

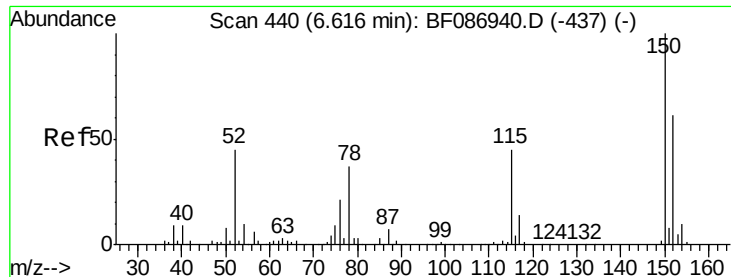
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF086982.D
 Acq On : 13 May 2016 20:53
 Operator : UM/SJ
 Sample : H3057-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-23(15.5-16)

Quant Time: May 13 22:52:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	354648	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	588967	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	295750	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	568353	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	511117	20.00	ng	-0.09
86) Perylene-d12	15.11	264	406739	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	783494	37.41	ng	-0.09
7) Phenol-d6	6.27	99	1016448	36.32	ng	-0.09
23) Nitrobenzene-d5	7.19	82	778524	66.37	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	266926	85.25	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1212537	68.90	ng	-0.08
78) Terphenyl-d14	12.71	244	1052897	43.71	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	108424	5.54	ng	# 77
25) Isophorone	7.19	82	765642	35.18	ng	# 68
49) Dimethylphthalate	9.38	163	211699	9.38	ng	100
55) 4-Nitrophenol	9.85	139	470	4.69	ng	# 38
56) 2,4-Dinitrotoluene	9.64	165	37409	6.37	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	15994	2.78	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

Instrument :

BNA_F

ClientSampleId :

E-23(15.5-16)

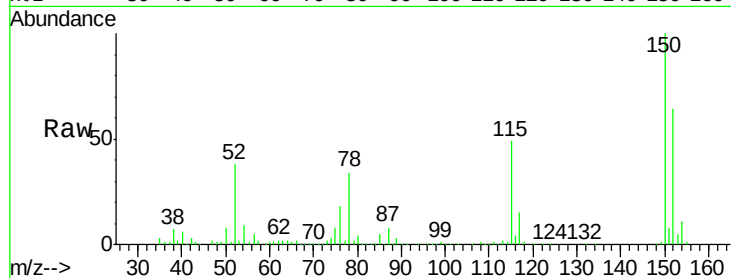
Tgt Ion:152 Resp: 354648

Ion Ratio Lower Upper

152 100

150 157.4 125.8 188.6

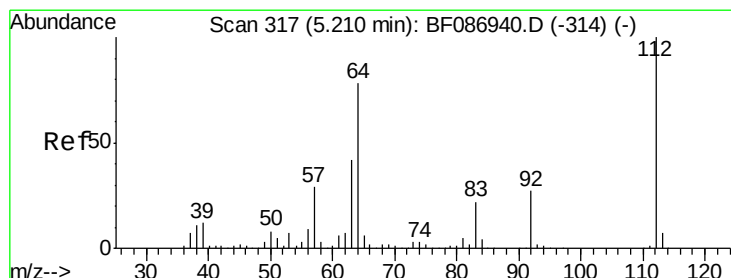
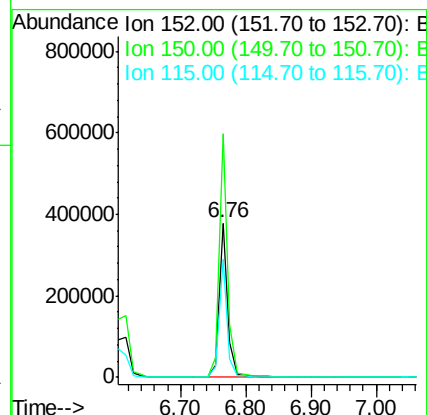
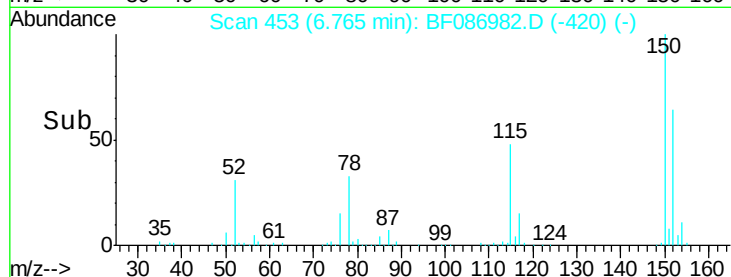
115 76.5 51.5 77.3



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: 37.41 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

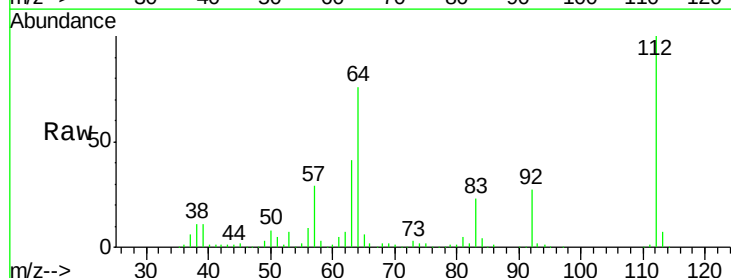
Tgt Ion:112 Resp: 783494

Ion Ratio Lower Upper

112 100

64 76.2 52.1 78.1

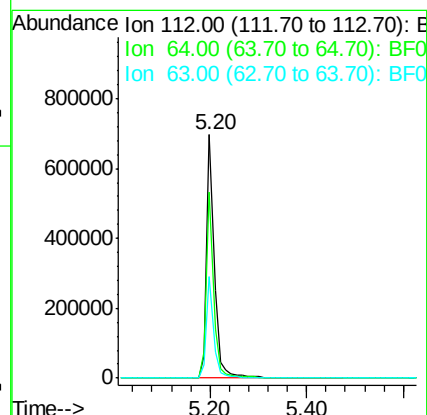
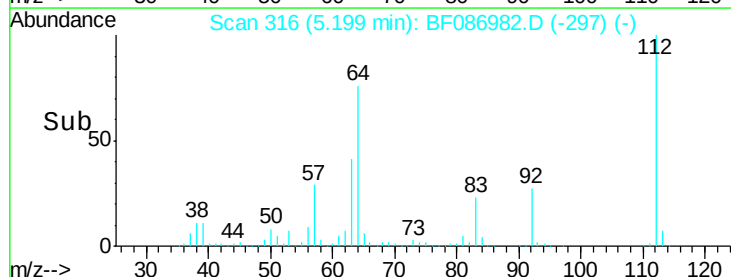
63 41.5 25.7 38.5

