

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089826.D
 Acq On : 25 Mar 2015 00:13
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 SSTDCCC001

Manual Integrations
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mohammad
 3/25/2015 5:43:10 PM

Quant Time: Mar 25 17:28:38 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	196790	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	801683	5.00	ng	0.00
8) Acenaphthene-d10	14.38	164	363764	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	616422	5.00	ng	0.00
19) Chrysene-d12	24.26	240	558818	5.00	ng	0.00
25) Perylene-d12	27.41	264	472407	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	56792	1.20	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	89074	1.05	ng	0.00
21) Terphenyl-d14	21.87	244	78508	0.95	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.55	88	26306	1.03	ng	92
3) n-Nitrosodimethylamine	2.97	42	37641	1.01	ng	# 73
6) Naphthalene	10.30	128	156773	0.99	ng	95
7) 2-Methylnaphthalene	11.93	142	93124	1.06	ng	99
10) Acenaphthylene	14.03	152	547011	1.05	ng	98
11) Acenaphthene	14.46	154	80145	1.01	ng	87
12) Fluorene	15.70	166	97278	1.01	ng	93
14) Hexachlorobenzene	16.98	284	20533	1.00	ng	94
15) Pentachlorophenol	17.50	266	4502	0.80	ng	95
16) Phenanthrene	17.97	178	136820	1.01	ng	99
17) Anthracene	18.10	178	125701	1.04	ng	100
18) Fluoranthene	20.82	202	132828	1.09	ng	99
20) Pyrene	21.34	202	137492	0.97	ng	99
22) Benzo(a)anthracene	24.25	228	96517	0.92	ng	97
23) Chrysene	24.32	228	116103	1.02	ng	98
24) Indeno(1,2,3-cd)pyrene	29.38	276	33989m	0.70	ng	
26) Benzo(b)fluoranthene	26.64	252	42475	0.71	ng	100
27) Benzo(k)fluoranthene	26.70	252	98692	1.02	ng	# 94
28) Benzo(a)pyrene	27.30	252	47479	0.78	ng	# 90
29) Dibenzo(a,h)anthracene	29.44	278	26232	0.64	ng	# 80
30) Benzo(g,h,i)perylene	29.83	276	64365	0.88	ng	# 89

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

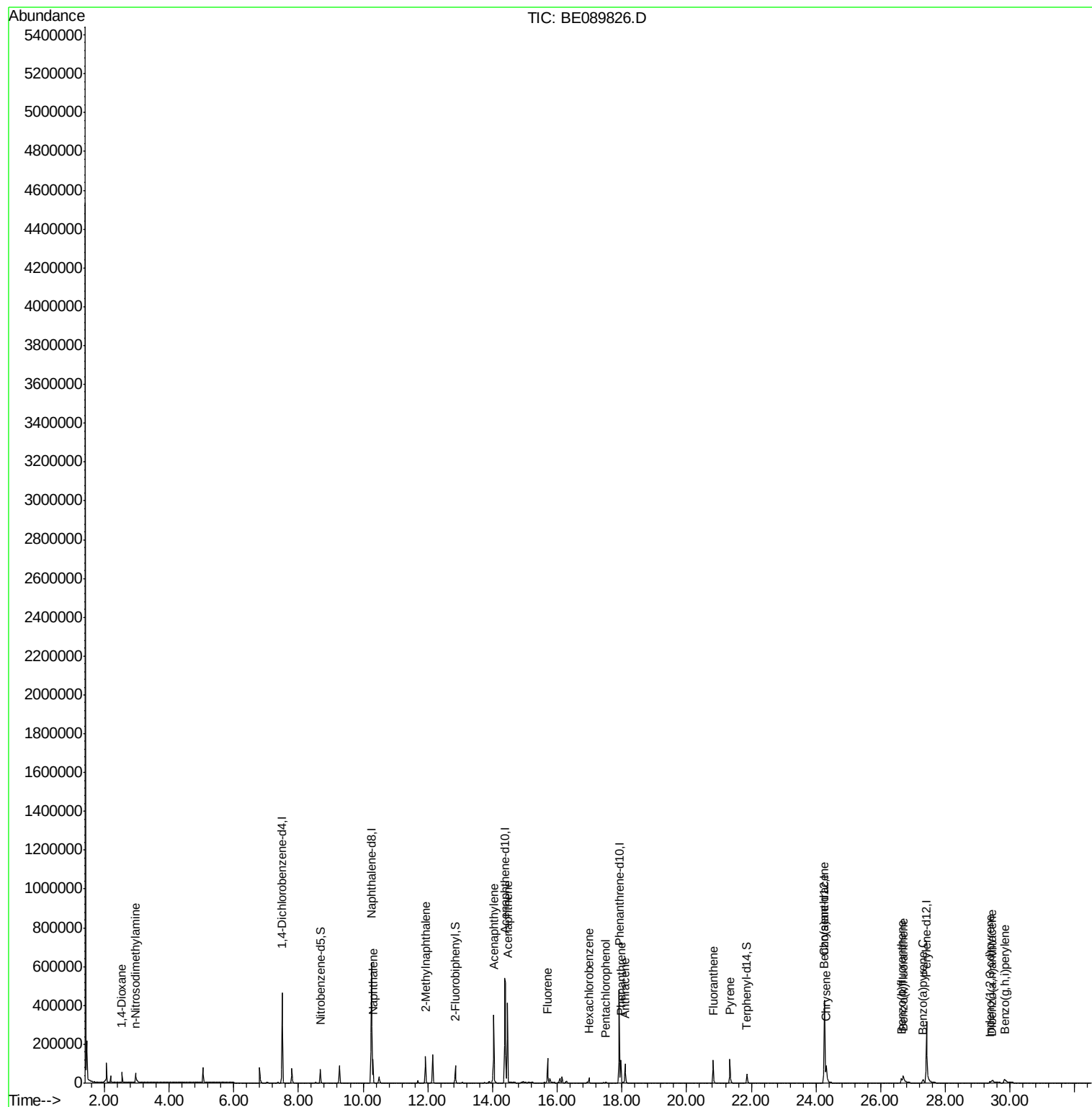
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
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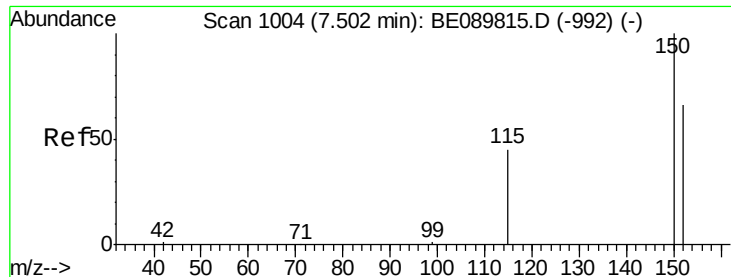
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

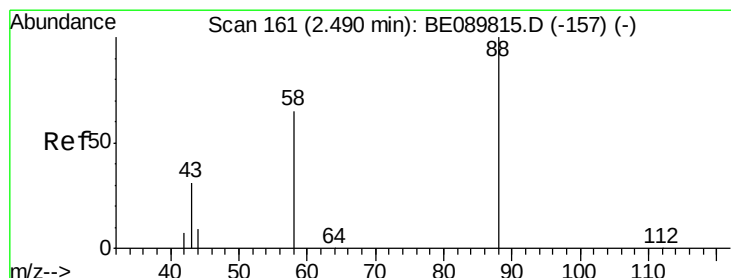
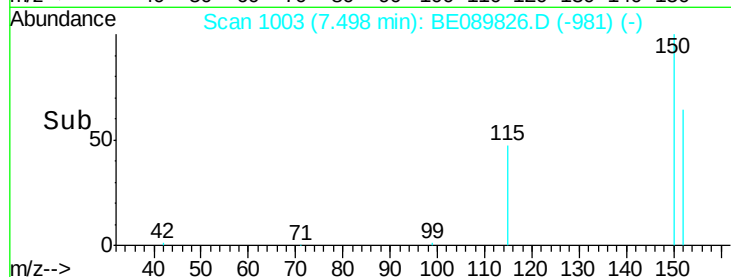
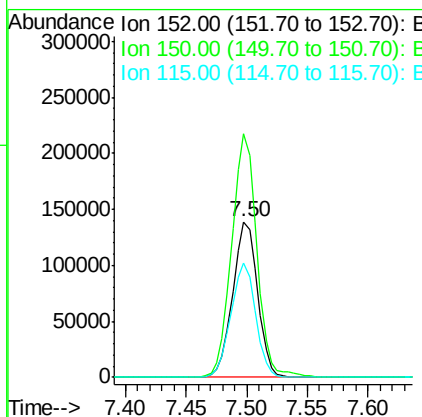
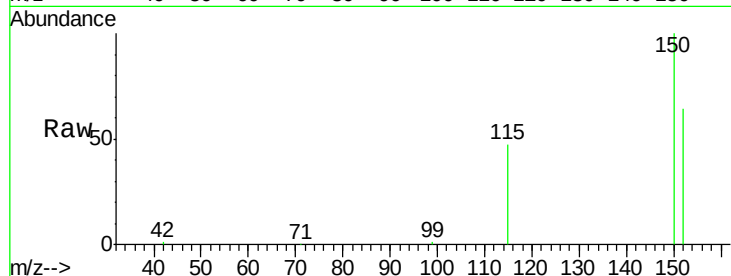
ClientSampleId :

SSTDCCC001

Tgt Ion:	152	Resp:	196790
Ion Ratio	Lower	Upper	
152	100		
150	156.1	125.5	188.3
115	73.5	58.0	87.0

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#2

1,4-Dioxane

Concen: 1.03 ng

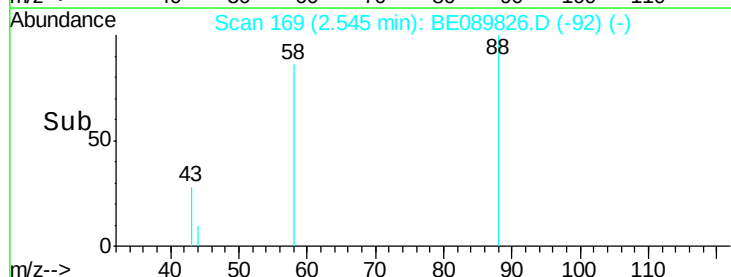
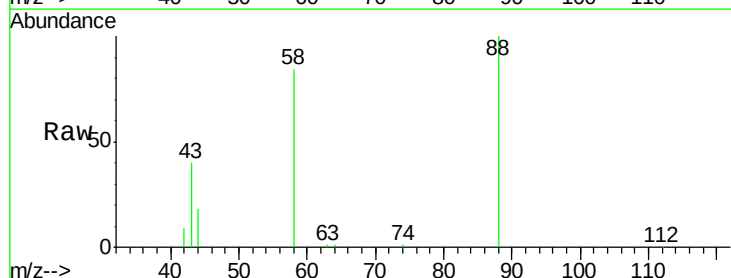
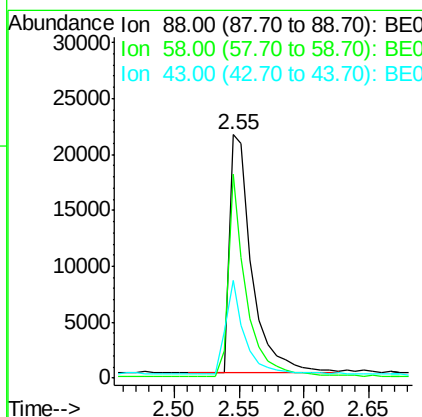
RT: 2.55 min Scan# 169

