

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087248.D
 Acq On : 21 May 2016 2:48
 Operator : UM/SJ
 Sample : H3144-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9-AB-AC(0-2)

Quant Time: May 21 03:20:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 21 00:19:36 2016
 Response via : Initial Calibration

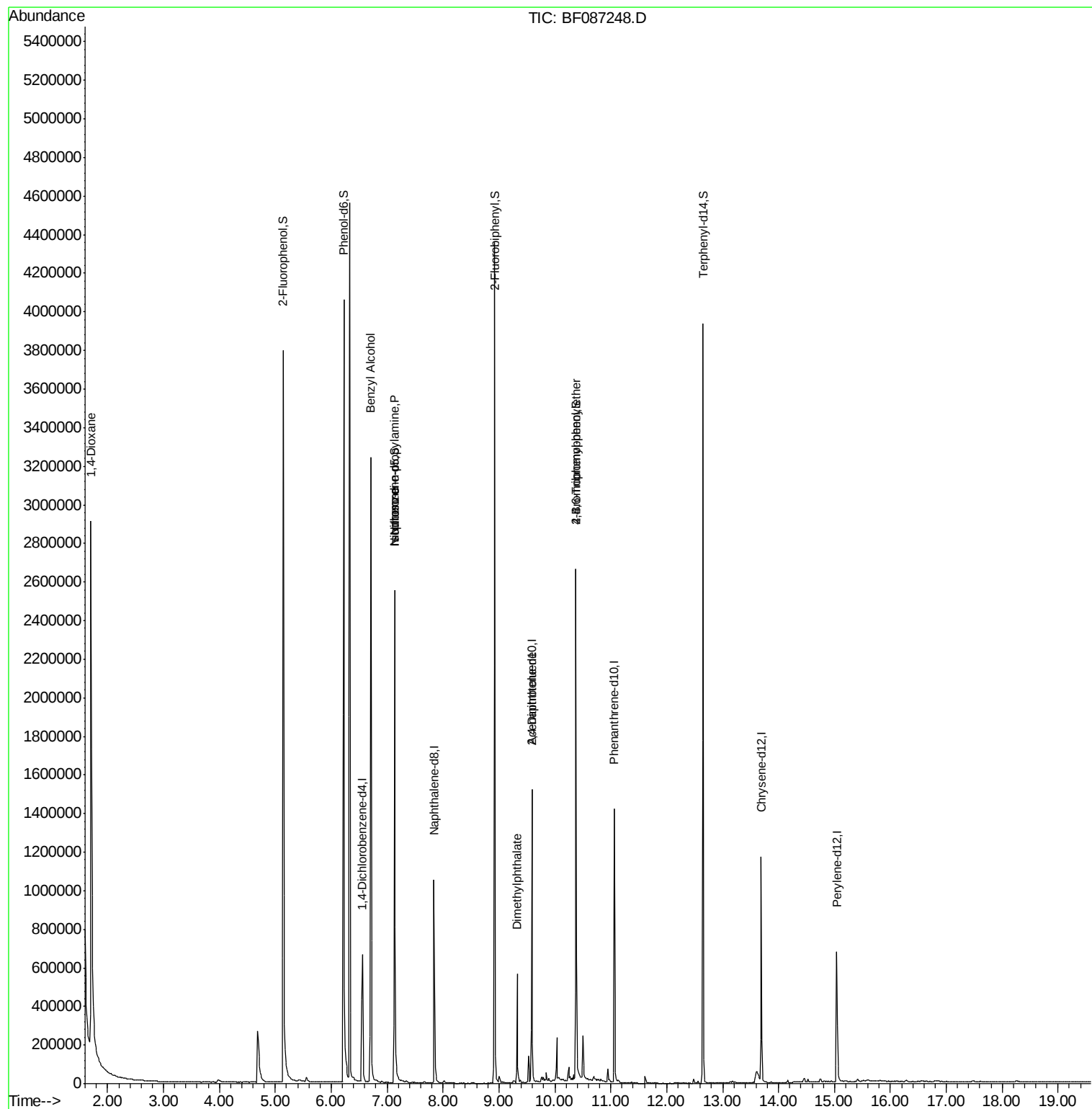
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	123927	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	551534	20.00	ng	-0.01
38) Acenaphthene-d10	9.59	164	280333	20.00	ng	0.00
63) Phenanthrene-d10	11.06	188	518028	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	406888	20.00	ng	-0.01
86) Perylene-d12	15.04	264	288807	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	1033665	140.20	ng	0.01
7) Phenol-d6	6.23	99	1421611	143.76	ng	0.00
23) Nitrobenzene-d5	7.13	82	872465	78.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.38	330	284614	91.88	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1489486	88.00	ng	0.00
78) Terphenyl-d14	12.65	244	1280539	71.19	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.70	88	92218	24.31	ng	# 22
15) Benzyl Alcohol	6.71	79	15060	2.05	ng	# 43
19) n-Nitroso-di-n-propylamine	7.13	70	122334	16.27	ng	# 73
25) Isophorone	7.13	82	805130	39.74	ng	# 68
49) Dimethylphthalate	9.32	163	202312	9.46	ng	99
56) 2,4-Dinitrotoluene	9.59	165	35247	5.93	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	19771	3.71	ng	# 1

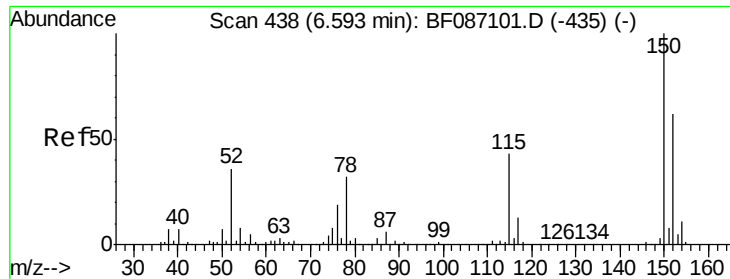
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

9-AB-AC(0-2)

