

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089816.D
 Acq On : 24 Mar 2015 15:31
 Operator : TP/JJ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Manual Integrations
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mohammad
 3/25/2015 5:43:30 PM

Quant Time: Mar 24 16:15:01 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 24 15:17:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	145031	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	612960	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	318338	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	529492	5.00	ng	0.00
19) Chrysene-d12	24.26	240	420354	5.00	ng	0.00
25) Perylene-d12	27.41	264	350352	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	61908	1.94	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	140435	1.90	ng	0.00
21) Terphenyl-d14	21.86	244	116250	1.84	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.49	88	38097	1.83	ng	96
3) n-Nitrosodimethylamine	2.91	42	57510	2.21	ng	# 95
6) Naphthalene	10.31	128	224752	1.80	ng	96
7) 2-Methylnaphthalene	11.93	142	140559	2.17	ng	98
10) Acenaphthylene	14.04	152	857197	1.92	ng	98
11) Acenaphthene	14.46	154	126527	1.79	ng	86
12) Fluorene	15.71	166	154129	1.81	ng	94
14) Hexachlorobenzene	16.98	284	31436	1.74	ng	99
15) Pentachlorophenol	17.50	266	7384	0.06	ng	98
16) Phenanthrene	17.97	178	207207	1.74	ng	99
17) Anthracene	18.10	178	192260	1.89	ng	100
18) Fluoranthene	20.82	202	190182	1.90	ng	98
20) Pyrene	21.34	202	195264	1.76	ng	98
22) Benzo(a)anthracene	24.24	228	143423	1.88	ng	97
23) Chrysene	24.32	228	158102	1.84	ng	99
24) Indeno(1,2,3-cd)pyrene	29.38	276	96890m	2.84	ng	
26) Benzo(b)fluoranthene	26.64	252	102848	2.35	ng	# 98
27) Benzo(k)fluoranthene	26.70	252	143942m	2.17	ng	
28) Benzo(a)pyrene	27.30	252	98389	2.40	ng	# 88
29) Dibenzo(a,h)anthracene	29.44	278	85121	3.67	ng	# 79
30) Benzo(g,h,i)perylene	29.83	276	111914	2.52	ng	# 85

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

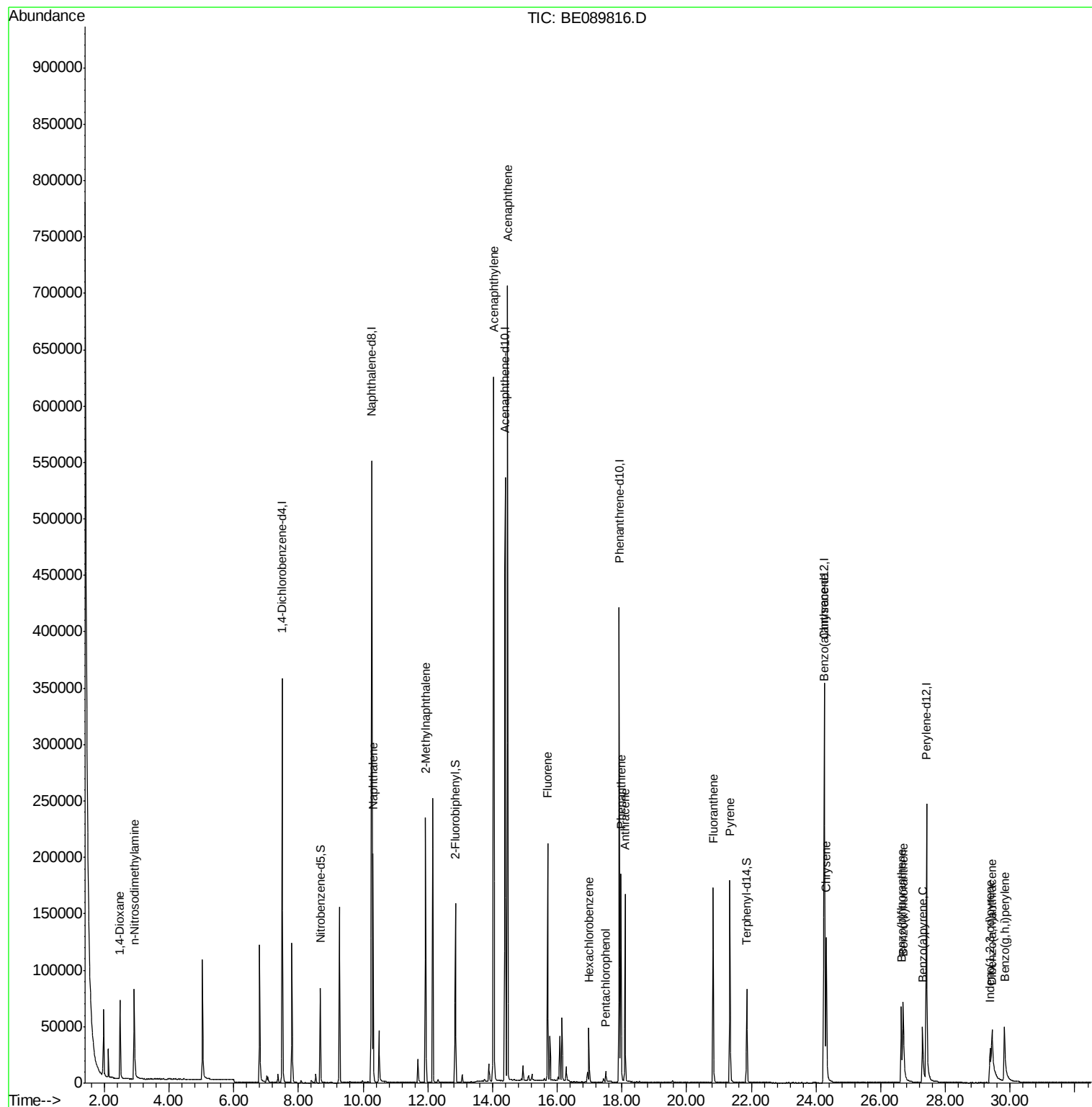
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089816.D
Acq On : 24 Mar 2015 15:31
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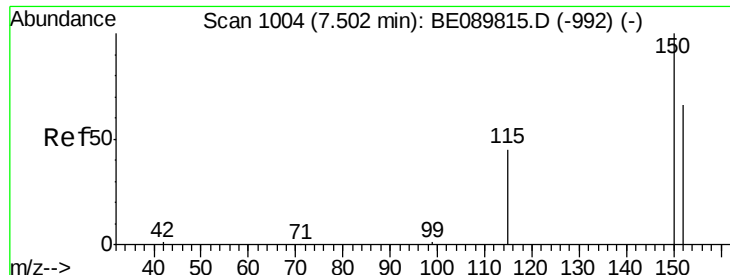
Instrument :
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SSTDICC002

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089816.D

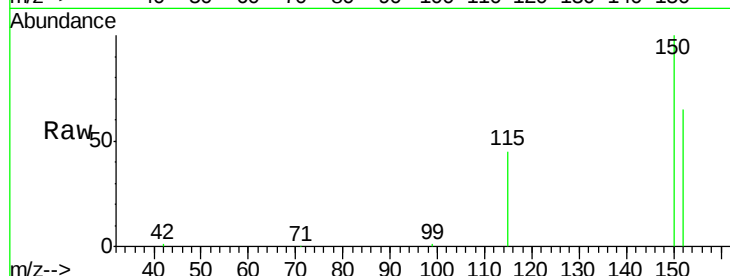
Acq: 24 Mar 2015 15:31

Instrument :

BNA_E

ClientSampleId :

SSTDICC002



Tgt Ion: 152 Resp: 145031

Ion Ratio Lower Upper

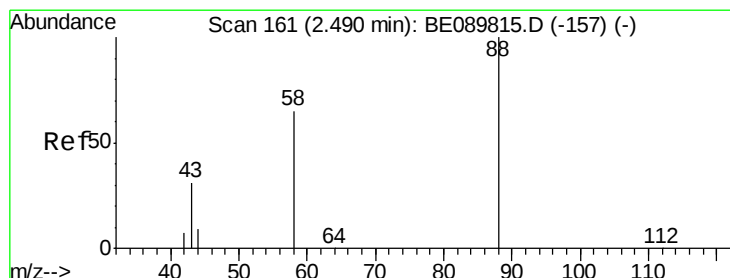
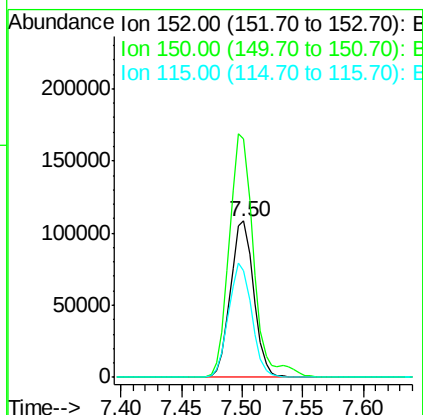
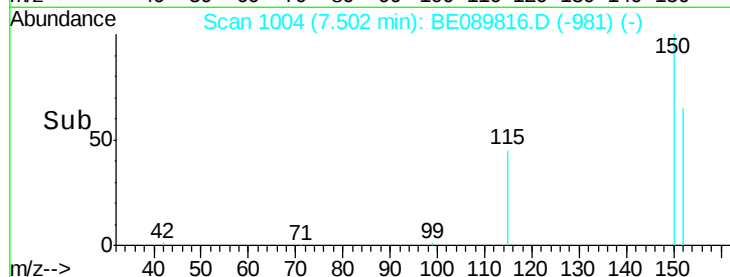
152 100

150 153.0 125.5 188.3

115 68.4 58.0 87.0

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#2

1,4-Dioxane

Concen: 1.83 ng

RT: 2.49 min Scan# 161

Delta R.T. -0.03 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

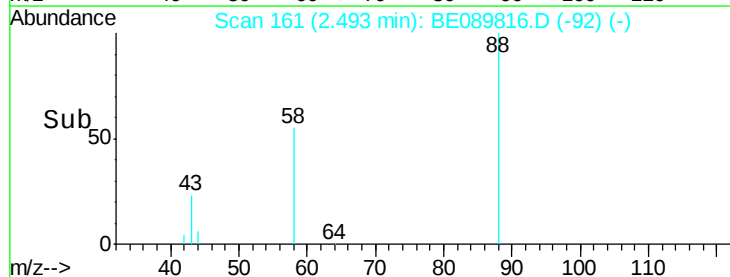
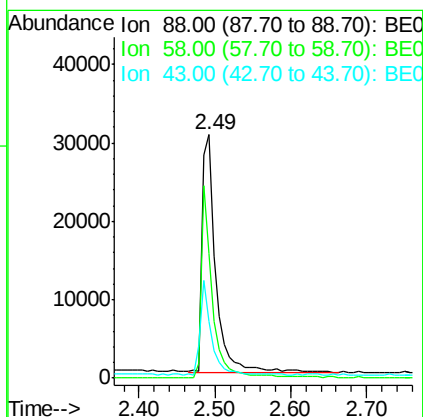
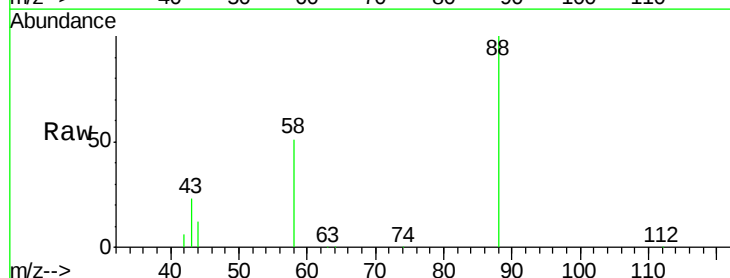
Tgt Ion: 88 Resp: 38097

