

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089817.D
 Acq On : 24 Mar 2015 16:10
 Operator : TP/JJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Manual Integrations
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mohammad
 3/25/2015 5:43:28 PM

Quant Time: Mar 24 16:54:49 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 15:59:18 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	175256	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	726077	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	330849	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	566052	5.00	ng	0.00
19) Chrysene-d12	24.26	240	555393	5.00	ng	0.00
25) Perylene-d12	27.41	264	494689	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	254361	6.76	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	406515	5.34	ng	0.00
21) Terphenyl-d14	21.86	244	399756	4.85	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	108913	4.39	ng	90
3) n-Nitrosodimethylamine	2.95	42	186909	5.85	ng	# 89
6) Naphthalene	10.31	128	692874	4.77	ng	96
7) 2-Methylnaphthalene	11.93	142	429751	5.53	ng	97
10) Acenaphthylene	14.04	152	2533349	5.49	ng	99
11) Acenaphthene	14.46	154	364195	5.04	ng	85
12) Fluorene	15.71	166	449898	5.17	ng	94
14) Hexachlorobenzene	16.98	284	92914	4.92	ng	97
15) Pentachlorophenol	17.50	266	28725	0.27	ng	94
16) Phenanthrene	17.97	178	618496	4.97	ng	100
17) Anthracene	18.10	178	602404	5.59	ng	99
18) Fluoranthene	20.82	202	642520	6.07	ng	99
20) Pyrene	21.34	202	666212	4.64	ng	98
22) Benzo(a)anthracene	24.24	228	571264	5.73	ng	98
23) Chrysene	24.32	228	583821	5.21	ng	99
24) Indeno(1,2,3-cd)pyrene	29.38	276	527267m	10.94	ng	
26) Benzo(b)fluoranthene	26.64	252	495424	7.80	ng	# 98
27) Benzo(k)fluoranthene	26.70	252	602253m	6.34	ng	
28) Benzo(a)pyrene	27.30	252	470707	7.86	ng	# 89
29) Dibenzo(a,h)anthracene	29.44	278	421705	11.31	ng	# 77
30) Benzo(g,h,i)perylene	29.83	276	501536	7.68	ng	# 88

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

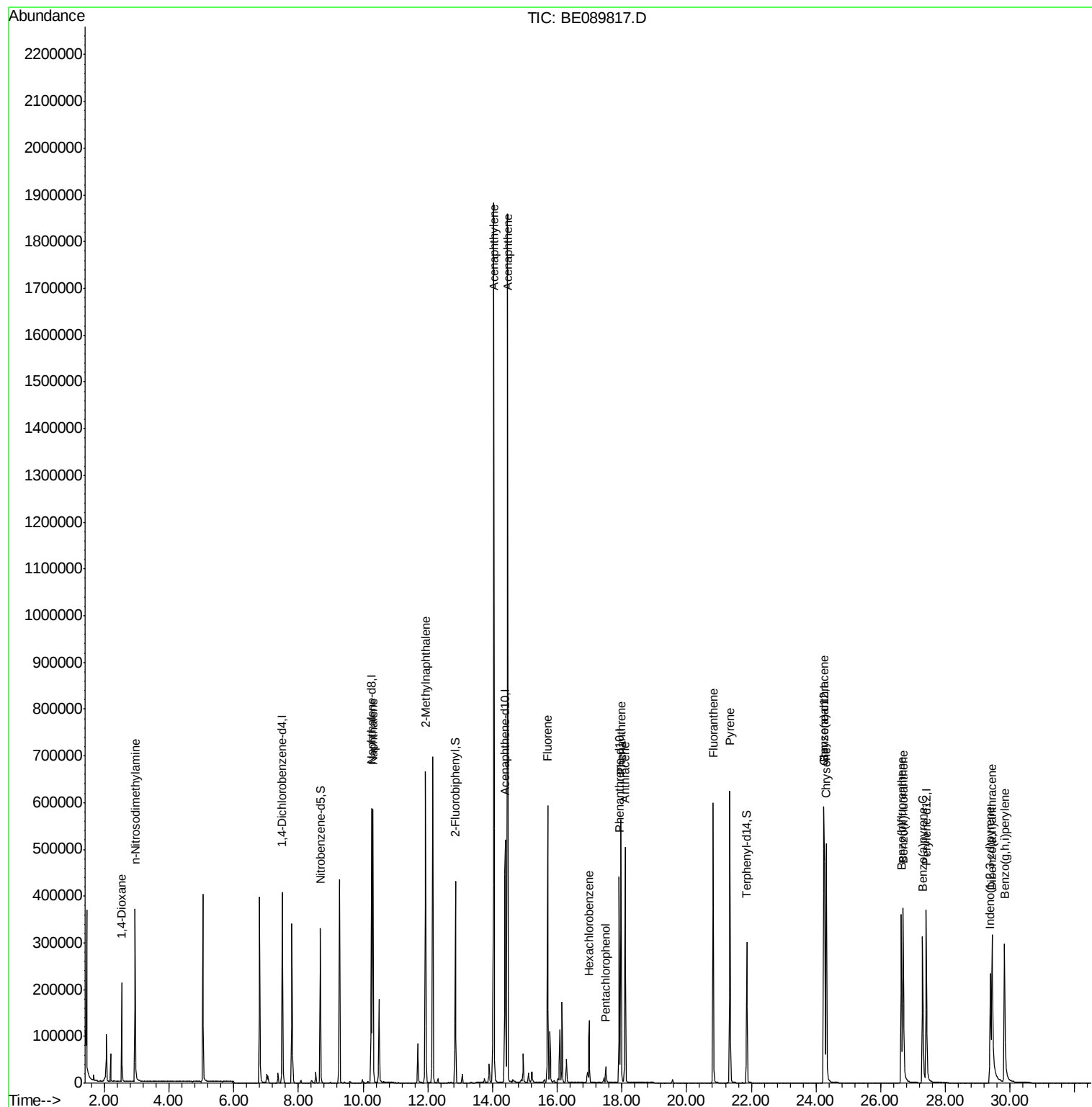
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089817.D
Acq On : 24 Mar 2015 16:10
Operator : TP/JJ
Sample : SSTDICC005
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ALS Vial : 8 Sample Multiplier: 1

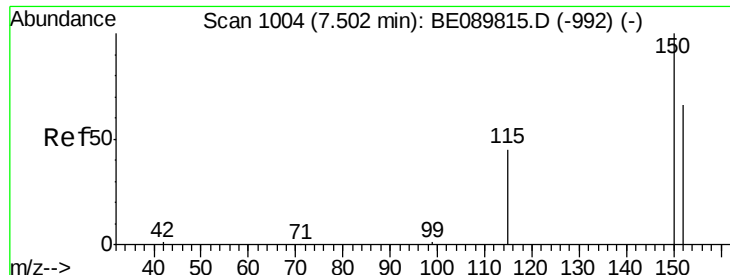
Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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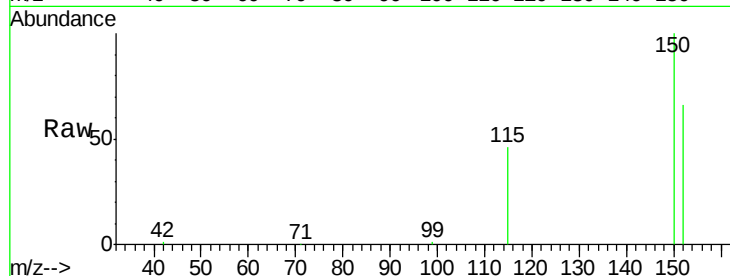
Quant Time: Mar 24 16:54:49 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 24 15:59:18 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

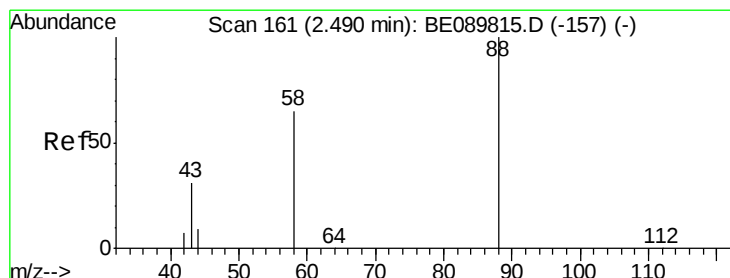
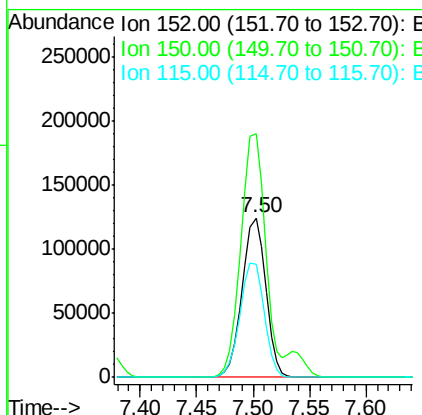
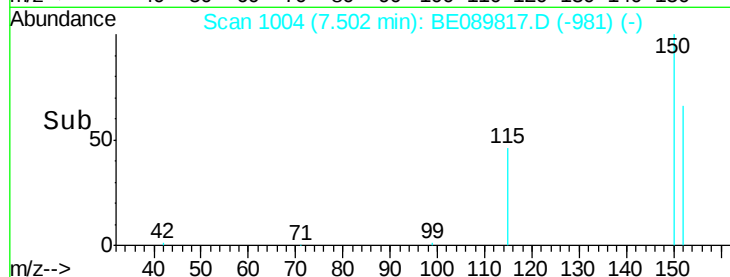
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005



Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	125.5	188.3
115	70.7	58.0	87.0

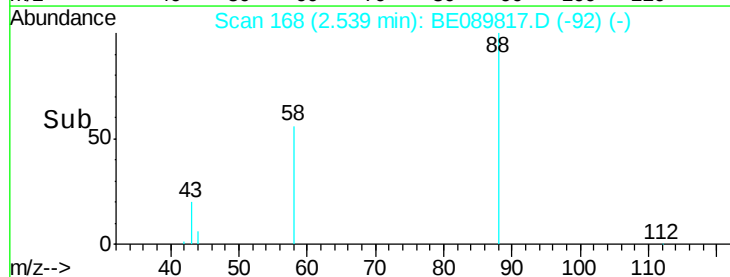
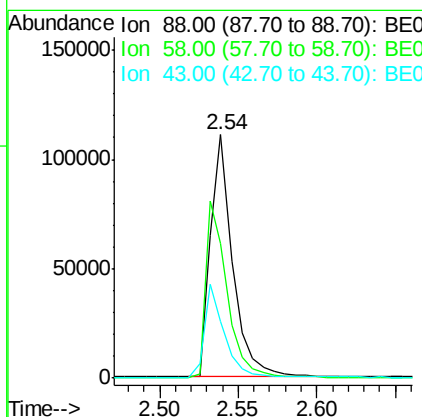
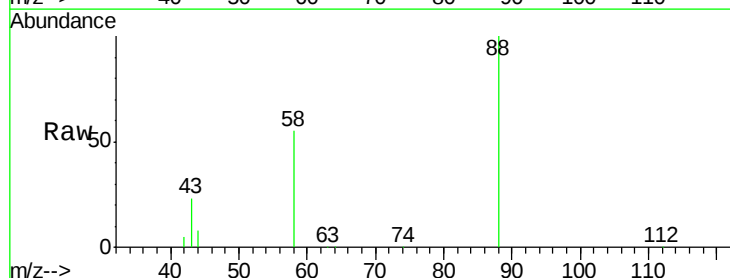
Manual Integrations
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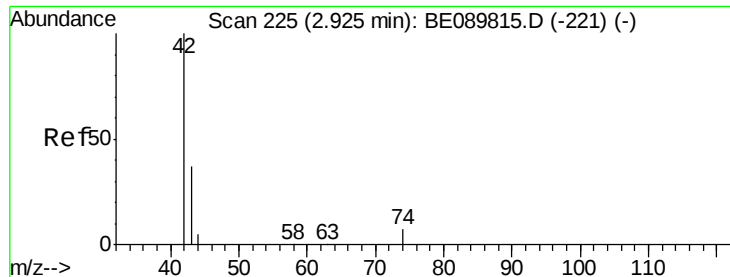
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#2
 1,4-Dioxane
 Concen: 4.39 ng
 RT: 2.54 min Scan# 168
 Delta R.T. 0.02 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.3	48.6	72.8
43	34.6	28.6	43.0





