

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
 Data File : BF079216.D
 Acq On : 14 May 2015 1:59
 Operator : TP/IZ
 Sample : G2140-02RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9795RE

Manual Integrations
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Quant Time: May 14 16:15:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 15:23:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.24	152	52541	20.00	ng	0.01
21) Naphthalene-d8	8.84	136	121895	20.00	ng	0.03
38) Acenaphthene-d10	10.98	164	131473	20.00	ng	0.00
63) Phenanthrene-d10	12.83	188	225544	20.00	ng	0.00
75) Chrysene-d12	16.11	240	242254	20.00	ng	-0.01
86) Perylene-d12	17.83	264	249928	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	48611	15.93	ng	0.00
7) Phenol-d6	6.80	99	91092	22.58	ng	0.00
23) Nitrobenzene-d5	7.98	82	54624	25.75	ng	0.05
41) 2,4,6-Tribromophenol	11.96	330	16661	11.71	ng	0.00
44) 2-Fluorobiphenyl	10.16	172	81561	8.64	ng	0.00
78) Terphenyl-d14	14.82	244	92840	9.18	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	9.71	142	60363	15.00	ng	Qvalue 97
45) 1,1'-Biphenyl	10.28	154	25674	2.46	ng	94
73) Di-n-butylphthalate	13.58	149	30211	2.14	ng	# 98

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

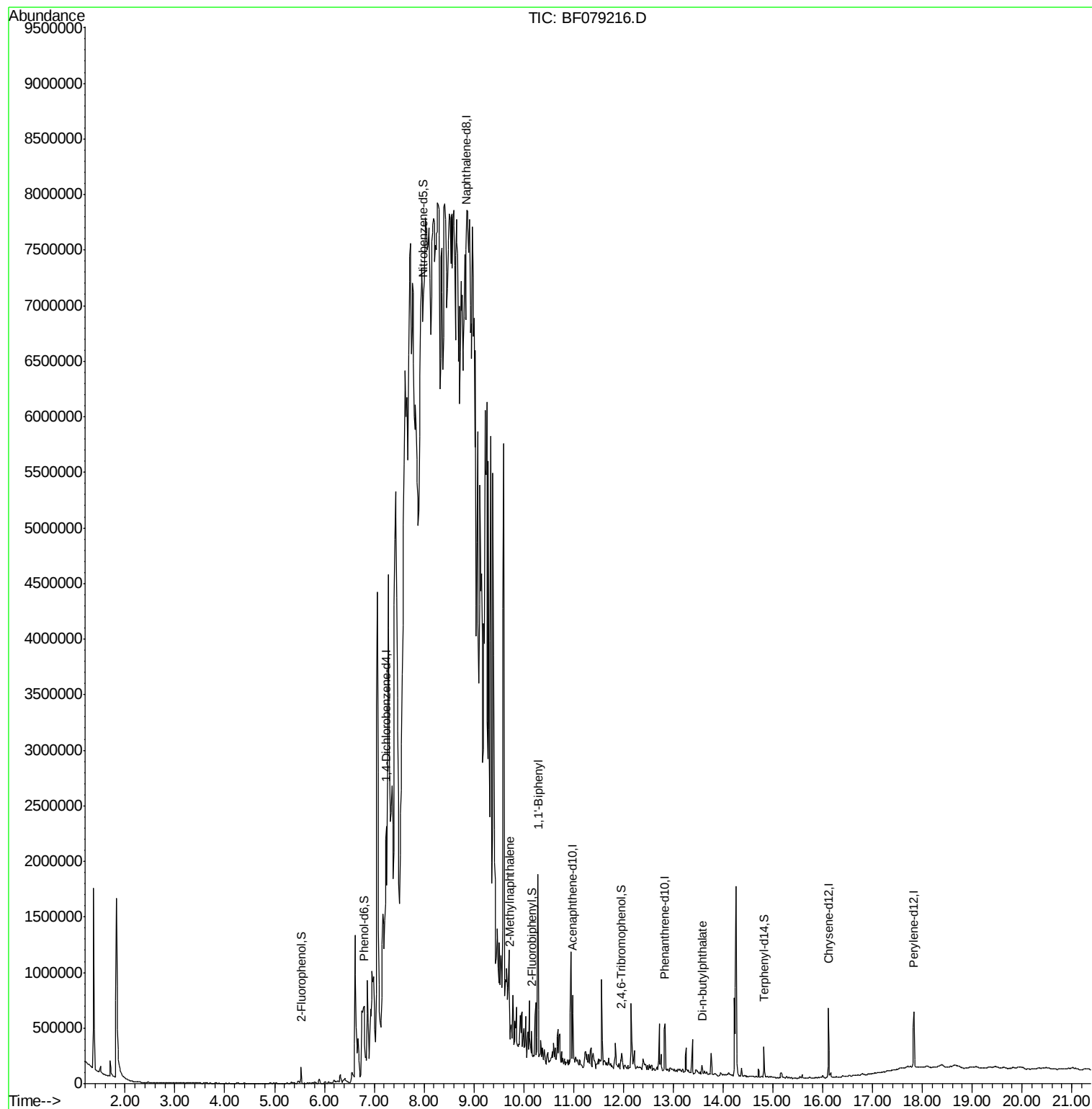
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079216.D
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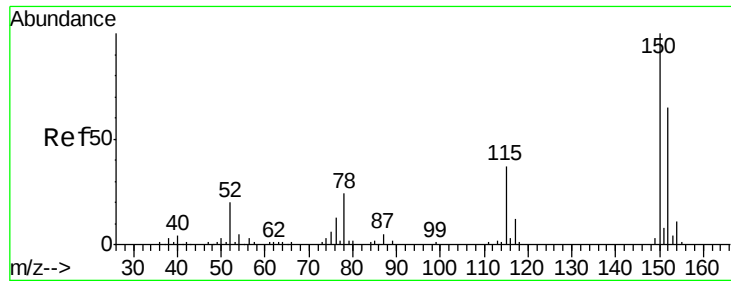
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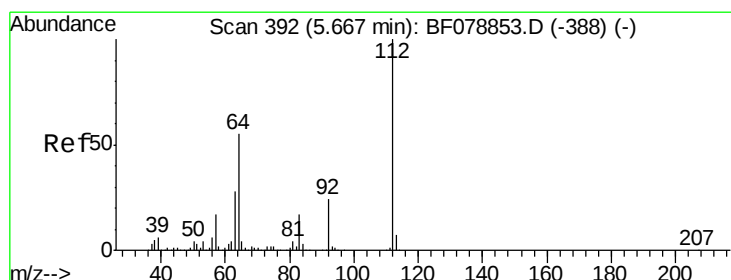
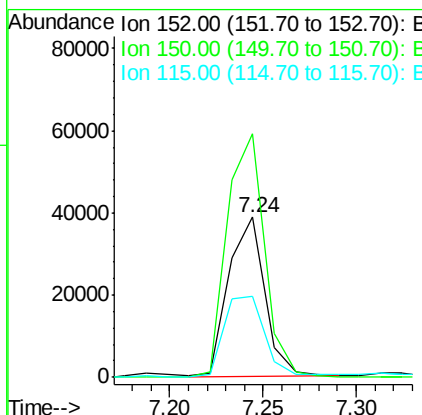
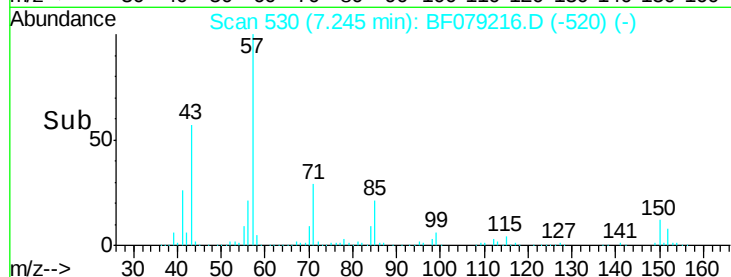
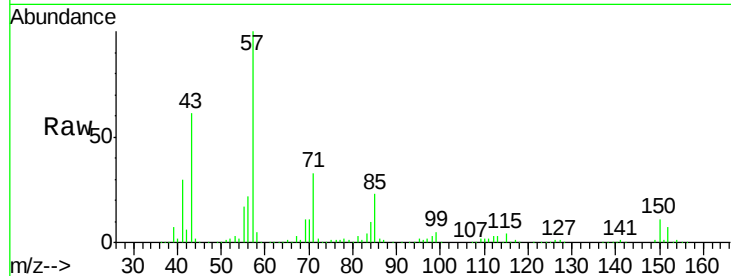
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.24 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: BF079216.D
 Acq: 14 May 2015 1:59

