

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
 Data File : BF083960.D
 Acq On : 19 Dec 2015 17:52
 Operator : UM/SJ
 Sample : G4885-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTMIX1

Manual Integrations
 APPROVED

apatel
 12/22/2015 12:00:35 PM

Quant Time: Dec 21 05:01:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	71458	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	308797	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	150292	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	253474	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	209632	20.00	ng	-0.02
86) Perylene-d12	15.44	264	152720	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	86066	18.85	ng	0.00
7) Phenol-d6	6.60	99	11284	2.02	ng	0.09
23) Nitrobenzene-d5	7.42	82	420774	77.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	132929	80.29	ng	-0.03
44) 2-Fluorobiphenyl	9.22	172	880544	81.78	ng	-0.02
78) Terphenyl-d14	12.96	244	706364	78.28	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	2.45	88	5241	2.65	ng	# 67
3) Pyridine	3.17	79	142414	29.08	ng	99
6) Aniline	6.66	93	15134346	2102.57	ng	# 87
8) 2-Chlorophenol	6.70	128	117867	21.69	ng	82
12) 1,3-Dichlorobenzene	6.82	146	57037m	9.76	ng	
13) 1,4-Dichlorobenzene	6.90	146	763249	127.92	ng	94
14) 1,2-Dichlorobenzene	7.05	146	888566	197.64	ng	97
31) Naphthalene	8.12	128	281969	16.74	ng	# 78
33) 4-Chloroaniline	8.19	127	46600	6.65	ng	97
49) Dimethylphthalate	9.61	163	67660	5.37	ng	# 91

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

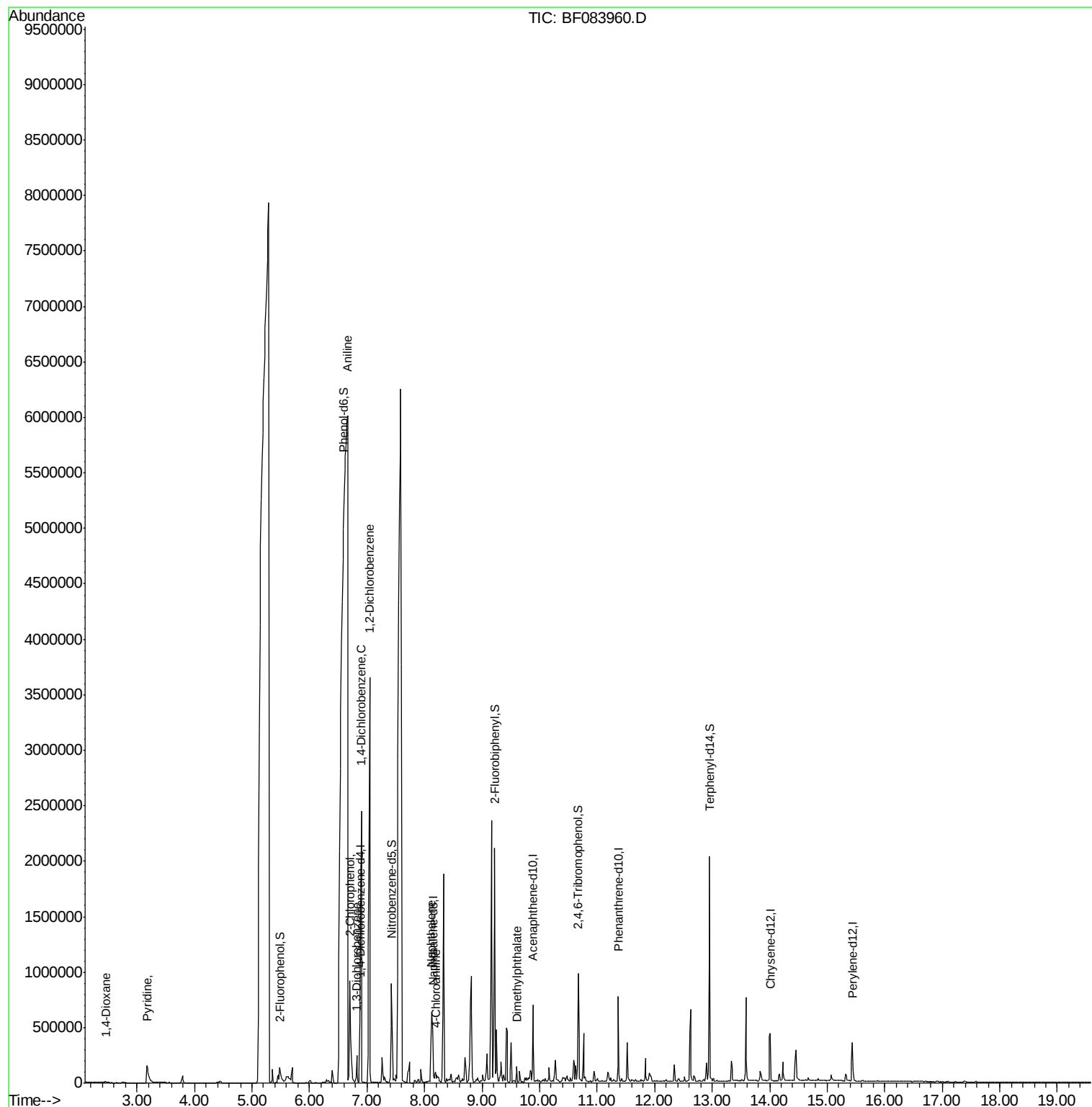
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083960.D
Acq On : 19 Dec 2015 17:52
Operator : UM/SJ
Sample : G4885-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

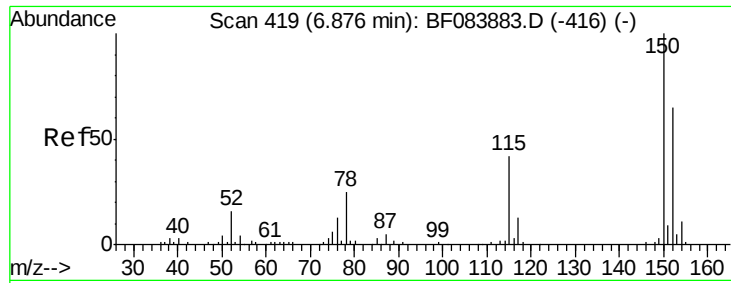
Instrument :
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POSTMIX1

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Quant Time: Dec 21 05:01:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
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#1

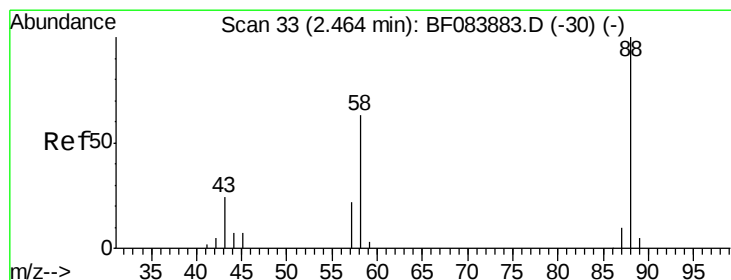
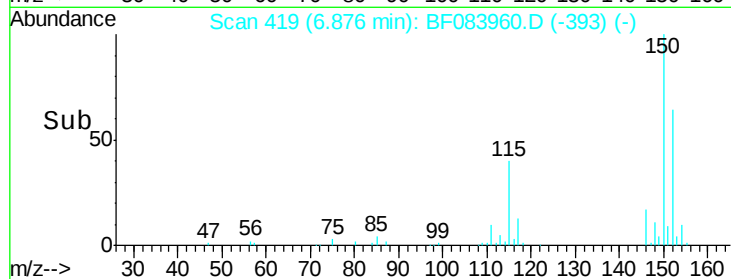
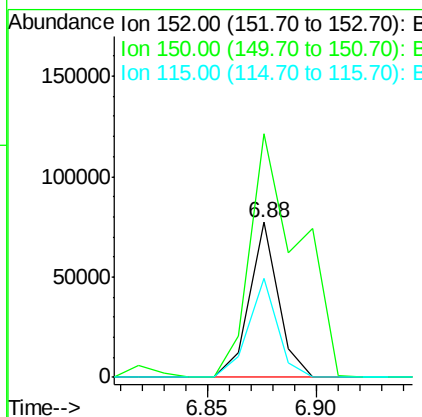
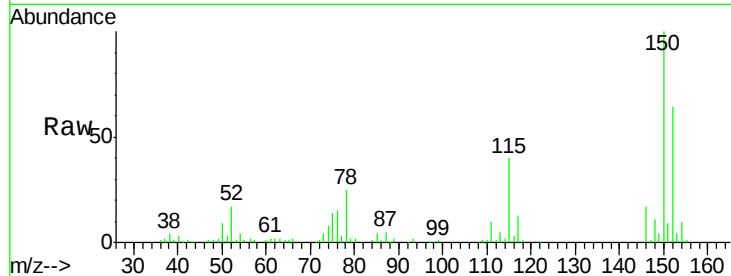
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF083960.D
Acq: 19 Dec 2015 17:52

