

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113015\
 Data File : BF083361.D
 Acq On : 1 Dec 2015 4:45
 Operator : UM/IZ
 Sample : G4571-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-32-77-COMPOSITE

Quant Time: Dec 01 07:37:29 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

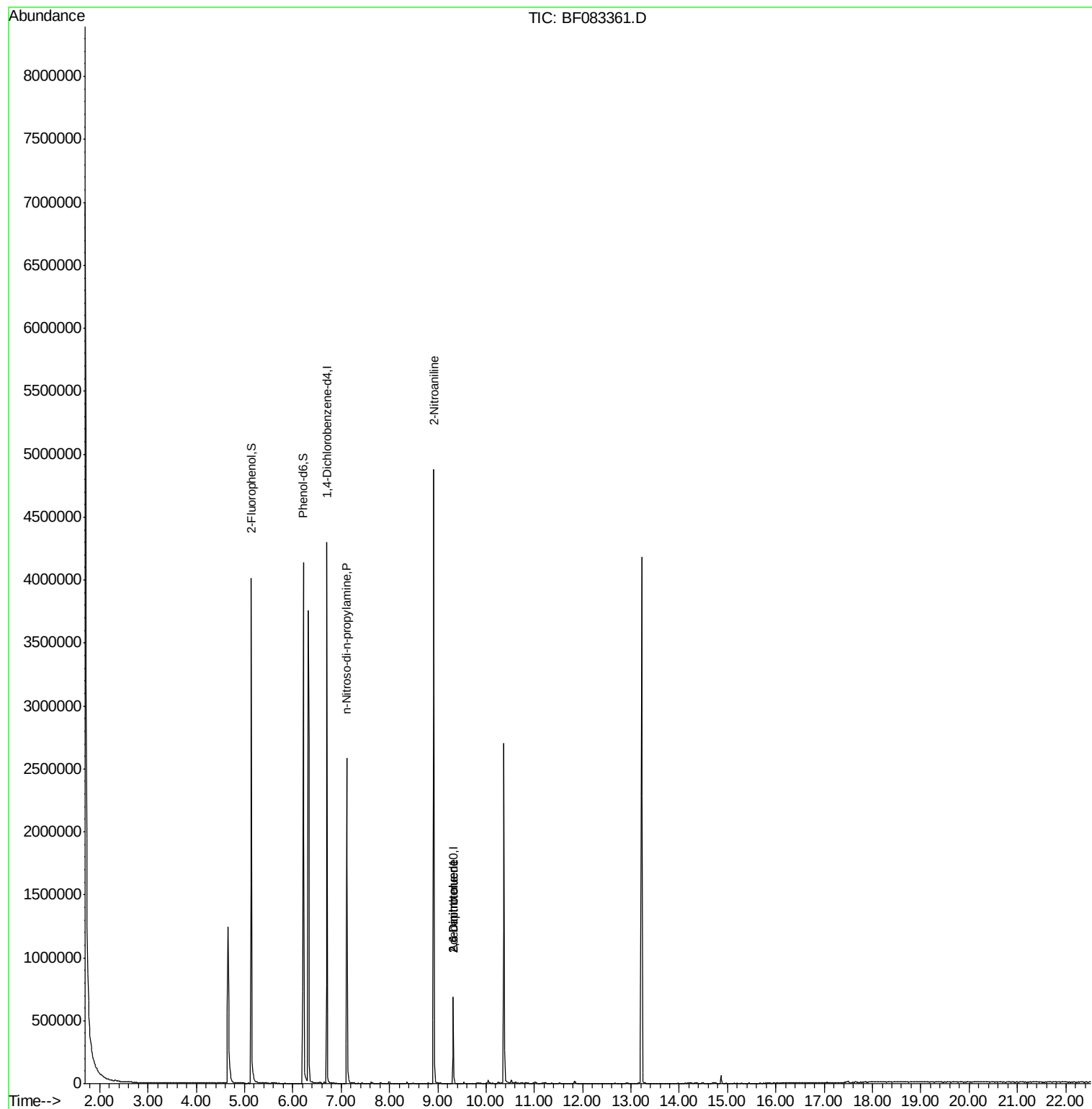
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	616373	20.00	ng	0.16
21) Naphthalene-d8	0.00	136	0	0.00	ng	-7.84
38) Acenaphthene-d10	9.32	164	25929	20.00	ng	-0.26
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.13
75) Chrysene-d12	0.00	240	0	0.00	ng	-14.76
86) Perylene-d12	0.00	264	0	0.00	ng	-16.82
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	1220618	29.72	ng	0.01
7) Phenol-d6	6.21	99	1734424	30.85	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1171468	0.00	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	13.22	244	1964152	0.00	ng	0.00
Target Compounds						
9) Benzaldehyde	6.21	77	2871	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	7.12	70	153780	3.83	ng	# 83
47) 2-Nitroaniline	8.92	65	3987	5.81	ng	# 1
50) 2,6-Dinitrotoluene	9.32	165	2780	6.18	ng	# 32
56) 2,4-Dinitrotoluene	9.32	165	2780	4.87	ng	# 28

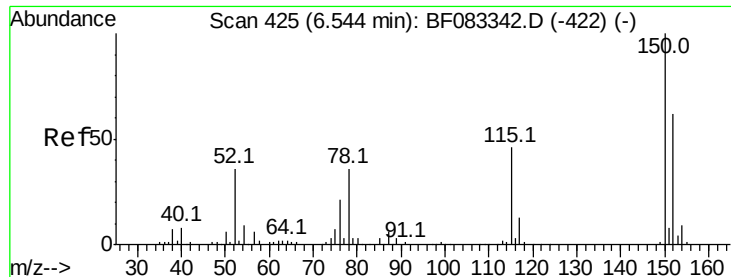
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.16 min

Lab File: BF083361.D

Acq: 1 Dec 2015 4:45

Instrument :

BNA_F

ClientSampleId :