#3

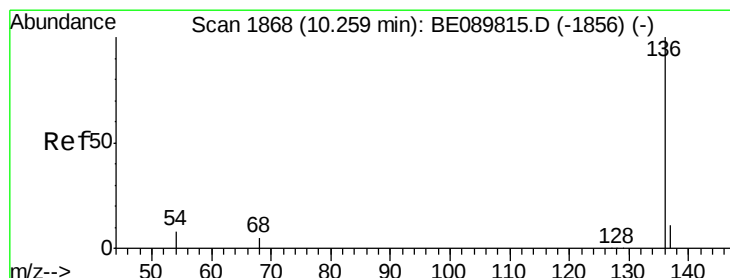
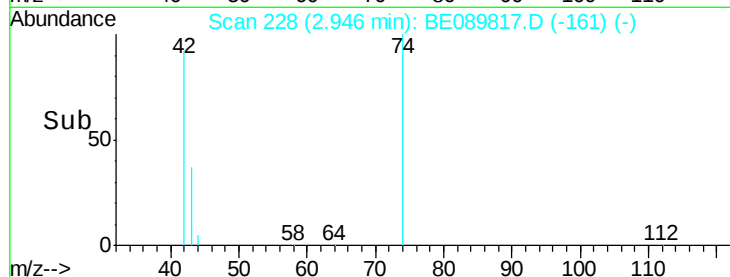
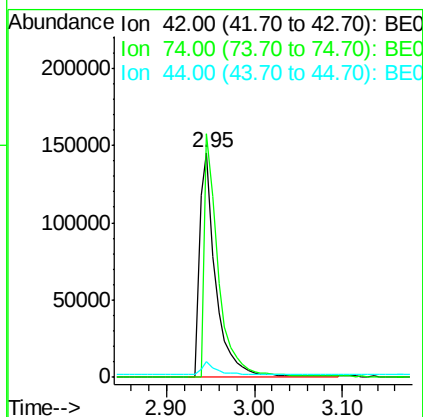
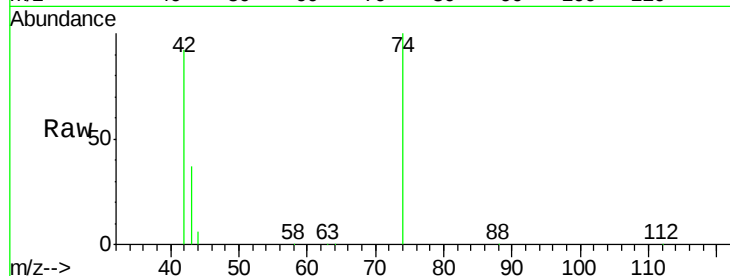
n-Nitrosodimethylamine
Concen: 5.85 ng
RT: 2.95 min Scan# 228
Delta R.T. -0.05 min
Lab File: BE089817.D
Acq: 24 Mar 2015 16:10

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
74	96.3	68.7	103.1
44	5.2	6.2	9.4

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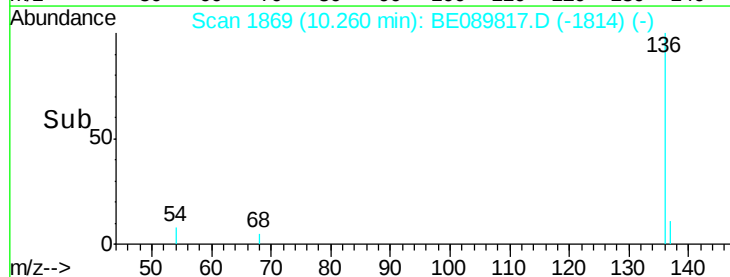
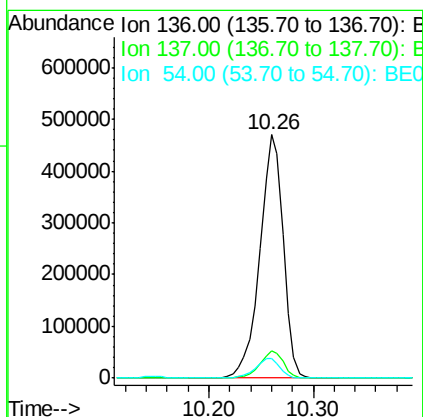
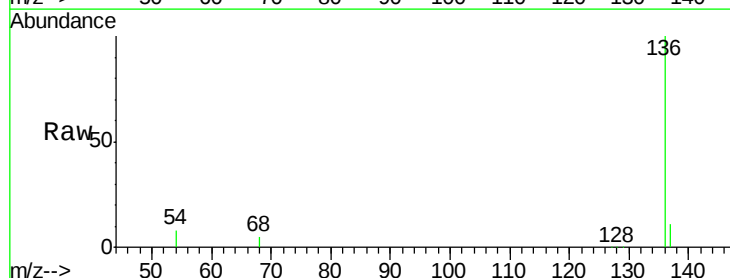
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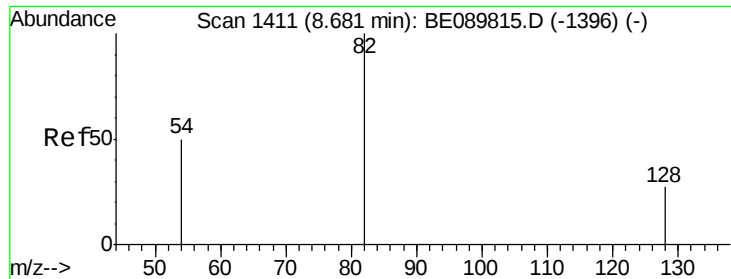


#4

Naphthalene-d8
Concen: 5.00 ng
RT: 10.26 min Scan# 1869
Delta R.T. 0.00 min
Lab File: BE089817.D
Acq: 24 Mar 2015 16:10

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	7.0	10.4





#5

Nitrobenzene-d5

Concen: 6.76 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089817.D

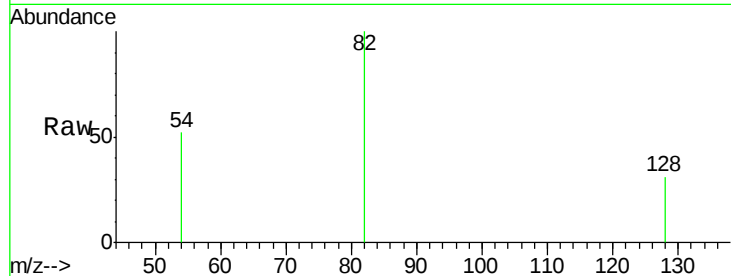
Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDICC005



Tgt Ion: 82 Resp: 254361

Ion Ratio Lower Upper

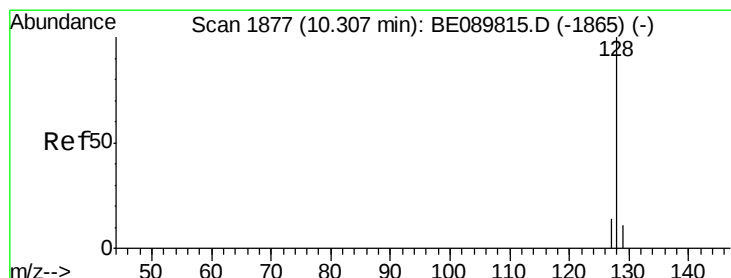
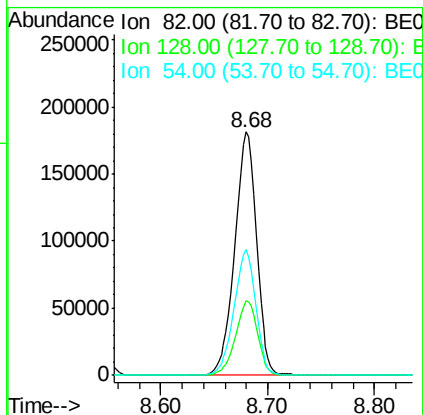
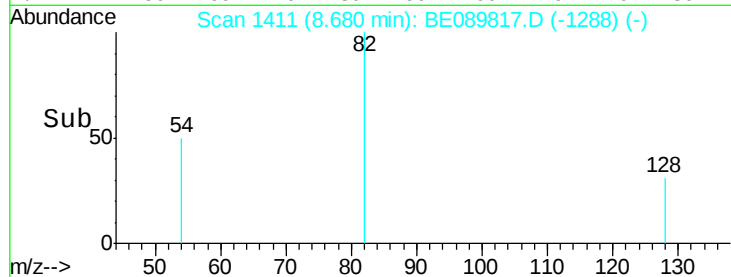
82 100

128 30.9 24.6 37.0

54 51.5 43.0 64.6

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#6

Naphthalene

Concen: 4.77 ng

RT: 10.31 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

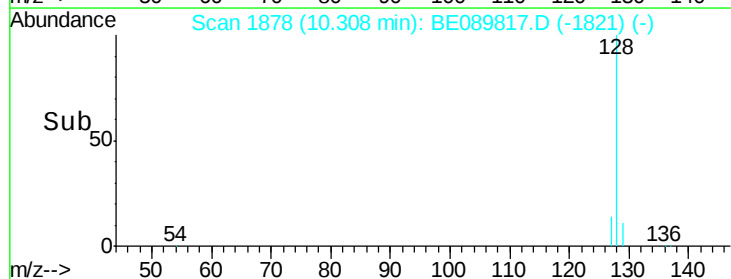
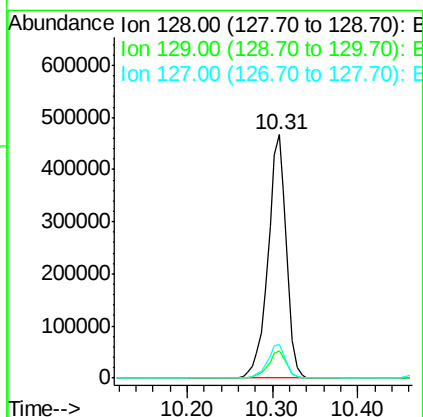
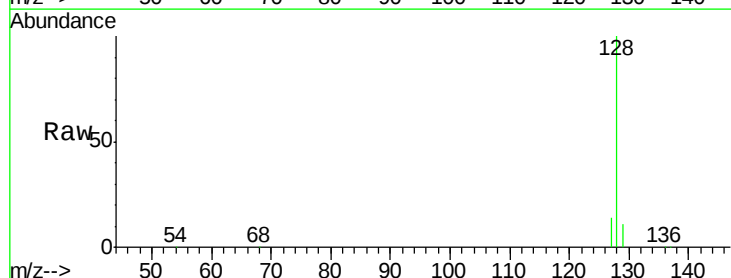
Tgt Ion: 128 Resp: 692874