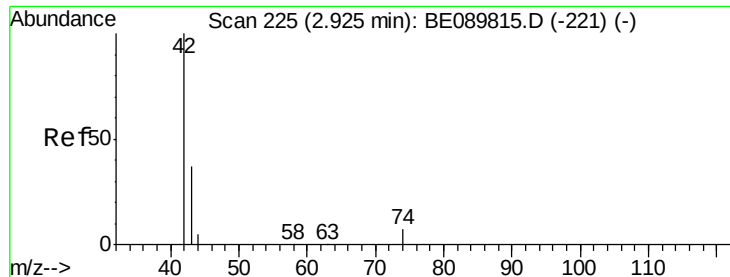
Delta R.T. 0.02 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Tgt Ion:	88	Resp:	26306
Ion Ratio	Lower	Upper	
88	100		
58	69.0	48.6	72.8
43	33.4	28.6	43.0





#3

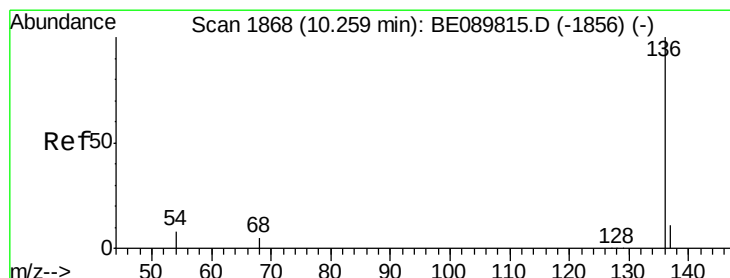
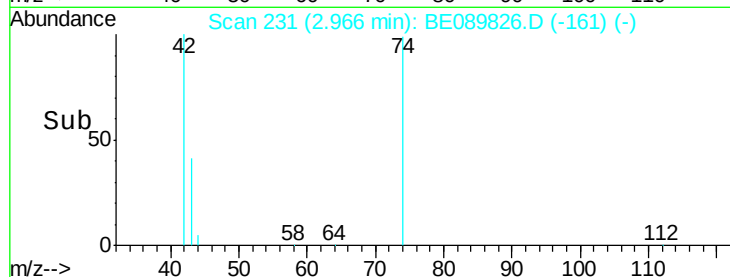
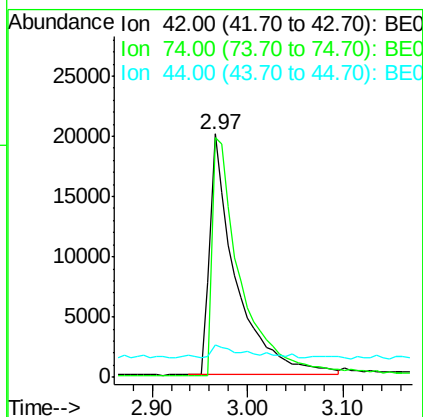
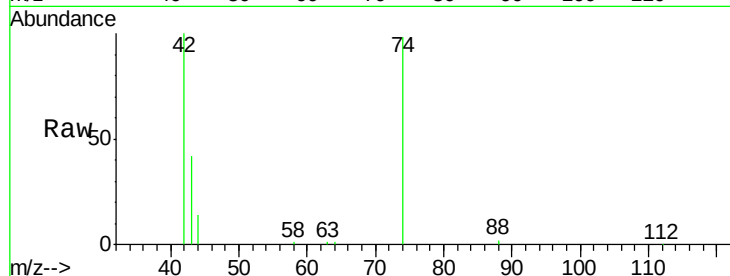
n-Nitrosodimethylamine
 Concen: 1.01 ng
 RT: 2.97 min Scan# 231
 Delta R.T. -0.03 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
42	100		
74	111.8	68.7	103.1#
44	4.7	6.2	9.4#

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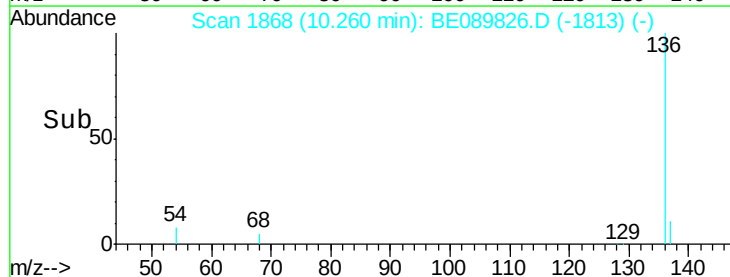
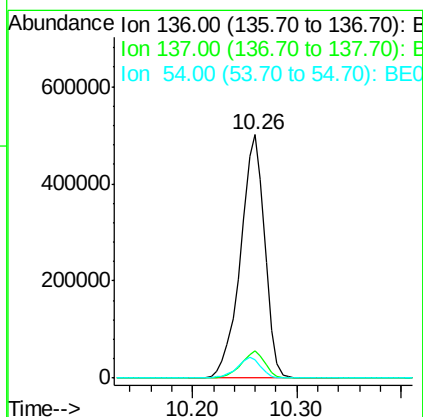
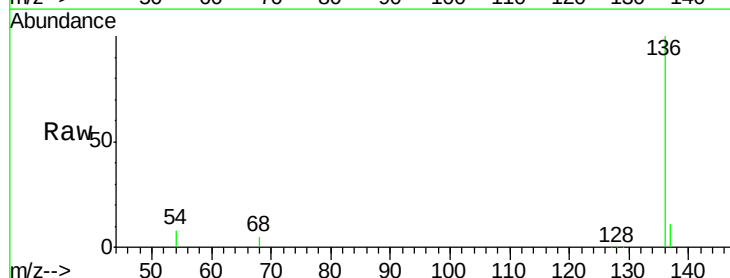
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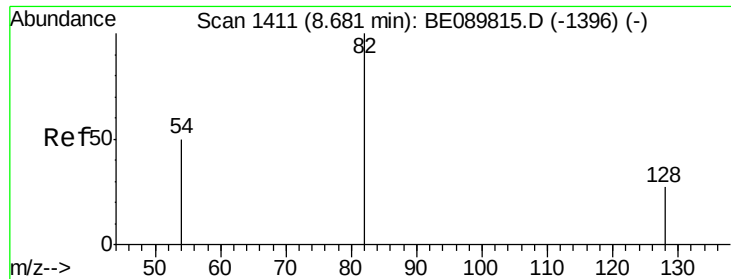


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.26 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.6	7.0	10.4





#5

Nitrobenzene-d5

Concen: 1.20 ng

RT: 8.68 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

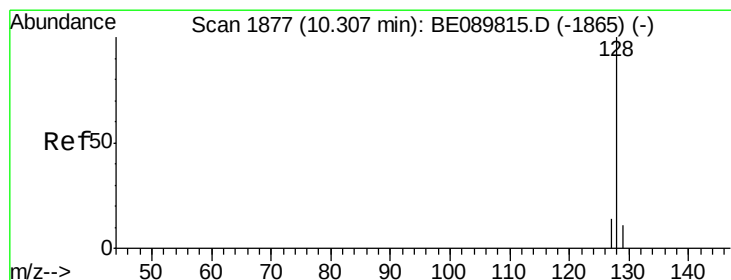
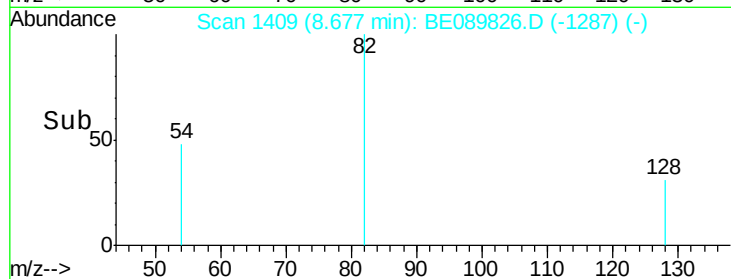
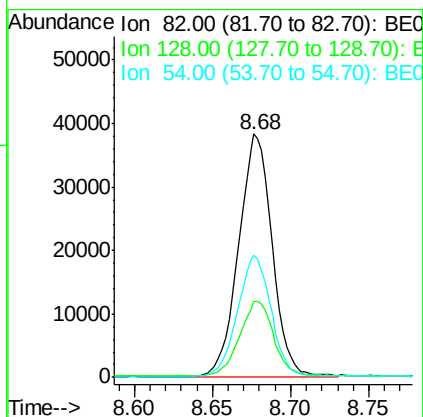
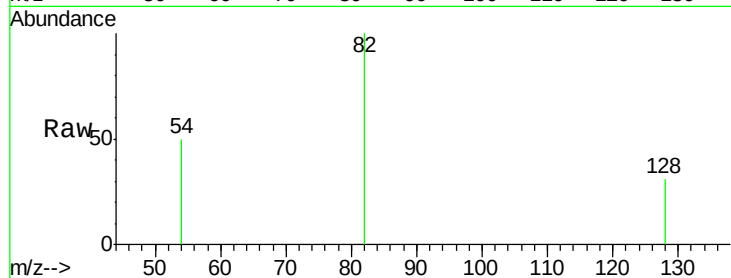
ClientSampleId :

SSTDCCC001

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Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.4	24.6	37.0
54	50.0	43.0	64.6



#6

Naphthalene

Concen: 0.99 ng

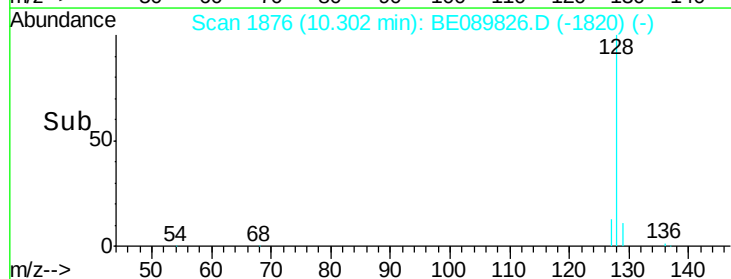
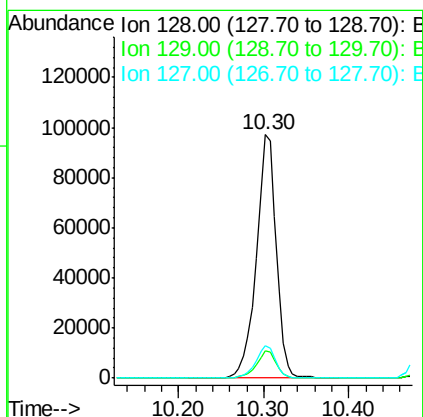
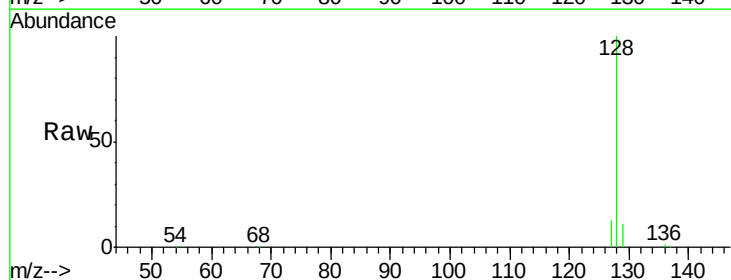
RT: 10.30 min Scan# 1876

