

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088426.D
 Acq On : 31 Oct 2014 17:01
 Operator : TP/JJ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Manual Integrations
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 11/4/2014 9:05:57 AM

Quant Time: Oct 31 23:39:52 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:20:37 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	39143	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	150954	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	71050	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	133334	5.00	ng	0.00
16) Chrysene-d12	18.31	240	64490	5.00	ng	0.00
22) Perylene-d12	21.37	264	55480	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	11444	1.04	ng	0.00
8) 2-Fluorobiphenyl	9.98	172	20894	1.03	ng	0.00
18) Terphenyl-d14	16.07	244	12306	1.04	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.37	88	5315	1.04	ng	100
5) Naphthalene	8.67	128	32464	1.03	ng	100
6) 2-Methylnaphthalene	9.52	142	20236	1.03	ng	100
9) Acenaphthylene	10.62	152	118460	1.01	ng	100
10) Acenaphthene	10.84	154	17434	1.00	ng	100
11) Fluorene	11.49	166	19221	1.05	ng	100
13) Phenanthrene	12.94	178	138247	1.02	ng	100
14) Anthracene	13.02	178	101356	1.03	ng	100
15) Fluoranthene	15.18	202	20820	1.06	ng	100
17) Pyrene	15.63	202	22109	1.05	ng	100
19) Benzo(a)anthracene	18.29	228	61717	1.02	ng	100
20) Chrysene	18.36	228	61398	1.03	ng	100
21) Indeno(1,2,3-cd)pyrene	23.54	276	55608m	0.98	ng	
23) Benzo(b)fluoranthene	20.61	252	12531	1.04	ng	100
24) Benzo(k)fluoranthene	20.67	252	14161	1.05	ng	100
25) Benzo(a)pyrene	21.25	252	12052	1.04	ng	100
26) Dibenzo(a,h)anthracene	23.64	278	11222	1.04	ng	100
27) Benzo(g,h,i)perylene	24.17	276	50831	1.02	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE088426.D

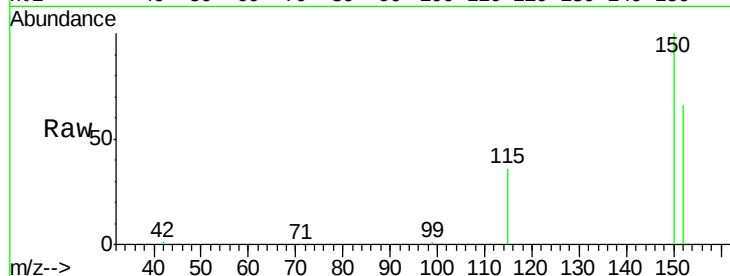
Acq: 31 Oct 2014 17:01

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Tgt Ion: 152 Resp: 39143

Ion Ratio Lower Upper

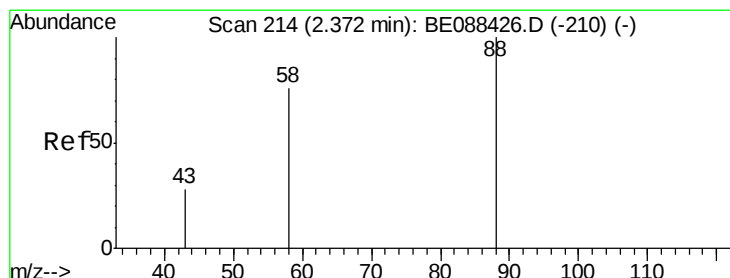
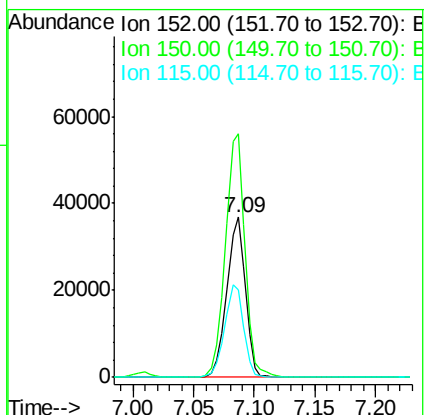
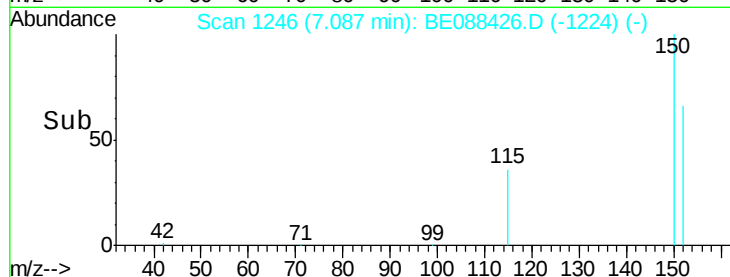
152 100

150 152.3 121.8 182.8

115 54.9 43.9 65.9

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#2

1,4-Dioxane

Concen: 1.04 ng

RT: 2.37 min Scan# 214

Delta R.T. 0.00 min

Lab File: BE088426.D

Acq: 31 Oct 2014 17:01

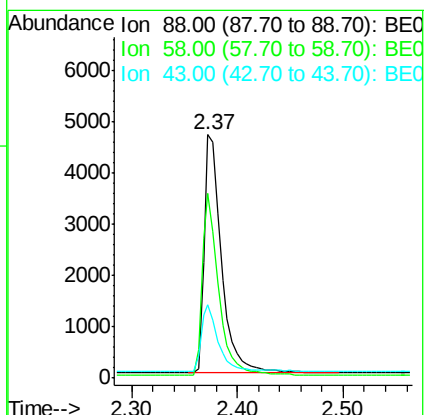
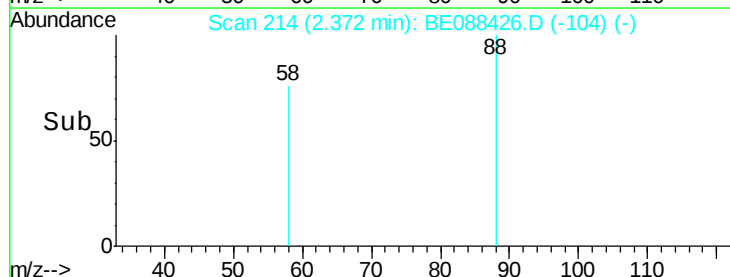
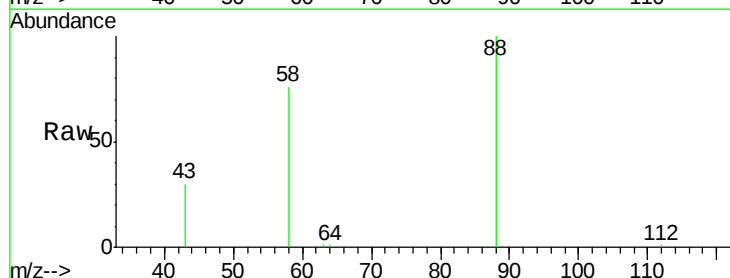
Tgt Ion: 88 Resp: 5315

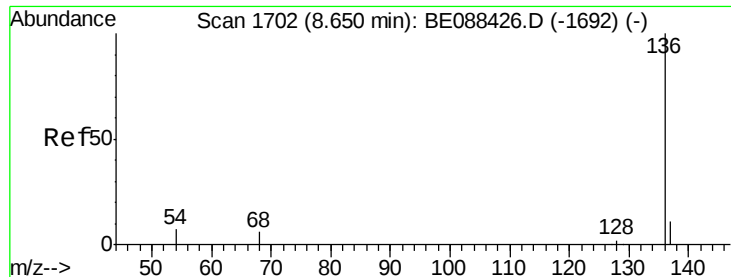
Ion Ratio Lower Upper

88 100

58 73.9 59.1 88.7

43 27.4 21.9 32.9





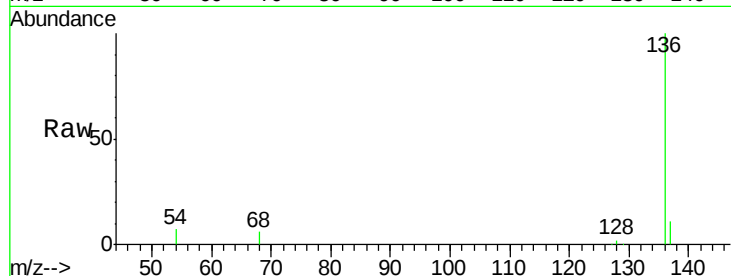
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. 0.00 min
Lab File: BE088426.D
Acq: 31 Oct 2014 17:01