Instrument :
 BNA_F
 ClientSampleId :
 LAR9795RE

Tot Ion:	152	Resp:	52541
Ion Ratio	Lower	Upper	
152	100		
150	152.2	122.0	183.0
115	50.8	46.3	69.5

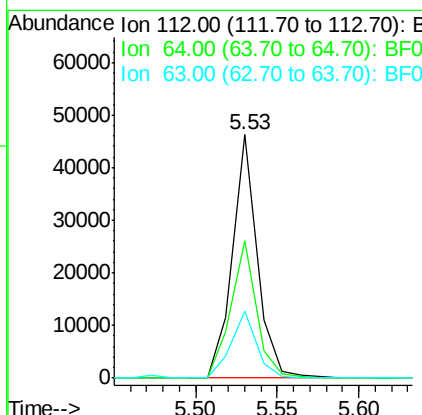
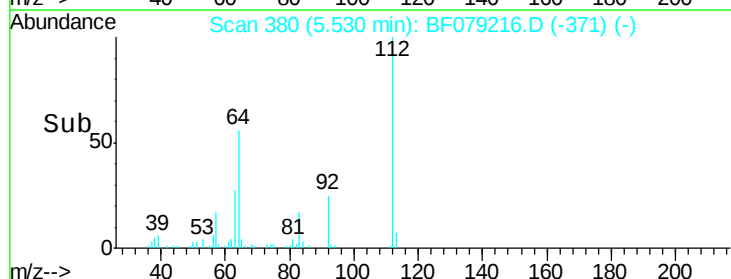
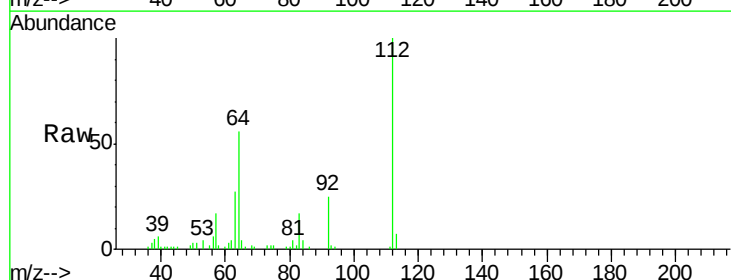
Manual Integrations
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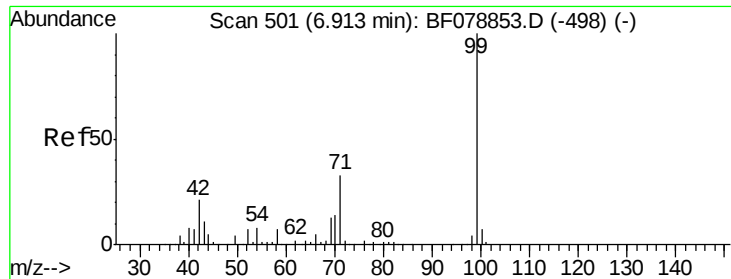
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#5
 2-Fluorophenol
 Concen: 15.93 ng
 RT: 5.53 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: BF079216.D
 Acq: 14 May 2015 1:59

Tgt Ion:	112	Resp:	48611
Ion Ratio	Lower	Upper	
112	100		
64	56.4	53.5	80.3
63	27.5	27.5	41.3#