Instrument :
BNA_F
ClientSampleId :
POSTMIX1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.0	184.4
115	63.7	51.4	77.2

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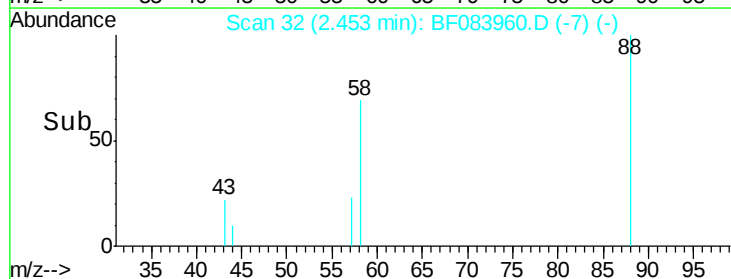
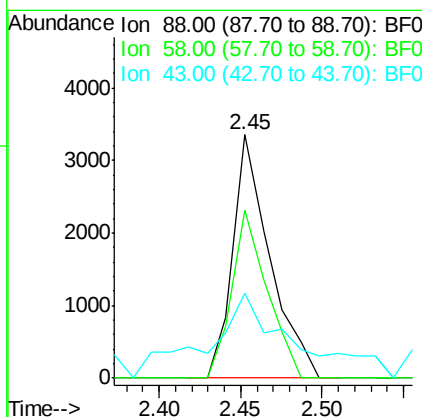
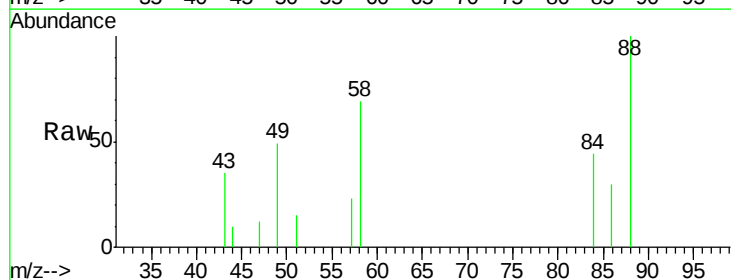
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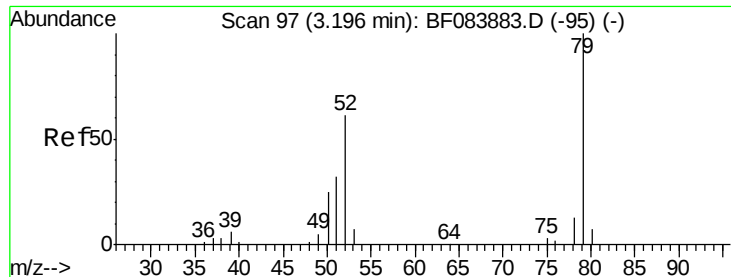


#2

1,4-Dioxane
Concen: 2.65 ng
RT: 2.45 min Scan# 32
Delta R.T. -0.01 min
Lab File: BF083960.D
Acq: 19 Dec 2015 17:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.7	51.2	76.8
43	81.5	19.5	29.3





#3

Pvridine

Concen: 29.08 ng

RT: 3.17 min Scan# 95

Delta R.T. -0.02 min

Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

Instrument :

BNA_F

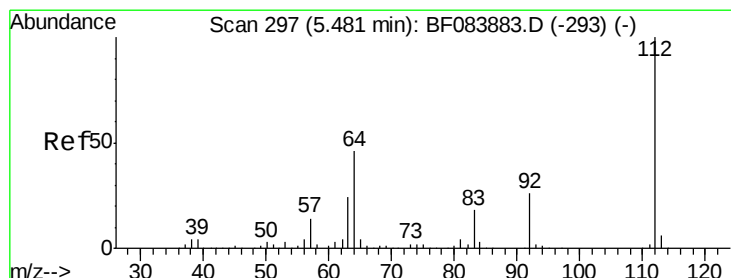
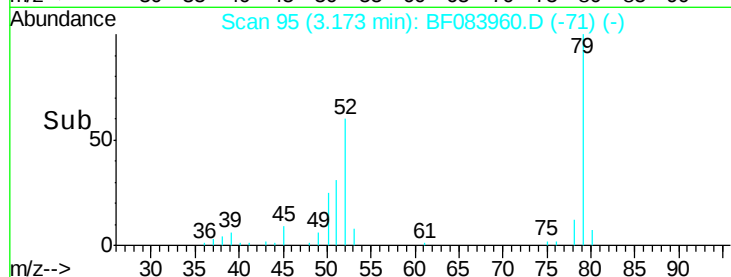
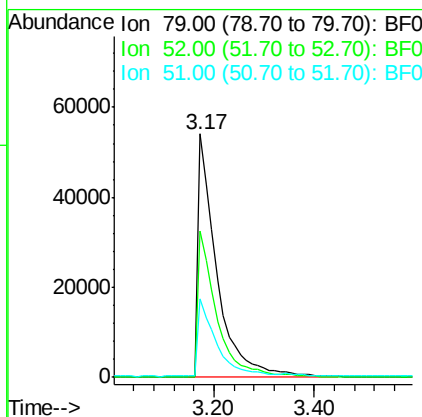
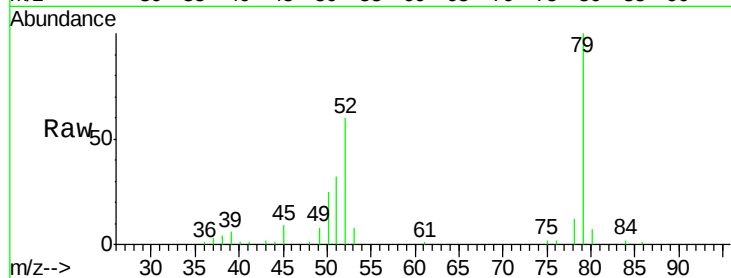
ClientSampleId :

POSTMIX1

Tot Ion:	79	Resp:	142414
Ion	Ratio	Lower	Upper
79	100		
52	60.3	49.0	73.4
51	32.2	25.2	37.8

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#5

2-Fluorophenol

Concen: 18.85 ng

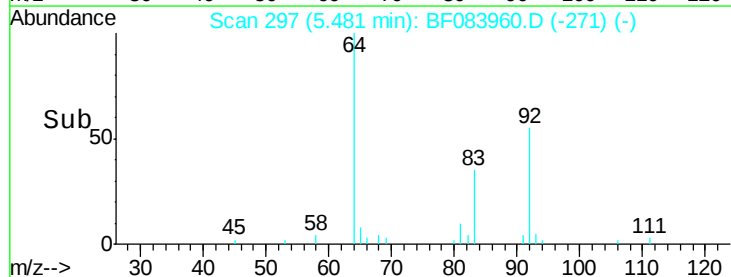
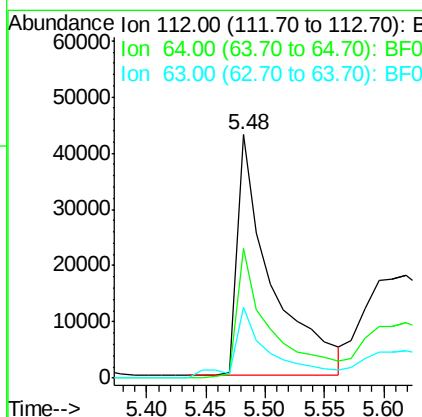
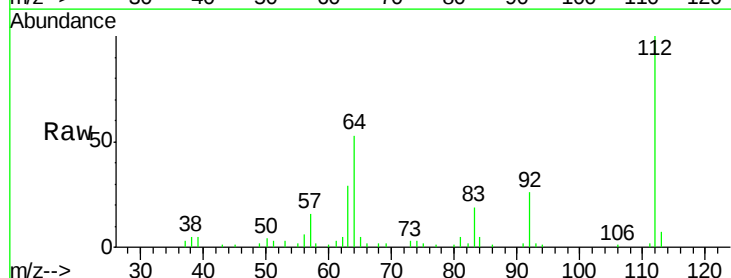
RT: 5.48 min Scan# 297