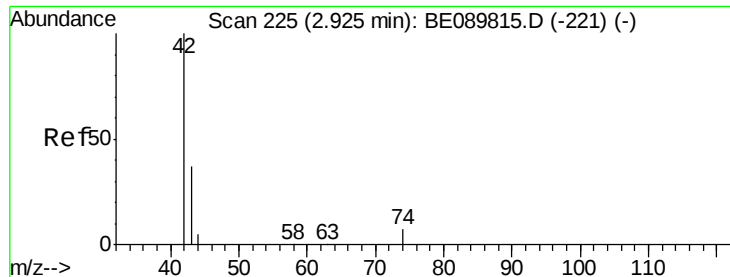
Ion Ratio Lower Upper

88 100

58 63.4 48.6 72.8

43 32.4 28.6 43.0





#3

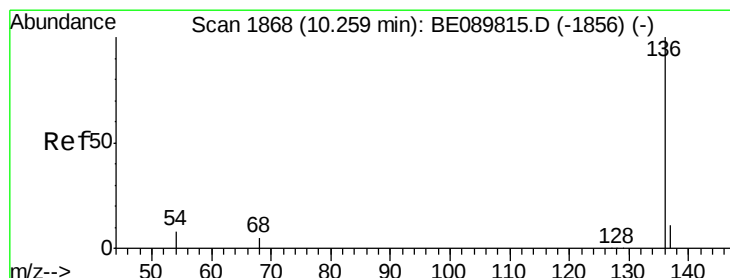
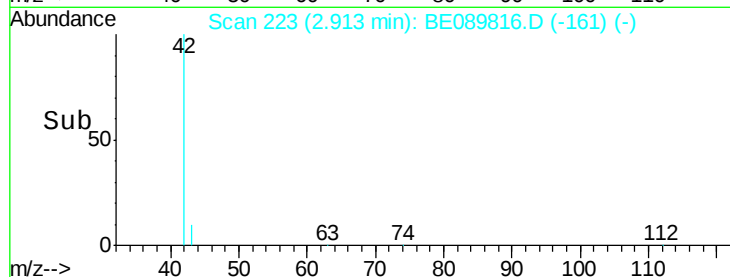
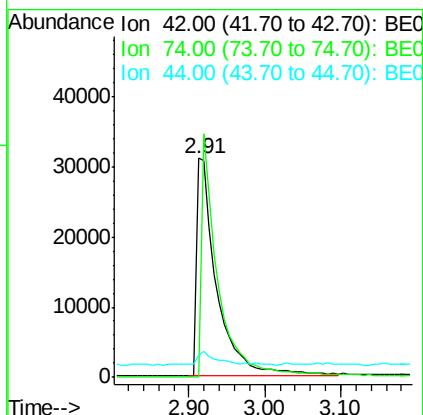
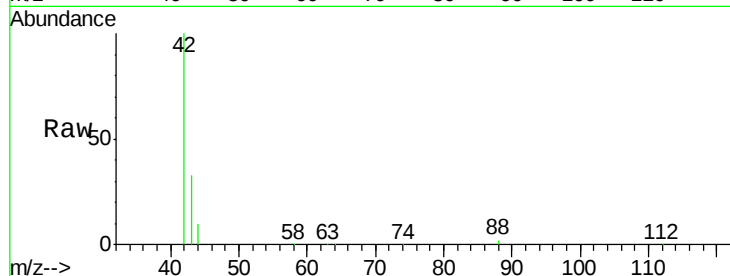
n-Nitrosodimethylamine
Concen: 2.21 ng
RT: 2.91 min Scan# 223
Delta R.T. -0.08 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
42	100		
74	90.9	68.7	103.1
44	6.0	6.2	9.4

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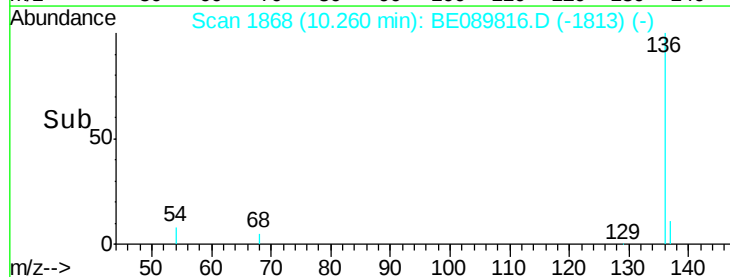
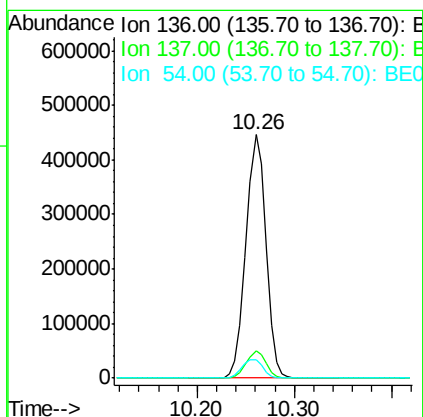
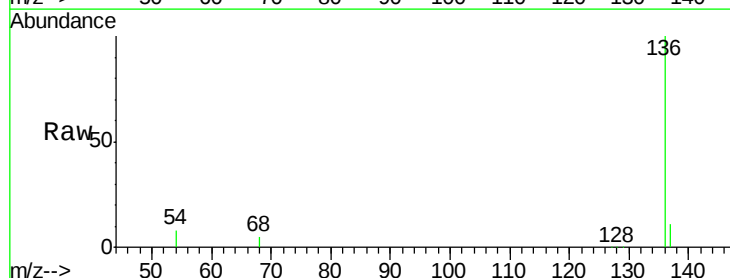
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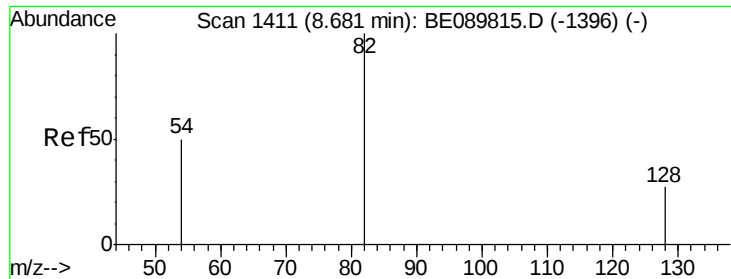


#4

Naphthalene-d8
Concen: 5.00 ng
RT: 10.26 min Scan# 1868
Delta R.T. 0.00 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.8	7.0	10.4





#5

Nitrobenzene-d5

Concen: 1.94 ng

RT: 8.68 min Scan# 1410

Delta R.T. -0.00 min

Lab File: BE089816.D

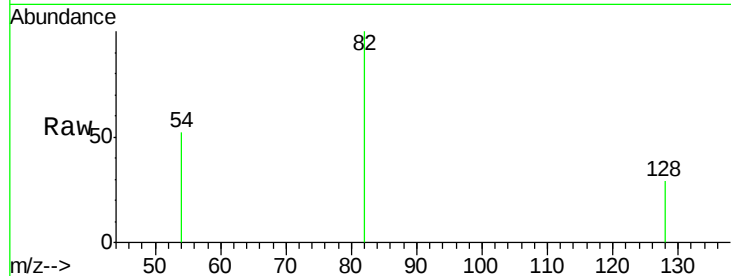
Acq: 24 Mar 2015 15:31

Instrument :

BNA_E

ClientSampleId :

SSTDICC002



Tgt Ion: 82 Resp: 61908

Ion Ratio Lower Upper

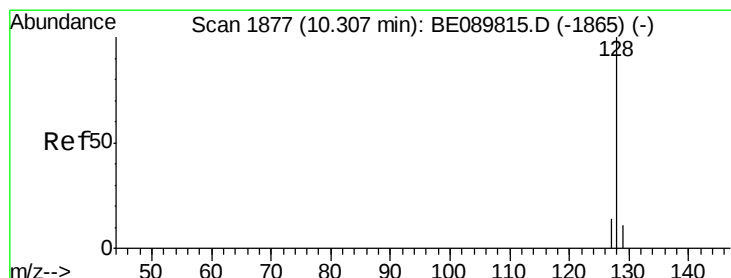
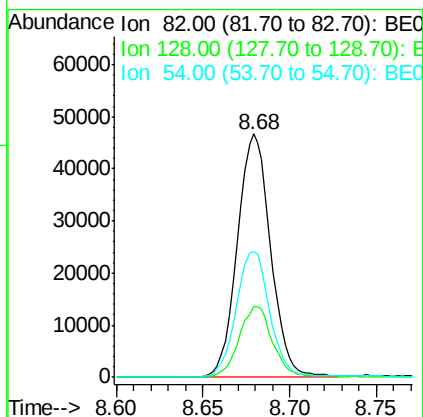
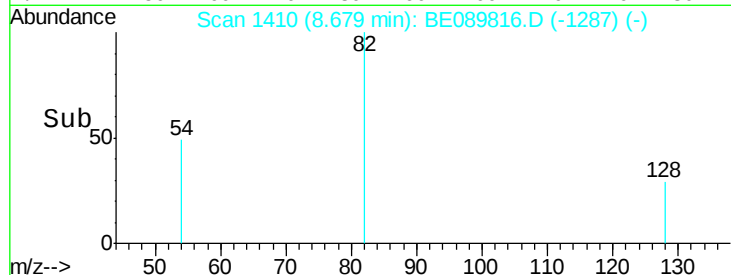
82 100

128 28.9 24.6 37.0

54 51.9 43.0 64.6

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#6

Naphthalene

Concen: 1.80 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

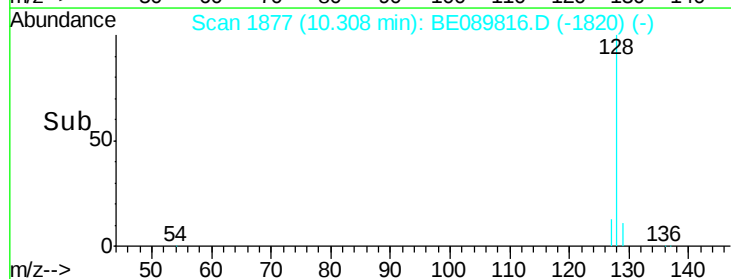
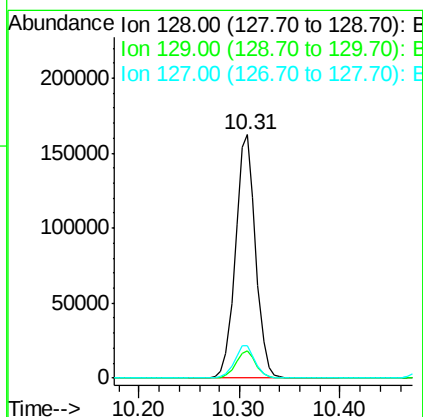
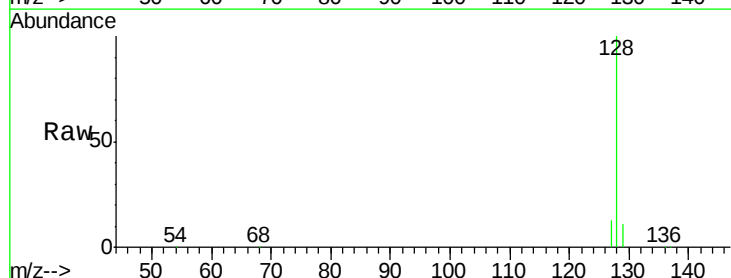
Tgt Ion: 128 Resp: 224752