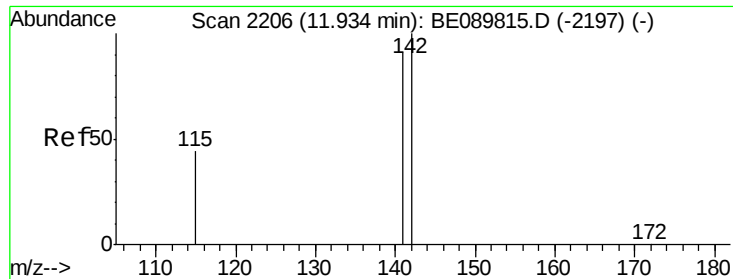
Ion Ratio Lower Upper

128 100

129 11.3 10.0 15.0

127 13.7 12.5 18.7





#7

2-Methylnaphthalene

Concen: 5.53 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

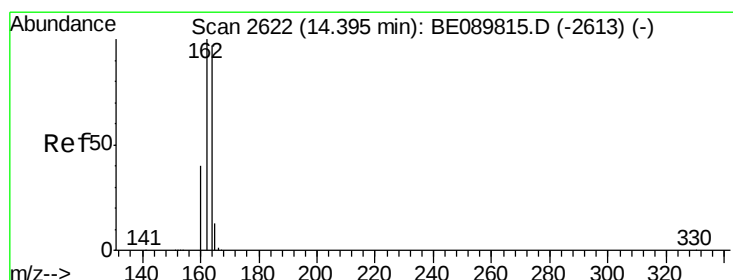
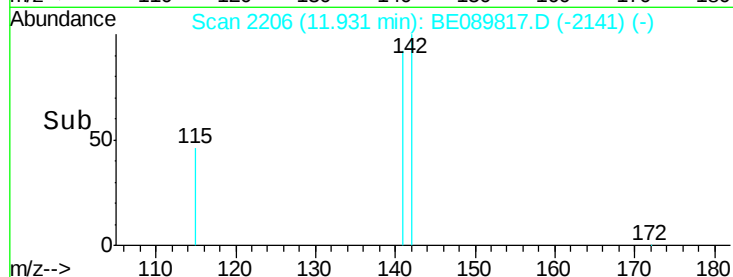
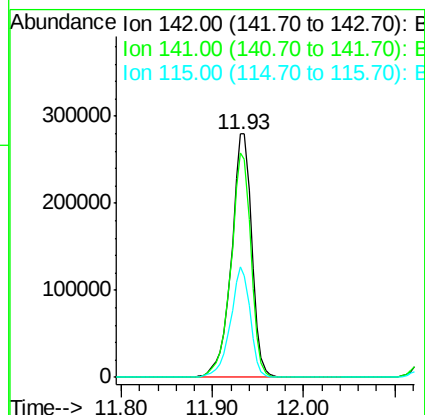
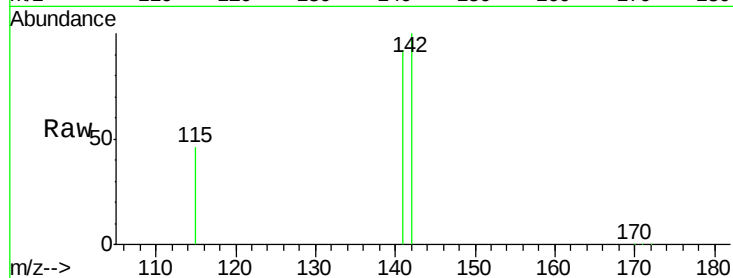
ClientSampleId :

SSTDICC005

Tgt Ion:	142	Resp:	429751
Ion Ratio	Lower	Upper	
142	100		
141	92.2	72.8	109.2
115	45.6	32.9	49.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

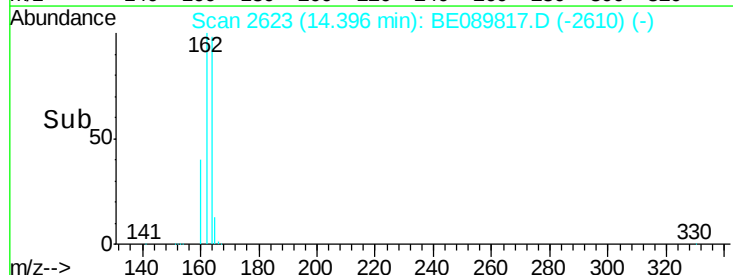
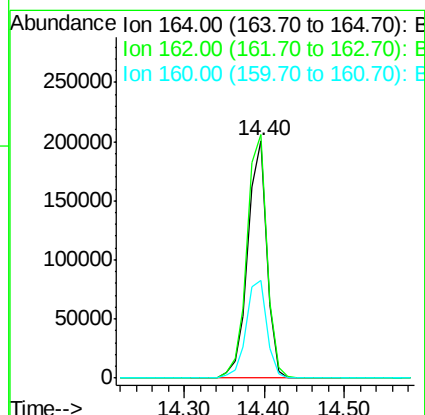
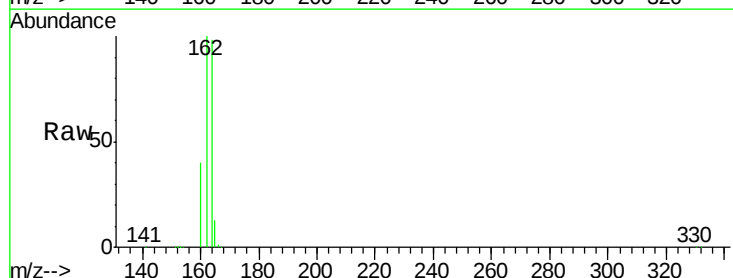
RT: 14.40 min Scan# 2623

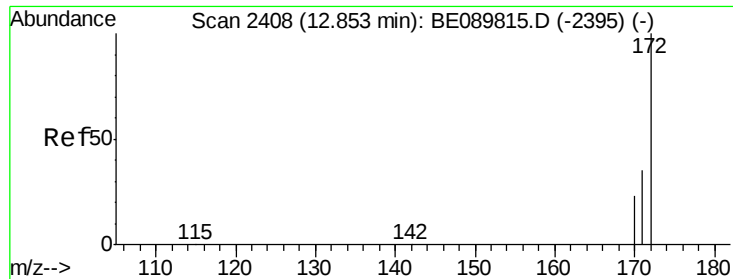
Delta R.T. 0.01 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Tgt Ion:	164	Resp:	330849
Ion Ratio	Lower	Upper	
164	100		
162	102.5	87.6	131.4
160	41.3	36.7	55.1





#9

2-Fluorobiphenyl

Concen: 5.34 ng

RT: 12.85 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

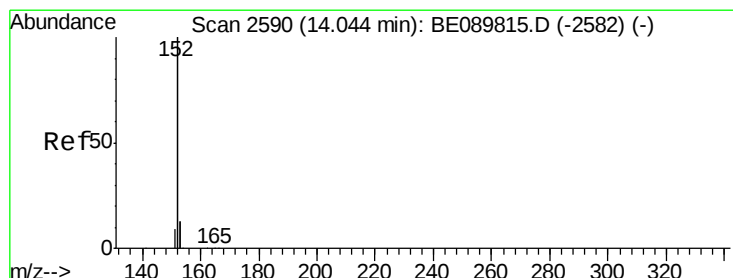
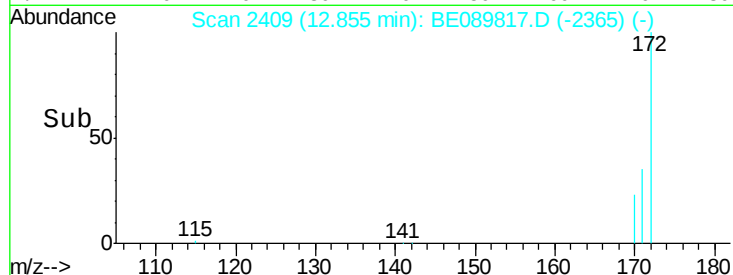
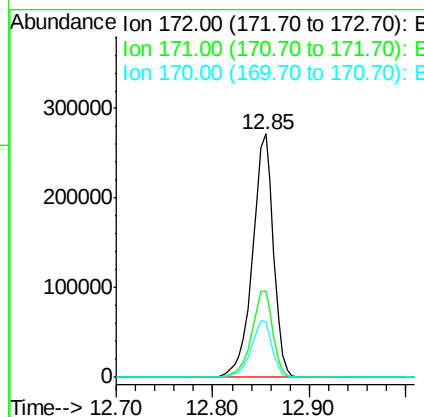
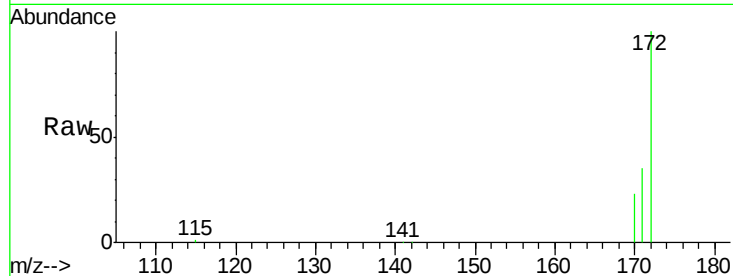
ClientSampleId :

SSTDIC005

Tgt Ion:	172	Resp:	406515
Ion Ratio	Lower	Upper	
172	100		
171	35.3	30.8	46.2
170	22.7	21.0	31.4