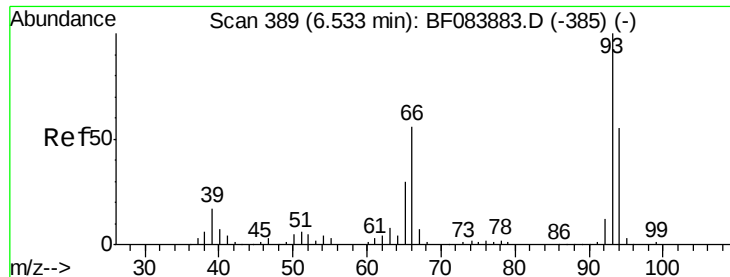
Delta R.T. -0.00 min

Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

Tgt Ion:	112	Resp:	86066
Ion	Ratio	Lower	Upper
112	100		
64	53.1	36.6	55.0
63	28.8	19.4	29.0





#6

Aniline

Concen: 2102.57 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.13 min

Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

Instrument :

BNA_F

ClientSampleId :

POSTMIX1

Tot Ion: 93 Resp: 15134346

Ion Ratio Lower Upper

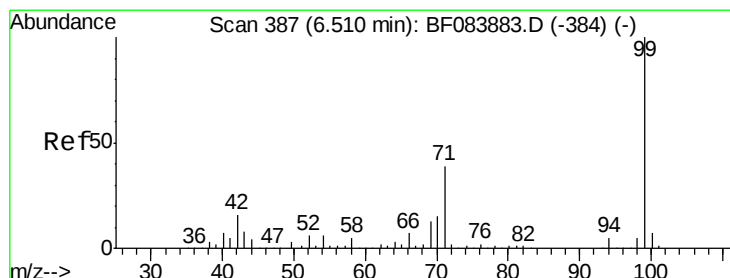
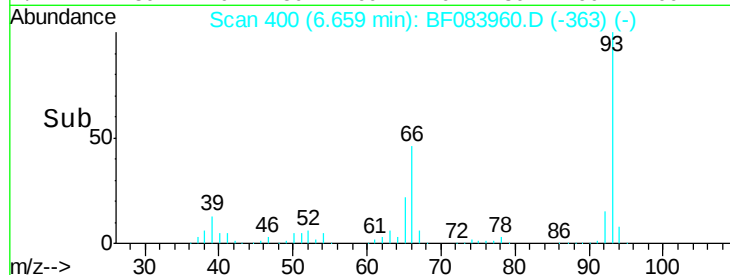
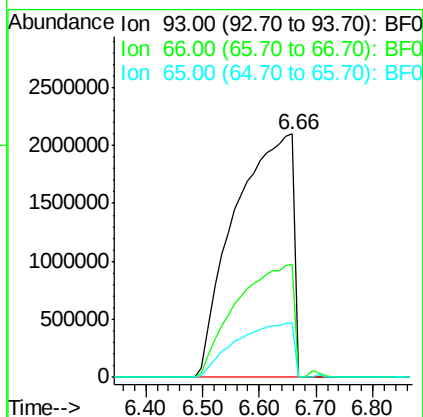
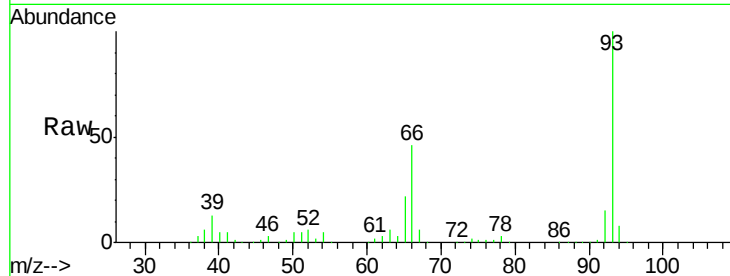
93 100

66 46.2 44.9 67.3

65 22.4 23.7 35.5#

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#7

Phenol-d6

Concen: 2.02 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.09 min

Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

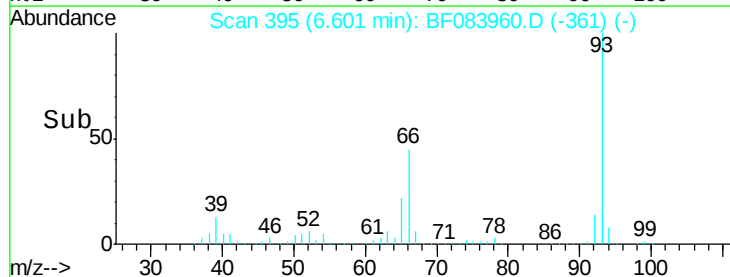
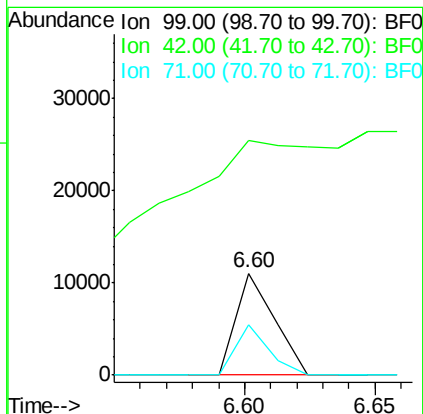
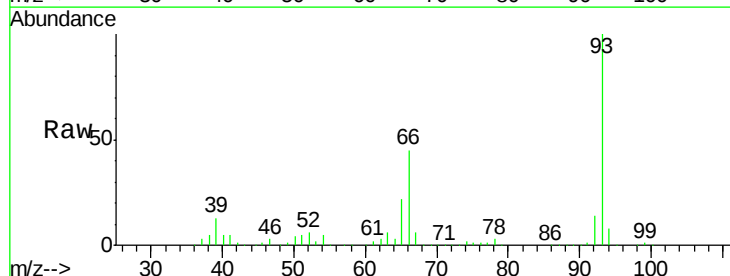
Tgt Ion: 99 Resp: 11284

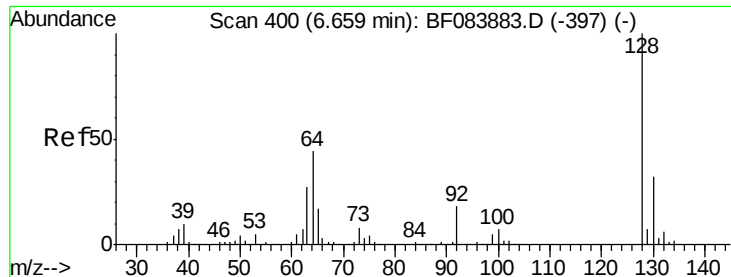
Ion Ratio Lower Upper

99 100

42 229.8 12.8 19.2#

71 48.8 30.9 46.3#





#8

2-Chlorophenol

Concen: 21.69 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.05 min

Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

Instrument :

BNA_F

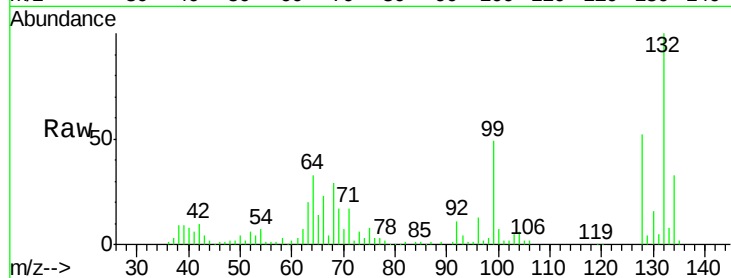
ClientSampleId :

