

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086869.D
 Acq On : 10 May 2016 19:42
 Operator : UM/SJ
 Sample : H2917-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SES-CS-EF-Q2

Quant Time: May 11 03:44:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

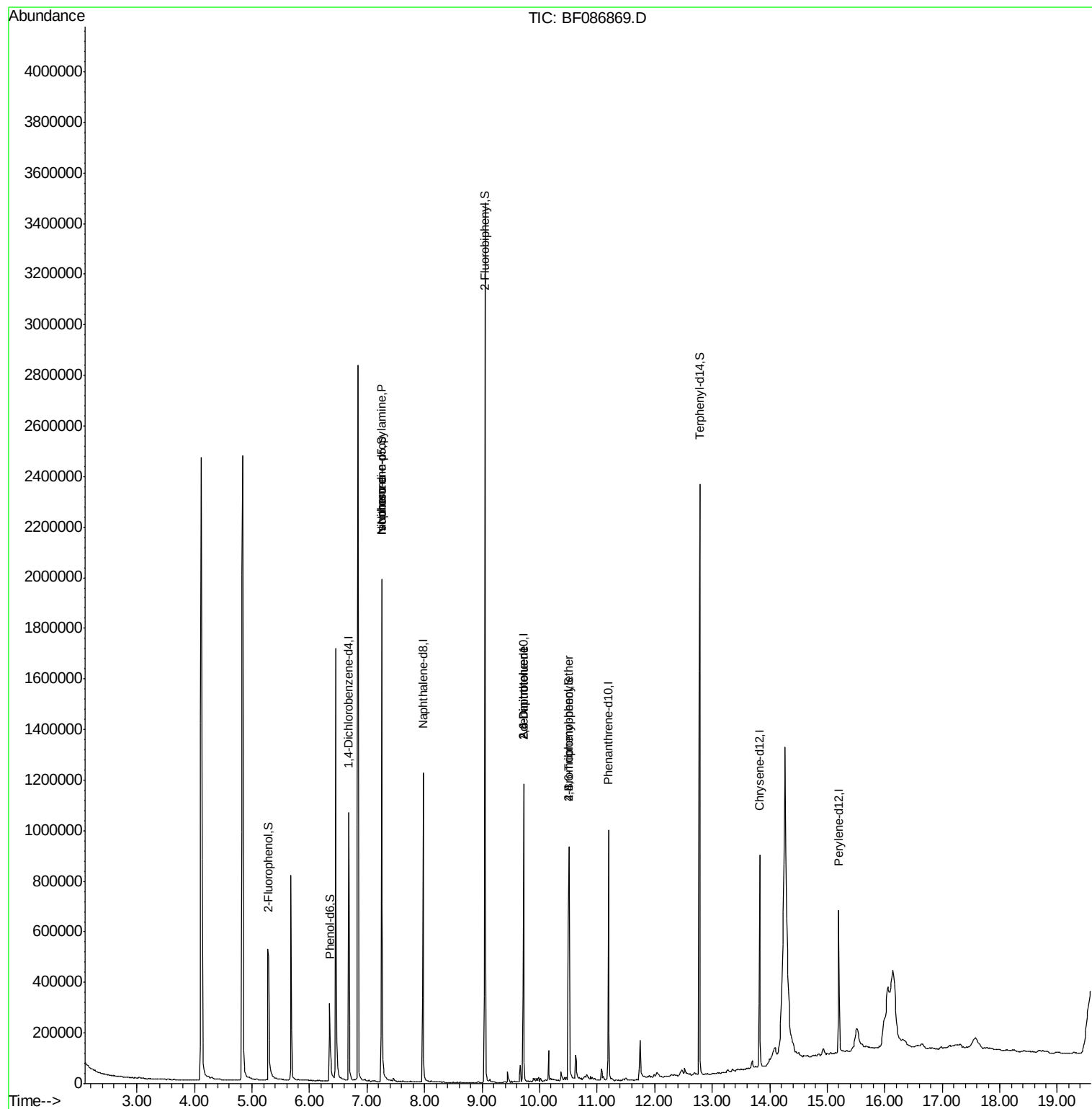
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	141970	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	546510	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	224164	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	344999	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	298124	20.00	ng	-0.01
86) Perylene-d12	15.20	264	253842	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	237478	28.33	ng	0.00
7) Phenol-d6	6.35	99	174904	15.61	ng	-0.01
23) Nitrobenzene-d5	7.25	82	665293	61.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	135057	56.91	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	1054887	79.09	ng	-0.01
78) Terphenyl-d14	12.78	244	897792	63.89	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	90712	11.59	ng	# 70
25) Isophorone	7.25	82	619661	30.69	ng	# 68
50) 2,6-Dinitrotoluene	9.72	165	28658	7.96	ng	# 21
56) 2,4-Dinitrotoluene	9.72	165	28659	6.43	ng	# 16
66) 4-Bromophenyl-phenylether	10.51	248	8213	2.35	ng	# 1

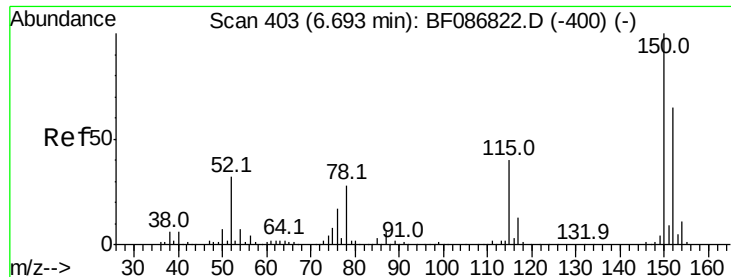
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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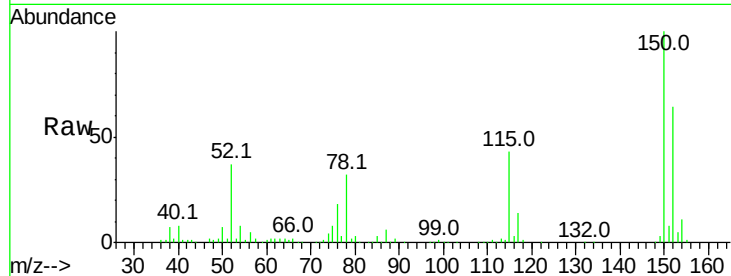


