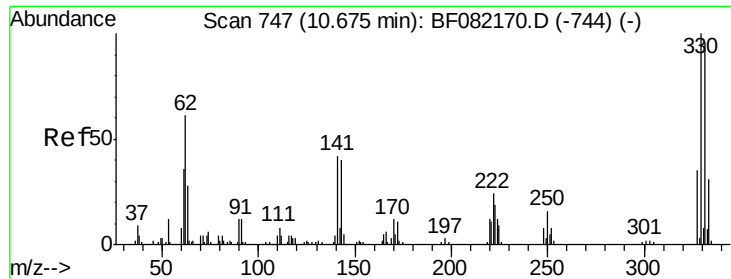


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

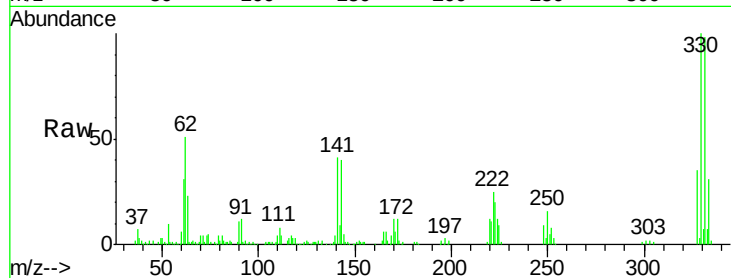




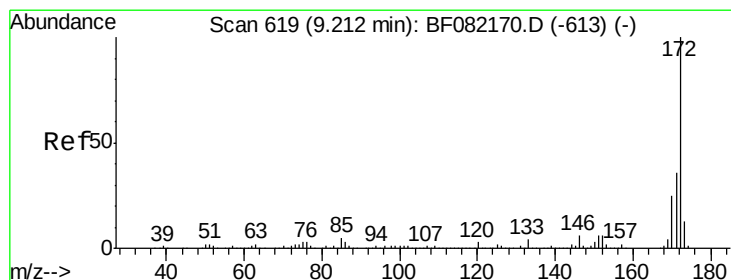
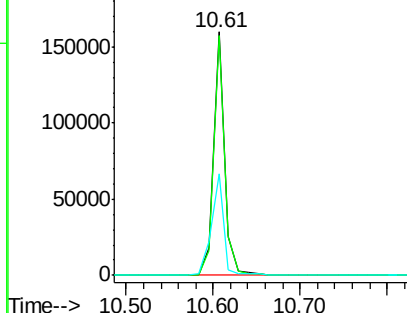
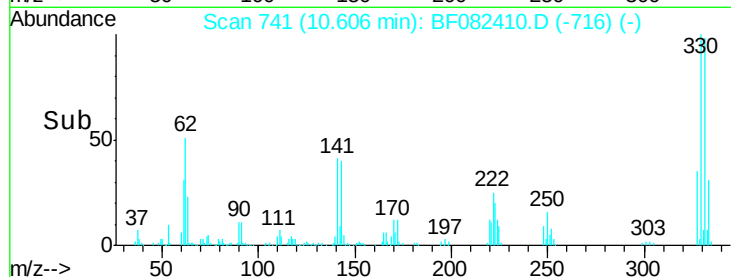
#41
 2,4,6-Tribromophenol
 Concen: 69.39 ng
 RT: 10.61 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF082410.D
 Acq: 21 Oct 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 TEC-11

Tot Ion:330 Resp: 144628
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.1 115.7
 141 48.7 29.8 44.8#