POSTMIX1

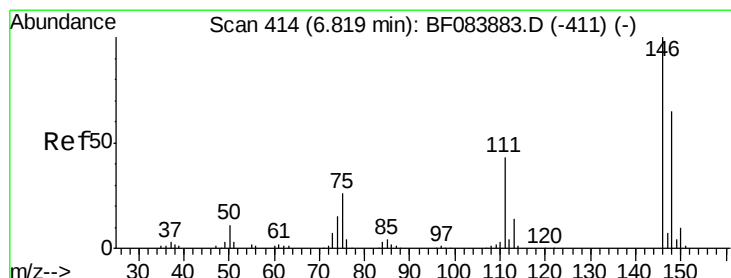
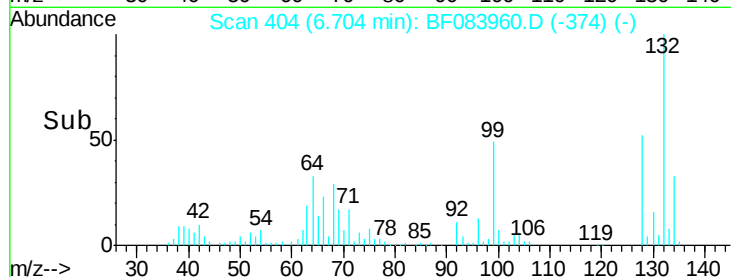
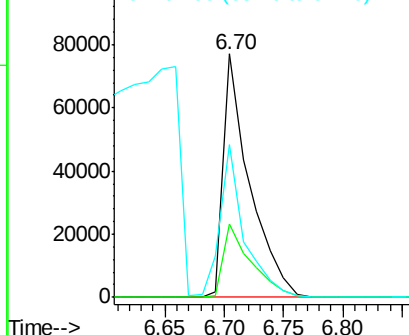
Tot Ion:	128	Resp:	117867
Ion Ratio	Lower	Upper	
128	100		
130	30.4	11.6	51.6
64	62.8	23.8	63.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0



#12

1,3-Dichlorobenzene

Concen: 9.76 ng m

RT: 6.82 min Scan# 414

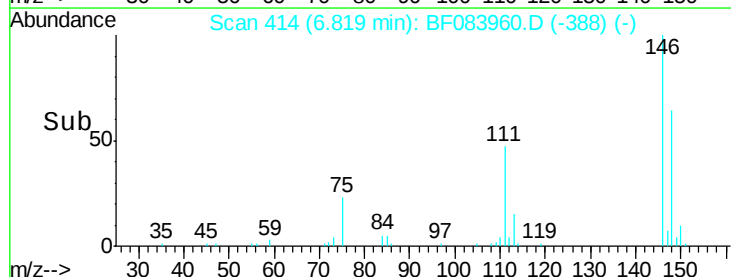
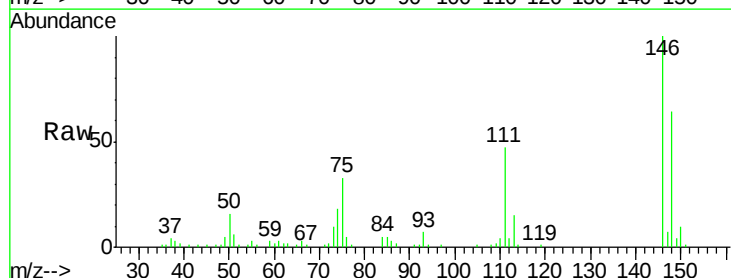
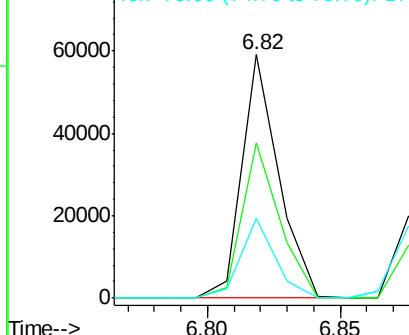
Delta R.T. -0.00 min

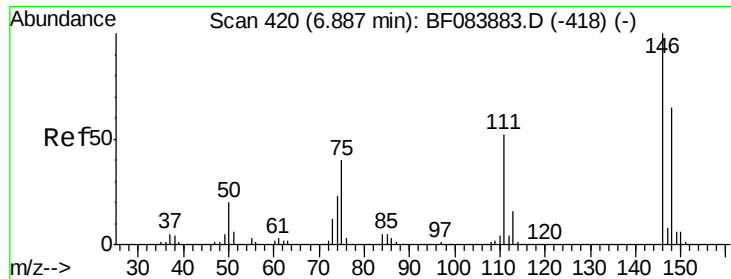
Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

Tgt Ion:	146	Resp:	57037
Ion Ratio	Lower	Upper	
146	100		
148	63.5	51.9	77.9
75	32.9	20.5	30.7#

Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 127.92 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.01 min

Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

Instrument :

BNA_F

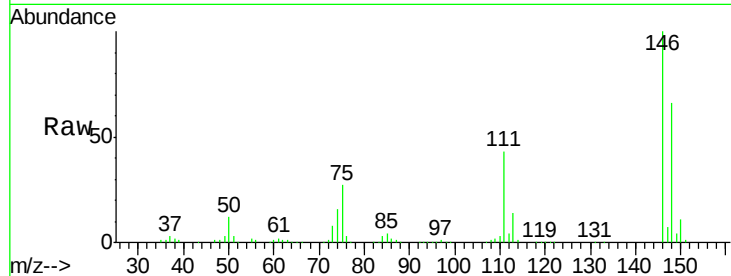
ClientSampleId :

POSTMIX1

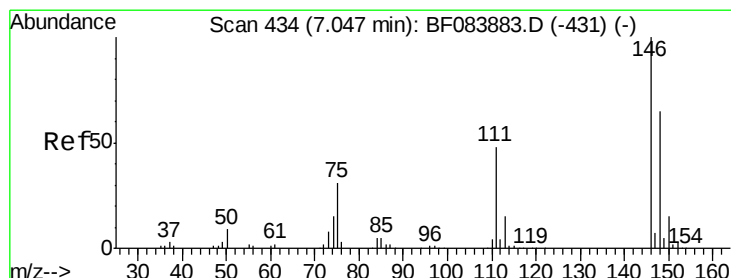
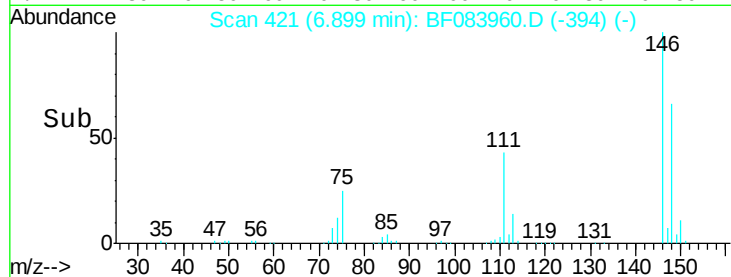
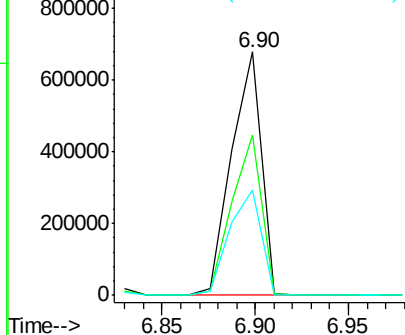
Tot Ion:	146	Resp:	763249
Ion Ratio	Lower	Upper	
146	100		
148	65.7	51.9	77.9
111	43.2	41.6	62.4