#1

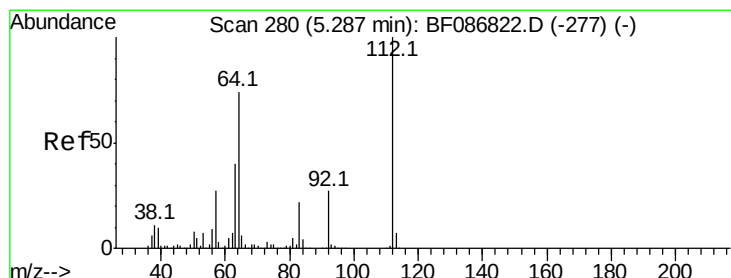
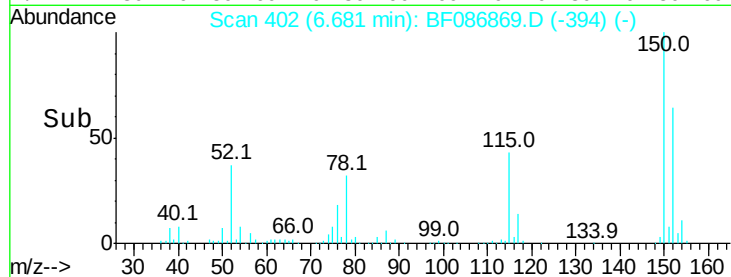
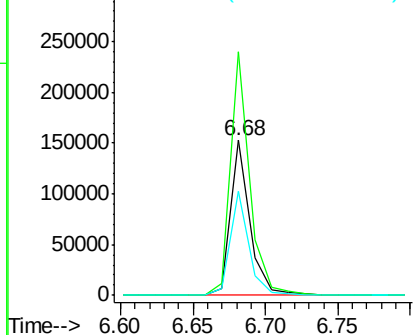
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: BF086869.D
 Acq: 10 May 2016 19:42

Instrument :
 BNA_F
 ClientSampleId :
 SES-CS-EF-Q2

Tot Ion:152 Resp: 141970
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.8 188.6
 115 67.2 51.5 77.3



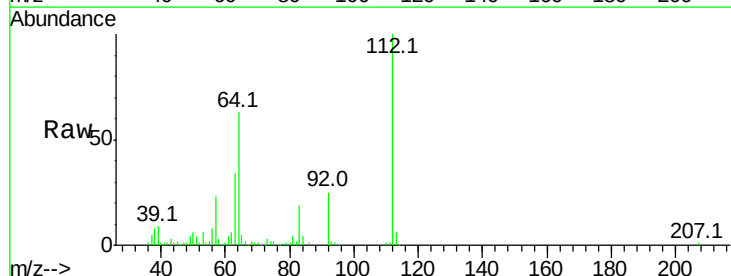
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



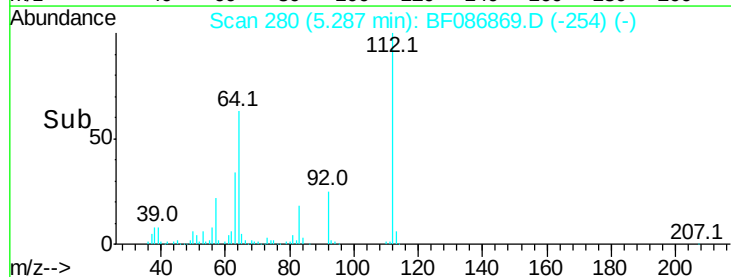
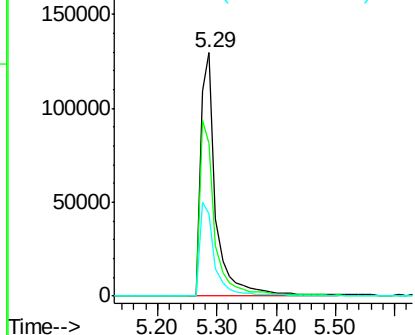
#5

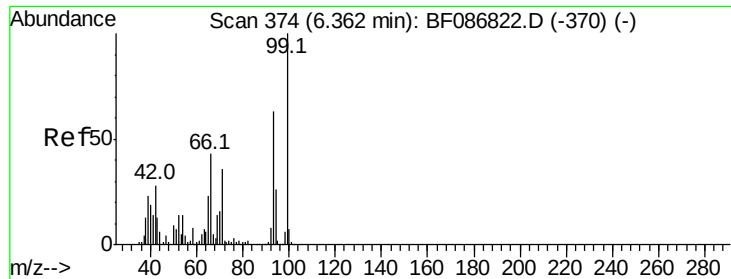
2-Fluorophenol
 Concen: 28.33 ng
 RT: 5.29 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: BF086869.D
 Acq: 10 May 2016 19:42

Tgt Ion:112 Resp: 237478
 Ion Ratio Lower Upper
 112 100
 64 62.9 52.1 78.1
 63 33.7 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: 15.61 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086869.D

Acq: 10 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

SES-CS-EF-Q2

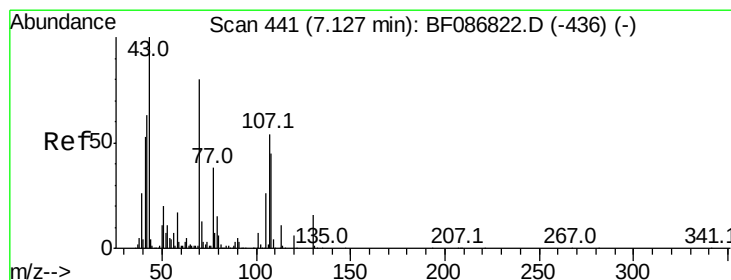
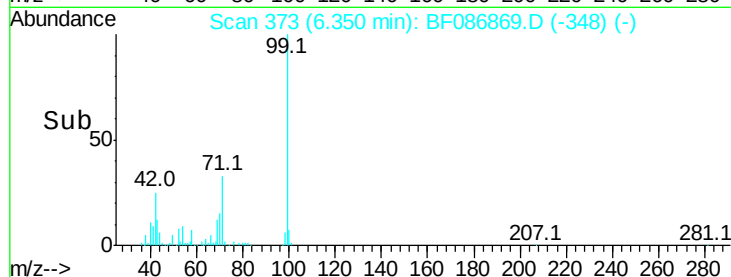
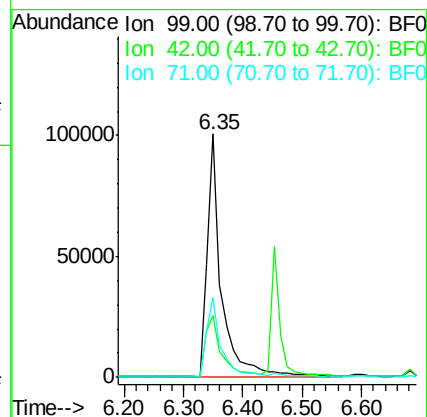
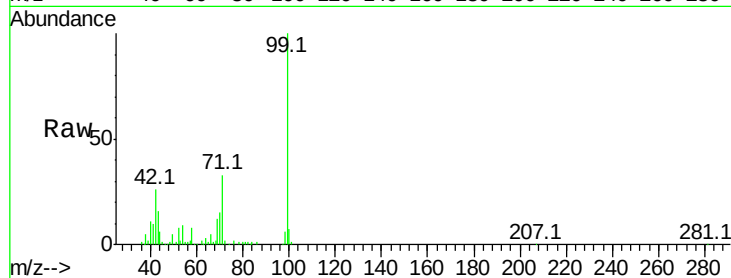
Tot Ion: 99 Resp: 174904