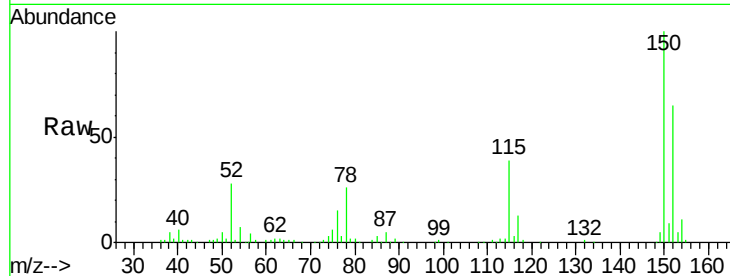
Tgt Ion:152 Resp: 123927

Ion Ratio Lower Upper

152 100

150 154.6 125.8 188.6

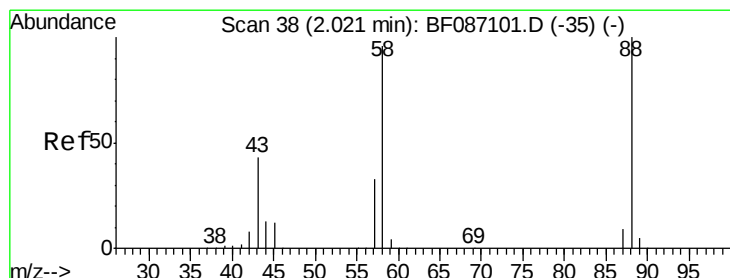
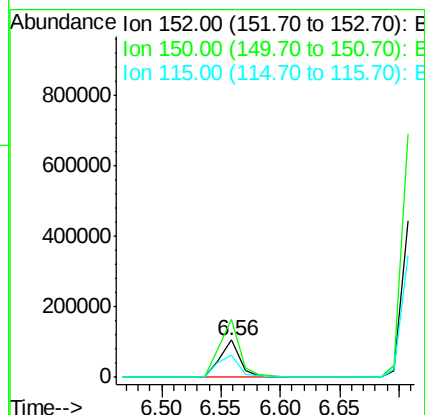
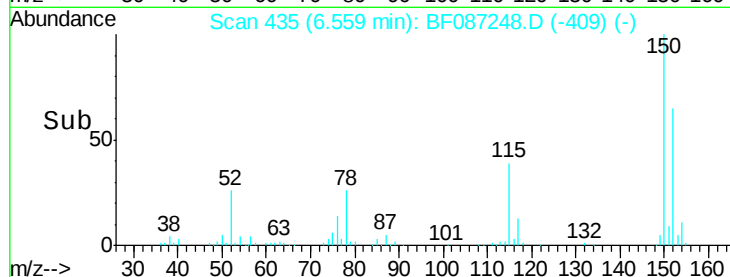
115 60.5 51.5 77.3



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



#2

1,4-Dioxane

Concen: 24.31 ng

RT: 1.70 min Scan# 10

Delta R.T. -0.26 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

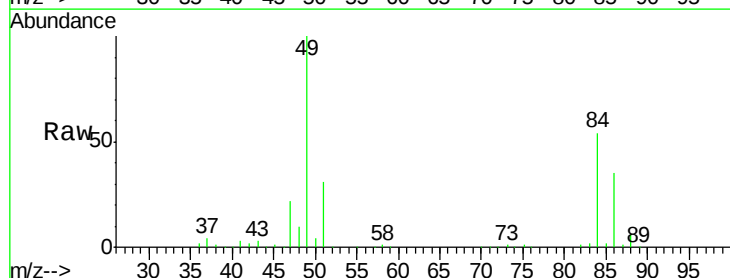
Tgt Ion: 88 Resp: 92218

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

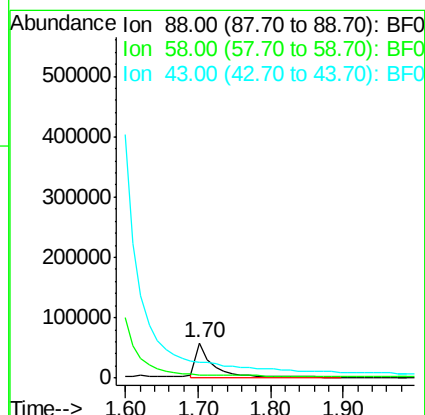
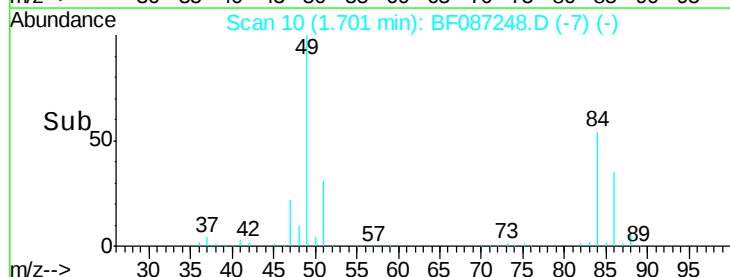
43 0.0 21.8 32.6#

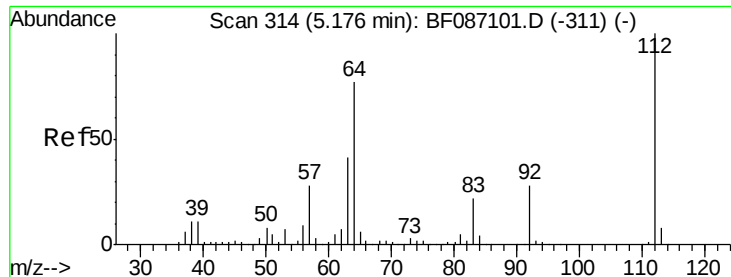


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 140.20 ng

RT: 5.14 min Scan# 311

Delta R.T. 0.01 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

9-AB-AC(0-2)

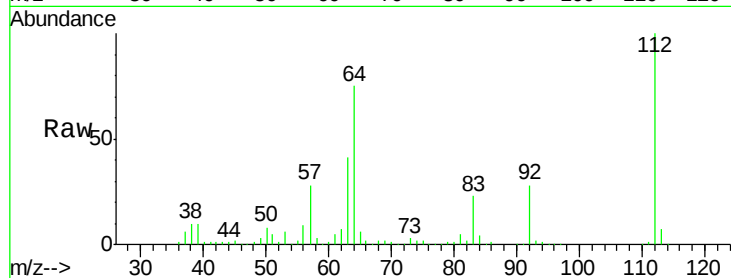
Tgt Ion: 112 Resp: 1033665

Ion Ratio Lower Upper

112 100

64 75.2 52.1 78.1

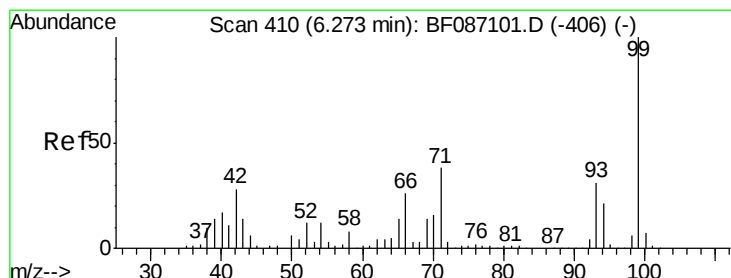
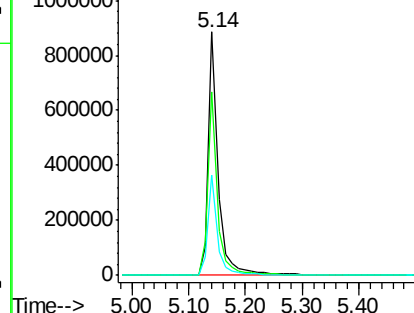
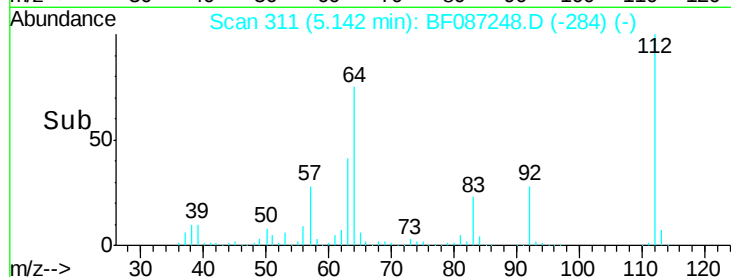
63 41.2 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 143.76 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