DRUM-32-77-COMPOSITE

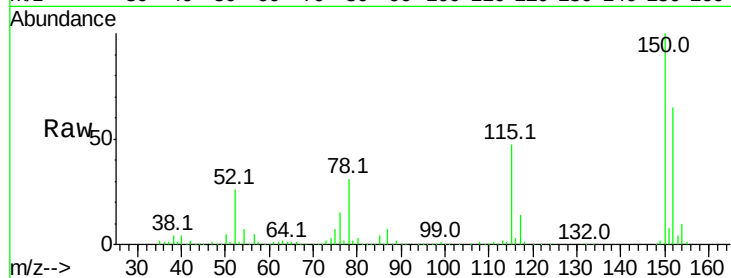
Tot Ion:152 Resp: 616373

Ion Ratio Lower Upper

152 100

150 153.2 129.8 194.8

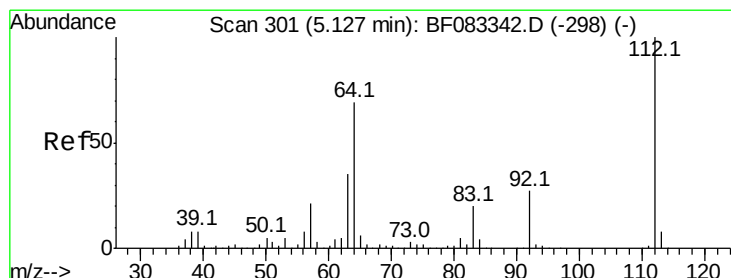
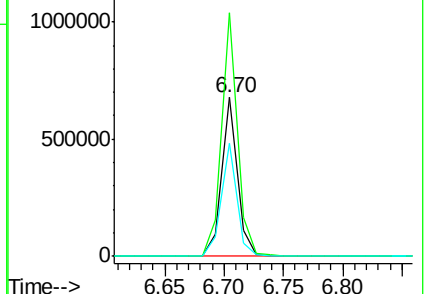
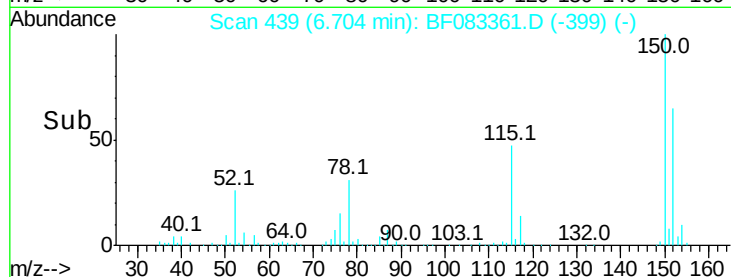
115 71.3 59.2 88.8



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: 29.72 ng

RT: 5.14 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083361.D

Acq: 1 Dec 2015 4:45

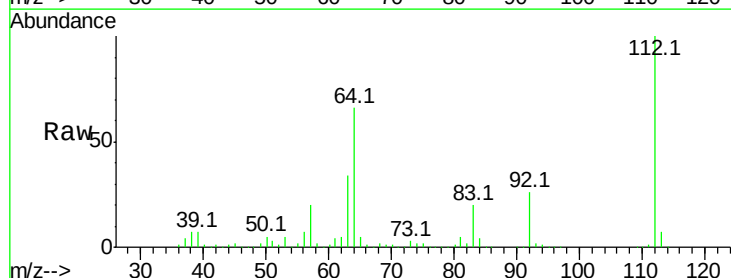
Tgt Ion:112 Resp: 1220618

Ion Ratio Lower Upper

112 100

64 66.0 55.6 83.4

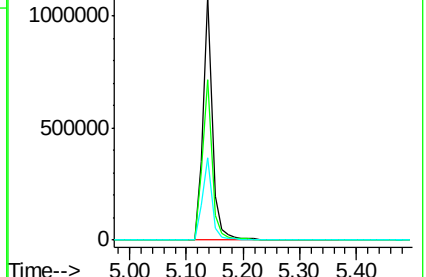
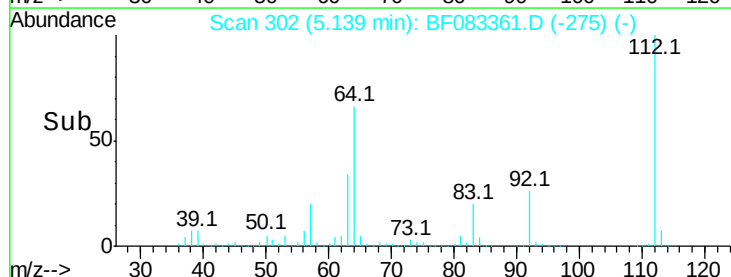
63 33.7 28.2 42.2

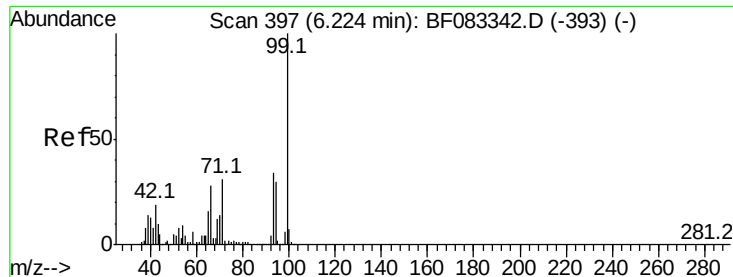


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.85 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083361.D

Acq: 1 Dec 2015 4:45

Instrument :