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 197.64 ng

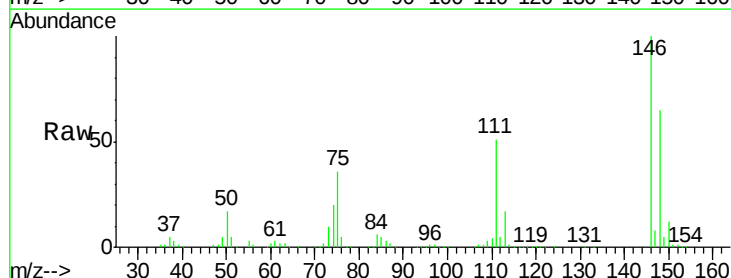
RT: 7.05 min Scan# 434

Delta R.T. 0.00 min

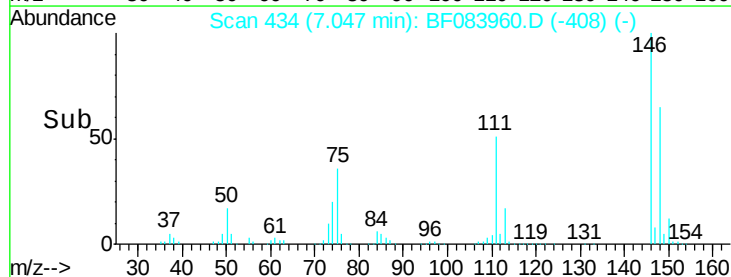
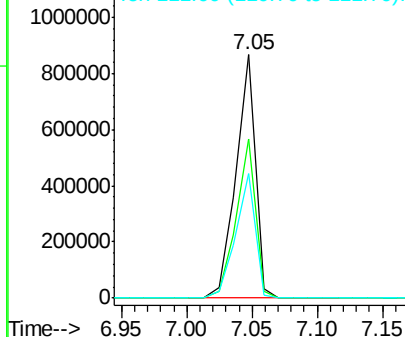
Lab File: BF083960.D

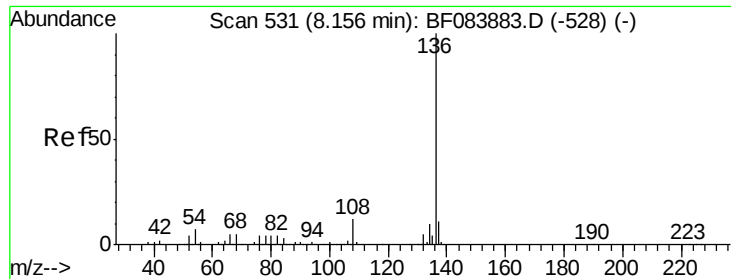
Acq: 19 Dec 2015 17:52

Tgt Ion:	146	Resp:	888566
Ion Ratio	Lower	Upper	
146	100		
148	65.4	51.6	77.4
111	51.1	38.0	57.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

Instrument :

BNA_F

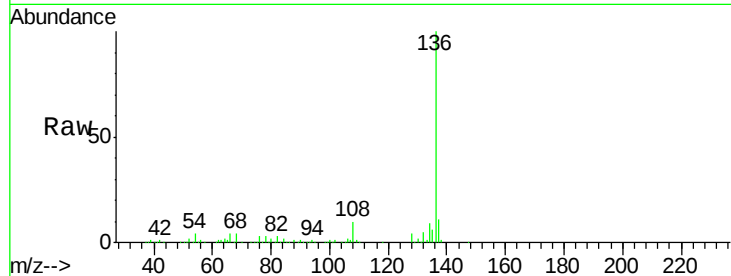
ClientSampleId :

POSTMIX1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	308797		
137	10.6	8.7	13.1	
54	4.1	5.8	8.8#	
68	3.7	4.2	6.2#	

Manual Integrations
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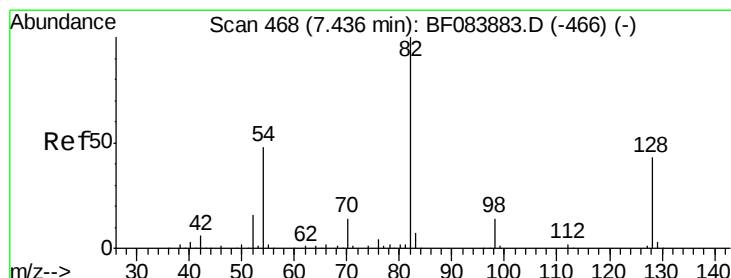
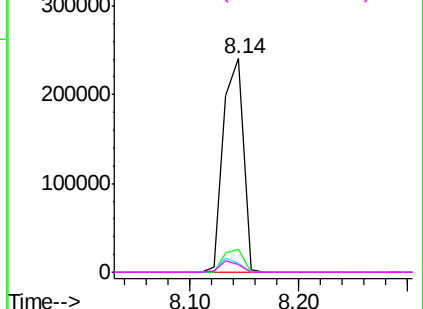
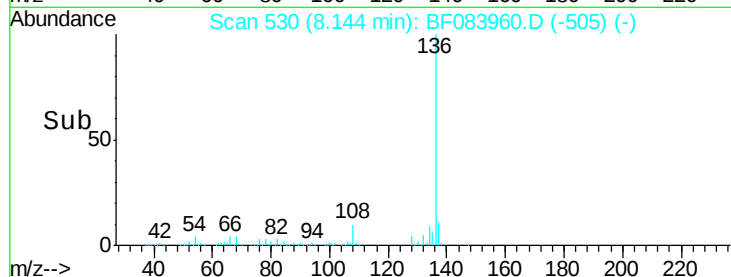


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.77 ng

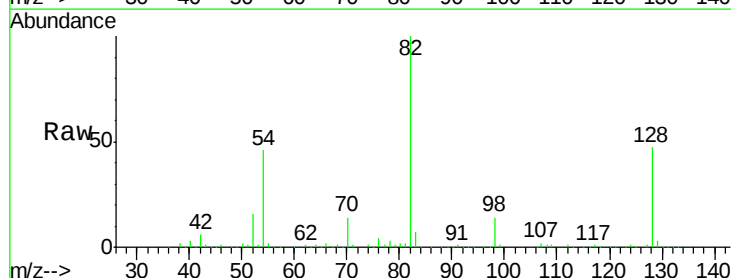
RT: 7.42 min Scan# 467

Delta R.T. -0.01 min

Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

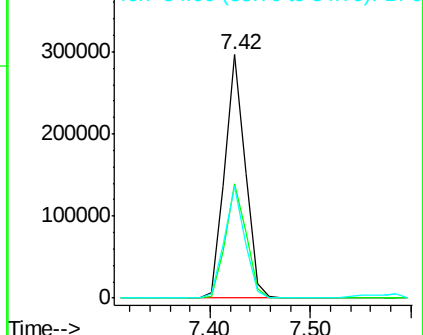
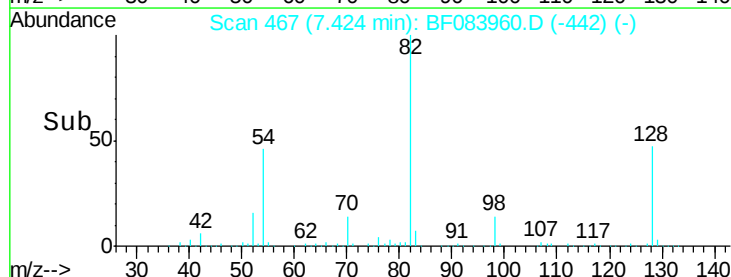
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	420774		
128	47.0	34.6	51.8	
54	45.9	38.4	57.6	

