

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090432.D
 Acq On : 11 Aug 2015 17:33
 Operator : UM/IZ
 Sample : PB84961BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84961BSD

Manual Integrations
 APPROVED

MMDadoda
 8/12/2015 3:55:37 PM

Quant Time: Aug 12 04:27:18 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	21858	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	102517	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	59568	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	138640	5.00	ng	0.00
25) Chrysene-d12	21.09	240	165302	5.00	ng	0.00
32) Perylene-d12	23.40	264	144113	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	35007	10.67	ng	0.00
5) Phenol-d6	6.76	99	56057	7.88	ng	-0.01
7) Nitrobenzene-d5	8.72	82	27928	3.41	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	16010	8.52	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	62882	3.84	ng	0.00
27) Terphenyl-d14	19.55	244	100028	4.11	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.19	88	9983	3.85	ng	98
3) n-Nitrosodimethylamine	3.49	42	12806	3.79	ng	# 82
8) Nitrobenzene	8.76	77	30555	3.49	ng	97
9) Naphthalene	10.38	128	80389	3.55	ng	98
10) Hexachlorobutadiene	10.68	225	13377	3.89	ng	99
11) 2-Methylnaphthalene	12.01	142	53918	4.11	ng	96
15) Acenaphthylene	13.91	152	381484	3.95	ng	100
16) Acenaphthene	14.26	154	56069	3.74	ng	89
17) Fluorene	15.26	166	75583	3.88	ng	97
19) 4-Bromophenyl-phenylether	16.14	248	21305	3.95	ng	94
20) Hexachlorobenzene	16.26	284	94031	3.38	ng	99
21) Pentachlorophenol	16.60	266	15151	7.27	ng	90
22) Phenanthrene	16.98	178	130960	3.77	ng	100
23) Anthracene	17.07	178	124240	4.36	ng	100
24) Fluoranthene	18.98	202	146245	4.28	ng	99
26) Pyrene	19.34	202	159255	4.44	ng	99
28) Benzo(a)anthracene	21.08	228	149757	4.09	ng	99
29) Chrysene	21.13	228	163326m	3.69	ng	
30) Bis(2-ethylhexyl)phthalate	21.03	149	57276	4.50	ng	98
31) Indeno(1,2,3-cd)pyrene	25.78	276	133511	3.42	ng	95
33) Benzo(b)fluoranthene	22.70	252	125744	3.90	ng	99
34) Benzo(k)fluoranthene	22.74	252	150881m	3.76	ng	
35) Benzo(a)pyrene	23.29	252	117090	3.86	ng	99
36) Dibenzo(a,h)anthracene	25.80	278	106070	3.60	ng	97
37) Benzo(g,h,i)perylene	26.51	276	117589	4.42	ng	98

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

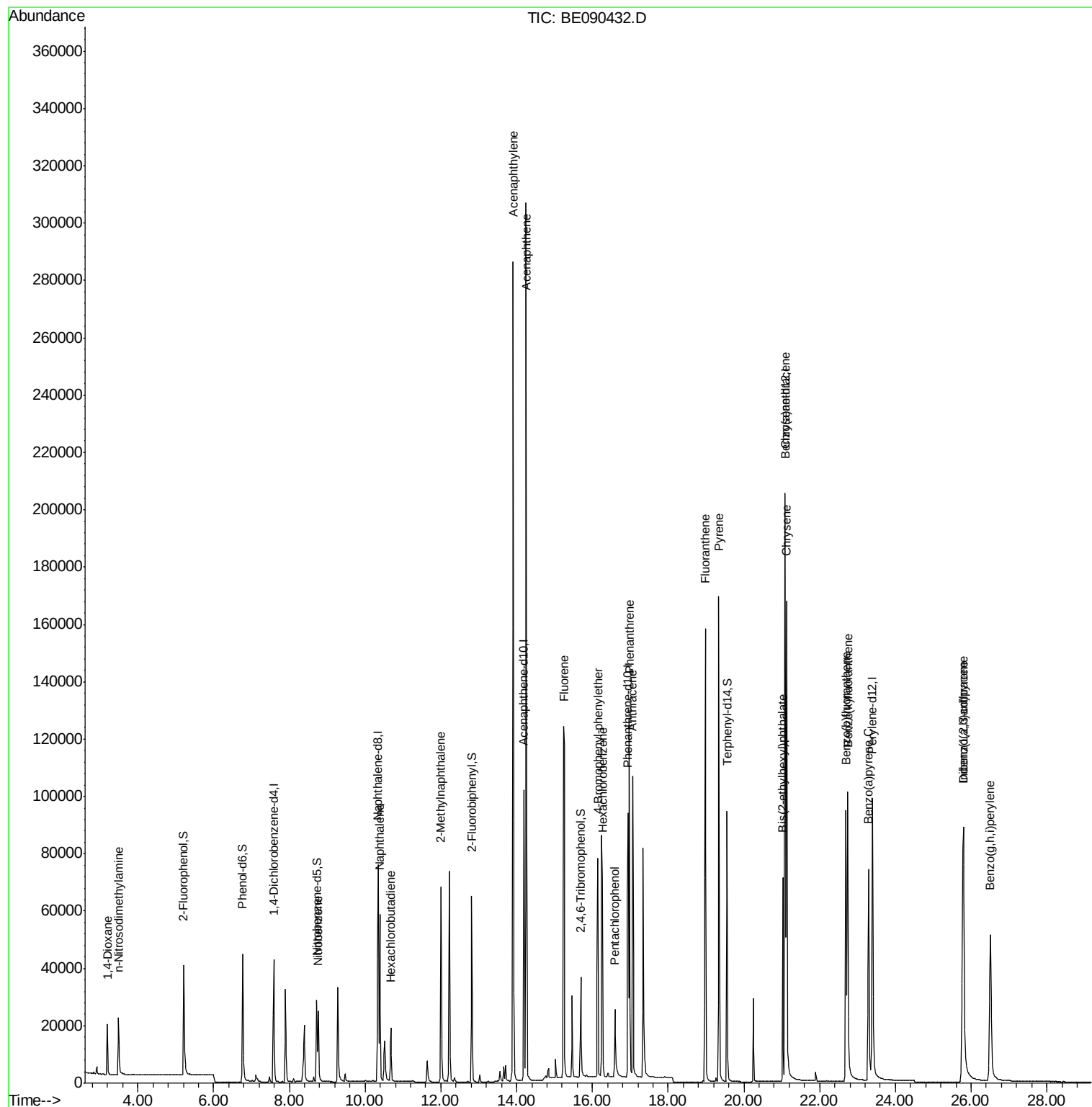
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
Data File : BE090432.D
Acq On : 11 Aug 2015 17:33
Operator : UM/IZ
Sample : PB84961BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

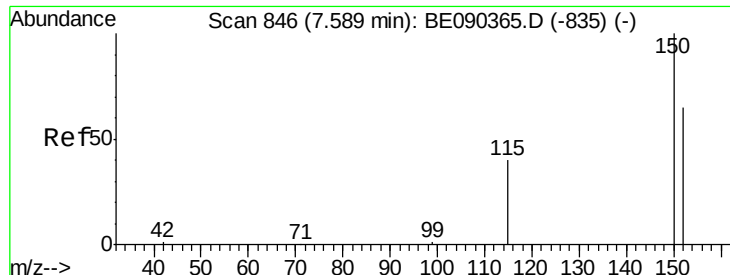
Instrument :
BNA_E
ClientSampleId :
PB84961BSD

Manual Integrations
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8/12/2015 3:55:37 PM

Quant Time: Aug 12 04:27:18 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090432.D

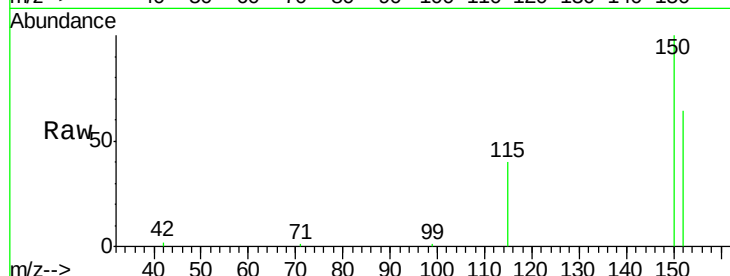
Acq: 11 Aug 2015 17:33

Instrument :

BNA_E

ClientSampled :

PB84961BSD



Tgt Ion: 152 Resp: 21858

Ion Ratio Lower Upper

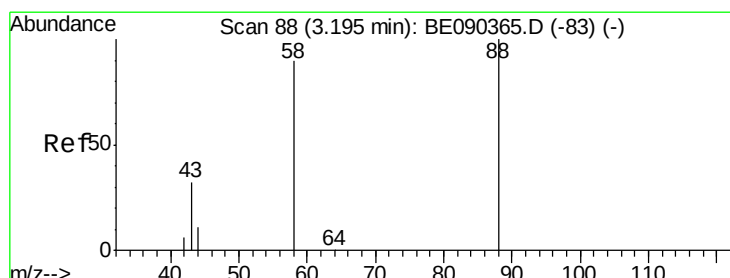
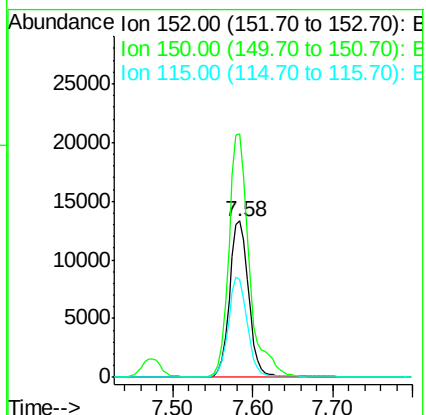
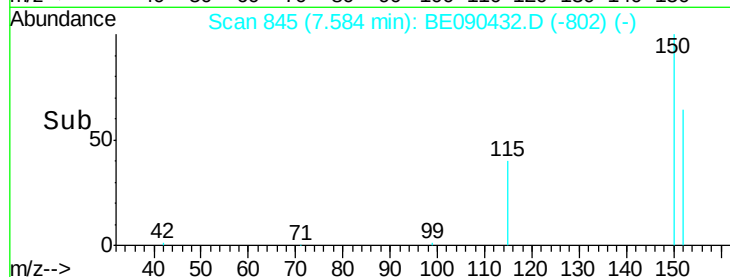
152 100

150 156.1 123.0 184.4

115 62.8 48.9 73.3

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#2

1,4-Dioxane

Concen: 3.85 ng

RT: 3.19 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

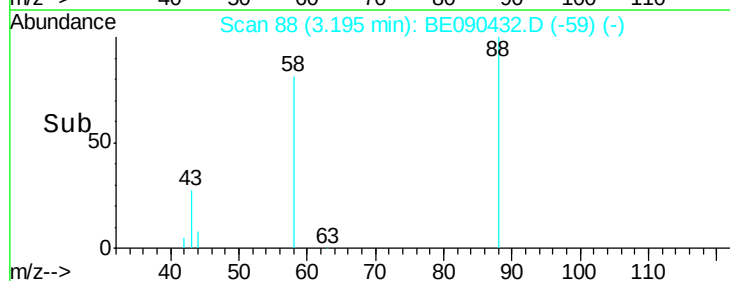
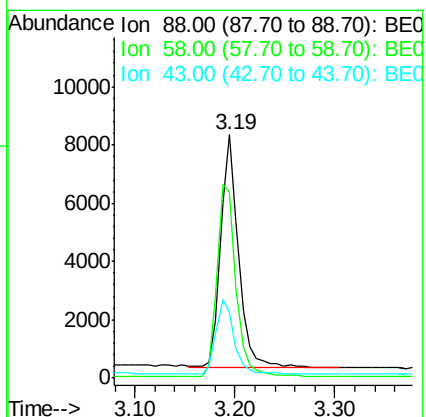
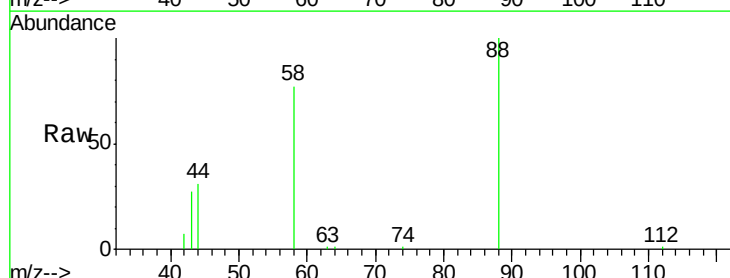
Tgt Ion: 88 Resp: 9983

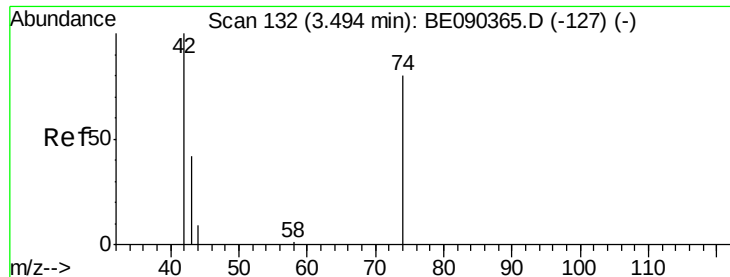
Ion Ratio Lower Upper

88 100

58 87.0 70.0 105.0

43 32.0 28.4 42.6





#3

n-Nitrosodimethylamine

Concen: 3.79 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

Instrument :