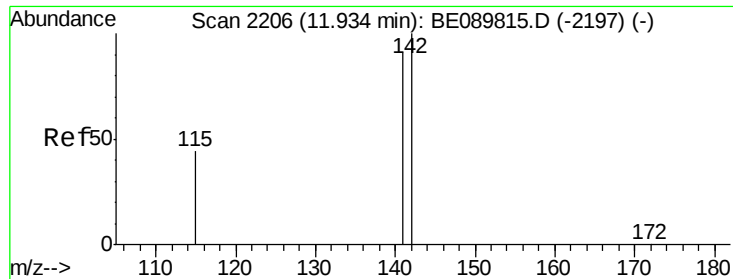
Ion Ratio Lower Upper

128 100

129 11.2 10.0 15.0

127 13.3 12.5 18.7





#7

2-Methylnaphthalene

Concen: 2.17 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Instrument :

BNA_E

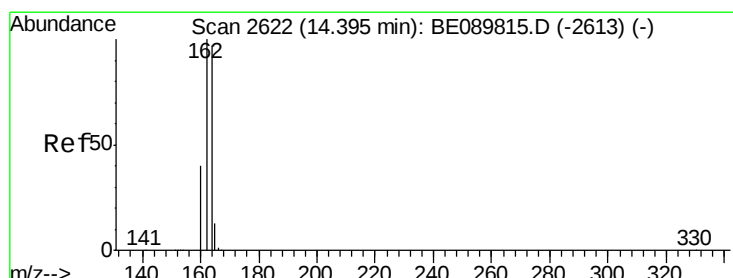
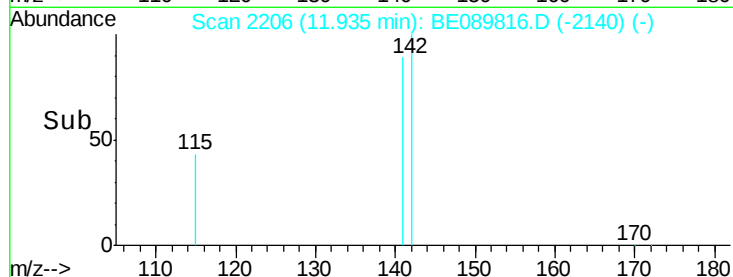
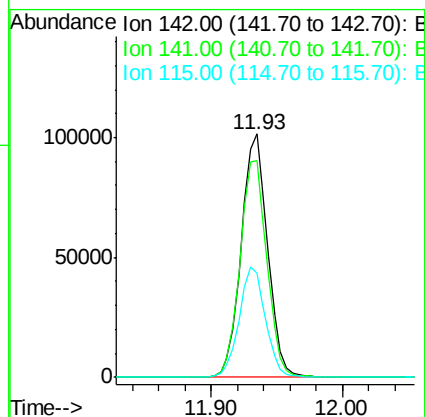
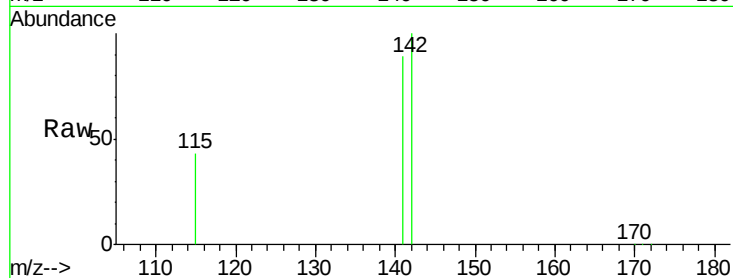
ClientSampleId :

SSTDICC002

Tgt Ion:	142	Resp:	140559
Ion Ratio	Lower	Upper	
142	100		
141	88.9	72.8	109.2
115	42.8	32.9	49.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

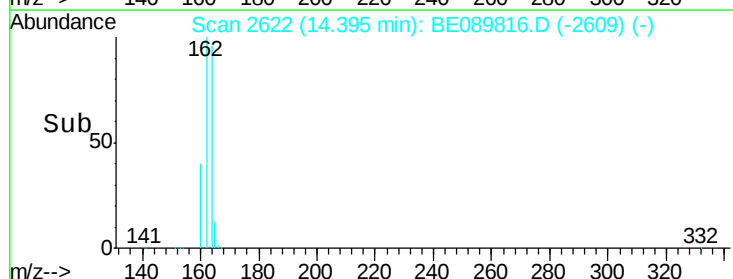
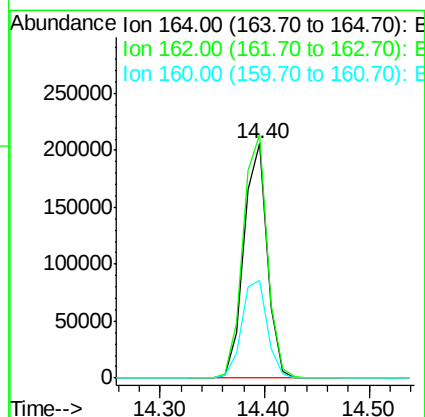
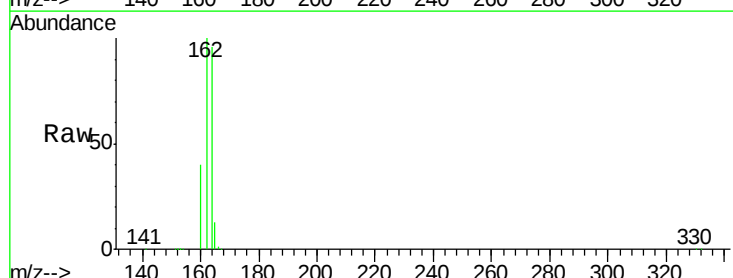
RT: 14.40 min Scan# 2622

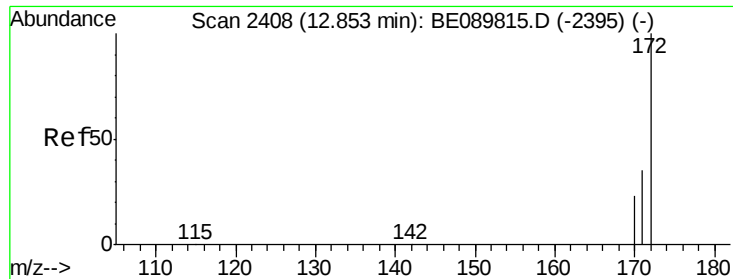
Delta R.T. 0.01 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Tgt Ion:	164	Resp:	318338
Ion Ratio	Lower	Upper	
164	100		
162	104.0	87.6	131.4
160	42.0	36.7	55.1





#9

2-Fluorobiphenyl

Concen: 1.90 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Instrument :

BNA_E

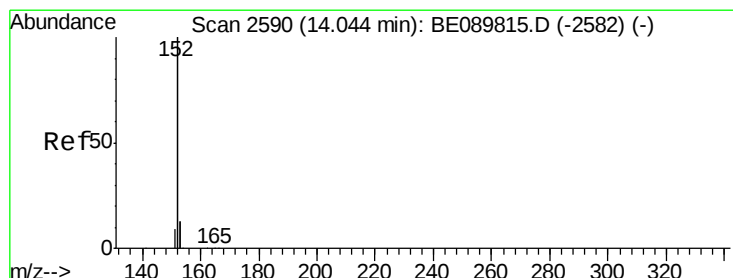
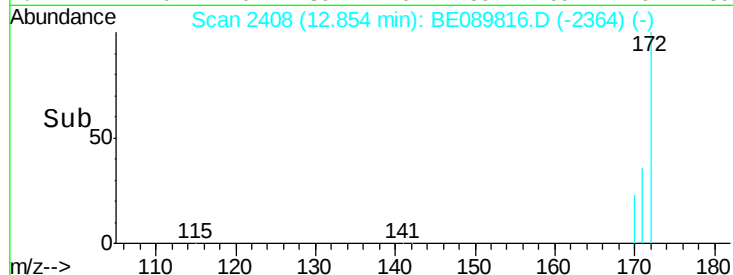
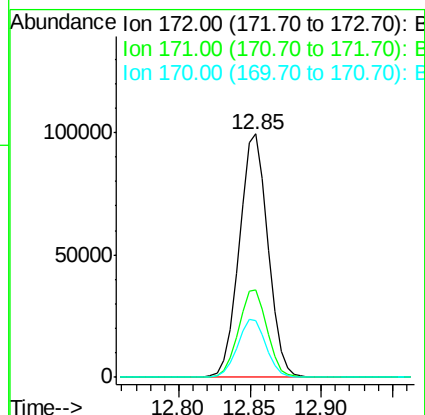
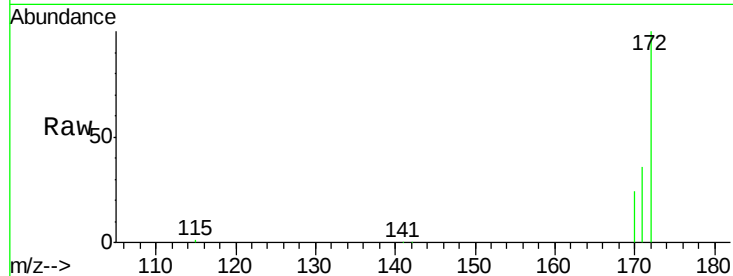
ClientSampleId :

SSTDIC002

Tgt Ion:	172	Resp:	140435
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.8	46.2
170	23.5	21.0	31.4

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#10

Acenaphthylene

Concen: 1.92 ng

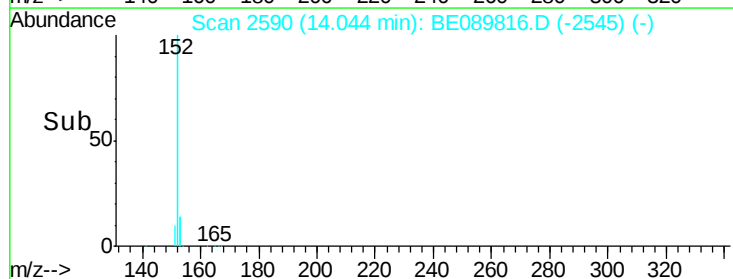
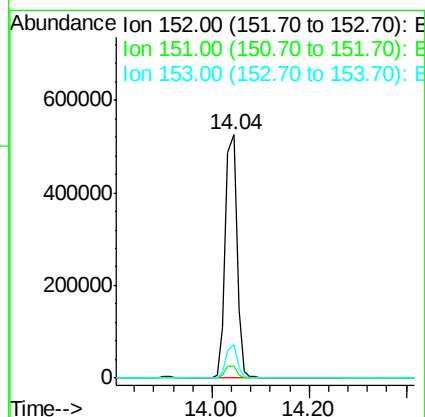
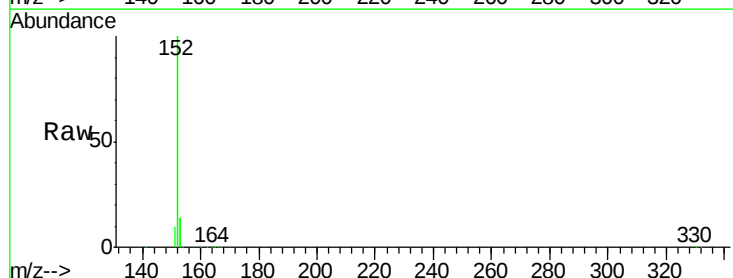
RT: 14.04 min Scan# 2590