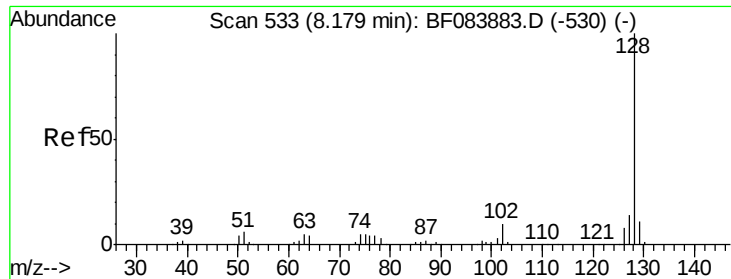


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





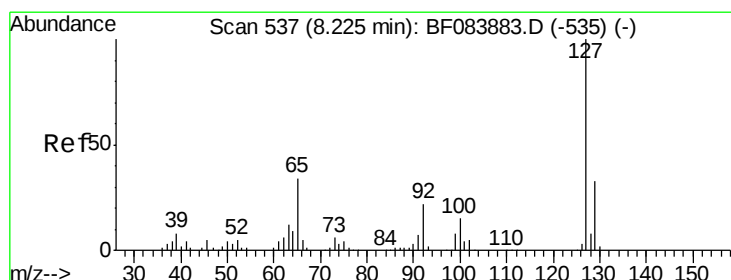
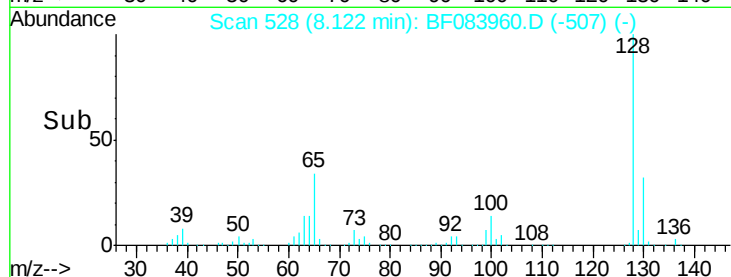
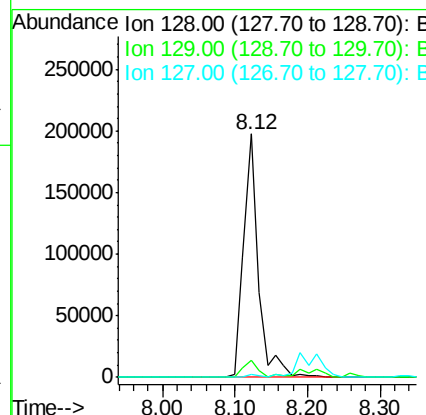
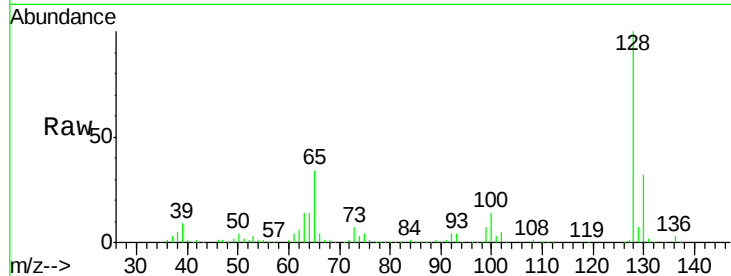
#31
Naphthalene
Concen: 16.74 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.06 min
Lab File: BF083960.D
Acq: 19 Dec 2015 17:52

Instrument :
BNA_F
ClientSampleId :
POSTMIX1

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	7.0	9.1	13.7#
127	1.4	11.1	16.7#

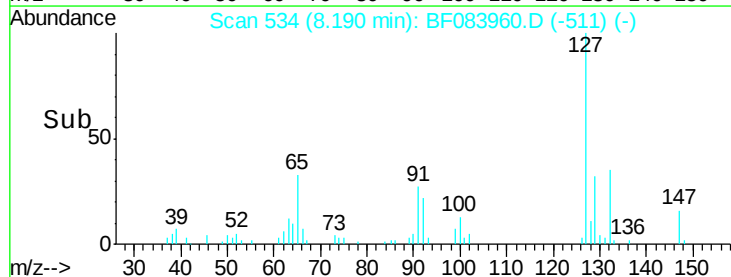
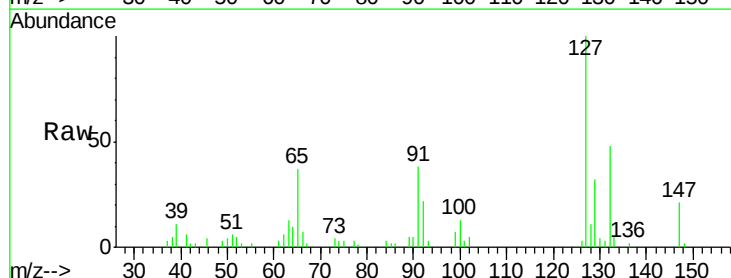
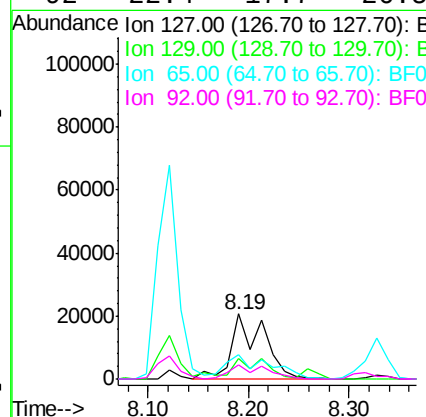
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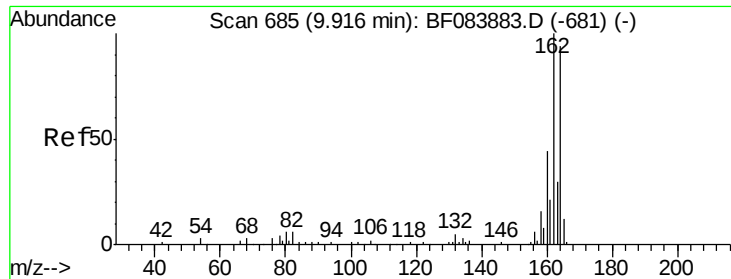
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#33
4-Chloroaniline
Concen: 6.65 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.03 min
Lab File: BF083960.D
Acq: 19 Dec 2015 17:52

Tgt Ion	Ratio	Resp Lower	Upper
127	100		
129	31.9	26.5	39.7
65	37.4	27.2	40.8
92	22.4	17.7	26.5





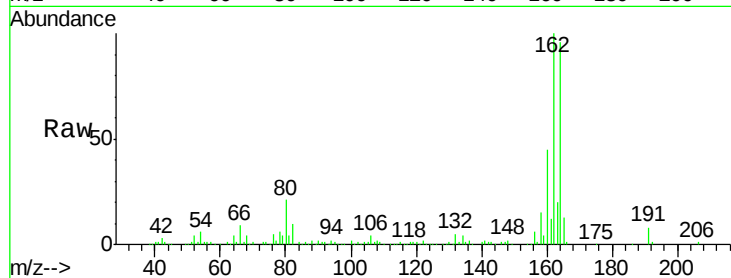
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.03 min
Lab File: BF083960.D
Acq: 19 Dec 2015 17:52

Instrument :
BNA_F
ClientSampleId :
POSTMIX1

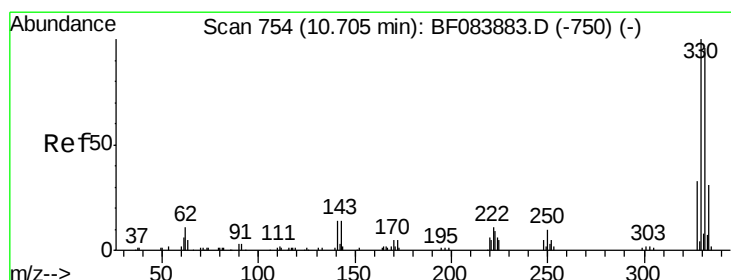
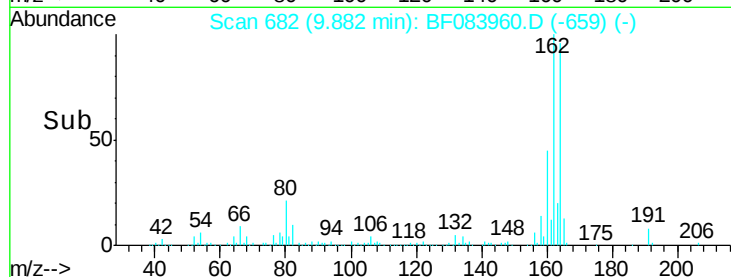
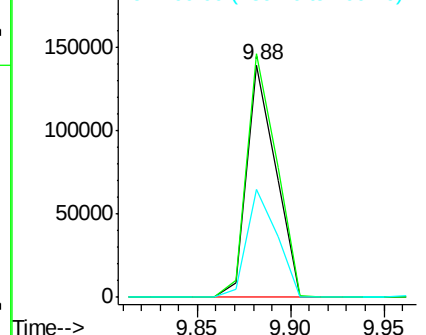
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.7	85.1	127.7	
160	46.6	37.5	56.3	

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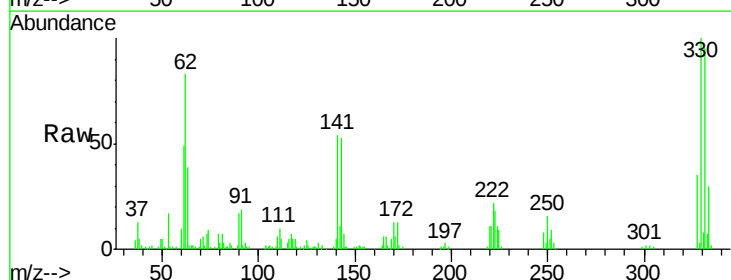