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#10

Acenaphthylene

Concen: 5.49 ng

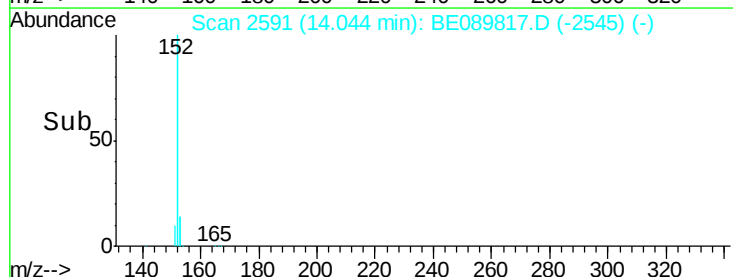
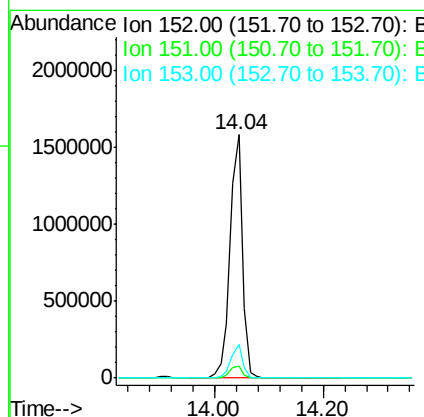
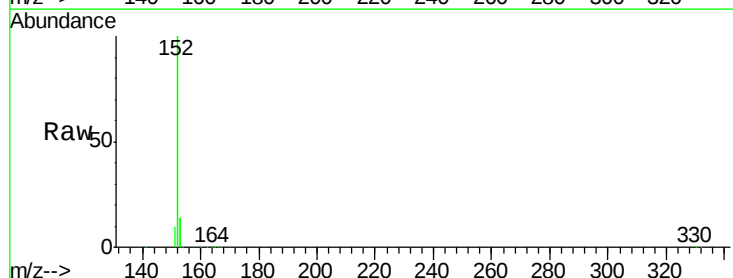
RT: 14.04 min Scan# 2591

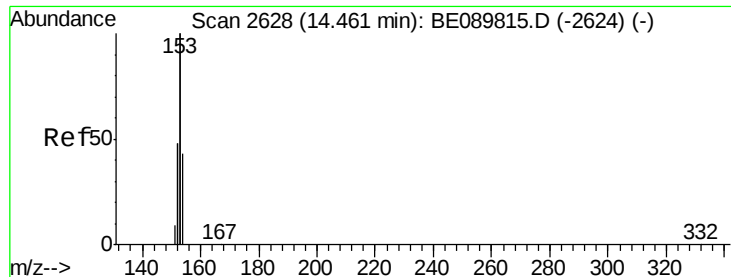
Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Tgt Ion:	152	Resp:	2533349
Ion Ratio	Lower	Upper	
152	100		
151	5.1	3.9	5.9
153	13.1	11.0	16.4





#11

Acenaphthene

Concen: 5.04 ng

RT: 14.46 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

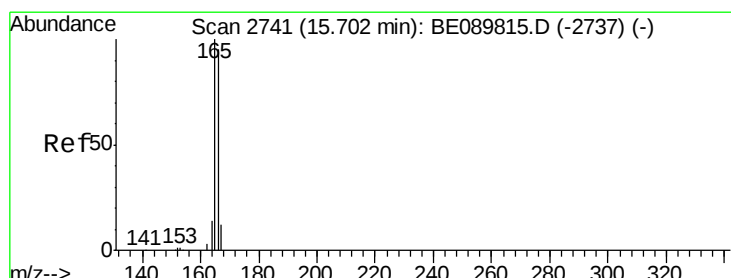
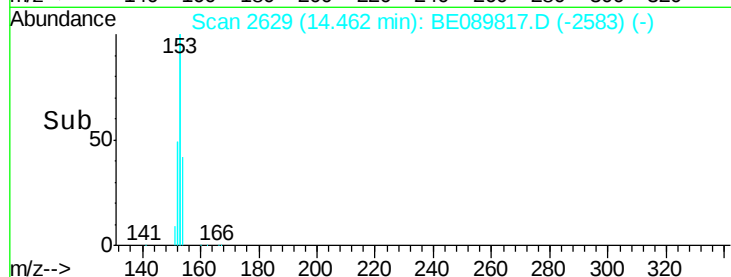
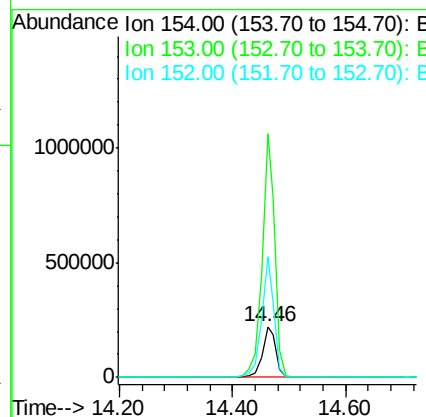
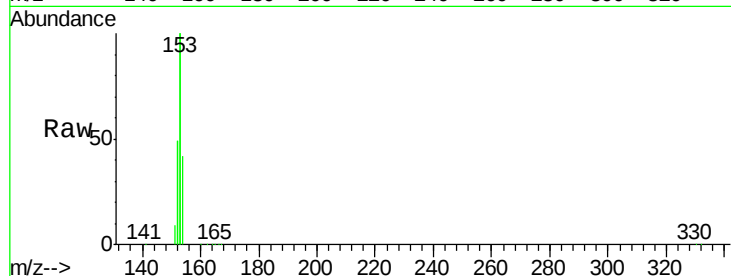
ClientSampleId :

SSTDIC005

Tgt Ion:	154	Resp:	364195
Ion Ratio	Lower	Upper	
154	100		
153	463.0	401.5	602.3
152	220.1	198.6	298.0

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#12

Fluorene

Concen: 5.17 ng

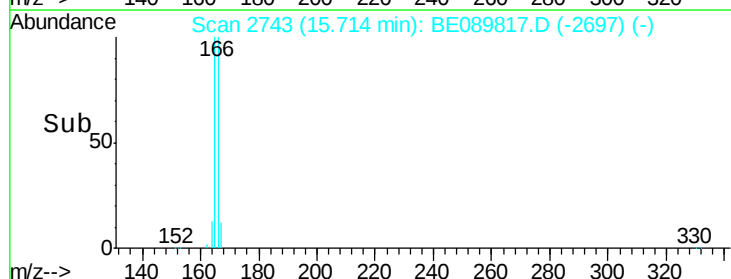
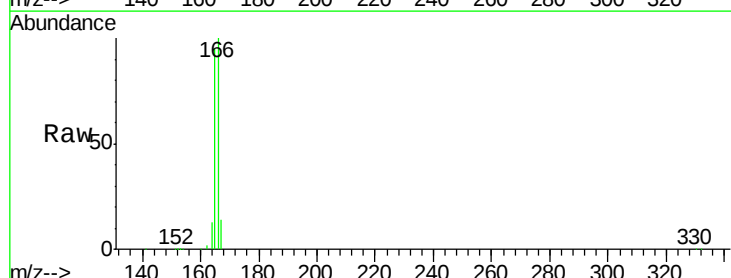
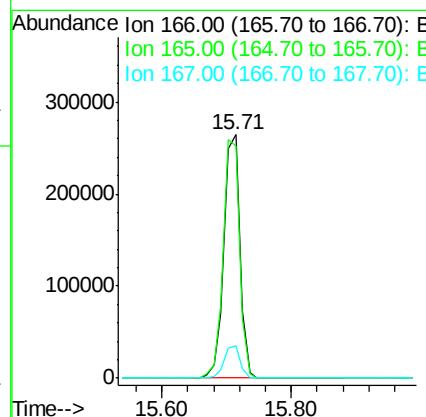
RT: 15.71 min Scan# 2743

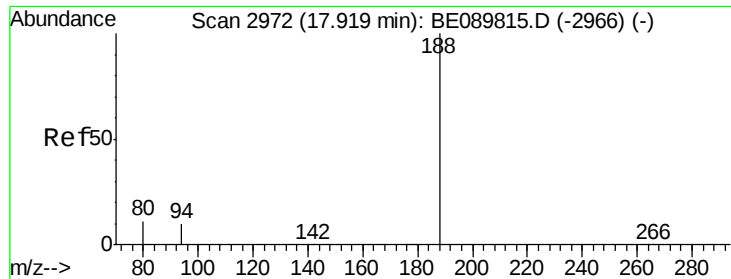
Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Tgt Ion:	166	Resp:	449898
Ion Ratio	Lower	Upper	
166	100		
165	99.6	85.1	127.7
167	13.2	12.2	18.4





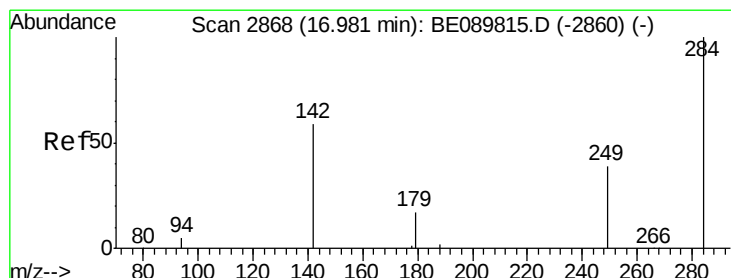
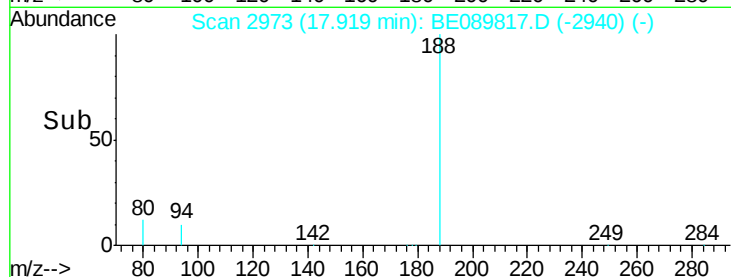
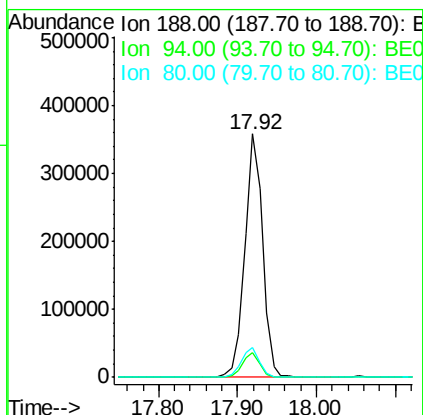
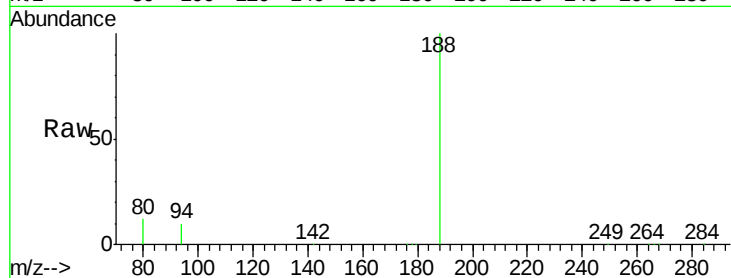
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2973
Delta R.T. -0.00 min
Lab File: BE089817.D
Acq: 24 Mar 2015 16:10

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.2	8.5	12.7
80	12.3	10.0	15.0