Ion Ratio Lower Upper

99 100

42 25.5 13.6 20.4#

71 32.8 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.59 ng

RT: 7.25 min Scan# 452

Delta R.T. 0.13 min

Lab File: BF086869.D

Acq: 10 May 2016 19:42

Tgt Ion: 70 Resp: 90712

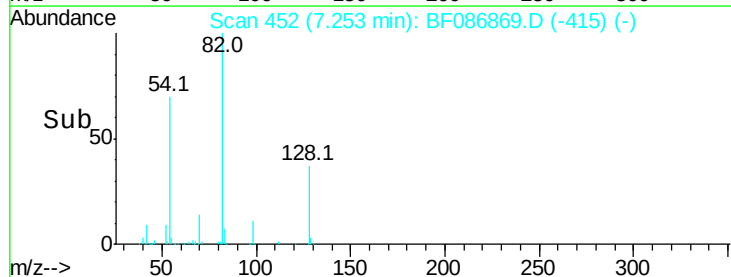
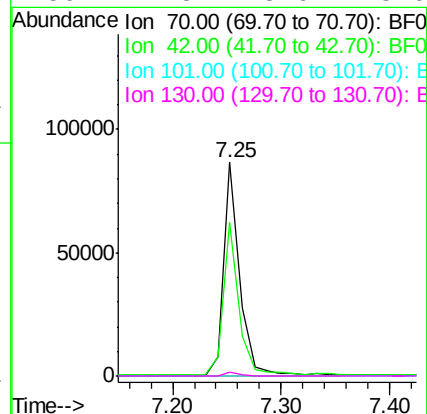
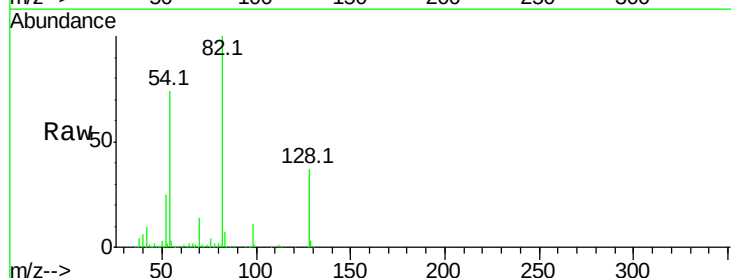
Ion Ratio Lower Upper

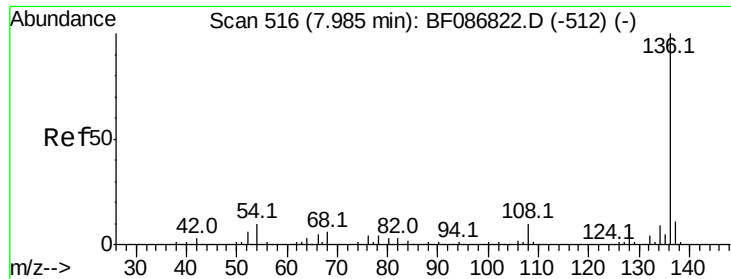
70 100

42 71.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

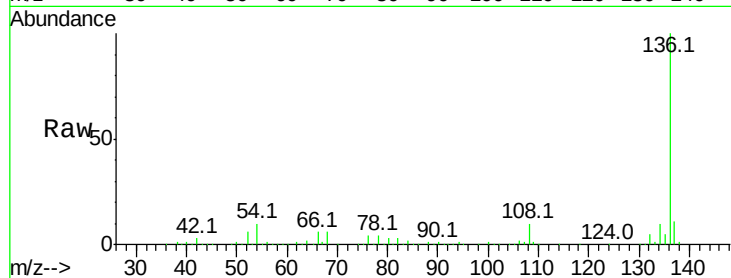




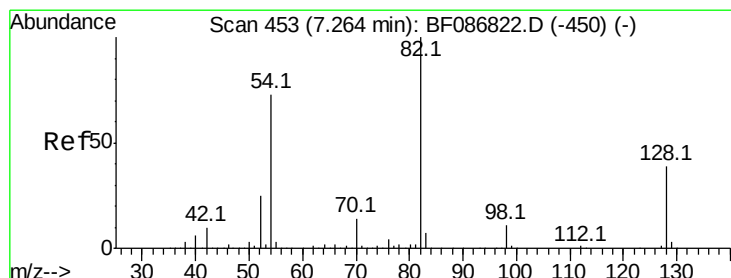
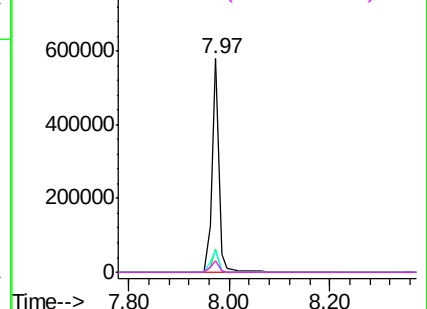
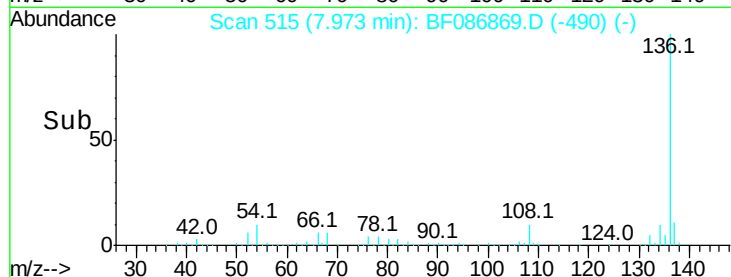
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086869.D
Acq: 10 May 2016 19:42