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

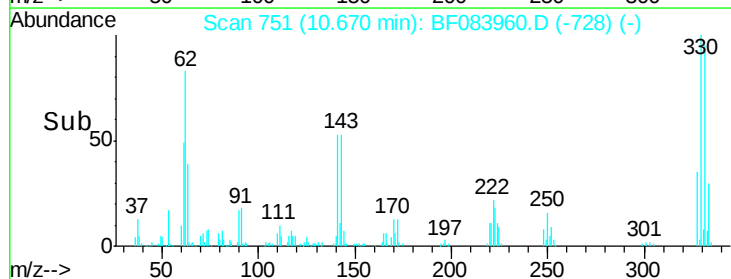
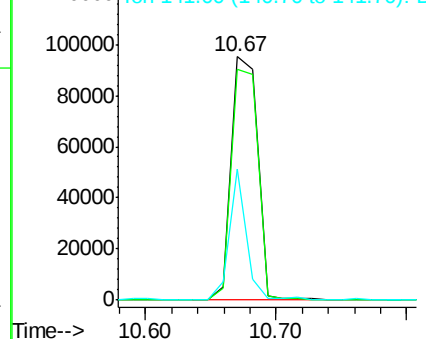


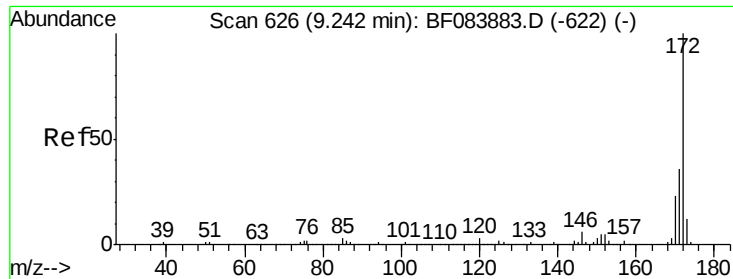
#41
2,4,6-Tribromophenol
Concen: 80.29 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.03 min
Lab File: BF083960.D
Acq: 19 Dec 2015 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.6	114.8	
141	35.5	27.8	41.6	



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





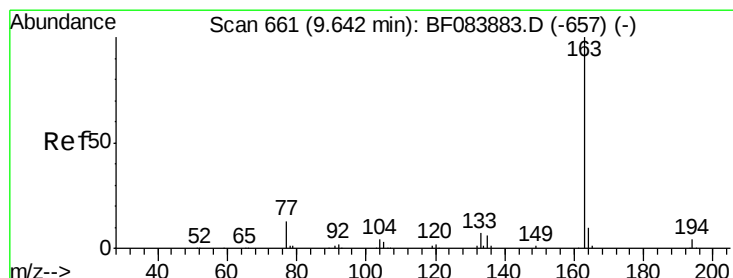
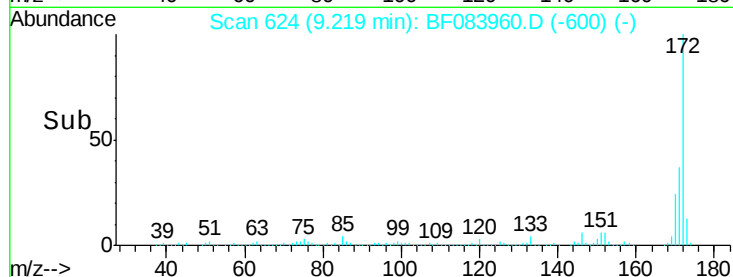
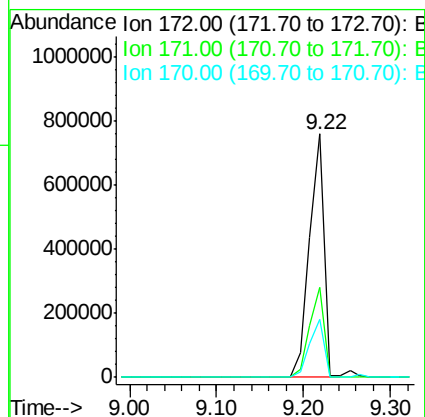
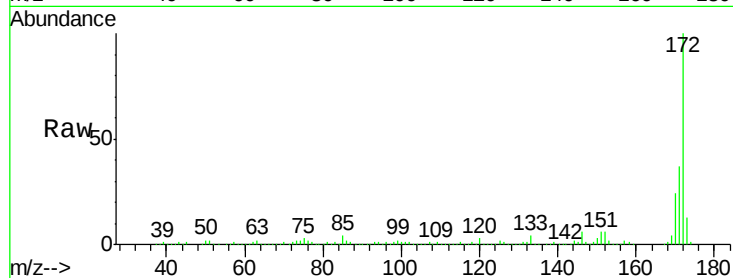
#44
2-Fluorobiphenyl
Concen: 81.78 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.02 min
Lab File: BF083960.D
Acq: 19 Dec 2015 17:52

Instrument :
BNA_F
ClientSampleId :
POSTMIX1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.9	43.3
170	23.9	18.6	27.8

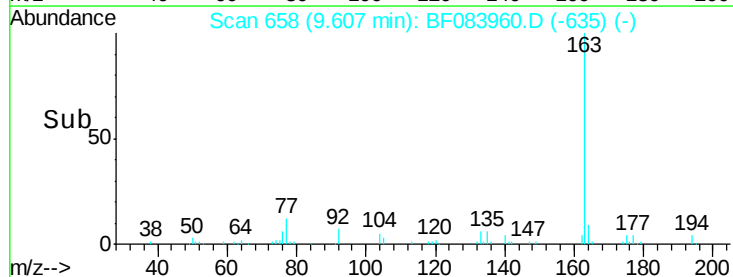
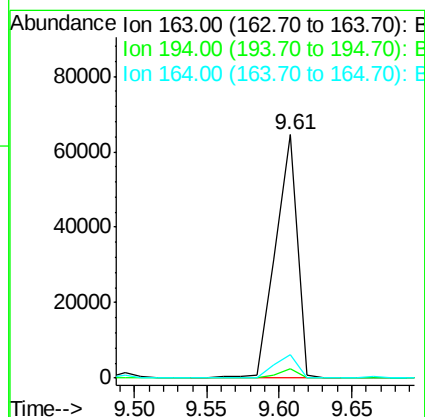
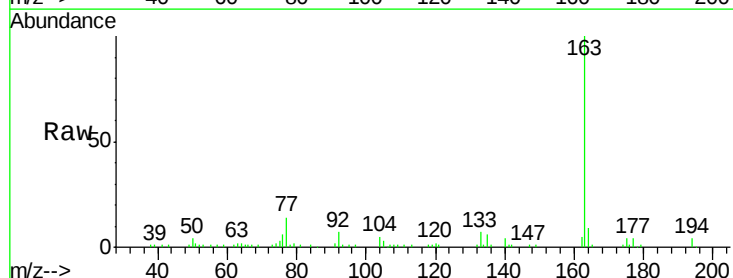
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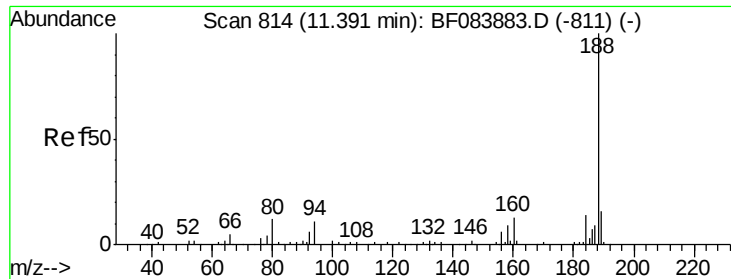
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#49
Dimethylphthalate
Concen: 5.37 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF083960.D
Acq: 19 Dec 2015 17:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	8.0	12.0#
164	9.4	8.0	12.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF083960.D

Acq: 19 Dec 2015 17:52

Instrument :