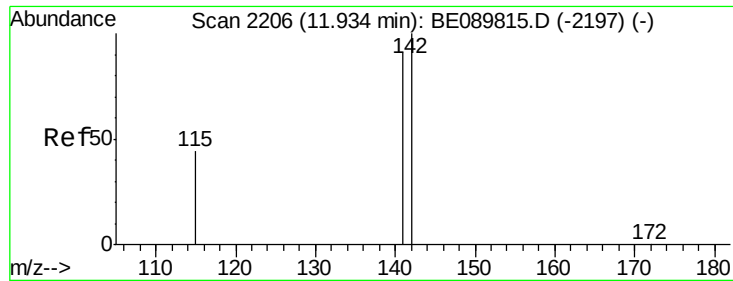
Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.0	15.0
127	13.1	12.5	18.7





#7

2-Methylnaphthalene

Concen: 1.06 ng

RT: 11.93 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

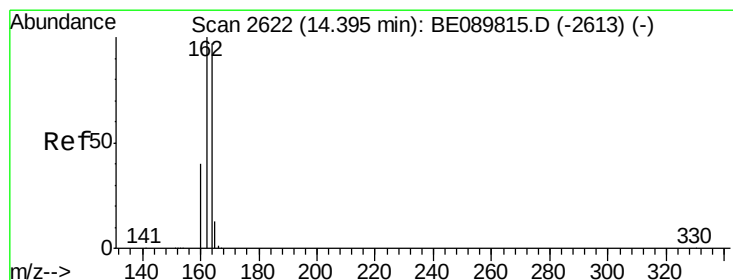
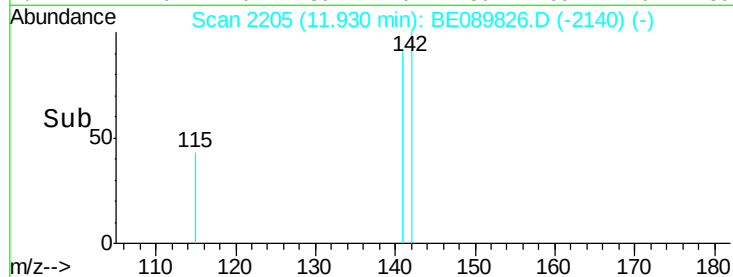
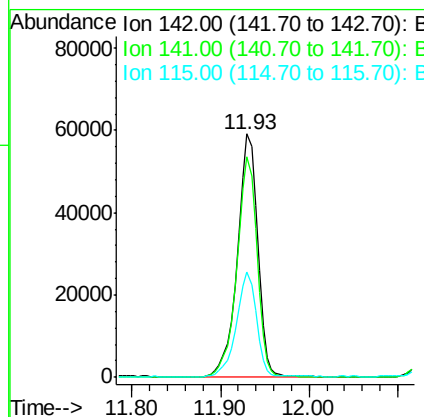
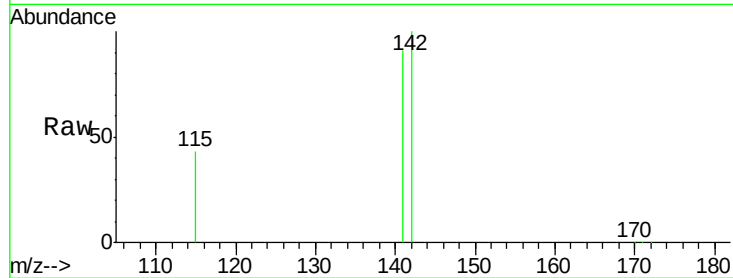
ClientSampleId :

SSTDCCC001

Tgt Ion:	142	Resp:	93124
Ion Ratio	Lower	Upper	
142	100		
141	90.8	72.8	109.2
115	43.3	32.9	49.3

Manual Integrations
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#8

Acenaphthene-d10

Concen: 5.00 ng

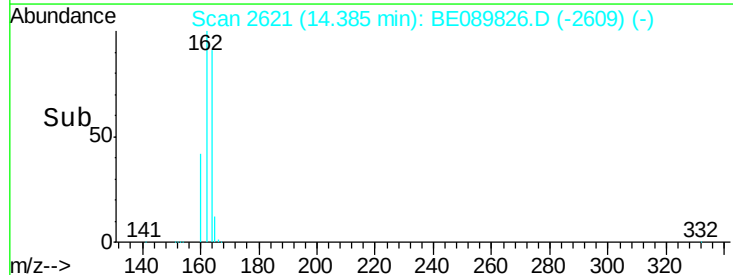
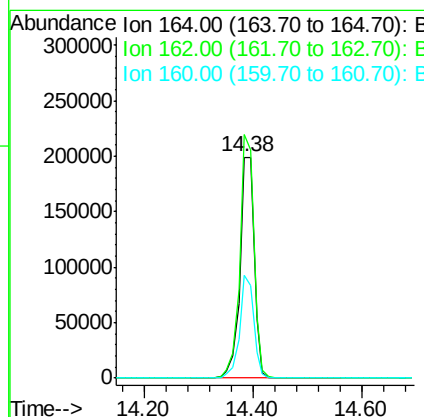
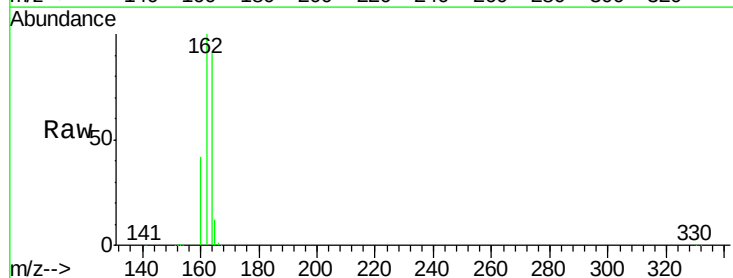
RT: 14.38 min Scan# 2621

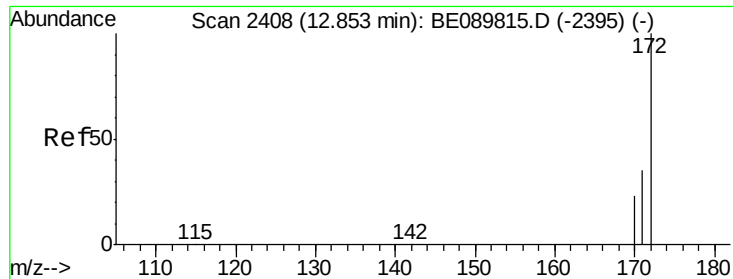
Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Tgt Ion:	164	Resp:	363764
Ion Ratio	Lower	Upper	
164	100		
162	110.3	87.6	131.4
160	46.8	36.7	55.1





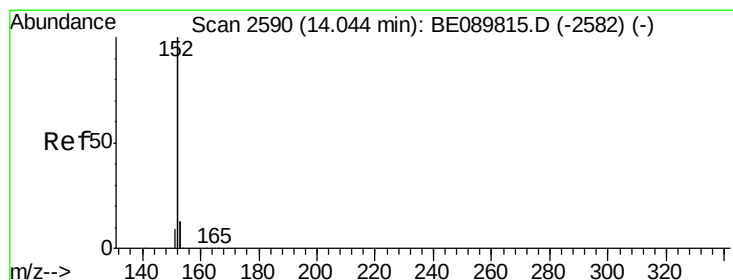
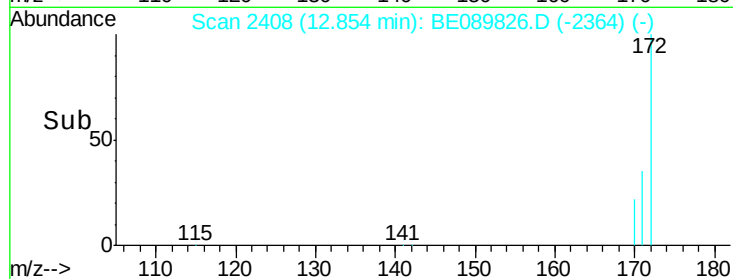
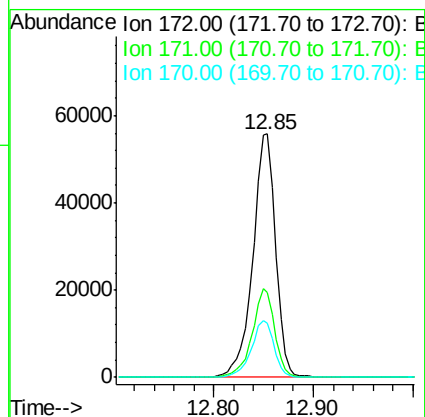
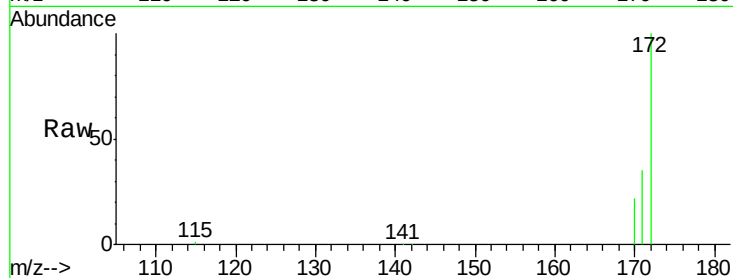
#9
2-Fluorobiphenyl
Concen: 1.05 ng
RT: 12.85 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.8	46.2
170	22.3	21.0	31.4

