

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088433.D
 Acq On : 31 Oct 2014 21:29
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:06:12 AM

Quant Time: Oct 31 23:47:57 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 00:42:07 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	39114	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	149478	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	69630	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	125445	5.00	ng	0.00
16) Chrysene-d12	18.31	240	59804	5.00	ng	0.00
22) Perylene-d12	21.37	264	53387	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	11377	1.04	ng	0.00
8) 2-Fluorobiphenyl	9.98	172	20331	1.04	ng	0.00
18) Terphenyl-d14	16.07	244	11300	1.03	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.38	88	5336	1.04	ng	99
5) Naphthalene	8.67	128	31803	1.03	ng	99
6) 2-Methylnaphthalene	9.53	142	19926	1.04	ng	97
9) Acenaphthylene	10.62	152	115755	1.03	ng	100
10) Acenaphthene	10.83	154	16877	1.01	ng	99
11) Fluorene	11.48	166	18260	1.03	ng	99
13) Phenanthrene	12.94	178	129144	1.13	ng	100
14) Anthracene	13.02	178	95822	1.04	ng	99
15) Fluoranthene	15.17	202	19092	1.03	ng	100
17) Pyrene	15.63	202	20160	1.03	ng	100
19) Benzo(a)anthracene	18.29	228	57645	1.02	ng	98
20) Chrysene	18.36	228	57465	1.04	ng	98
21) Indeno(1,2,3-cd)pyrene	23.54	276	53069m	1.03	ng	
23) Benzo(b)fluoranthene	20.61	252	12128	1.04	ng	100
24) Benzo(k)fluoranthene	20.67	252	13279	1.03	ng	100
25) Benzo(a)pyrene	21.25	252	11593	1.03	ng	99
26) Dibenzo(a,h)anthracene	23.63	278	10740	1.03	ng	98
27) Benzo(g,h,i)perylene	24.16	276	49175	1.03	ng	99

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

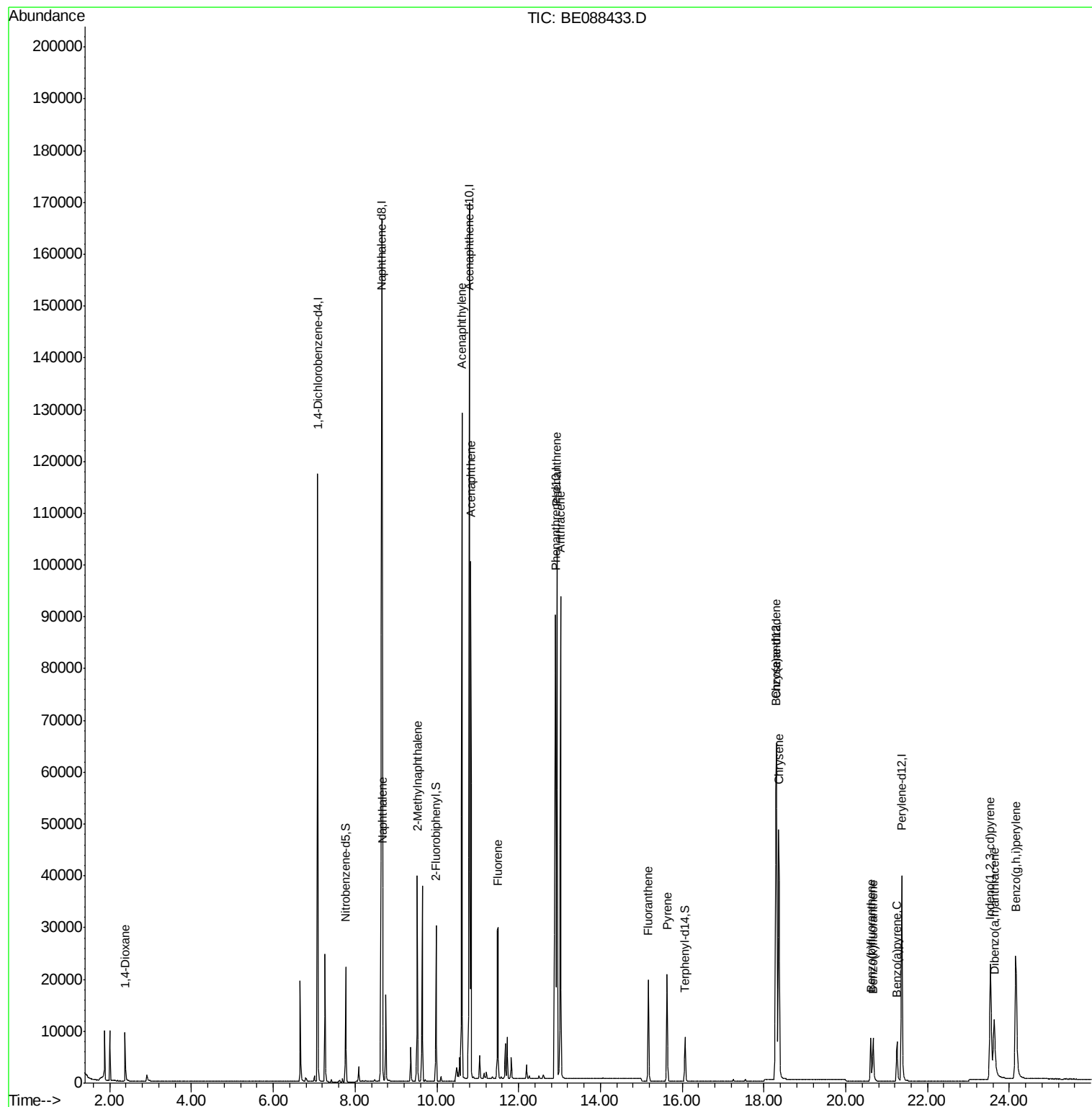
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088433.D
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ALS Vial : 6 Sample Multiplier: 1