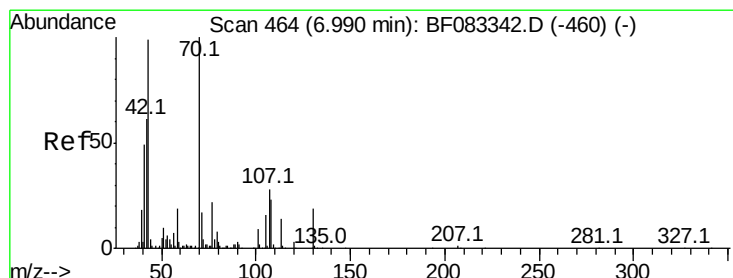
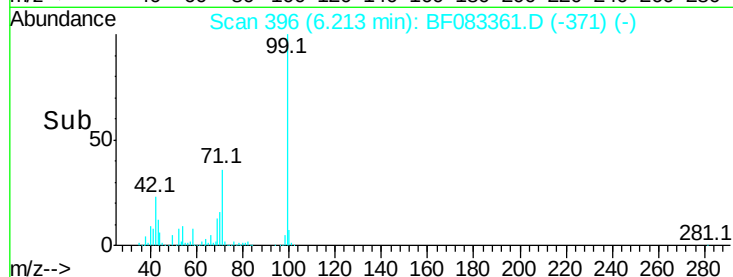
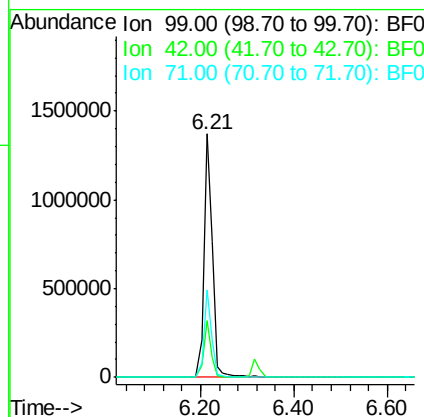
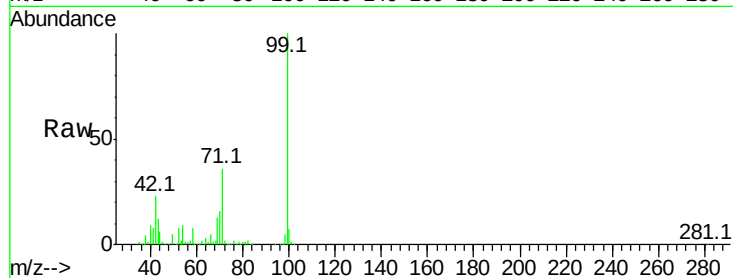
BNA_F

ClientSampleId :

DRUM-32-77-COMPOSITE

Tot Ion: 99 Resp: 1734424

Ion	Ratio	Lower	Upper
99	100		
42	23.5	14.9	22.3#
71	35.7	24.7	37.1



#19

n-Nitroso-di-n-propylamine

Concen: 3.83 ng

RT: 7.12 min Scan# 475

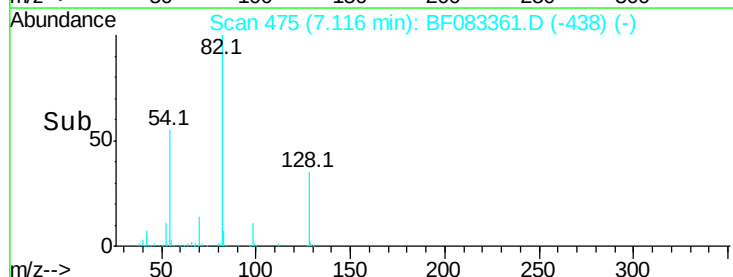
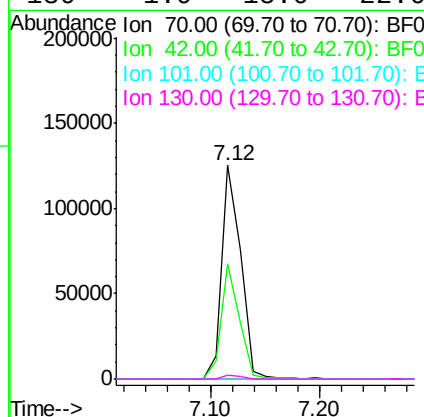
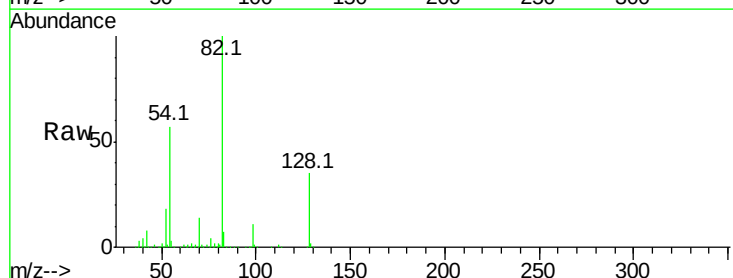
Delta R.T. 0.13 min

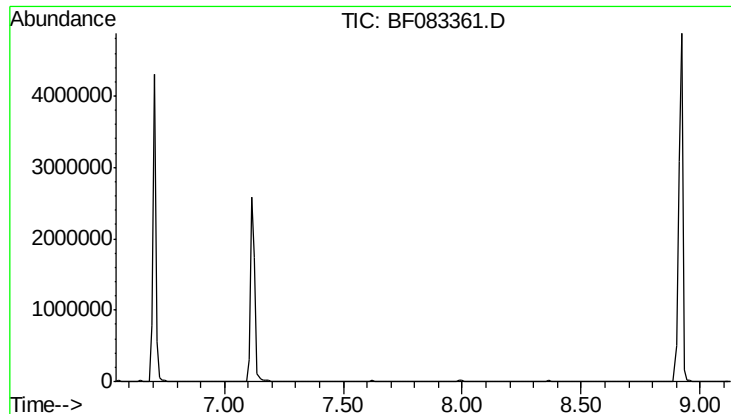
Lab File: BF083361.D

Acq: 1 Dec 2015 4:45

Tgt Ion: 70 Resp: 153780

Ion	Ratio	Lower	Upper
70	100		
42	53.9	48.8	73.2
101	0.0	7.1	10.7#
130	1.9	15.0	22.6#