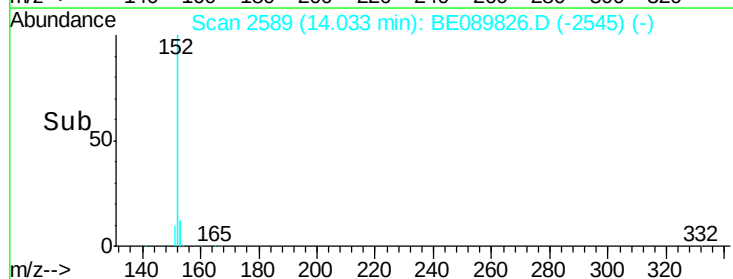
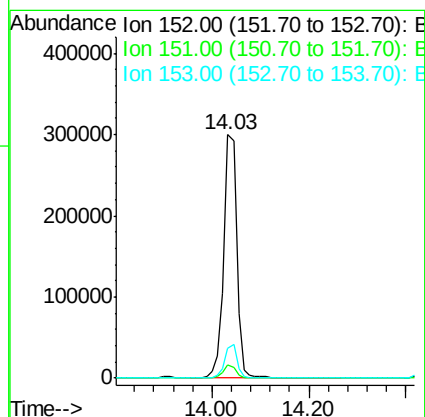
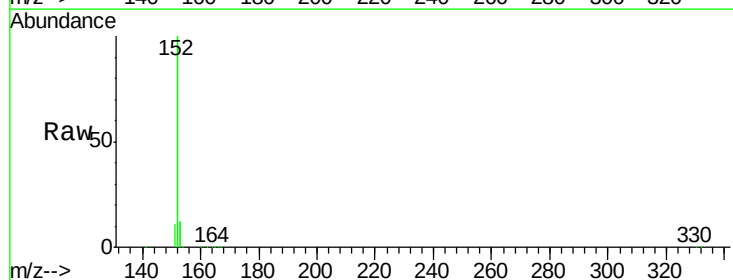
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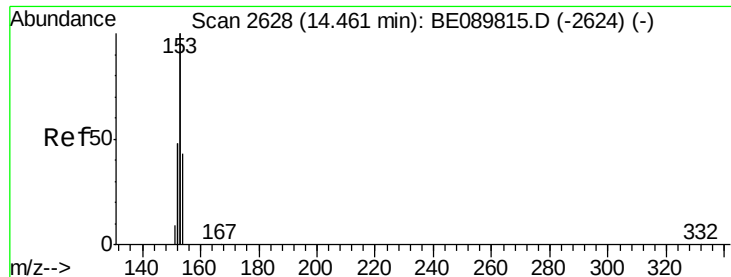
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#10
Acenaphthylene
Concen: 1.05 ng
RT: 14.03 min Scan# 2589
Delta R.T. -0.01 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	12.9	11.0	16.4





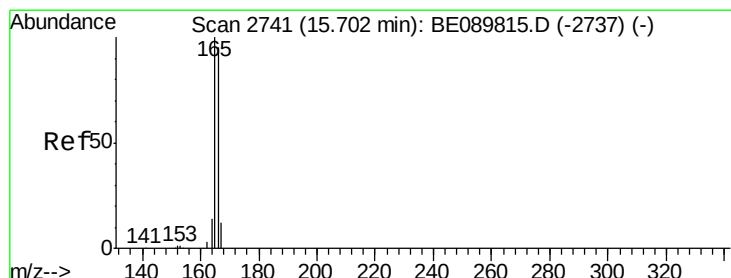
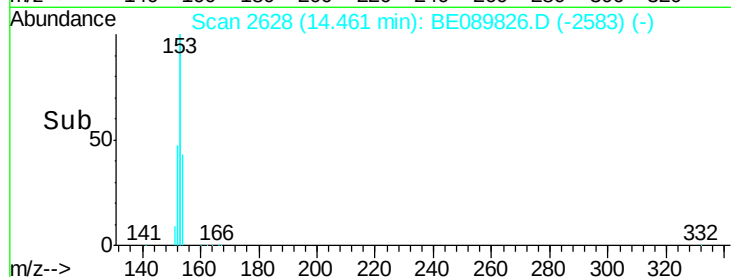
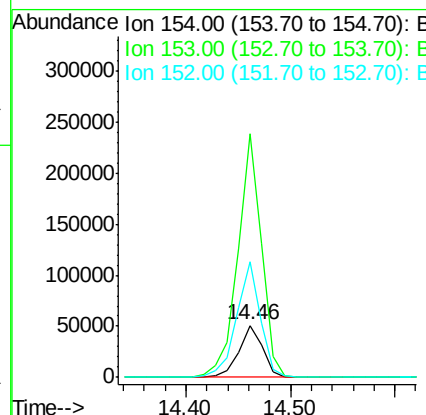
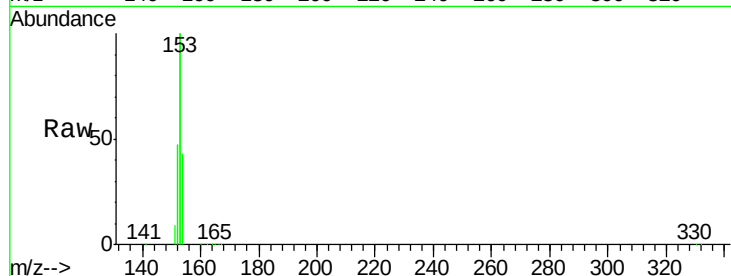
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Acenaphthene
Concen: 1.01 ng
RT: 14.46 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
154	100		
153	466.9	401.5	602.3
152	222.2	198.6	298.0

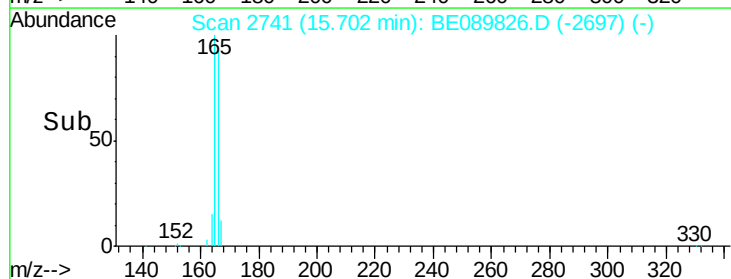
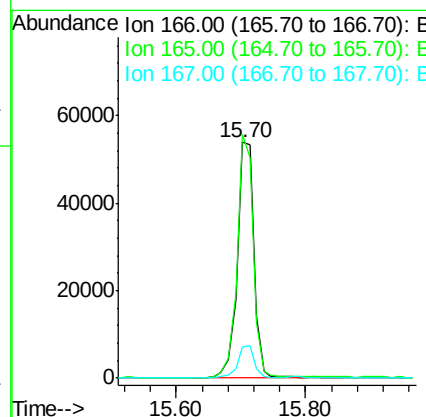
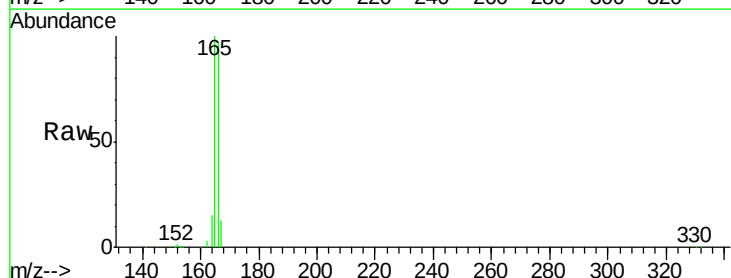
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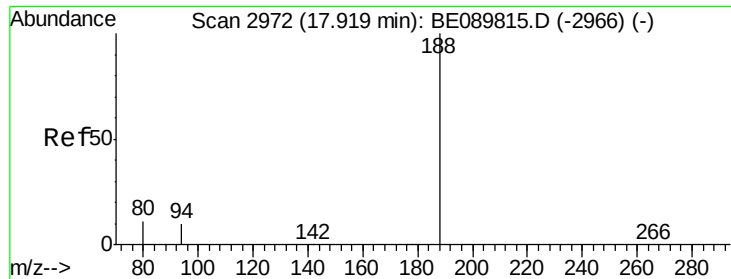
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#12
Fluorene
Concen: 1.01 ng
RT: 15.70 min Scan# 2741
Delta R.T. -0.01 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	85.1	127.7
167	13.4	12.2	18.4





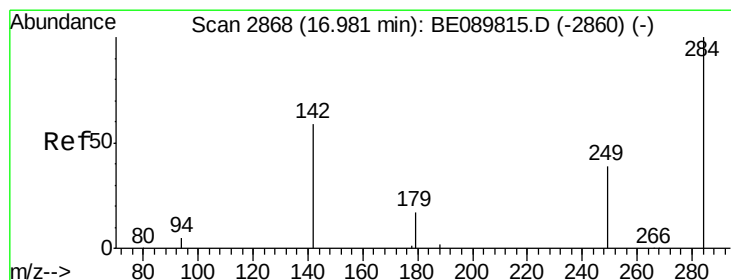
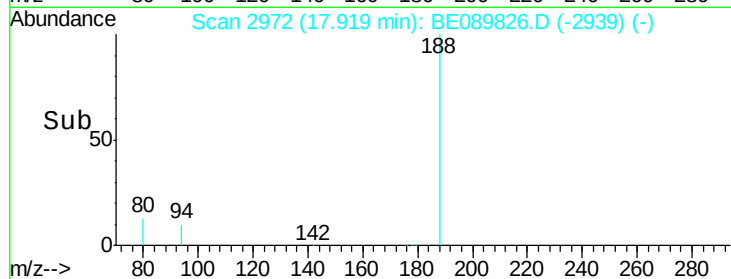
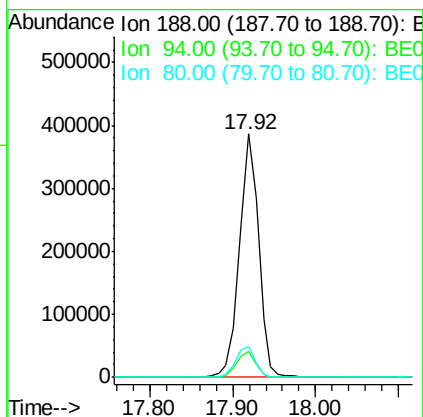
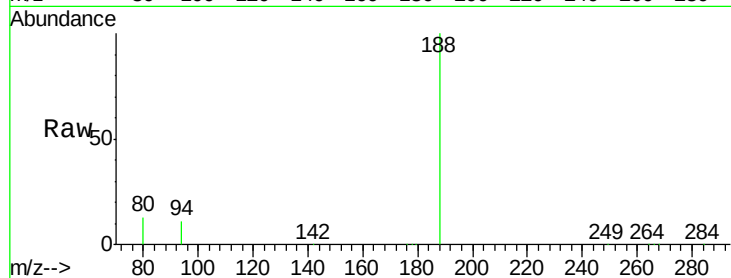
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	616422		
94	10.5		8.5	12.7
80	12.7		10.0	15.0