#7

Phenol-d6

Concen: 22.58 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

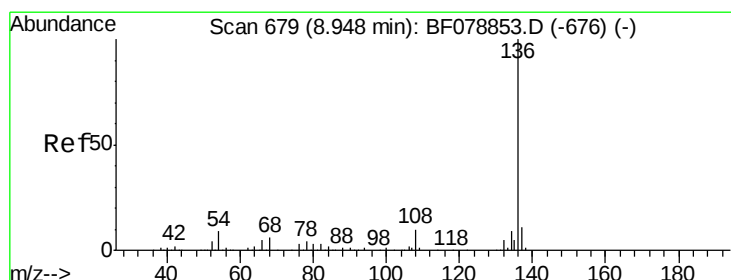
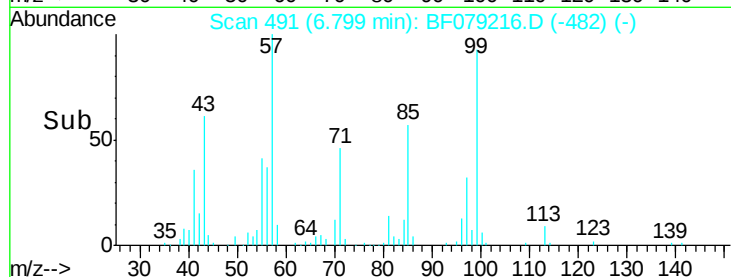
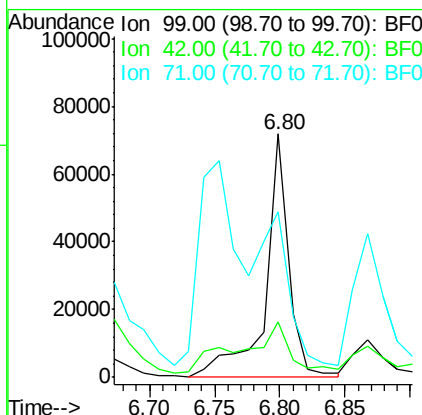
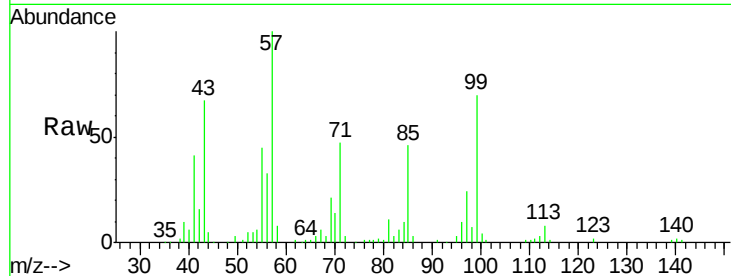
ClientSampleId :

LAR9795RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		91092		
42	22.7	12.8	19.2#		
71	67.8	23.4	35.2#		

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#21

Naphthalene-d8

Concen: 20.00 ng

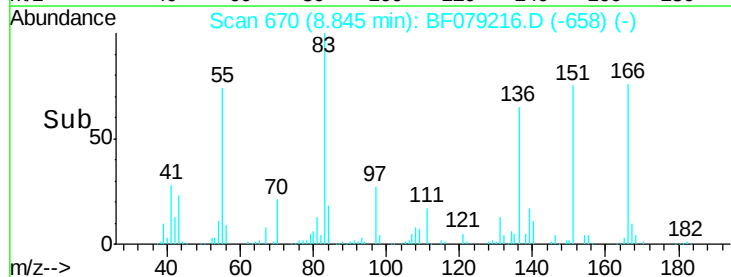
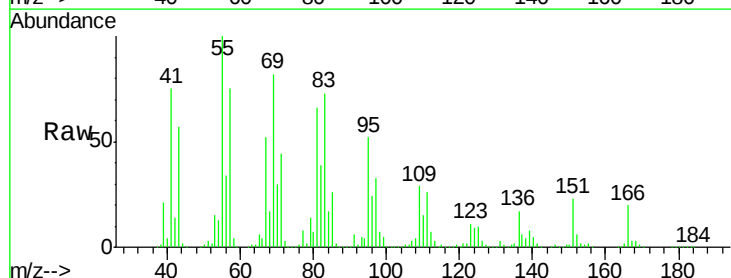
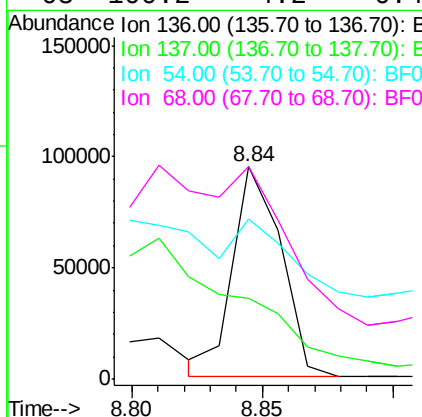
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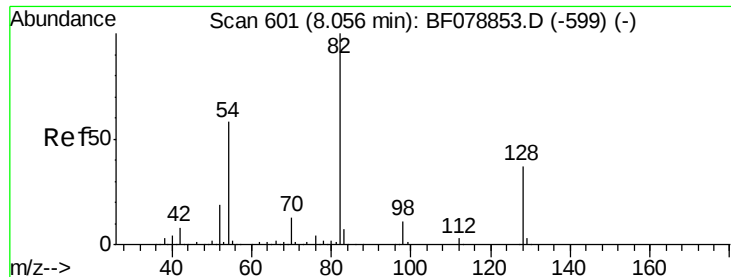
Delta R.T. 0.03 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		121895		
137	37.8	8.7	13.1#		
54	75.7	5.8	8.8#		
68	100.2	4.2	6.4#		