Instrument :
BNA_E
ClientSampleId :
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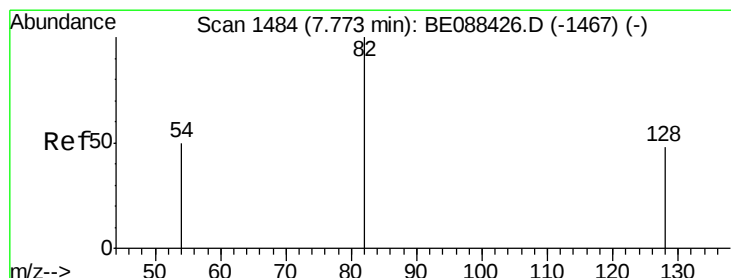
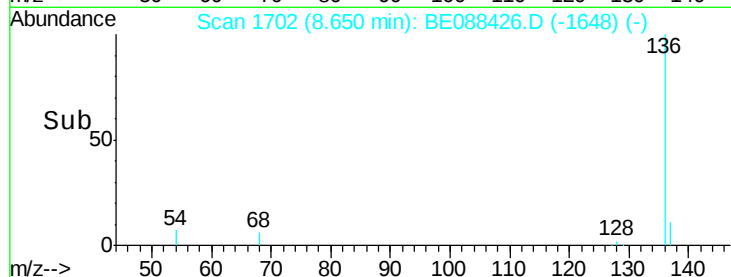
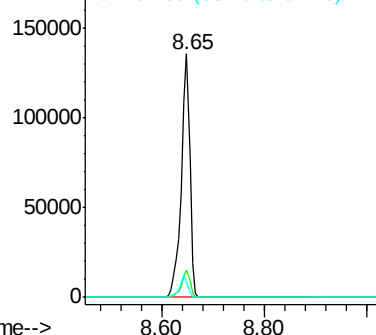
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	150954		
137	11.0	8.8	13.2	
54	6.6	5.3	7.9	

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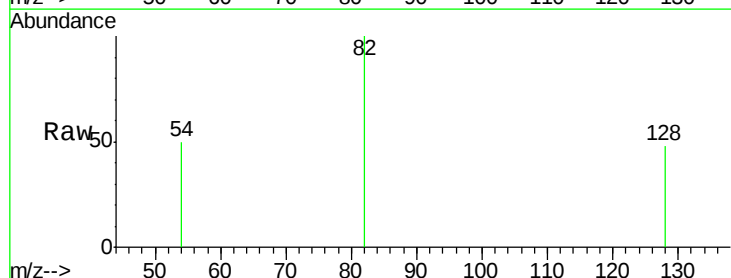


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

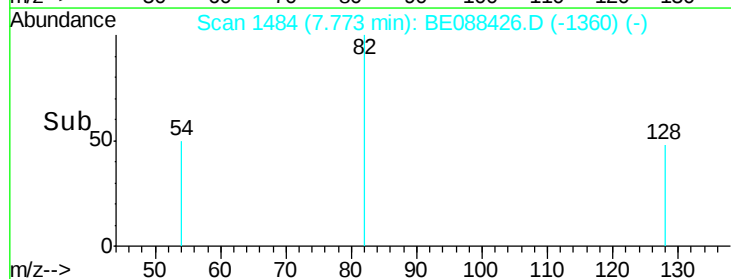
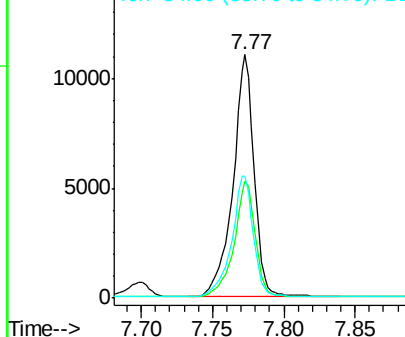


#4
Nitrobenzene-d5
Concen: 1.04 ng
RT: 7.77 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BE088426.D
Acq: 31 Oct 2014 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	11444		
128	48.0	38.4	57.6	
54	50.2	40.2	60.2	



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#5

Naphthalene

Concen: 1.03 ng

RT: 8.67 min Scan# 1706

Delta R.T. 0.00 min

Lab File: BE088426.D

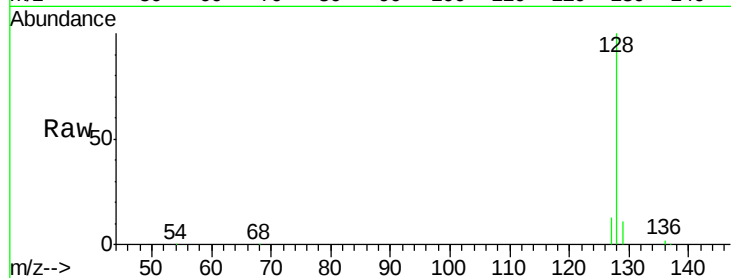
Acq: 31 Oct 2014 17:01

Instrument :

BNA_E

ClientSampleId :

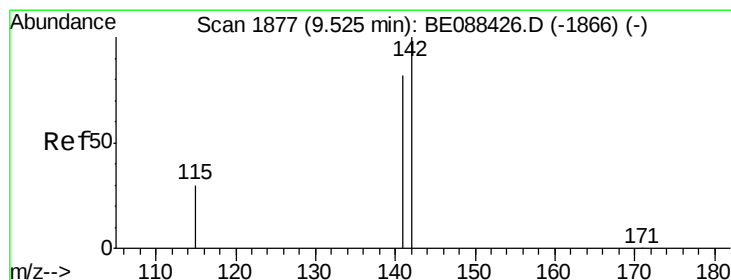
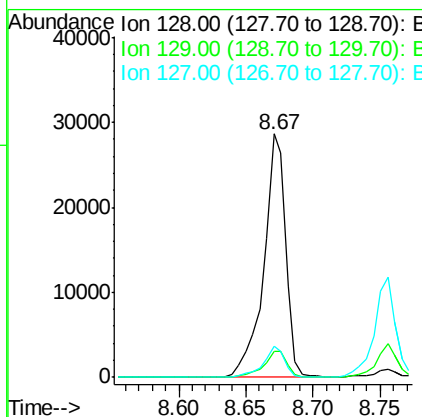
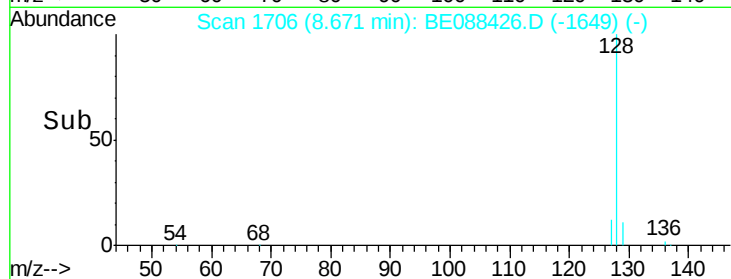
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Tgt Ion:	128	Resp:	32464
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.6	12.8
127	12.6	10.1	15.1

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#6

2-Methylnaphthalene

Concen: 1.03 ng

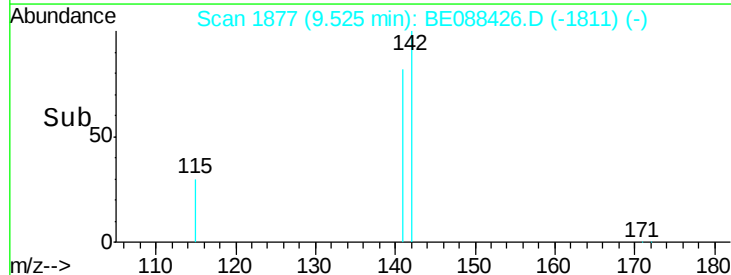
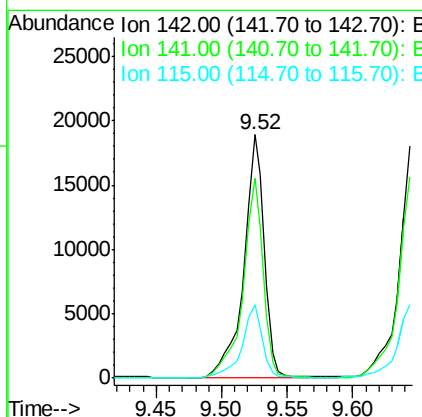
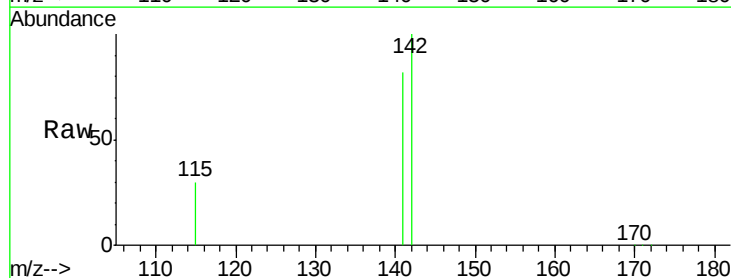
RT: 9.52 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE088426.D

Acq: 31 Oct 2014 17:01

Tgt Ion:	142	Resp:	20236
Ion Ratio	Lower	Upper	
142	100		
141	82.3	65.8	98.8
115	30.3	24.2	36.4





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088426.D

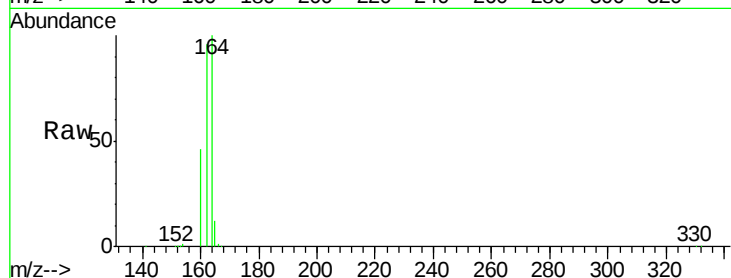
Acq: 31 Oct 2014 17:01

Instrument :