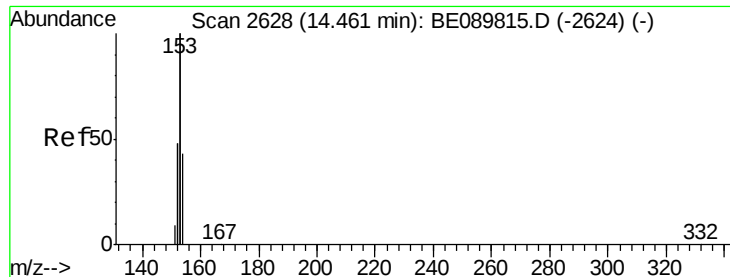
Delta R.T. -0.00 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Tgt Ion:	152	Resp:	857197
Ion Ratio	Lower	Upper	
152	100		
151	5.1	3.9	5.9
153	12.9	11.0	16.4





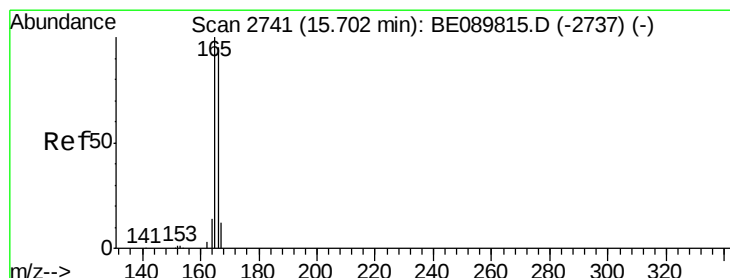
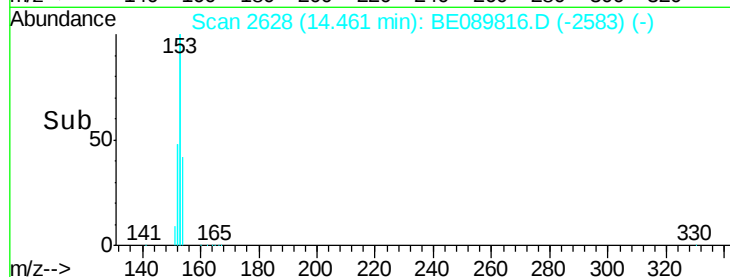
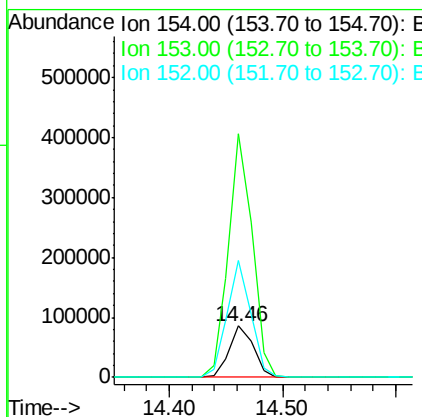
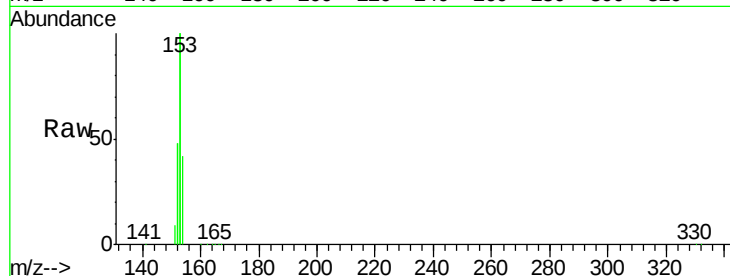
#11
Acenaphthene
Concen: 1.79 ng
RT: 14.46 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
154	100		
153	464.2	401.5	602.3
152	220.8	198.6	298.0

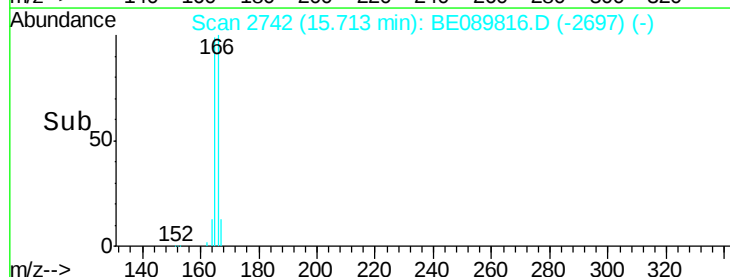
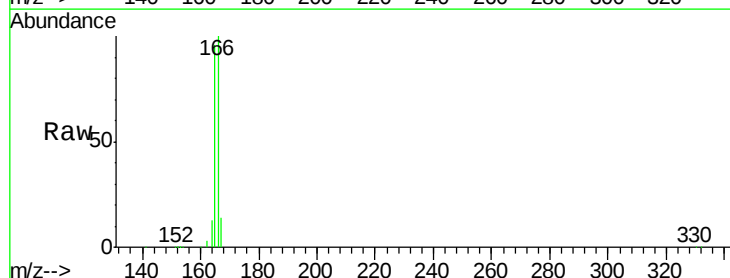
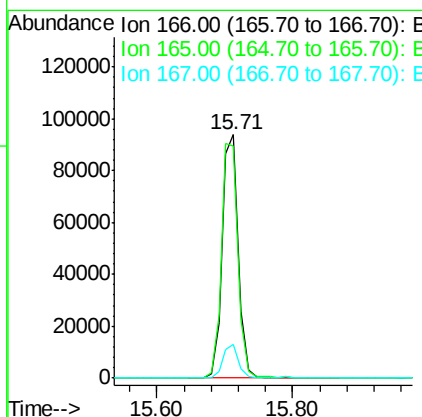
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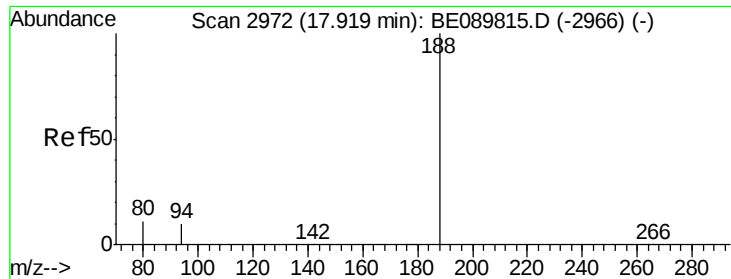
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#12
Fluorene
Concen: 1.81 ng
RT: 15.71 min Scan# 2742
Delta R.T. -0.00 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	85.1	127.7
167	13.1	12.2	18.4





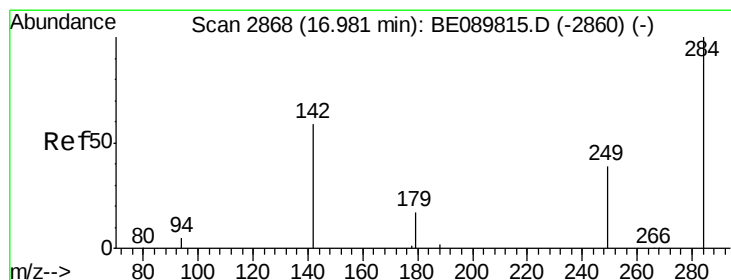
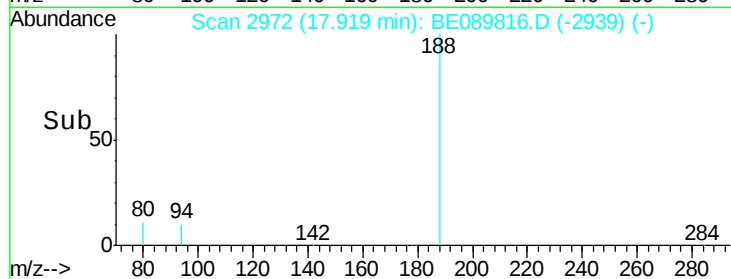
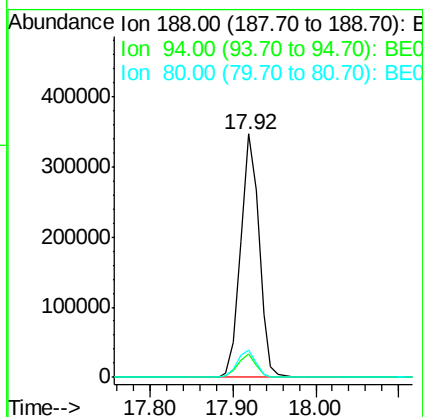
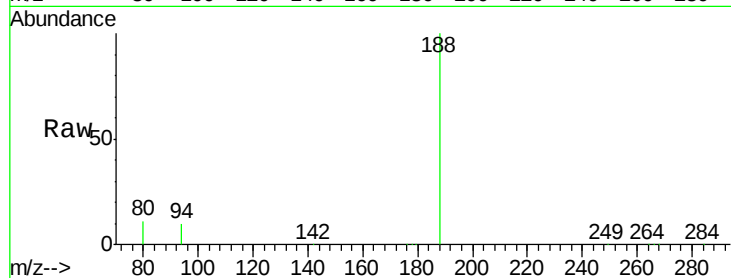
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.6	8.5	12.7
80	11.3	10.0	15.0