#23

Nitrobenzene-d5

Concen: 25.75 ng

RT: 7.98 min Scan# 594

Delta R.T. 0.05 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

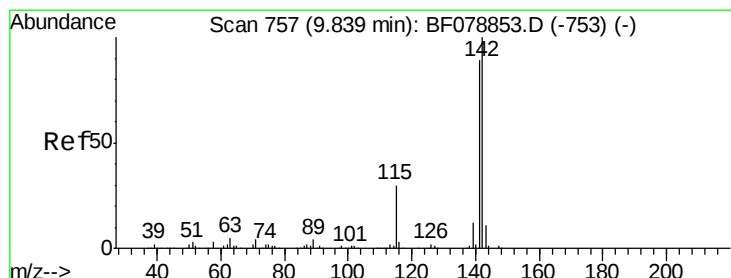
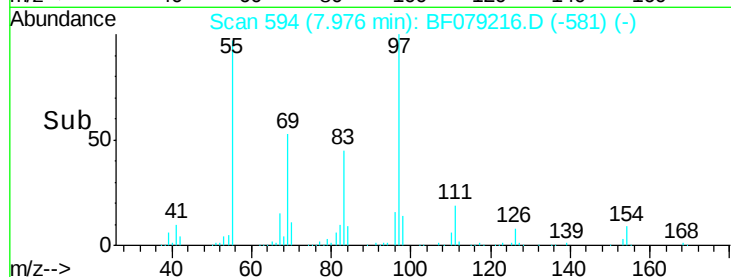
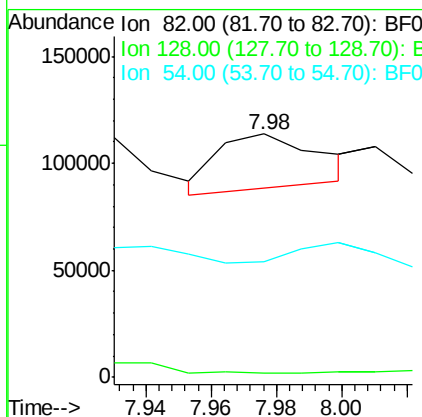
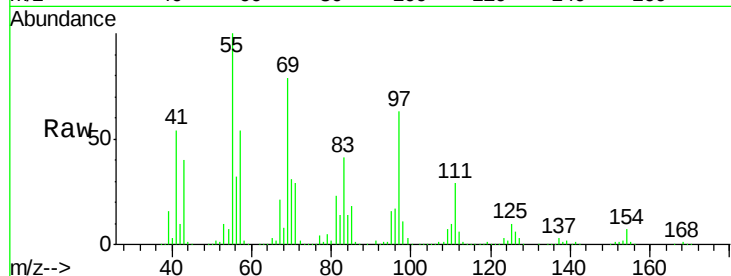
ClientSampleId :

LAR9795RE

Tot Ion:	82	Resp:	54624
Ion Ratio	Lower	Upper	
82	100		
128	1.7	30.0	45.0#
54	47.5	46.4	69.6

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#37

2-Methylnaphthalene

Concen: 15.00 ng

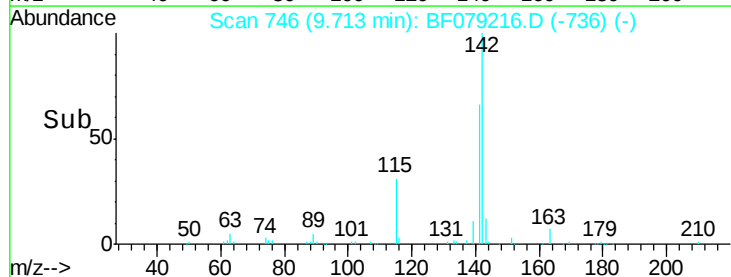
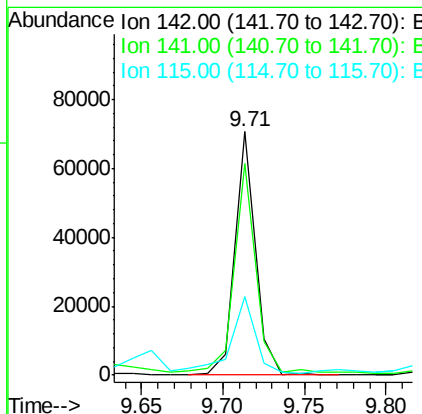
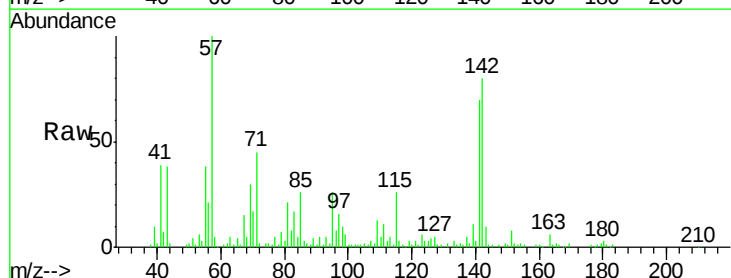
RT: 9.71 min Scan# 746

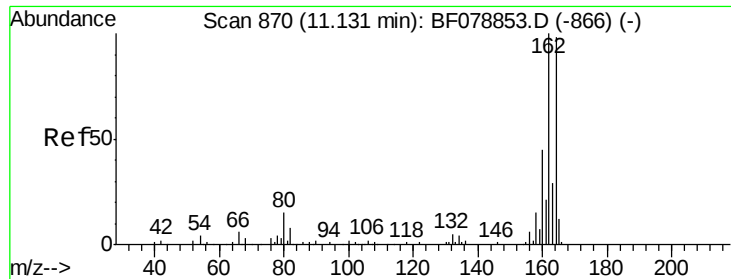
Delta R.T. 0.01 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Tgt Ion:	142	Resp:	60363
Ion Ratio	Lower	Upper	
142	100		
141	87.2	70.9	106.3
115	32.3	28.5	42.7