Instrument :
BNA_F
ClientSampleId :
SES-CS-EF-Q2

Tot Ion:	136	Resp:	546510
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.5	5.0	7.4#
68	5.7	4.4	6.6

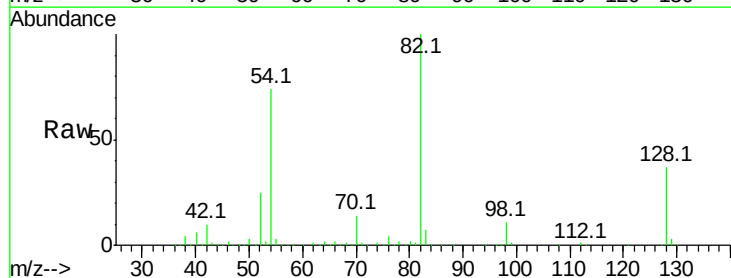


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

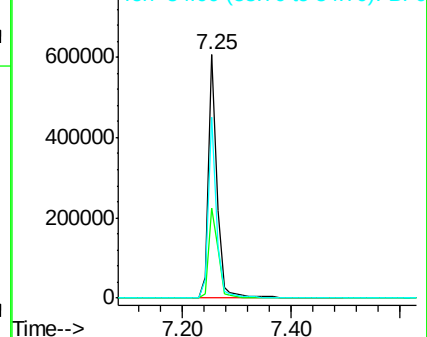
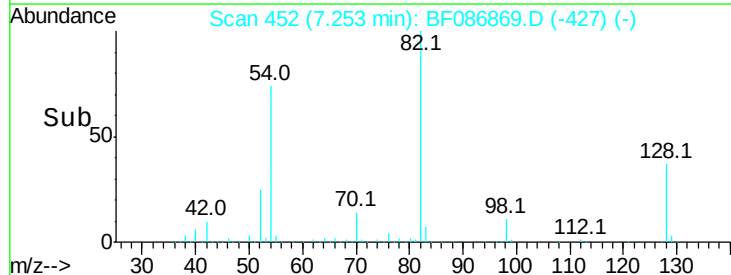


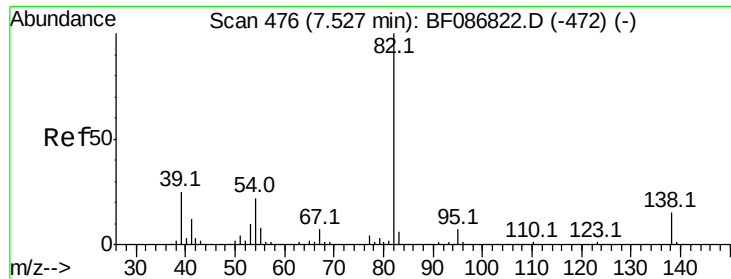
#23
Nitrobenzene-d5
Concen: 61.13 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF086869.D
Acq: 10 May 2016 19:42

Tgt Ion:	82	Resp:	665293
Ion	Ratio	Lower	Upper
82	100		
128	37.2	40.6	61.0#
54	74.2	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: 30.69 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.27 min

Lab File: BF086869.D

Acq: 10 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

SES-CS-EF-Q2

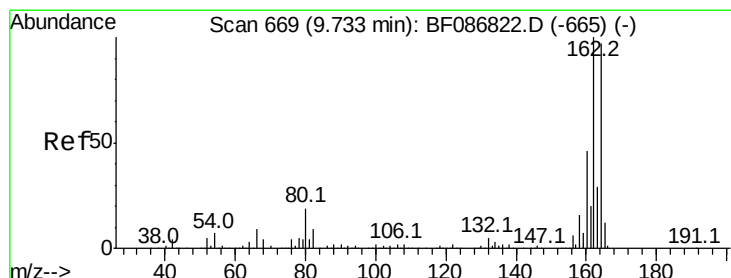
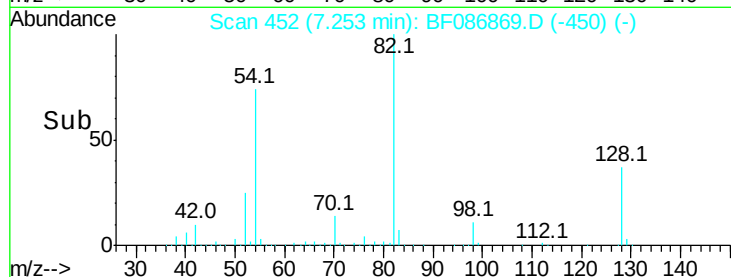
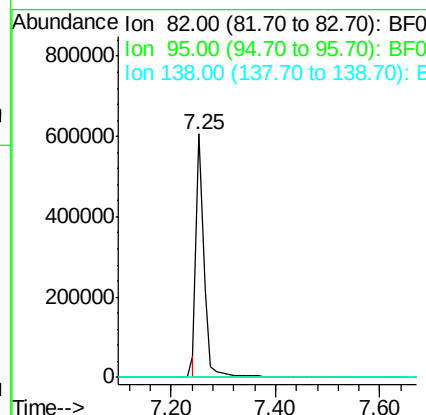
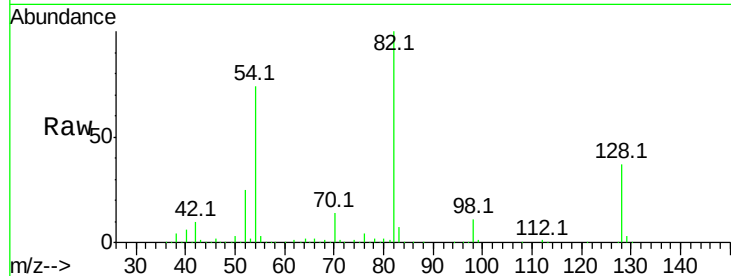
Tot Ion: 82 Resp: 619661