BNA_E

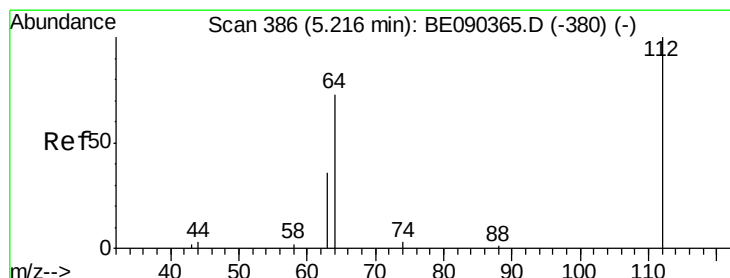
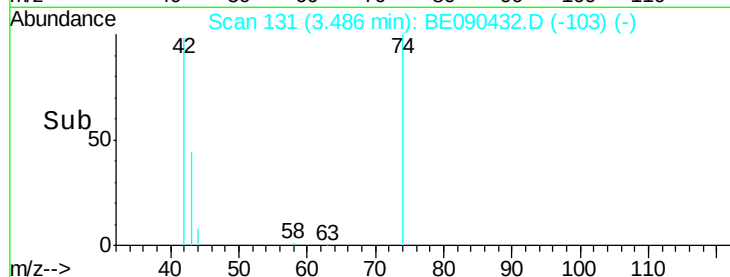
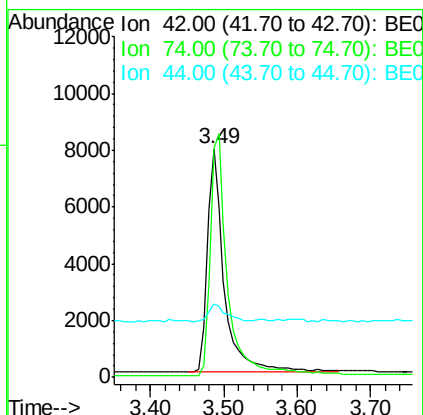
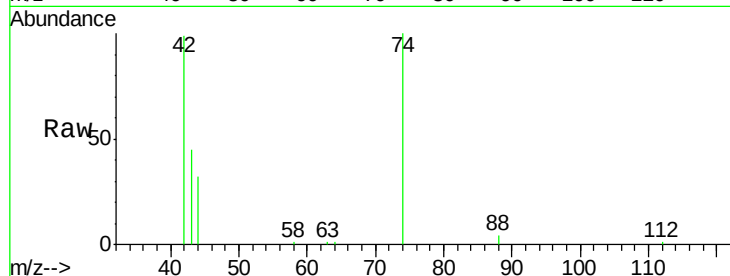
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
42	100		
74	112.4	75.2	112.8
44	8.4	8.7	13.1#



#4

2-Fluorophenol

Concen: 10.67 ng

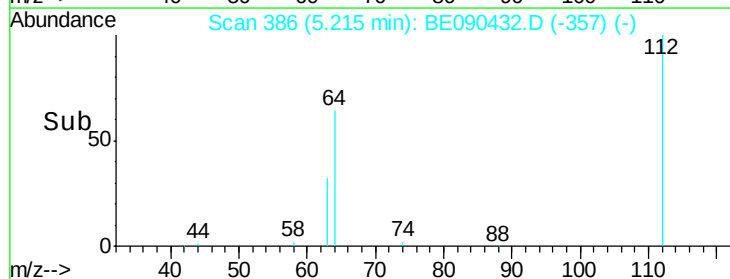
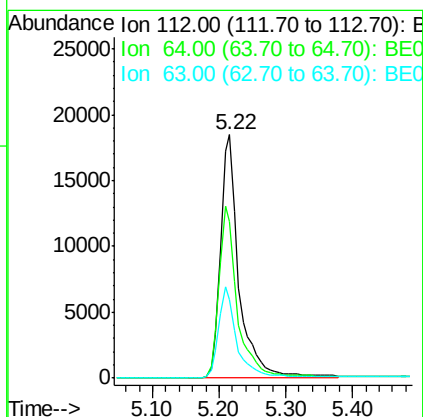
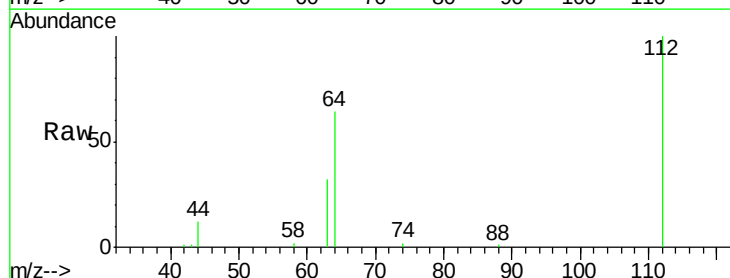
RT: 5.22 min Scan# 386

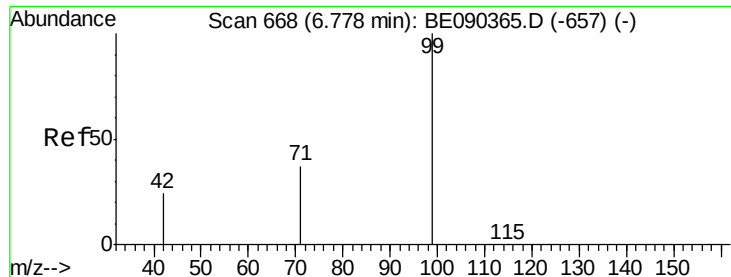
Delta R.T. -0.00 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	37.1	55.7#
63	36.4	19.5	29.3#





#5

Phenol-d6

Concen: 7.88 ng

RT: 6.76 min Scan# 665

Delta R.T. -0.01 min

Lab File: BE090432.D

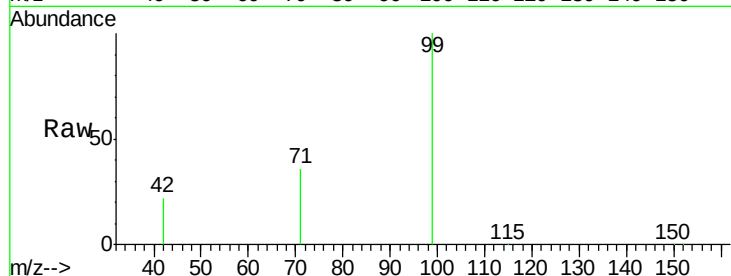
Acq: 11 Aug 2015 17:33

Instrument :

BNA_E

ClientSampleId :

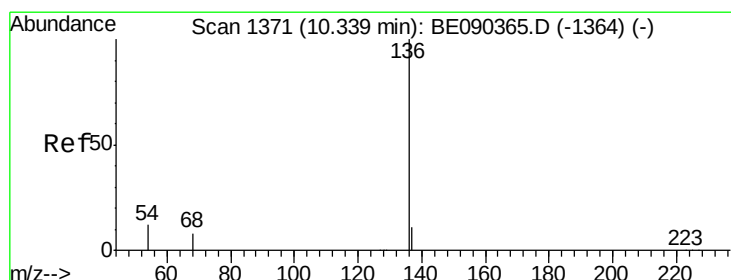
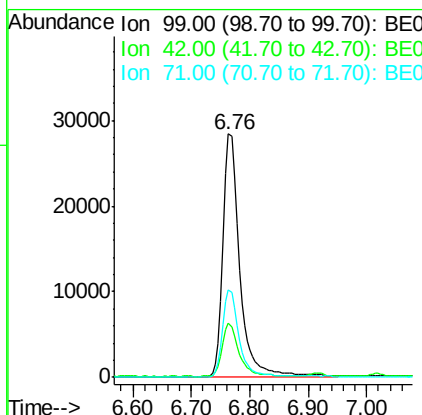
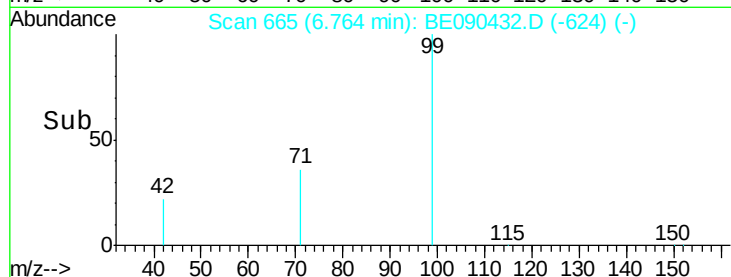
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Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.9	18.2	27.4
71	35.4	27.4	41.0

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#6

Naphthalene-d8

Concen: 5.00 ng

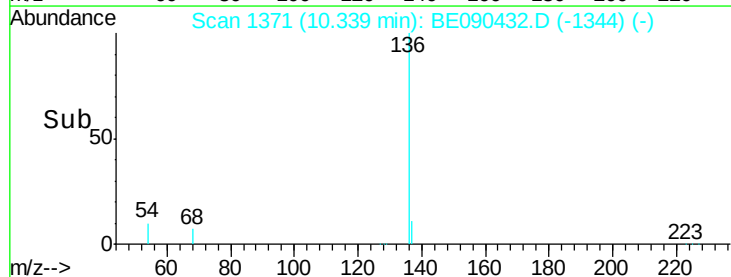
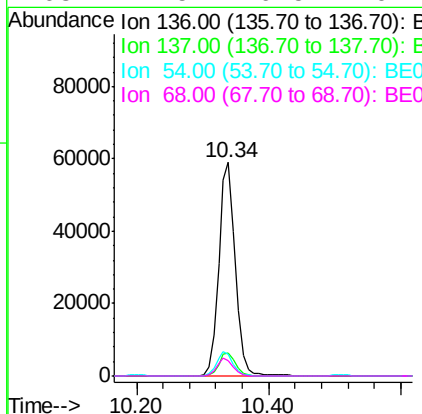
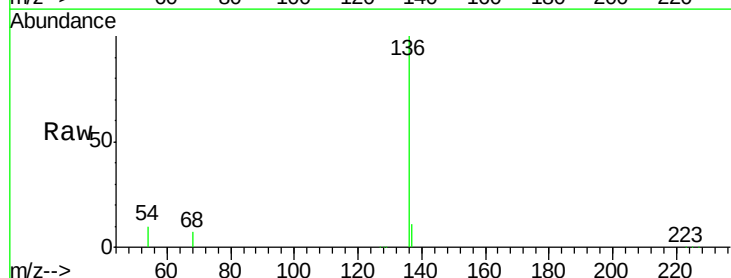
RT: 10.34 min Scan# 1371

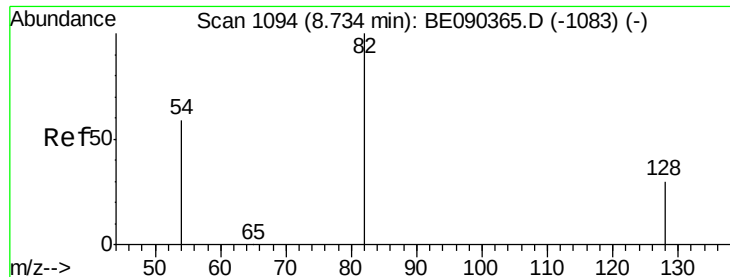
Delta R.T. 0.00 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.1	9.4	14.0
68	7.5	6.5	9.7





#7

Nitrobenzene-d5

Concen: 3.41 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

Instrument :

BNA_E

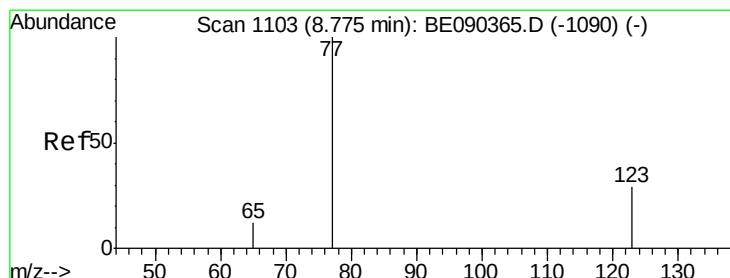
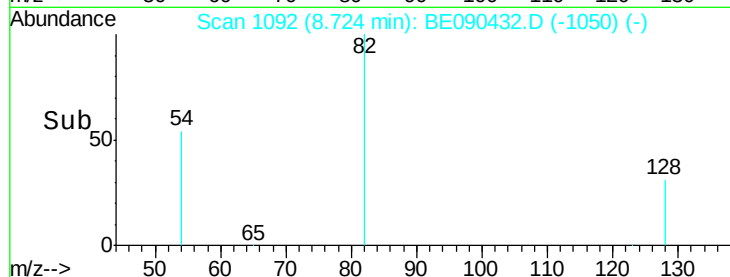
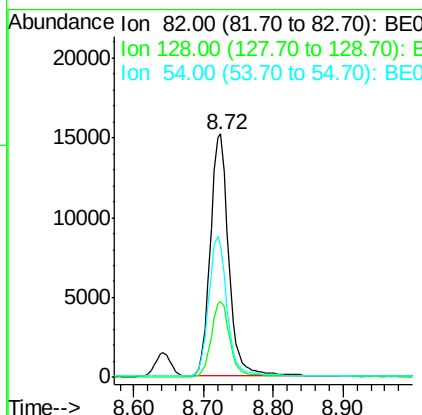
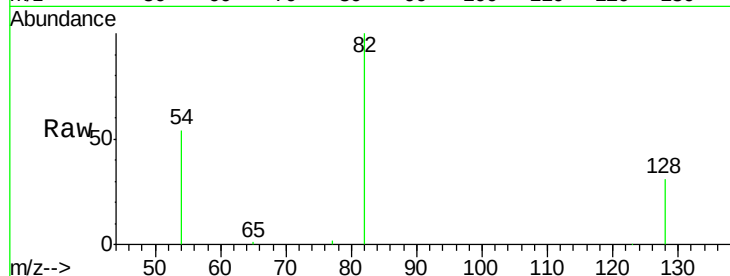
ClientSampleId :

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Tgt Ion	82	Resp	27928
Ion	Ratio	Lower	Upper
82	100		
128	31.3	25.0	37.6
54	54.5	48.8	73.2