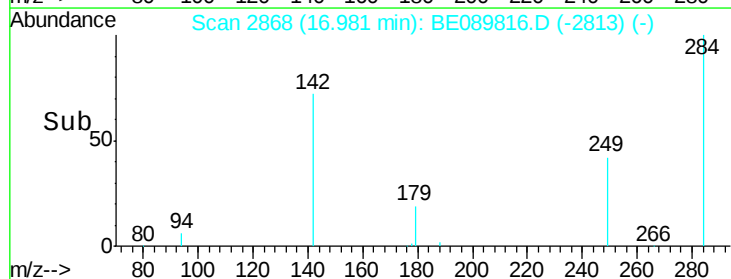
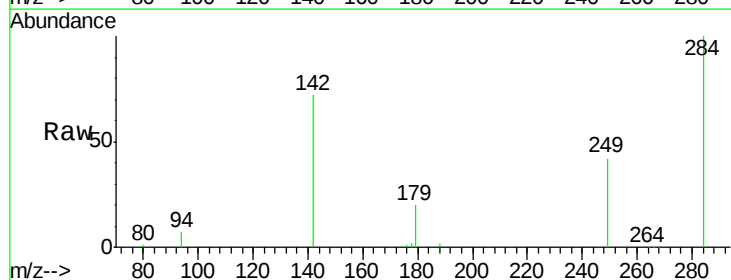
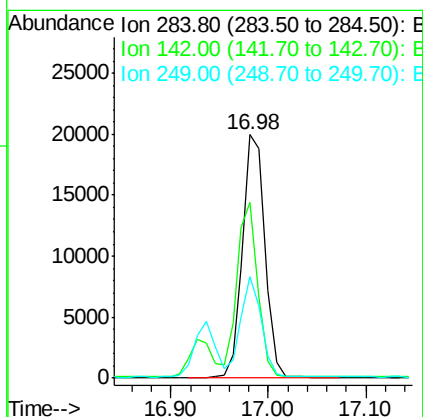
Manual Integrations
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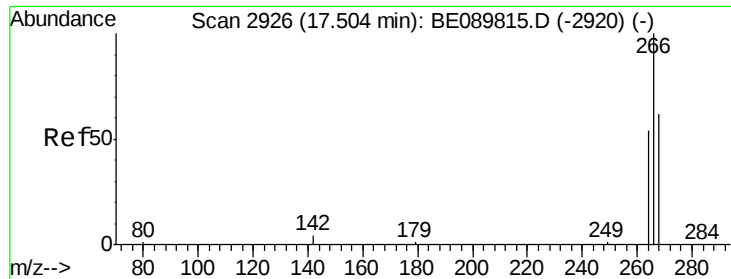
mohammad
3/25/2015 5:43:30 PM



#14
Hexachlorobenzene
Concen: 1.74 ng
RT: 16.98 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	67.2	53.3	79.9
249	38.6	31.1	46.7





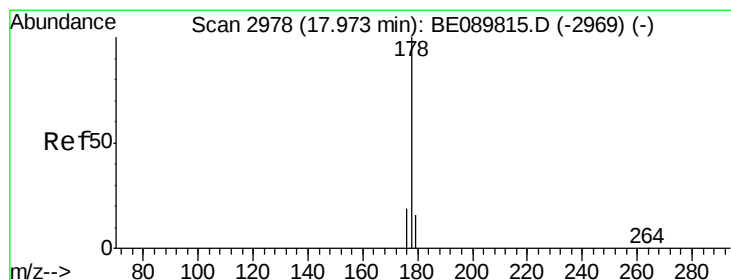
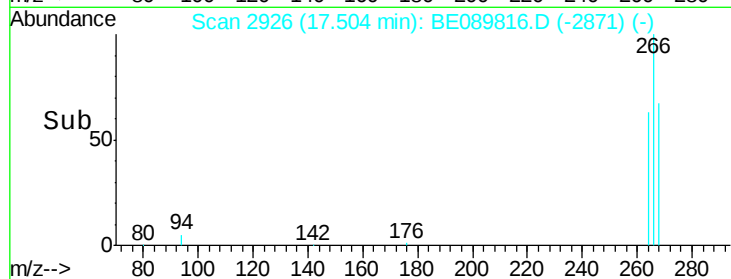
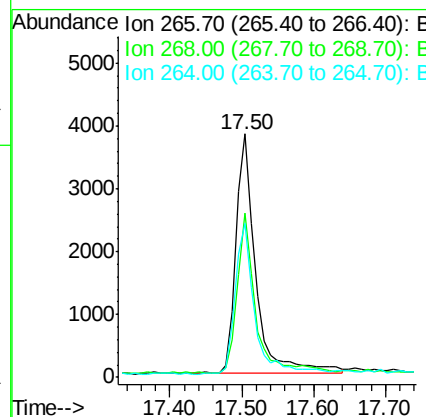
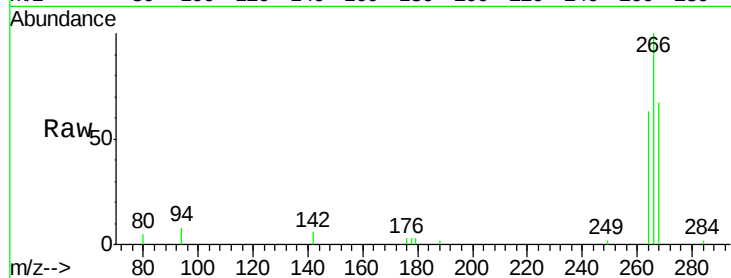
#15
 Pentachlorophenol
 Concen: 0.06 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. -0.00 min
 Lab File: BE089816.D
 Acq: 24 Mar 2015 15:31

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.2	51.6	77.4
264	63.1	50.2	75.2

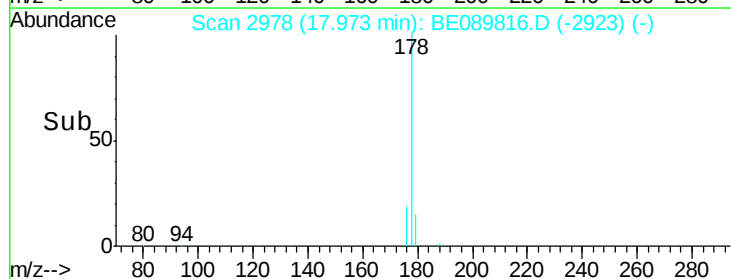
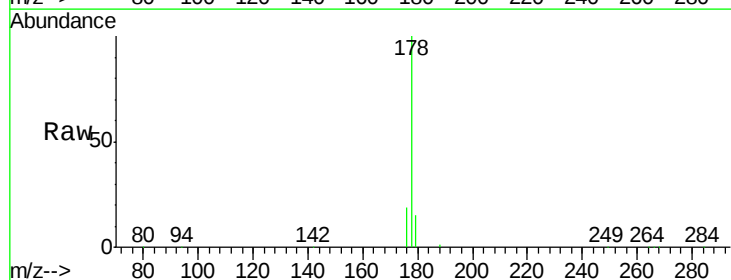
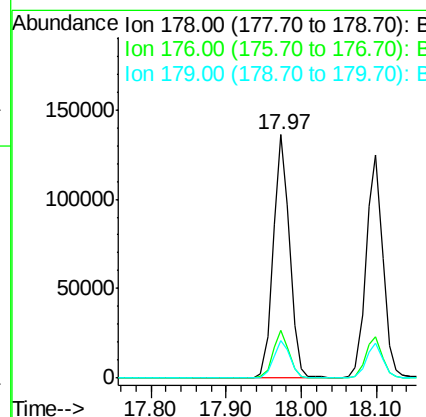
Manual Integrations
 APPROVED

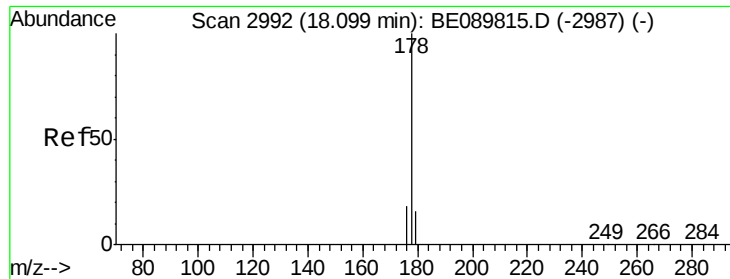
mohammad
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#16
 Phenanthrene
 Concen: 1.74 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089816.D
 Acq: 24 Mar 2015 15:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.7	12.2	18.4





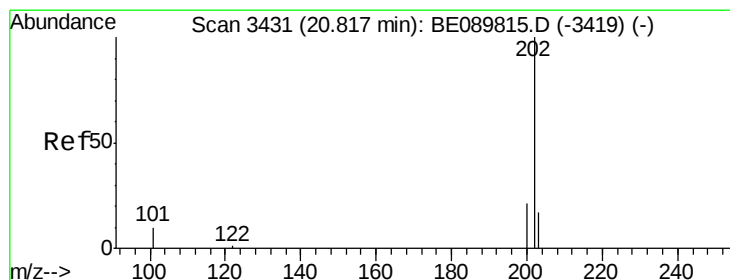
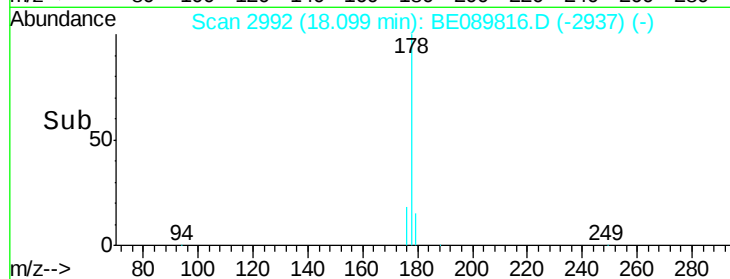
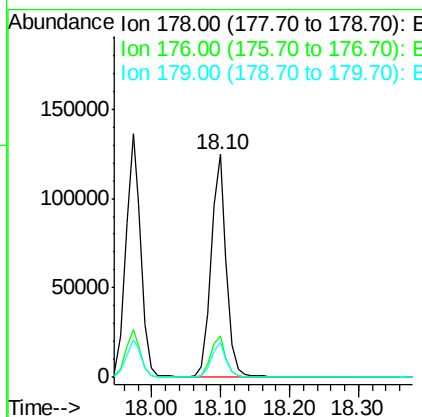
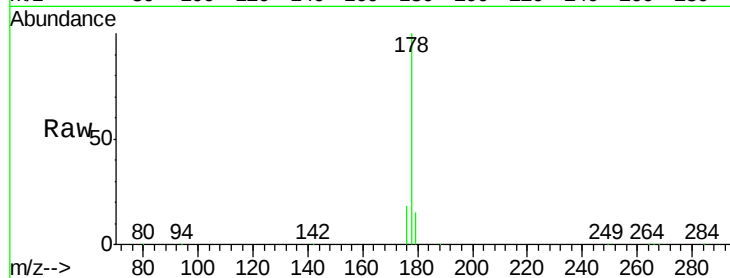
#17
 Anthracene
 Concen: 1.89 ng
 RT: 18.10 min Scan# 2992
 Delta R.T. -0.00 min
 Lab File: BE089816.D
 Acq: 24 Mar 2015 15:31