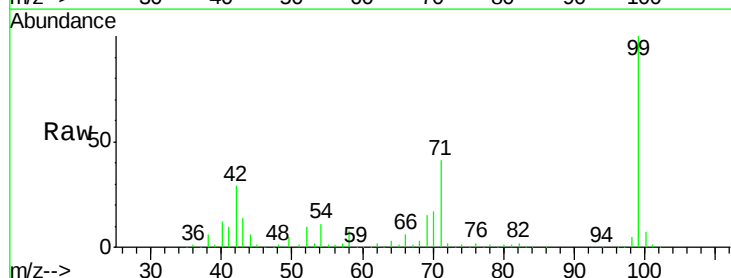
Tgt Ion: 99 Resp: 1421611

Ion Ratio Lower Upper

99 100

42 29.3 13.6 20.4#

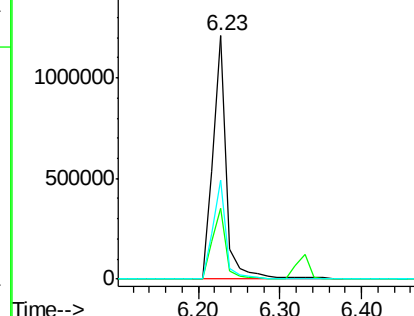
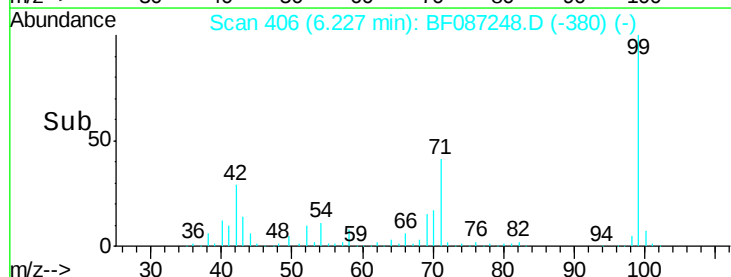
71 40.5 24.6 36.8#

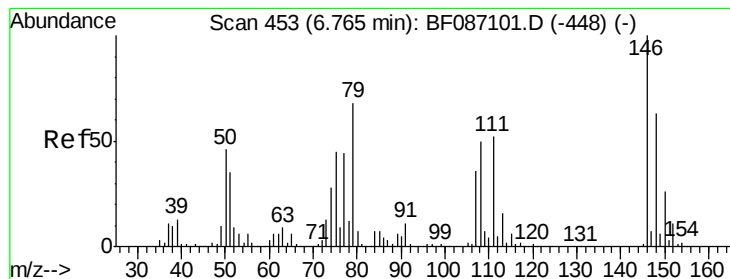


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

9-AB-AC(0-2)

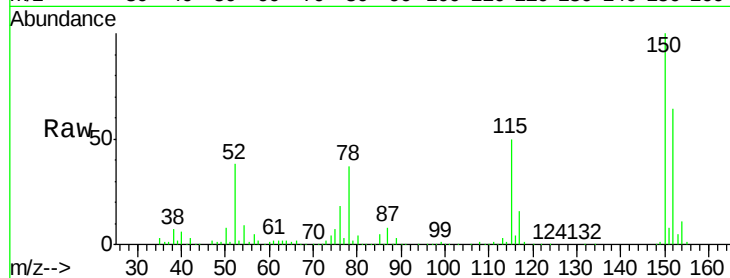
Tgt Ion: 79 Resp: 15060

Ion Ratio Lower Upper

79 100

108 28.9 68.4 102.6#

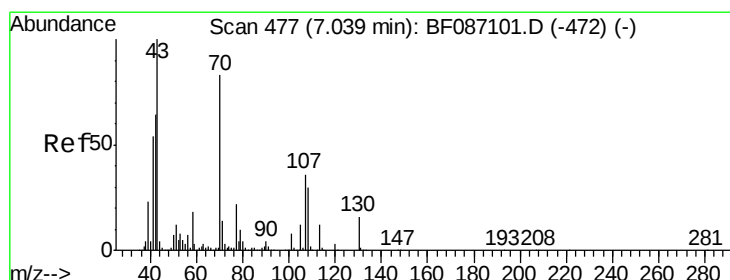
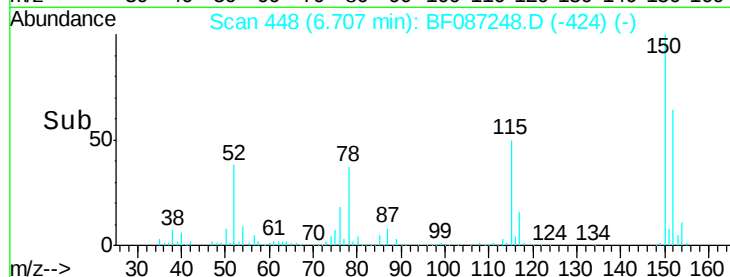
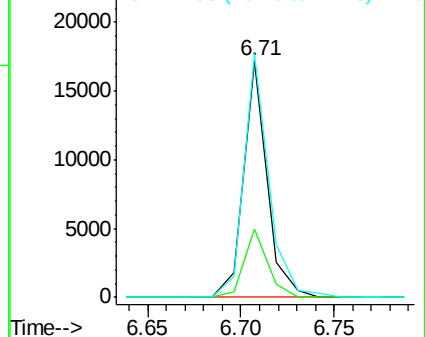
77 103.1 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.27 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.14 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

Tgt Ion: 70 Resp: 122334

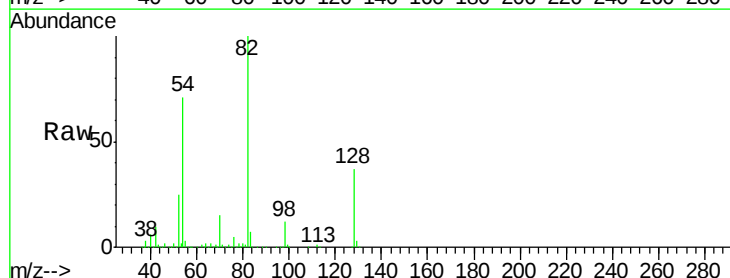
Ion Ratio Lower Upper

70 100

42 68.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

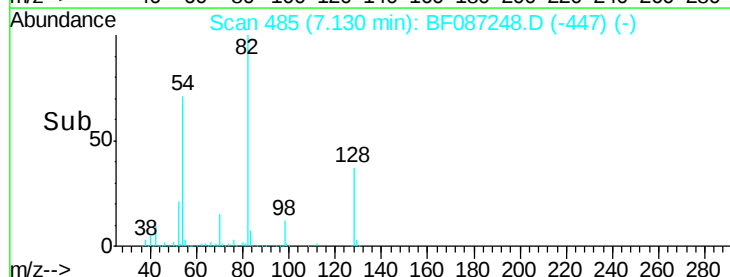
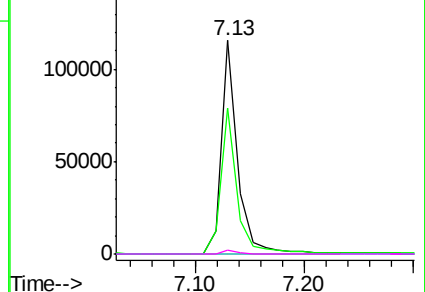