BNA_E

ClientSampleId :

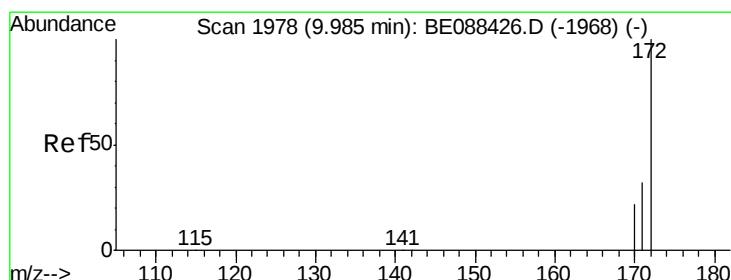
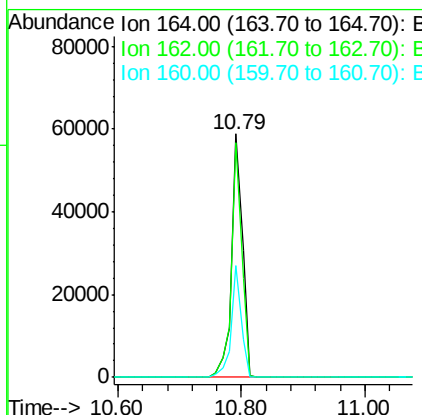
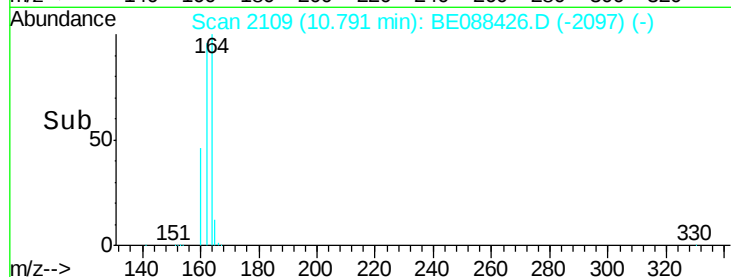
SSTDICCC001



Tgt Ion:	164	Resp:	71050
Ion Ratio	Lower	Upper	
164	100		
162	96.2	77.0	115.4
160	46.0	36.8	55.2

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#8

2-Fluorobiphenyl

Concen: 1.03 ng

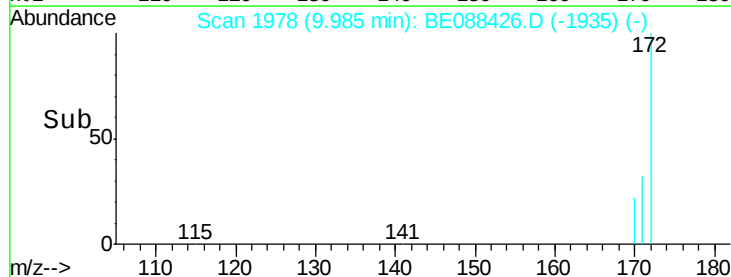
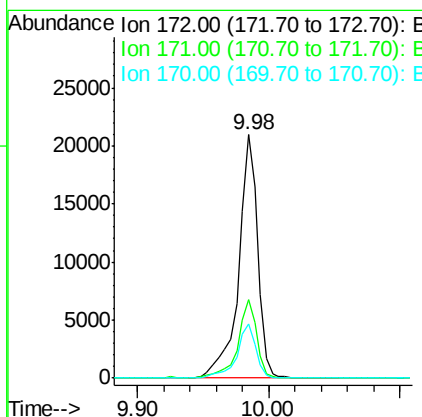
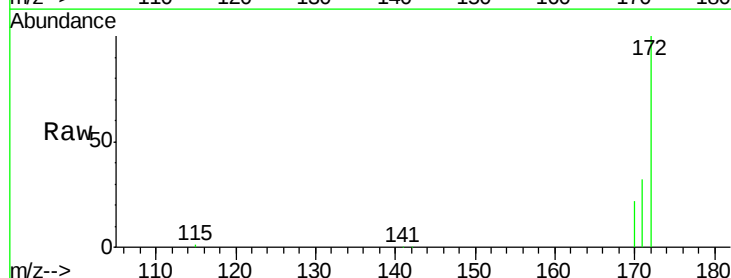
RT: 9.98 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BE088426.D

Acq: 31 Oct 2014 17:01

Tgt Ion:	172	Resp:	20894
Ion Ratio	Lower	Upper	
172	100		
171	32.5	26.0	39.0
170	22.0	17.6	26.4





#9

Acenaphthylene

Concen: 1.01 ng

RT: 10.62 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BE088426.D

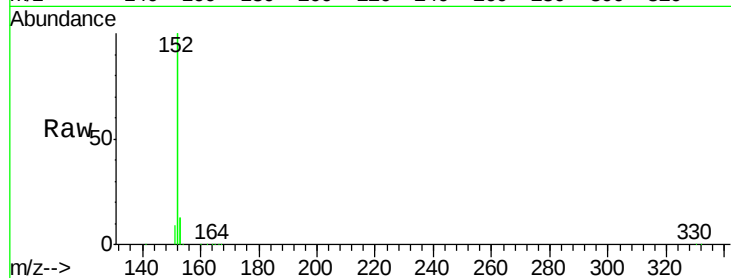
Acq: 31 Oct 2014 17:01

Instrument :

BNA_E

ClientSampleId :

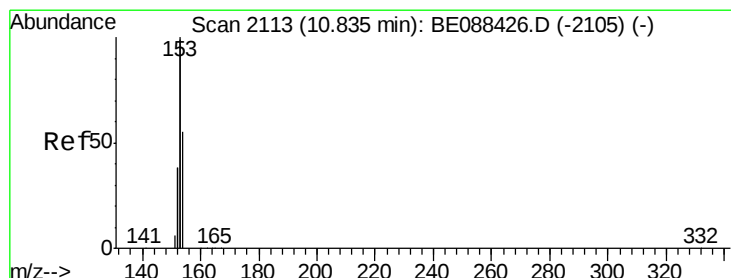
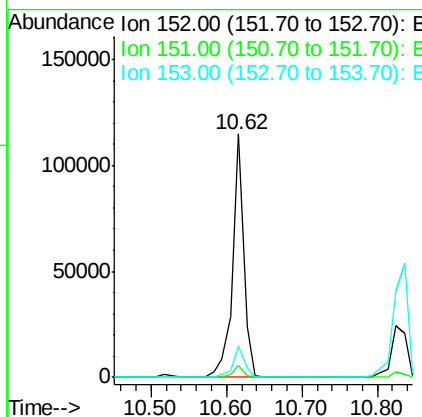
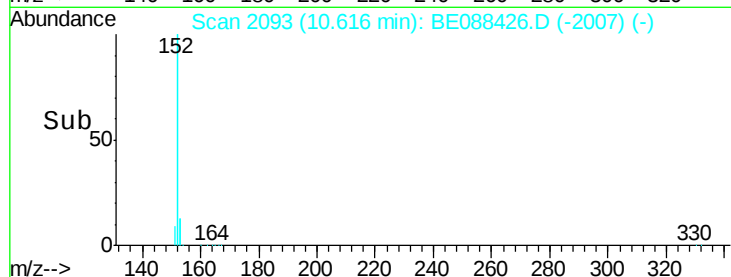
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.5	4.4	6.6
153	13.1	10.5	15.7

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#10

Acenaphthene

Concen: 1.00 ng

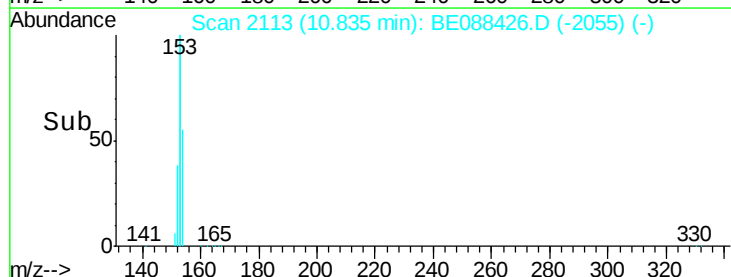
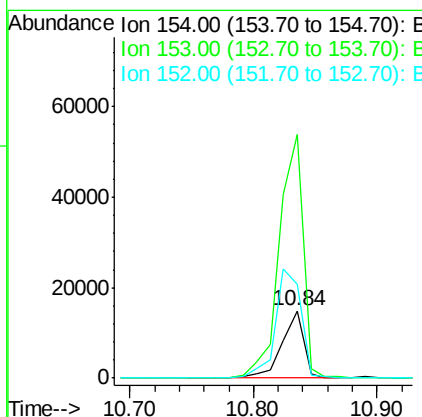
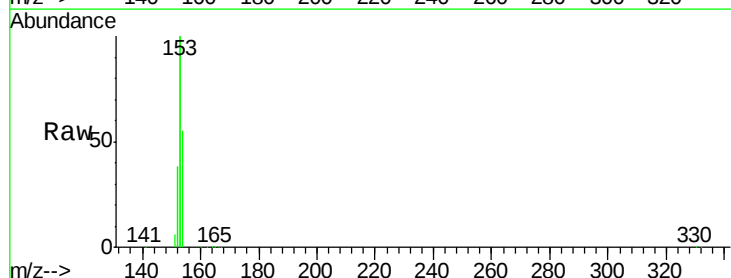
RT: 10.84 min Scan# 2113