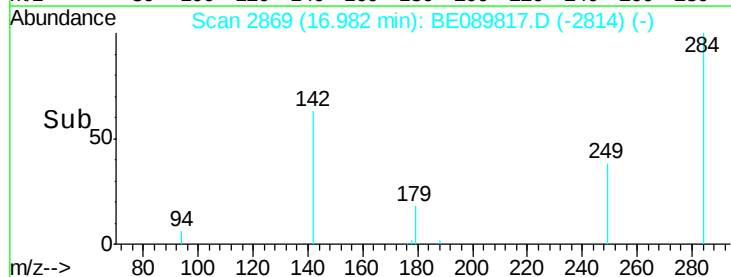
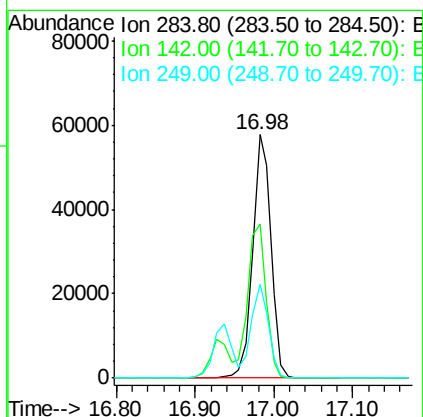
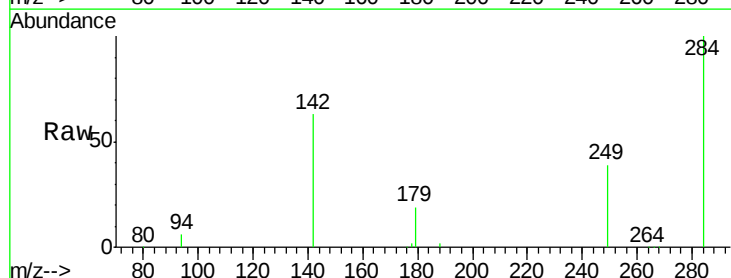
Manual Integrations
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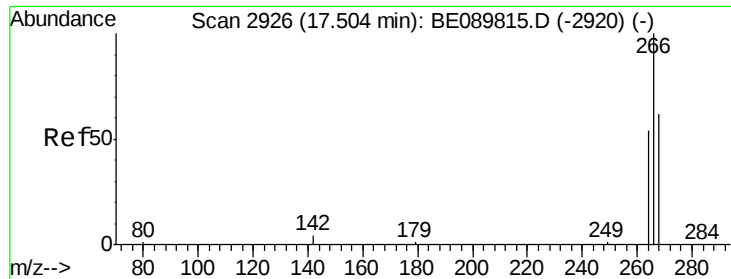
mohammad
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#14
Hexachlorobenzene
Concen: 4.92 ng
RT: 16.98 min Scan# 2869
Delta R.T. -0.00 min
Lab File: BE089817.D
Acq: 24 Mar 2015 16:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	64.5	53.3	79.9
249	36.6	31.1	46.7





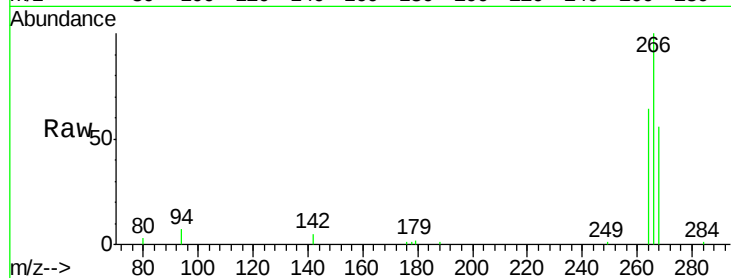
#15
 Pentachlorophenol
 Concen: 0.27 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. -0.01 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	28725		
268	56.4	51.6	77.4	
264	64.2	50.2	75.2	

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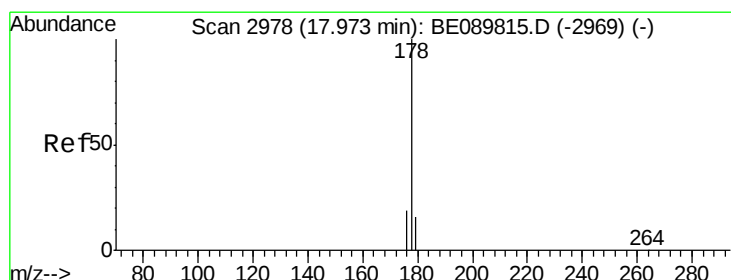
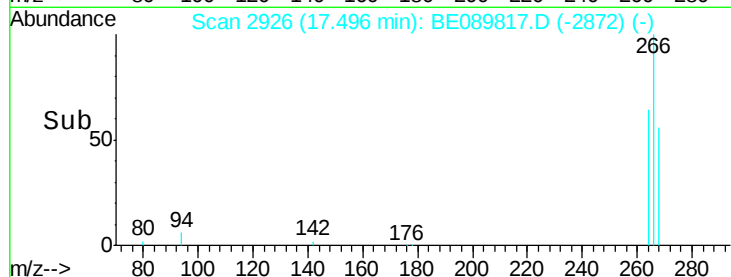
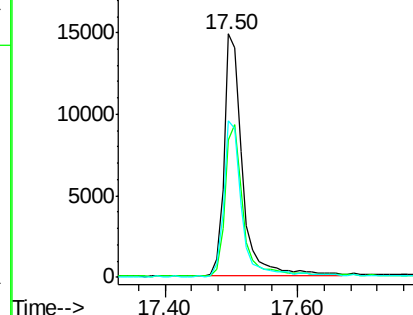


Abundance

Ion 265.70 (265.40 to 266.40): E

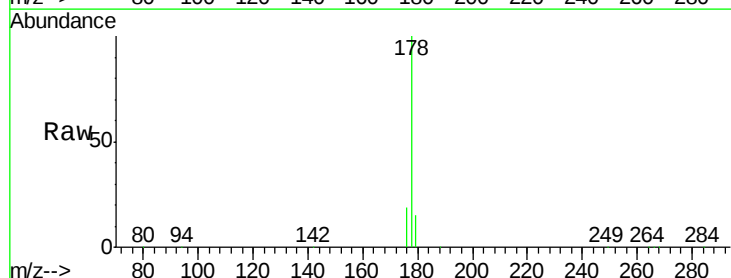
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#16
 Phenanthrene
 Concen: 4.97 ng
 RT: 17.97 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	618496		
176	19.1	15.4	23.0	
179	15.5	12.2	18.4	

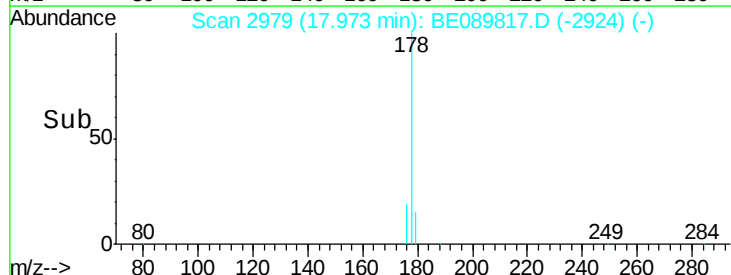
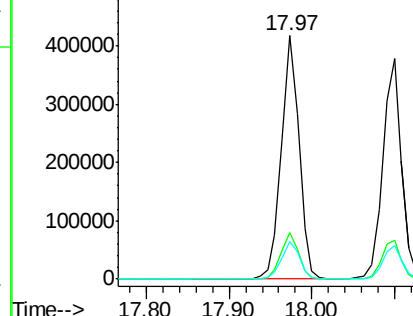


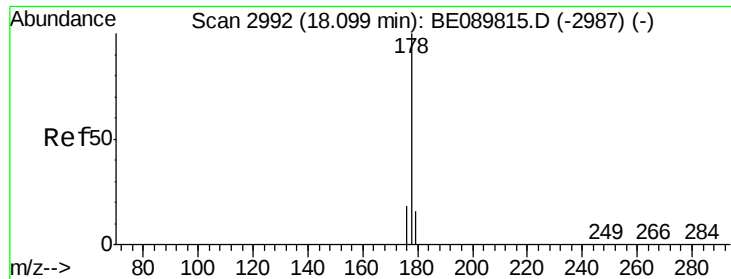
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





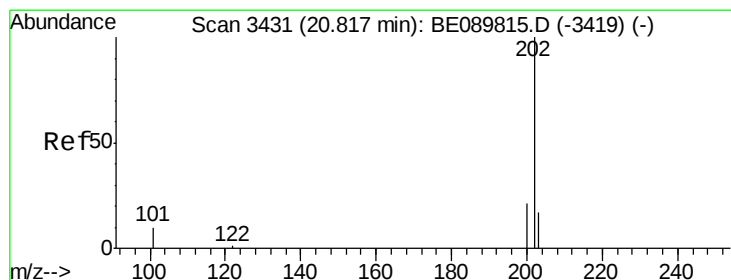
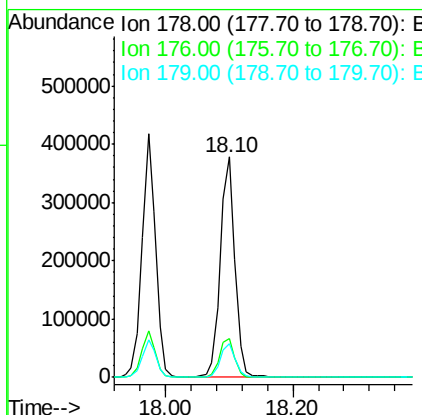
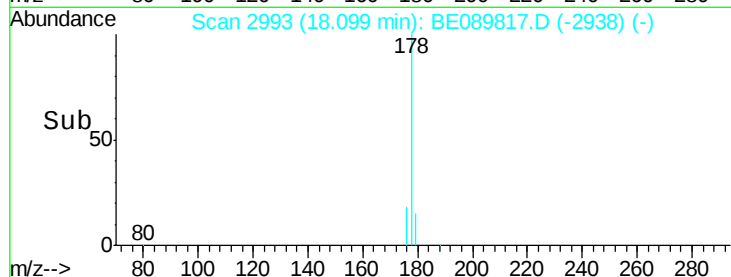
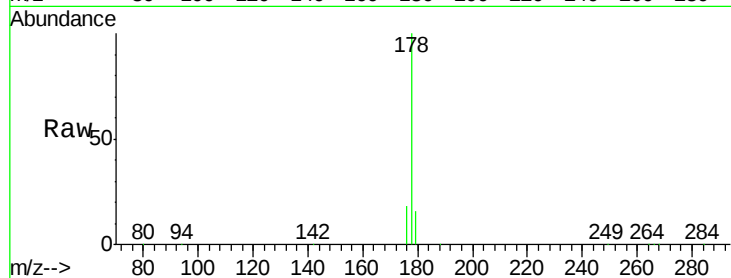
#17
 Anthracene
 Concen: 5.59 ng
 RT: 18.10 min Scan# 2993
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.6	12.1	18.1