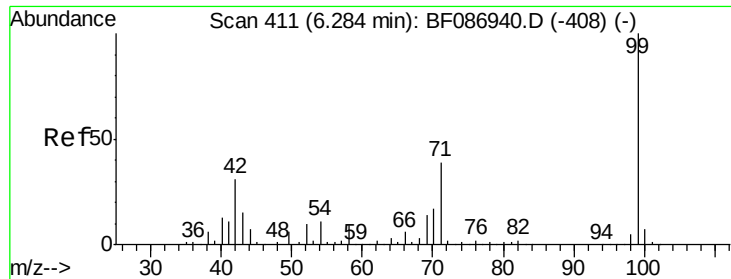


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.32 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

Instrument :

BNA_F

ClientSampleId :

E-23(15.5-16)

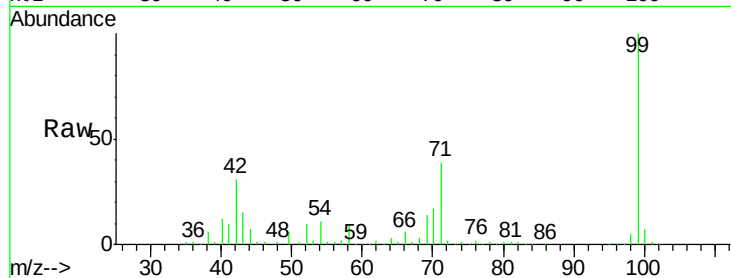
Tgt Ion: 99 Resp: 1016448

Ion Ratio Lower Upper

99 100

42 31.0 13.6 20.4#

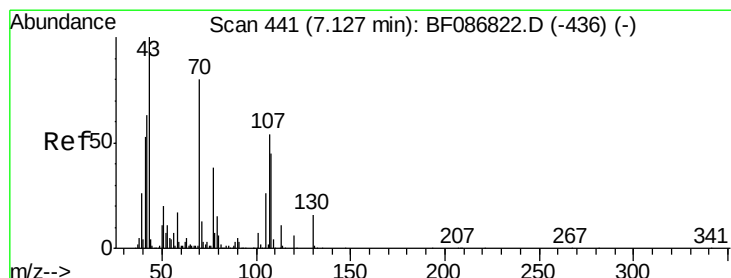
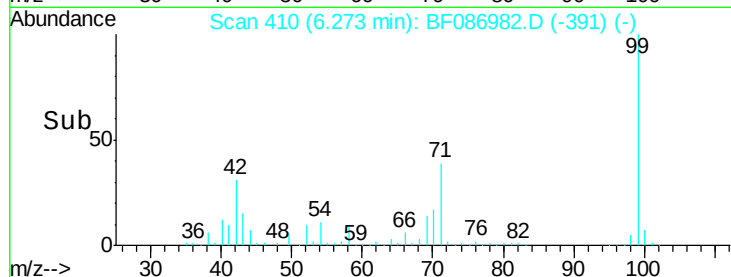
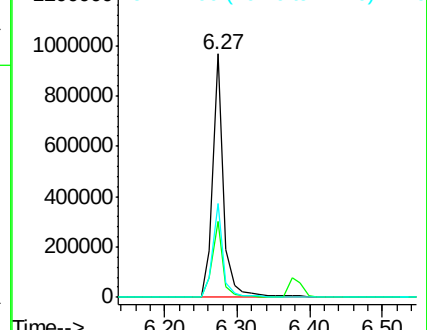
71 38.6 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.54 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

Tgt Ion: 70 Resp: 108424

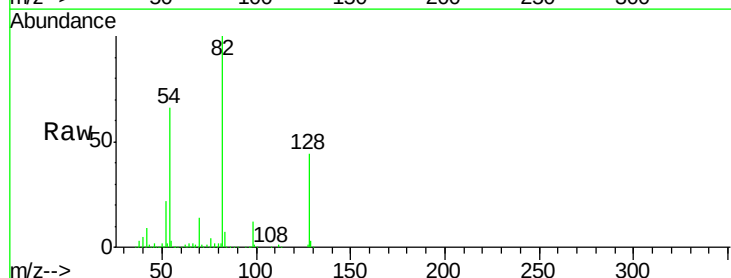
Ion Ratio Lower Upper

70 100

42 63.8 43.1 64.7

101 0.0 8.1 12.1#

130 2.1 18.6 28.0#

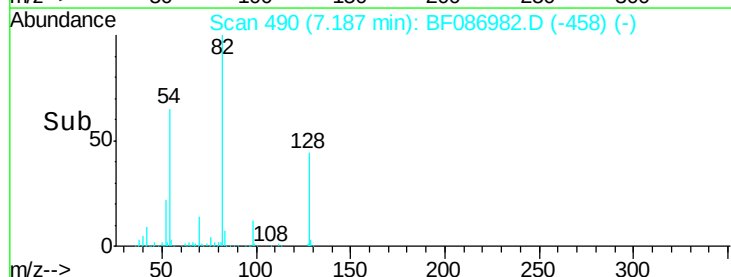
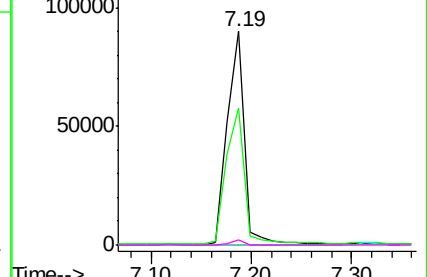