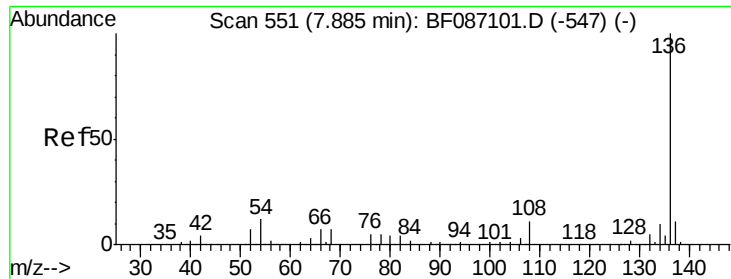
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

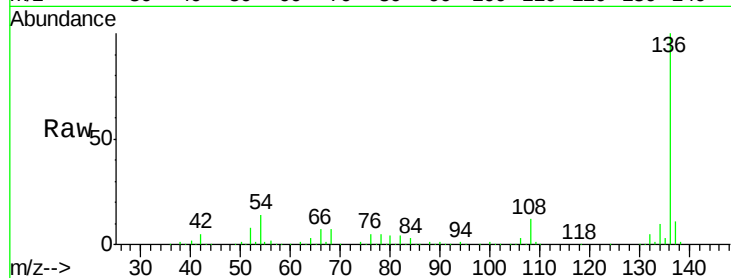




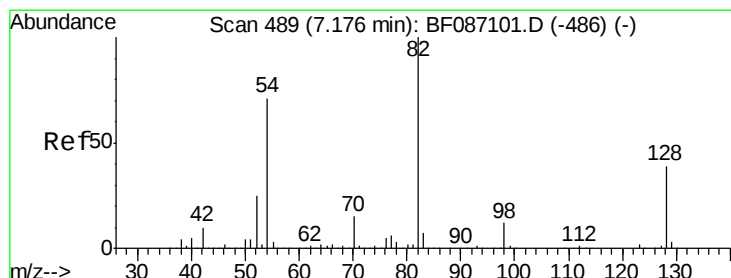
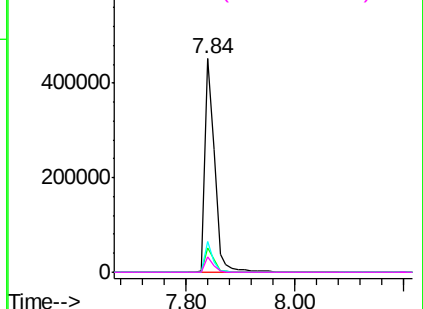
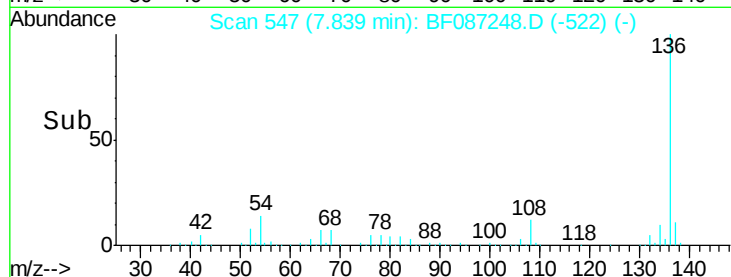
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF087248.D
Acq: 21 May 2016 2:48

Instrument :
BNA_F
ClientSampleId :
9-AB-AC(0-2)

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	14.4	5.0	7.4#
68	7.3	4.4	6.6#

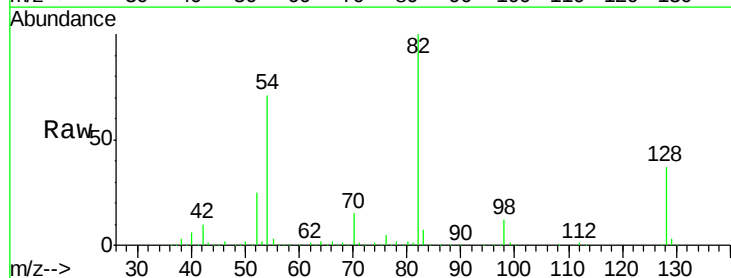


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

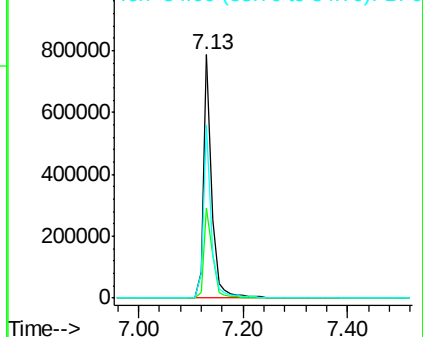
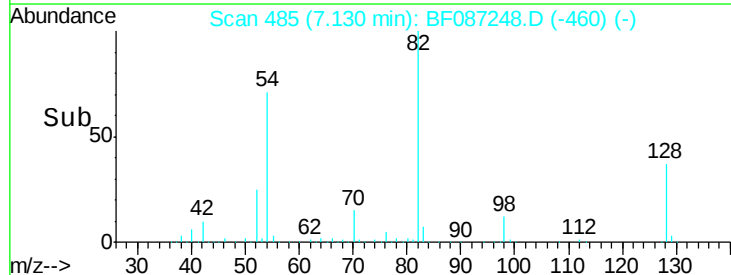


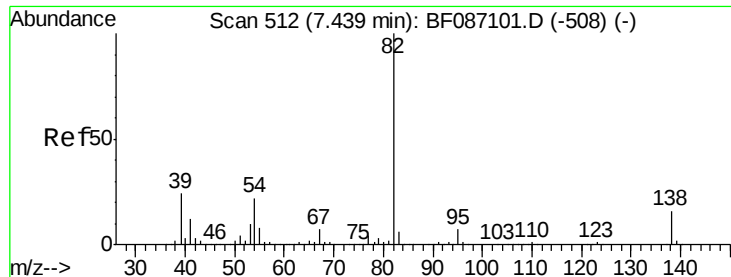
#23
Nitrobenzene-d5
Concen: 78.84 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF087248.D
Acq: 21 May 2016 2:48