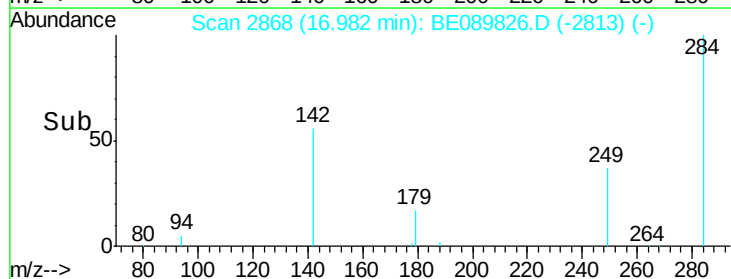
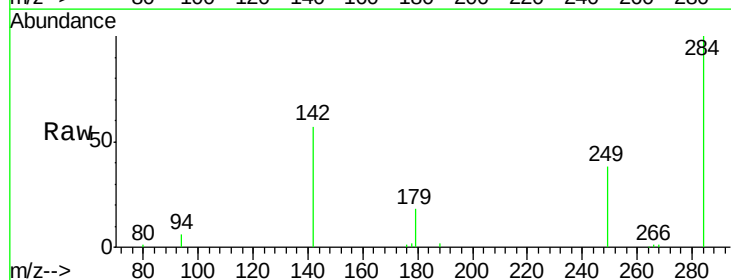
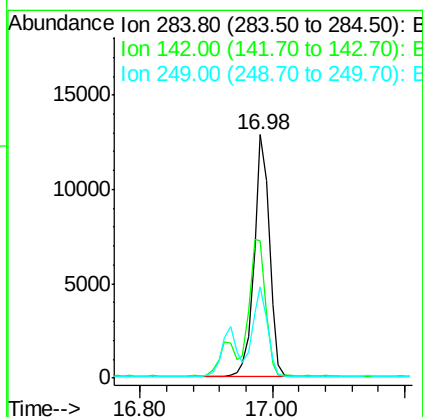
Manual Integrations
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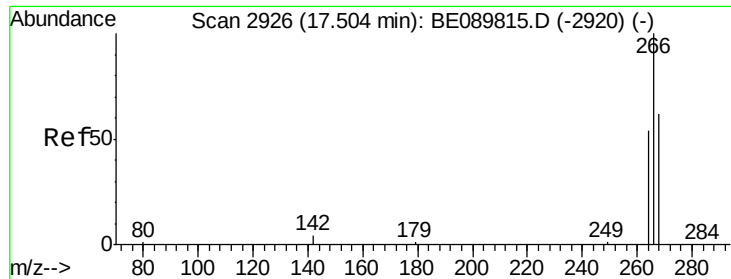
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#14
Hexachlorobenzene
Concen: 1.00 ng
RT: 16.98 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	20533		
142	61.0		53.3	79.9
249	35.6		31.1	46.7





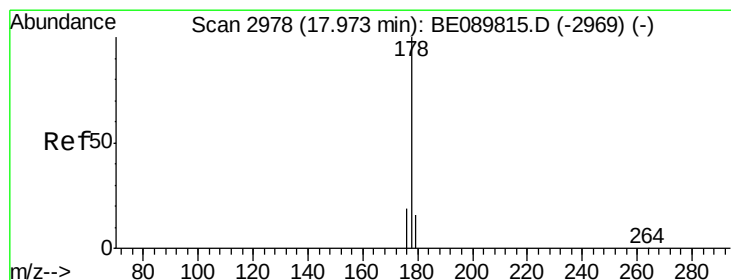
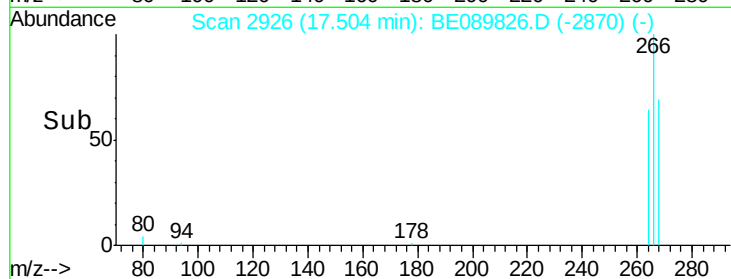
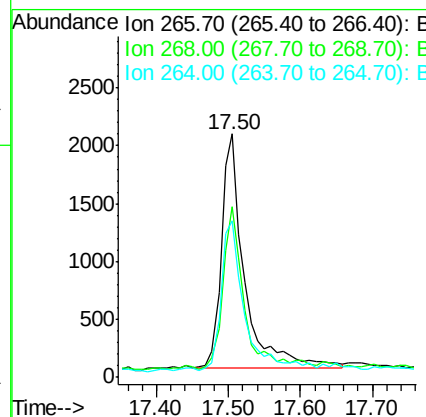
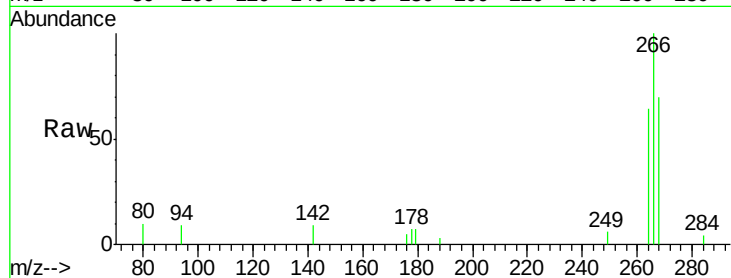
#15
 Pentachlorophenol
 Concen: 0.80 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. 0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
266	100		
268	69.9	51.6	77.4
264	64.5	50.2	75.2

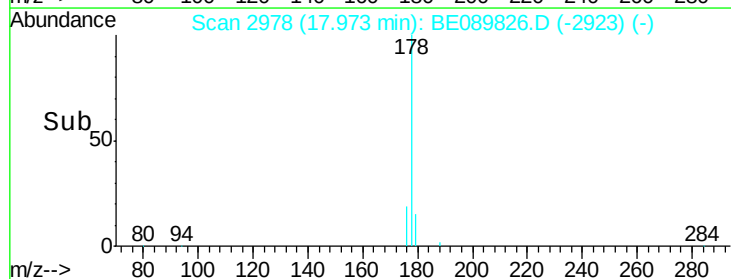
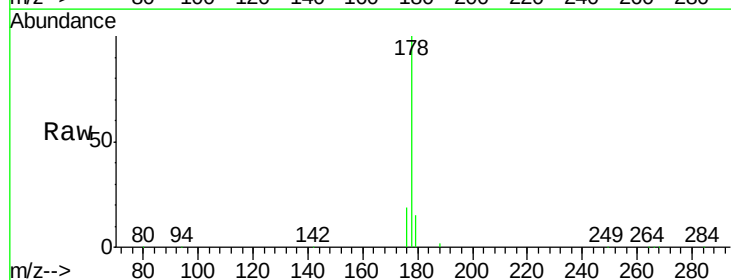
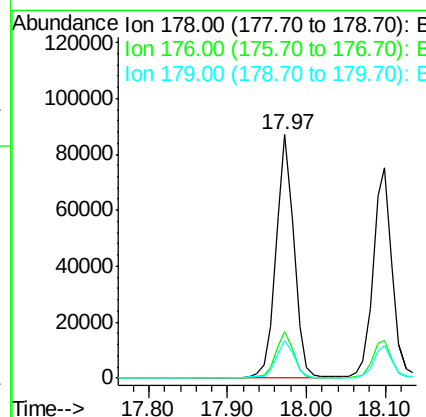
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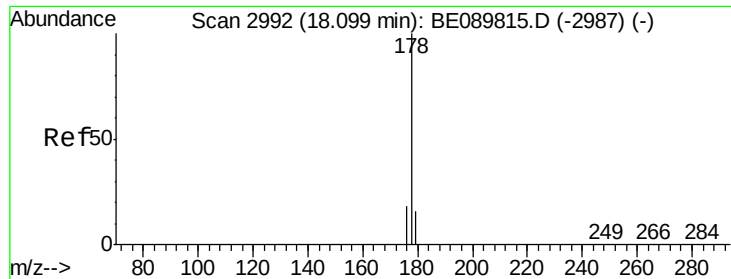
mohammad
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#16
 Phenanthrene
 Concen: 1.01 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.6	12.2	18.4





#17

Anthracene

Concen: 1.04 ng

RT: 18.10 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

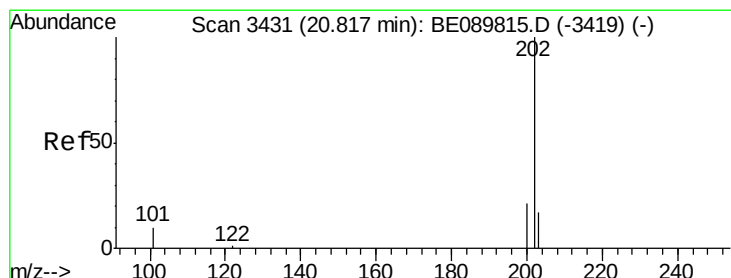
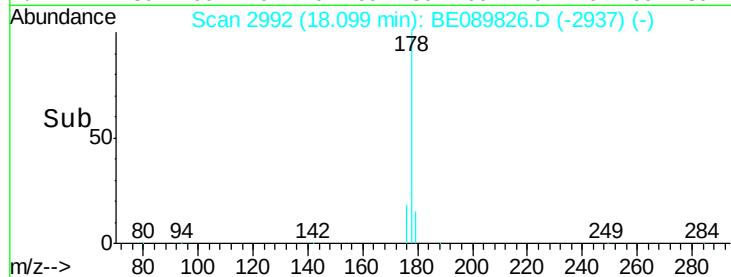
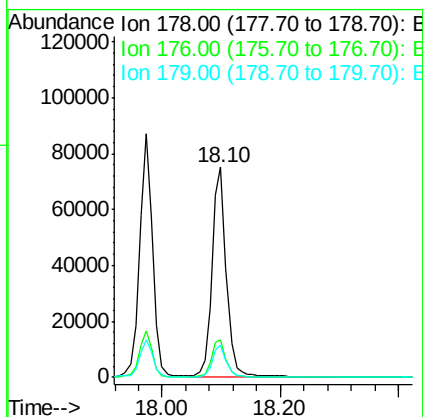
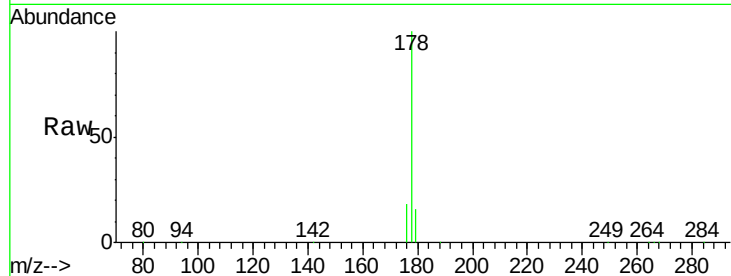
ClientSampleId :

SSTDCCC001

Tgt	Ion	178	Resp:	125701
Ion	Ratio	100	Lower	Upper
178	100			
176	18.3	14.6	21.8	
179	14.9	12.1	18.1	