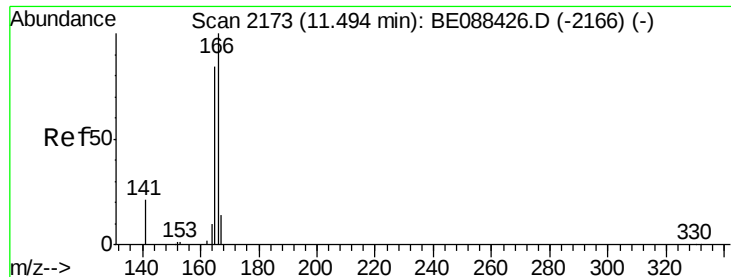
Delta R.T. 0.00 min

Lab File: BE088426.D

Acq: 31 Oct 2014 17:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	405.4	324.3	486.5
152	193.6	154.9	232.3





#11

Fluorene

Concen: 1.05 ng

RT: 11.49 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE088426.D

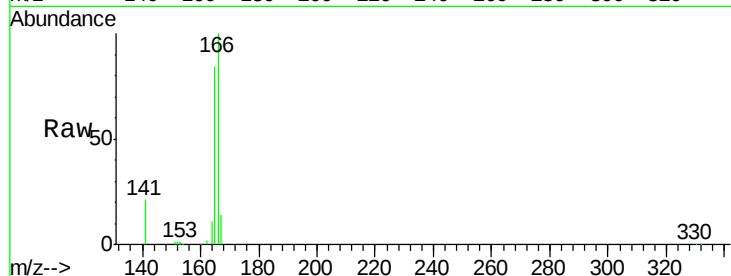
Acq: 31 Oct 2014 17:01

Instrument :

BNA_E

ClientSampleId :

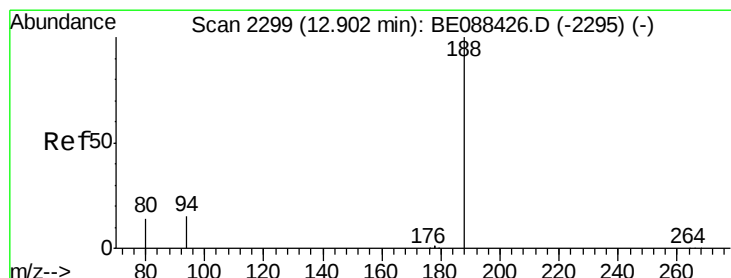
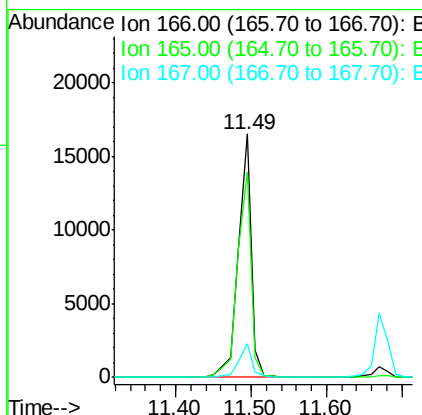
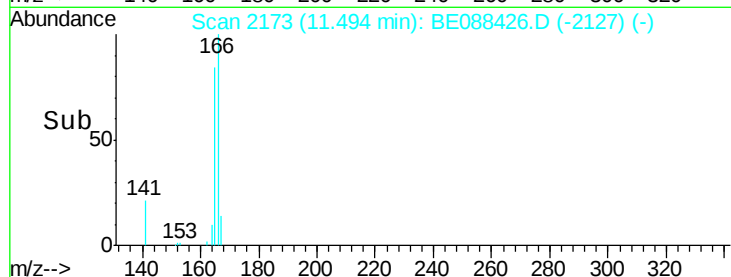
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Tgt Ion:	166	Resp:	19221
Ion Ratio	Lower	Upper	
166	100		
165	89.1	71.3	106.9
167	13.4	10.7	16.1

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#12

Phenanthrene-d10

Concen: 5.00 ng

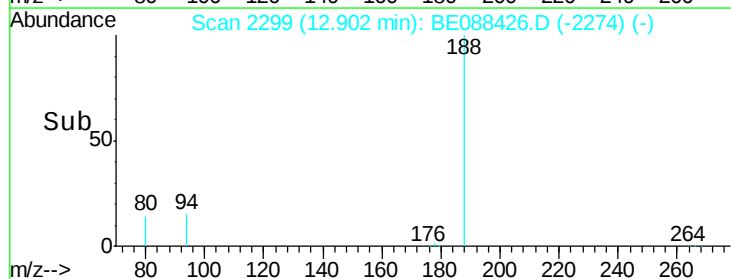
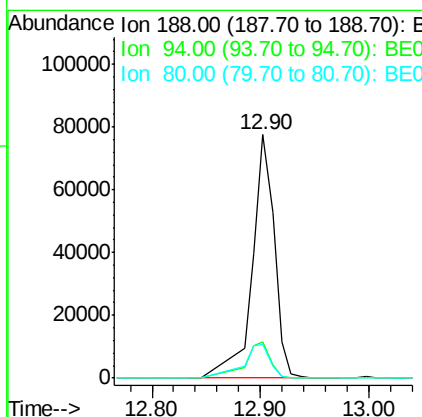
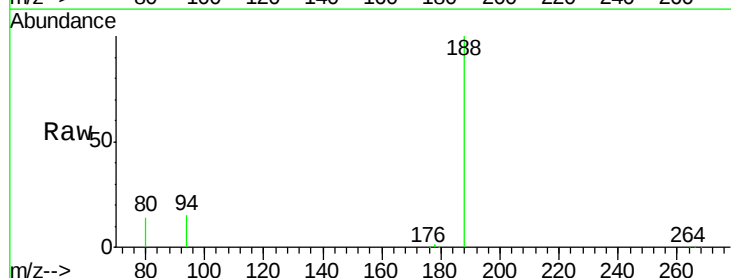
RT: 12.90 min Scan# 2299

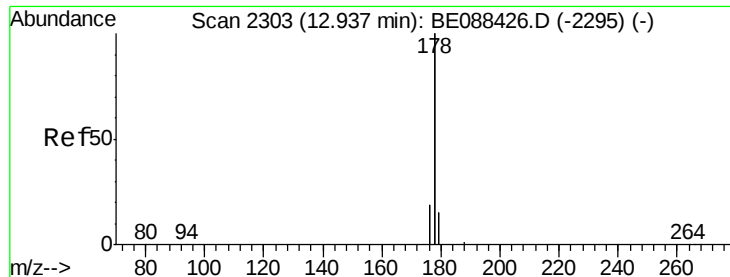
Delta R.T. 0.00 min

Lab File: BE088426.D

Acq: 31 Oct 2014 17:01

Tgt Ion:	188	Resp:	133334
Ion Ratio	Lower	Upper	
188	100		
94	14.8	11.8	17.8
80	13.6	10.9	16.3





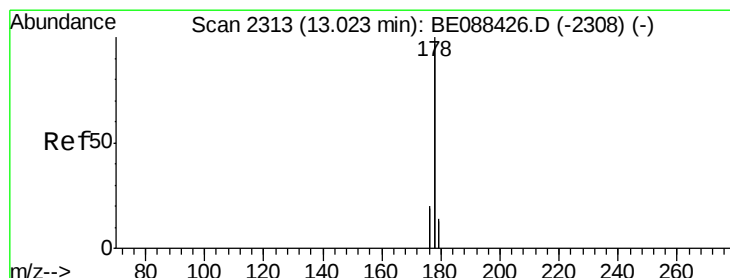
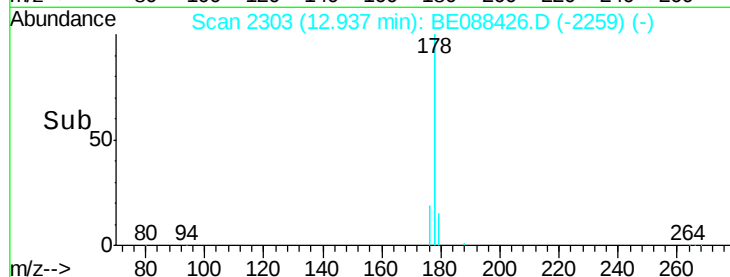
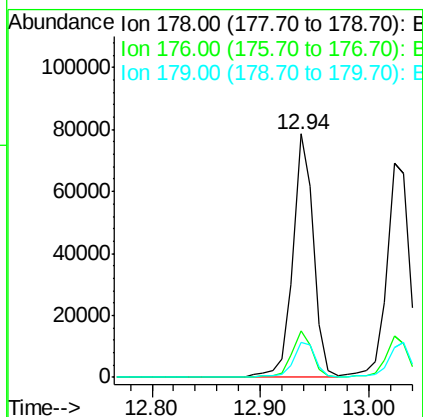
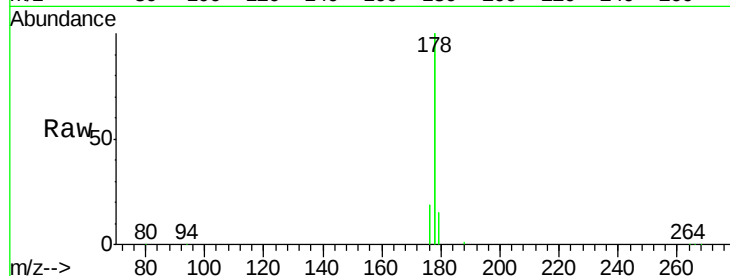
#13
Phenanthrene
Concen: 1.02 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088426.D
Acq: 31 Oct 2014 17:01

