

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089824.D
 Acq On : 24 Mar 2015 21:35
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
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Quant Time: Mar 25 03:47:07 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 18:03:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	190424	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	778832	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	357030	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	606179	5.00	ng	0.00
19) Chrysene-d12	24.26	240	558898	5.00	ng	0.00
25) Perylene-d12	27.42	264	495119	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	54108	1.18	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	86240	1.03	ng	0.00
21) Terphenyl-d14	21.86	244	78347	0.95	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	24262	0.99	ng	# 87
3) n-Nitrosodimethylamine	2.96	42	37333	1.03	ng	# 88
6) Naphthalene	10.31	128	150893	0.98	ng	95
7) 2-Methylnaphthalene	11.93	142	90270	1.06	ng	98
10) Acenaphthylene	14.03	152	529371	1.04	ng	99
11) Acenaphthene	14.46	154	79143	1.01	ng	85
12) Fluorene	15.70	166	94949	1.00	ng	94
14) Hexachlorobenzene	16.98	284	19389	0.96	ng	97
15) Pentachlorophenol	17.50	266	4059	0.71	ng	96
16) Phenanthrene	17.97	178	133235	1.00	ng	99
17) Anthracene	18.10	178	122390	1.03	ng	100
18) Fluoranthene	20.82	202	130900	1.09	ng	99
20) Pyrene	21.34	202	136074	0.96	ng	99
22) Benzo(a)anthracene	24.24	228	102146	0.98	ng	98
23) Chrysene	24.32	228	119374	1.05	ng	99
24) Indeno(1,2,3-cd)pyrene	29.38	276	59191m	0.91	ng	
26) Benzo(b)fluoranthene	26.64	252	57010	0.82	ng	98
27) Benzo(k)fluoranthene	26.70	252	116585	1.15	ng	# 94
28) Benzo(a)pyrene	27.30	252	61921	0.89	ng	# 89
29) Dibenzo(a,h)anthracene	29.44	278	48096	0.90	ng	# 80
30) Benzo(g,h,i)perylene	29.83	276	78888	0.98	ng	# 88

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

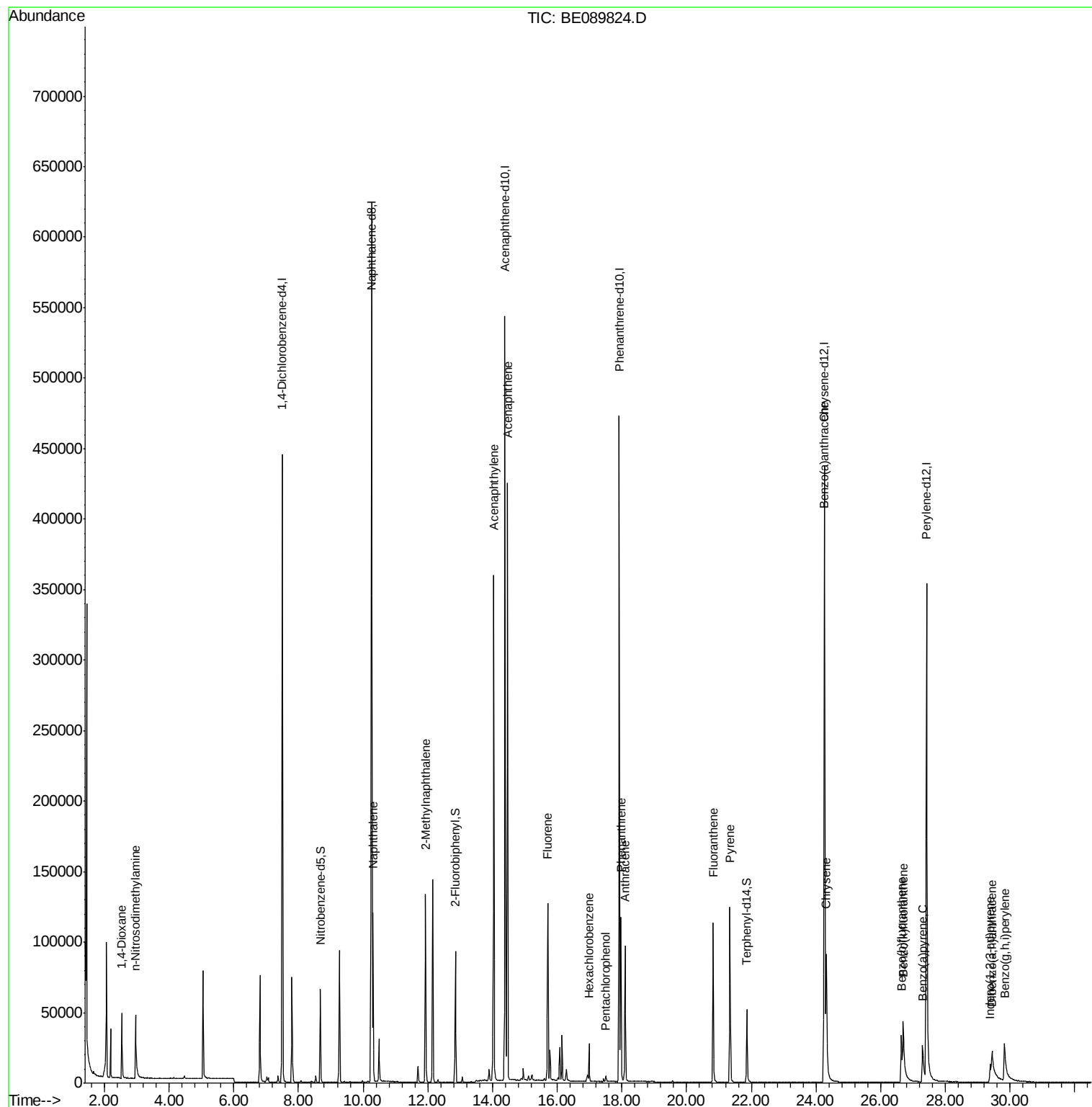
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
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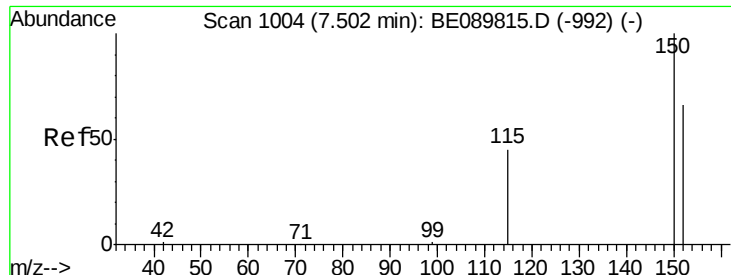
Instrument :
BNA_E
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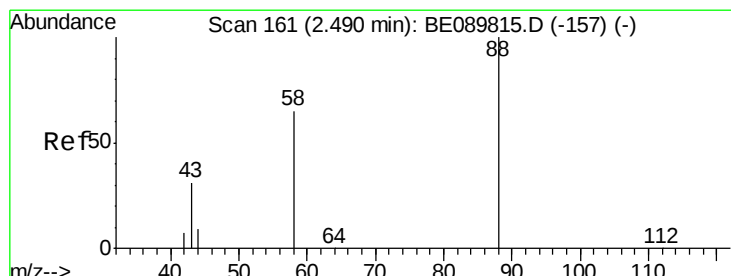
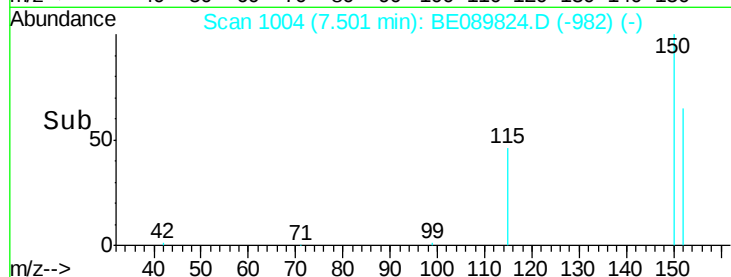
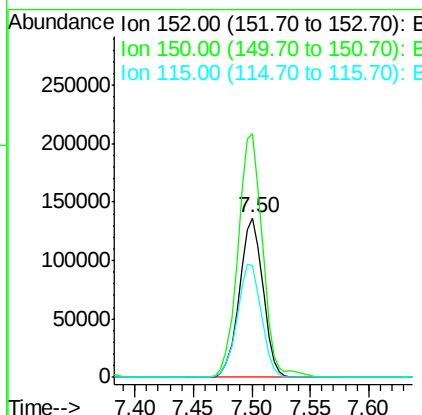
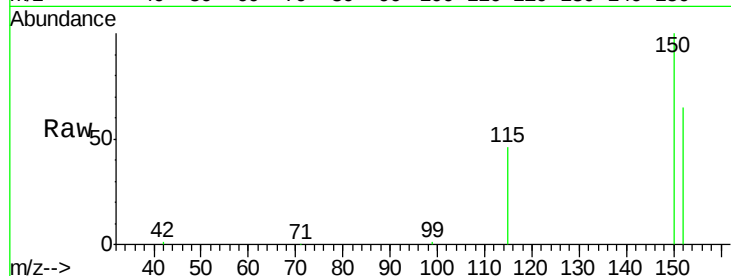
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.9	125.5	188.3
115	70.2	58.0	87.0

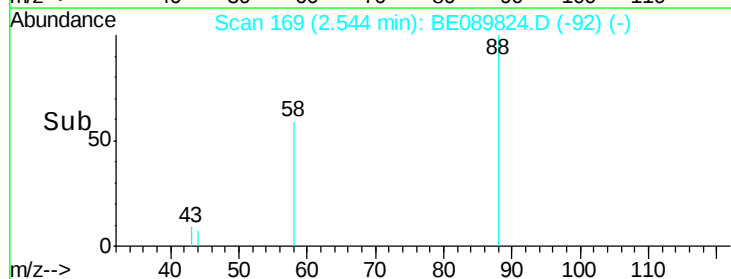
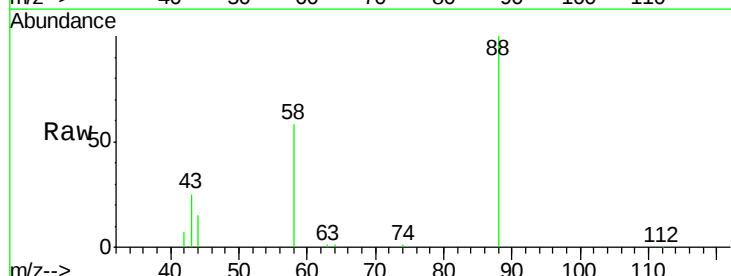
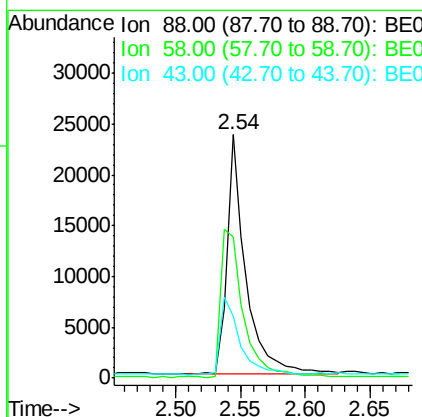
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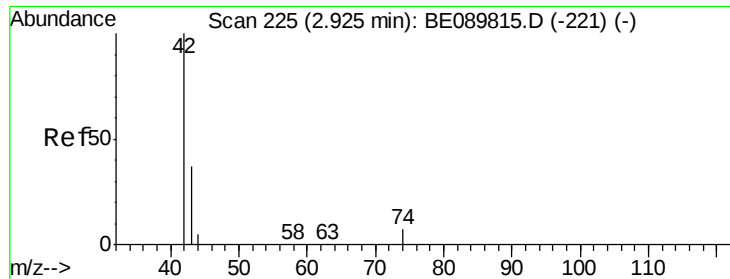
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#2
 1,4-Dioxane
 Concen: 0.99 ng
 RT: 2.54 min Scan# 169
 Delta R.T. 0.02 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.2	48.6	72.8#
43	33.5	28.6	43.0