#8

Nitrobenzene

Concen: 3.49 ng

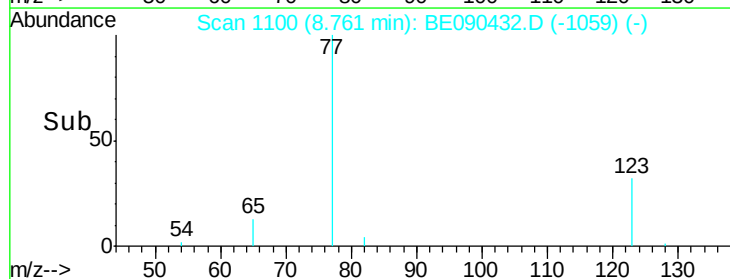
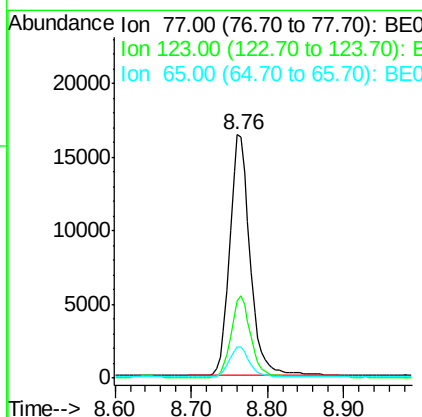
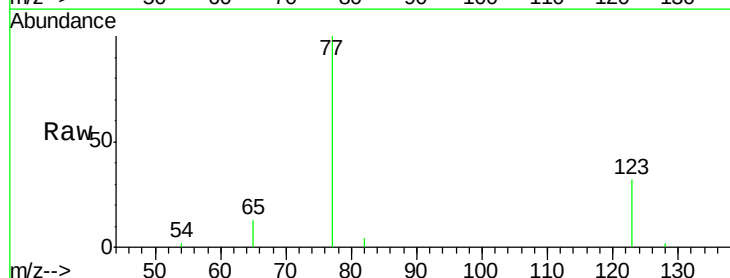
RT: 8.76 min Scan# 1100

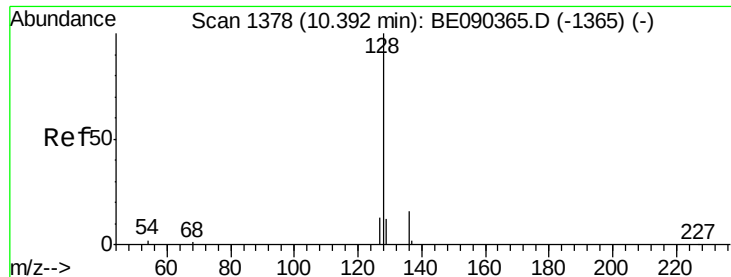
Delta R.T. -0.01 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

Tgt Ion	77	Resp	30555
Ion	Ratio	Lower	Upper
77	100		
123	33.2	25.1	37.7
65	12.6	9.3	13.9





#9

Naphthalene

Concen: 3.55 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090432.D

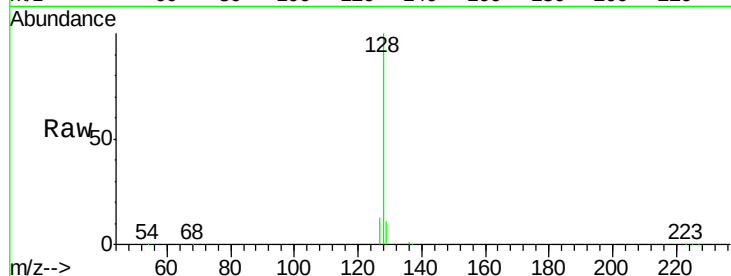
Acq: 11 Aug 2015 17:33

Instrument :

BNA_E

ClientSampleId :

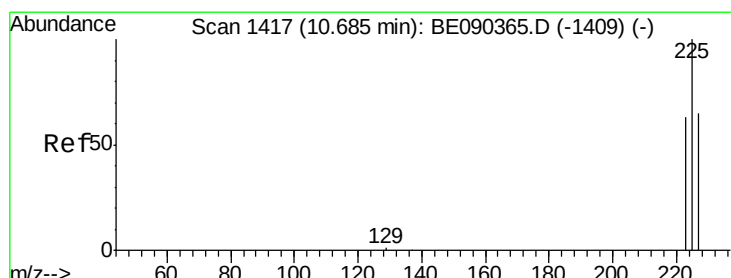
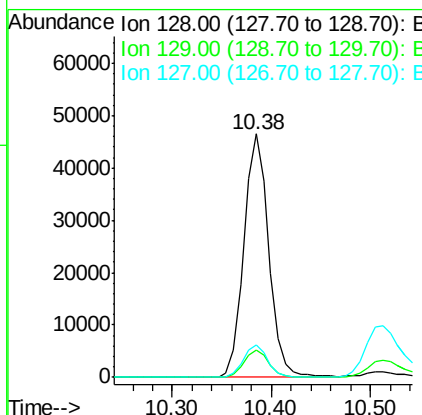
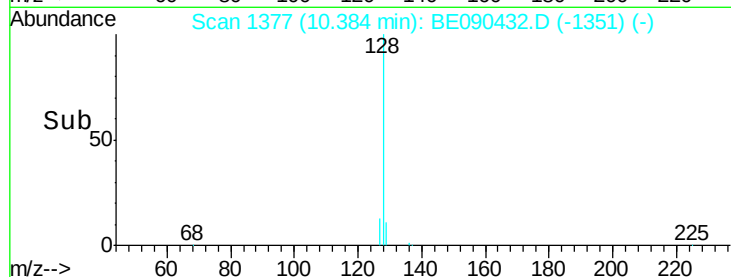
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Tgt Ion:	128	Resp:	80389
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.8	14.6
127	13.1	10.6	16.0

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#10

Hexachlorobutadiene

Concen: 3.89 ng

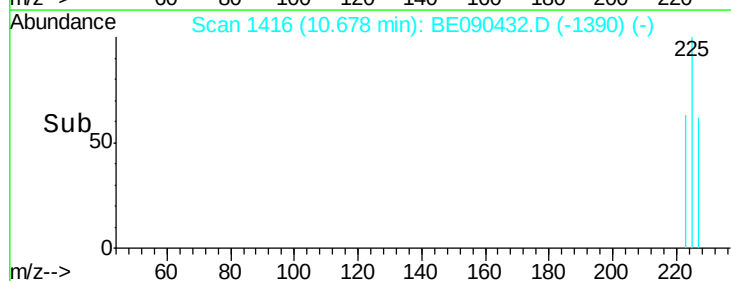
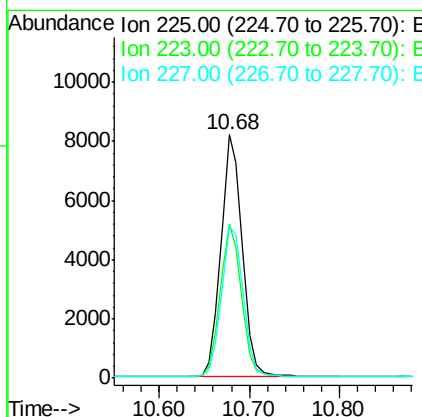
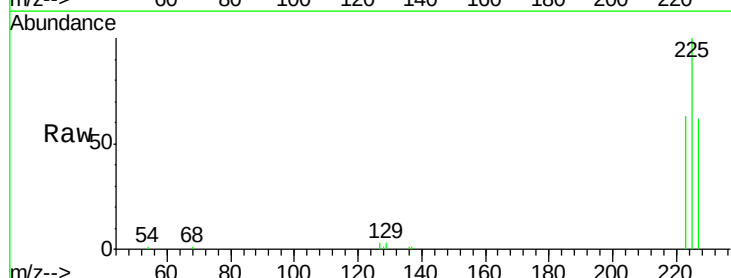
RT: 10.68 min Scan# 1416

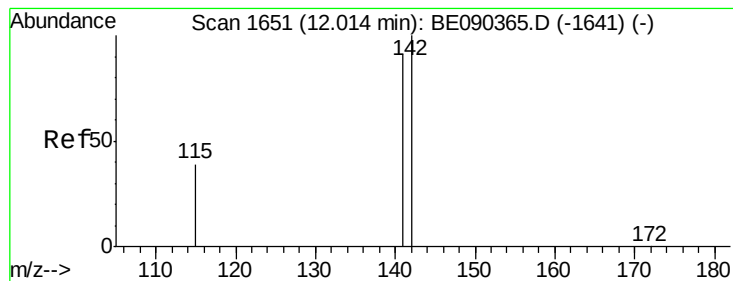
Delta R.T. -0.01 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

Tgt Ion:	225	Resp:	13377
Ion Ratio	Lower	Upper	
225	100		
223	62.7	50.6	75.8
227	63.9	50.7	76.1





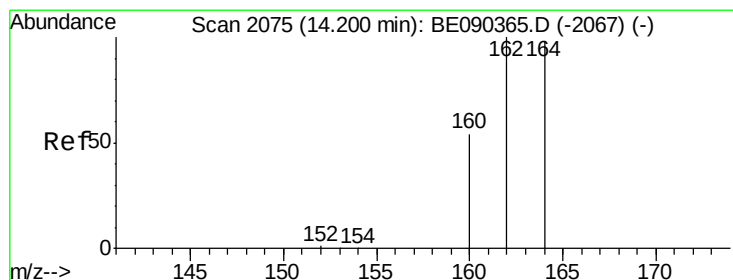
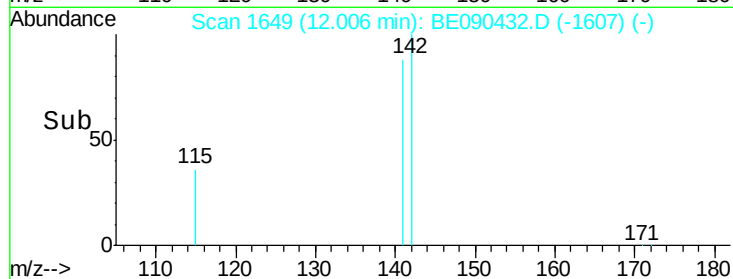
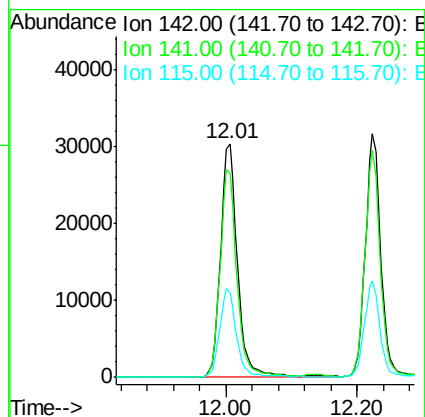
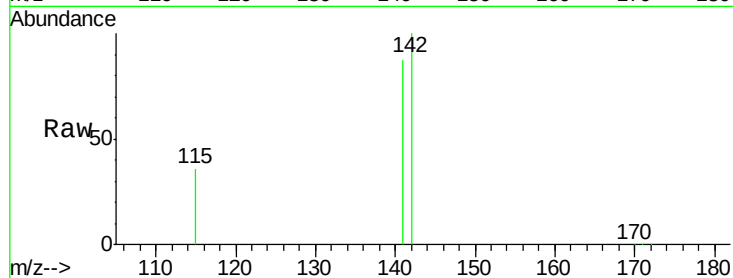
#11
2-Methylnaphthalene
Concen: 4.11 ng
RT: 12.01 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

Instrument :
BNA_E
ClientSampleId :
PB84961BSD

Tgt Ion:142 Resp: 53918
Ion Ratio Lower Upper
142 100
141 87.4 72.6 109.0
115 36.4 31.6 47.4

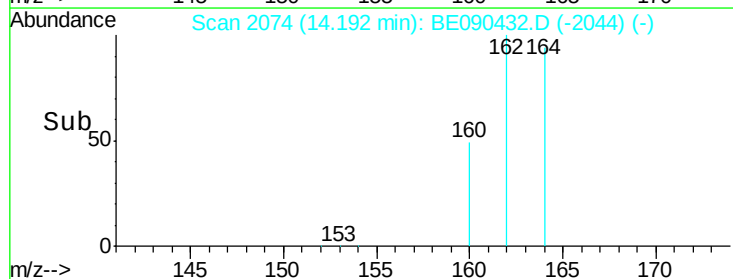
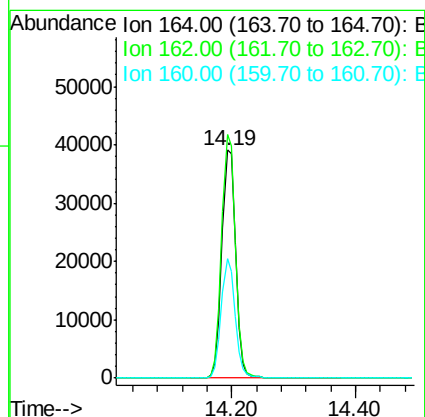
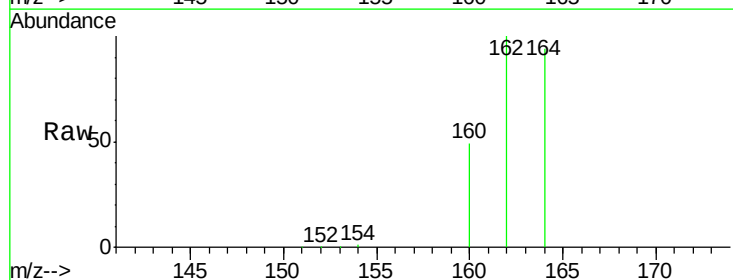
Manual Integrations
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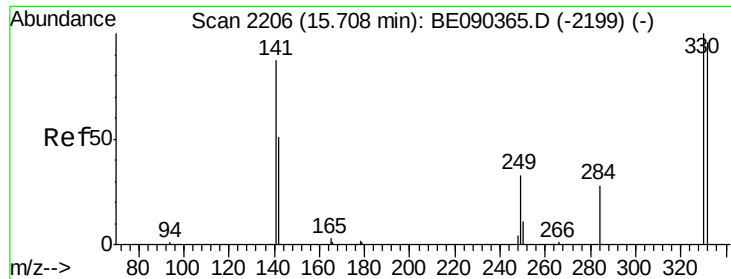
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