Instrument :
BNA_E
ClientSampled :
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.0	12.8	19.2

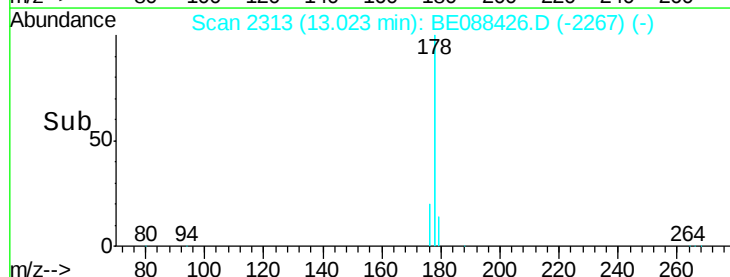
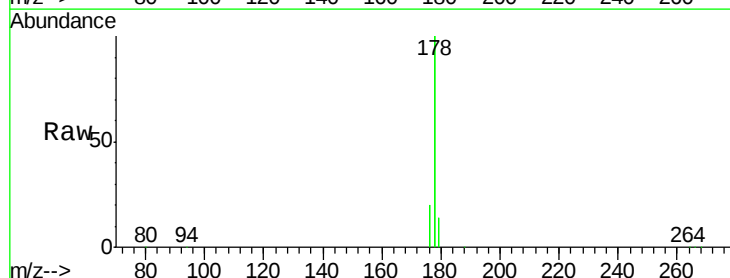
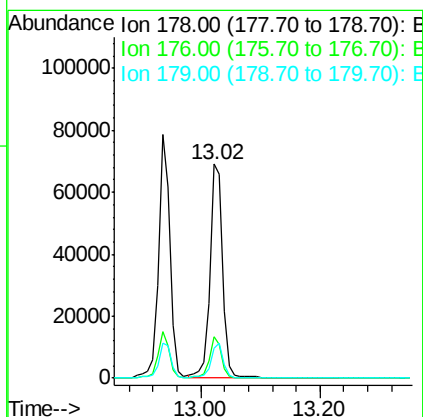
Manual Integrations
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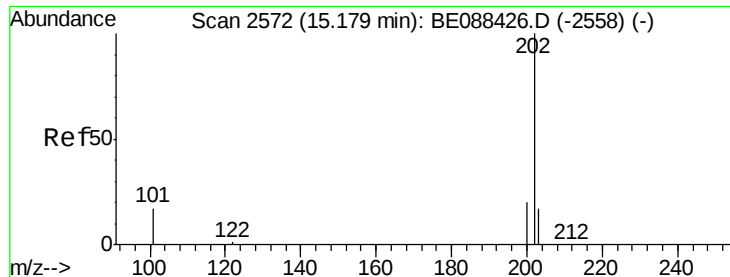
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#14
Anthracene
Concen: 1.03 ng
RT: 13.02 min Scan# 2313
Delta R.T. 0.00 min
Lab File: BE088426.D
Acq: 31 Oct 2014 17:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.5	18.7





#15

Fluoranthene

Concen: 1.06 ng

RT: 15.18 min Scan# 2572

Delta R.T. 0.00 min

Lab File: BE088426.D

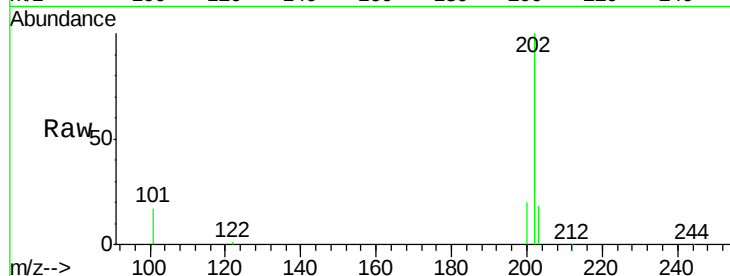
Acq: 31 Oct 2014 17:01

Instrument :

BNA_E

ClientSampleId :

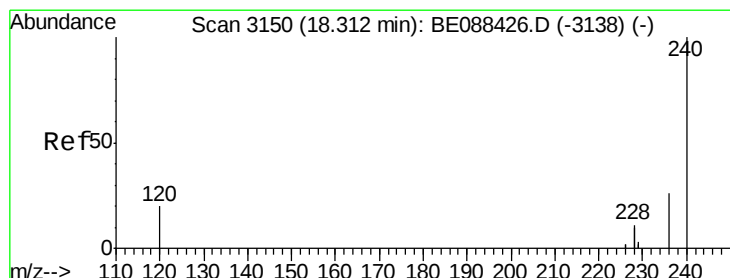
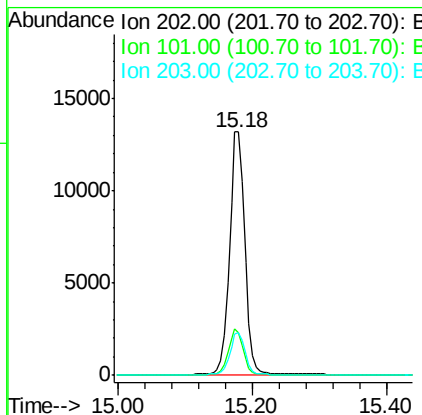
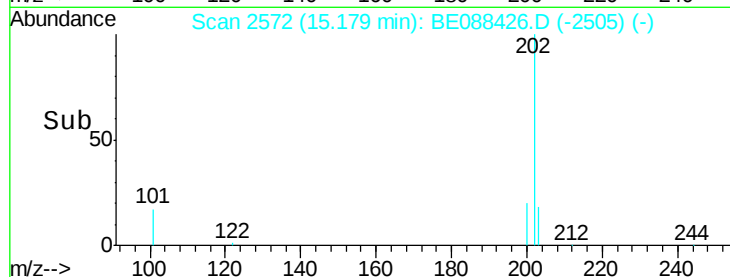
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	20820		
101	17.9	14.3	21.5	
203	17.0	13.6	20.4	

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#16

Chrysene-d12

Concen: 5.00 ng

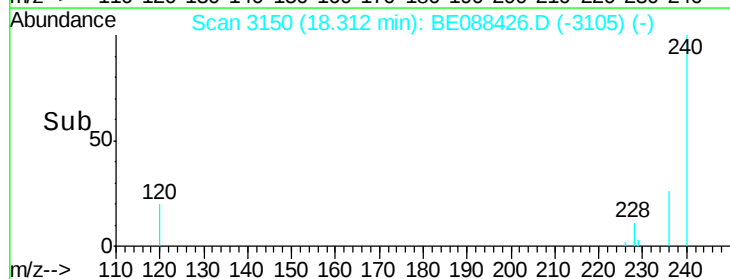
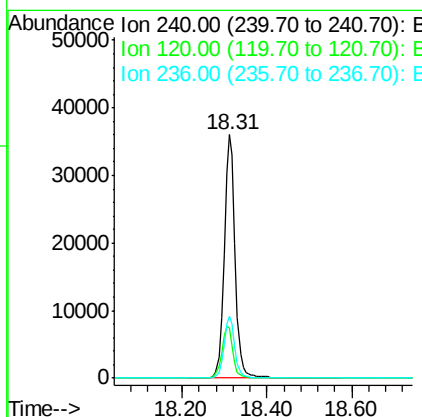
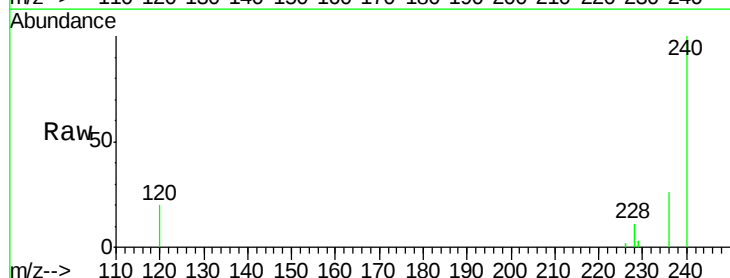
RT: 18.31 min Scan# 3150