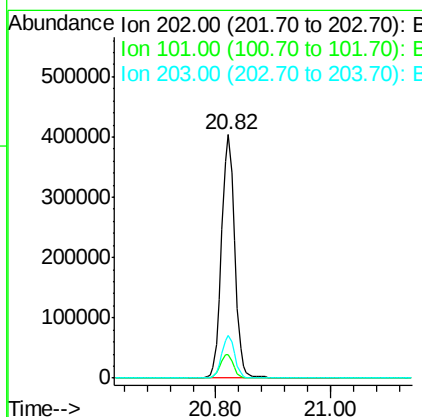
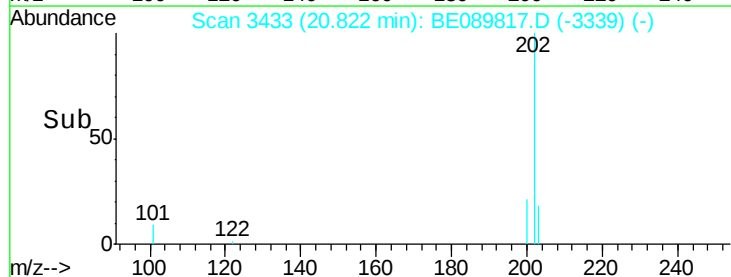
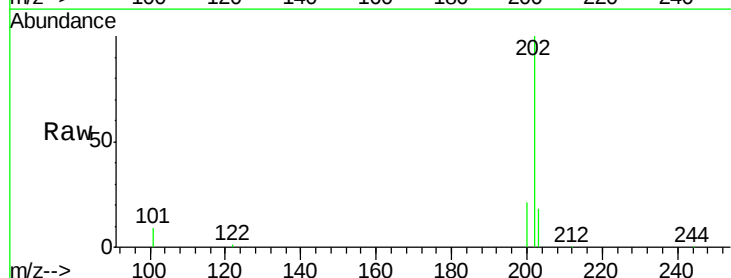
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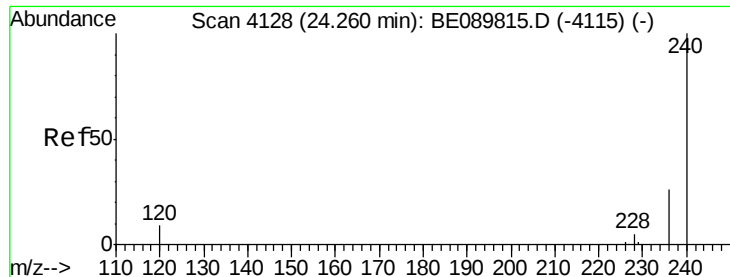
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#18
 Fluoranthene
 Concen: 6.07 ng
 RT: 20.82 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	8.2	12.2
203	17.3	14.2	21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

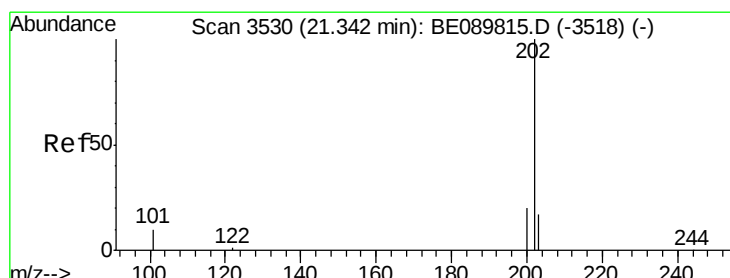
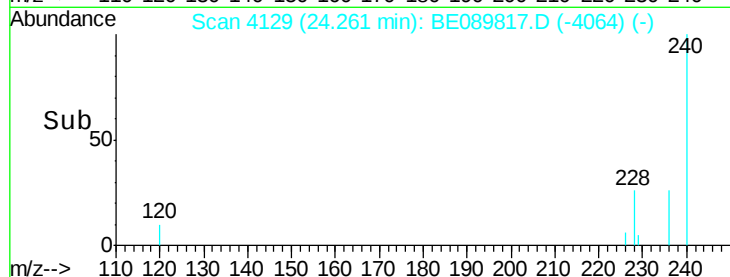
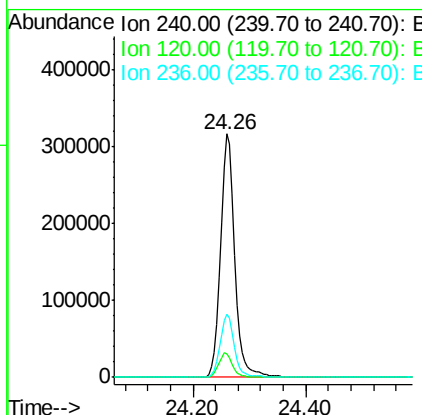
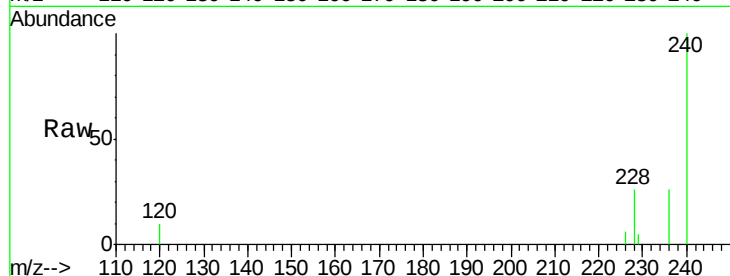
ClientSampleId :

SSTDICC005

Tgt	Ion	240	Resp:	555393
Ion	Ratio	Lower	Upper	
240	100			
120	9.7	7.5	11.3	
236	26.0	20.5	30.7	

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#20

Pyrene

Concen: 4.64 ng

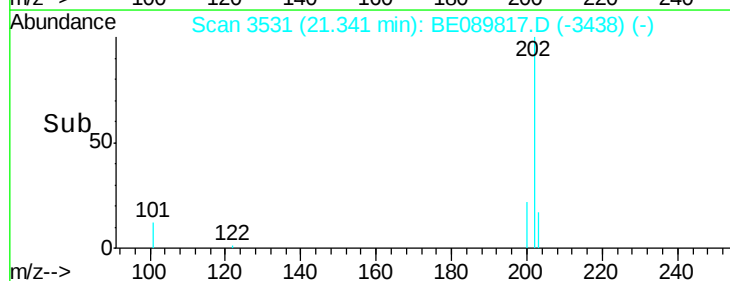
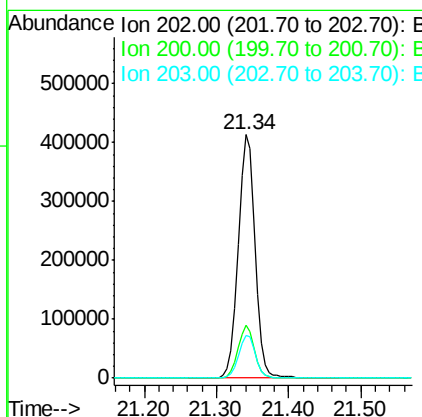
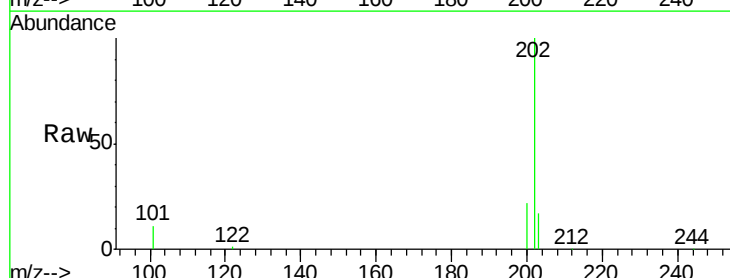
RT: 21.34 min Scan# 3531

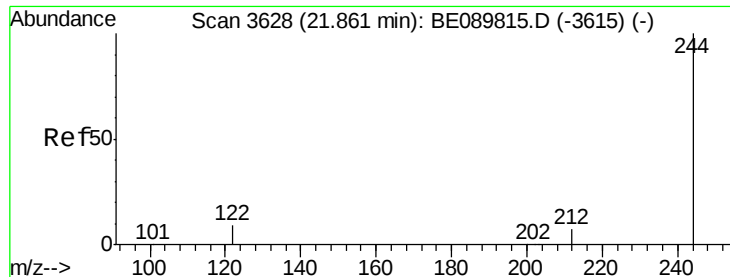
Delta R.T. -0.01 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Tgt	Ion	202	Resp:	666212
Ion	Ratio	Lower	Upper	
202	100			
200	21.1	15.9	23.9	
203	17.6	13.6	20.4	





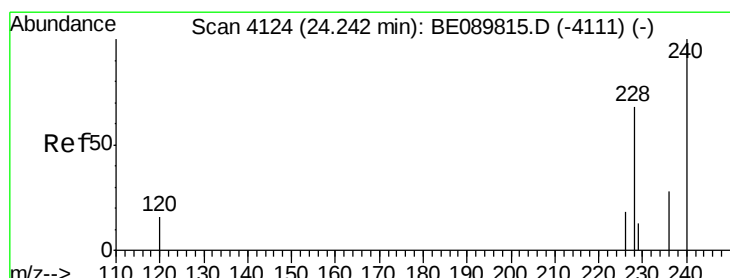
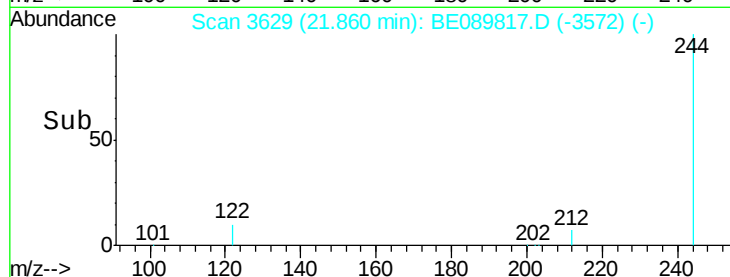
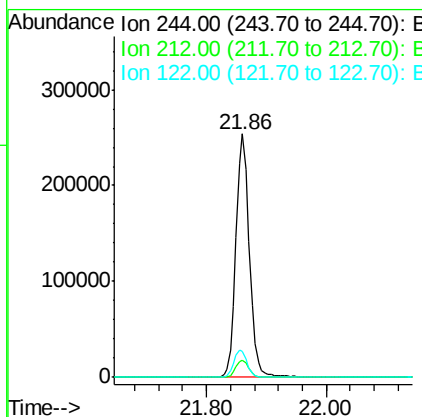
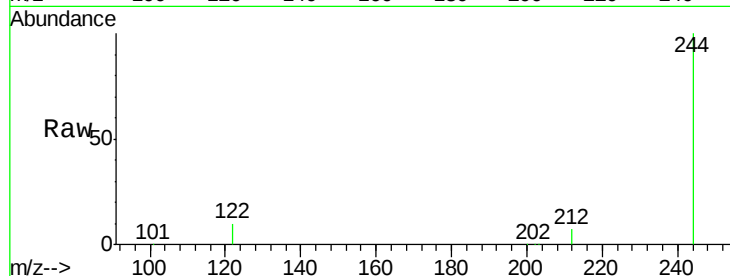
#21
 Terphenyl-d14
 Concen: 4.85 ng
 RT: 21.86 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