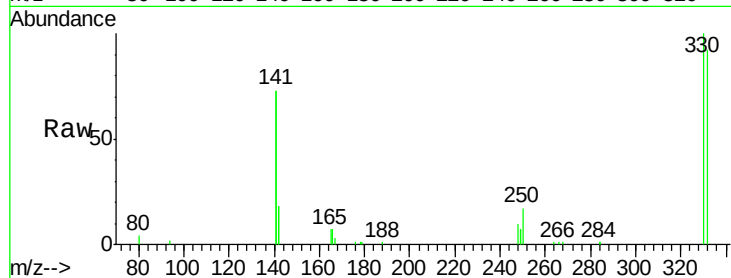
Tgt Ion:164 Resp: 59568
Ion Ratio Lower Upper
164 100
162 106.9 81.8 122.8
160 52.2 44.2 66.4





#13
 2,4,6-Tribromophenol
 Concen: 8.52 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

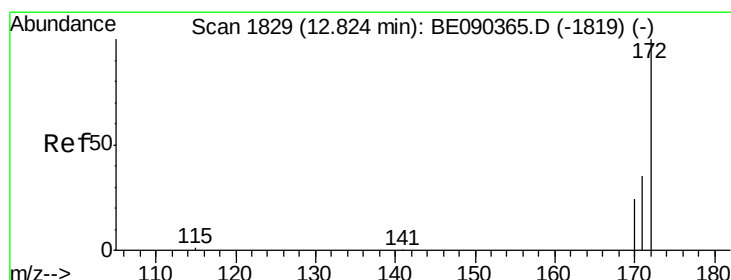
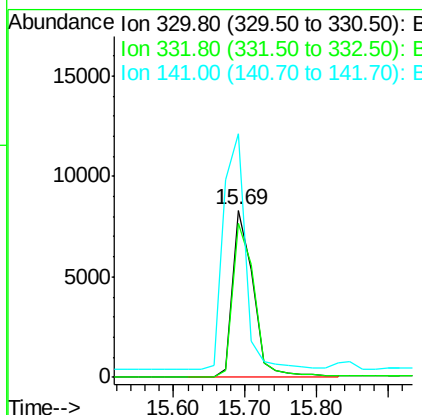
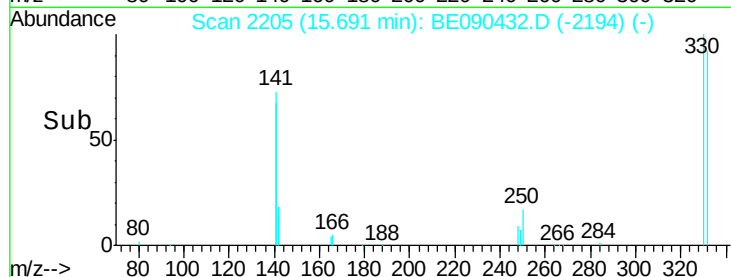
Instrument :
 BNA_E
 ClientSampleId :
 PB84961BSD



Tgt Ion: 330 Resp: 16010
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.8 113.6
 141 157.8 114.4 171.6

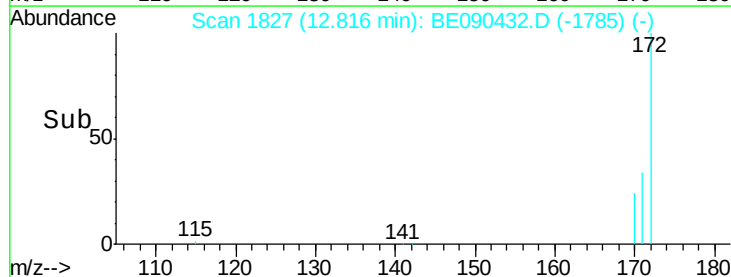
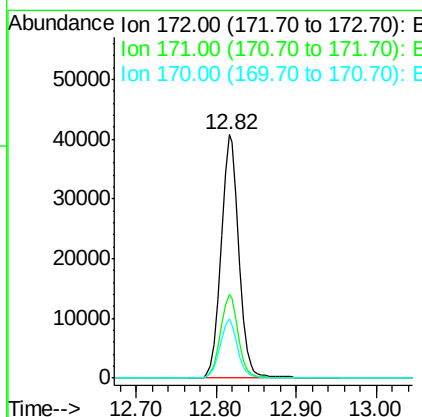
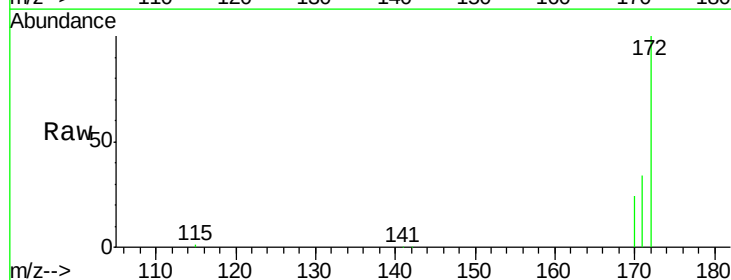
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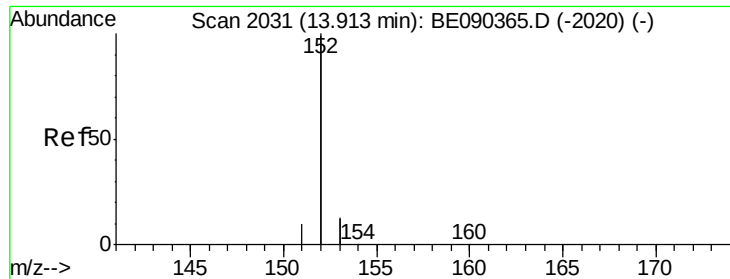
MMDadoda
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#14
 2-Fluorobiphenyl
 Concen: 3.84 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

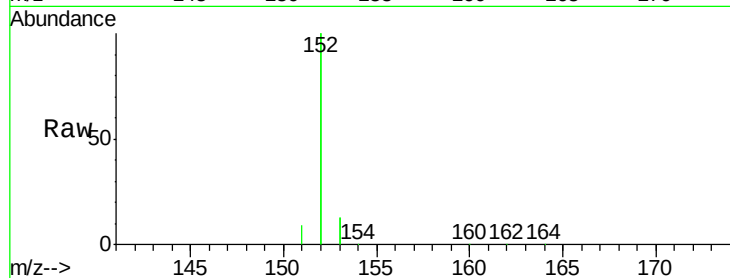
Tgt Ion: 172 Resp: 62882
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.5 42.7
 170 24.2 19.8 29.8





#15
Acenaphthylene
Concen: 3.95 ng
RT: 13.91 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

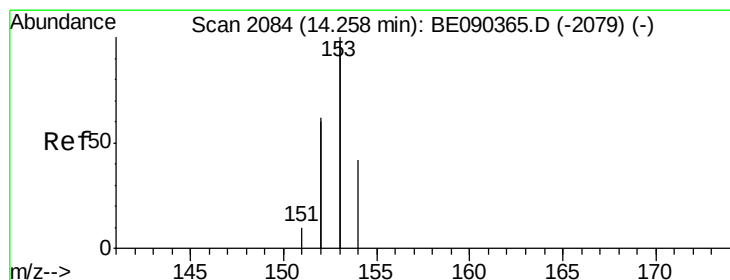
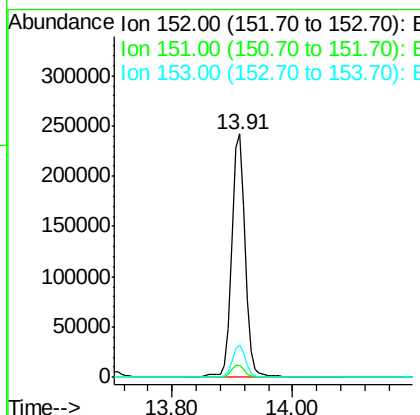
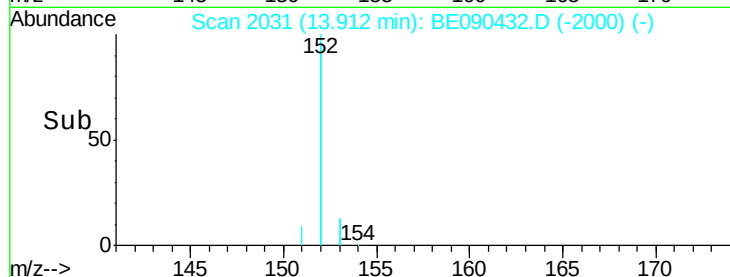
Instrument :
BNA_E
ClientSampleId :
PB84961BSD



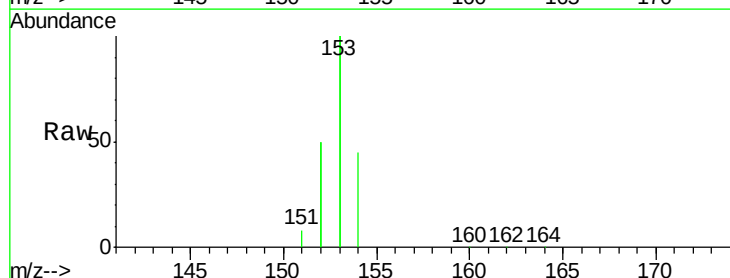
Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.0	10.3	15.5

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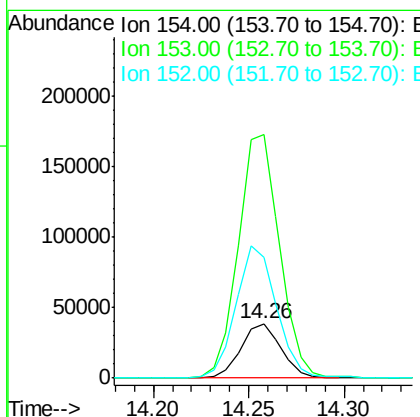
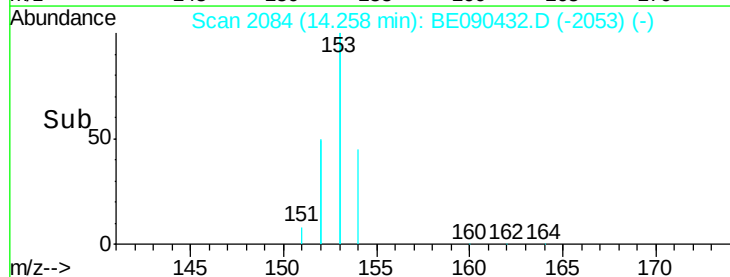
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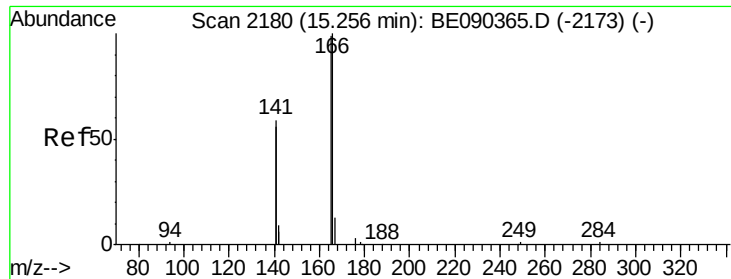


#16
Acenaphthene
Concen: 3.74 ng
RT: 14.26 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33



Tgt Ion	Ratio	Lower	Upper
154	100		
153	462.2	376.2	564.2
152	246.3	235.0	352.4





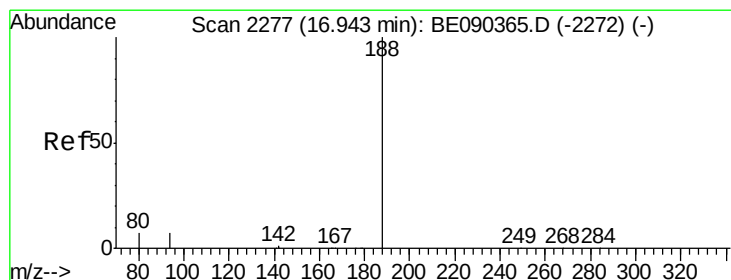
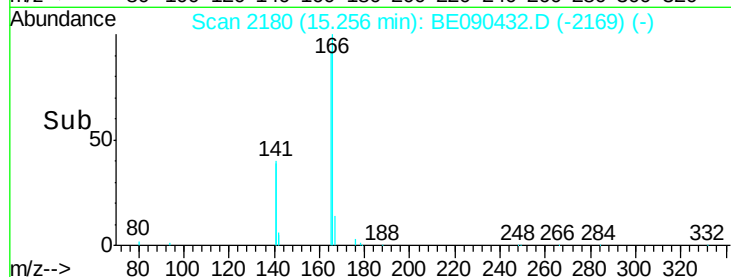
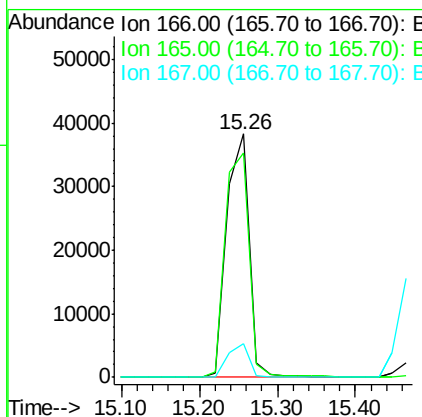
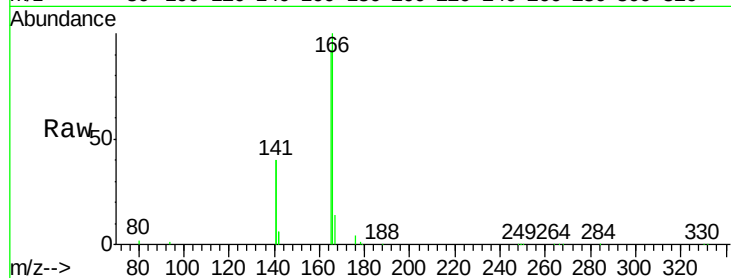
#17
Fluorene
 Concen: 3.88 ng
 RT: 15.26 min Scan# 2180
 Delta R.T. -0.00 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