#3

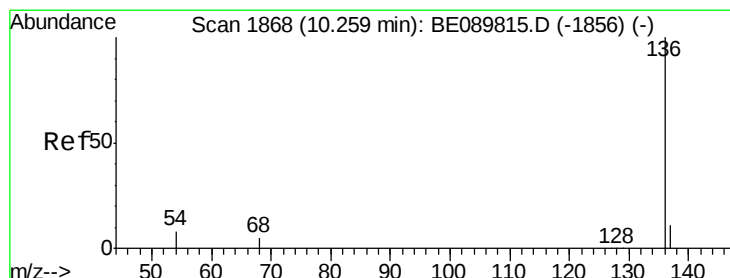
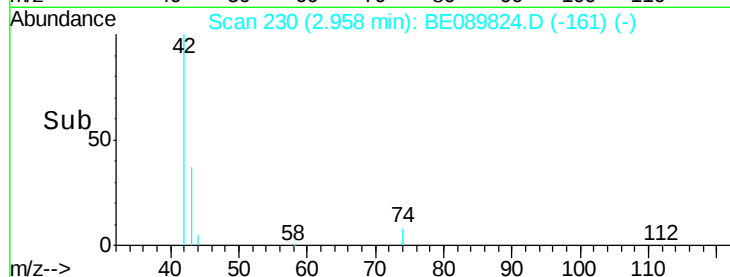
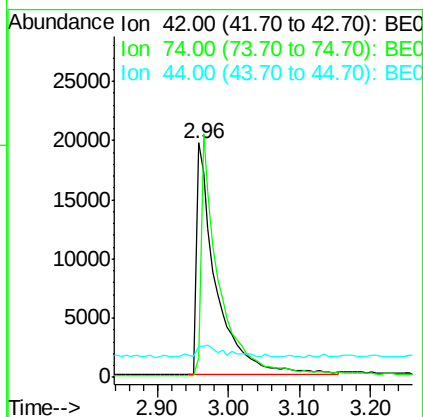
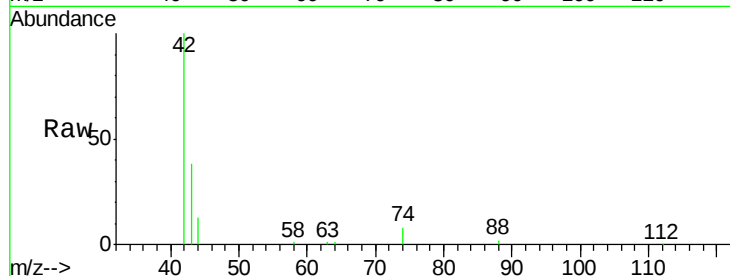
n-Nitrosodimethylamine
Concen: 1.03 ng
RT: 2.96 min Scan# 230
Delta R.T. -0.03 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
42	100		
74	97.2	68.7	103.1
44	5.7	6.2	9.4

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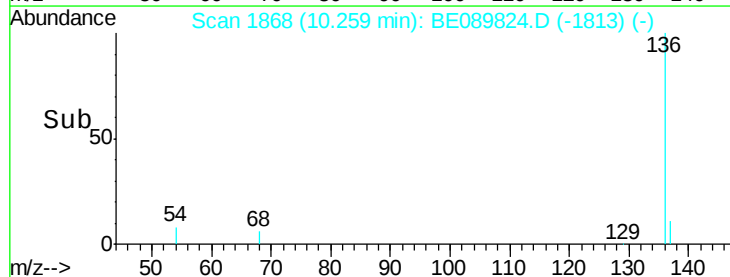
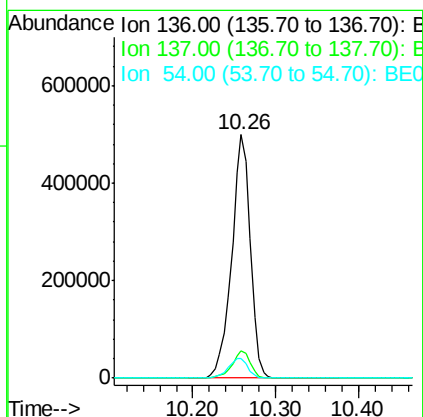
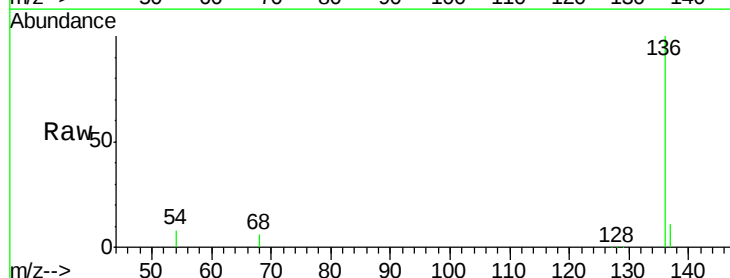
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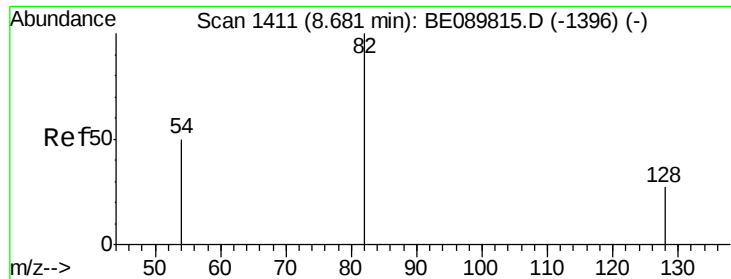


#4

Naphthalene-d8
Concen: 5.00 ng
RT: 10.26 min Scan# 1868
Delta R.T. 0.00 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.3	7.0	10.4





#5

Nitrobenzene-d5

Concen: 1.18 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089824.D

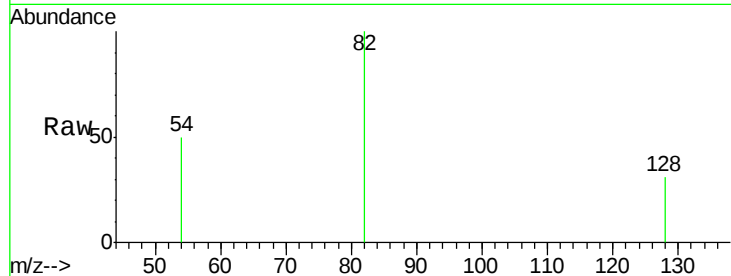
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Instrument :

BNA_E

ClientSampleId :

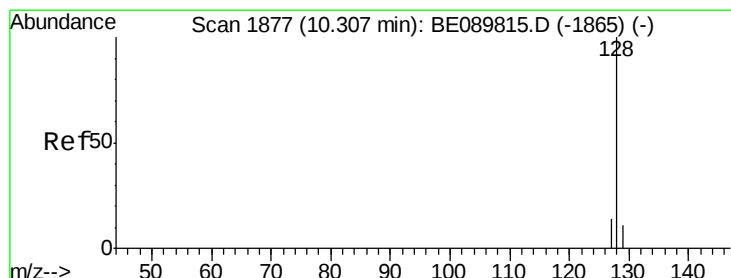
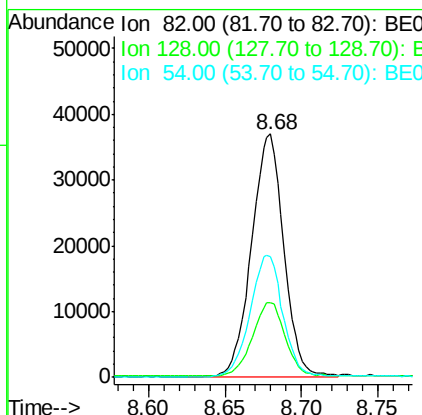
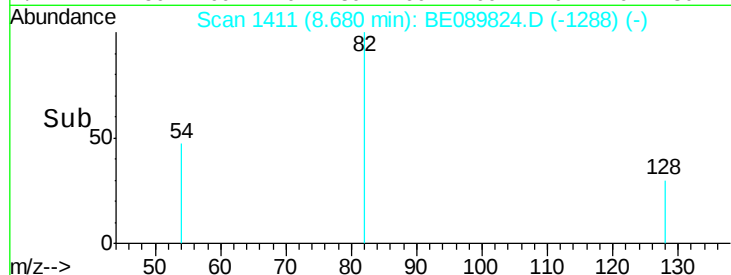
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Tgt Ion	82	Resp	54108
Ion Ratio	100	Lower	Upper
128	30.9	24.6	37.0
54	49.6	43.0	64.6

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#6

Naphthalene

Concen: 0.98 ng

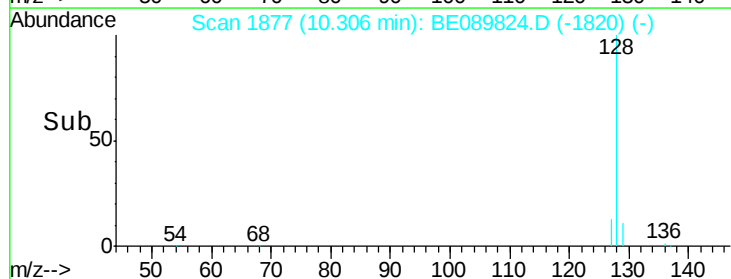
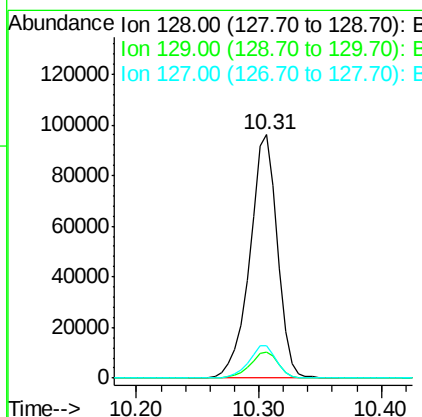
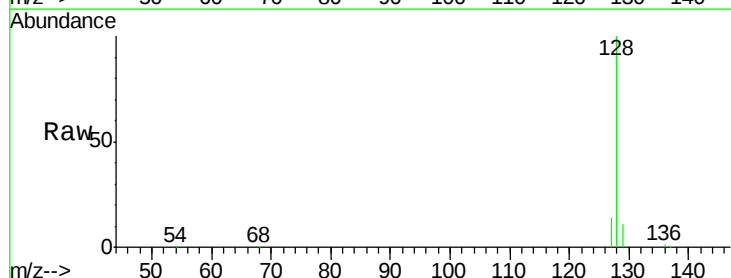
RT: 10.31 min Scan# 1877