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086869.D

Acq: 10 May 2016 19:42

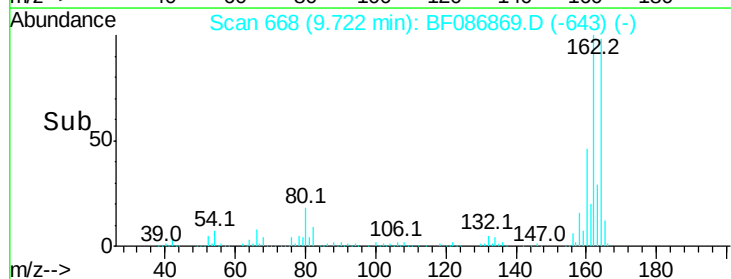
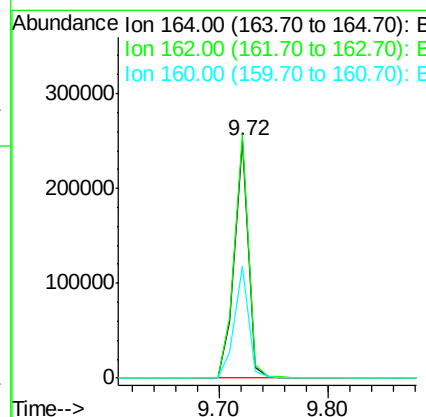
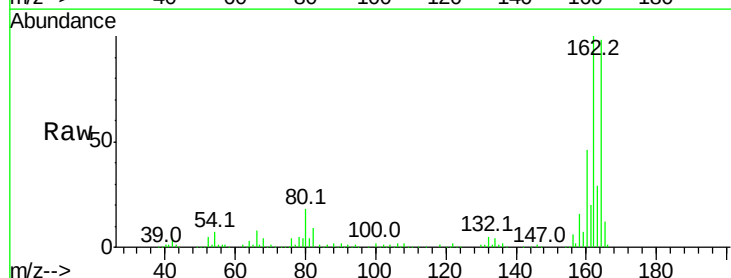
Tgt Ion:164 Resp: 224164

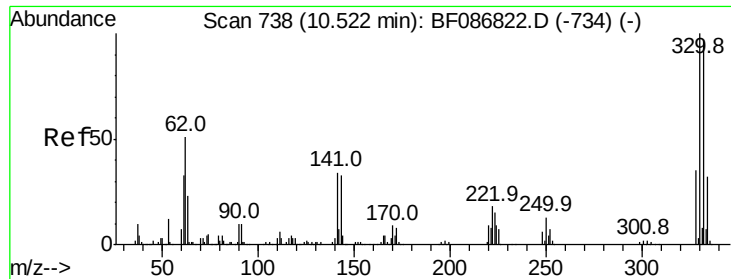
Ion Ratio Lower Upper

164 100

162 102.5 82.8 124.2

160 46.9 36.9 55.3

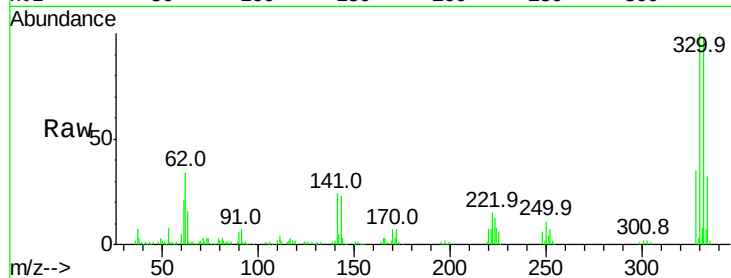




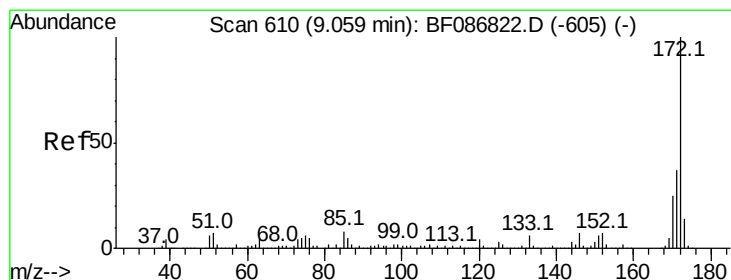
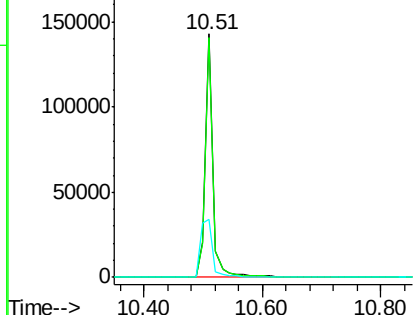
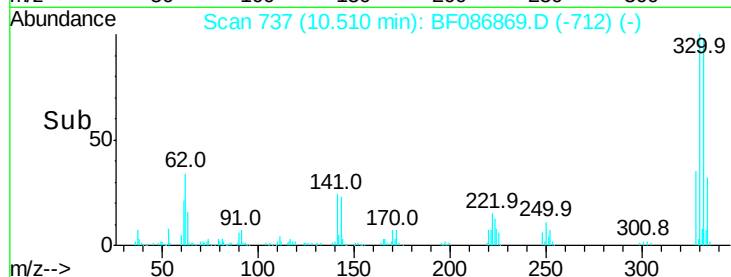
#41
 2,4,6-Tribromophenol
 Concen: 56.91 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086869.D
 Acq: 10 May 2016 19:42

Instrument :
 BNA_F
 ClientSampleId :
 SES-CS-EF-Q2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.0	118.4
141	37.7	31.2	46.8