Instrument :
 BNA_E
 ClientSampleID :
 PB84961BSD

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	81.5	122.3
167	13.3	11.4	17.0

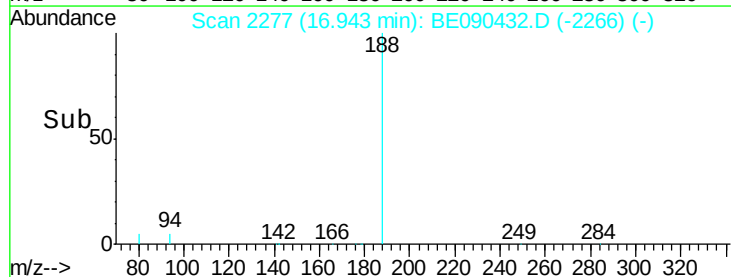
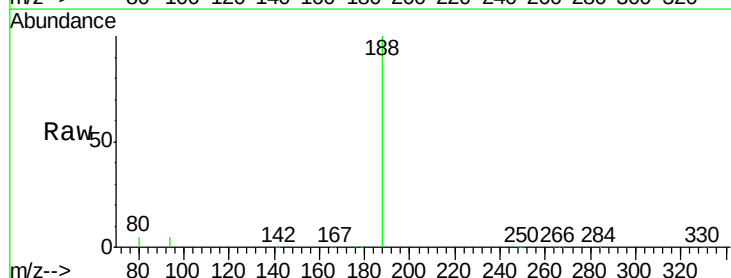
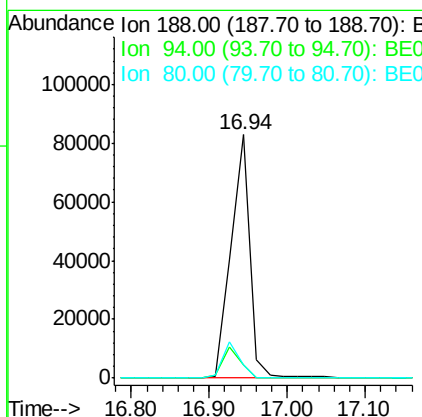
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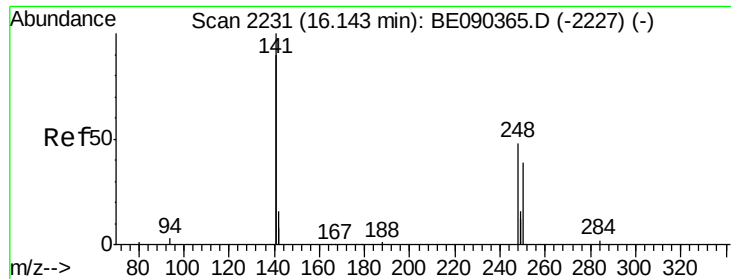
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	5.7	8.5#
80	5.4	5.8	8.8#





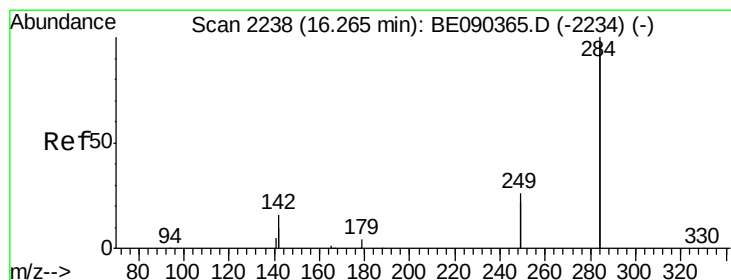
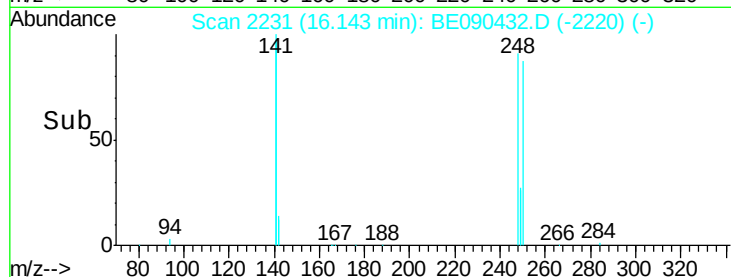
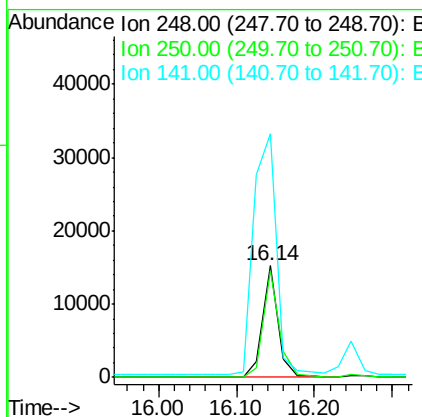
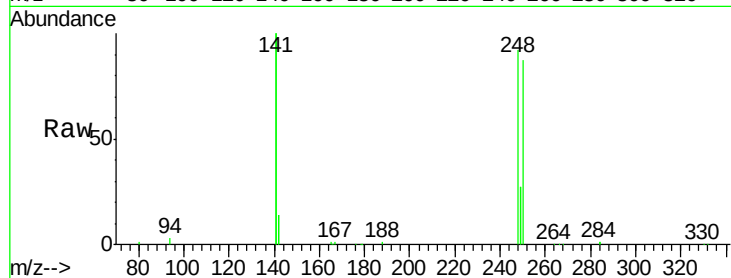
#19
4-Bromophenyl-phenylether
Concen: 3.95 ng
RT: 16.14 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

Instrument :
BNA_E
ClientSampleId :
PB84961BSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.9	79.0	118.6
141	312.6	239.5	359.3

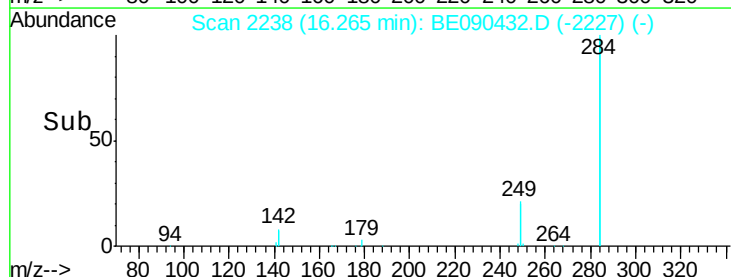
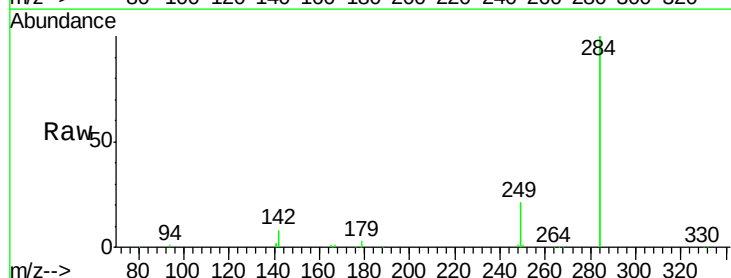
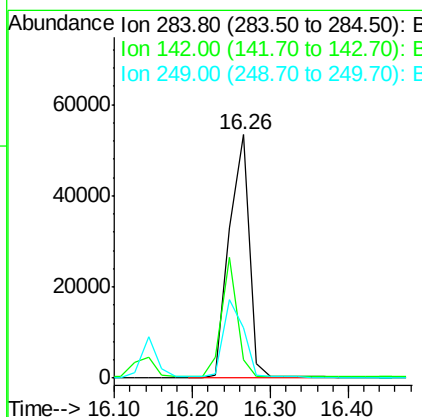
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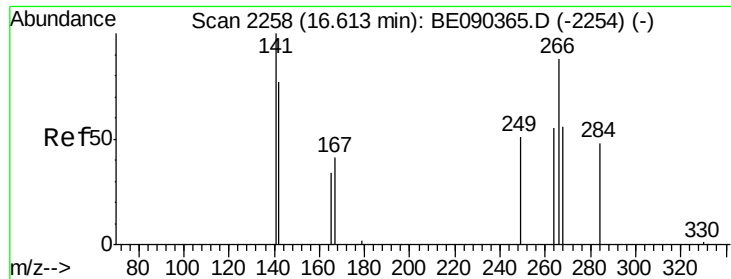
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#20
Hexachlorobenzene
Concen: 3.38 ng
RT: 16.26 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.7	30.1	45.1
249	32.2	25.7	38.5





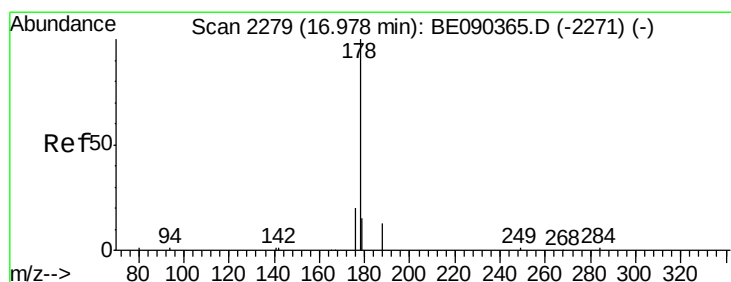
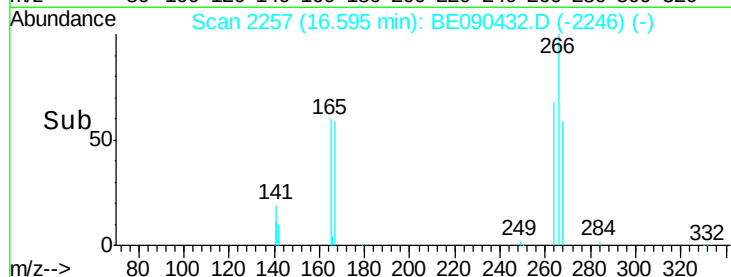
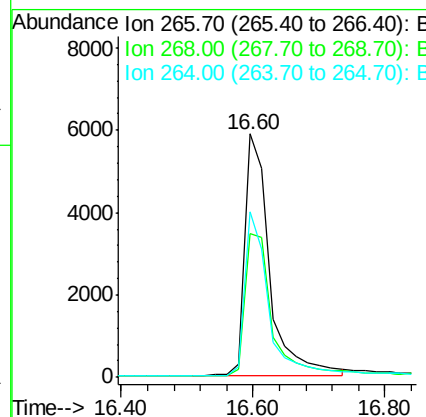
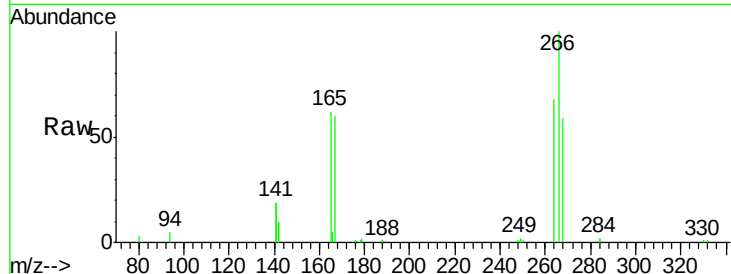
#21
 Pentachlorophenol
 Concen: 7.27 ng
 RT: 16.60 min Scan# 2257
 Delta R.T. -0.02 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

Instrument :
 BNA_E
 ClientSampleId :
 PB84961BSD

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	15151		
268	58.9	58.5	87.7	
264	68.1	56.0	84.0	

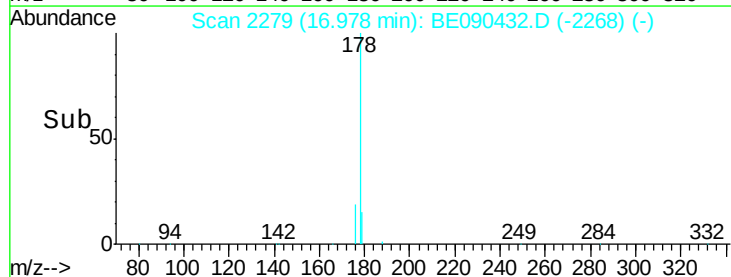
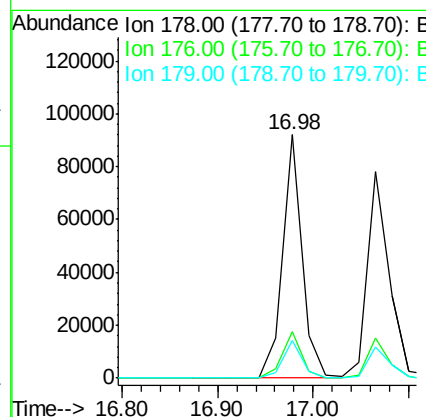
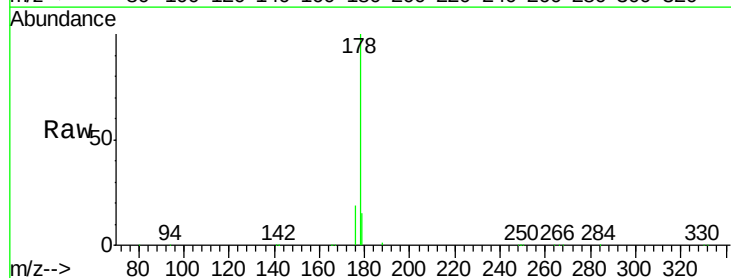
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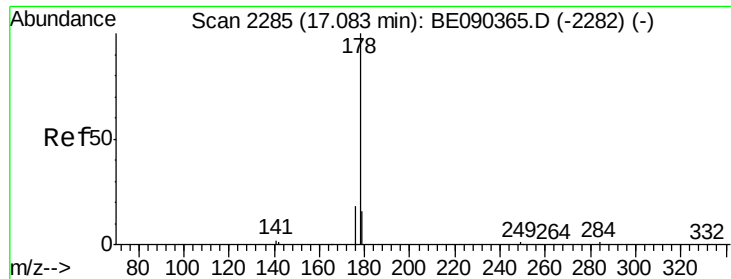
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#22
 Phenanthrene
 Concen: 3.77 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	130960		
176	19.2	15.4	23.2	
179	15.4	12.5	18.7	