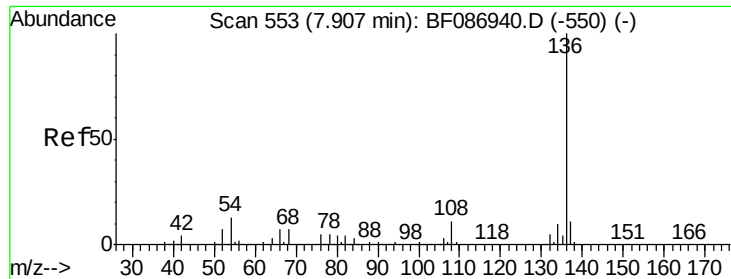
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

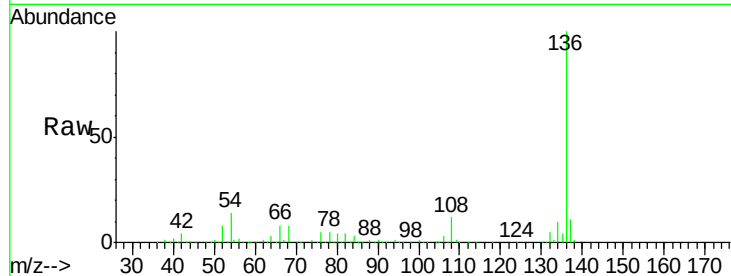




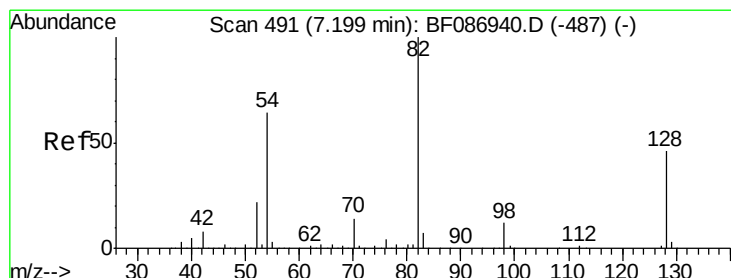
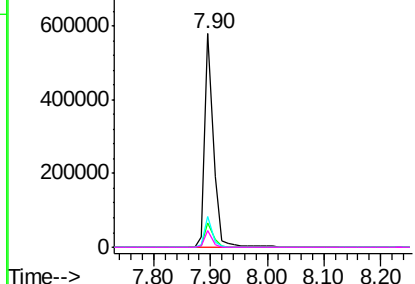
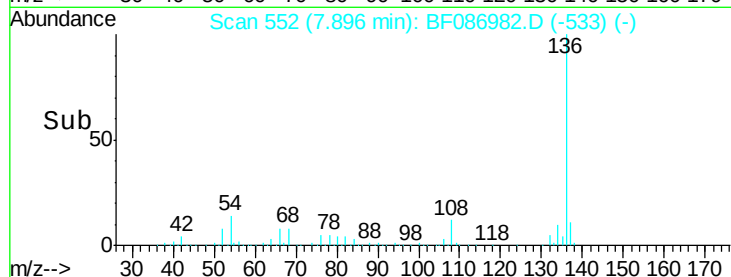
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF086982.D
Acq: 13 May 2016 20:53

Instrument :
BNA_F
ClientSampleId :
E-23(15.5-16)

Tgt Ion:	136	Resp:	588967
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	14.2	5.0	7.4#
68	7.6	4.4	6.6#

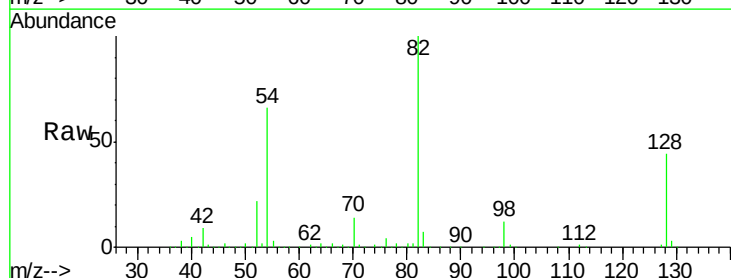


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

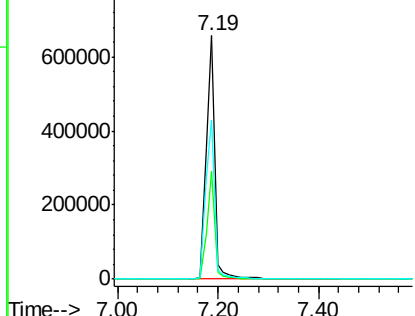
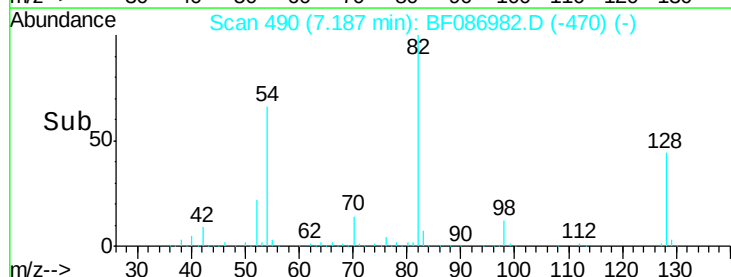


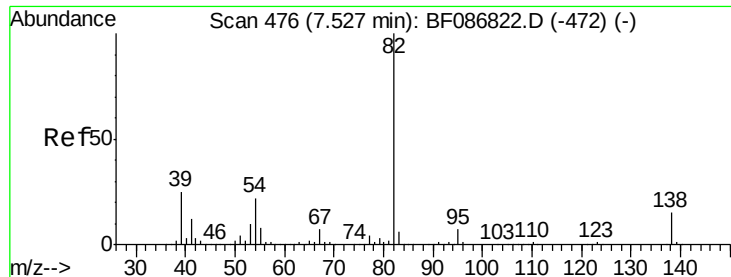
#23
Nitrobenzene-d5
Concen: 66.37 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF086982.D
Acq: 13 May 2016 20:53

Tgt Ion:	82	Resp:	778524
Ion	Ratio	Lower	Upper
82	100		
128	44.3	40.6	61.0
54	65.5	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