BNA_F

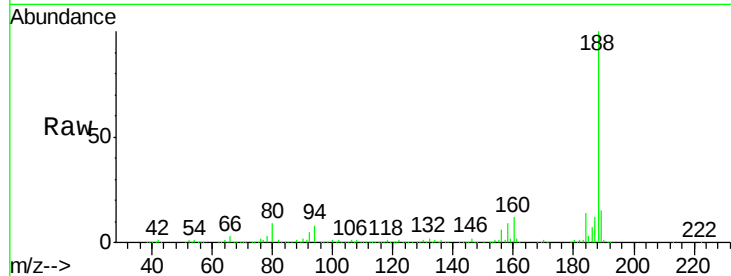
ClientSampleId :

POSTMIX1

Tot Ion:	188	Resp:	253474
Ion Ratio	Lower	Upper	
188	100		
94	8.1	9.0	13.4#
80	8.6	9.6	14.4#

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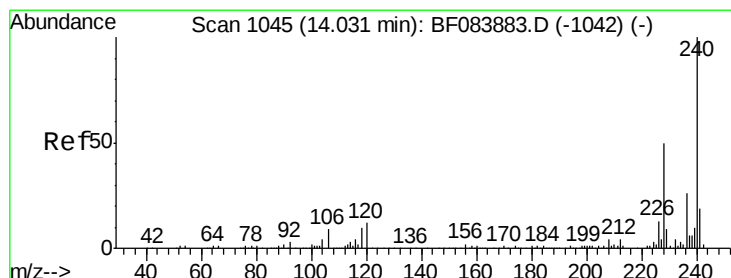
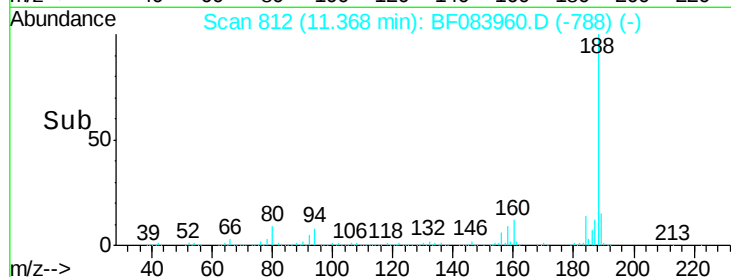
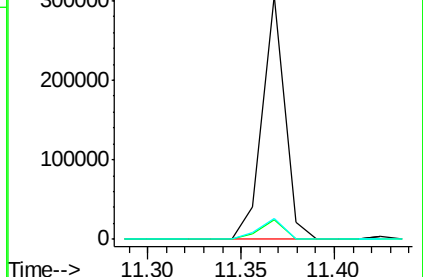
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF083960.D

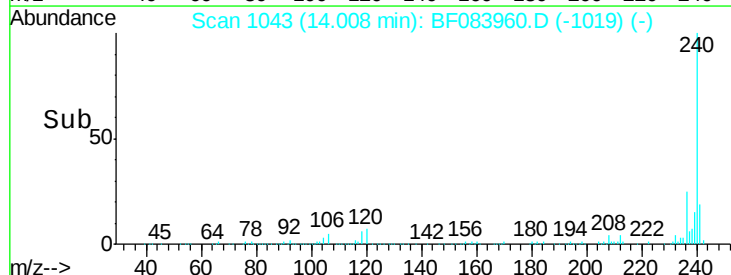
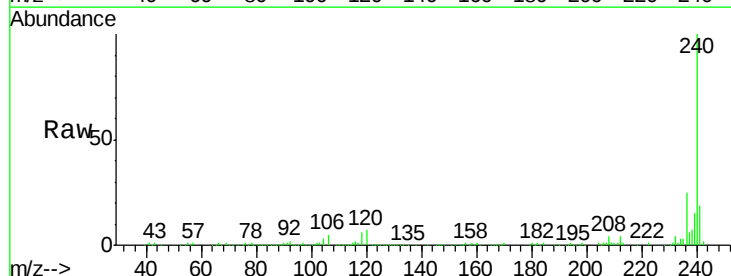
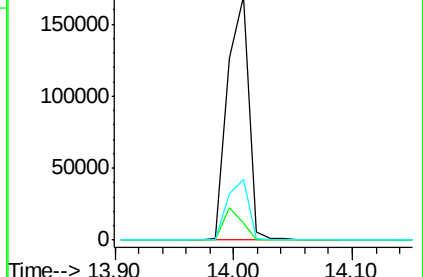
Acq: 19 Dec 2015 17:52

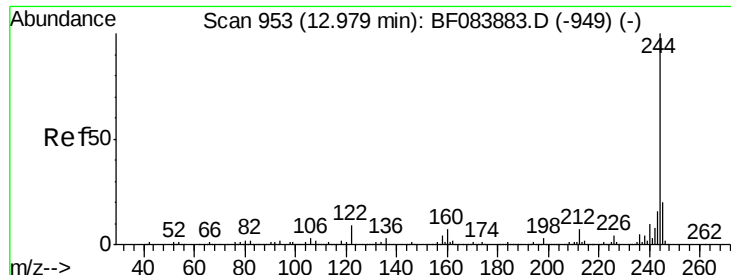
Tgt Ion:	240	Resp:	209632
Ion Ratio	Lower	Upper	
240	100		
120	6.8	9.5	14.3#
236	25.1	20.6	31.0

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





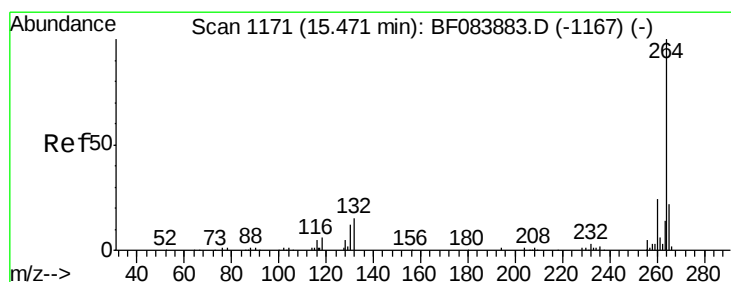
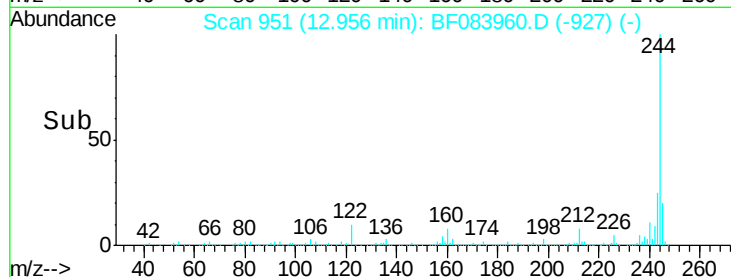
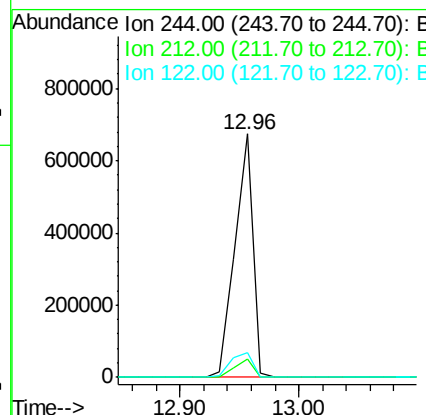
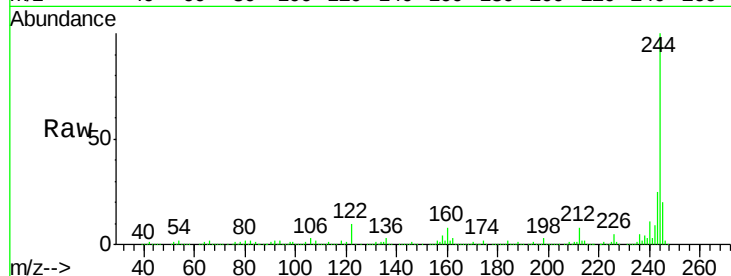
#78
 Terphenyl-d14
 Concen: 78.28 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF083960.D
 Acq: 19 Dec 2015 17:52

Instrument :
 BNA_F
 ClientSampleId :
 POSTMIX1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	10.3	7.4	11.0

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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF083960.D
 Acq: 19 Dec 2015 17:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.4	17.8	26.6