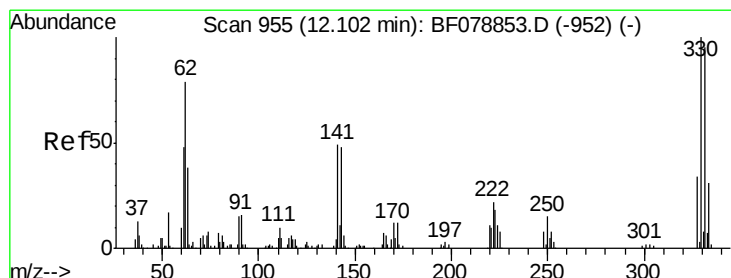
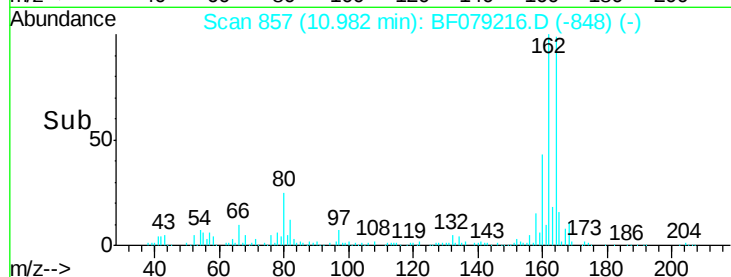
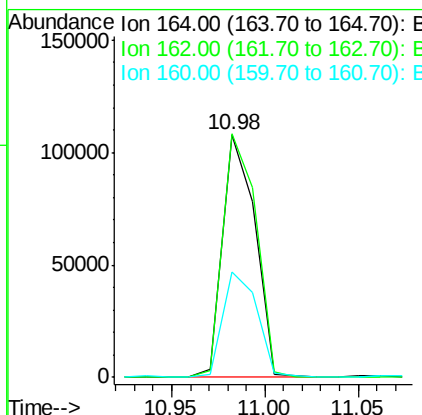
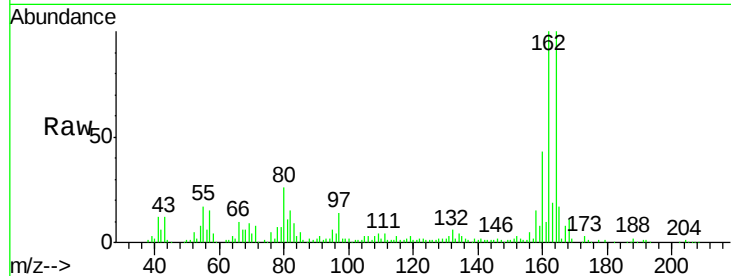
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.98 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF079216.D
Acq: 14 May 2015 1:59

Instrument :
BNA_F
ClientSampleId :
LAR9795RE

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.4	82.7	124.1	
160	43.3	35.8	53.8	

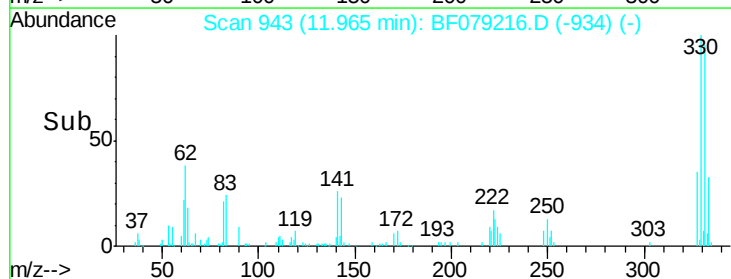
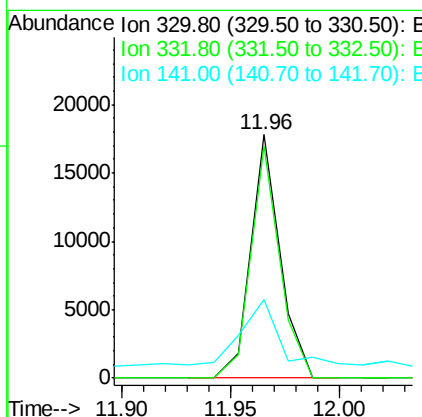
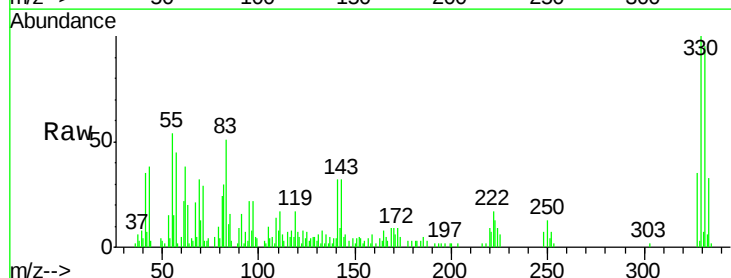
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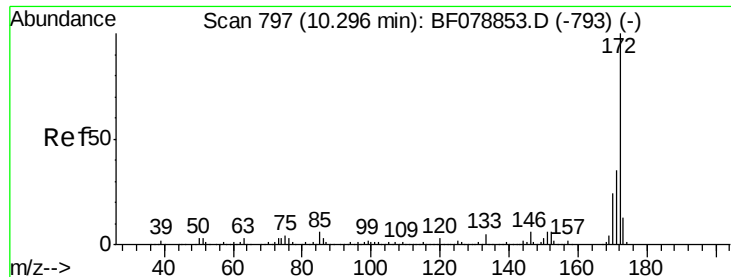
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#41
2,4,6-Tribromophenol
Concen: 11.71 ng
RT: 11.96 min Scan# 943
Delta R.T. 0.00 min
Lab File: BF079216.D
Acq: 14 May 2015 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.4	0.0	0.0#	
141	33.2	0.0	0.0#	





#44

2-Fluorobiphenyl

Concen: 8.64 ng

RT: 10.16 min Scan# 785

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

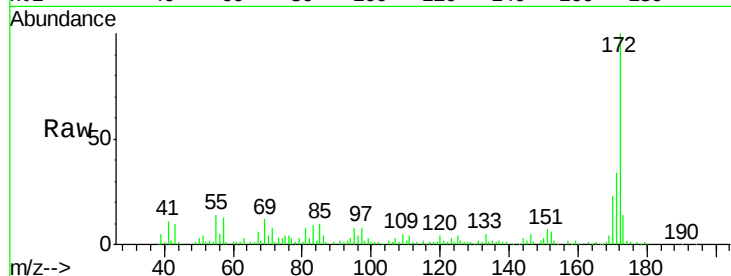
ClientSampleId :