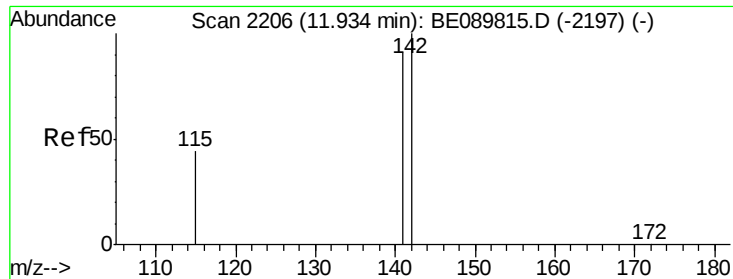
Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Tgt Ion	128	Resp	150893
Ion Ratio	100	Lower	Upper
129	10.8	10.0	15.0
127	13.5	12.5	18.7





#7

2-Methylnaphthalene

Concen: 1.06 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089824.D

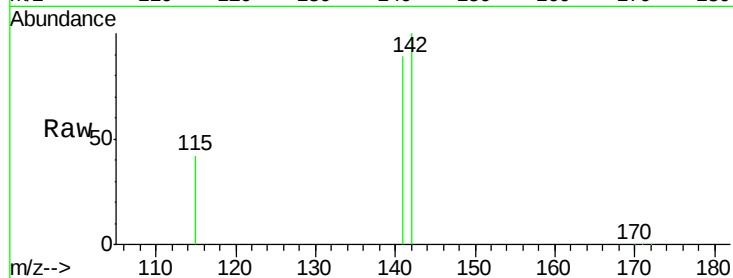
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Instrument :

BNA_E

ClientSampleId :

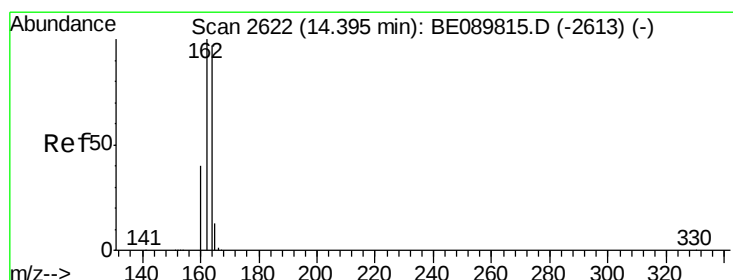
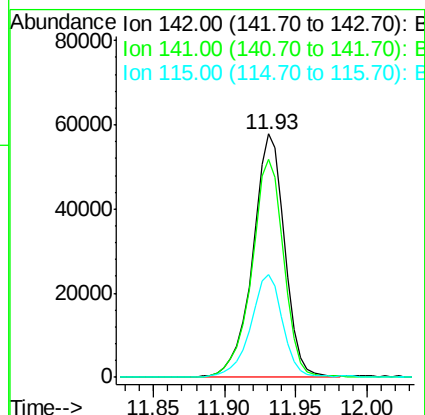
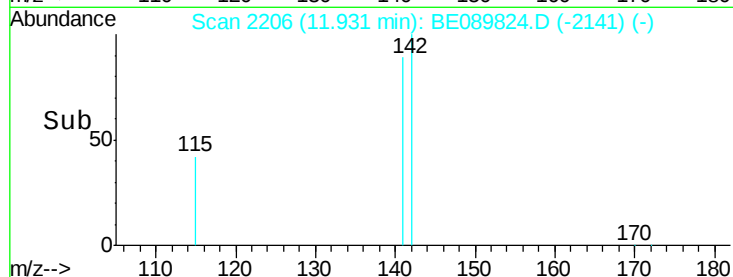
SSTDCCC001EC



Tgt Ion:	142	Resp:	90270
Ion Ratio	Lower	Upper	
142	100		
141	89.4	72.8	109.2
115	42.1	32.9	49.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

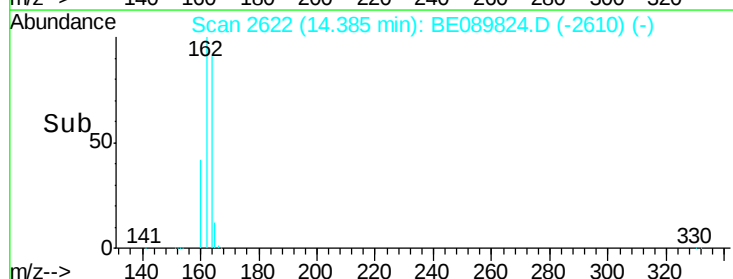
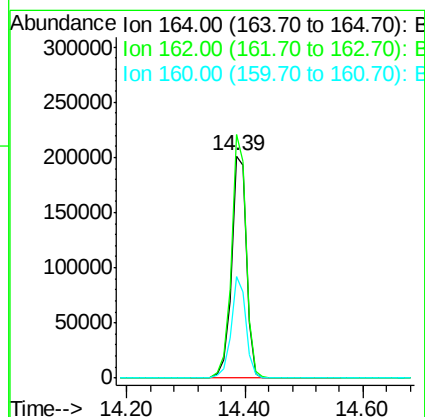
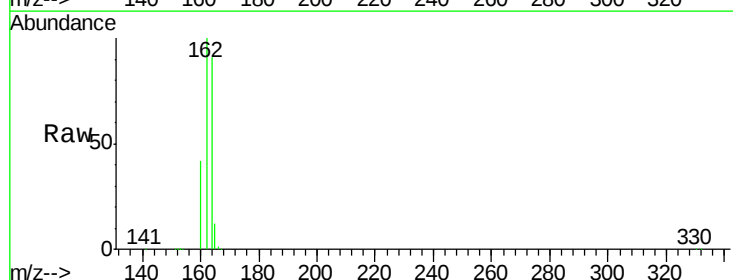
RT: 14.39 min Scan# 2622

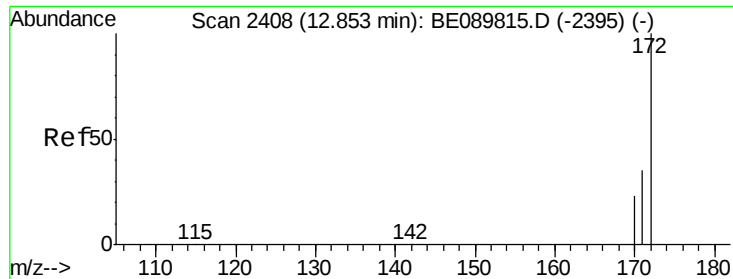
Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Tgt Ion:	164	Resp:	357030
Ion Ratio	Lower	Upper	
164	100		
162	109.4	87.6	131.4
160	45.6	36.7	55.1





#9

2-Fluorobiphenyl

Concen: 1.03 ng

RT: 12.85 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BE089824.D

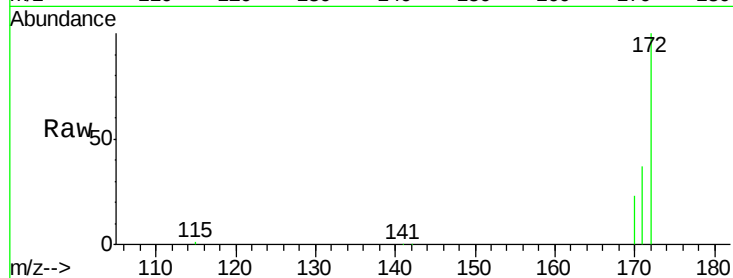
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Instrument :

BNA_E

ClientSampleId :

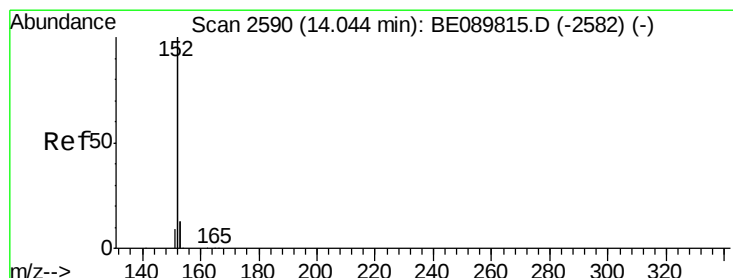
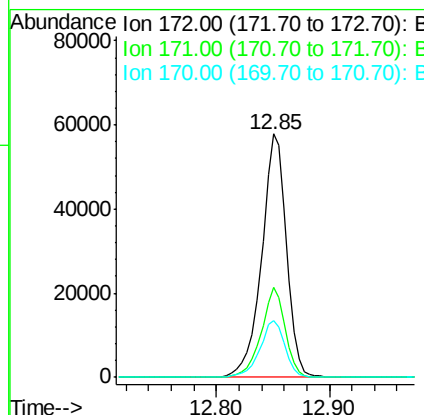
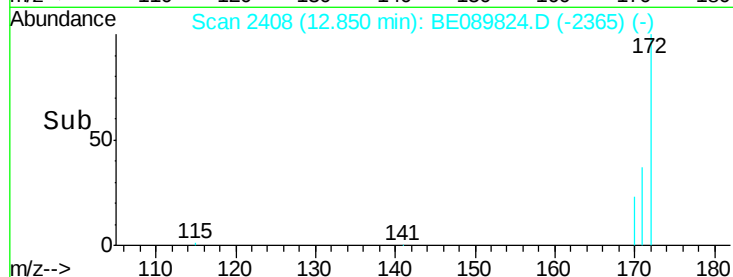
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Tgt Ion:	172	Resp:	86240
Ion Ratio	Lower	Upper	
172	100		
171	36.7	30.8	46.2
170	23.4	21.0	31.4