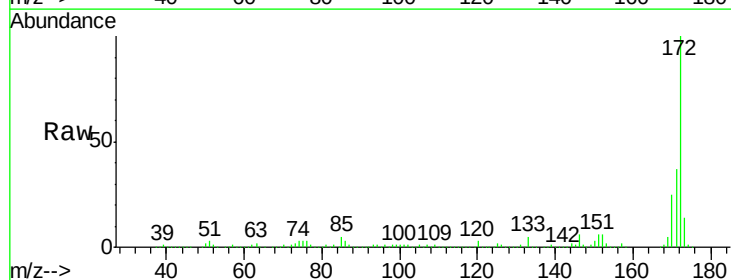


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

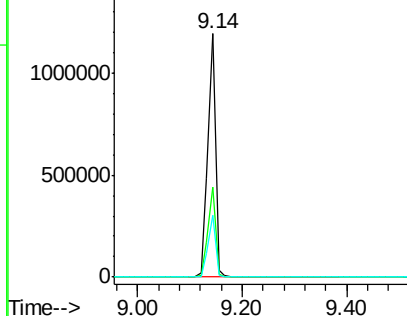
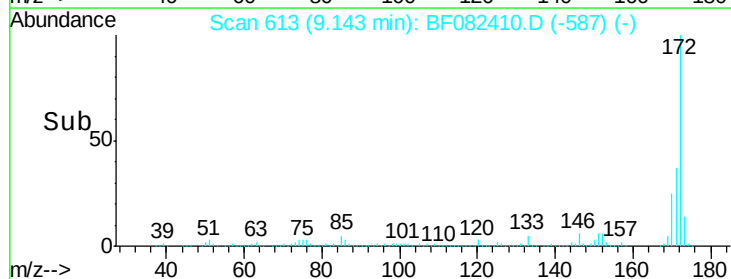


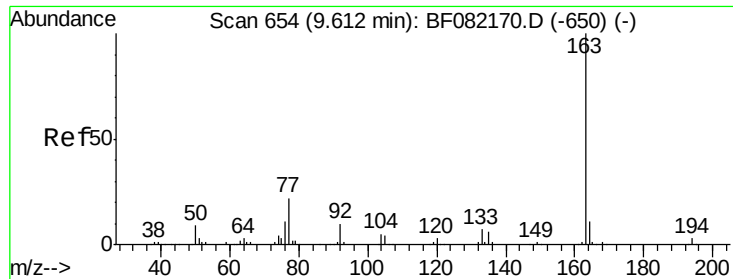
#44
 2-Fluorobiphenyl
 Concen: 90.69 ng
 RT: 9.14 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF082410.D
 Acq: 21 Oct 2015 18:03

Tgt Ion:172 Resp: 1215362
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.6 42.8
 170 25.2 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

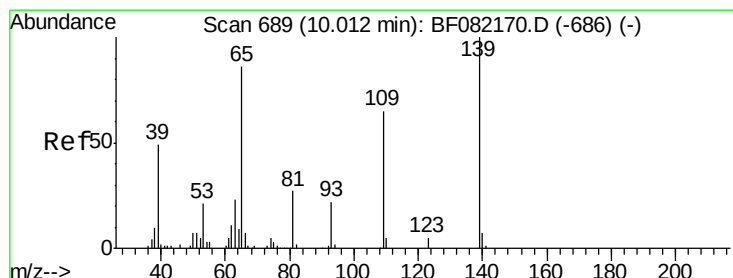
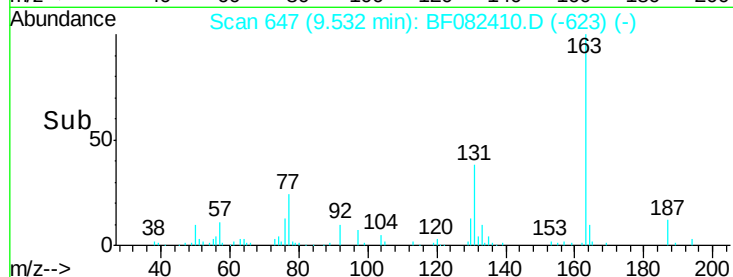
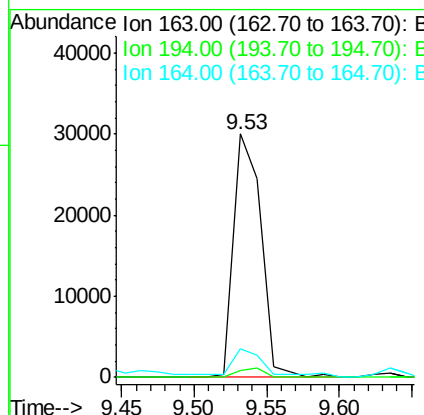
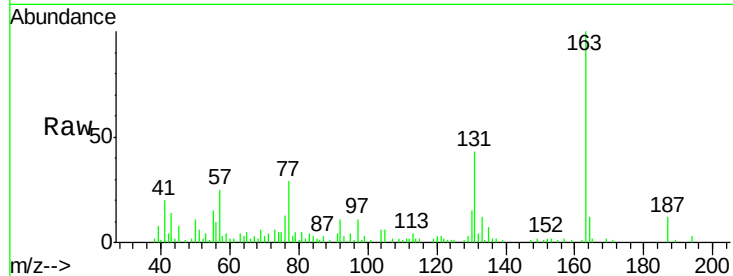