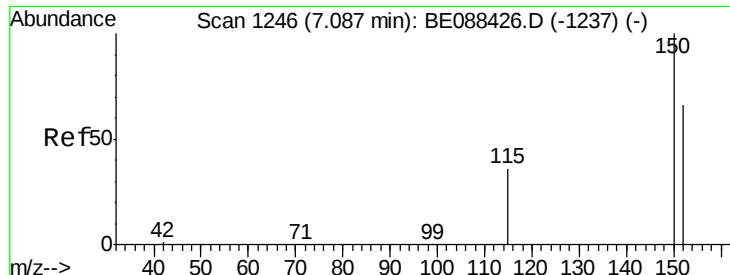
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:42:07 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088433.D

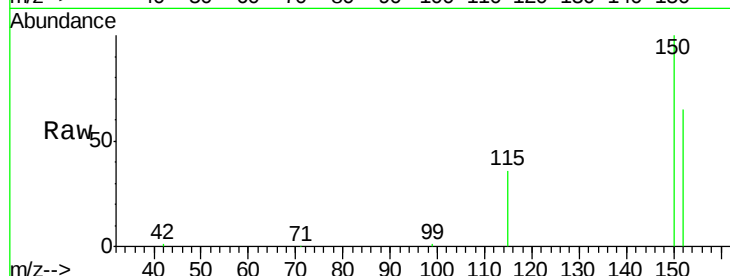
Acq: 31 Oct 2014 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 39114

Ion Ratio Lower Upper

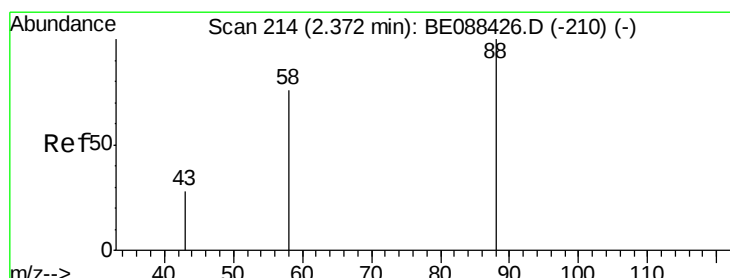
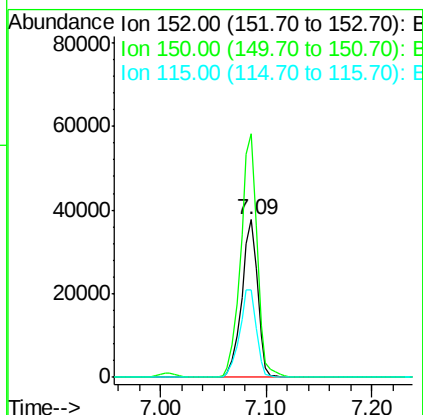
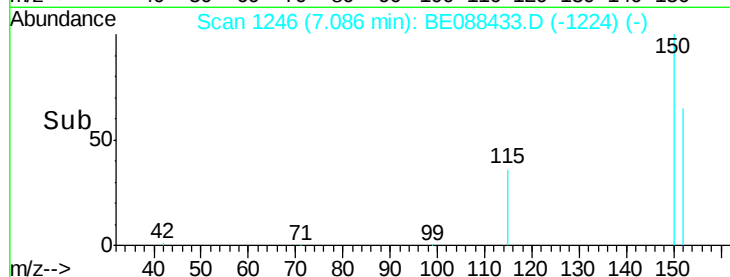
152 100