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#10

Acenaphthylene

Concen: 1.04 ng

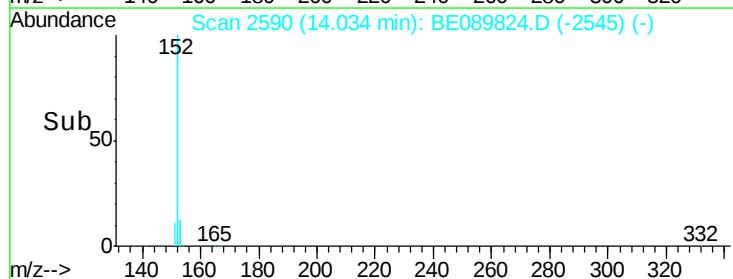
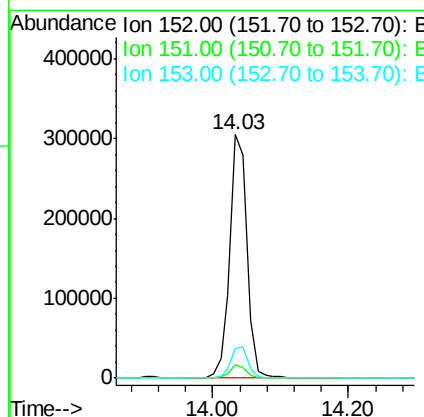
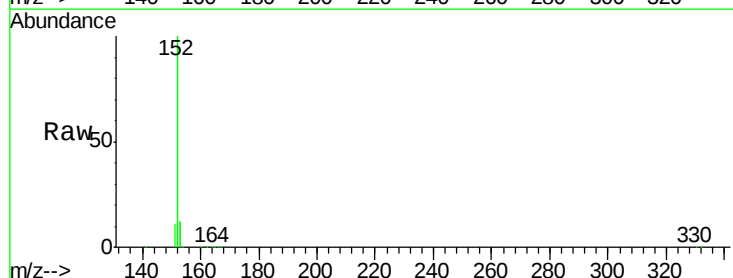
RT: 14.03 min Scan# 2590

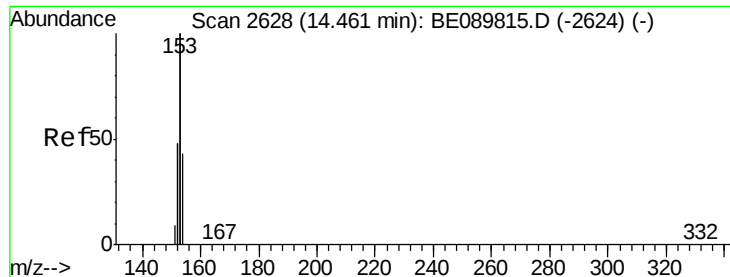
Delta R.T. -0.01 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Tgt Ion:	152	Resp:	529371
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.9	5.9
153	12.9	11.0	16.4





#11

Acenaphthene

Concen: 1.01 ng

RT: 14.46 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

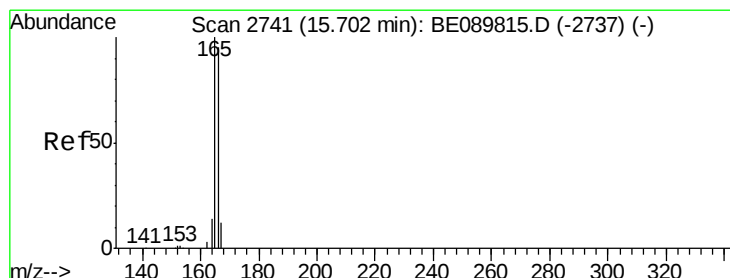
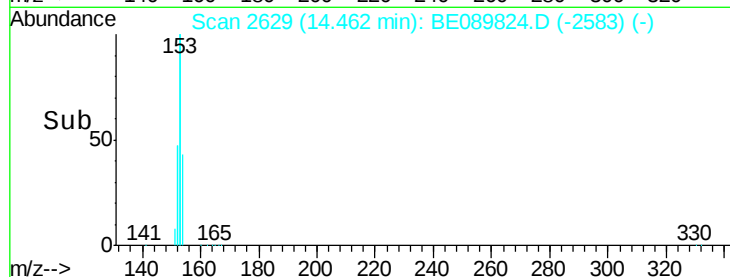
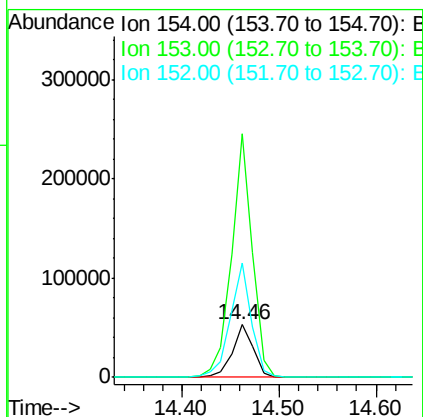
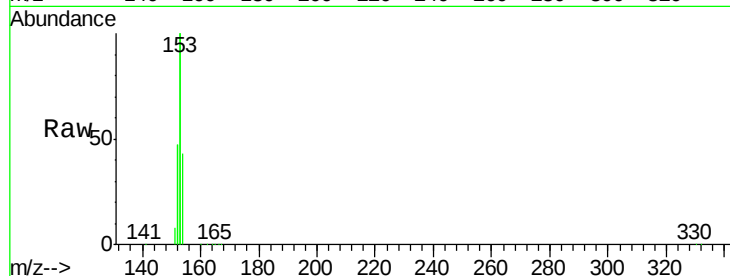
ClientSampleId :

SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
154	100		
153	463.0	401.5	602.3
152	220.2	198.6	298.0

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#12

Fluorene

Concen: 1.00 ng

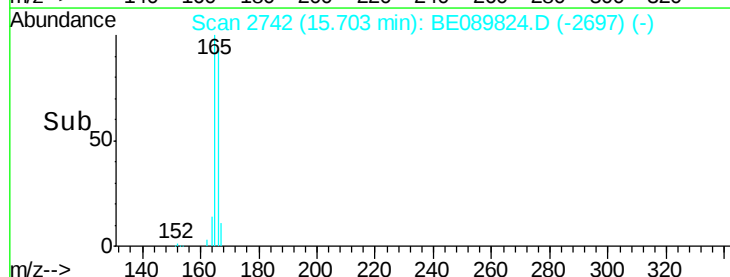
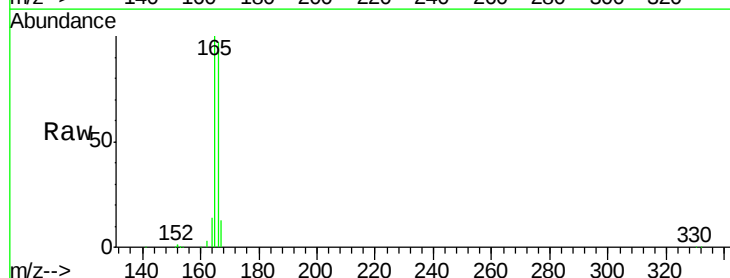
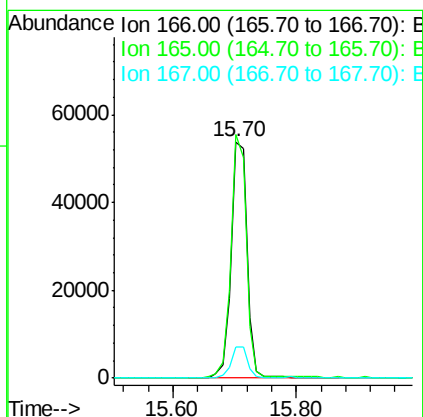
RT: 15.70 min Scan# 2742

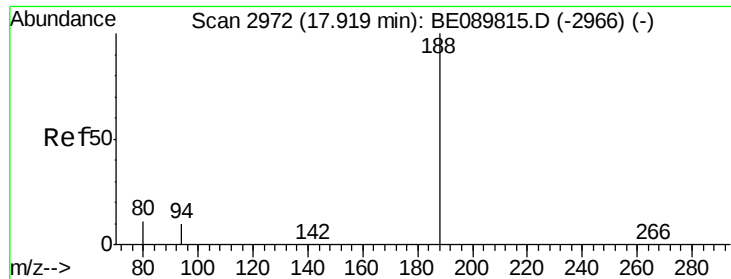
Delta R.T. -0.01 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	85.1	127.7
167	13.3	12.2	18.4





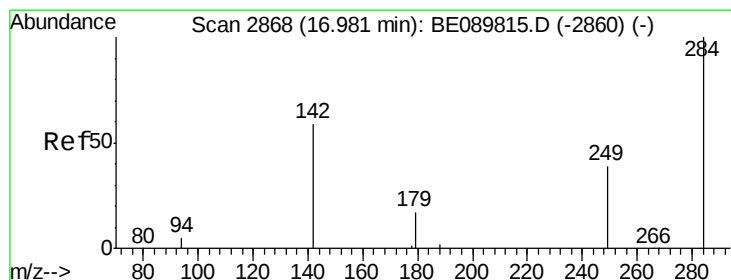
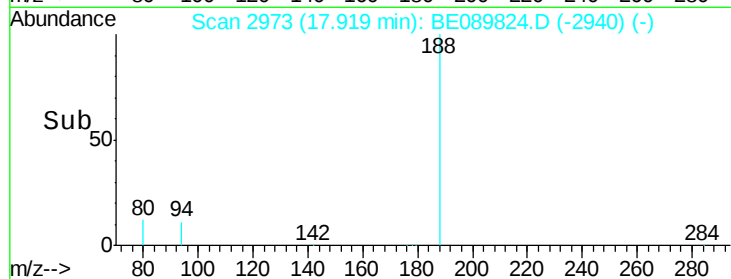
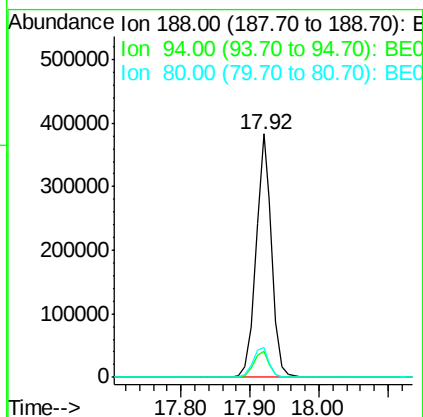
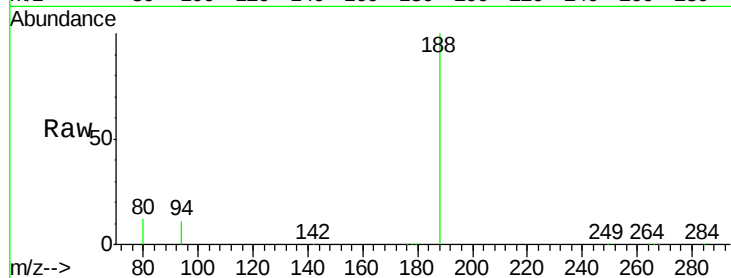
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2973
Delta R.T. 0.00 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.6	8.5	12.7
80	12.3	10.0	15.0