#49
Dimethylphthalate
Concen: 2.51 ng
RT: 9.53 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF082410.D
Acq: 21 Oct 2015 18:03

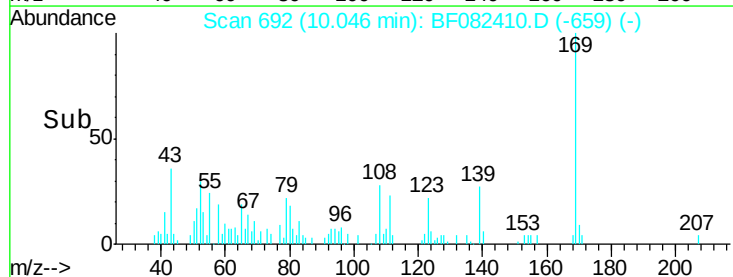
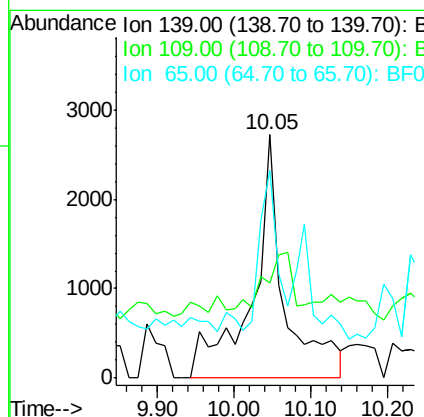
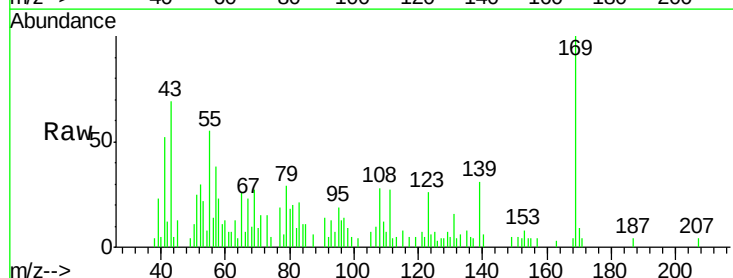
Instrument :
BNA_F
ClientSampleId :
TEC-11

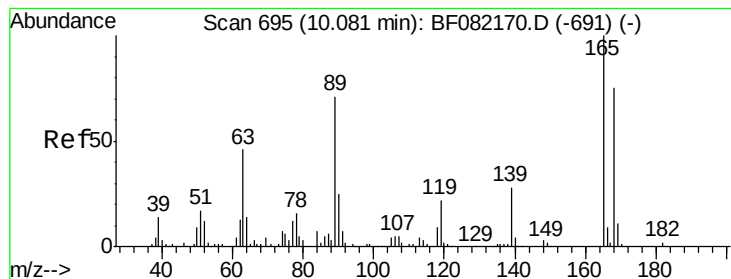
Tot Ion:163 Resp: 39250
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 11.7 8.5 12.7



#55
4-Nitrophenol
Concen: 3.58 ng
RT: 10.05 min Scan# 692
Delta R.T. 0.08 min
Lab File: BF082410.D
Acq: 21 Oct 2015 18:03

Tgt Ion:139 Resp: 7813
Ion Ratio Lower Upper
139 100
109 39.0 44.8 84.8#
65 85.2 67.7 107.7





#56

2,4-Dinitrotoluene

Concen: 7.18 ng

RT: 9.82 min Scan# 672

Delta R.T. -0.21 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

Instrument :

BNA_F

ClientSampleId :