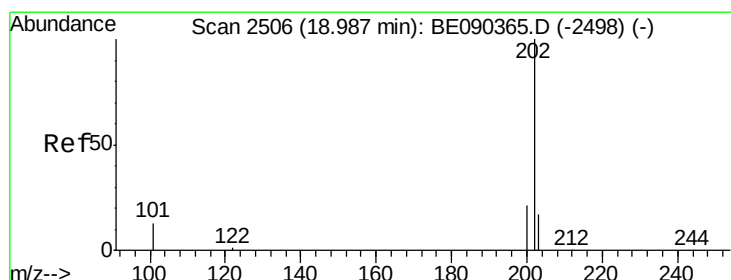
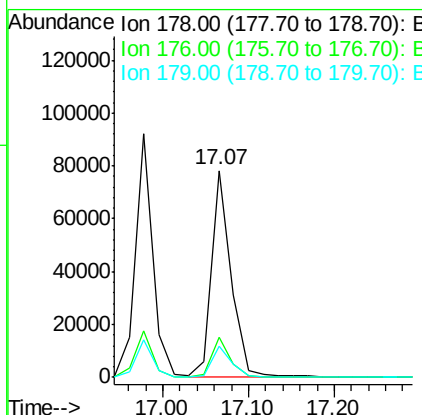
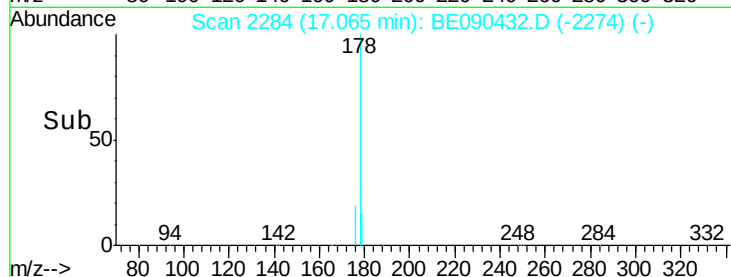
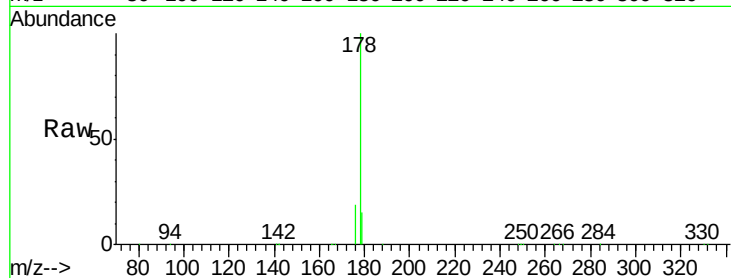
#23
 Anthracene
 Concen: 4.36 ng
 RT: 17.07 min Scan# 2284
 Delta R.T. -0.02 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

Instrument :
 BNA_E
 ClientSampleId :
 PB84961BSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.4	12.2	18.4

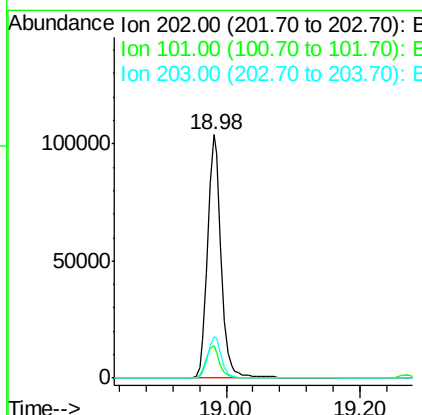
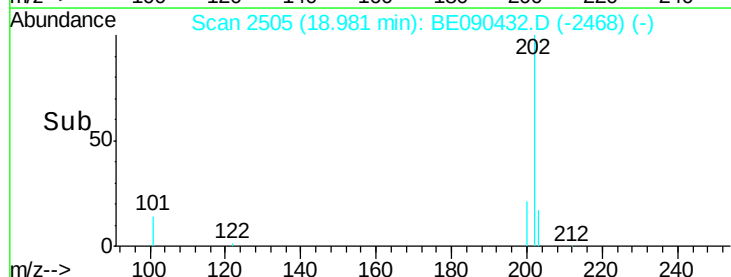
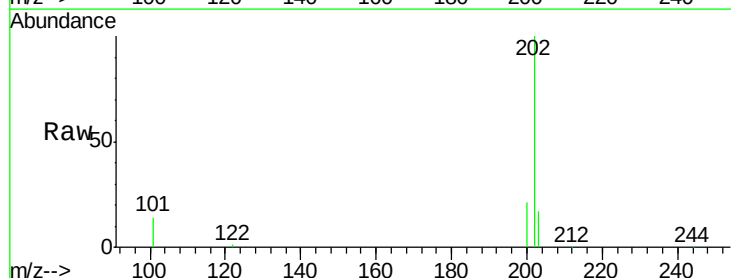
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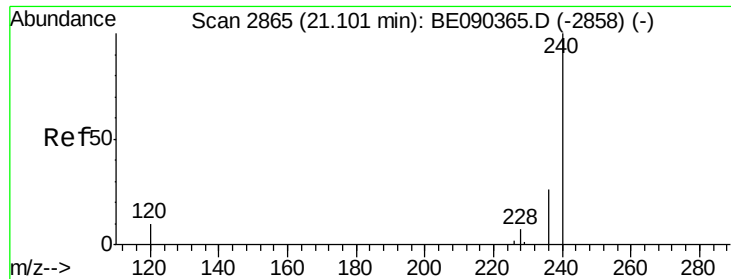
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#24
 Fluoranthene
 Concen: 4.28 ng
 RT: 18.98 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.3	15.5
203	17.1	13.7	20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090432.D

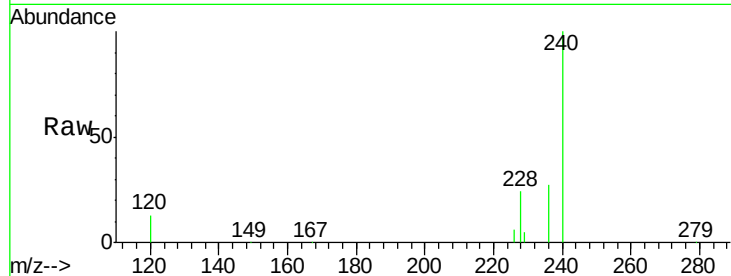
Acq: 11 Aug 2015 17:33

Instrument :

BNA_E

ClientSampleId :

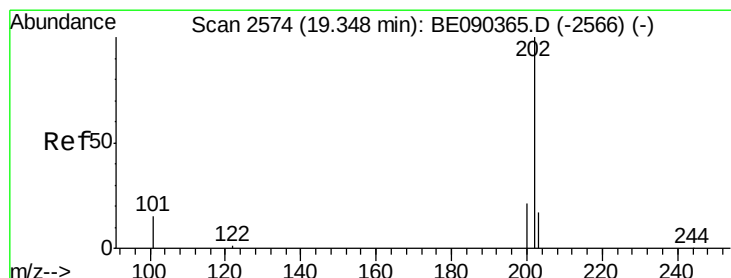
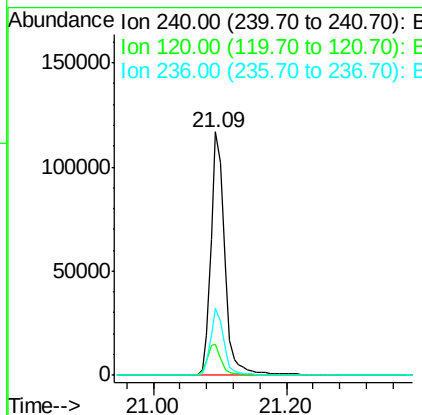
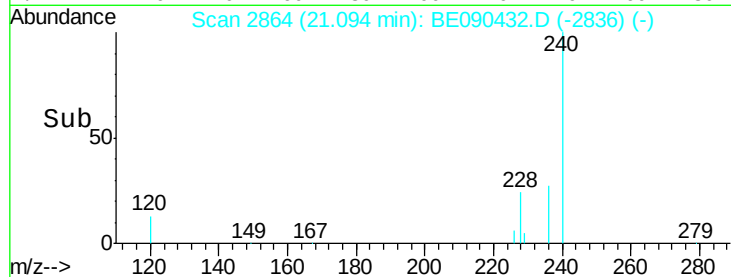
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Tgt Ion:	240	Resp:	165302
Ion Ratio	Lower	Upper	
240	100		
120	12.8	8.3	12.5#
236	27.4	21.0	31.4

Manual Integrations
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#26

Pyrene

Concen: 4.44 ng

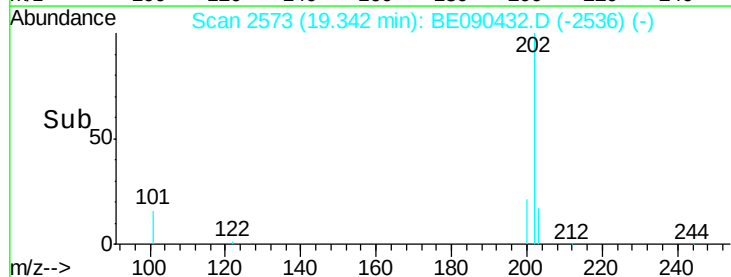
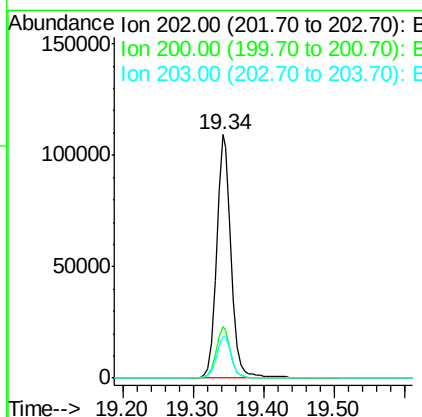
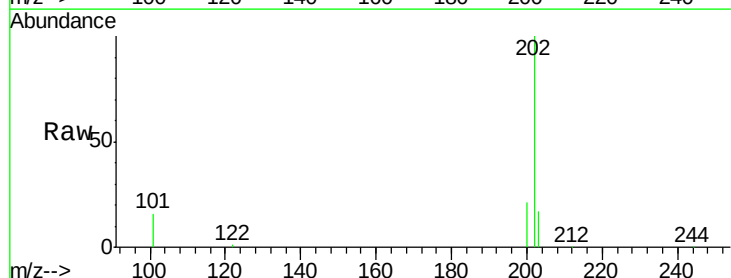
RT: 19.34 min Scan# 2573

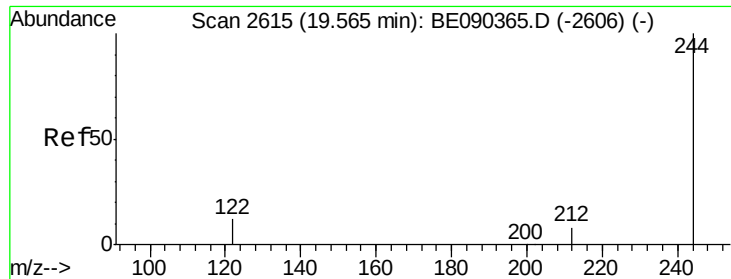
Delta R.T. -0.01 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

Tgt Ion:	202	Resp:	159255
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.7	25.1
203	18.0	13.8	20.8





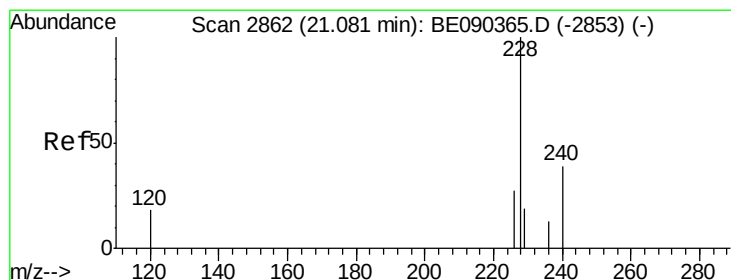
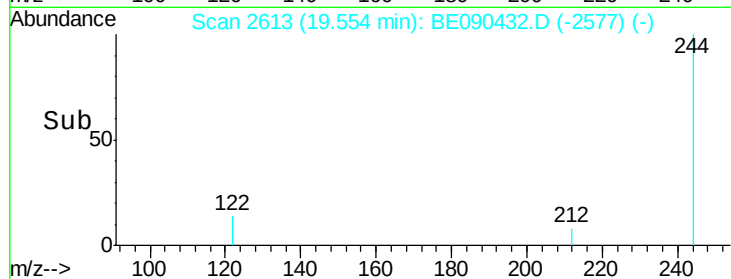
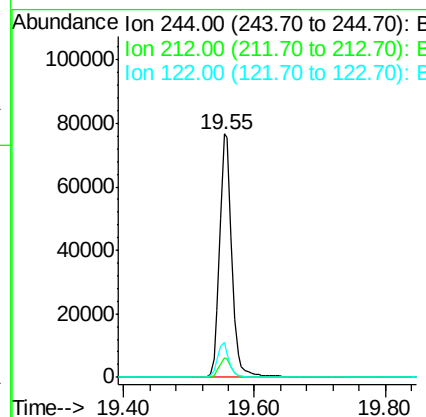
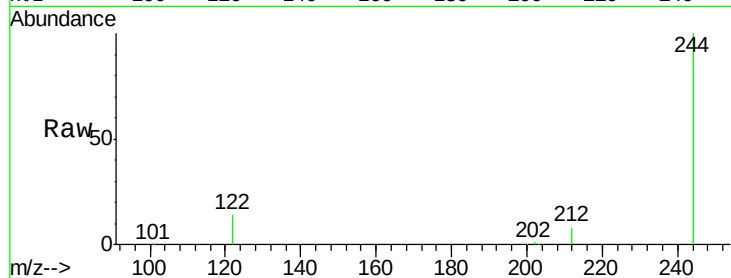
#27
 Terphenyl-d14
 Concen: 4.11 ng
 RT: 19.55 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