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

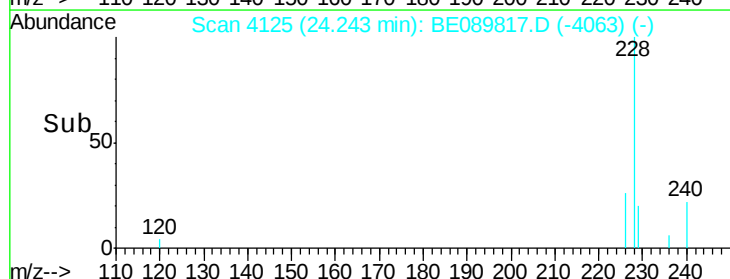
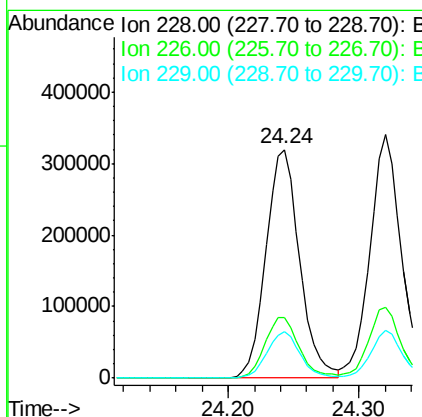
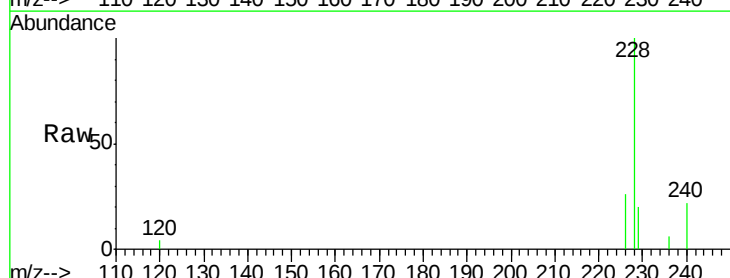
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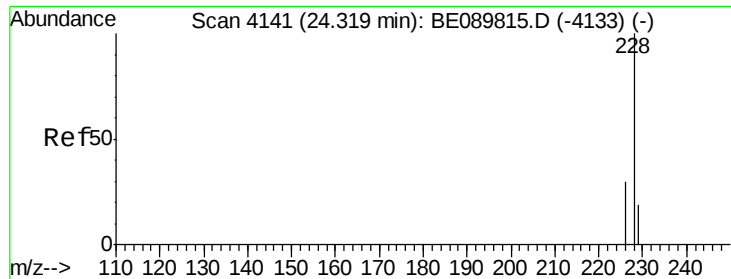
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#22
 Benzo(a)anthracene
 Concen: 5.73 ng
 RT: 24.24 min Scan# 4125
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	19.8	29.8
229	20.2	16.3	24.5





#23

Chrysene

Concen: 5.21 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

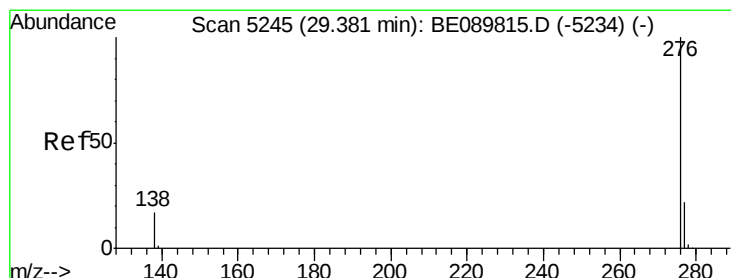
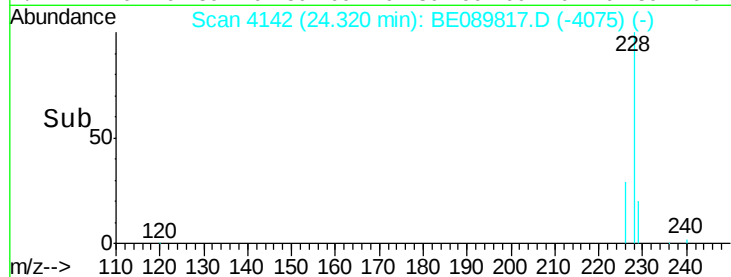
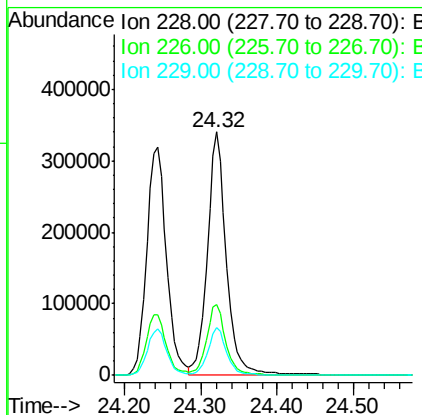
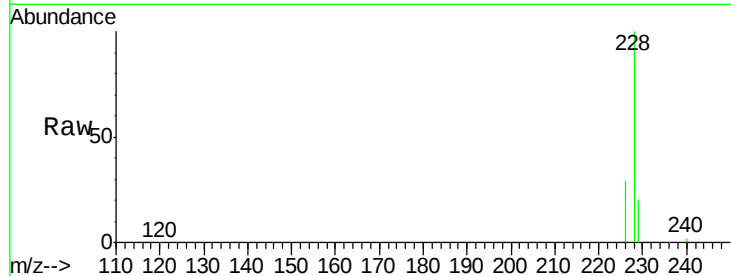
ClientSampleId :

SSTDIC005

Tgt	Ion	228	Resp:	583821
Ion	Ratio	Lower	Upper	
228	100			
226	29.1	23.0	34.4	
229	19.6	15.8	23.6	

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#24

Indeno(1,2,3-cd)pyrene

Concen: 10.94 ng m

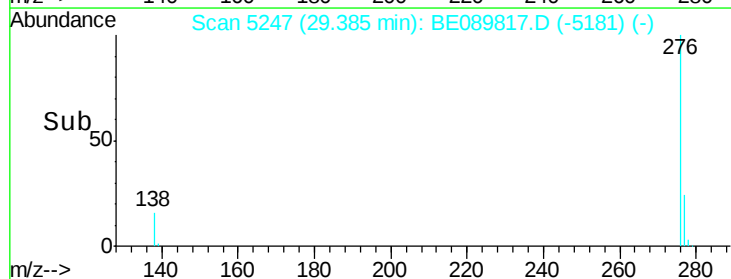
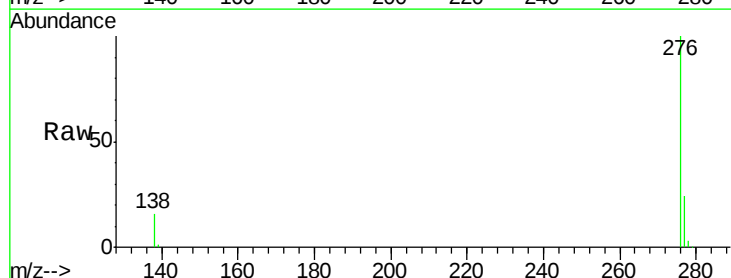
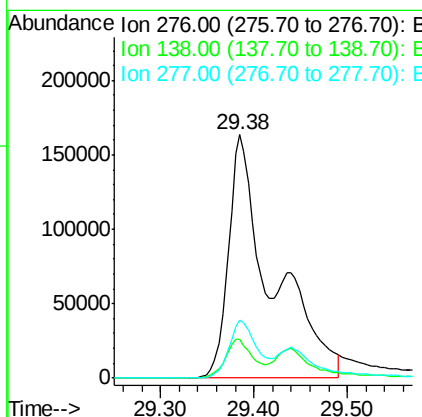
RT: 29.38 min Scan# 5247

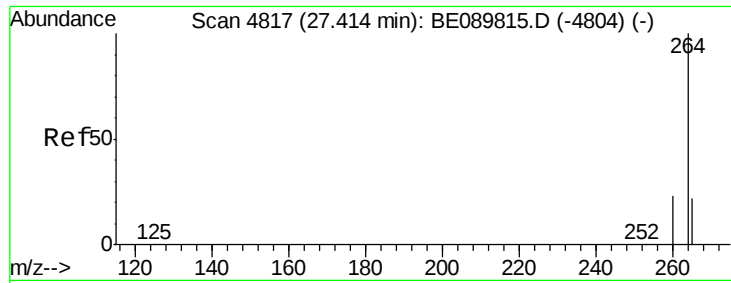
Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Tgt	Ion	276	Resp:	527267
Ion	Ratio	Lower	Upper	
276	100			
138	10.2	4.3	6.5#	
277	15.3	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: BE089817.D

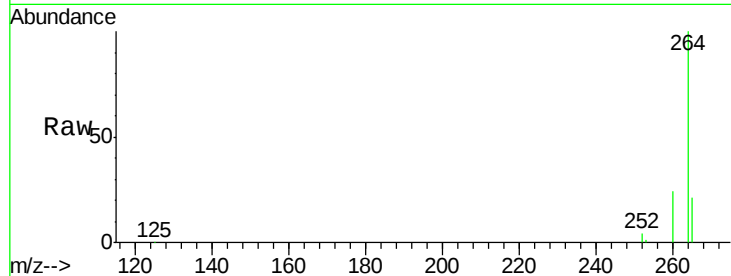
Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

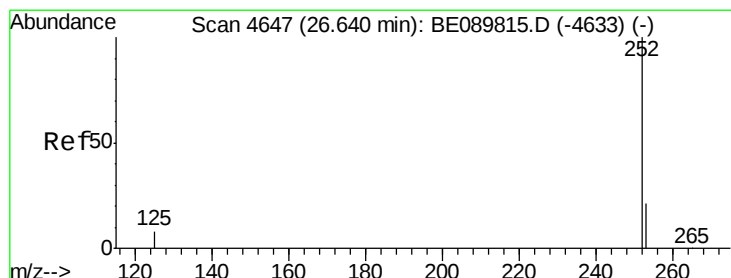
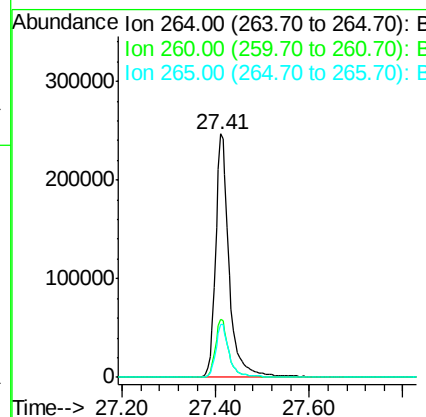
SSTDICC005



Tgt Ion:	264	Resp:	494689
Ion Ratio		Lower	Upper
264	100		
260	24.0	18.2	27.2
265	21.5	17.3	25.9