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.1	12.1	18.1

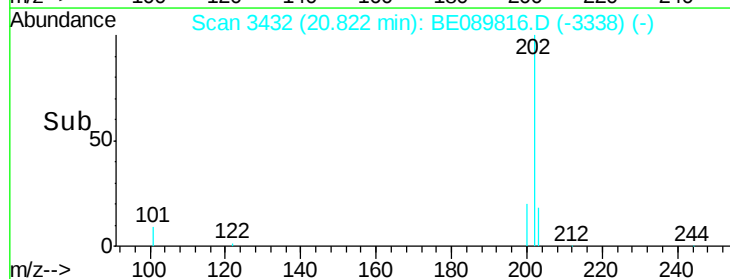
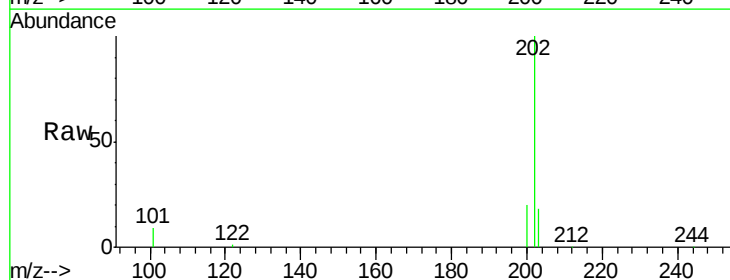
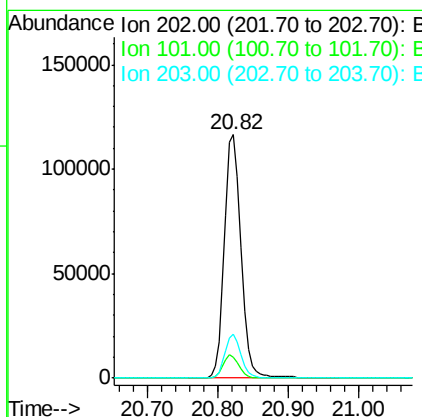
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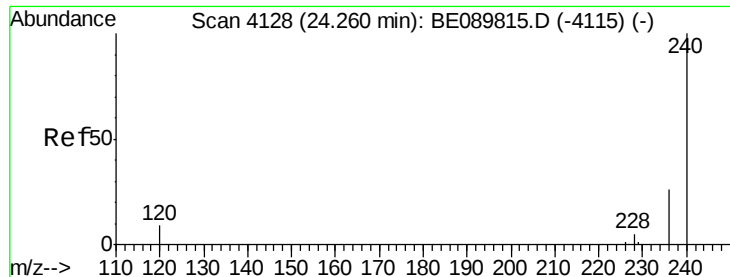
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#18
 Fluoranthene
 Concen: 1.90 ng
 RT: 20.82 min Scan# 3432
 Delta R.T. -0.00 min
 Lab File: BE089816.D
 Acq: 24 Mar 2015 15:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	8.2	12.2
203	17.4	14.2	21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Instrument :

BNA_E

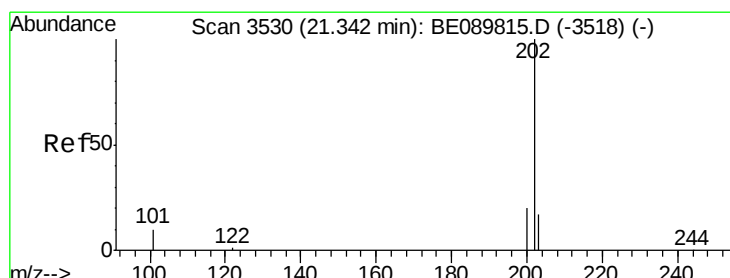
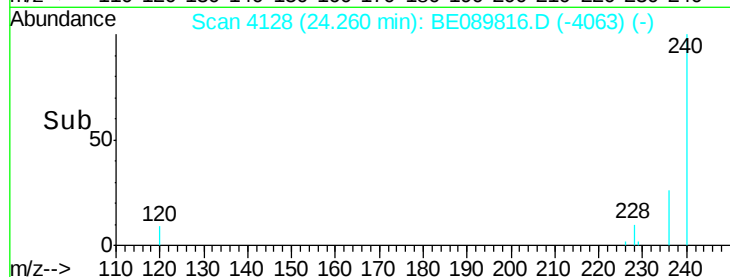
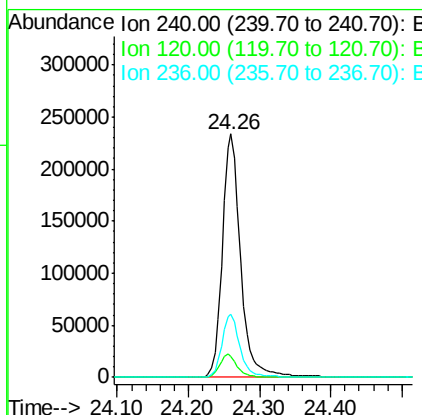
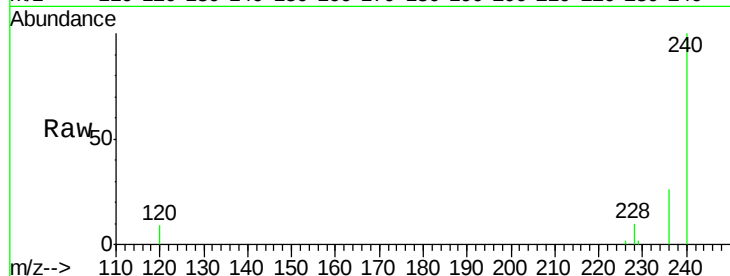
ClientSampleId :

SSTDICC002

Tgt	Ion	240	Resp	420354
Ion	Ratio	Lower	Upper	
240	100			
120	8.6	7.5	11.3	
236	25.7	20.5	30.7	

Manual Integrations
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#20

Pyrene

Concen: 1.76 ng

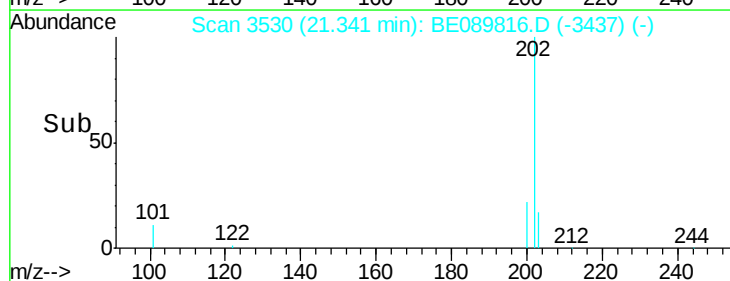
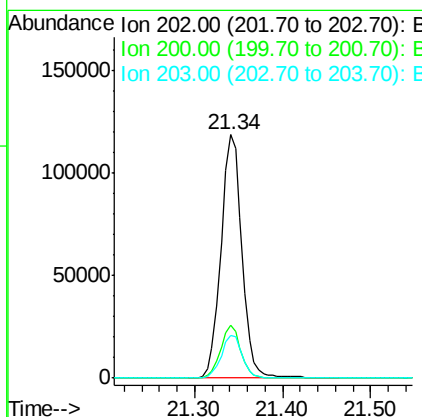
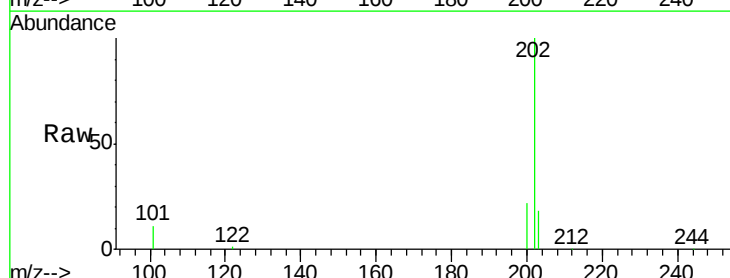
RT: 21.34 min Scan# 3530

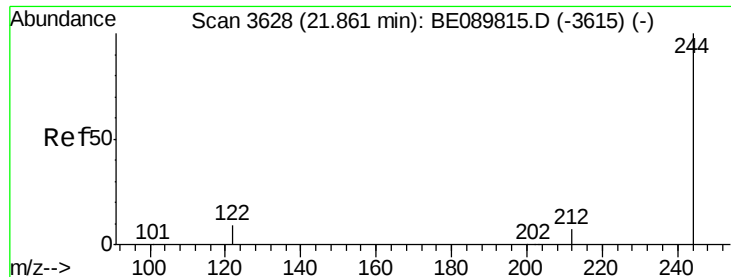
Delta R.T. -0.01 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Tgt	Ion	202	Resp	195264
Ion	Ratio	Lower	Upper	
202	100			
200	21.0	15.9	23.9	
203	17.5	13.6	20.4	





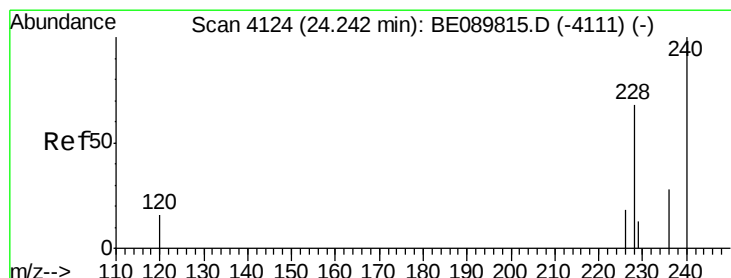
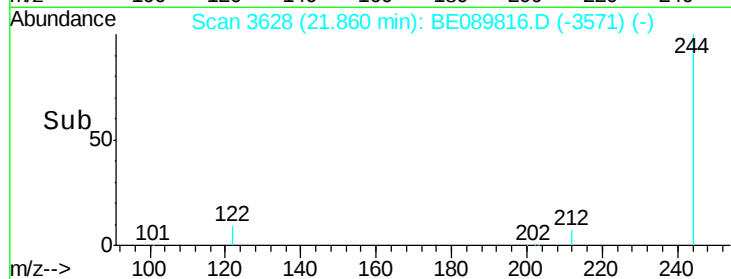
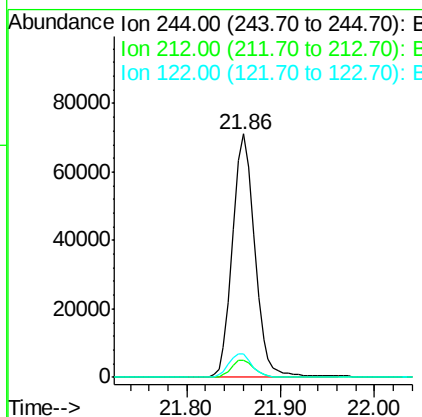
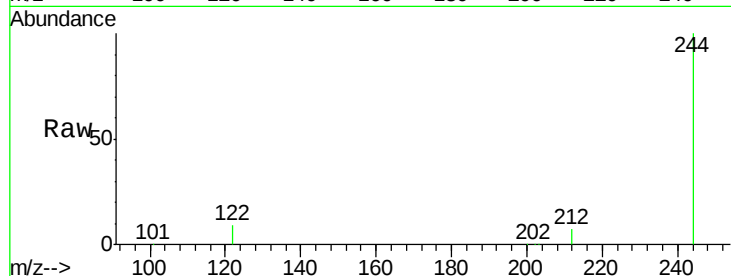
#21
 Terphenyl-d14
 Concen: 1.84 ng
 RT: 21.86 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: BE089816.D
 Acq: 24 Mar 2015 15:31

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.0	7.3	10.9#
122	9.4	10.5	15.7#