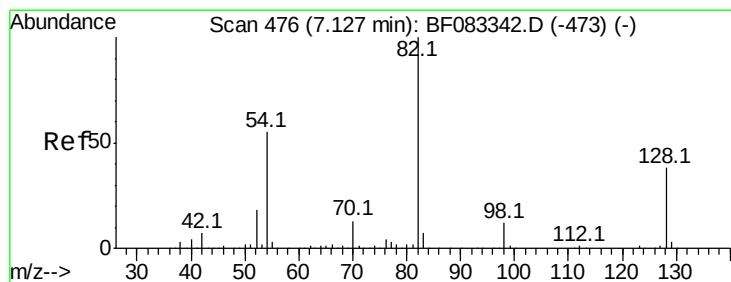
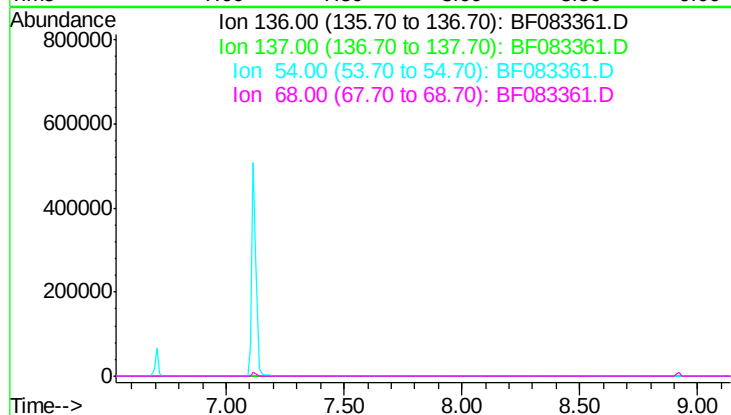


#21
Naphthalene-d8
Concen: 0.00 ng
Expected RT: 7.84 min

Lab File: BF083361.D
Acq: 1 Dec 2015 4:45

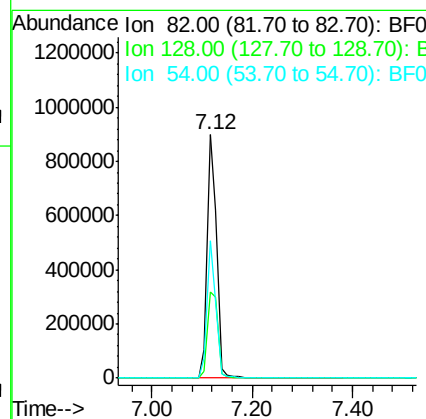
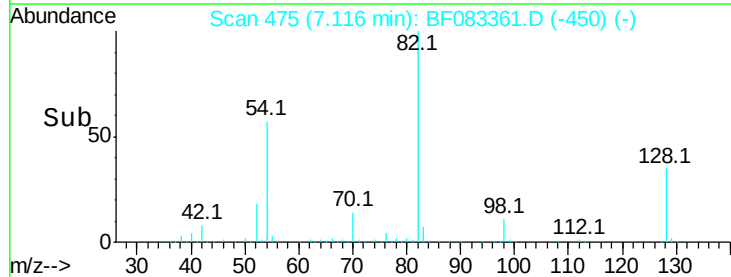
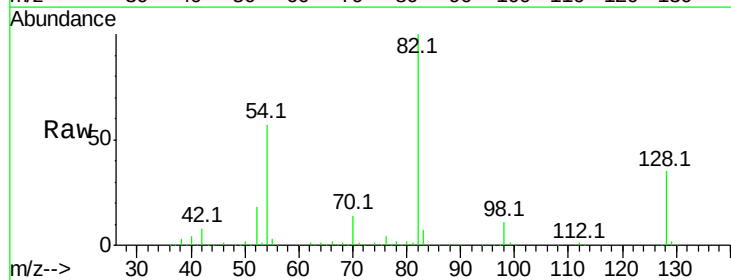
Instrument :
BNA_F
ClientSampleId :
DRUM-32-77-COMPOSITE

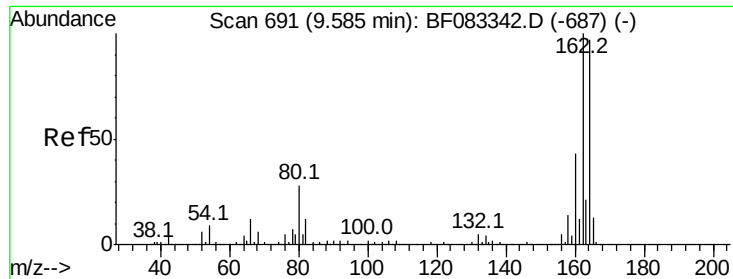
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.2
54 12.6
68 8.9



#23
Nitrobenzene-d5
Concen: 0.00 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083361.D
Acq: 1 Dec 2015 4:45

Tgt Ion: 82 Resp: 1171468
Ion Ratio Lower Upper
82 100
128 35.4 30.6 46.0
54 56.5 43.8 65.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.26 min

Lab File: BF083361.D

Acq: 1 Dec 2015 4:45

Instrument :

BNA_F

ClientSampleId :