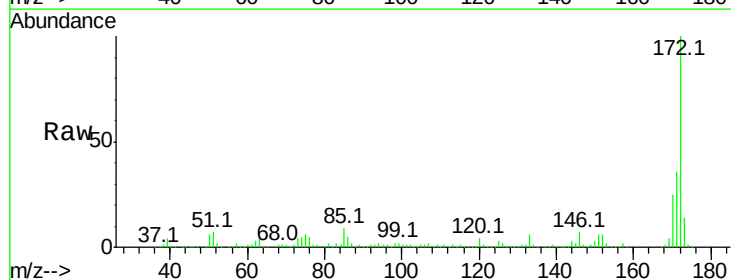


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

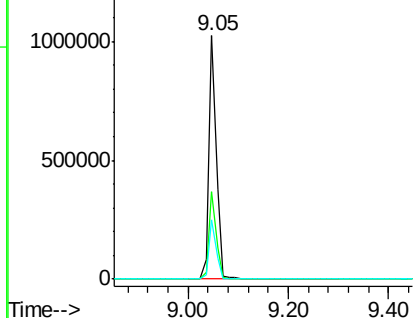
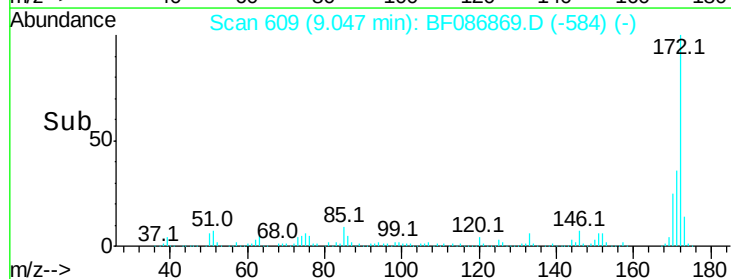


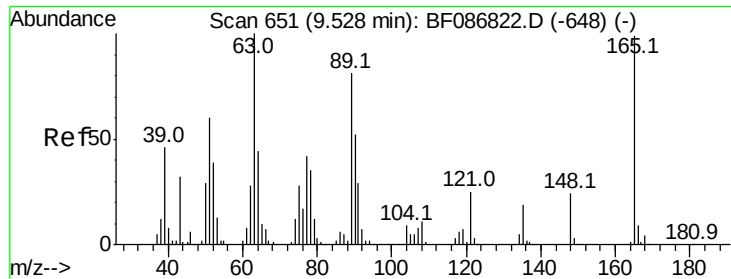
#44
 2-Fluorobiphenyl
 Concen: 79.09 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086869.D
 Acq: 10 May 2016 19:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.6	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





#50

2,6-Dinitrotoluene

Concen: 7.96 ng

RT: 9.72 min Scan# 668

Delta R.T. 0.19 min

Lab File: BF086869.D

Acq: 10 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

SES-CS-EF-Q2

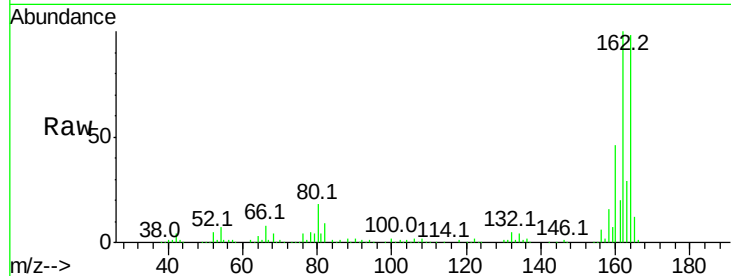
Tot Ion:165 Resp: 28658

Ion Ratio Lower Upper

165 100

63 1.9 51.8 77.8#

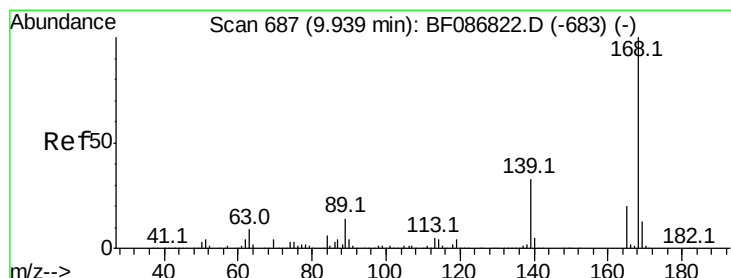
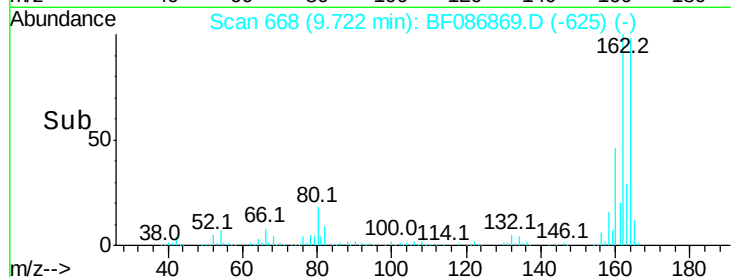
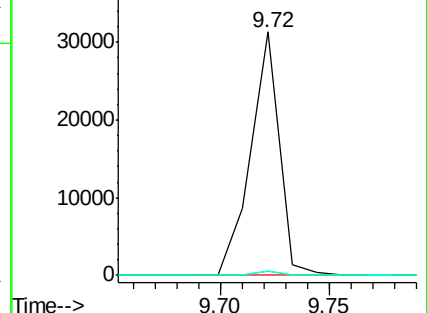
89 1.9 50.7 76.1#



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



#56

2,4-Dinitrotoluene

Concen: 6.43 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.22 min

Lab File: BF086869.D

Acq: 10 May 2016 19:42

Tgt Ion:165 Resp: 28659

Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 1.9 70.0 105.0#

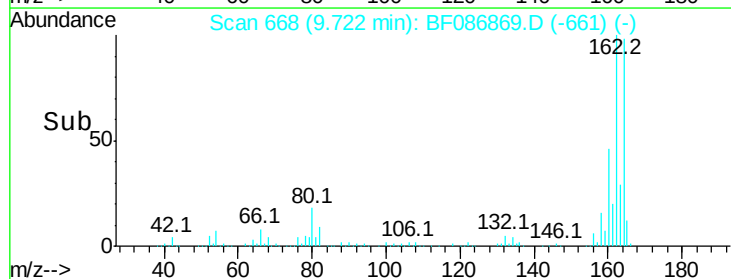
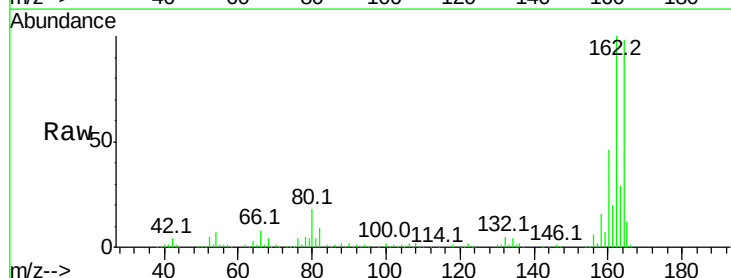
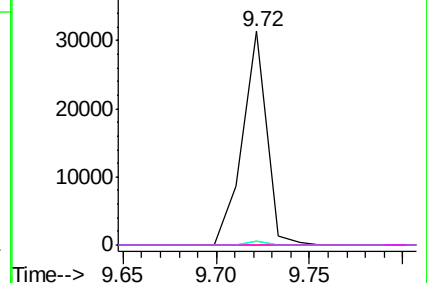
182 0.0 1.8 2.6#