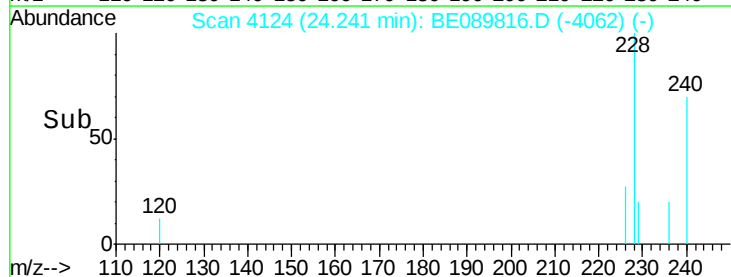
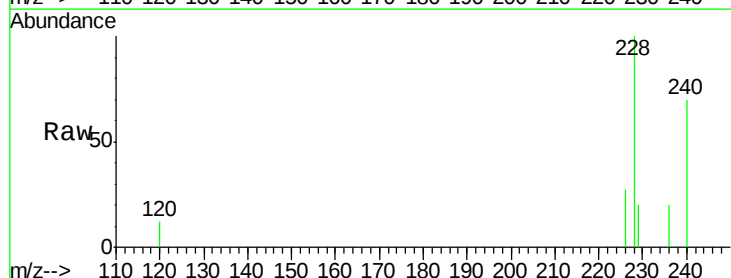
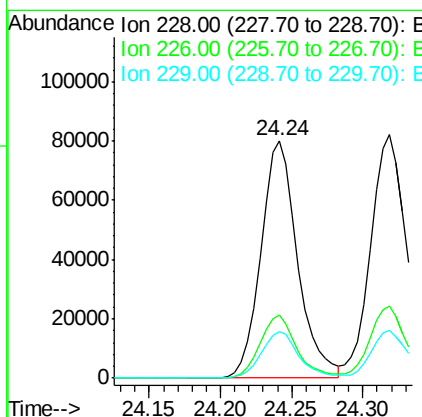
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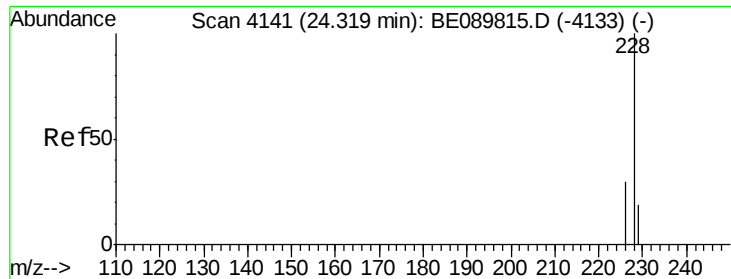
mohammad
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#22
 Benzo(a)anthracene
 Concen: 1.88 ng
 RT: 24.24 min Scan# 4124
 Delta R.T. -0.01 min
 Lab File: BE089816.D
 Acq: 24 Mar 2015 15:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.7	19.8	29.8
229	19.7	16.3	24.5





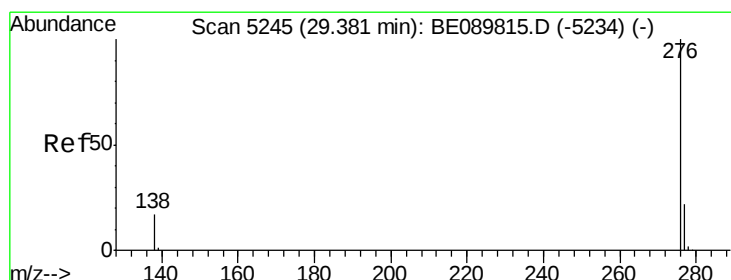
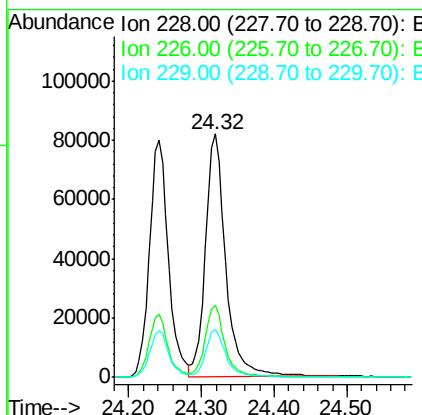
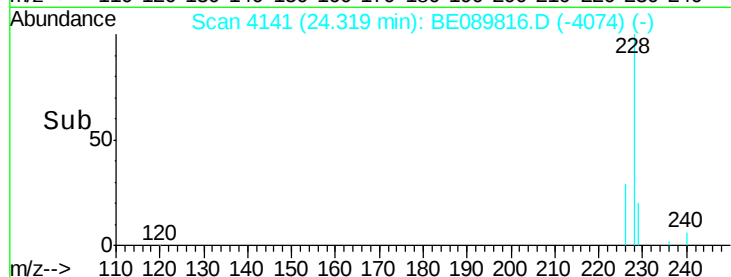
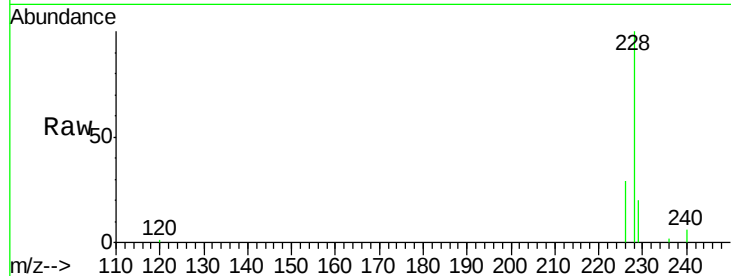
#23
Chrysene
Concen: 1.84 ng
RT: 24.32 min Scan# 4141
Delta R.T. 0.00 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.4
229	19.8	15.8	23.6

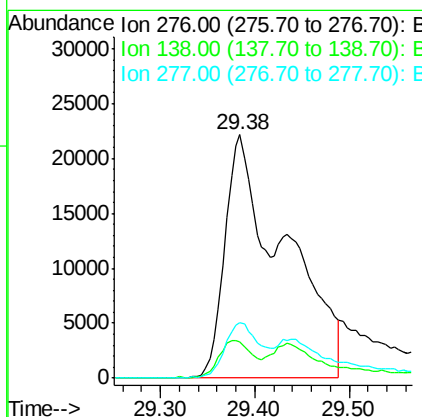
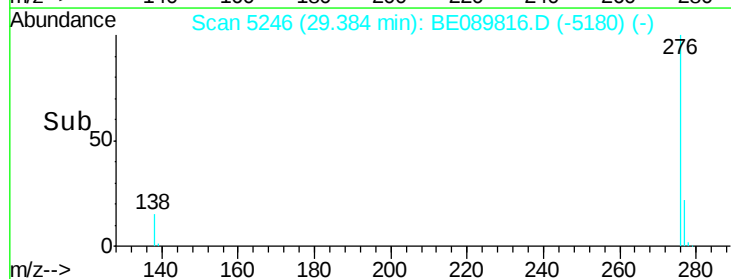
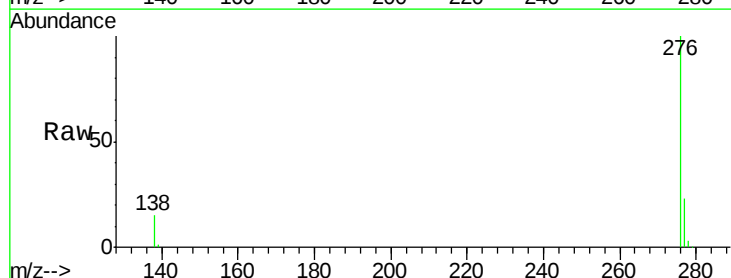
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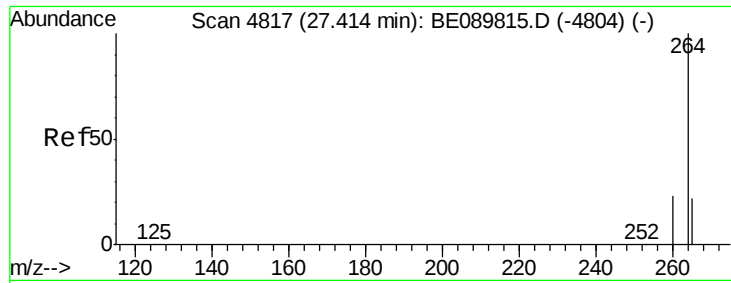
mohammad
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#24
Indeno(1,2,3-cd)pyrene
Concen: 2.84 ng m
RT: 29.38 min Scan# 5246
Delta R.T. 0.00 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.4	4.3	6.5#
277	13.9	9.0	13.4#





#25

Perylene-d12

Concen: 5.00 ng

RT: 27.41 min Scan# 4817

Delta R.T. -0.00 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Instrument :

BNA_E

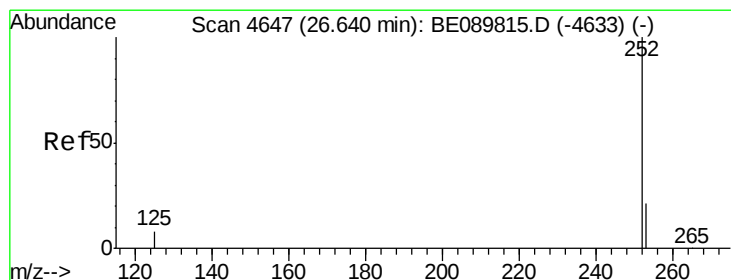
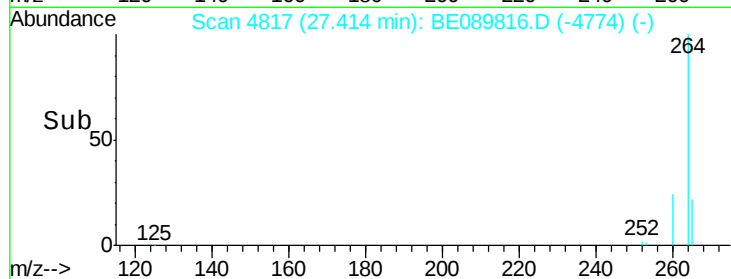
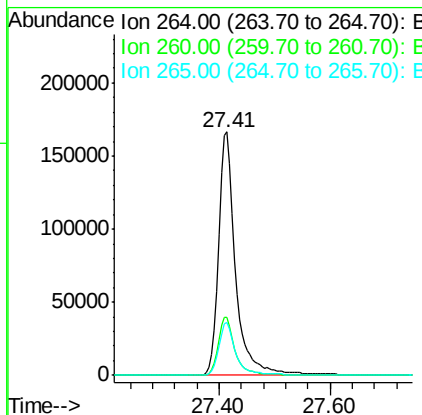
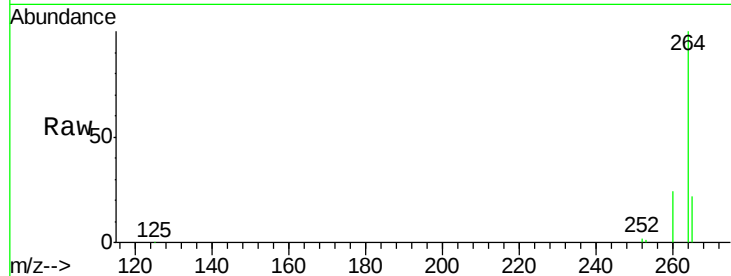
ClientSampleId :

SSTDICC002

Tgt Ion:	264	Resp:	350352
Ion Ratio		Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.9	17.3	25.9