DRUM-32-77-COMPOSITE

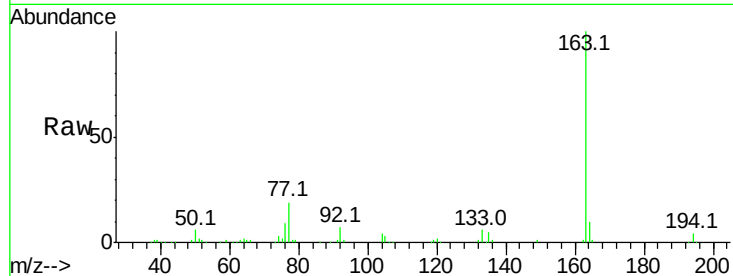
Tot Ion:164 Resp: 25929

Ion Ratio Lower Upper

164 100

162 6.6 82.6 123.8#

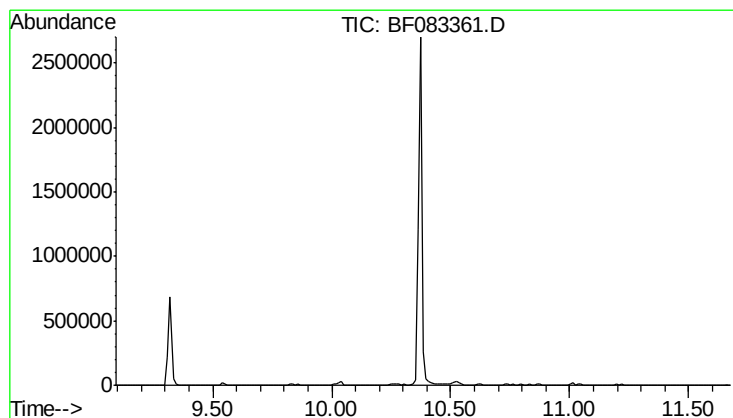
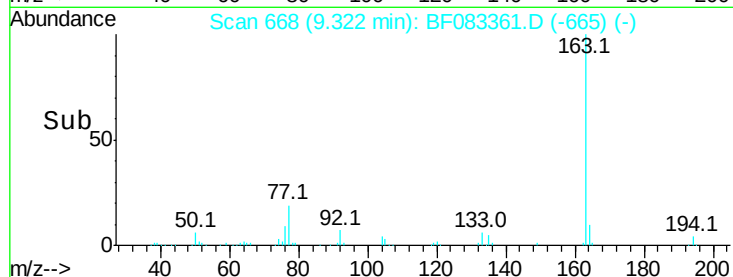
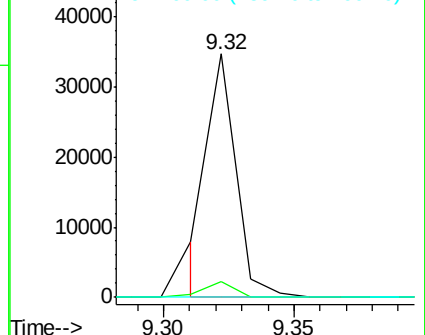
160 0.0 35.3 52.9#



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: 0.00 ng

Expected RT: 10.38 min

Lab File: BF083361.D

Acq: 1 Dec 2015 4:45

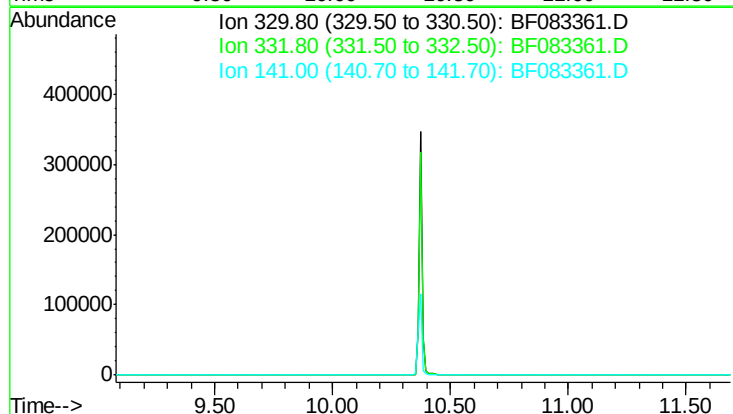
Tgt Ion: 330

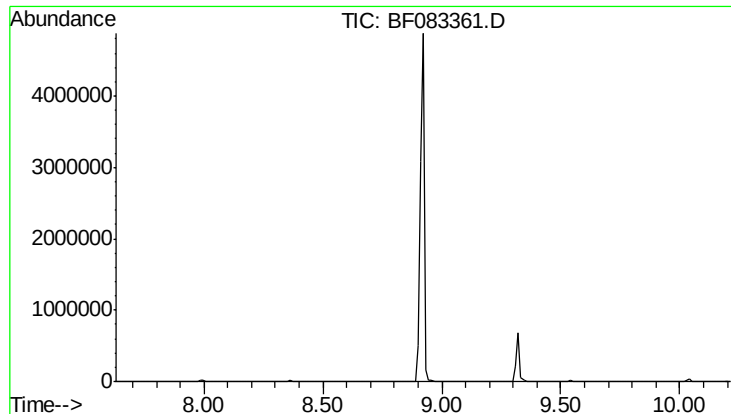
Sig Exp Ratio

330 100

332 97.2

141 36.7

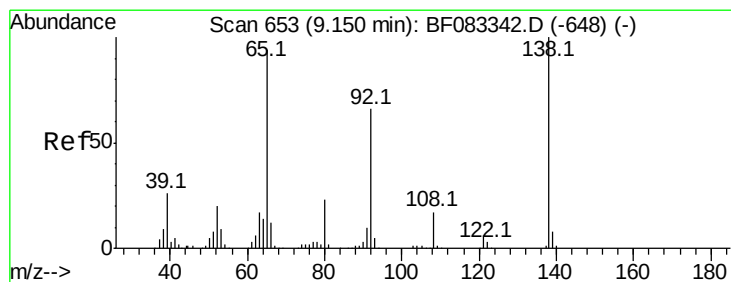
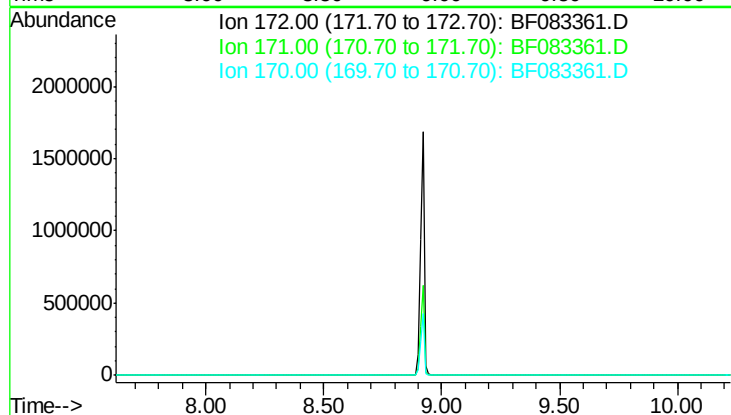