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#18

Fluoranthene

Concen: 1.09 ng

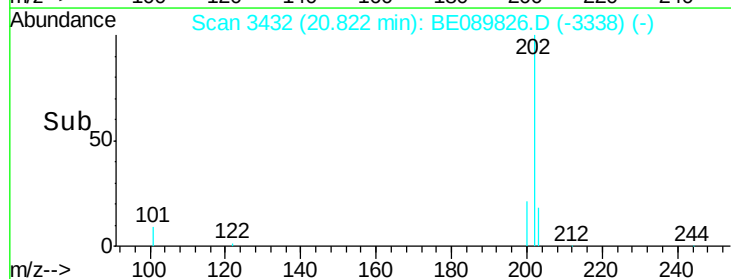
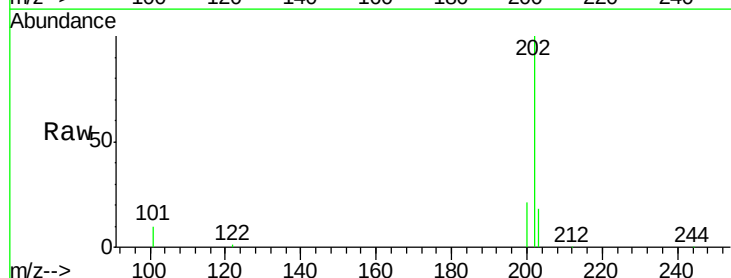
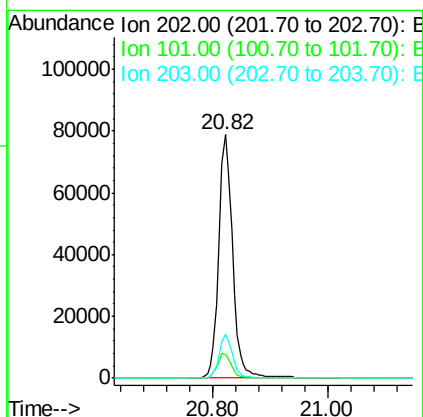
RT: 20.82 min Scan# 3432

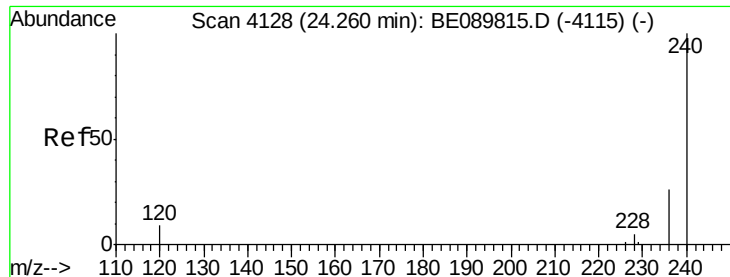
Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Tgt	Ion	202	Resp:	132828
Ion	Ratio	100	Lower	Upper
202	100			
101	10.0	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: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

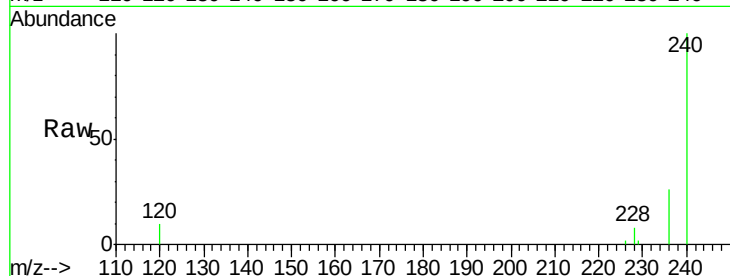
ClientSampleId :

SSTDCCC001

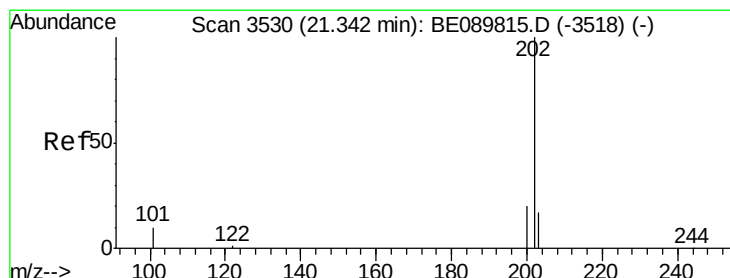
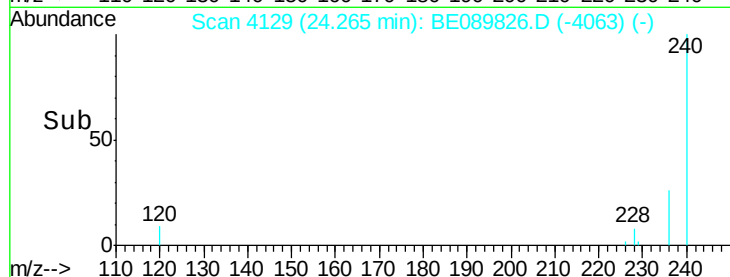
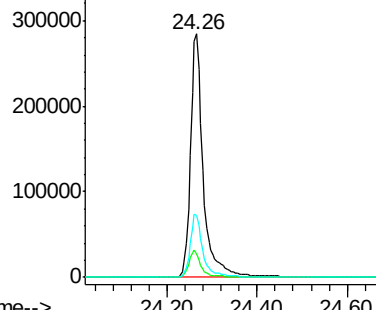
Tgt	Ion	240	Resp:	558818
Ion	Ratio	Lower	Upper	
240	100			
120	9.5	7.5	11.3	
236	25.5	20.5	30.7	

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.97 ng

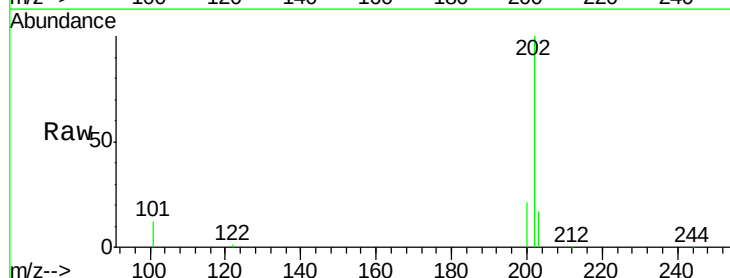
RT: 21.34 min Scan# 3530

Delta R.T. -0.01 min

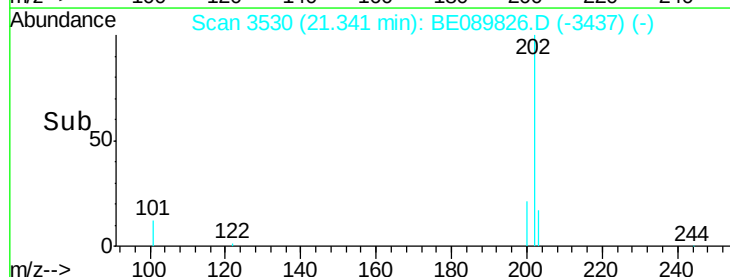
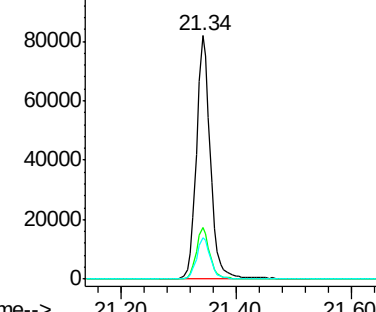
Lab File: BE089826.D

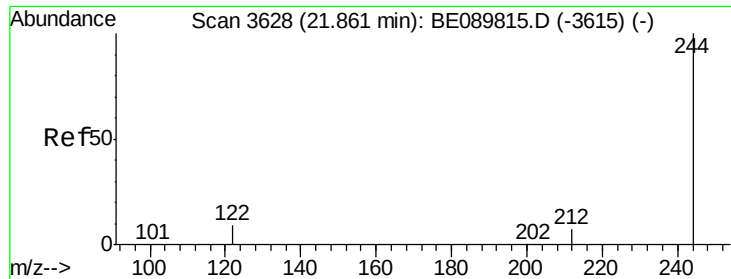
Acq: 25 Mar 2015 00:13

Tgt	Ion	202	Resp:	137492
Ion	Ratio	Lower	Upper	
202	100			
200	20.6	15.9	23.9	
203	16.8	13.6	20.4	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





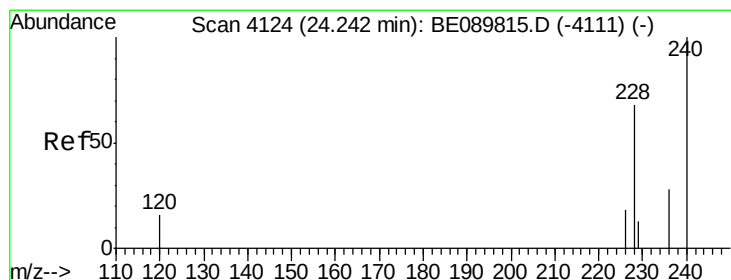
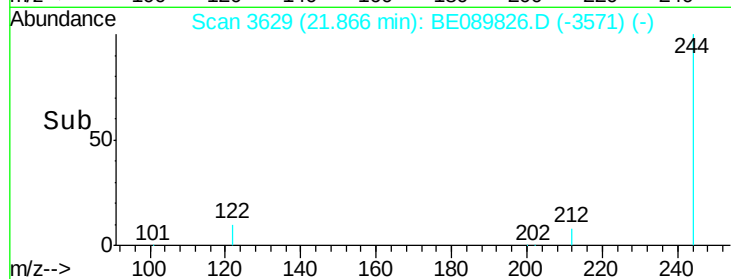
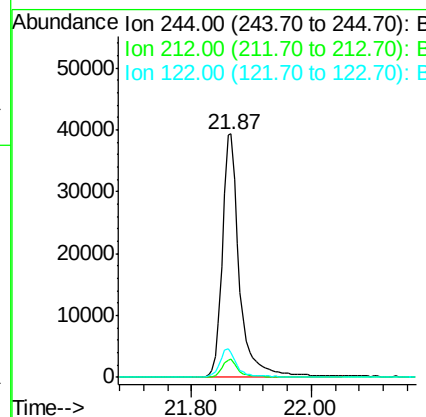
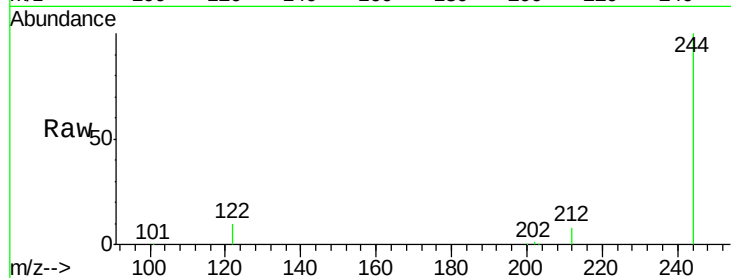
#21
 Terphenyl-d14
 Concen: 0.95 ng
 RT: 21.87 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	7.3	10.9
122	10.3	10.5	15.7#