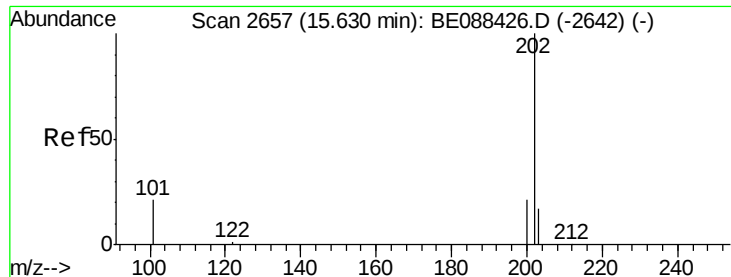
Delta R.T. 0.00 min

Lab File: BE088426.D

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	64490		
120	20.5	16.4	24.6	
236	25.6	20.5	30.7	





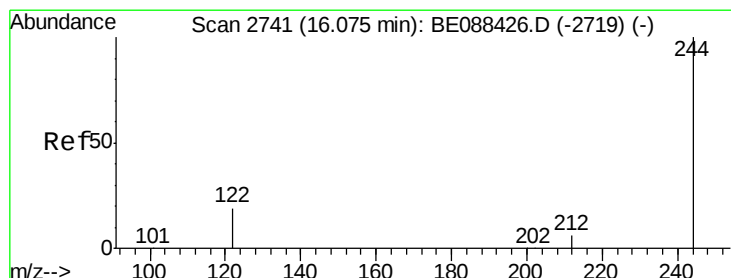
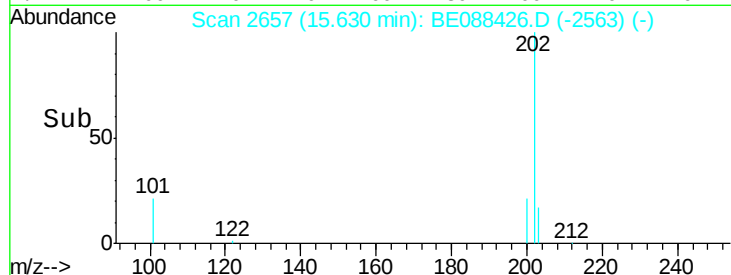
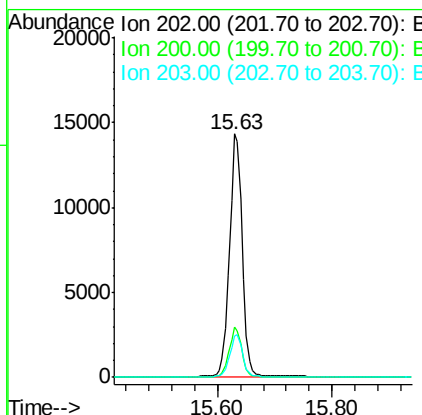
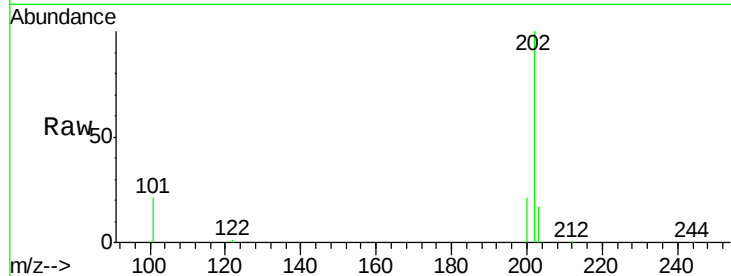
#17
 Pyrene
 Concen: 1.05 ng
 RT: 15.63 min Scan# 2657
 Delta R.T. 0.00 min
 Lab File: BE088426.D
 Acq: 31 Oct 2014 17:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

Tgt Ion:	202	Resp:	22109
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.1	24.1
203	17.3	13.8	20.8

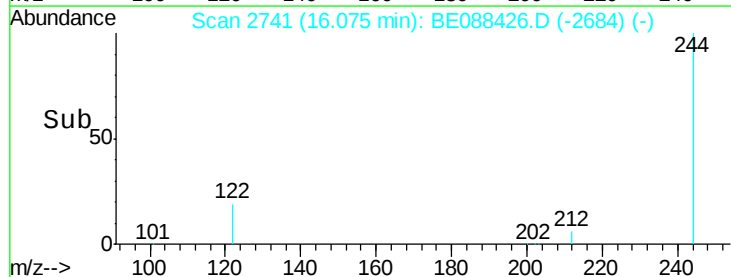
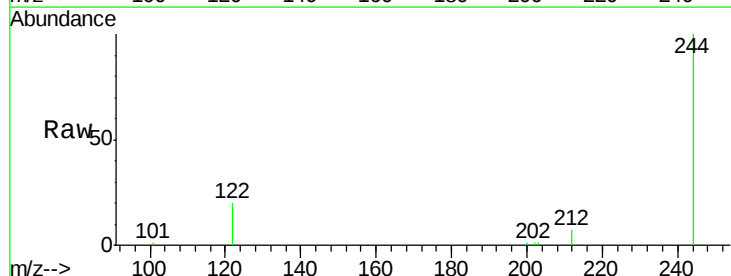
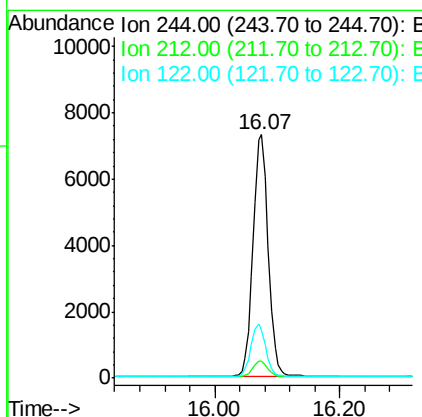
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#18
 Terphenyl-d14
 Concen: 1.04 ng
 RT: 16.07 min Scan# 2741
 Delta R.T. 0.00 min
 Lab File: BE088426.D
 Acq: 31 Oct 2014 17:01

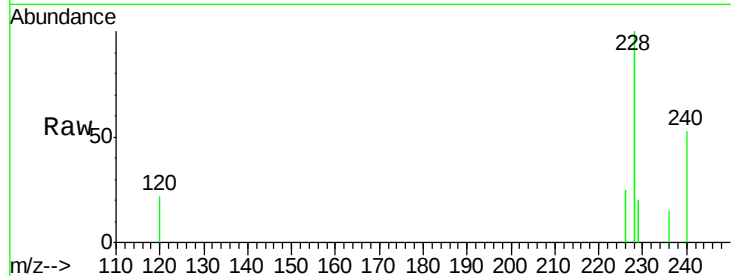
Tgt Ion:	244	Resp:	12306
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.5	8.3
122	19.5	15.6	23.4





#19
Benzo(a)anthracene
Concen: 1.02 ng
RT: 18.29 min Scan# 3147
Delta R.T. 0.00 min
Lab File: BE088426.D
Acq: 31 Oct 2014 17:01

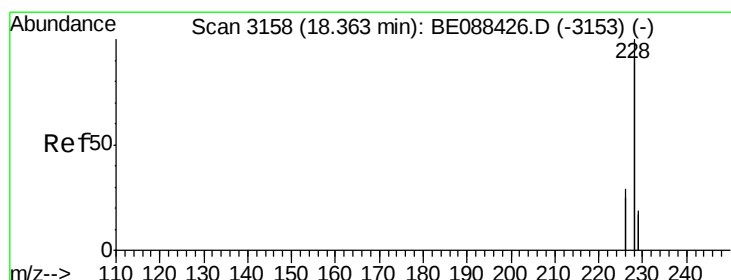
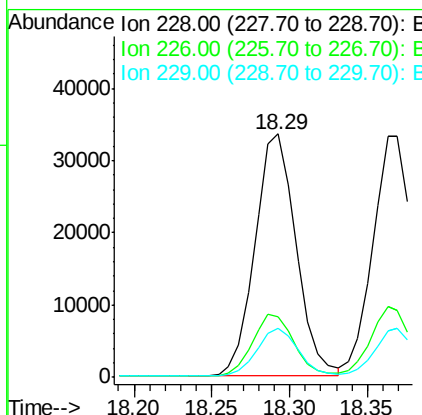
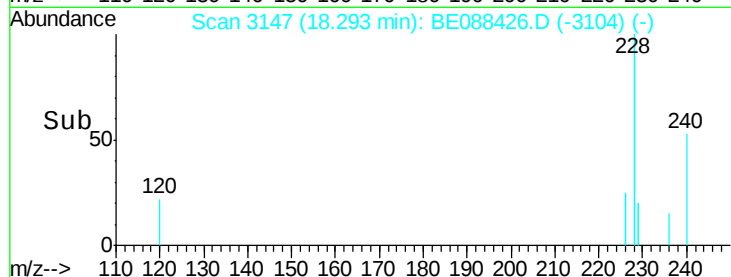
Instrument :
BNA_E
ClientSampleId :
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.7	19.8	29.6
229	20.0	16.0	24.0