#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 8.92 min
 Lab File: BF083361.D
 Acq: 1 Dec 2015 4:45

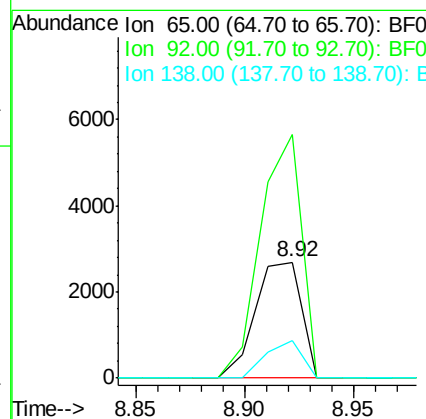
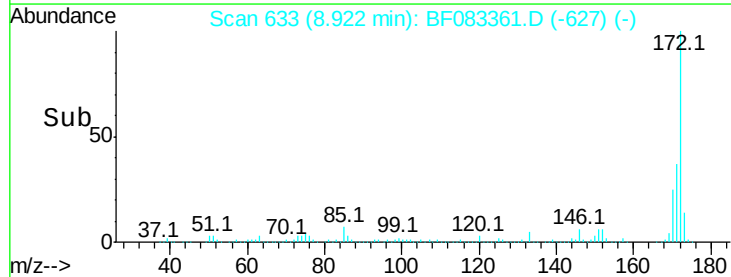
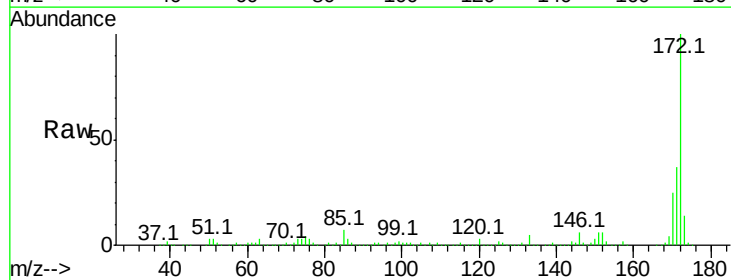
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-32-77-COMPOSITE

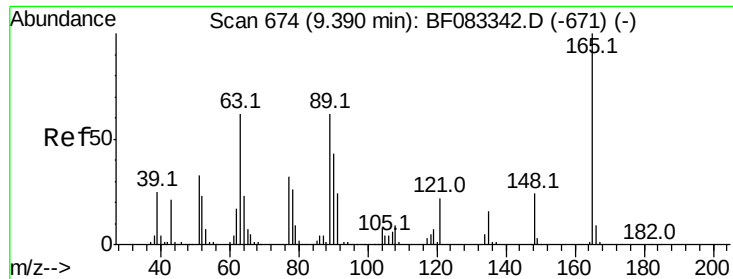
Tot Ion: 172
 Sig Exp Ratio
 172 100
 171 36.7
 170 25.5



#47
 2-Nitroaniline
 Concen: 5.81 ng
 RT: 8.92 min Scan# 633
 Delta R.T. -0.23 min
 Lab File: BF083361.D
 Acq: 1 Dec 2015 4:45

Tgt Ion: 65 Resp: 3987
 Ion Ratio Lower Upper
 65 100
 92 210.1 56.2 84.4#
 138 32.5 85.4 128.0#

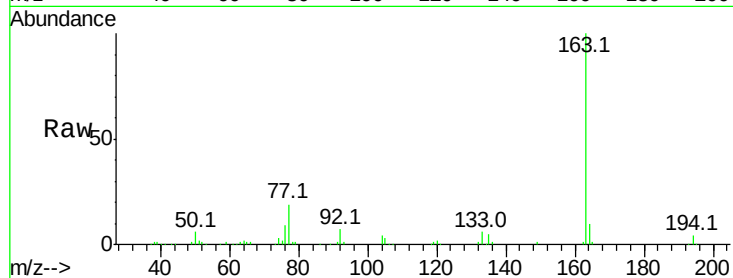




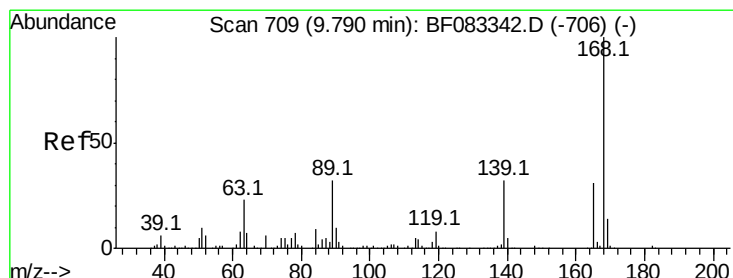
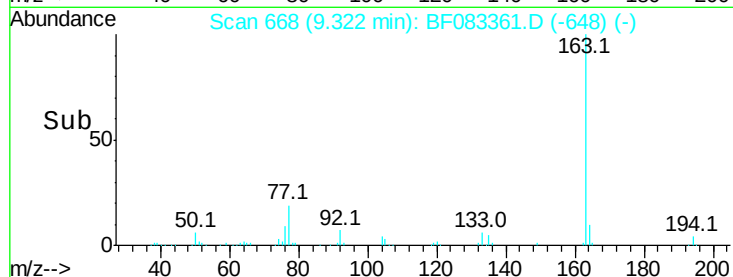
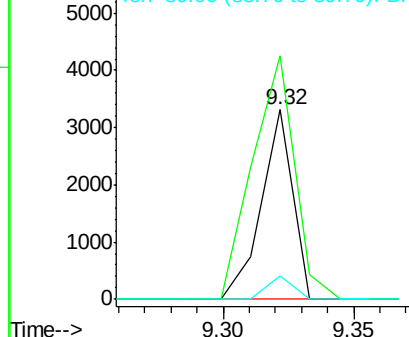
#50
2,6-Dinitrotoluene
Concen: 6.18 ng
RT: 9.32 min Scan# 668
Delta R.T. -0.07 min
Lab File: BF083361.D
Acq: 1 Dec 2015 4:45