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#26

Benzo(b)fluoranthene

Concen: 2.35 ng

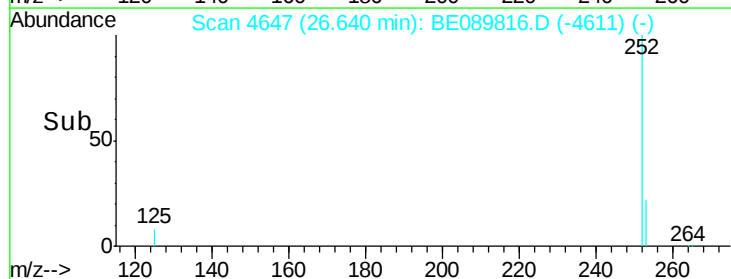
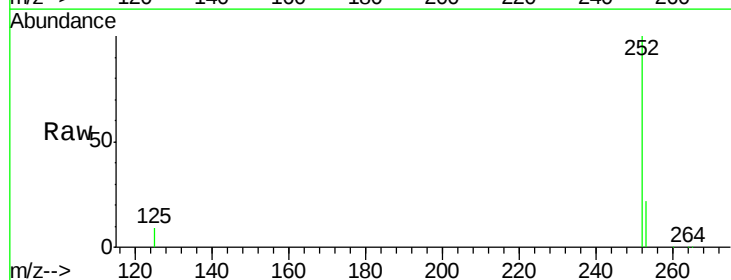
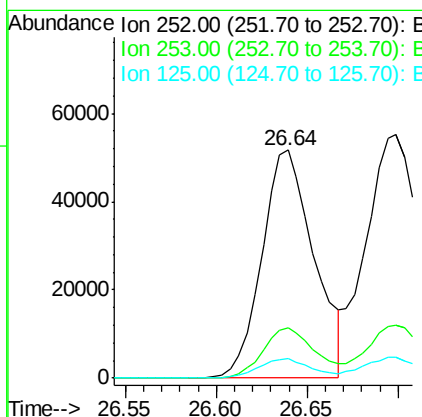
RT: 26.64 min Scan# 4647

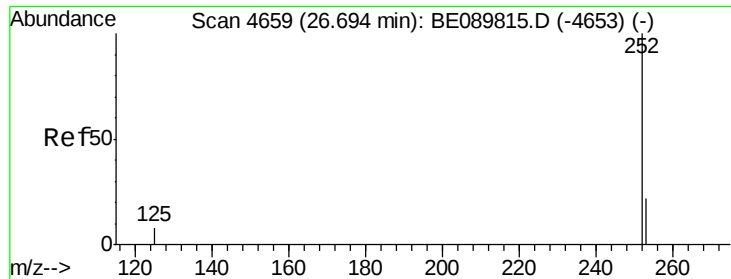
Delta R.T. 0.00 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Tgt Ion:	252	Resp:	102848
Ion Ratio		Lower	Upper
252	100		
253	21.9	17.8	26.6
125	8.6	8.7	13.1#





#27

Benzo(k)fluoranthene

Concen: 2.17 ng m

RT: 26.70 min Scan# 4660

Delta R.T. -0.00 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Instrument :

BNA_E

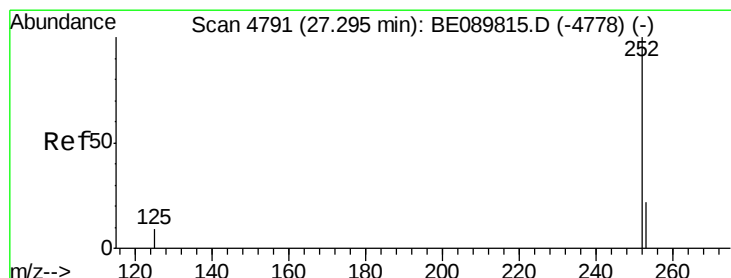
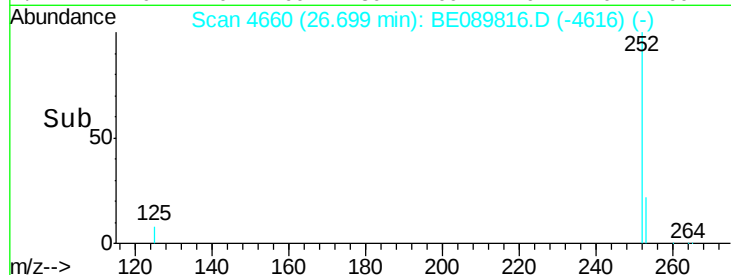
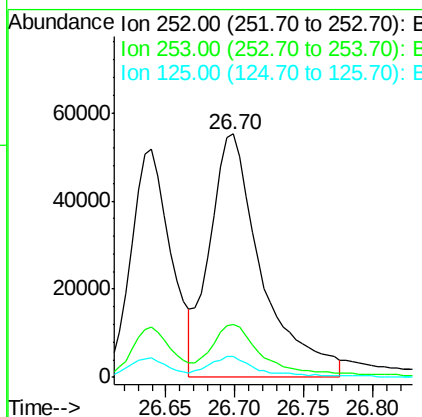
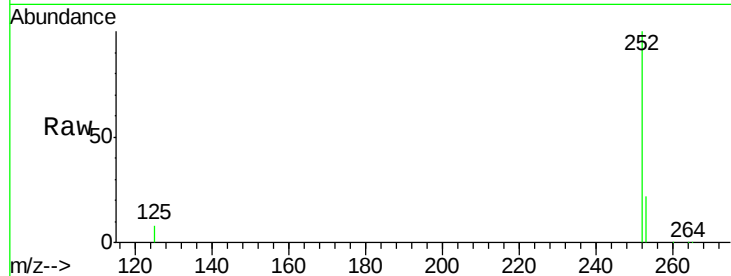
ClientSampleId :

SSTDICC002

Tgt Ion:	252	Resp:	143942
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.6	28.0
125	8.3	10.8	16.2#

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#28

Benzo(a)pyrene

Concen: 2.40 ng

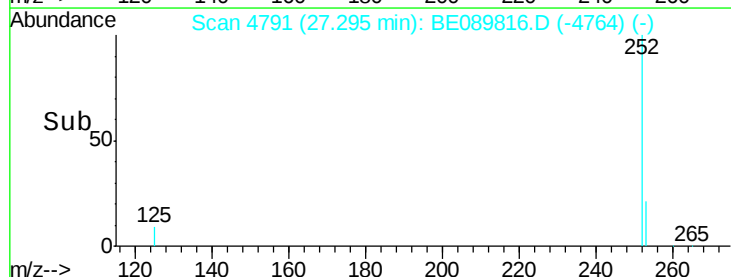
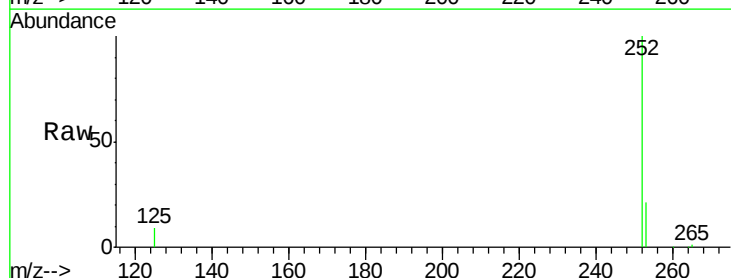
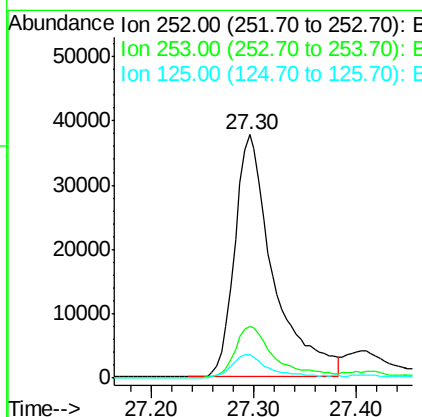
RT: 27.30 min Scan# 4791

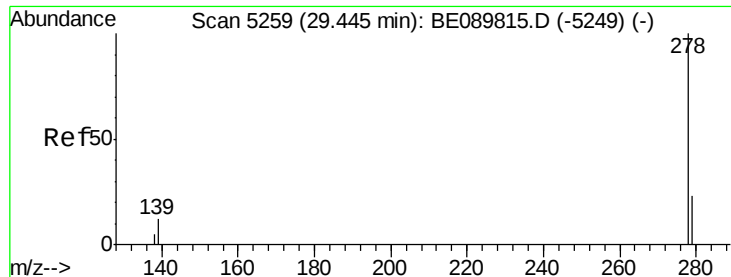
Delta R.T. -0.01 min

Lab File: BE089816.D

Acq: 24 Mar 2015 15:31

Tgt Ion:	252	Resp:	98389
Ion Ratio	Lower	Upper	
252	100		
253	21.2	21.0	31.4
125	9.5	13.3	19.9#





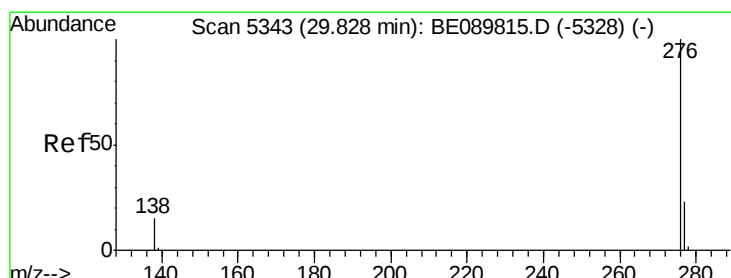
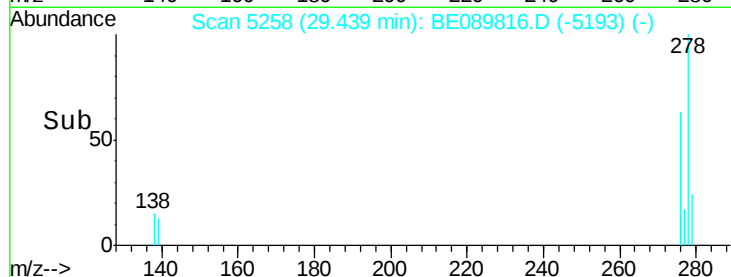
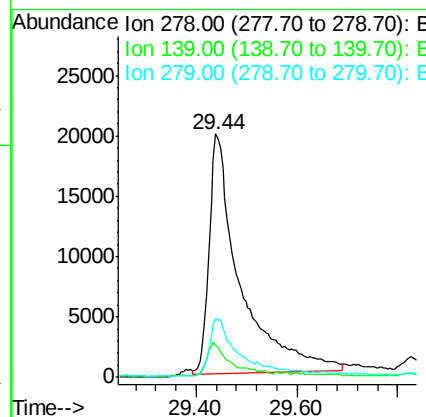
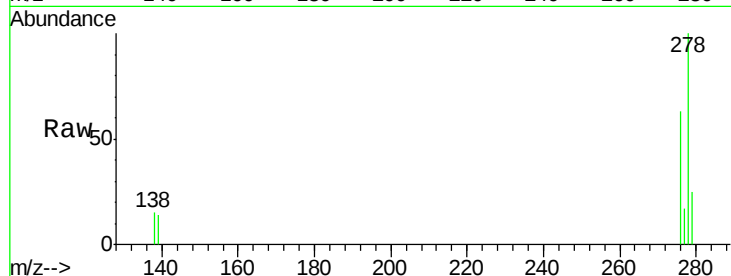
#29
Dibenzo(a,h)anthracene
Concen: 3.67 ng
RT: 29.44 min Scan# 5258
Delta R.T. -0.00 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.5	20.0	30.0#
279	24.6	28.9	43.3#

Manual Integrations
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#30
Benzo(g,h,i)perylene
Concen: 2.52 ng
RT: 29.83 min Scan# 5343
Delta R.T. 0.00 min
Lab File: BE089816.D
Acq: 24 Mar 2015 15:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.2	28.8
138	15.3	22.9	34.3#