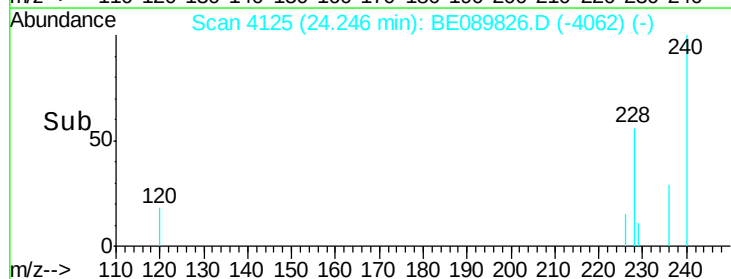
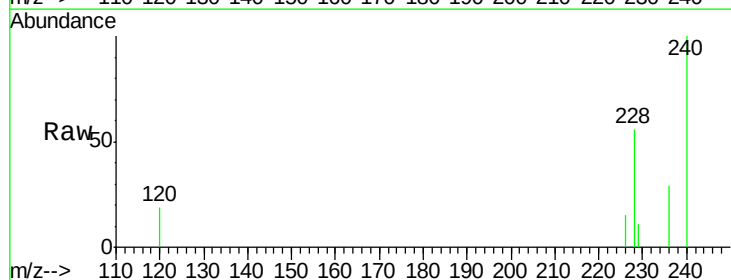
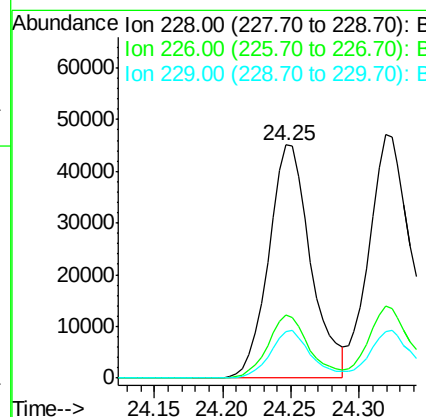
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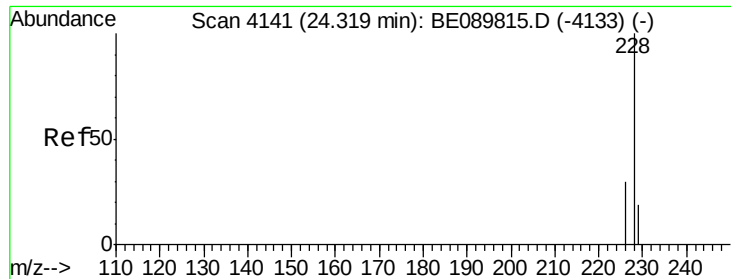
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#22
 Benzo(a)anthracene
 Concen: 0.92 ng
 RT: 24.25 min Scan# 4125
 Delta R.T. -0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	19.8	29.8
229	19.8	16.3	24.5





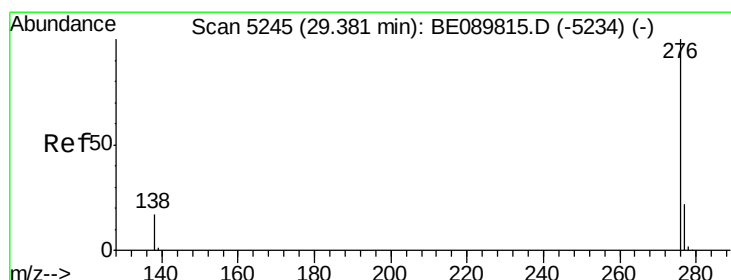
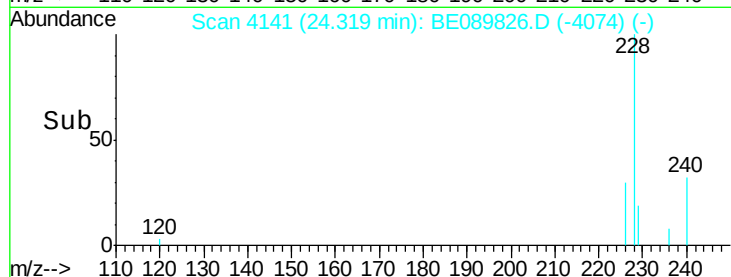
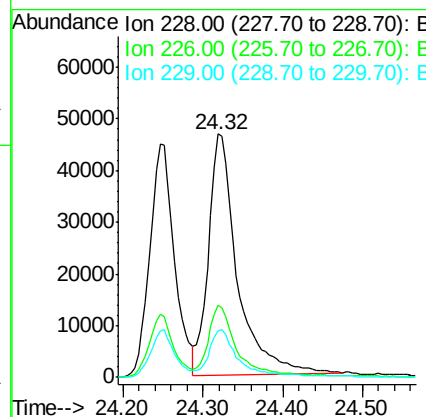
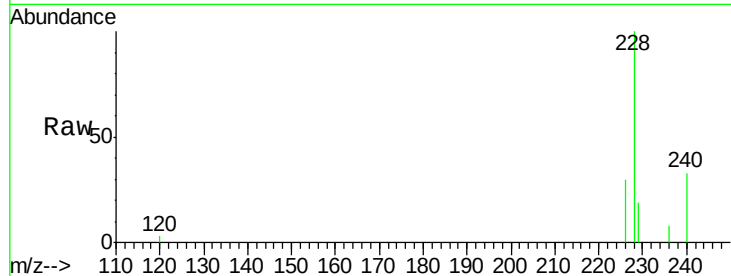
#23
Chrysene
Concen: 1.02 ng
RT: 24.32 min Scan# 4141
Delta R.T. 0.00 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.0	34.4
229	18.9	15.8	23.6

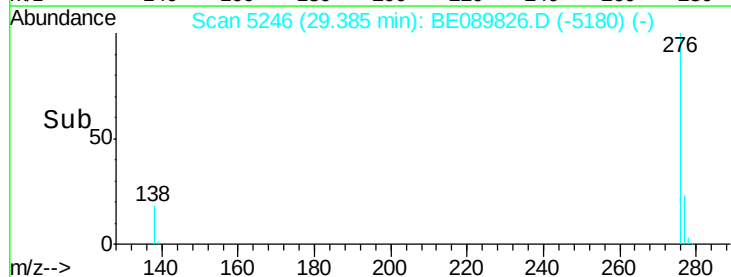
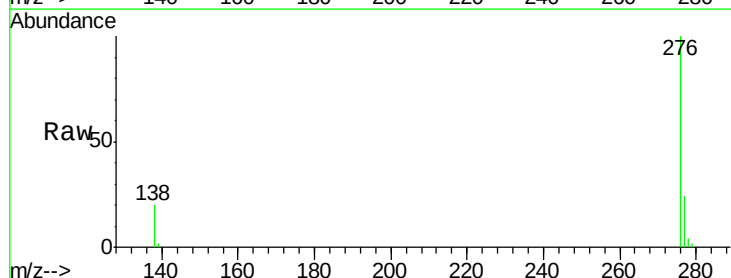
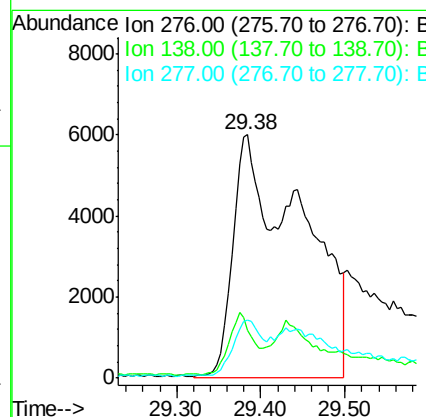
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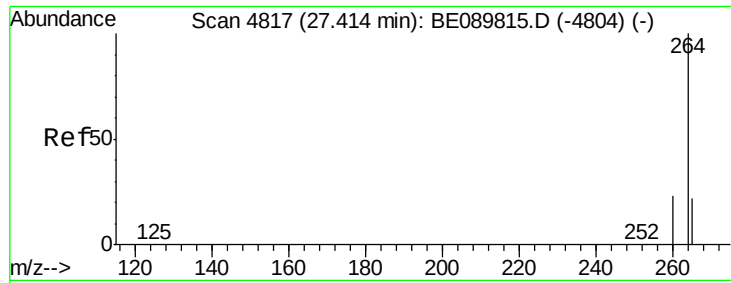
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#24
Indeno(1,2,3-cd)pyrene
Concen: 0.70 ng m
RT: 29.38 min Scan# 5246
Delta R.T. 0.00 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.9	4.3	6.5#
277	9.5	9.0	13.4





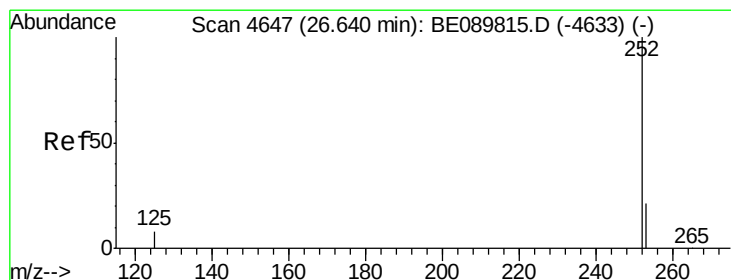
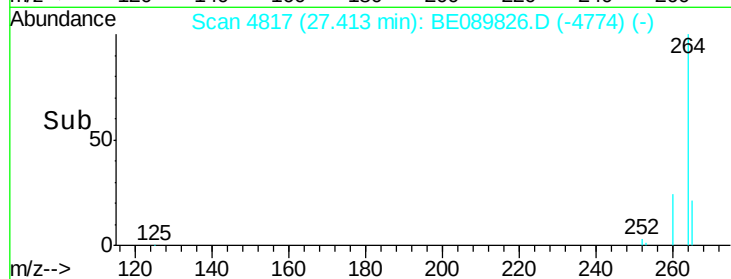
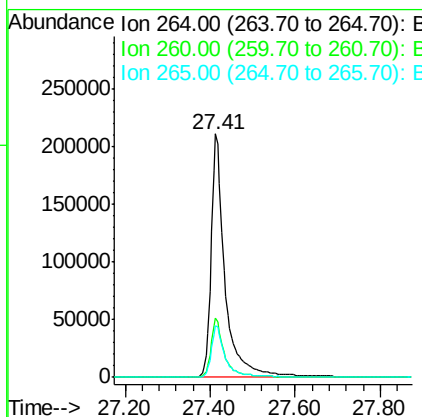
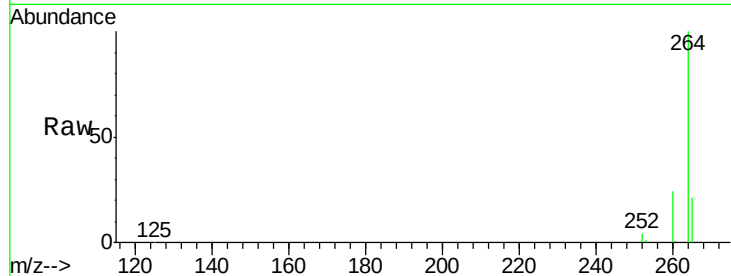
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4817
 Delta R.T. -0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.2
265	21.2	17.3	25.9