Instrument :
BNA_F
ClientSampleId :
DRUM-32-77-COMPOSITE

Tot Ion:165 Resp: 2780
Ion Ratio Lower Upper
165 100
63 128.6 56.0 84.0#
89 12.2 49.8 74.8#

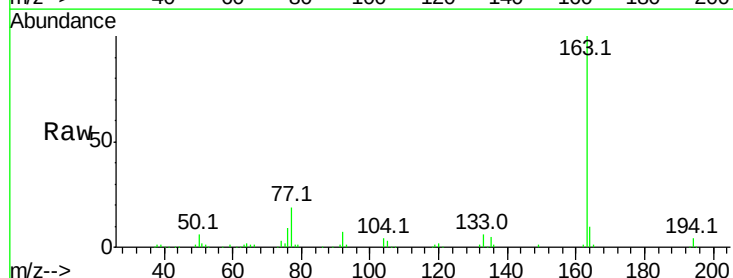


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

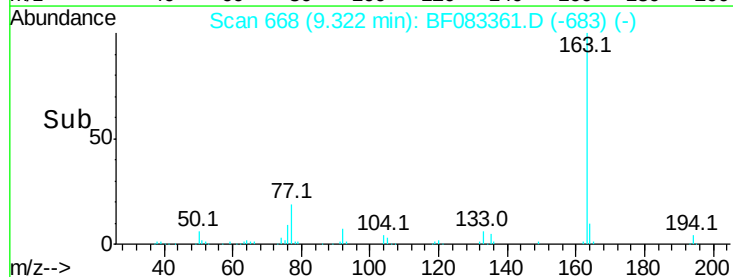
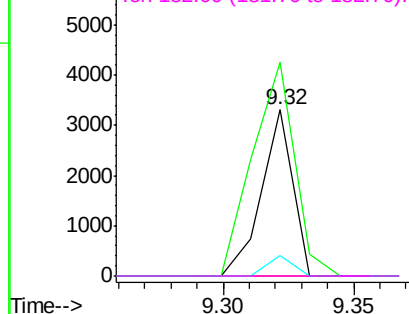


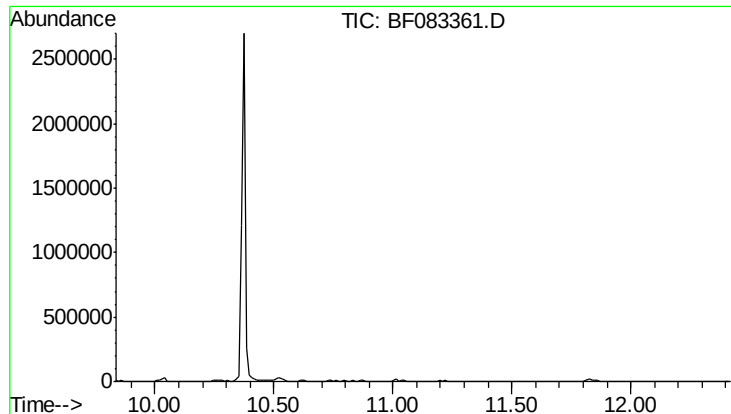
#56
2,4-Dinitrotoluene
Concen: 4.87 ng
RT: 9.32 min Scan# 668
Delta R.T. -0.47 min
Lab File: BF083361.D
Acq: 1 Dec 2015 4:45

Tgt Ion:165 Resp: 2780
Ion Ratio Lower Upper
165 100
63 128.6 65.4 98.0#
89 12.2 81.2 121.8#
182 0.0 1.8 2.8#



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

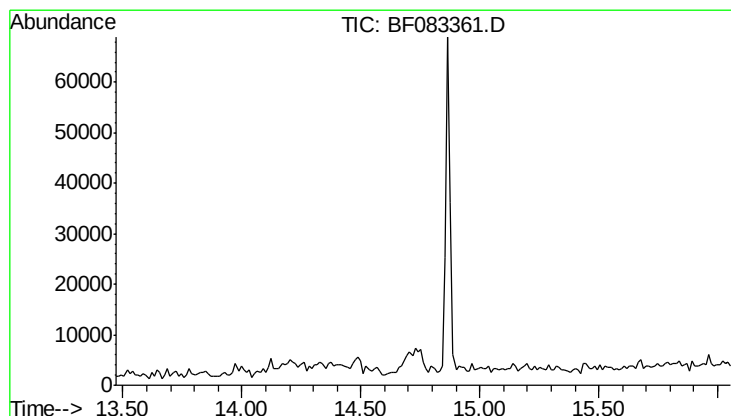
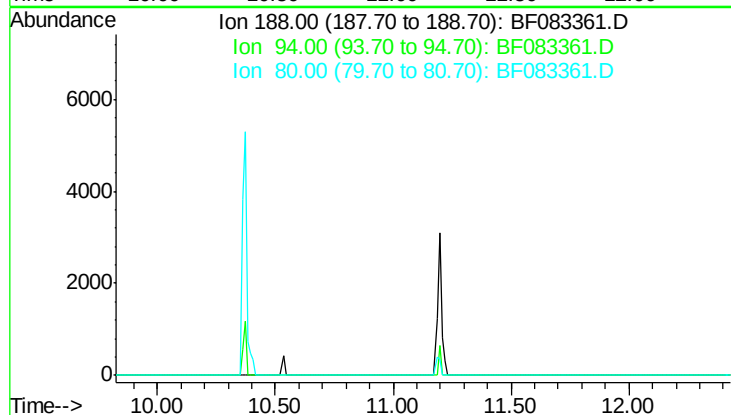