Instrument :
 BNA_E
 ClientSampleId :
 PB84961BSD

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.2	6.6	9.8	
122	14.4	10.2	15.4	

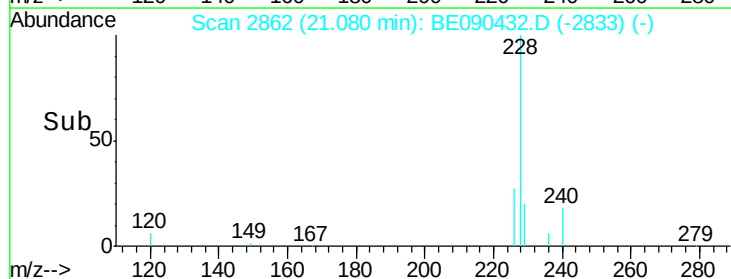
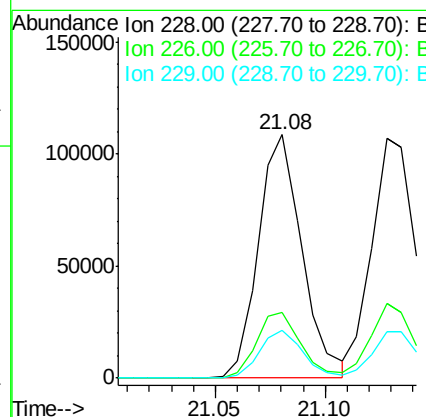
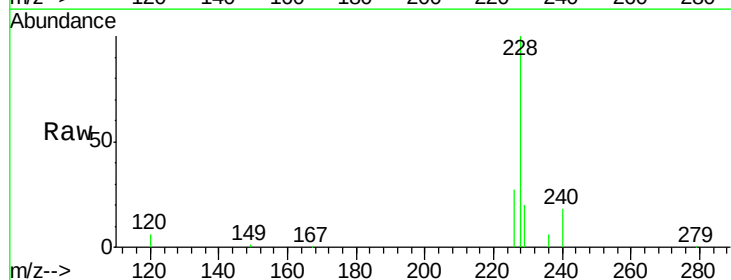
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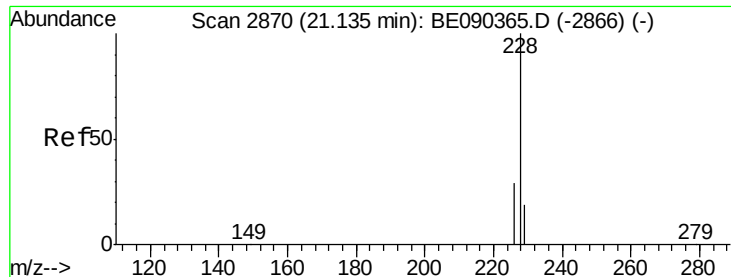
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#28
 Benzo(a)anthracene
 Concen: 4.09 ng
 RT: 21.08 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: BE090432.D
 Acq: 11 Aug 2015 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.0	21.9	32.9	
229	19.8	15.4	23.0	





#29

Chrysene

Concen: 3.69 ng m

RT: 21.13 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

Instrument :

BNA_E

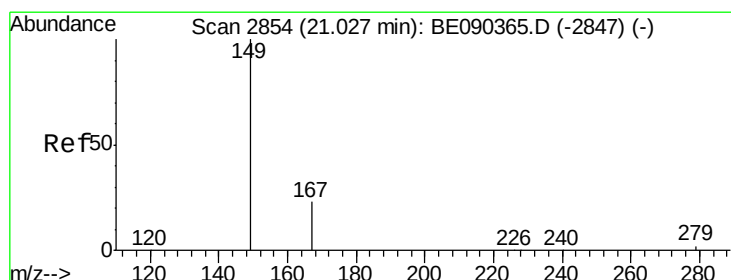
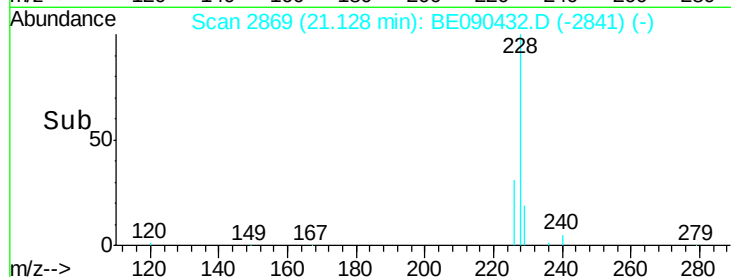
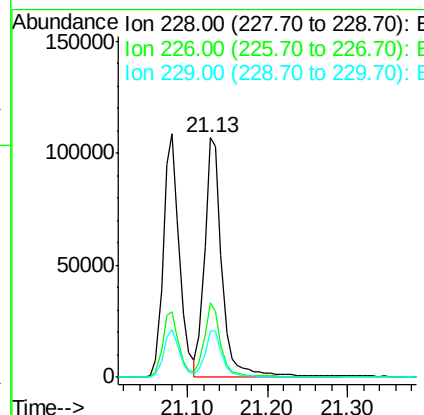
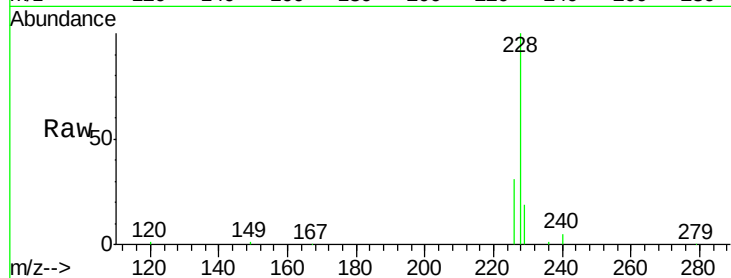
ClientSampleId :

PB84961BSD

Tgt Ion:	228	Resp:	163326
Ion Ratio	Lower	Upper	
228	100		
226	31.2	23.1	34.7
229	19.2	15.8	23.8

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#30

Bis(2-ethylhexyl)phthalate

Concen: 4.50 ng

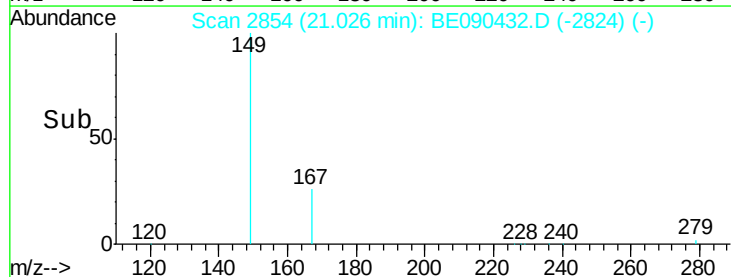
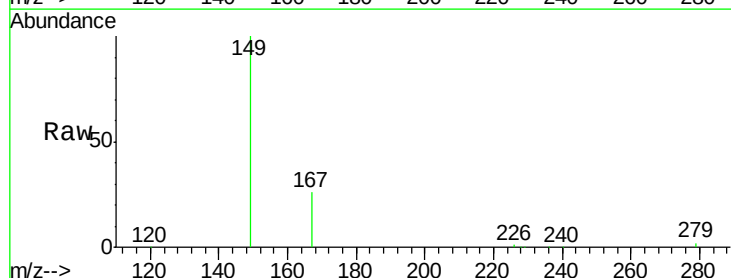
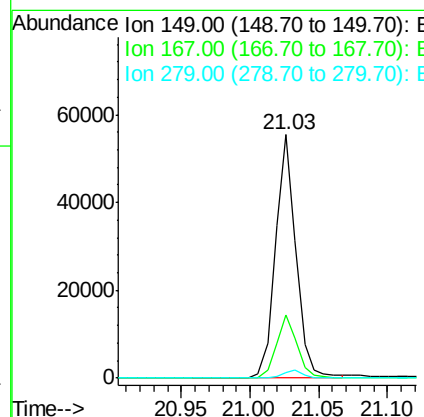
RT: 21.03 min Scan# 2854

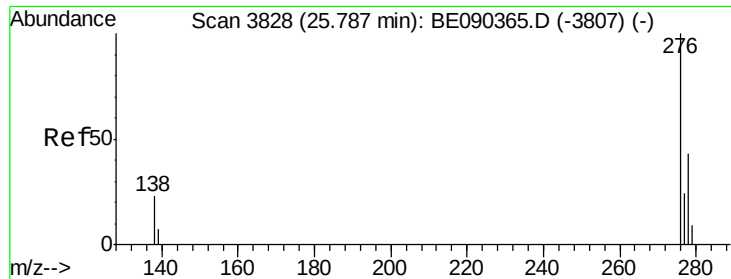
Delta R.T. 0.00 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

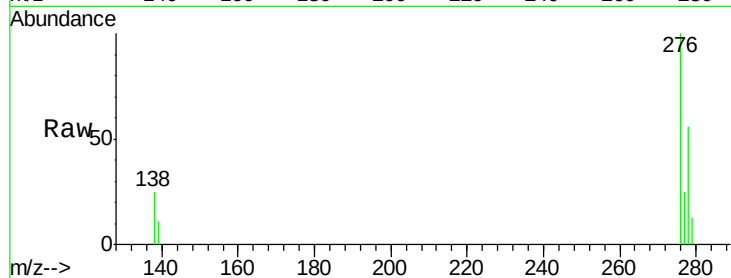
Tgt Ion:	149	Resp:	57276
Ion Ratio	Lower	Upper	
149	100		
167	25.8	19.8	29.8
279	3.1	2.4	3.6





#31
Indeno(1,2,3-cd)pyrene
Concen: 3.42 ng
RT: 25.78 min Scan# 3827
Delta R.T. -0.00 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

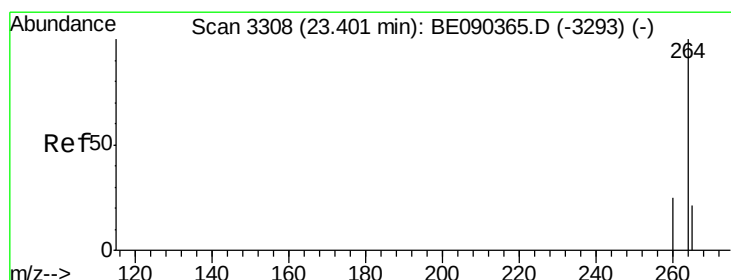
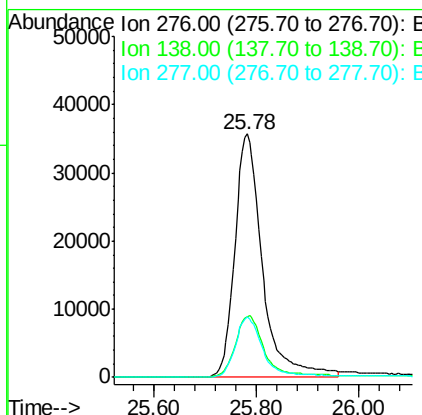
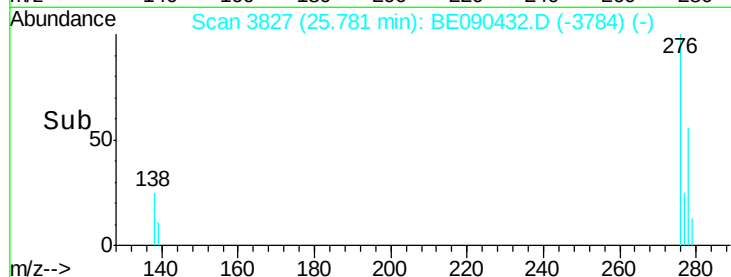
Instrument :
BNA_E
ClientSampleId :
PB84961BSD



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	133511		
138	26.3		18.8	28.2
277	24.8		18.2	27.4

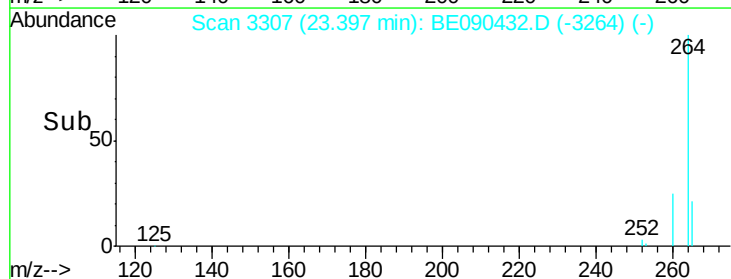
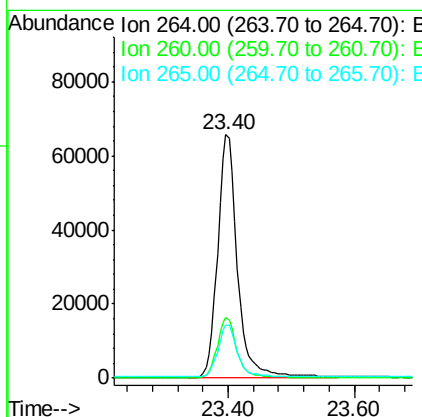
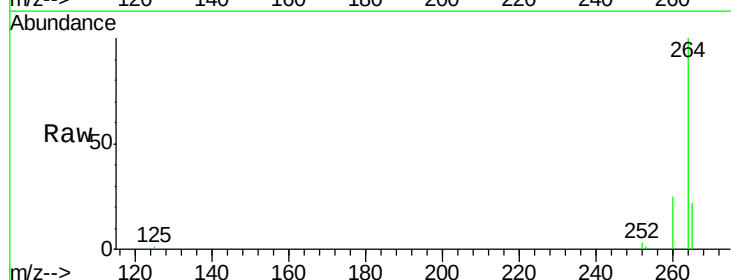
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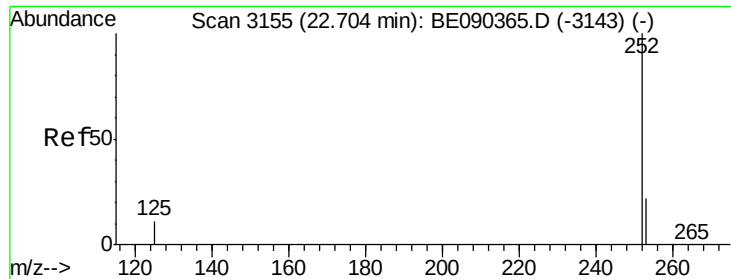
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#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3307
Delta R.T. -0.00 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