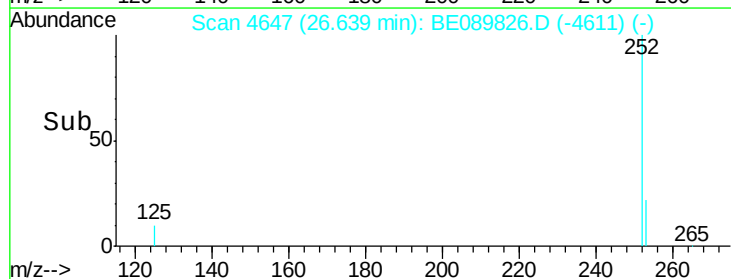
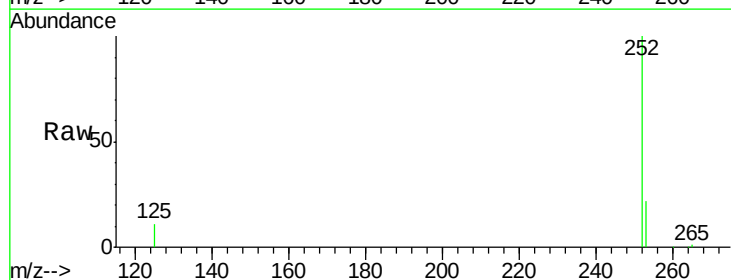
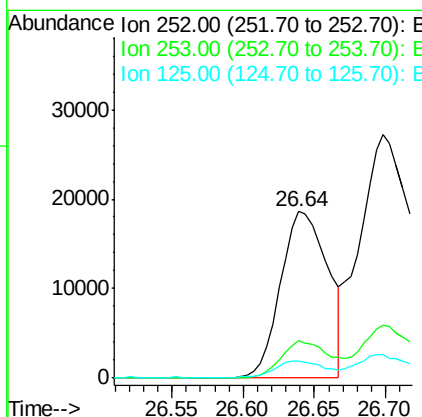
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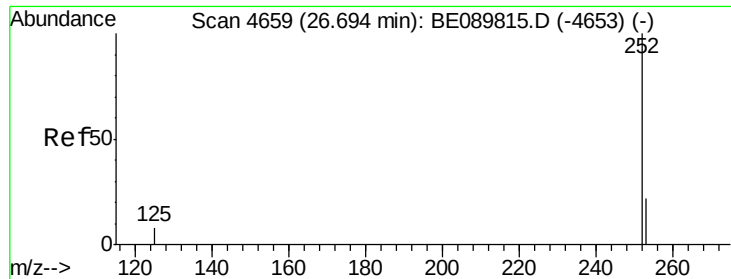
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#26
 Benzo(b)fluoranthene
 Concen: 0.71 ng
 RT: 26.64 min Scan# 4647
 Delta R.T. 0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.6	8.7	13.1





#27

Benzo(k)fluoranthene

Concen: 1.02 ng

RT: 26.70 min Scan# 4660

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

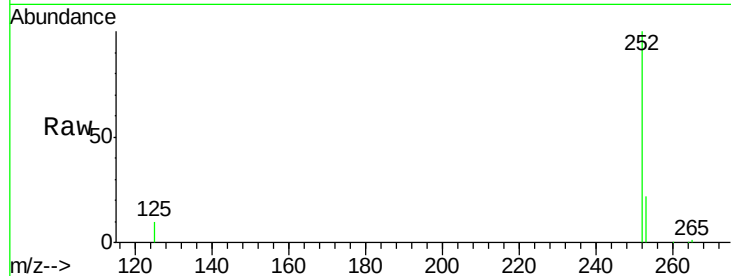
ClientSampleId :

SSTDCCC001

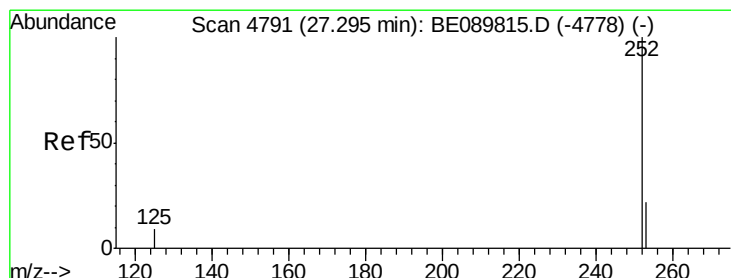
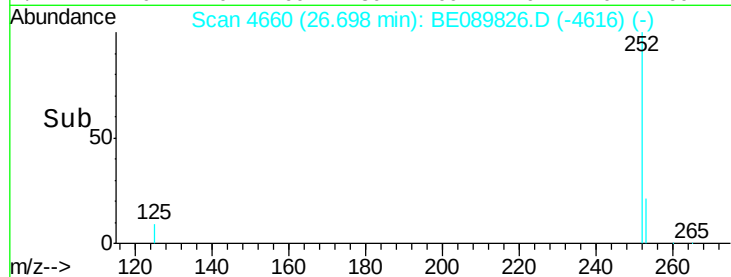
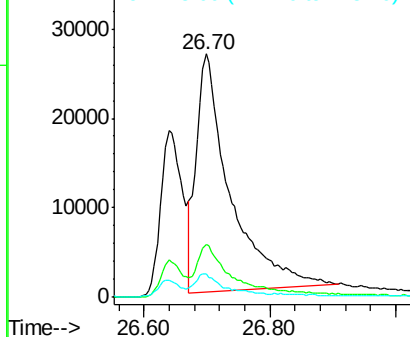
Tgt Ion:	252	Resp:	98692
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.6	28.0
125	9.7	10.8	16.2#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#28

Benzo(a)pyrene

Concen: 0.78 ng

RT: 27.30 min Scan# 4792

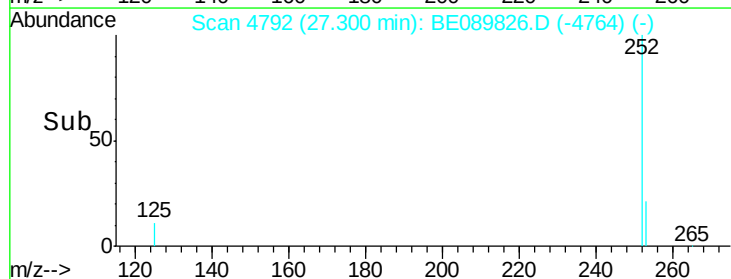
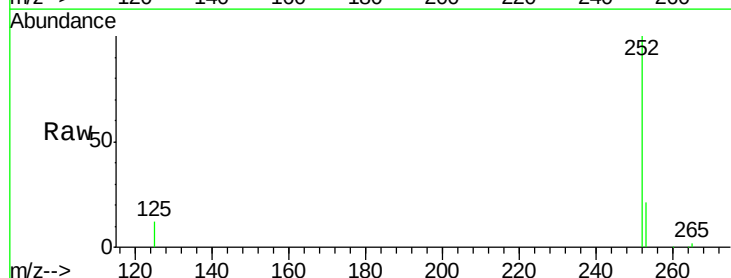
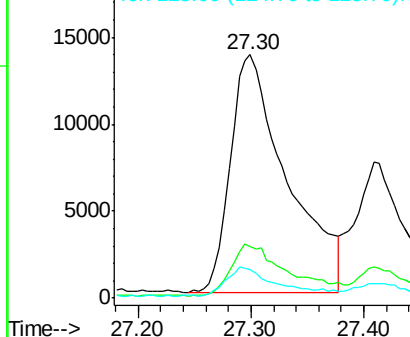
Delta R.T. -0.00 min

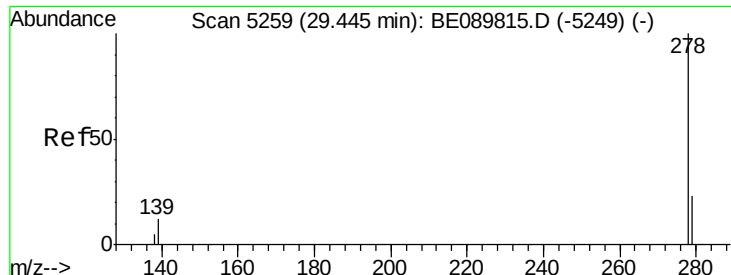
Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Tgt Ion:	252	Resp:	47479
Ion Ratio	Lower	Upper	
252	100		
253	21.5	21.0	31.4
125	11.7	13.3	19.9#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.64 ng

RT: 29.44 min Scan# 5258

Delta R.T. -0.00 min

Lab File: BE089826.D

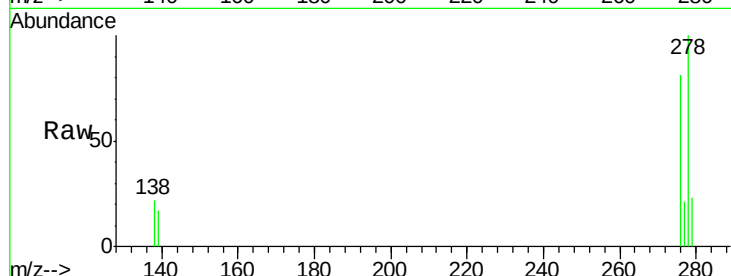
Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

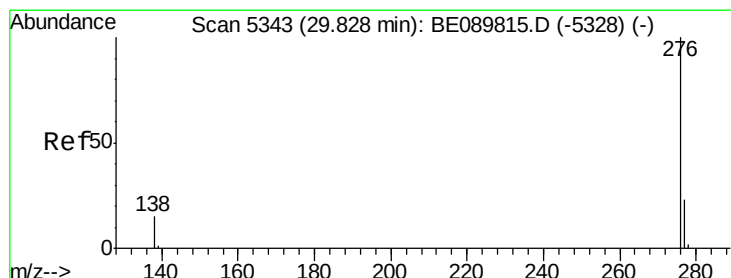
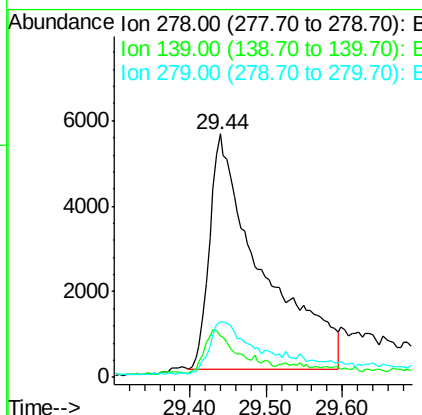
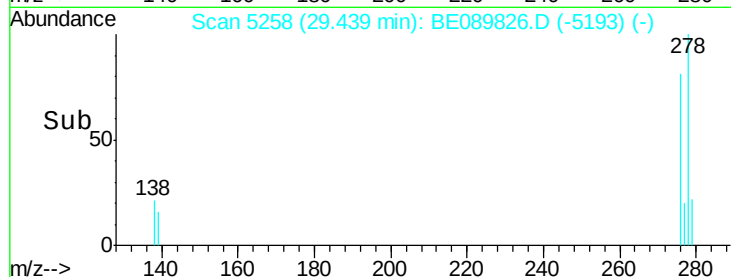
SSTDCCC001



Tgt Ion:	278	Resp:	26232
Ion Ratio	Lower	Upper	
278	100		
139	17.1	20.0	30.0#
279	22.7	28.9	43.3#

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#30

Benzo(g,h,i)perylene

Concen: 0.88 ng

RT: 29.83 min Scan# 5344

Delta R.T. 0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Tgt Ion:	276	Resp:	64365
Ion Ratio	Lower	Upper	
276	100		
277	22.7	19.2	28.8
138	19.4	22.9	34.3#