#25

Isophorone

Concen: 35.18 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

Instrument :

BNA_F

ClientSampleId :

E-23(15.5-16)

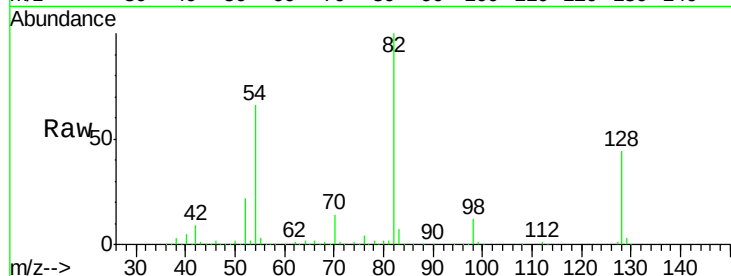
Tgt Ion: 82 Resp: 765642

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

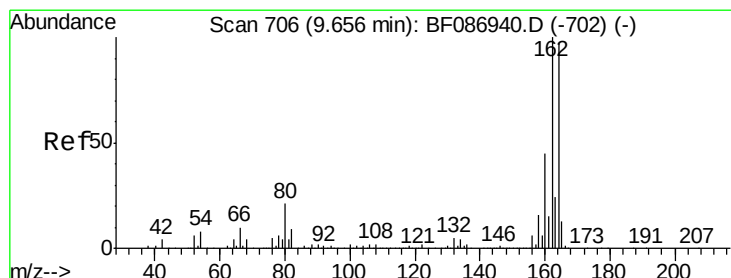
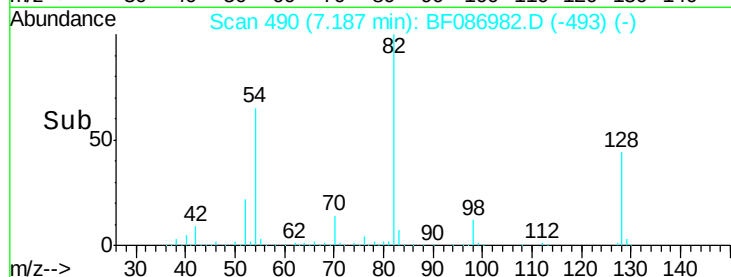
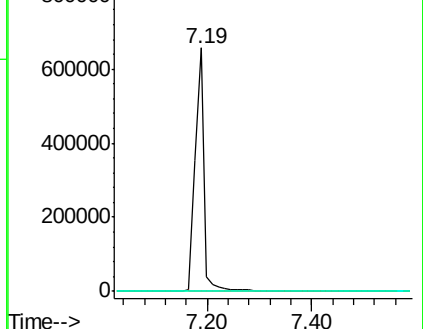
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

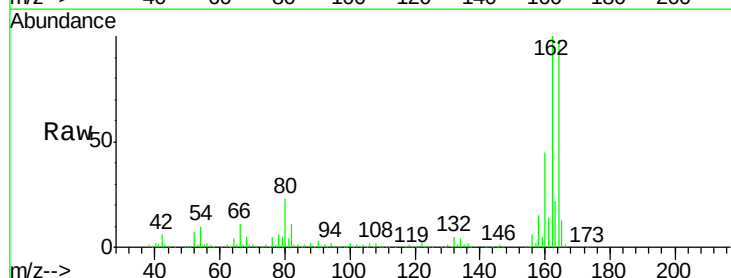
Tgt Ion: 164 Resp: 295750

Ion Ratio Lower Upper

164 100

162 102.4 82.8 124.2

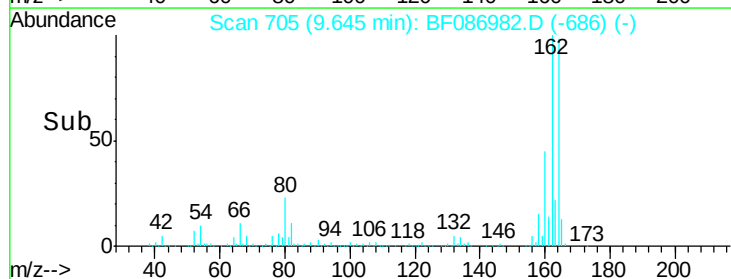
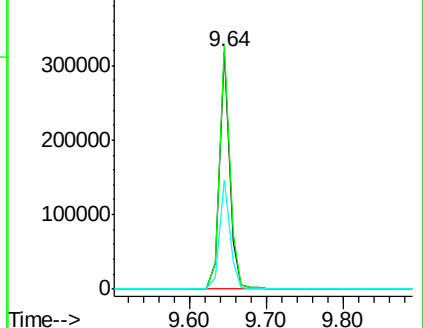
160 45.8 36.9 55.3