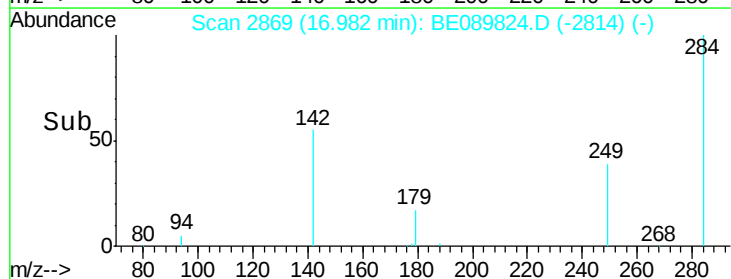
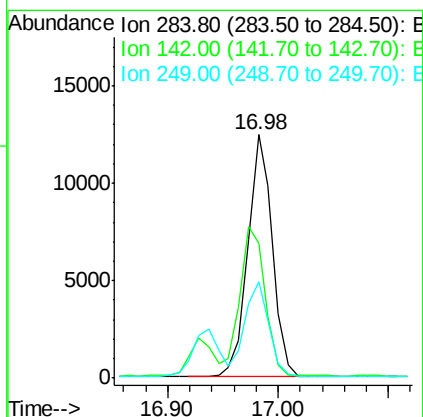
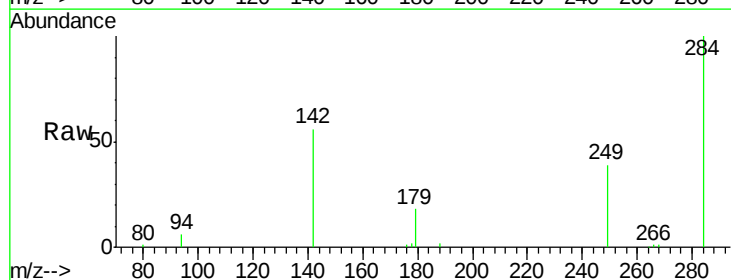
Manual Integrations
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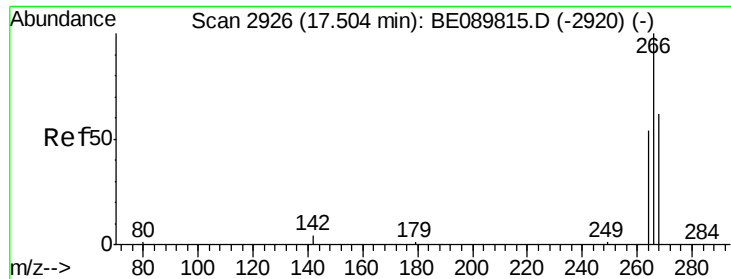
mohammad
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#14
Hexachlorobenzene
Concen: 0.96 ng
RT: 16.98 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	63.5	53.3	79.9
249	38.1	31.1	46.7





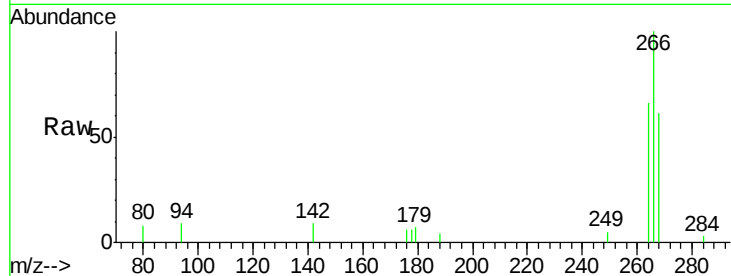
#15
 Pentachlorophenol
 Concen: 0.71 ng
 RT: 17.50 min Scan# 2927
 Delta R.T. 0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.3	51.6	77.4
264	65.6	50.2	75.2

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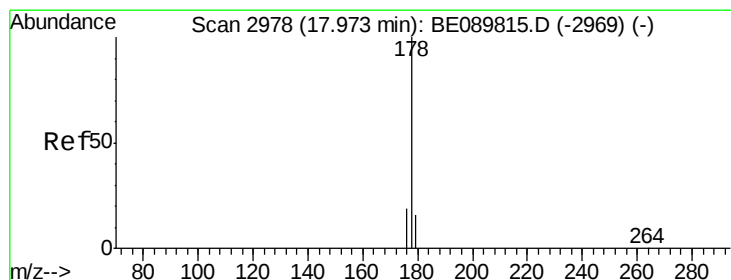
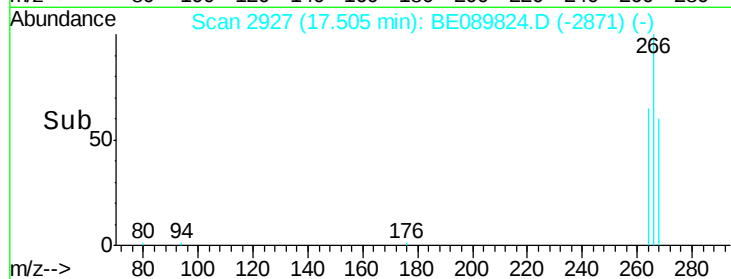
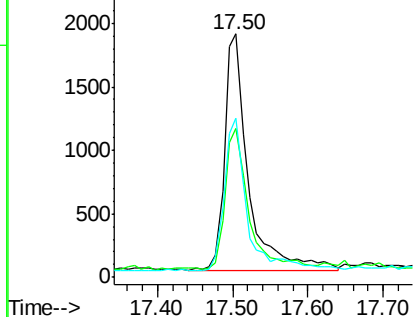


Abundance

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: 1.00 ng
 RT: 17.97 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

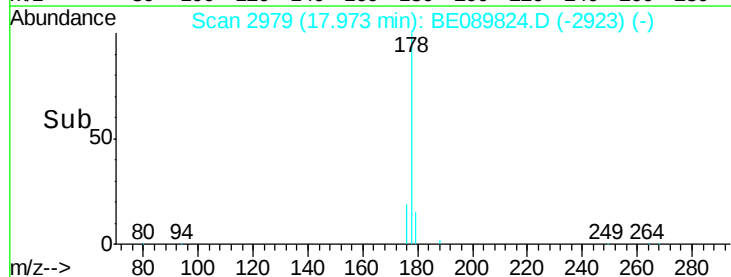
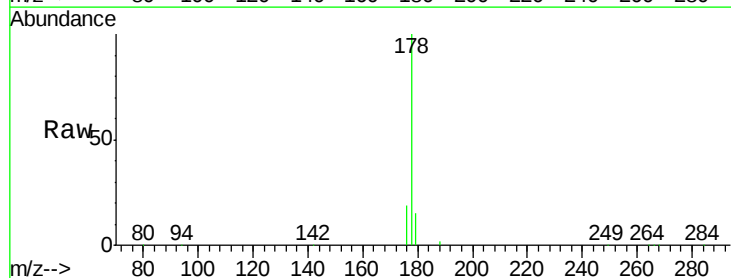
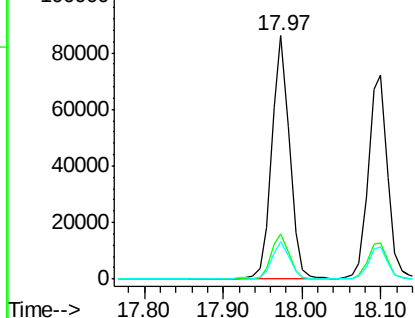
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.6	12.2	18.4

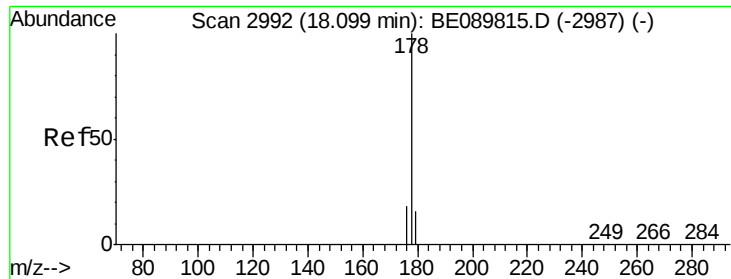
Abundance

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





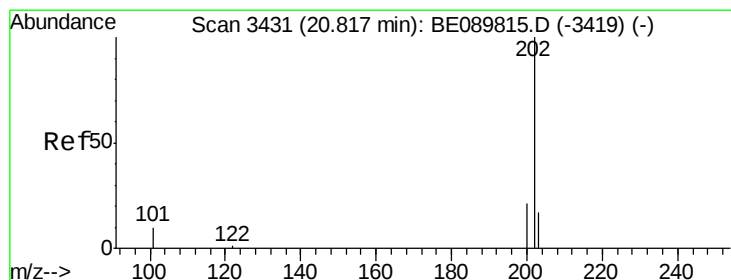
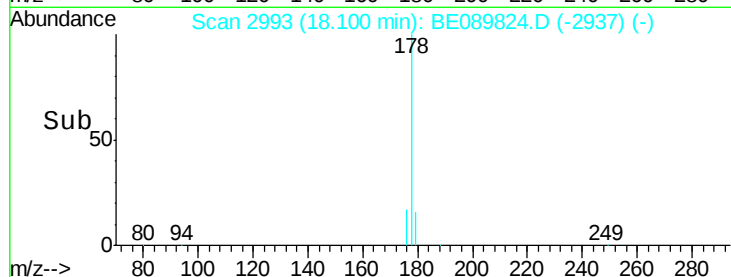
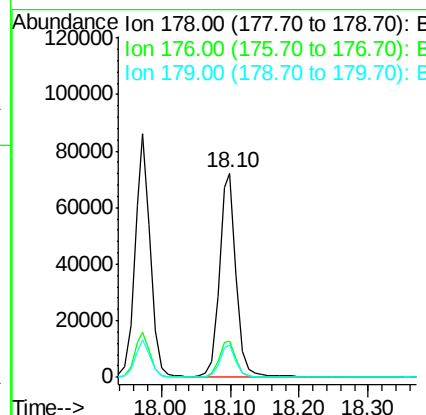
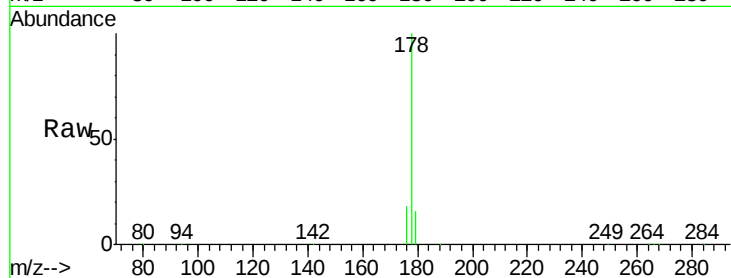
#17
 Anthracene
 Concen: 1.03 ng
 RT: 18.10 min Scan# 2993
 Delta R.T. 0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.3	12.1	18.1