LAR9795RE

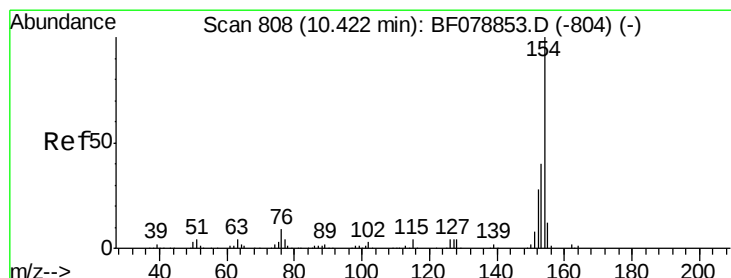
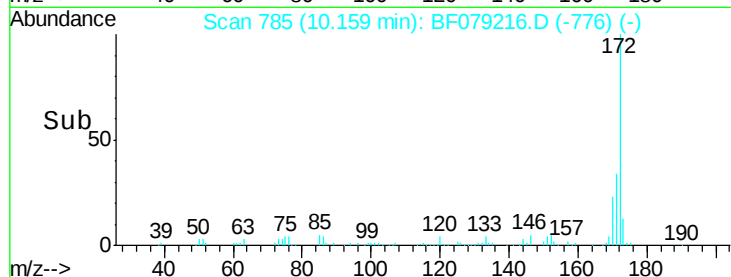
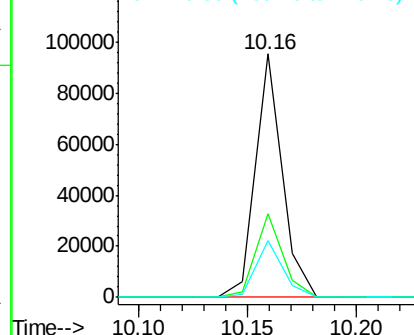
Tot Ion:	172	Resp:	81561
Ion Ratio	Lower	Upper	
172	100		
171	34.1	27.9	41.9
170	23.1	19.4	29.0

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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



#45

1,1'-Biphenyl

Concen: 2.46 ng

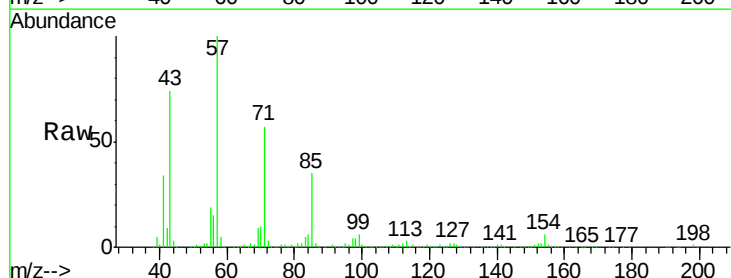
RT: 10.28 min Scan# 796

Delta R.T. 0.00 min

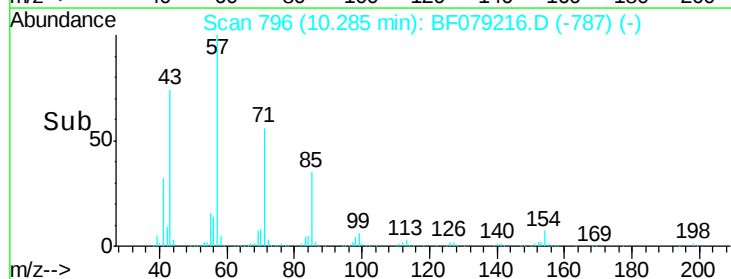
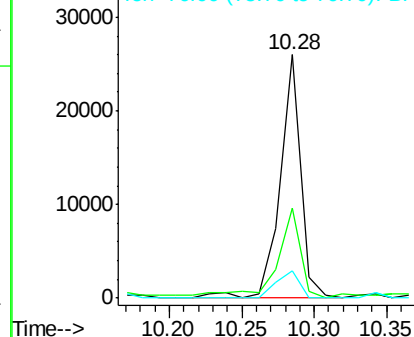
Lab File: BF079216.D

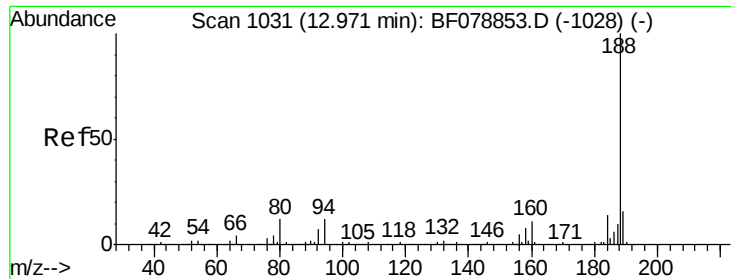
Acq: 14 May 2015 1:59

Tgt Ion:	154	Resp:	25674
Ion Ratio	Lower	Upper	
154	100		
153	36.8	19.9	59.9
76	11.1	0.0	35.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.83 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

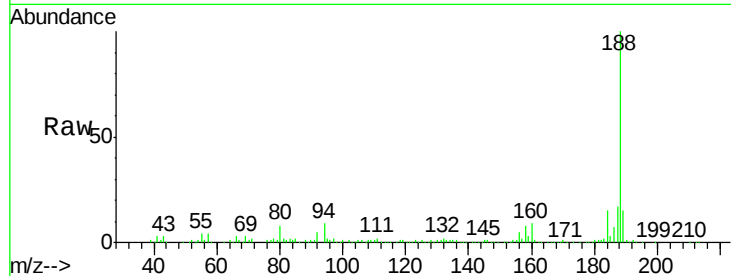
ClientSampleId :