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.0	40.6	61.0#
54	71.4	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: 39.74 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.27 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

9-AB-AC(0-2)

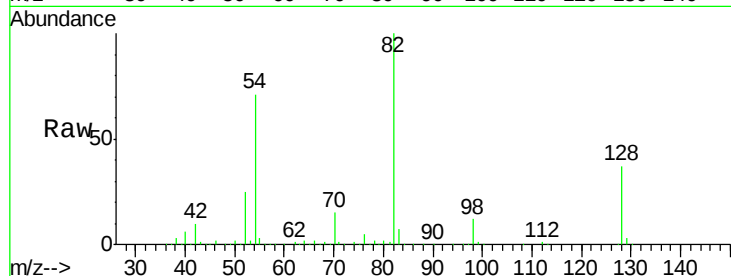
Tgt Ion: 82 Resp: 805130

Ion Ratio Lower Upper

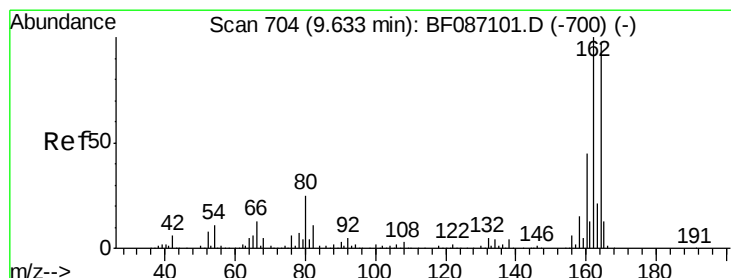
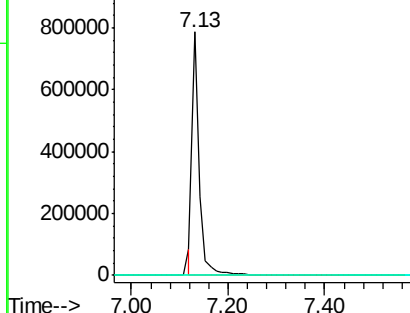
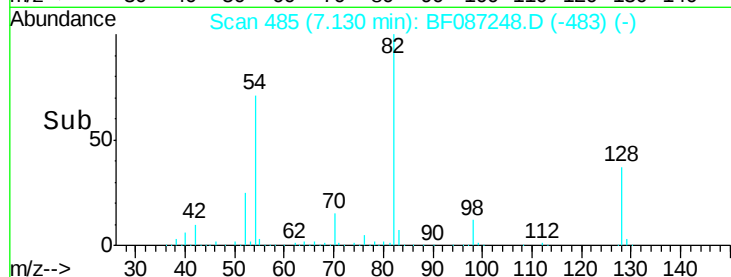
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.00 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

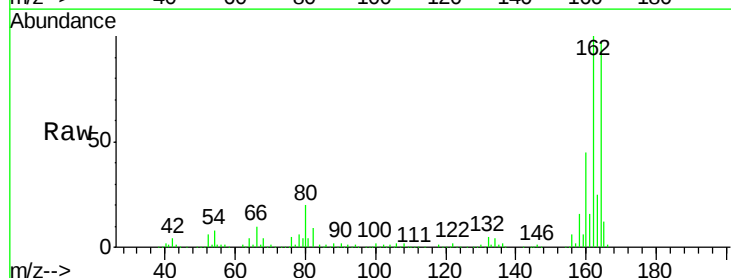
Tgt Ion: 164 Resp: 280333

Ion Ratio Lower Upper

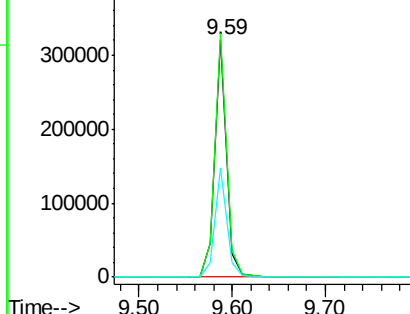
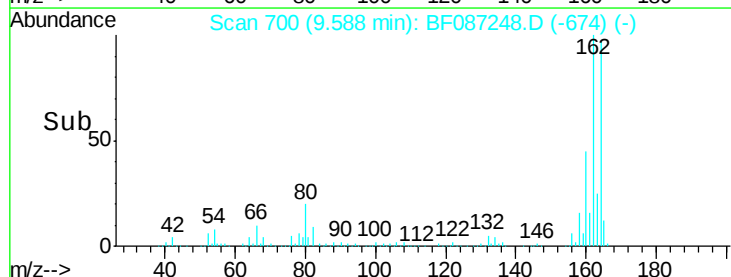
164 100

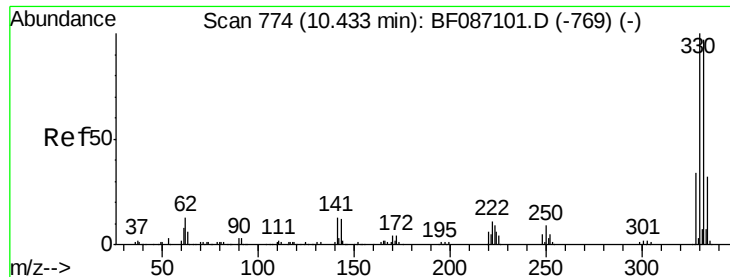
162 102.6 82.8 124.2

160 46.1 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

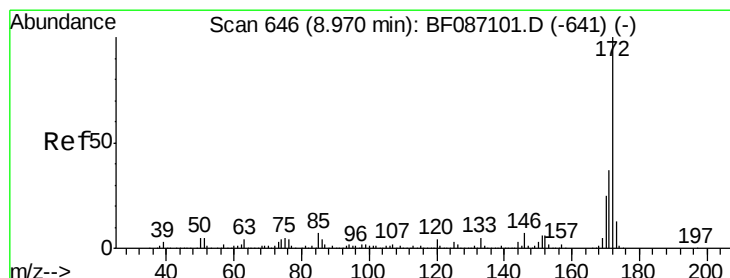
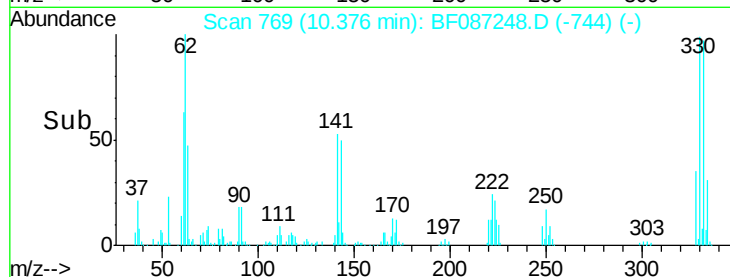
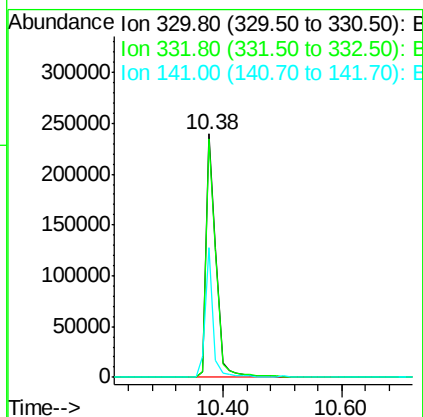
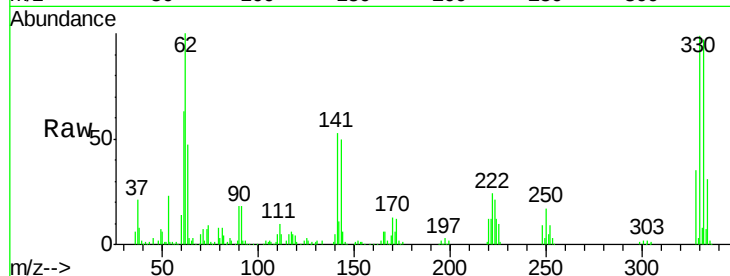