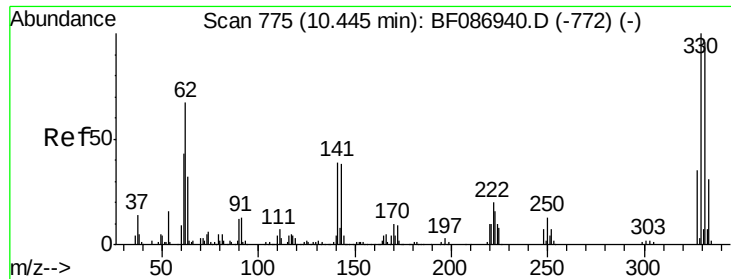


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

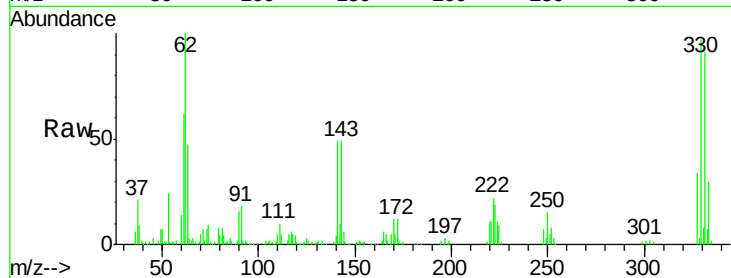




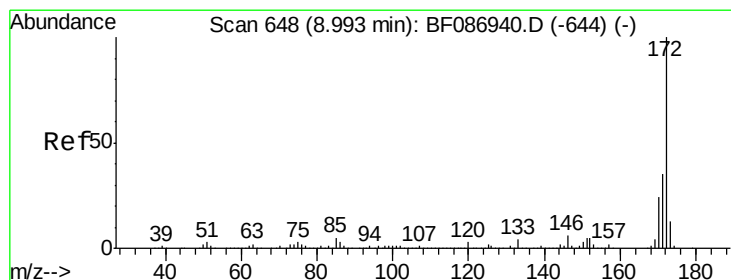
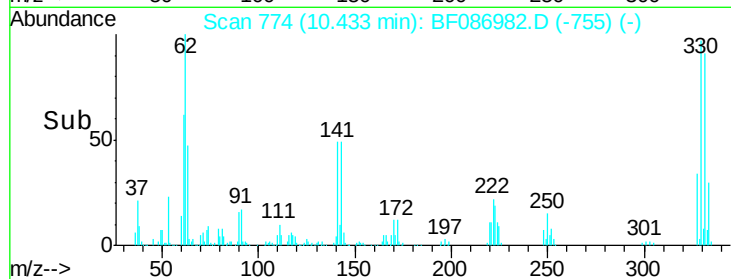
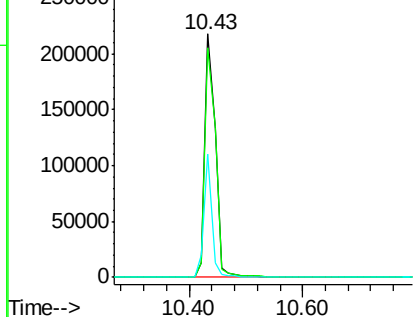
#41
 2,4,6-Tribromophenol
 Concen: 85.25 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF086982.D
 Acq: 13 May 2016 20:53

Instrument :
 BNA_F
 ClientSampleId :
 E-23(15.5-16)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.0	118.4
141	39.0	31.2	46.8

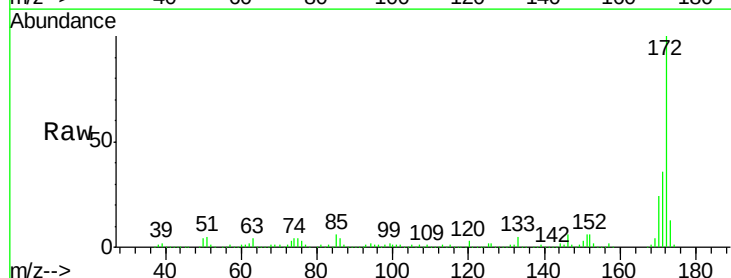


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

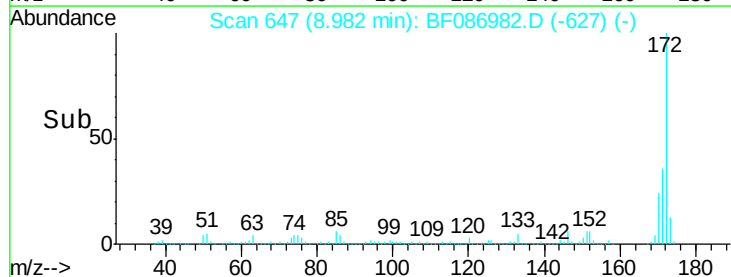
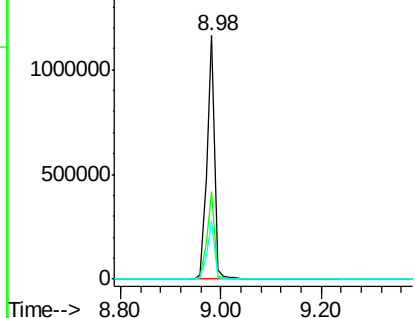


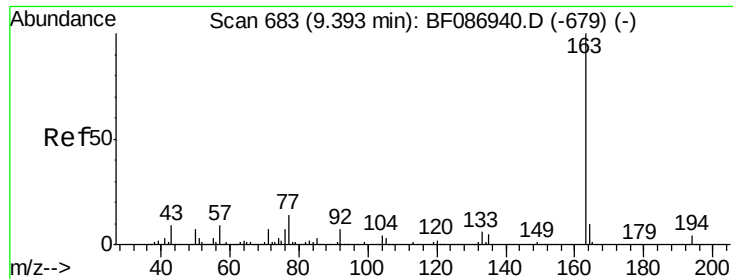
#44
 2-Fluorobiphenyl
 Concen: 68.90 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF086982.D
 Acq: 13 May 2016 20:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.6
170	24.1	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





#49

Dimethylphthalate

Concen: 9.38 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.09 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

Instrument :

BNA_F

ClientSampleId :

E-23(15.5-16)