TEC-11

Tot Ion:165 Resp: 29625

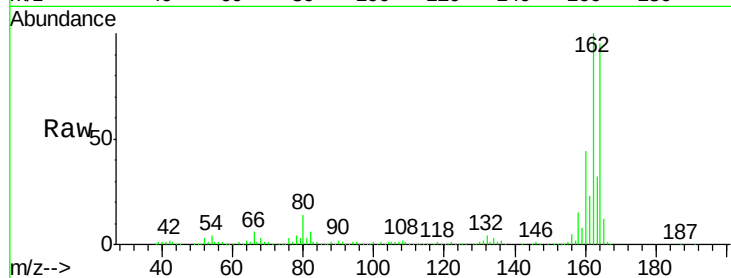
Ion Ratio Lower Upper

165 100

63 2.4 38.6 58.0#

89 1.9 57.0 85.6#

182 0.0 1.8 2.6#

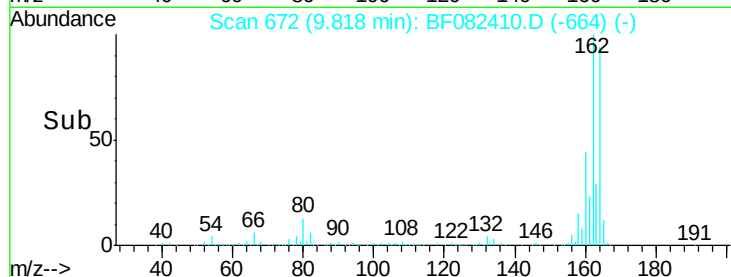


Abundance Ion 165.00 (164.70 to 165.70): E

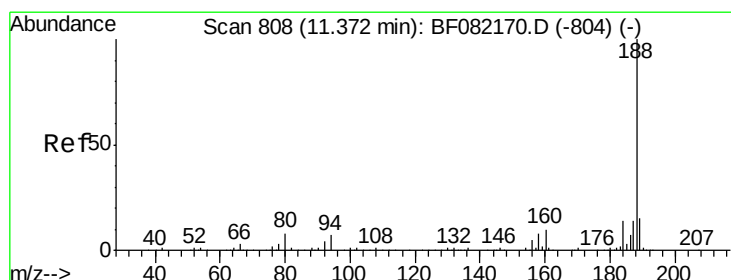
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

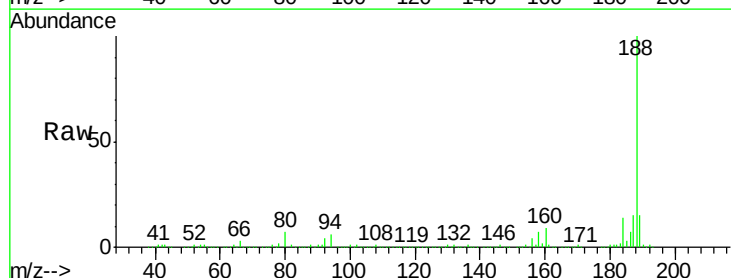
Tgt Ion:188 Resp: 411568

Ion Ratio Lower Upper

188 100

94 6.5 5.8 8.6

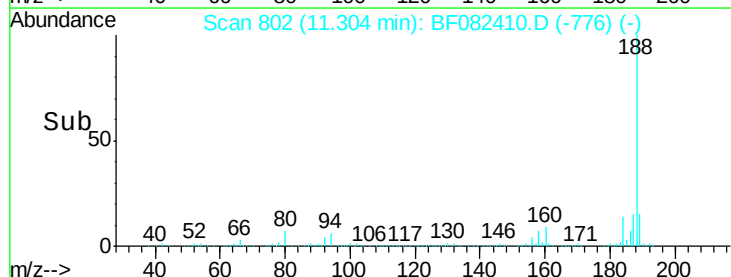
80 6.9 6.4 9.6



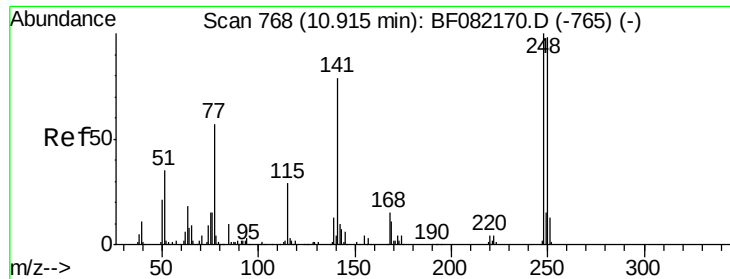
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#66

4-Bromophenyl-phenylether

Concen: 2.87 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.25 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

Instrument :

BNA_F

ClientSampleId :