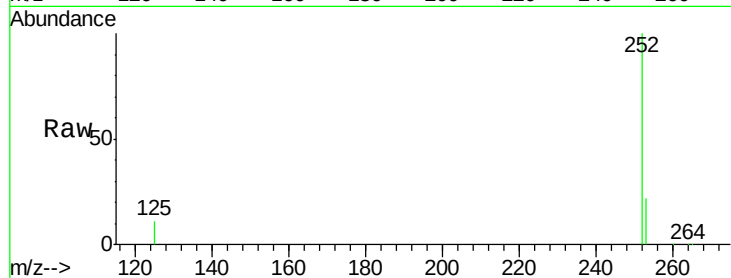
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	144113		
260	25.0		20.1	30.1
265	21.6		17.2	25.8





#33
Benzo(b)fluoranthene
Concen: 3.90 ng
RT: 22.70 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

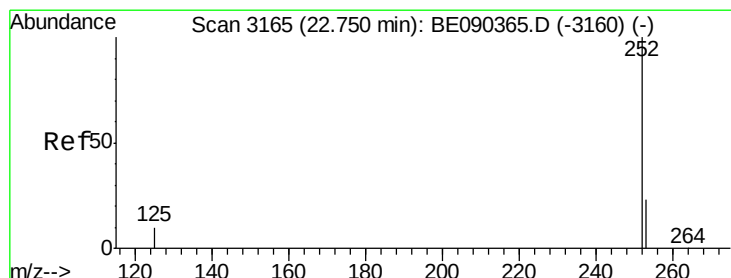
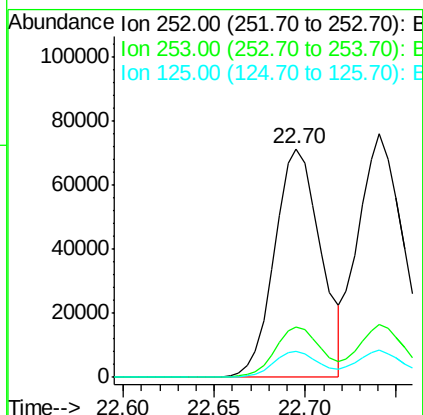
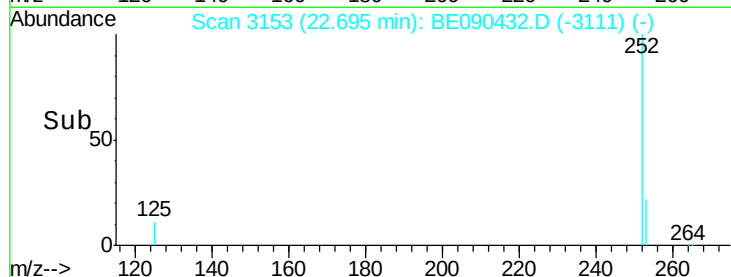
Instrument :
BNA_E
ClientSampleId :
PB84961BSD



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	11.1	9.4	14.2

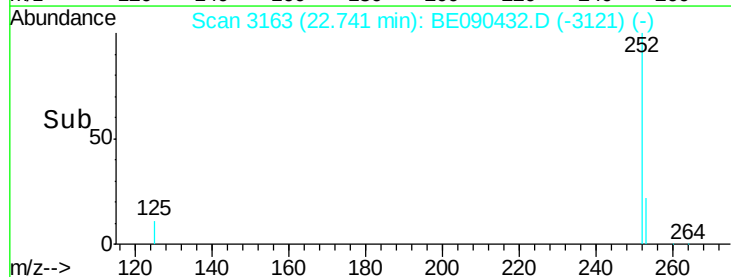
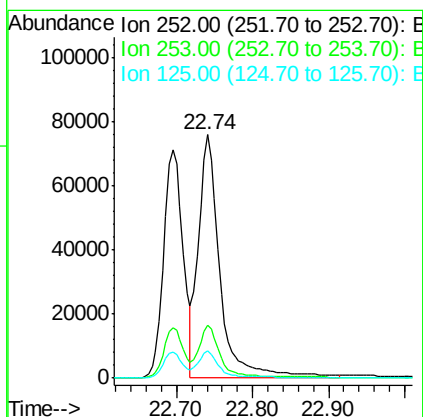
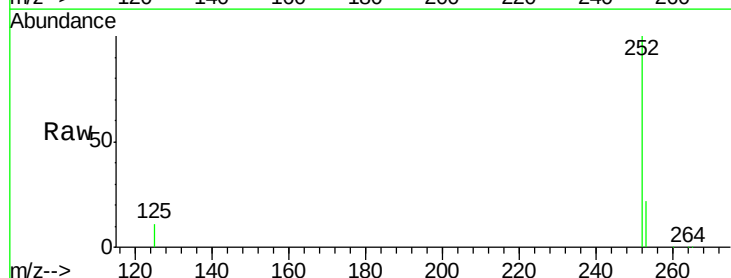
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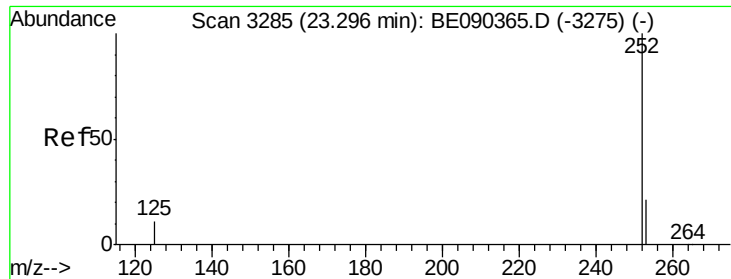
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#34
Benzo(k)fluoranthene
Concen: 3.76 ng m
RT: 22.74 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

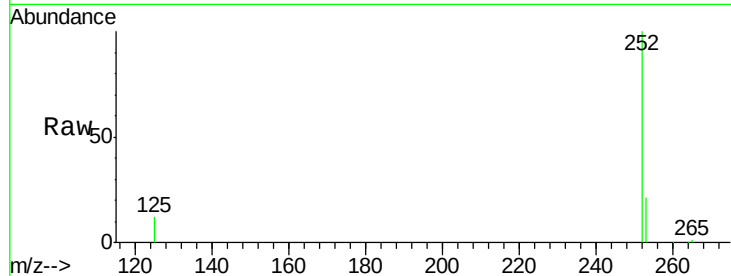
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	11.2	9.1	13.7





#35
Benzo(a)pyrene
Concen: 3.86 ng
RT: 23.29 min Scan# 3284
Delta R.T. -0.00 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

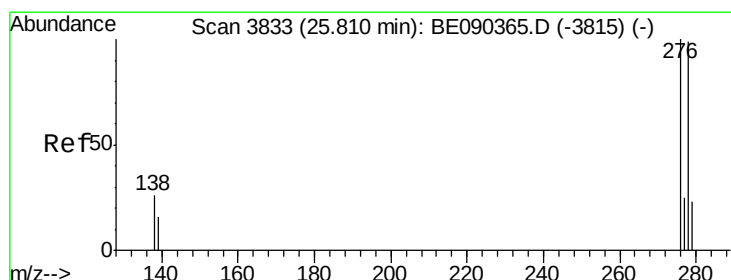
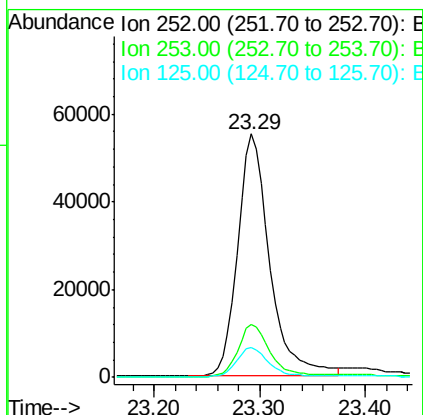
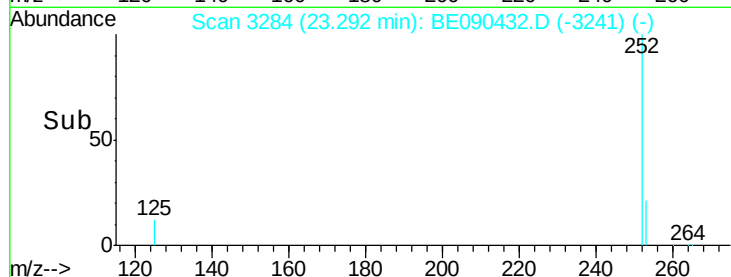
Instrument :
BNA_E
ClientSampleId :
PB84961BSD



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	12.3	9.8	14.6

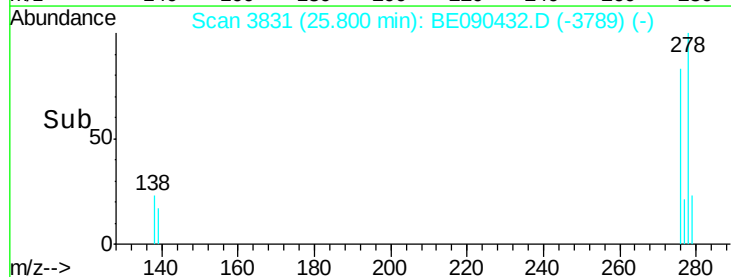
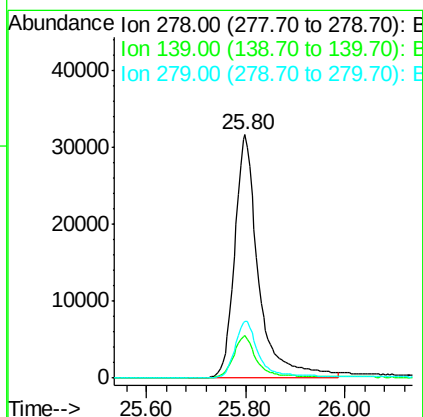
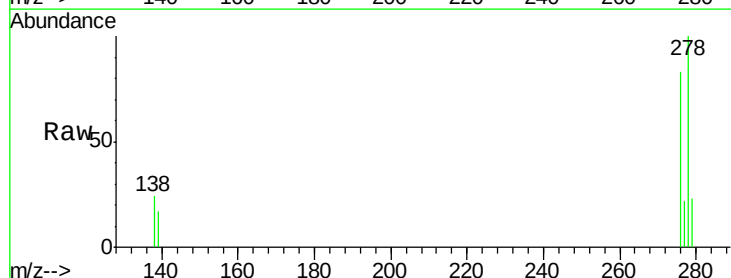
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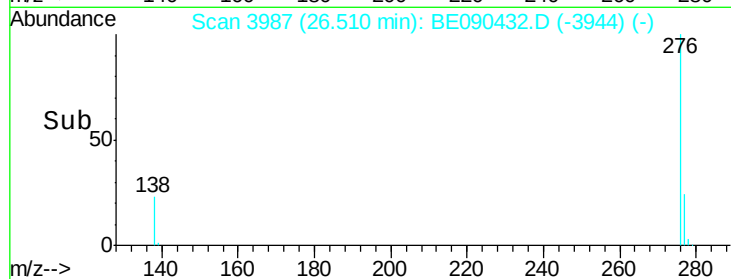
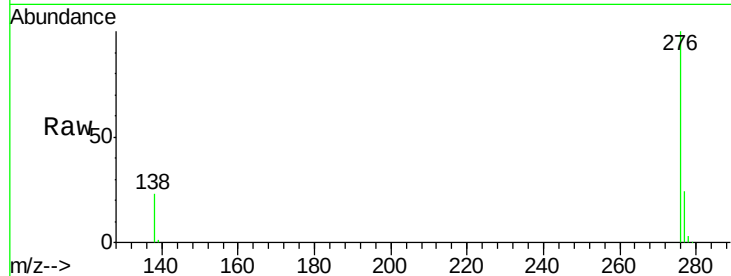
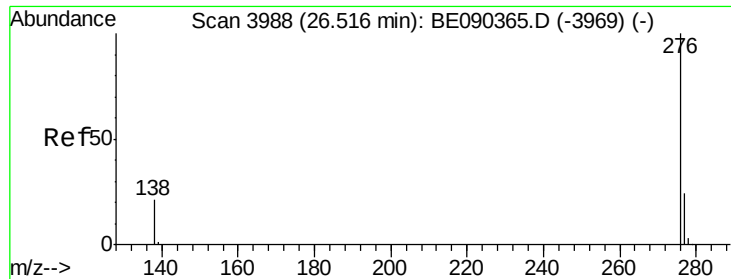
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#36
Dibenzo(a,h)anthracene
Concen: 3.60 ng
RT: 25.80 min Scan# 3831
Delta R.T. -0.01 min
Lab File: BE090432.D
Acq: 11 Aug 2015 17:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.2	21.4
279	23.2	20.1	30.1





#37

Benzo(g,h,i)perylene

Concen: 4.42 ng

RT: 26.51 min Scan# 3987

Delta R.T. -0.01 min

Lab File: BE090432.D

Acq: 11 Aug 2015 17:33

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		117589		
277	23.8	20.1	30.1		
138	23.0	18.1	27.1		

Instrument :

BNA_E

ClientSampleId :

PB84961BSD

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