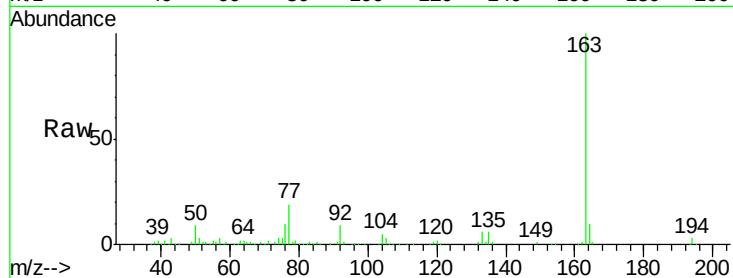
Tgt Ion:163 Resp: 211699

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

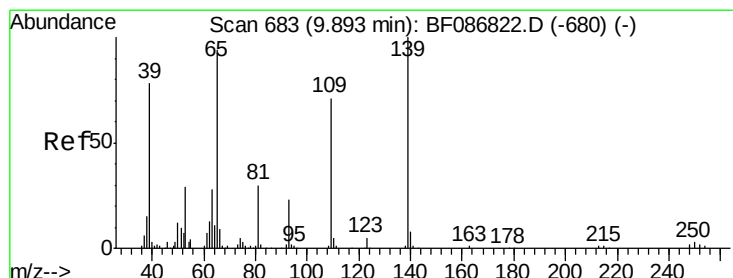
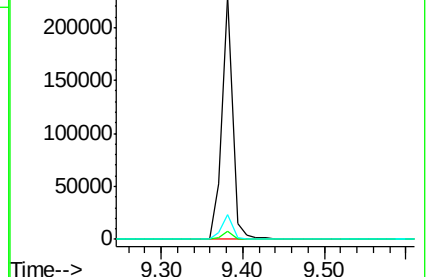
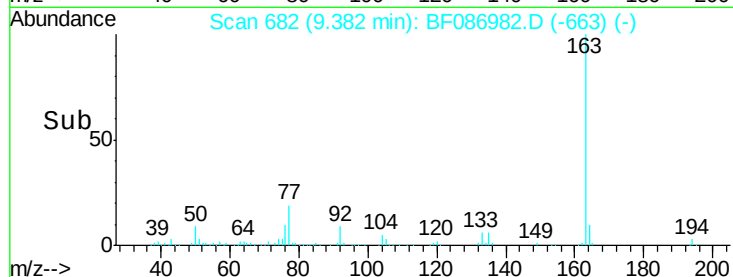
164 10.2 8.2 12.4



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



#55

4-Nitrophenol

Concen: 4.69 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.04 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

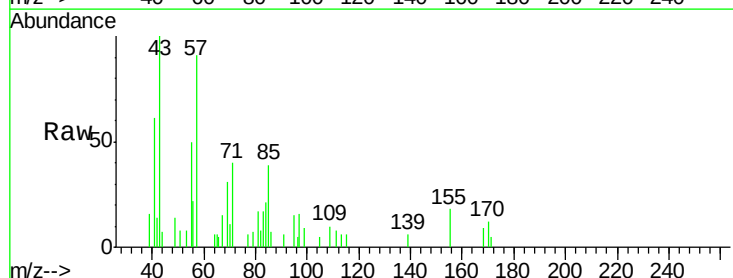
Tgt Ion:139 Resp: 470

Ion Ratio Lower Upper

139 100

109 150.6 36.9 76.9#

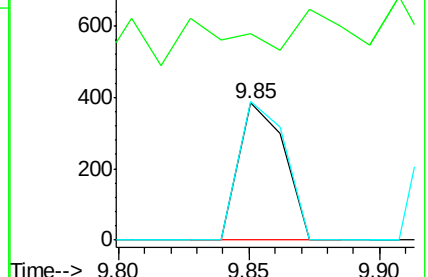
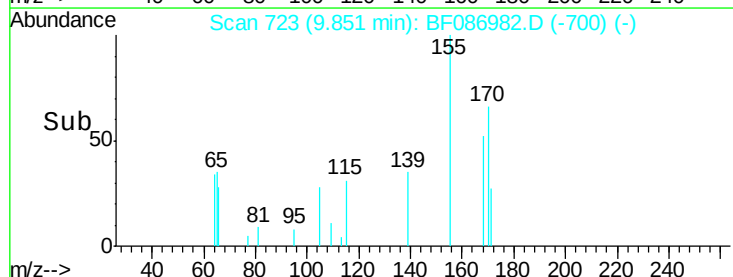
65 100.8 64.0 104.0

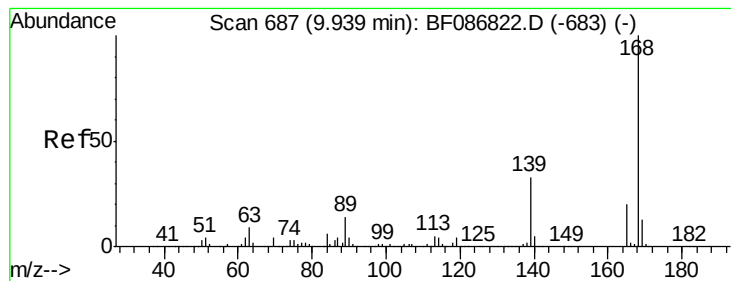


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.37 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

Instrument :

BNA_F

ClientSampleId :

E-23(15.5-16)

Tgt Ion:165 Resp: 37409

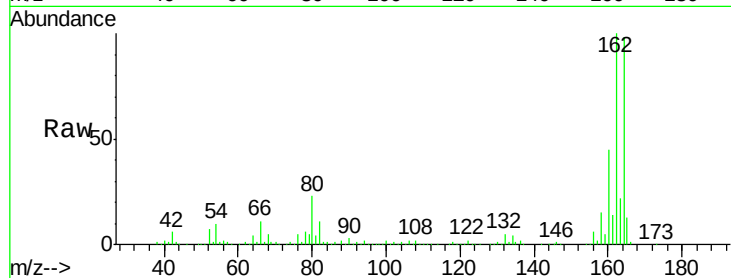
Ion Ratio Lower Upper

165 100

63 2.3 44.3 66.5#

89 1.7 70.0 105.0#

182 0.0 1.8 2.6#

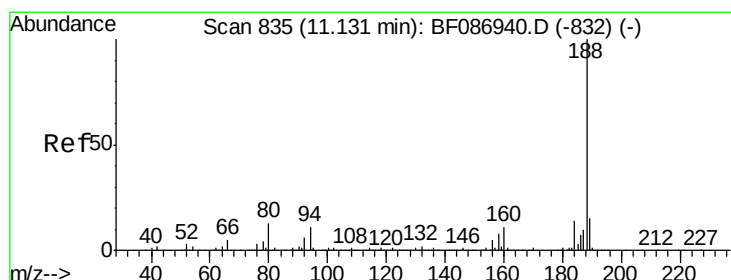
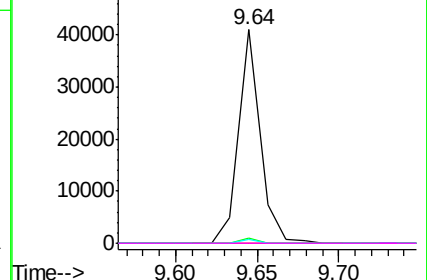
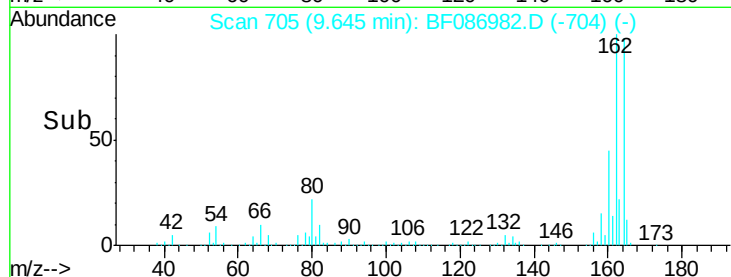