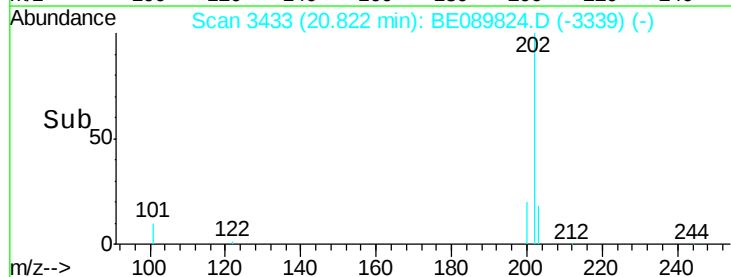
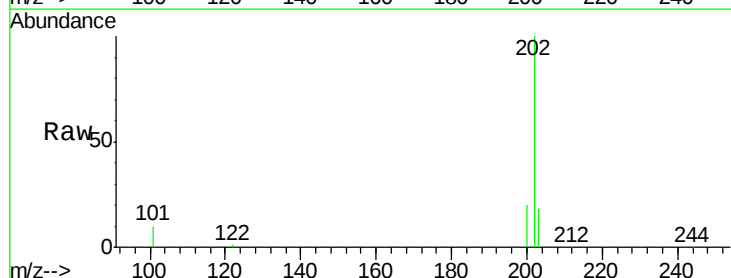
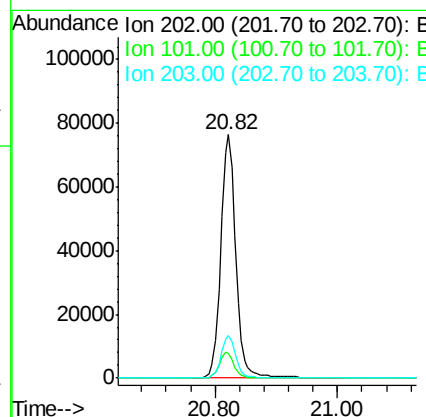
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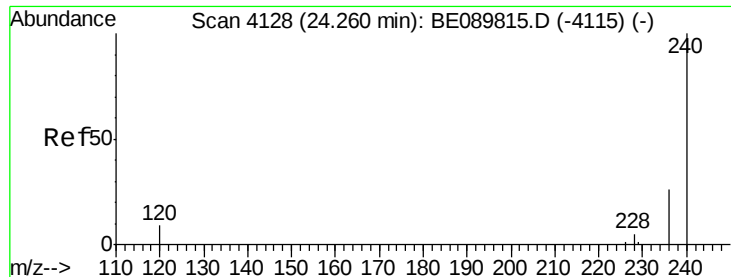
mohammad
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#18
 Fluoranthene
 Concen: 1.09 ng
 RT: 20.82 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.2	12.2
203	17.0	14.2	21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4130

Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

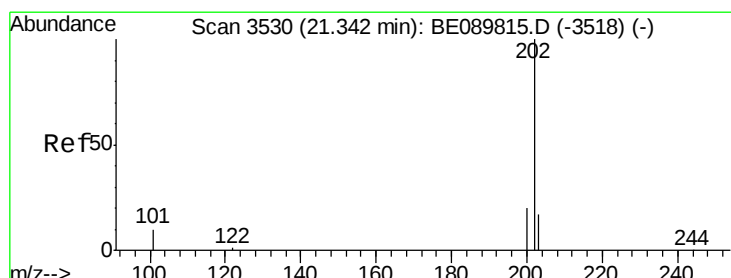
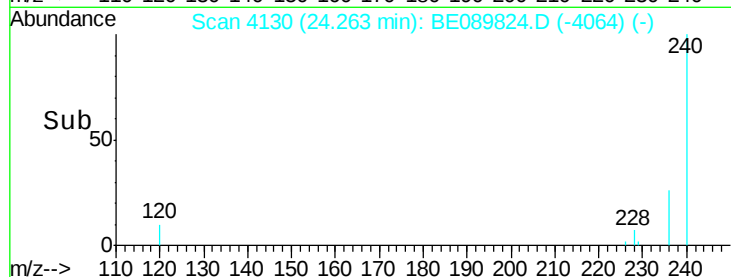
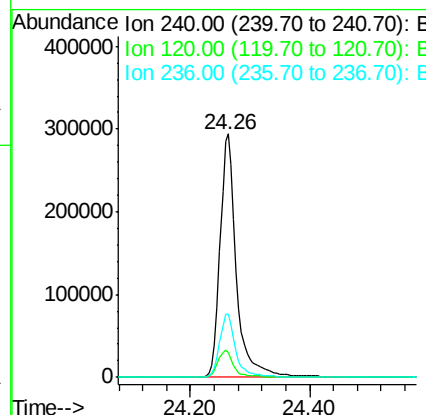
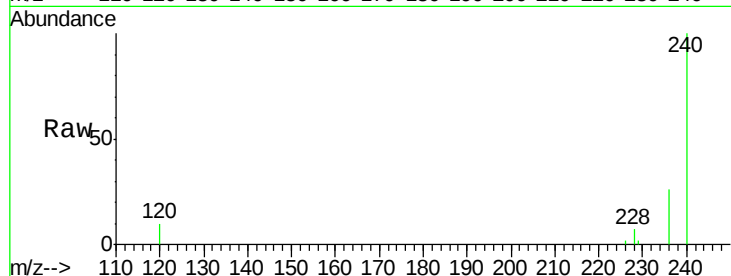
ClientSampleId :

SSTDCCC001EC

Tgt Ion:	240	Resp:	558898
Ion Ratio	Lower	Upper	
240	100		
120	10.0	7.5	11.3
236	26.0	20.5	30.7

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#20

Pyrene

Concen: 0.96 ng

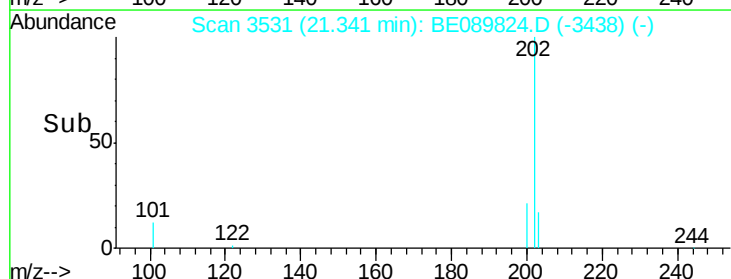
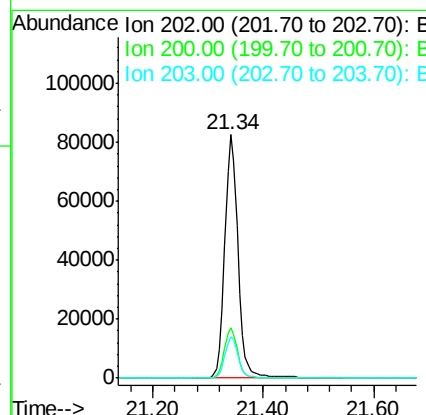
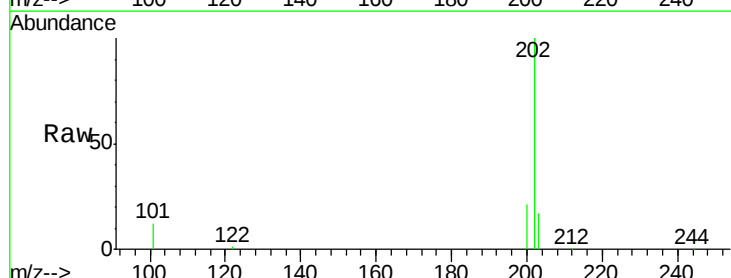
RT: 21.34 min Scan# 3531

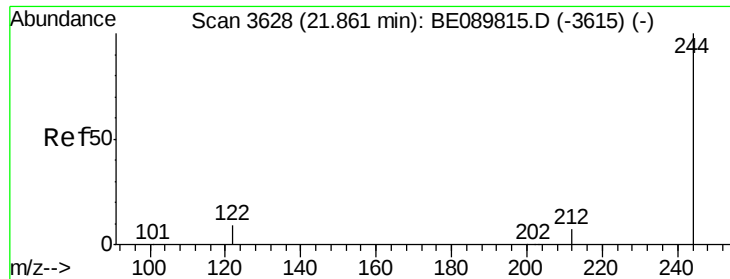
Delta R.T. -0.01 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Tgt Ion:	202	Resp:	136074
Ion Ratio	Lower	Upper	
202	100		
200	20.5	15.9	23.9
203	16.9	13.6	20.4





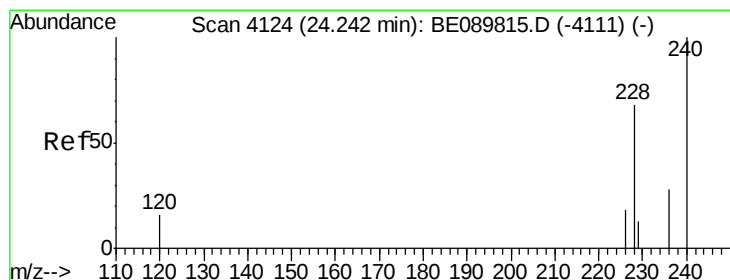
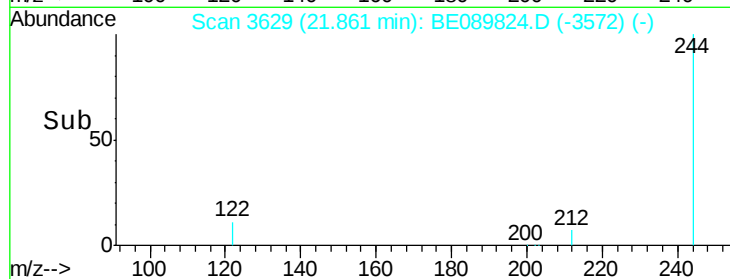
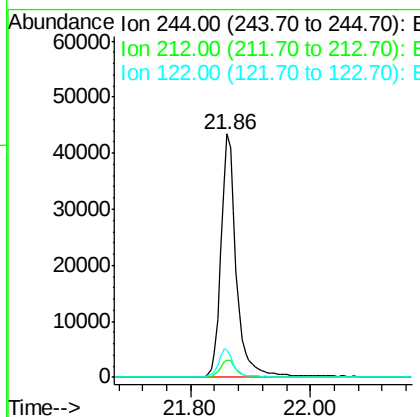
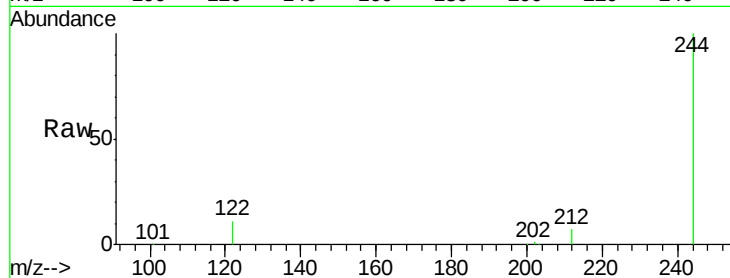
#21
 Terphenyl-d14
 Concen: 0.95 ng
 RT: 21.86 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	7.3	10.9#
122	11.3	10.5	15.7