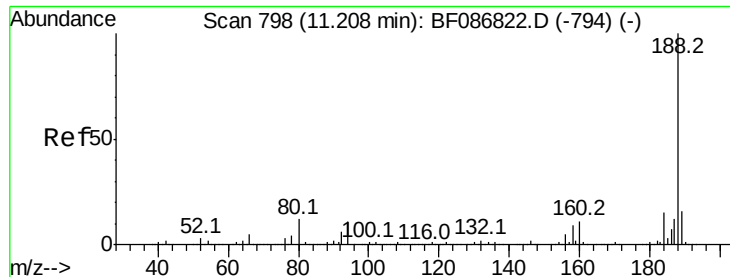
Abundance Ion 165.00 (164.70 to 165.70): E

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

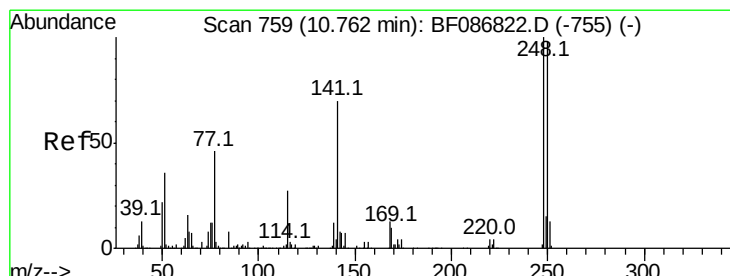
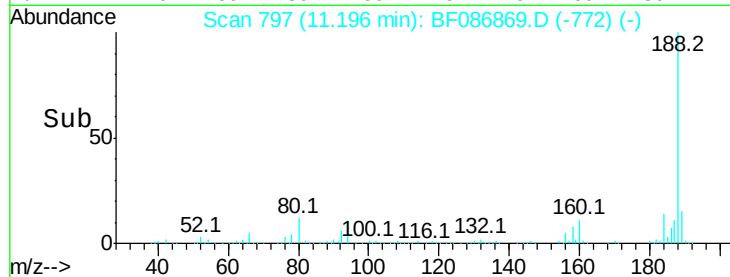
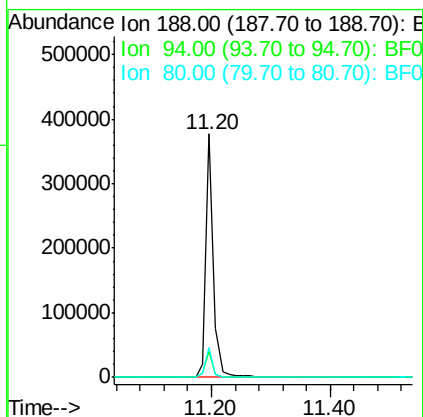
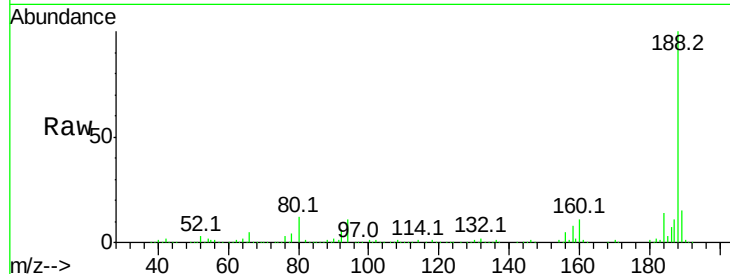




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF086869.D
 Acq: 10 May 2016 19:42

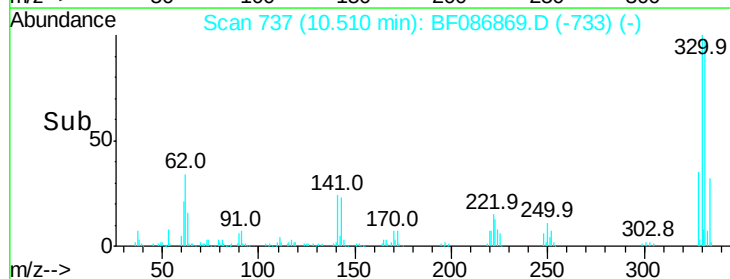
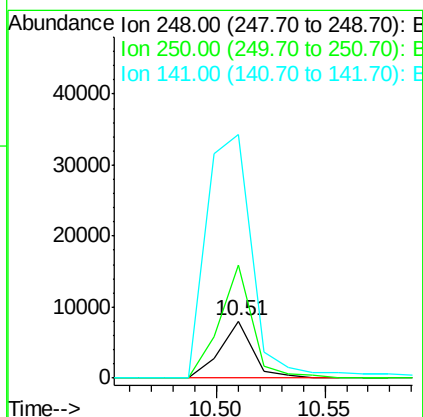
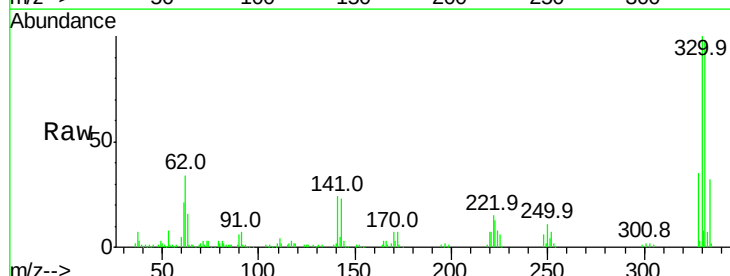
Instrument :
 BNA_F
 ClientSampleId :
 SES-CS-EF-Q2