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

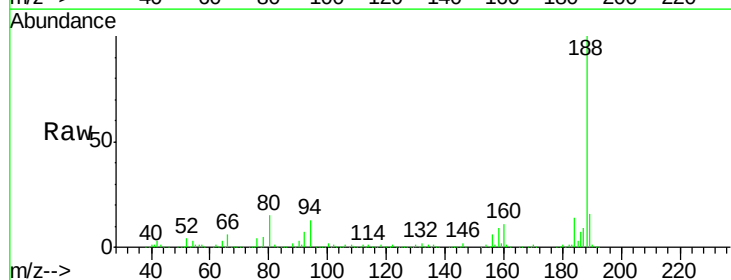
Tgt Ion:188 Resp: 568353

Ion Ratio Lower Upper

188 100

94 13.4 6.8 10.2#

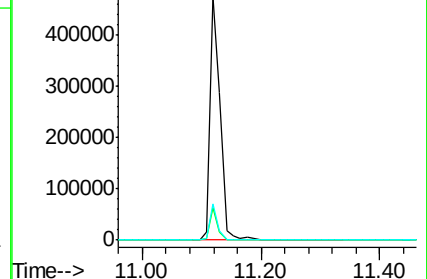
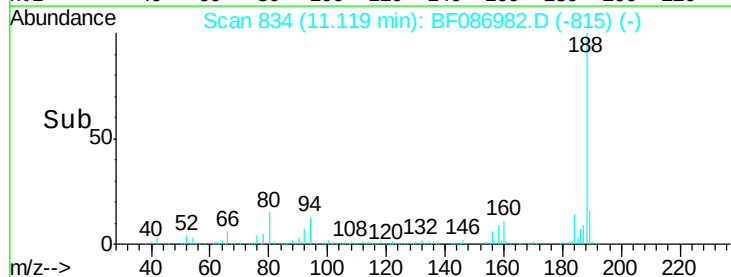
80 15.0 7.1 10.7#

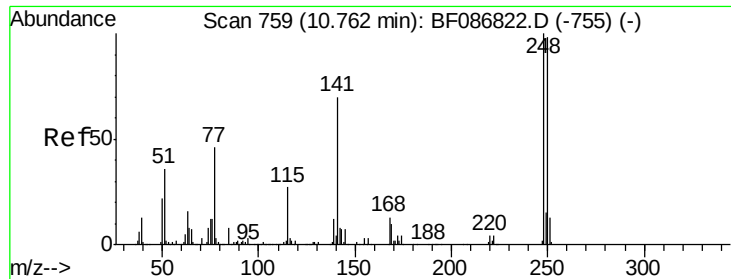


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.78 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

Instrument :

BNA_F

ClientSampled :

E-23(15.5-16)

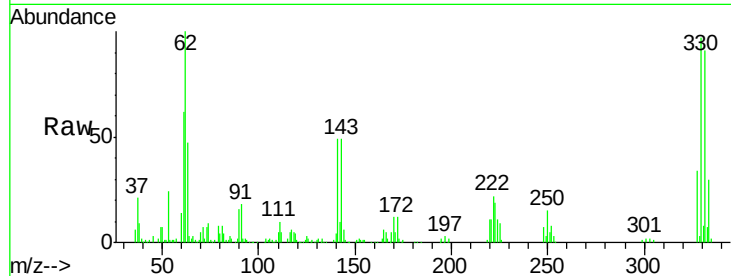
Tgt Ion:248 Resp: 15994

Ion Ratio Lower Upper

248 100

250 201.5 78.6 117.8#

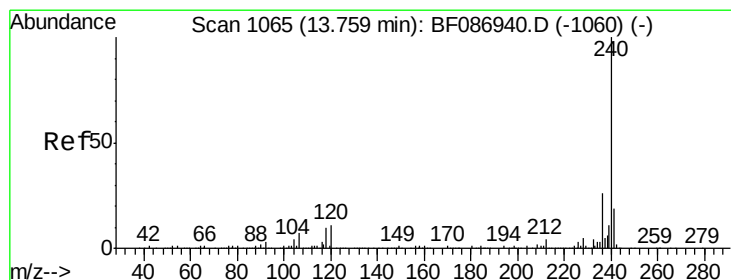
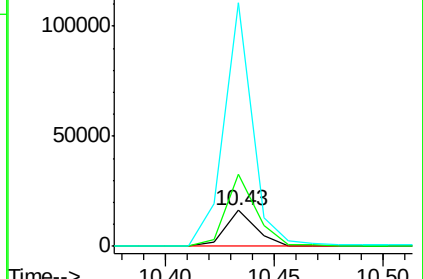
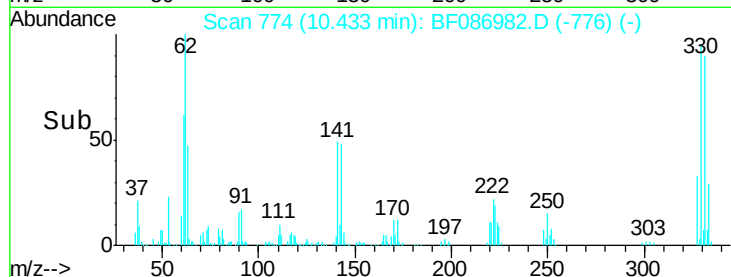
141 674.6 76.0 114.0#



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: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