#41
 2,4,6-Tribromophenol
 Concen: 91.88 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF087248.D
 Acq: 21 May 2016 2:48

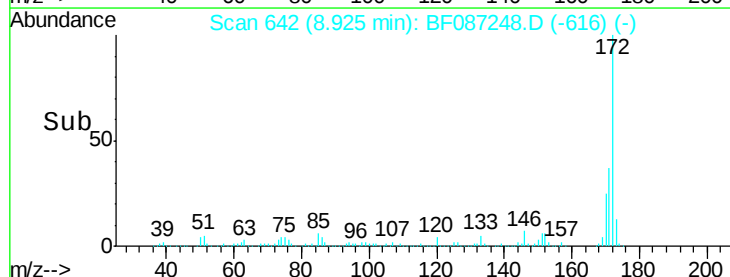
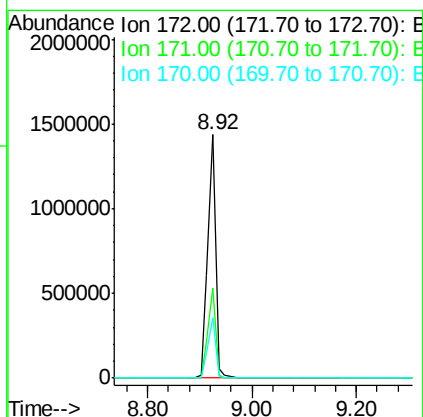
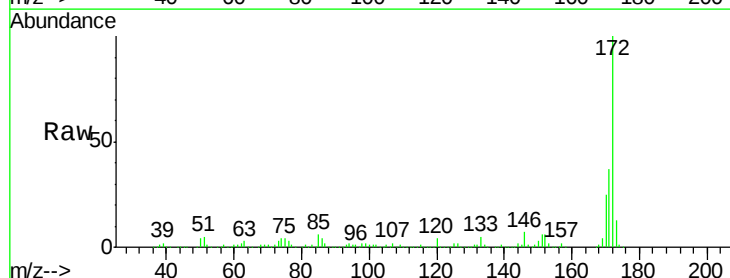
Instrument :
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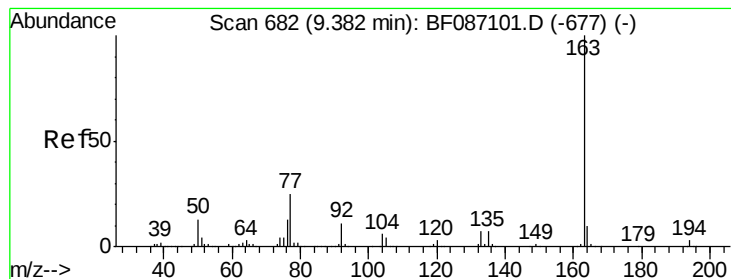
Tgt Ion:330 Resp: 284614
 Ion Ratio Lower Upper
 330 100
 332 98.2 79.0 118.4
 141 42.9 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 88.00 ng
 RT: 8.92 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: BF087248.D
 Acq: 21 May 2016 2:48

Tgt Ion:172 Resp: 1489486
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.0 43.6
 170 24.8 19.8 29.8





#49

Dimethylphthalate

Concen: 9.46 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

9-AB-AC(0-2)

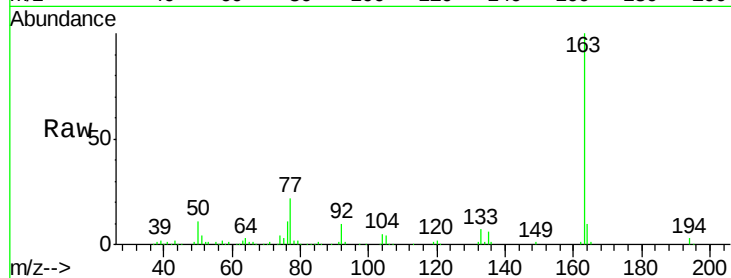
Tgt Ion:163 Resp: 202312

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

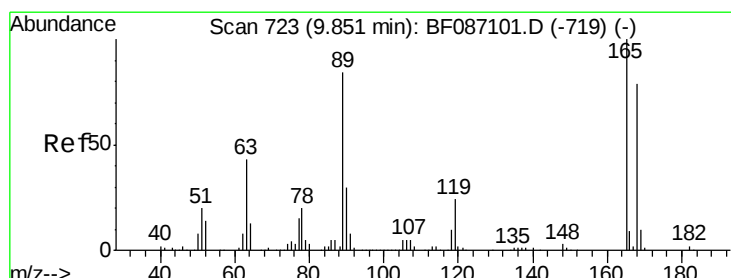
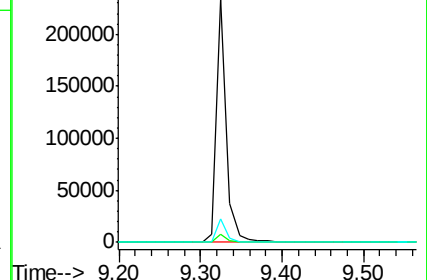
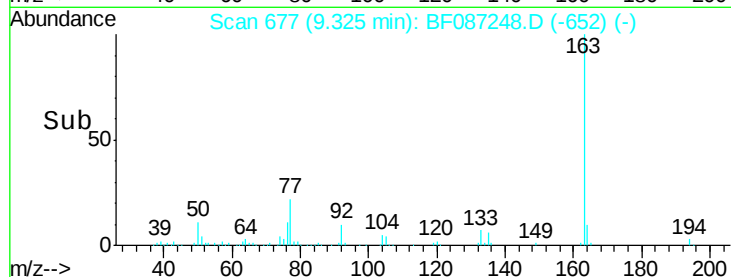
164 9.9 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 5.93 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.23 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