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#26

Benzo(b)fluoranthene

Concen: 7.80 ng

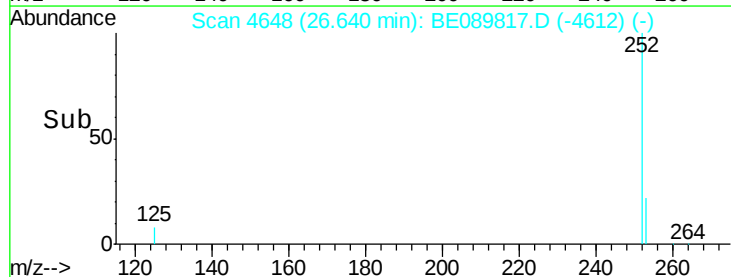
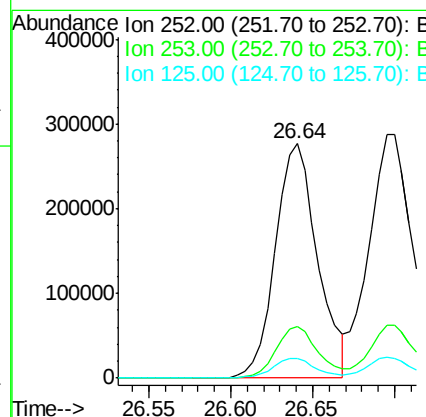
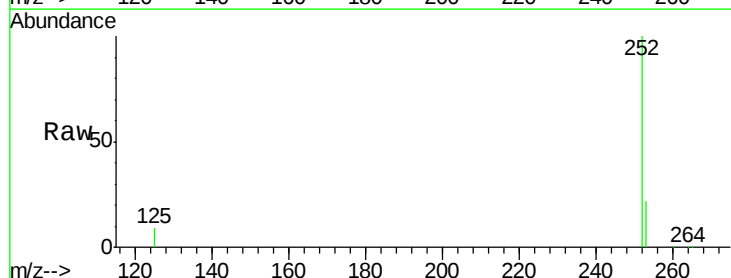
RT: 26.64 min Scan# 4648

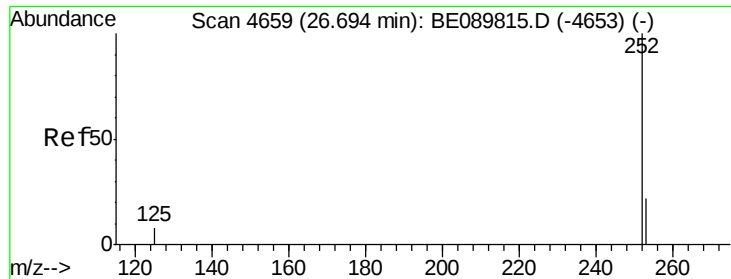
Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Tgt Ion:	252	Resp:	495424
Ion Ratio		Lower	Upper
252	100		
253	22.0	17.8	26.6
125	8.5	8.7	13.1#





#27

Benzo(k)fluoranthene

Concen: 6.34 ng m

RT: 26.70 min Scan# 4660

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

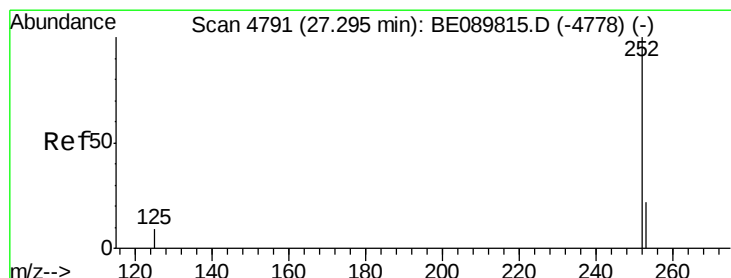
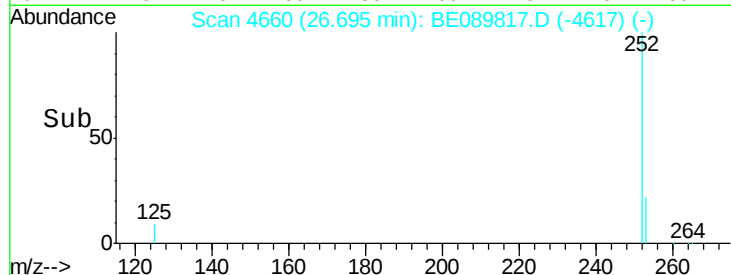
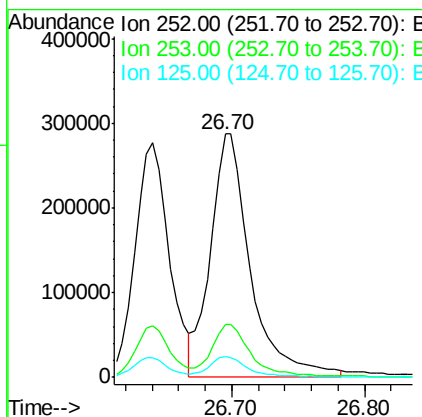
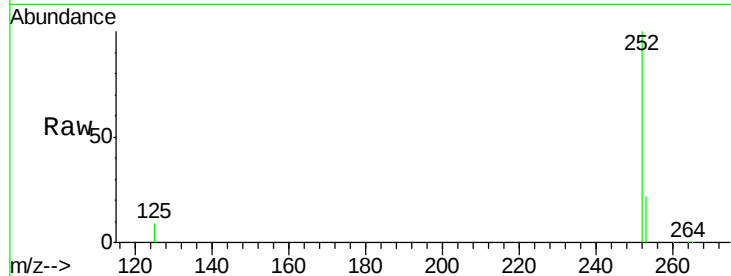
ClientSampleId :

SSTDICC005

Tgt Ion:	252	Resp:	602253
Ion Ratio		Lower	Upper
252	100		
253	21.6	18.6	28.0
125	8.6	10.8	16.2#

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#28

Benzo(a)pyrene

Concen: 7.86 ng

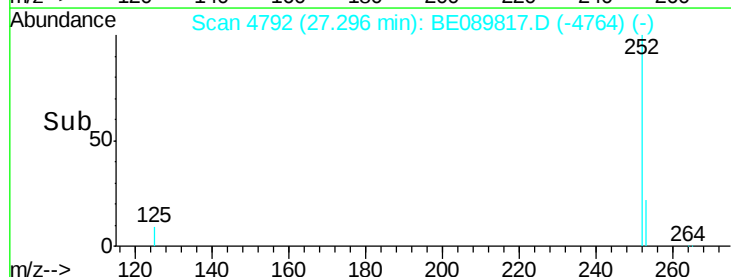
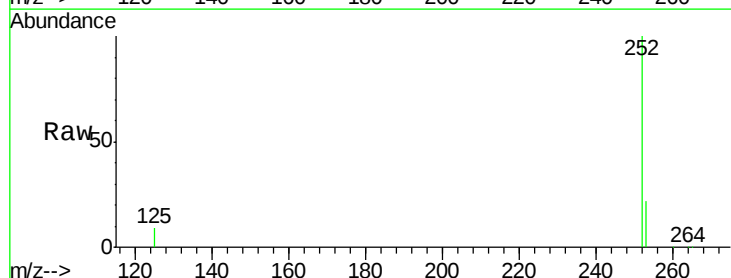
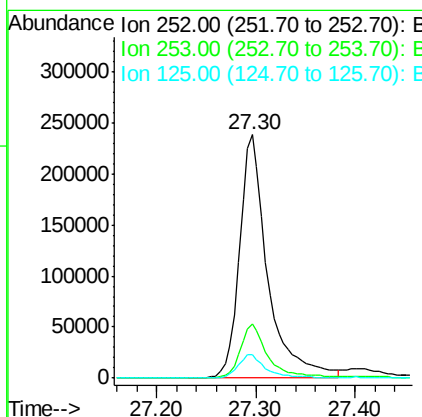
RT: 27.30 min Scan# 4792

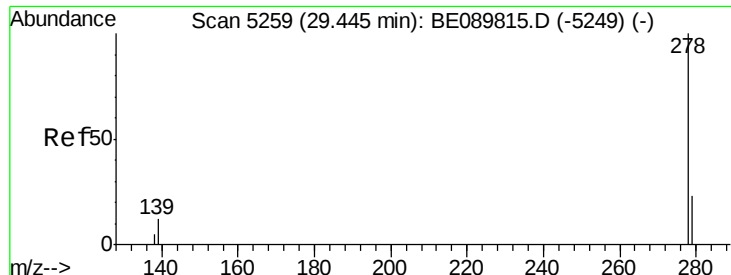
Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Tgt Ion:	252	Resp:	470707
Ion Ratio		Lower	Upper
252	100		
253	22.3	21.0	31.4
125	9.4	13.3	19.9#





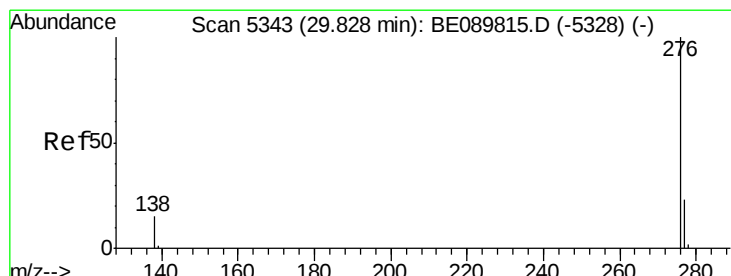
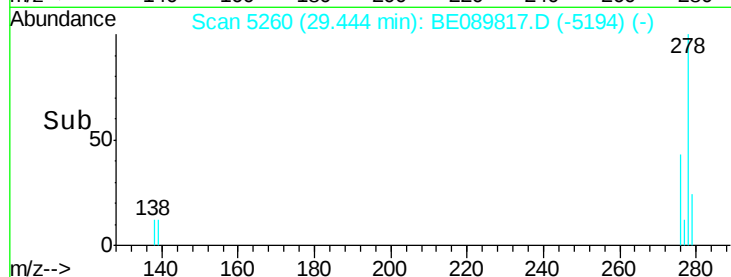
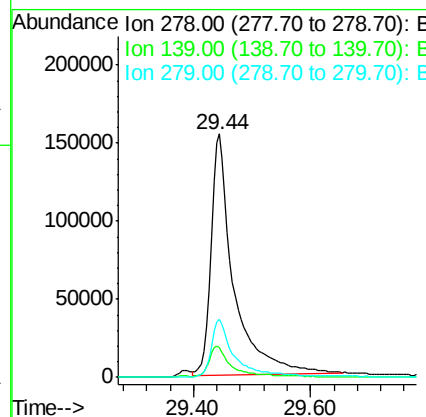
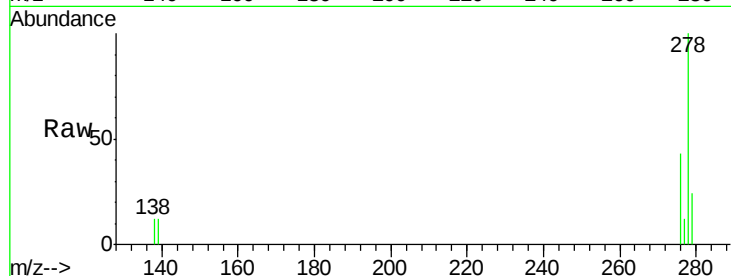
#29
Dibenzo(a,h)anthracene
Concen: 11.31 ng
RT: 29.44 min Scan# 5260
Delta R.T. 0.00 min
Lab File: BE089817.D
Acq: 24 Mar 2015 16:10

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.0	20.0	30.0#
279	24.0	28.9	43.3#

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#30
Benzo(g,h,i)perylene
Concen: 7.68 ng
RT: 29.83 min Scan# 5344
Delta R.T. 0.01 min
Lab File: BE089817.D
Acq: 24 Mar 2015 16:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	17.2	22.9	34.3#