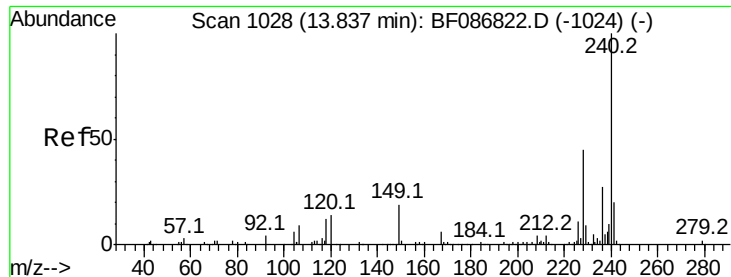
Tot Ion:188 Resp: 344999
 Ion Ratio Lower Upper
 188 100
 94 10.9 6.8 10.2#
 80 12.1 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 2.35 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.25 min
 Lab File: BF086869.D
 Acq: 10 May 2016 19:42

Tgt Ion:248 Resp: 8213
 Ion Ratio Lower Upper
 248 100
 250 199.2 78.6 117.8#
 141 428.4 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086869.D

Acq: 10 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

SES-CS-EF-Q2

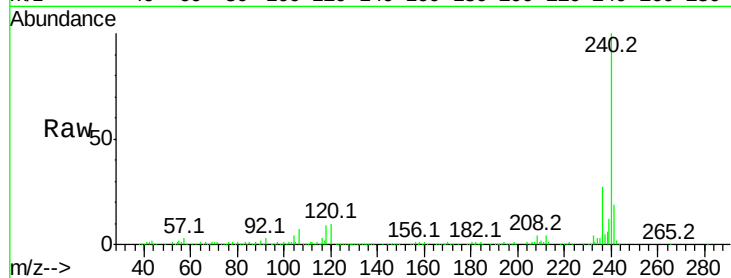
Tot Ion:240 Resp: 298124

Ion Ratio Lower Upper

240 100

120 10.1 11.2 16.8#

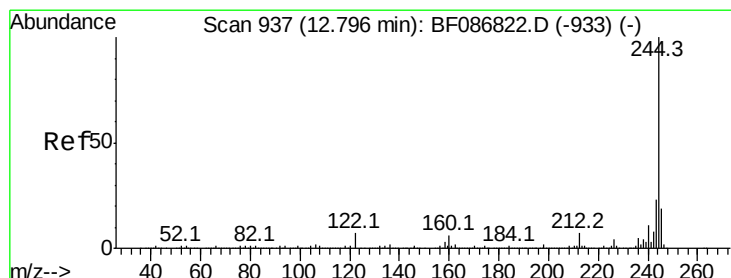
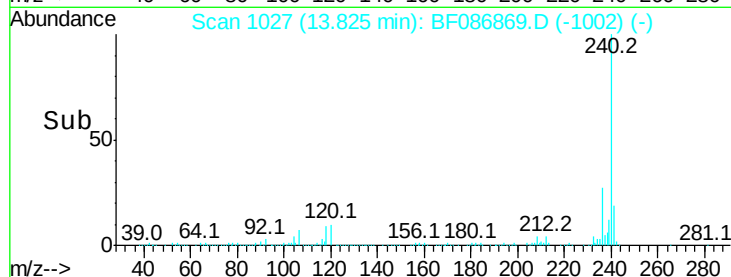
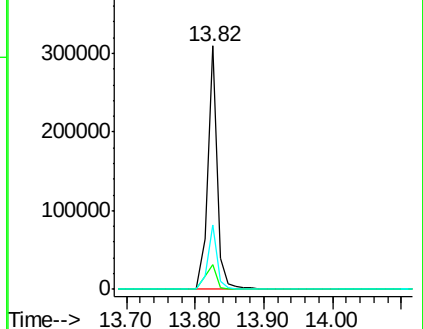
236 26.7 21.2 31.8



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: 63.89 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086869.D

Acq: 10 May 2016 19:42

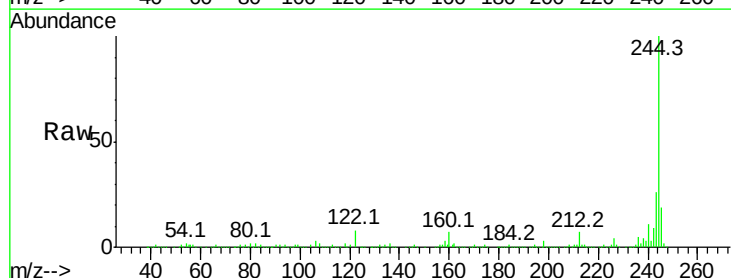
Tgt Ion:244 Resp: 897792

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

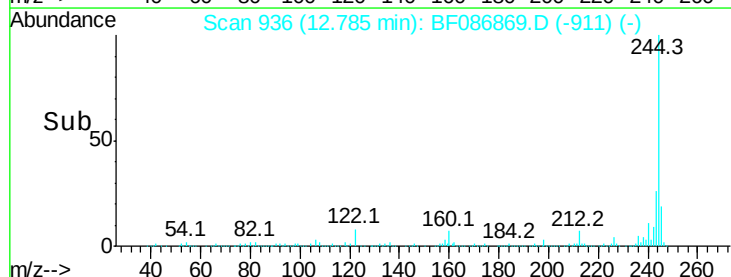
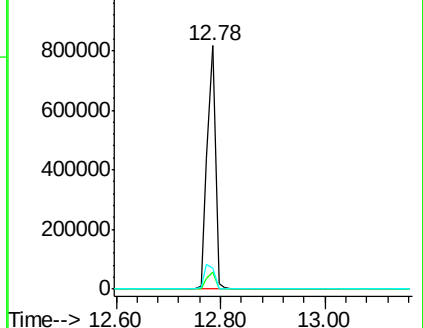
122 8.5 12.0 18.0#

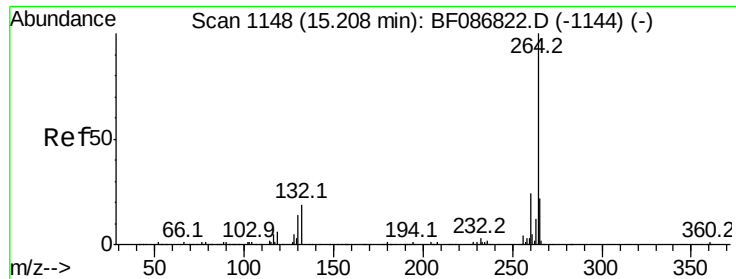


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF086869.D
Acq: 10 May 2016 19:42

Instrument :
BNA_F
ClientSampleId :
SES-CS-EF-Q2

Tot Ion:264 Resp: 253842

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.6	17.3	25.9