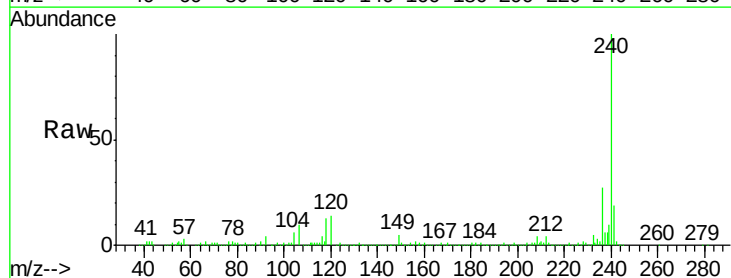
Tgt Ion:240 Resp: 511117

Ion Ratio Lower Upper

240 100

120 14.1 11.2 16.8

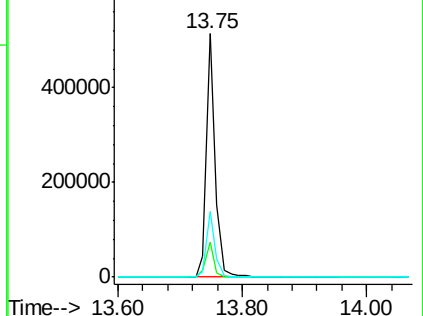
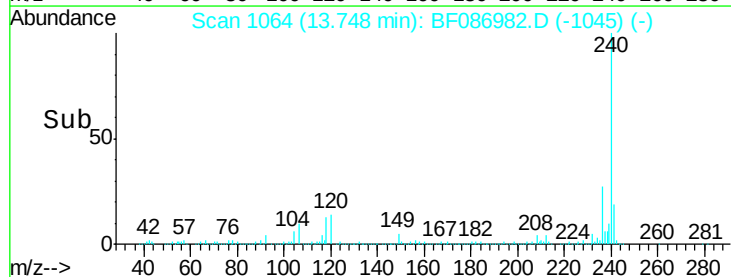
236 26.9 21.2 31.8

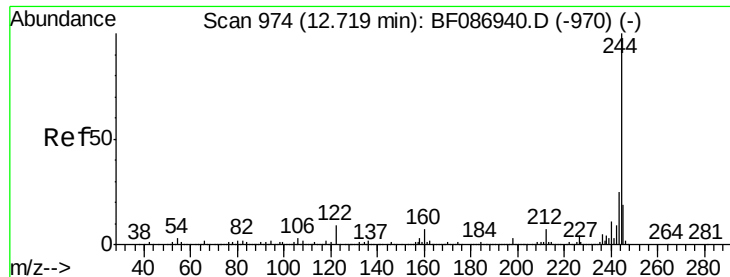


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 43.71 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

Instrument :

BNA_F

ClientSampleId :

E-23(15.5-16)

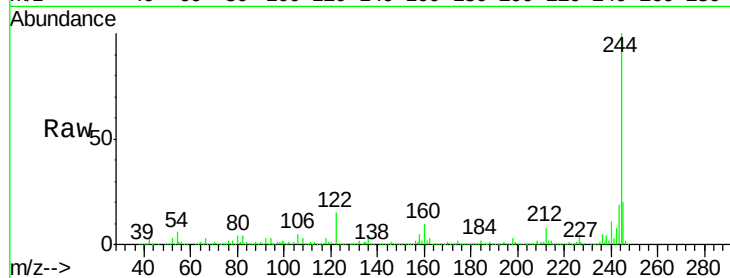
Tgt Ion:244 Resp: 1052897

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

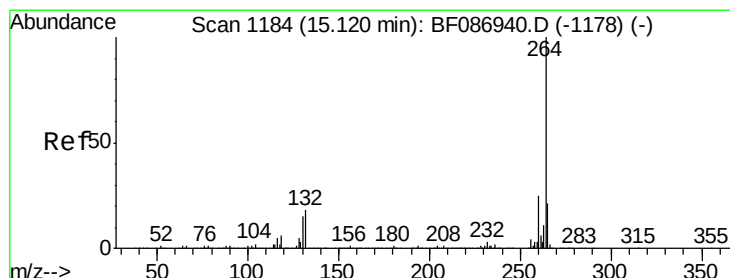
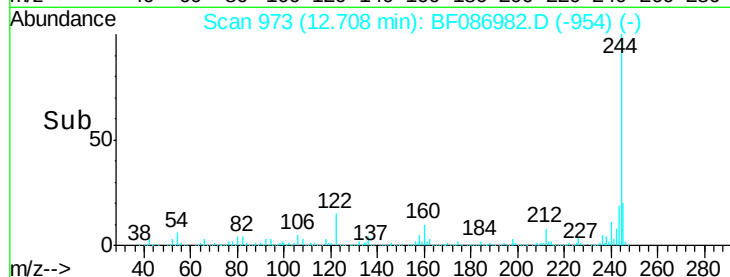
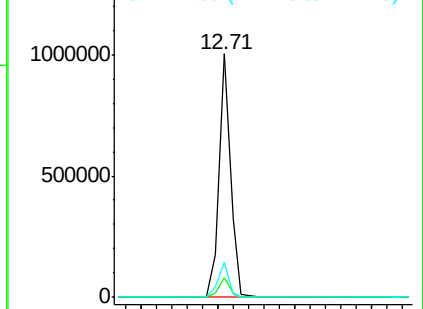
122 14.6 12.0 18.0



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: 20.00 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.10 min

Lab File: BF086982.D

Acq: 13 May 2016 20:53

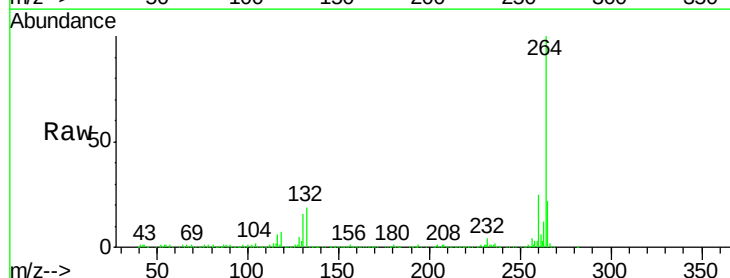
Tgt Ion:264 Resp: 406739

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

265 21.9 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