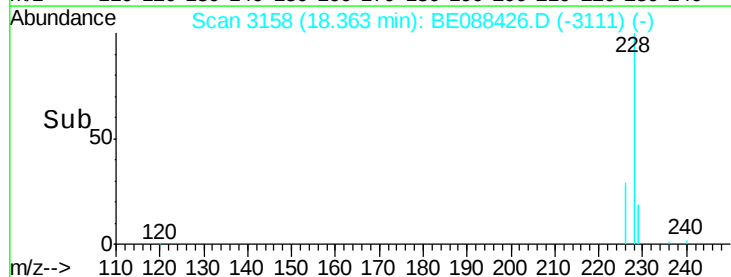
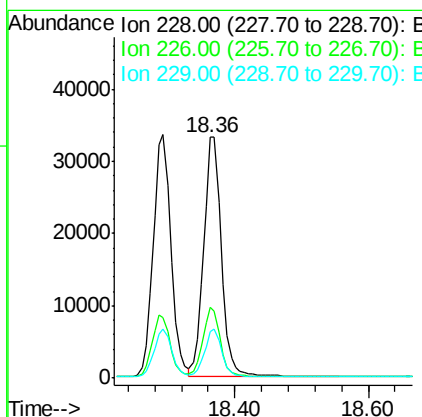
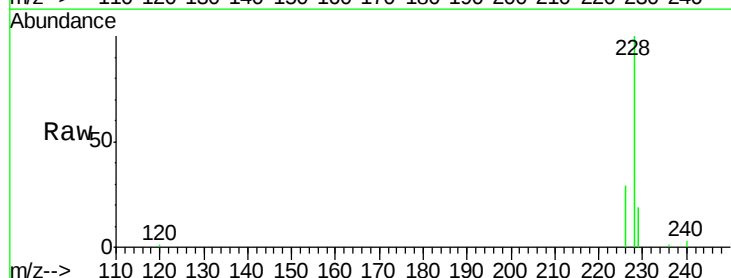
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#20
Chrysene
Concen: 1.03 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088426.D
Acq: 31 Oct 2014 17:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.6	35.4
229	19.3	15.4	23.2





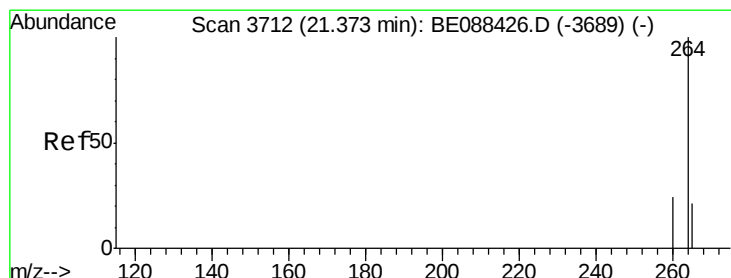
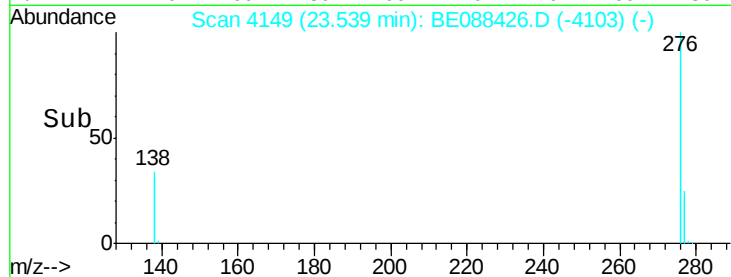
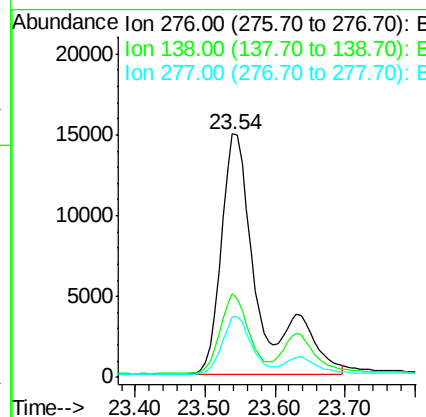
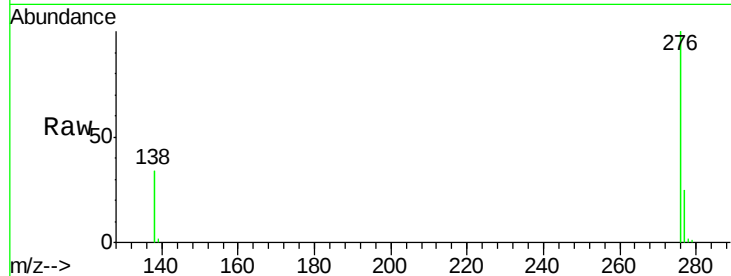
#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.98 ng m
 RT: 23.54 min Scan# 4149
 Delta R.T. 0.00 min
 Lab File: BE088426.D
 Acq: 31 Oct 2014 17:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.2	30.2
277	18.5	14.8	22.2

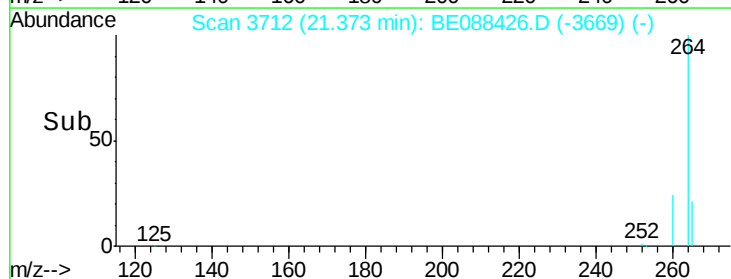
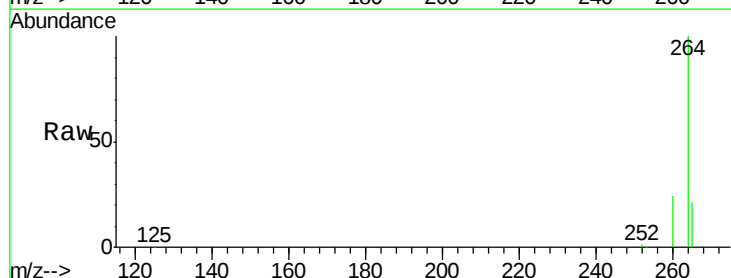
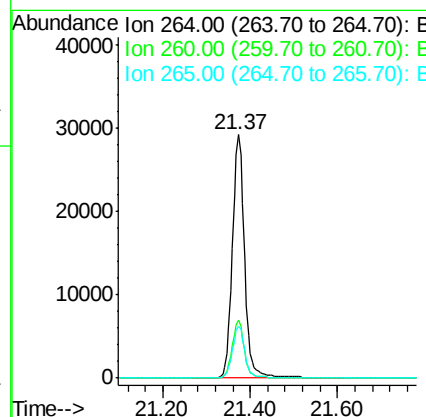
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#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.37 min Scan# 3712
 Delta R.T. 0.00 min
 Lab File: BE088426.D
 Acq: 31 Oct 2014 17:01

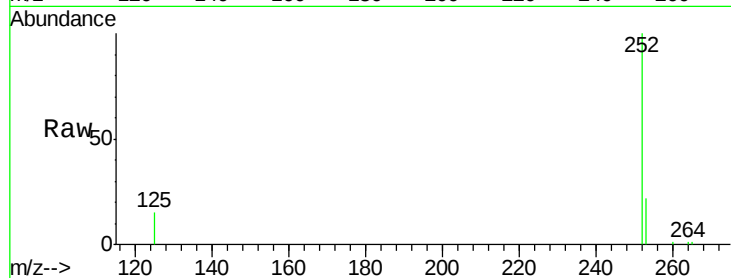
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.5	17.2	25.8





#23
Benzo(b)fluoranthene
Concen: 1.04 ng
RT: 20.61 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BE088426.D
Acq: 31 Oct 2014 17:01

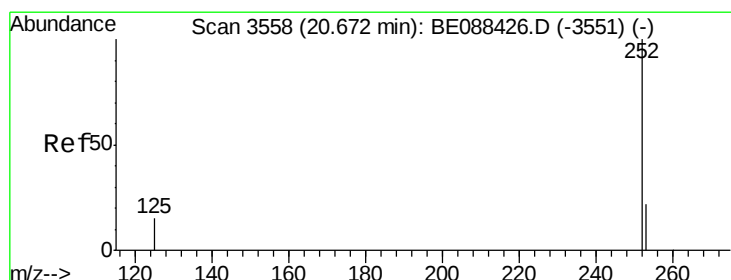
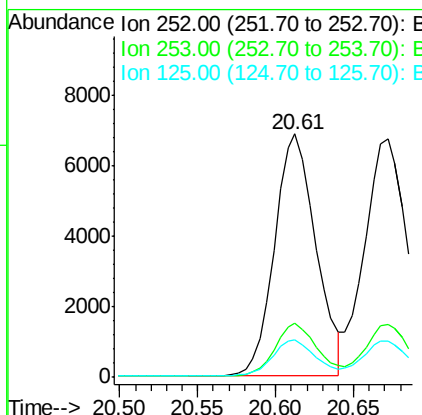
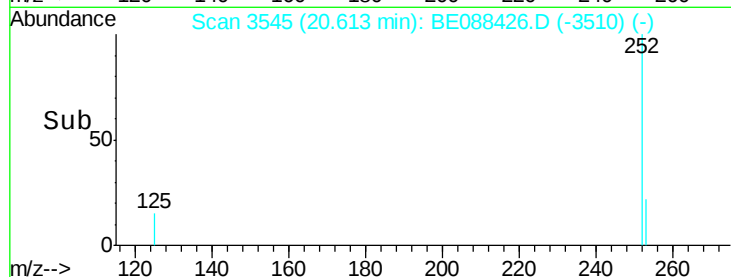
Instrument :
BNA_E
ClientSampleId :
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	15.4	12.3	18.5