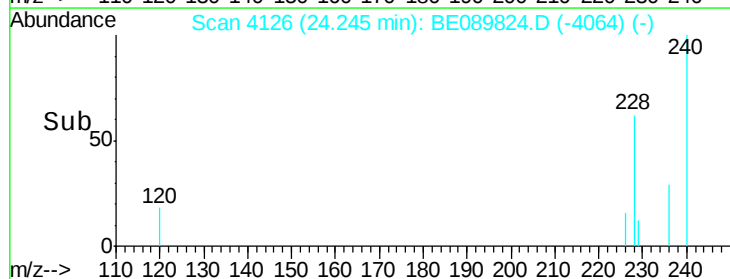
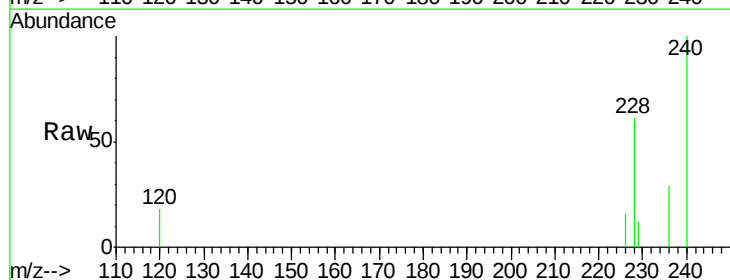
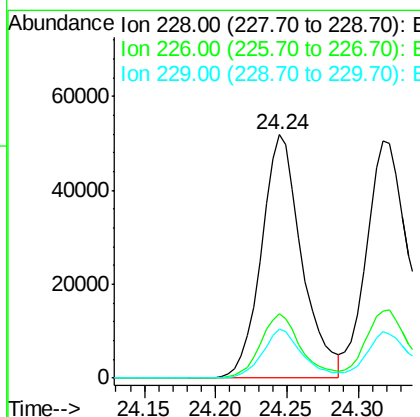
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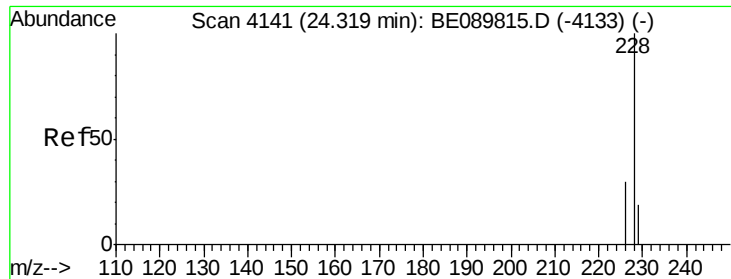
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#22
 Benzo(a)anthracene
 Concen: 0.98 ng
 RT: 24.24 min Scan# 4126
 Delta R.T. -0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	19.8	29.8
229	19.9	16.3	24.5





#23

Chrysene

Concen: 1.05 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

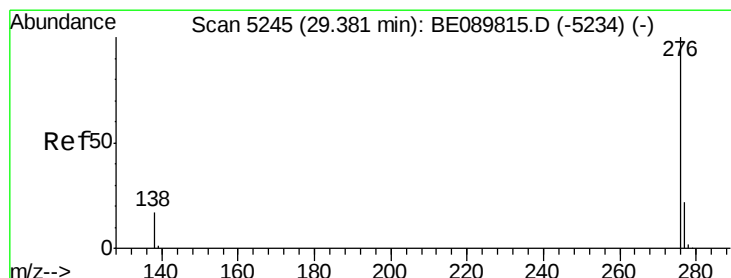
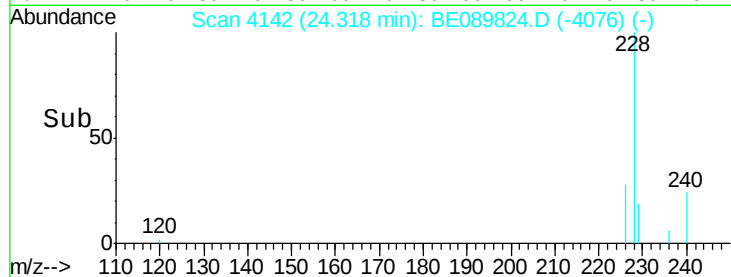
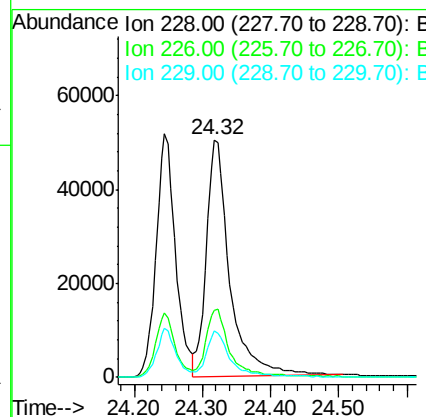
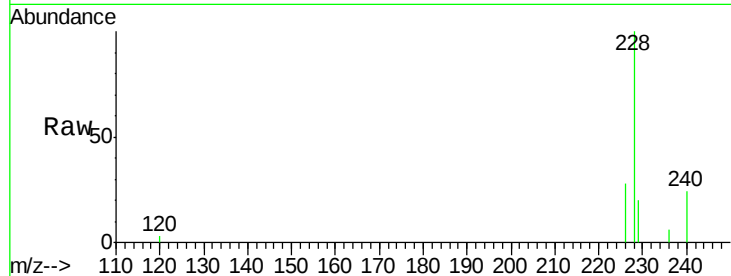
ClientSampleId :

SSTDCCC001EC

Tgt Ion:	228	Resp:	119374
Ion Ratio	Lower	Upper	
228	100		
226	28.2	23.0	34.4
229	19.5	15.8	23.6

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.91 ng m

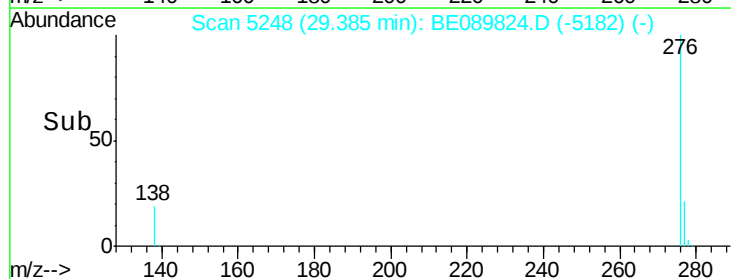
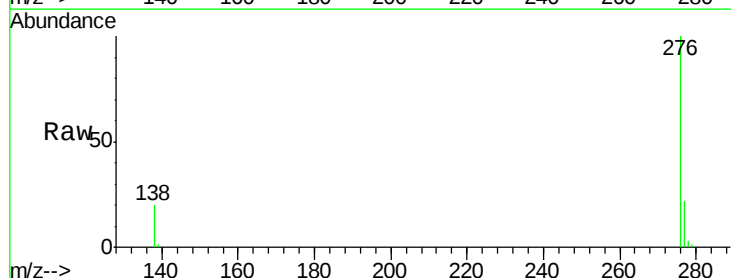
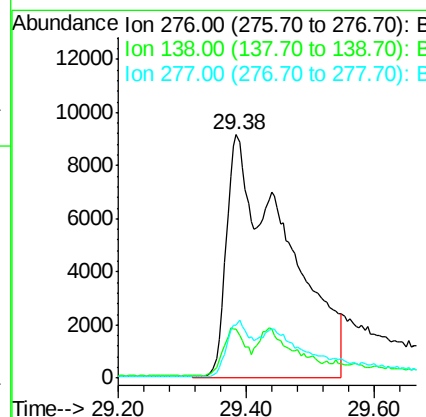
RT: 29.38 min Scan# 5248

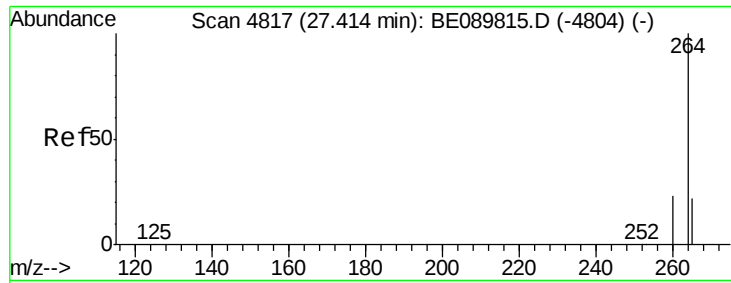
Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Tgt Ion:	276	Resp:	59191
Ion Ratio	Lower	Upper	
276	100		
138	7.3	4.3	6.5#
277	8.8	9.0	13.4#





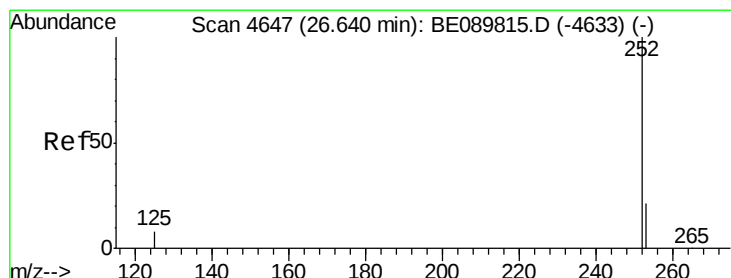
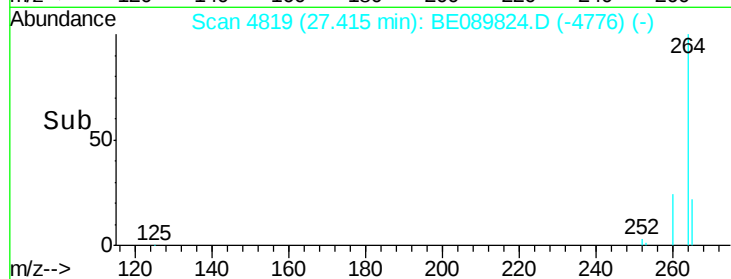
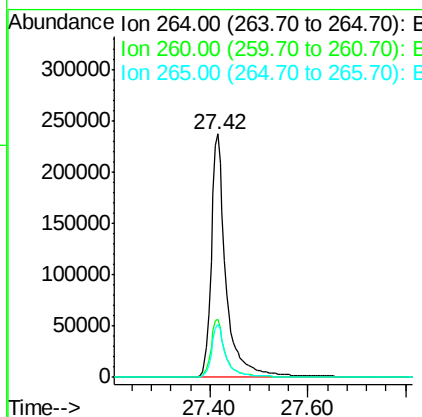
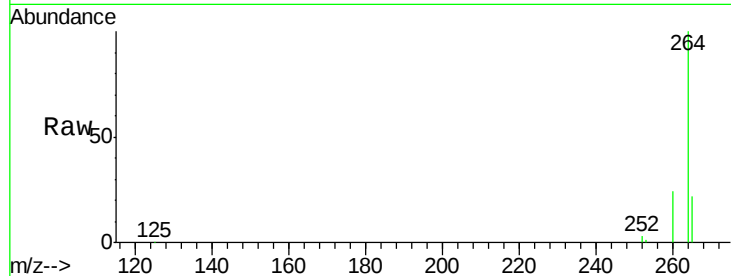
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4819
 Delta R.T. 0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	21.6	17.3	25.9