LAR9795RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		225544		
94	8.5	8.2	12.2		
80	8.4	8.9	13.3#		

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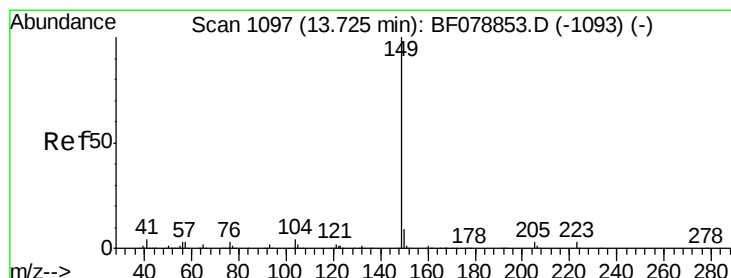
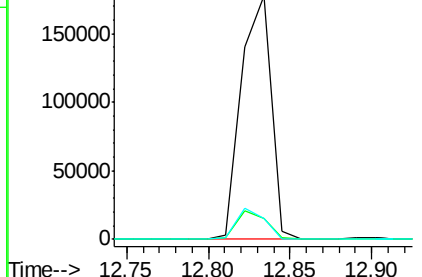
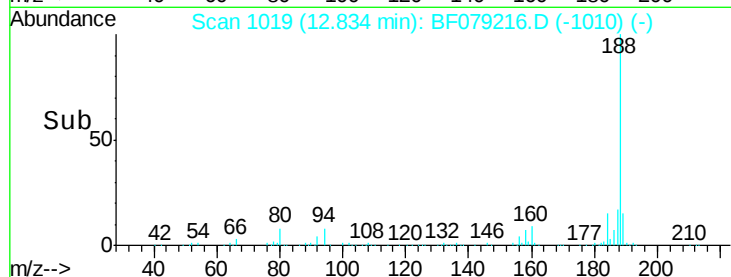
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#73

Di-n-butylphthalate

Concen: 2.14 ng

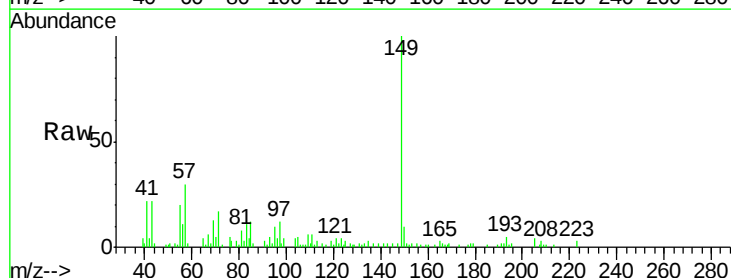
RT: 13.58 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

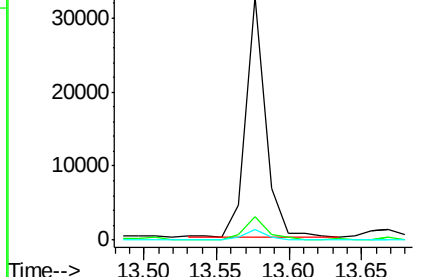
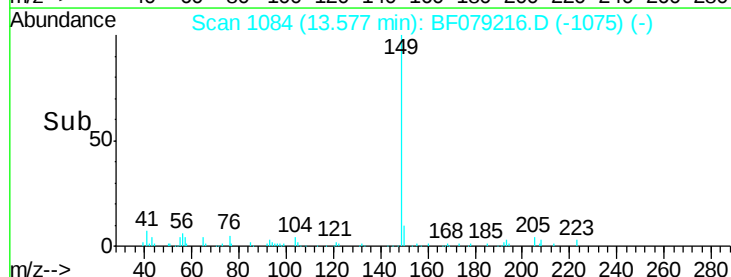
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		30211		
150	9.7	7.7	11.5		
104	4.3	4.6	7.0#		

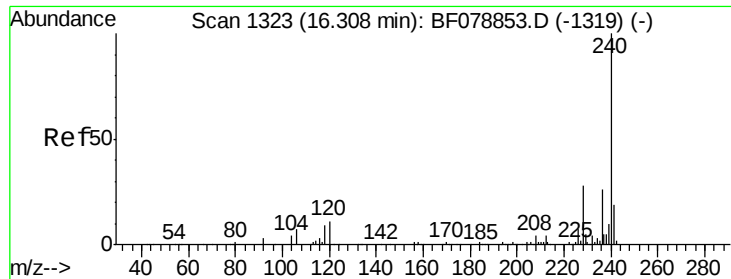


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





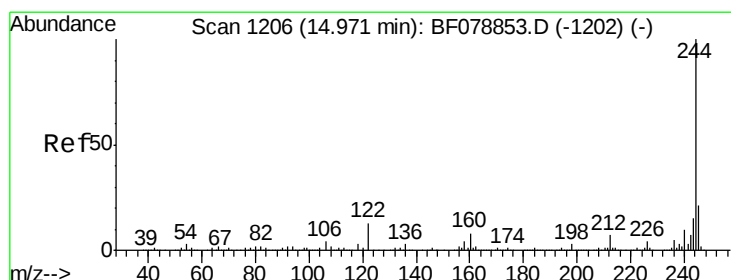
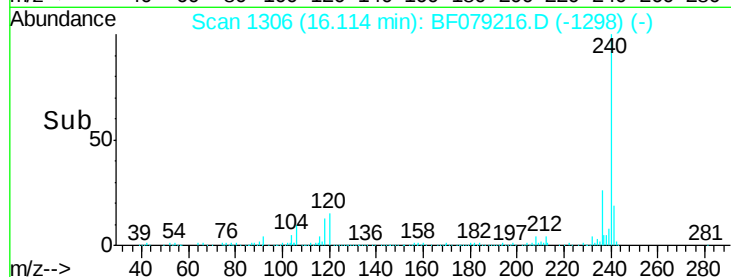
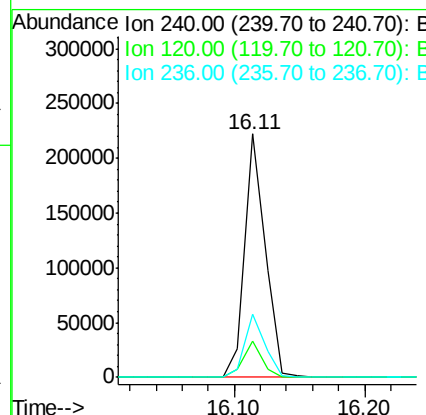
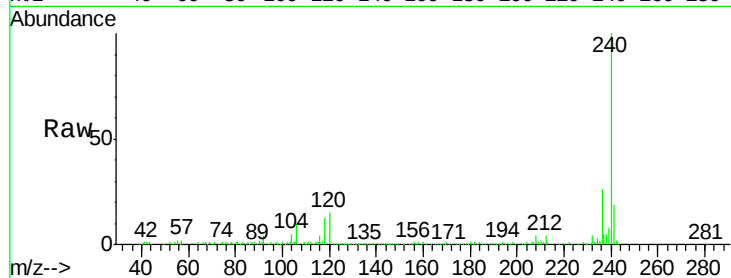
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.11 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF079216.D
 Acq: 14 May 2015 1:59