TEC-11

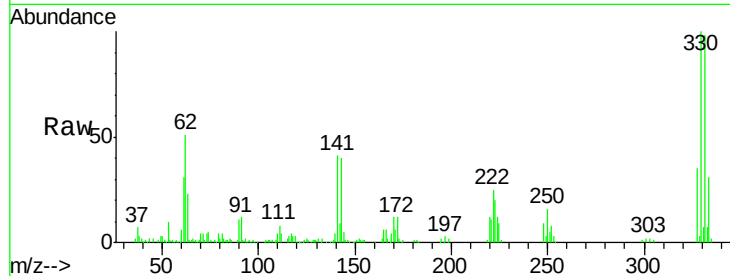
Tot Ion:248 Resp: 11803

Ion Ratio Lower Upper

248 100

250 189.5 78.6 117.8#

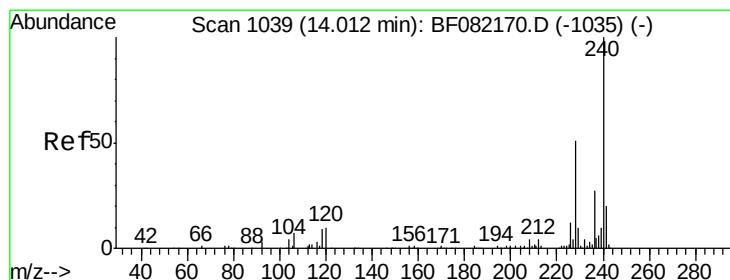
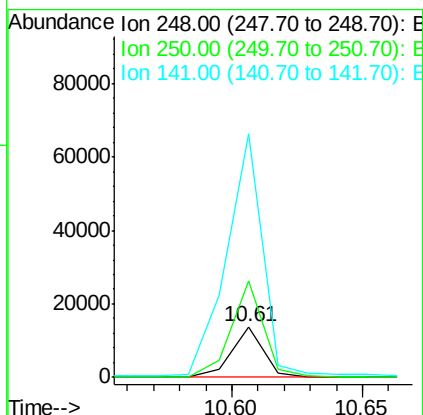
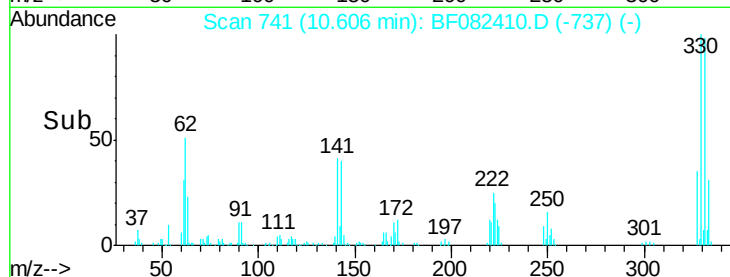
141 481.6 63.3 94.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF082410.D

Acq: 21 Oct 2015 18:03

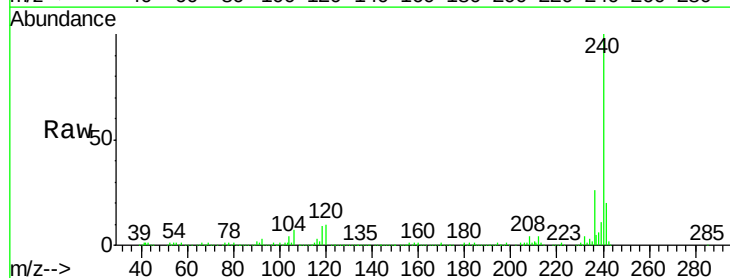
Tgt Ion:240 Resp: 344293

Ion Ratio Lower Upper

240 100

120 9.7 8.1 12.1

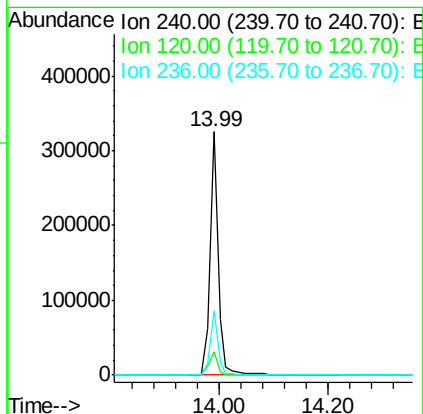
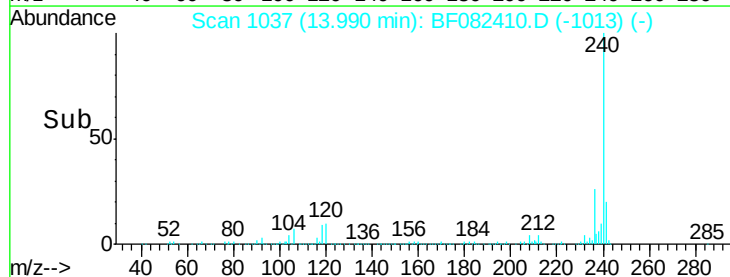
236 26.3 21.3 31.9