#63
 Phenanthrene-d10
 Concen: 0.00 ng
 Expected RT: 11.13 min
 Lab File: BF083361.D
 Acq: 1 Dec 2015 4:45

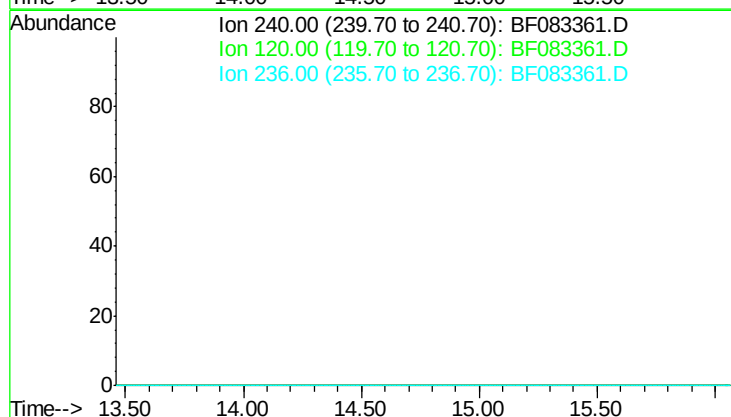
Instrument :
 BNA_F
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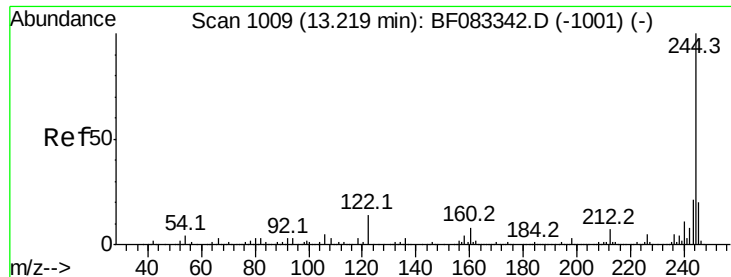
Tot Ion	188
Sig	Exp Ratio
188	100
94	10.9
80	12.9



#75
 Chrysene-d12
 Concen: 0.00 ng
 Expected RT: 14.76 min
 Lab File: BF083361.D
 Acq: 1 Dec 2015 4:45

Tgt Ion	240
Sig	Exp Ratio
240	100
120	8.6
236	24.7





#78

Terphenyl-d14

Concen: 0.00 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF083361.D

Acq: 1 Dec 2015 4:45

Instrument :

BNA_F

ClientSampleId :

DRUM-32-77-COMPOSITE

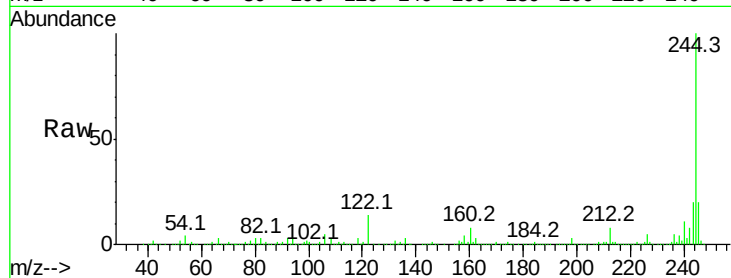
Tot Ion:244 Resp: 1964152

Ion Ratio Lower Upper

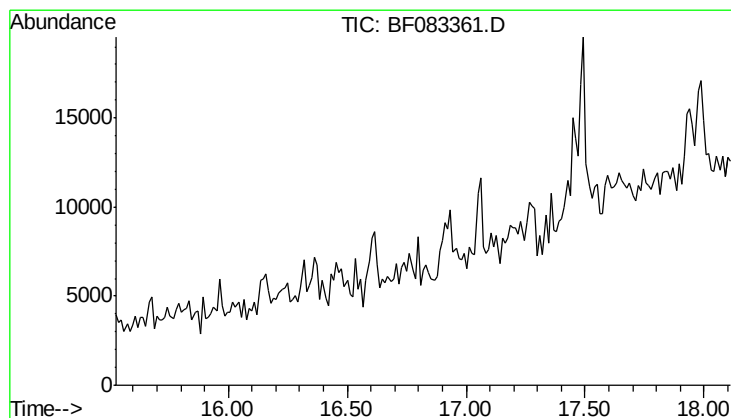
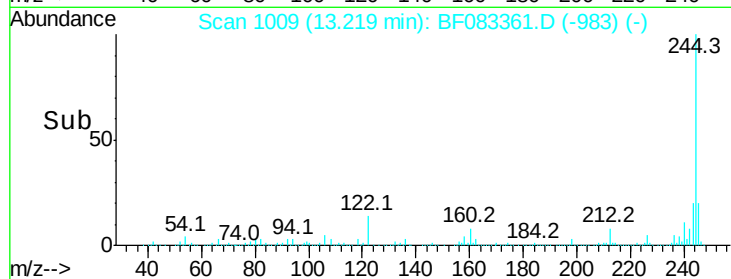
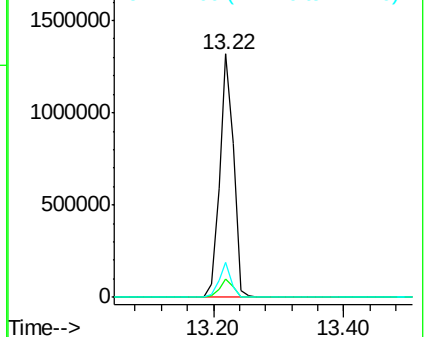
244 100

212 7.7 5.8 8.8

122 14.4 11.0 16.4



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: 0.00 ng

Expected RT: 16.82 min

Lab File: BF083361.D

Acq: 1 Dec 2015 4:45

Tgt Ion: 264

Sig Exp Ratio

264 100

260 23.7

265 21.0