Instrument :
 BNA_F
 ClientSampleId :
 LAR9795RE

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.8	9.7	14.5#
236	26.0	20.2	30.4

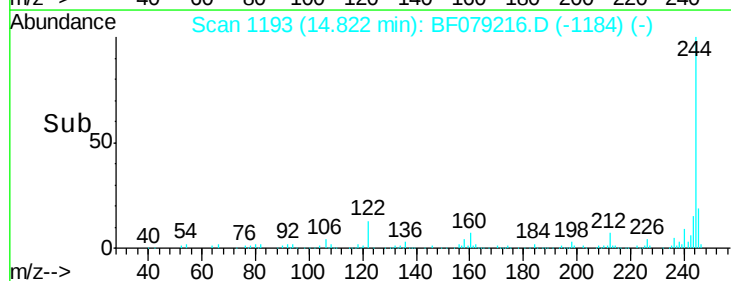
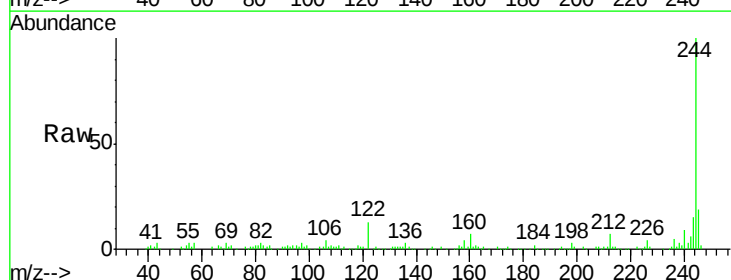
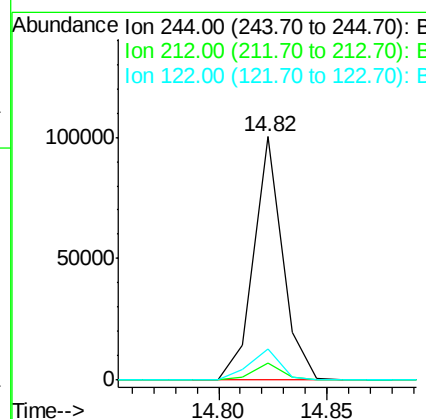
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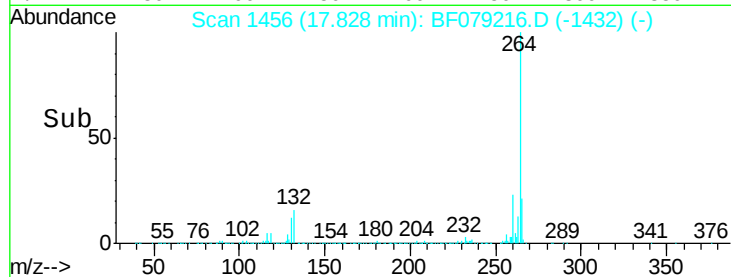
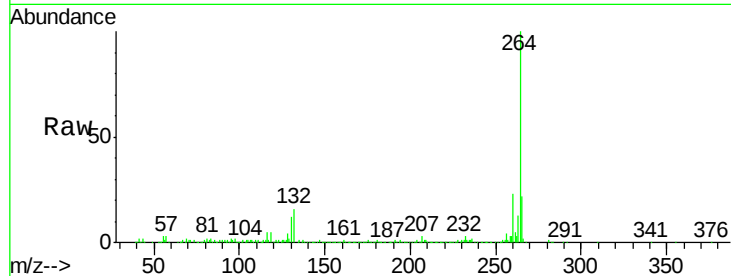
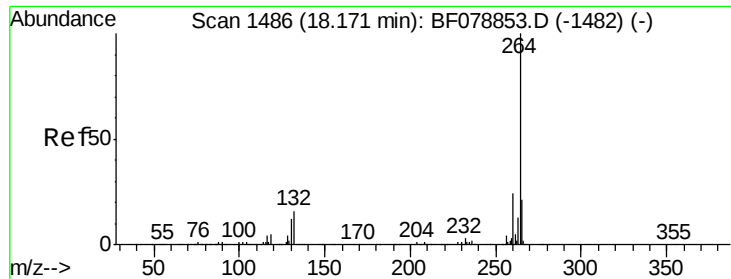
apatel
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#78
 Terphenyl-d14
 Concen: 9.18 ng
 RT: 14.82 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: BF079216.D
 Acq: 14 May 2015 1:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	5.6	8.4
122	12.6	10.3	15.5





#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.02 min
Lab File: BF079216.D
Acq: 14 May 2015 1:59

Instrument :
BNA_F
ClientSampleId :
LAR9795RE

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.5	18.3	27.5

Manual Integrations
APPROVED

apatel
5/14/2015 5:01:56 PM