Tgt Ion:165 Resp: 35247

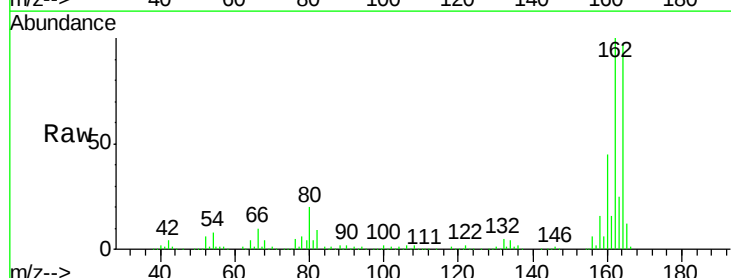
Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 2.0 70.0 105.0#

182 0.0 1.8 2.6#

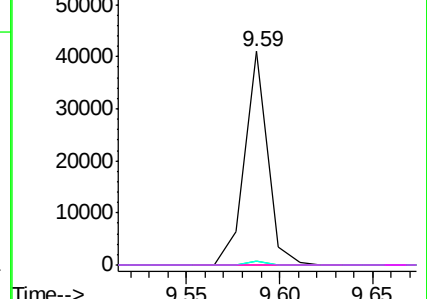
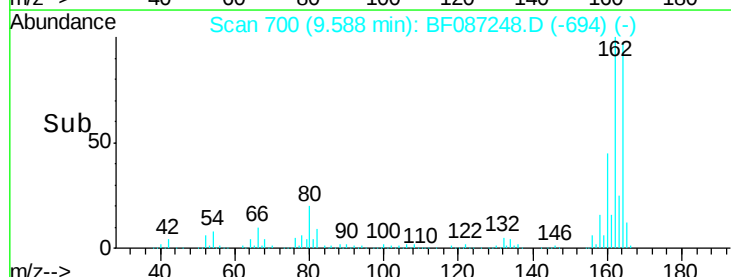


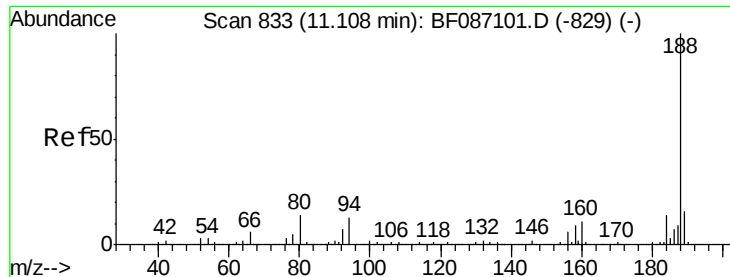
Abundance Ion 165.00 (164.70 to 165.70): E

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

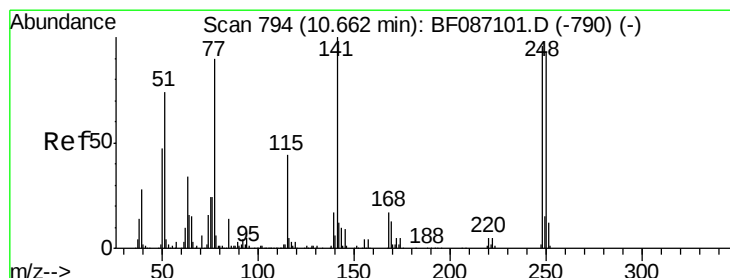
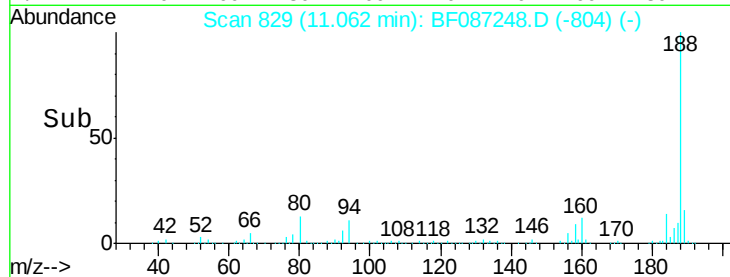
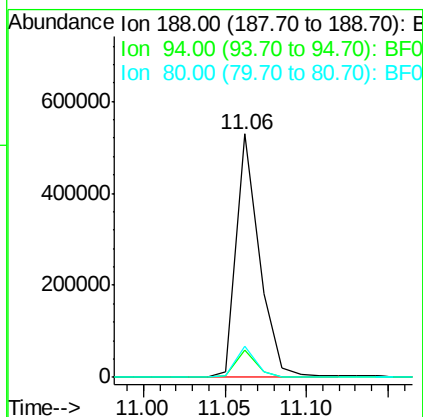
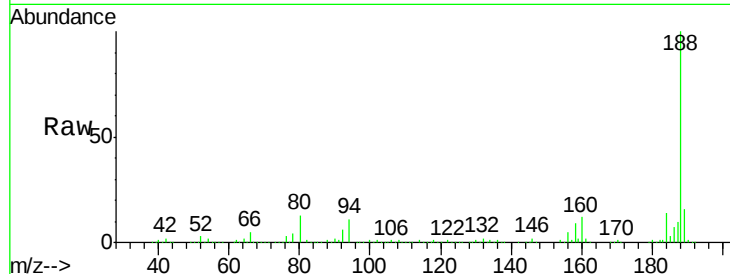




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF087248.D
 Acq: 21 May 2016 2:48

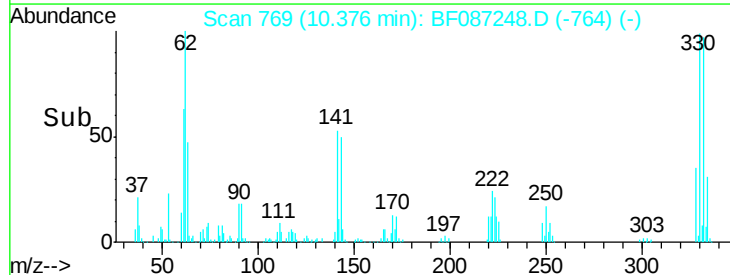
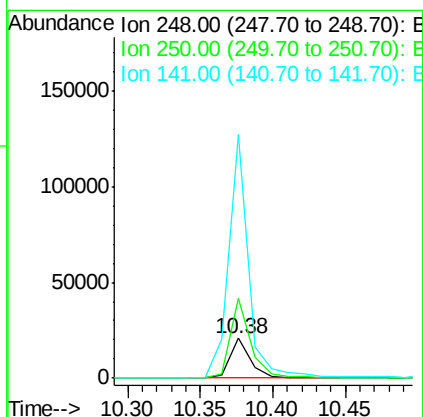
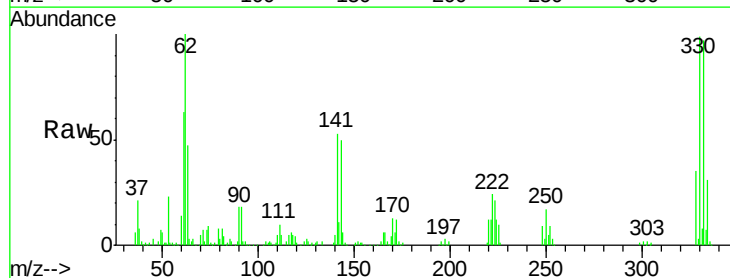
Instrument :
 BNA_F
 ClientSampleId :
 9-AB-AC(0-2)