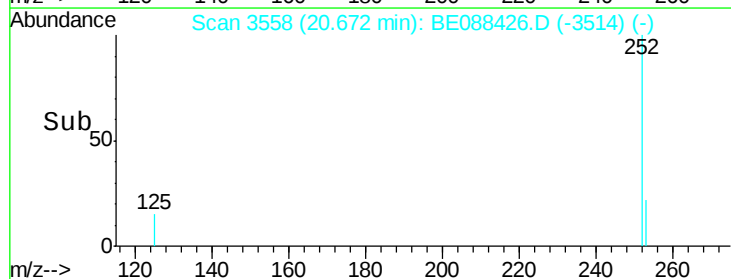
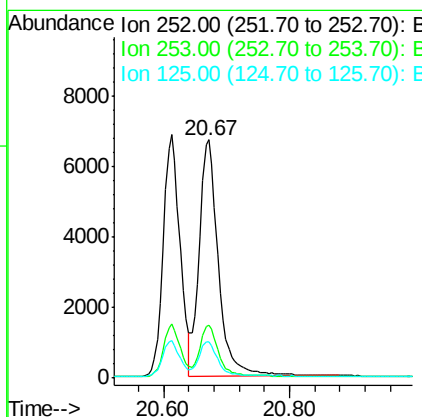
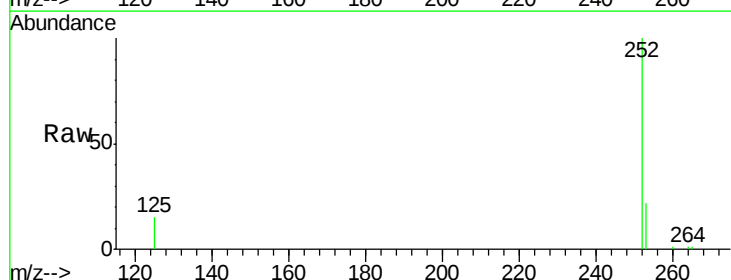
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#24
Benzo(k)fluoranthene
Concen: 1.05 ng
RT: 20.67 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BE088426.D
Acq: 31 Oct 2014 17:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	15.3	12.2	18.4





#25

Benzo(a)pyrene

Concen: 1.04 ng

RT: 21.25 min Scan# 3686

Delta R.T. 0.00 min

Lab File: BE088426.D

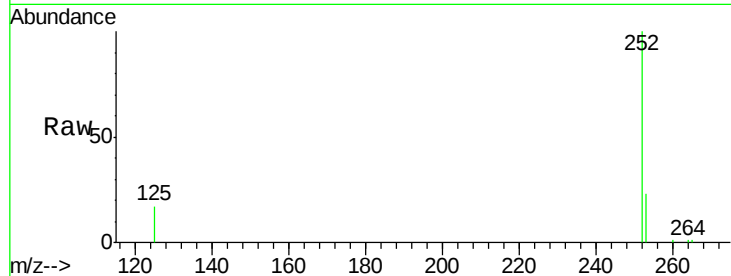
Acq: 31 Oct 2014 17:01

Instrument :

BNA_E

ClientSampleId :

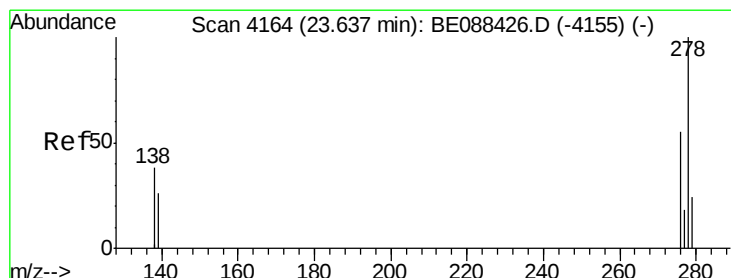
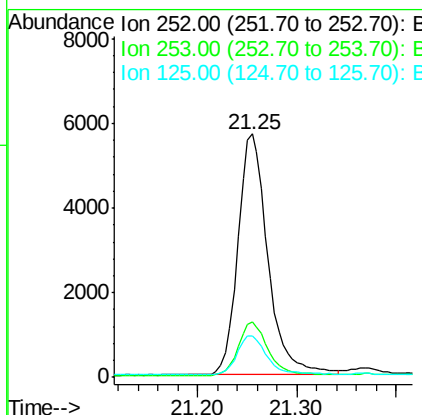
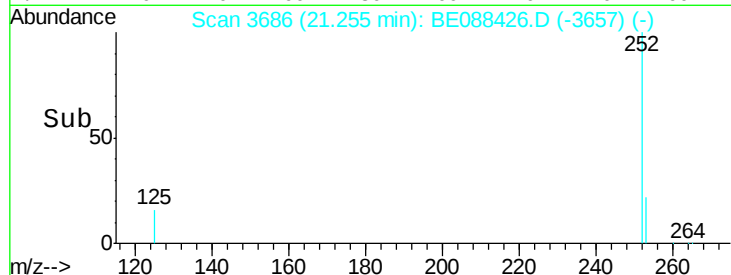
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	17.1	13.7	20.5

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#26

Dibenzo(a,h)anthracene

Concen: 1.04 ng

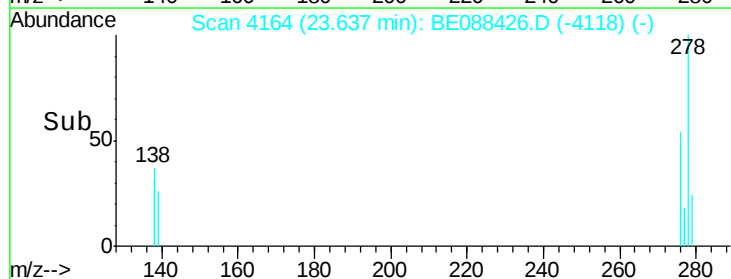
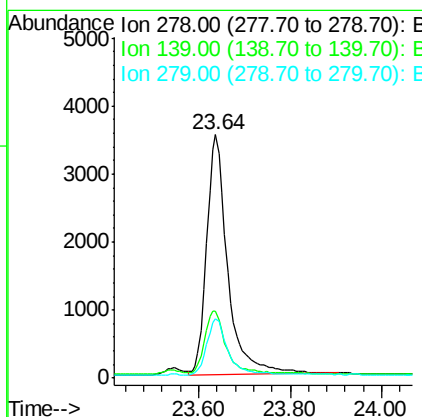
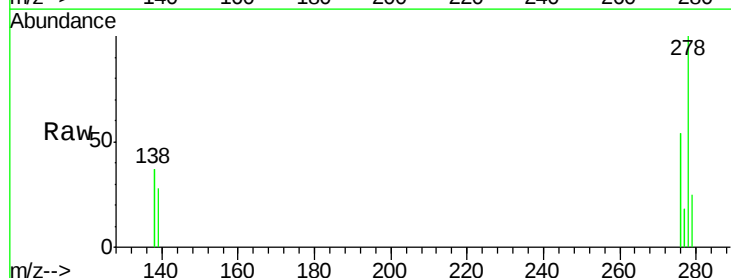
RT: 23.64 min Scan# 4164

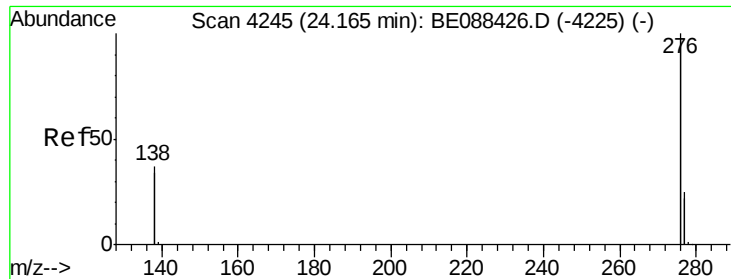
Delta R.T. 0.00 min

Lab File: BE088426.D

Acq: 31 Oct 2014 17:01

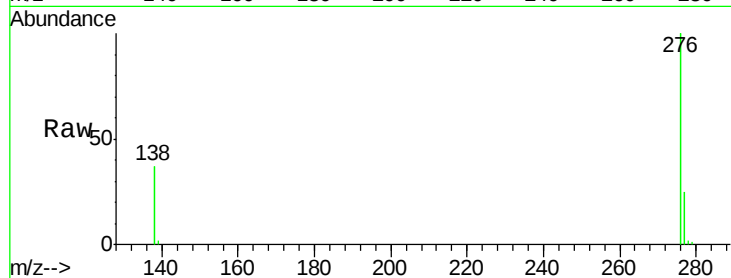
Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.6	22.1	33.1
279	24.6	19.7	29.5





#27
 Benzo(g,h,i)perylene
 Concen: 1.02 ng
 RT: 24.17 min Scan# 4245
 Delta R.T. 0.00 min
 Lab File: BE088426.D
 Acq: 31 Oct 2014 17:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.6
138	36.6	29.3	43.9

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