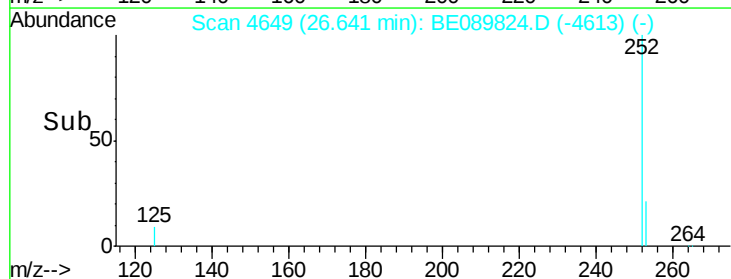
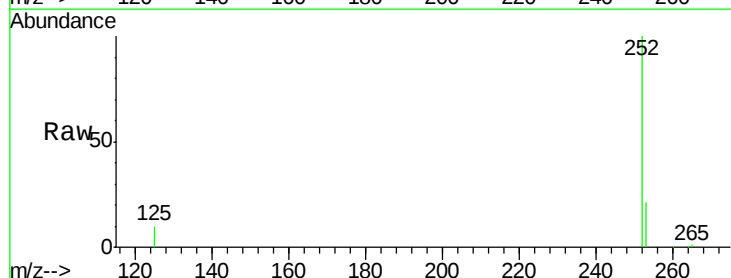
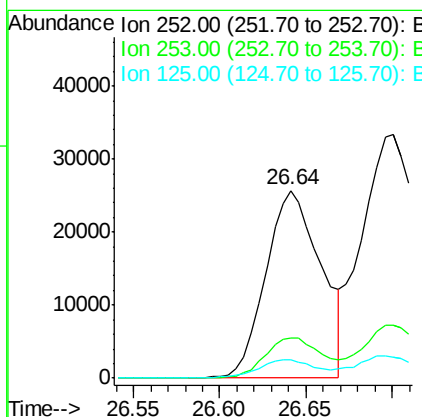
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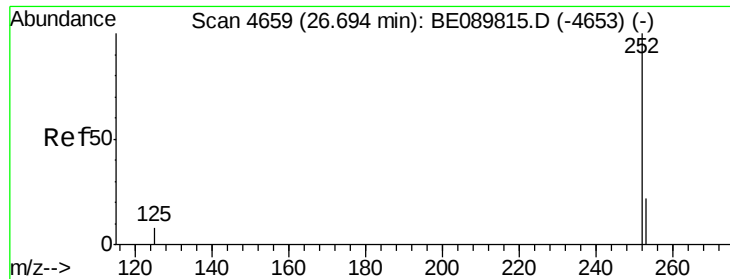
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#26
 Benzo(b)fluoranthene
 Concen: 0.82 ng
 RT: 26.64 min Scan# 4649
 Delta R.T. 0.01 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.6
125	9.8	8.7	13.1





#27

Benzo(k)fluoranthene

Concen: 1.15 ng

RT: 26.70 min Scan# 4662

Delta R.T. 0.00 min

Lab File: BE089824.D

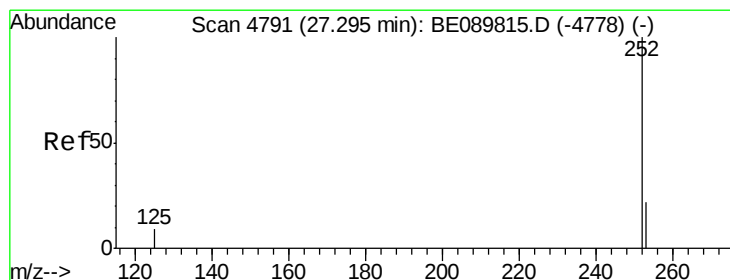
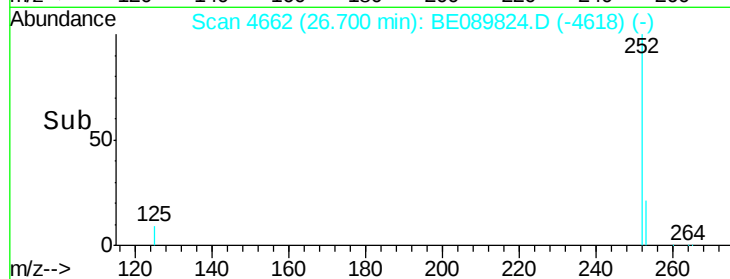
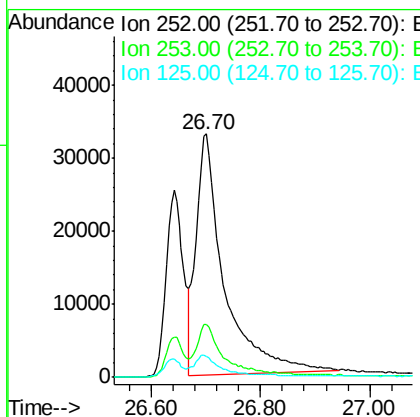
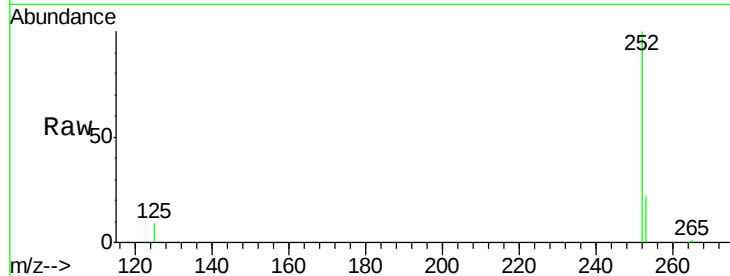
Acq: 24 Mar 2015 21:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.6	28.0
125	8.8	10.8	16.2

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#28

Benzo(a)pyrene

Concen: 0.89 ng

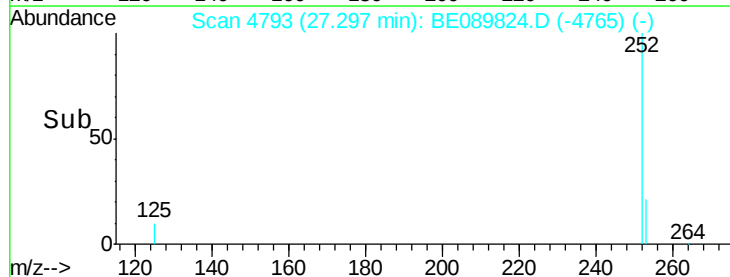
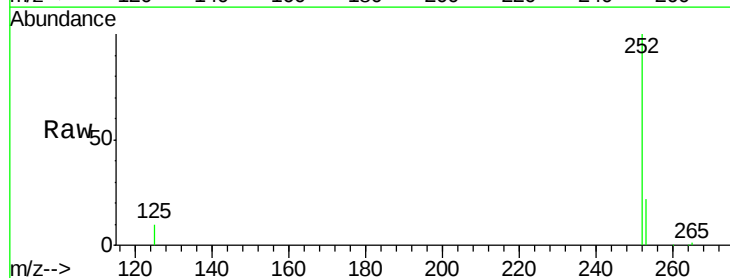
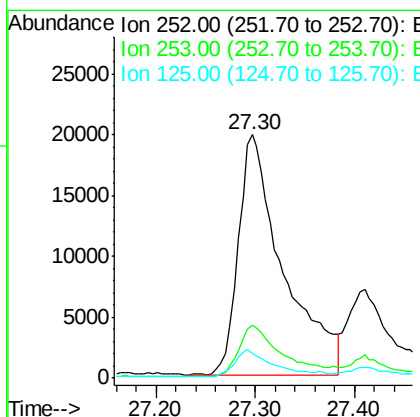
RT: 27.30 min Scan# 4793

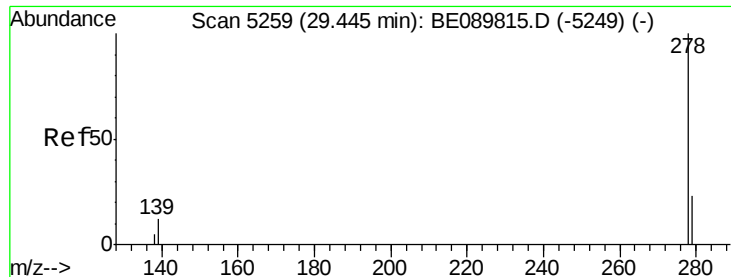
Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	21.0	31.4
125	10.1	13.3	19.9





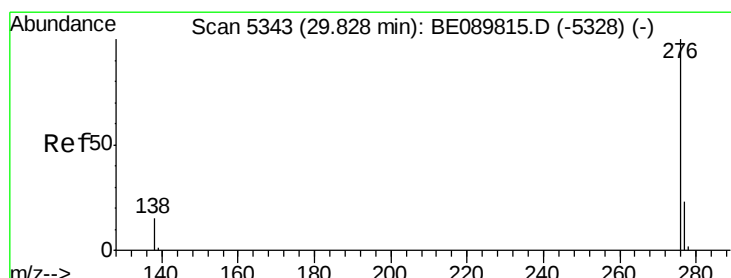
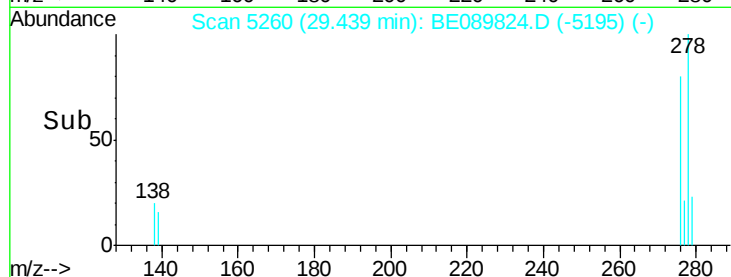
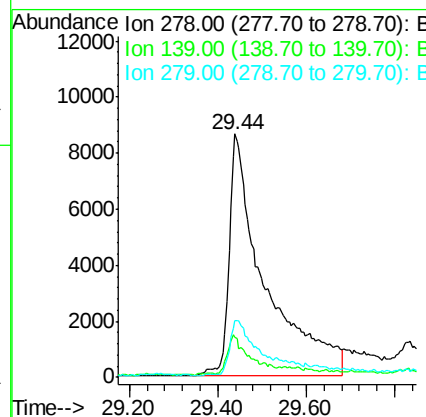
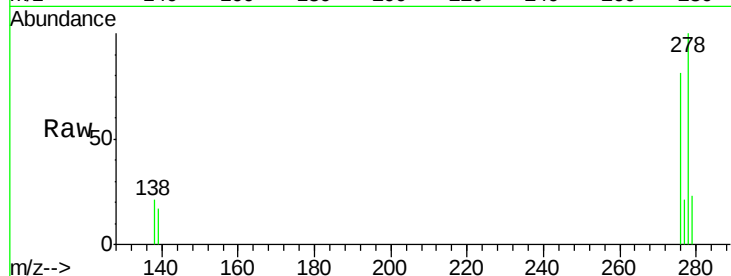
#29
Dibenzo(a,h)anthracene
Concen: 0.90 ng
RT: 29.44 min Scan# 5260
Delta R.T. -0.00 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	20.0	30.0#
279	23.2	28.9	43.3#

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#30
Benzo(g,h,i)perylene
Concen: 0.98 ng
RT: 29.83 min Scan# 5346
Delta R.T. 0.01 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	17.6	22.9	34.3#