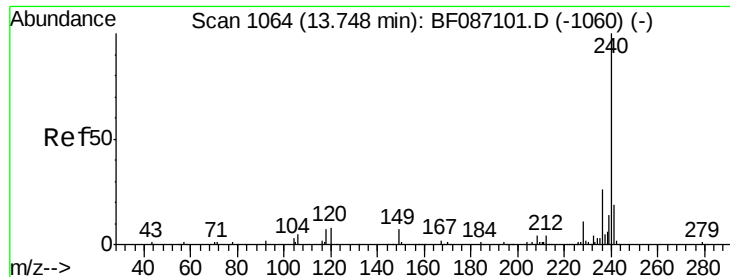
Tgt Ion:188 Resp: 518028
 Ion Ratio Lower Upper
 188 100
 94 11.2 6.8 10.2#
 80 12.6 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 3.71 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.24 min
 Lab File: BF087248.D
 Acq: 21 May 2016 2:48

Tgt Ion:248 Resp: 19771
 Ion Ratio Lower Upper
 248 100
 250 200.8 78.6 117.8#
 141 613.5 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

9-AB-AC(0-2)

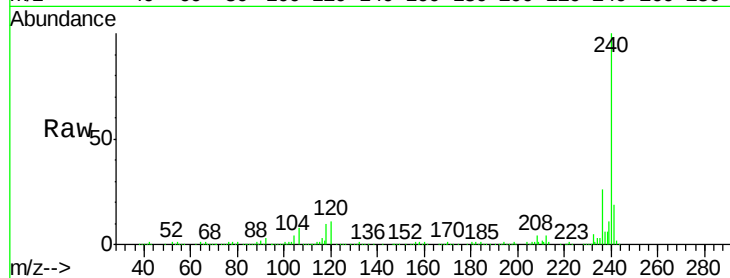
Tgt Ion:240 Resp: 406888

Ion Ratio Lower Upper

240 100

120 11.2 11.2 16.8#

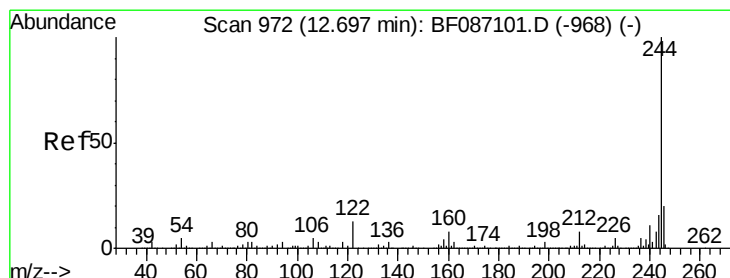
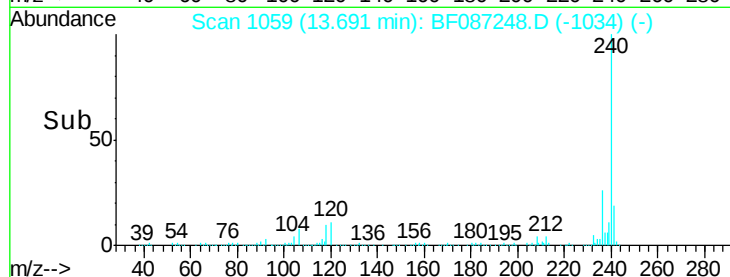
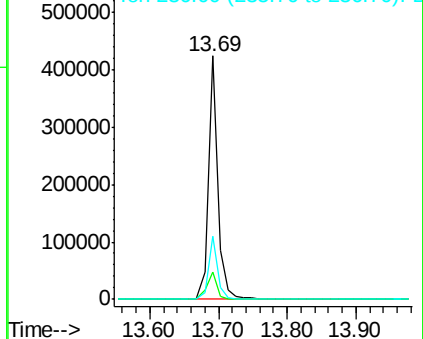
236 26.0 21.2 31.8



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: 71.19 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF087248.D

Acq: 21 May 2016 2:48

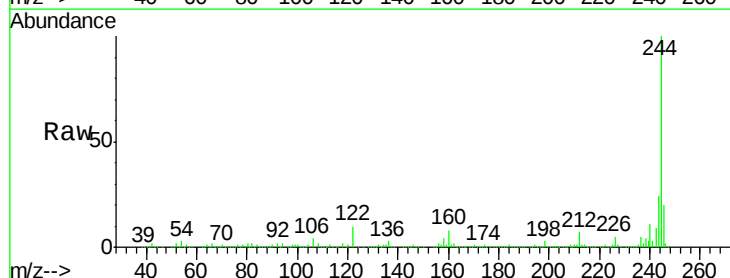
Tgt Ion:244 Resp: 1280539

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

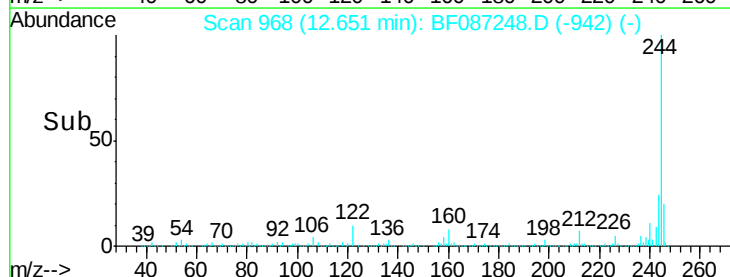
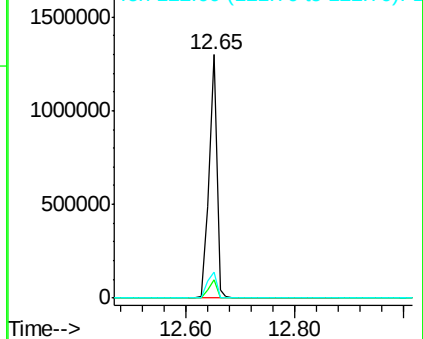
122 10.5 12.0 18.0#

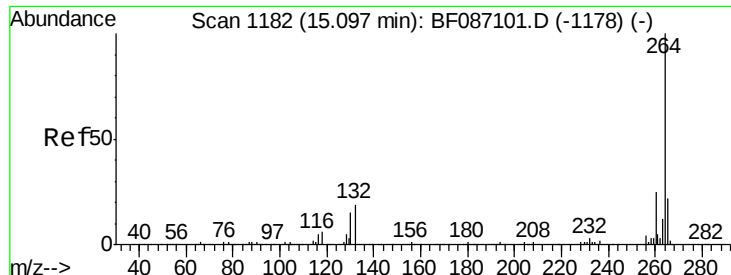


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.04 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF087248.D
Acq: 21 May 2016 2:48

Instrument :
BNA_F
ClientSampleId :
9-AB-AC(0-2)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.1	17.3	25.9