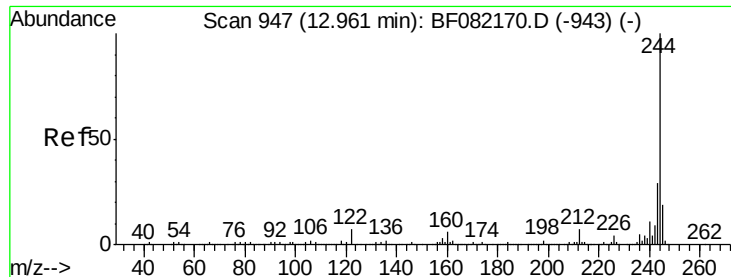


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



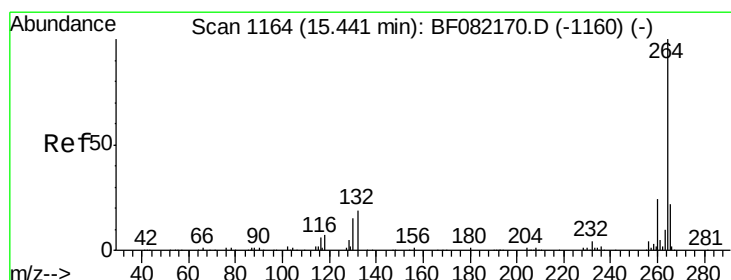
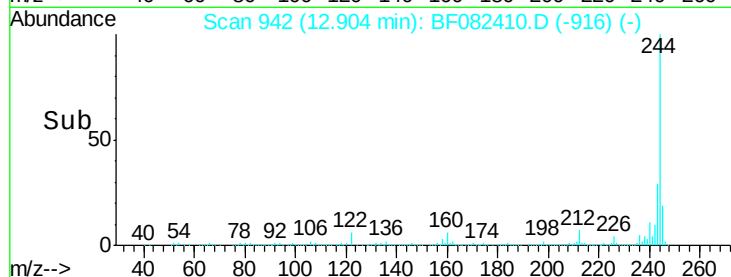
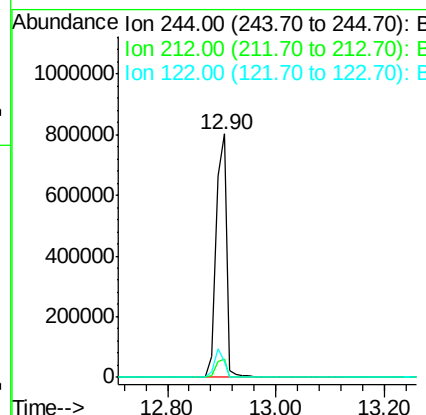
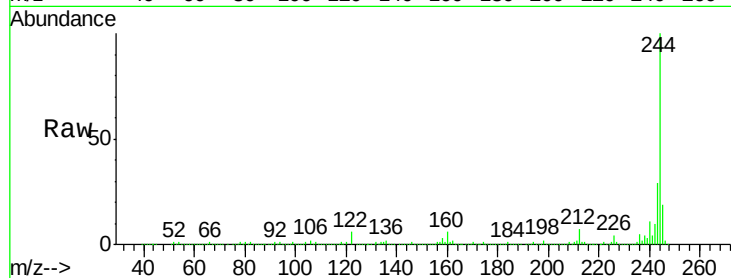


#78
 Terphenyl-d14
 Concen: 84.64 ng
 RT: 12.90 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF082410.D
 Acq: 21 Oct 2015 18:03

Instrument :
 BNA_F
 ClientSampleID :
 TEC-11

Tot Ion:244 Resp: 1099747

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	6.5	5.9	8.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BF082410.D
 Acq: 21 Oct 2015 18:03

Tgt Ion:264 Resp: 242840

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.4	17.3	25.9