150 154.7 121.8 182.8

115 55.7 43.9 65.9

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#2

1,4-Dioxane

Concen: 1.04 ng

RT: 2.38 min Scan# 216

Delta R.T. 0.01 min

Lab File: BE088433.D

Acq: 31 Oct 2014 21:29

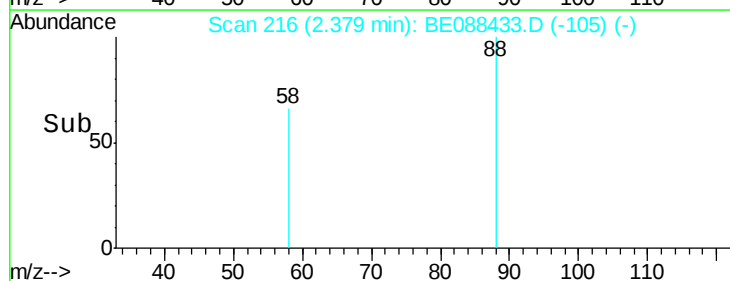
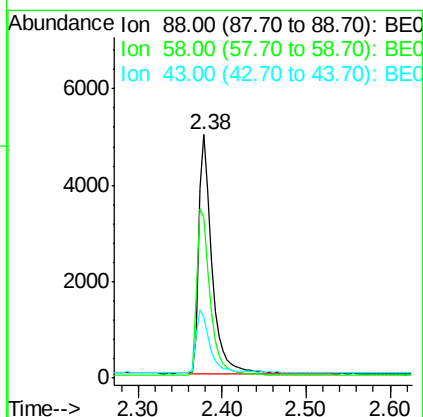
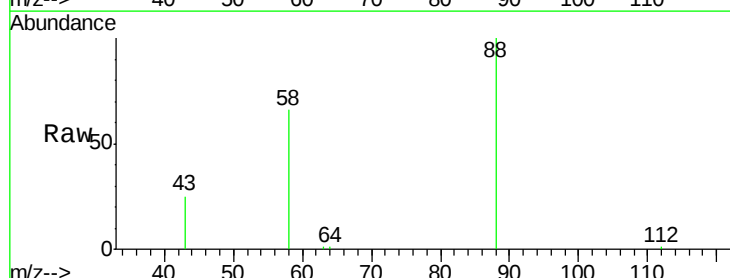
Tgt Ion: 88 Resp: 5336

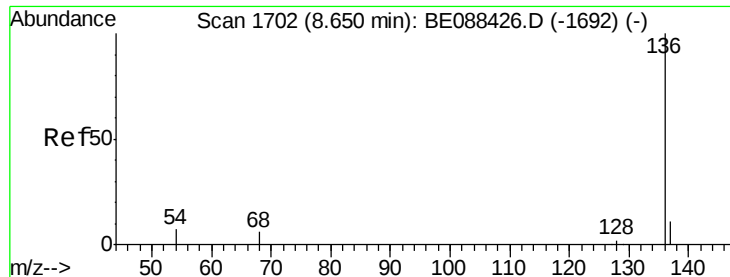
Ion Ratio Lower Upper

88 100

58 73.1 59.1 88.7

43 26.3 21.9 32.9





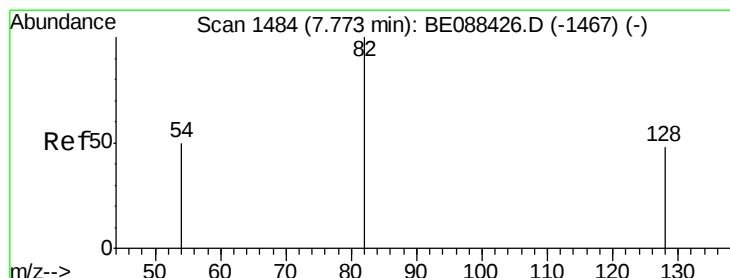
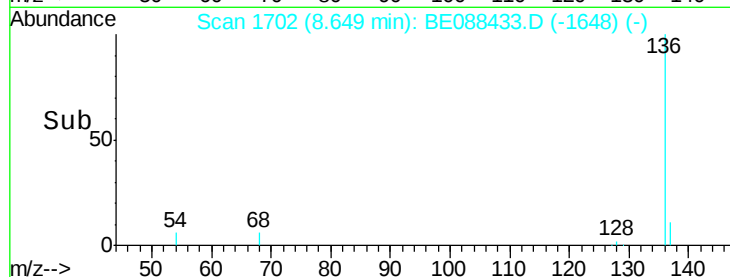
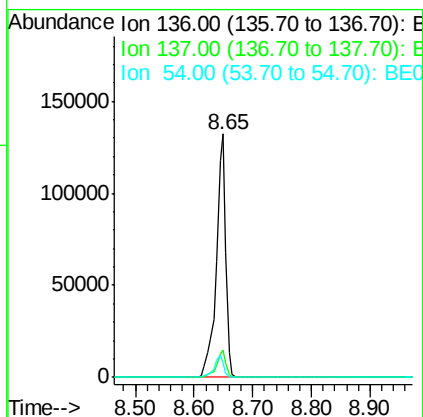
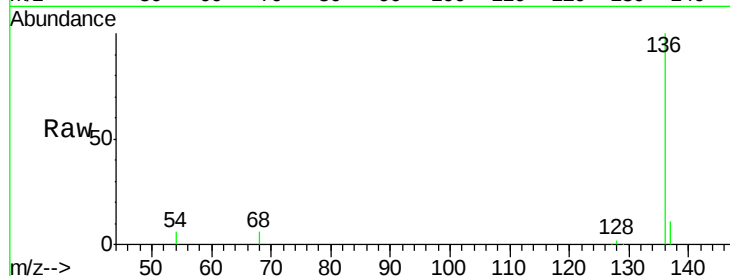
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088433.D
Acq: 31 Oct 2014 21:29

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	149478		
137	11.1	8.8	13.2	
54	6.0	5.3	7.9	

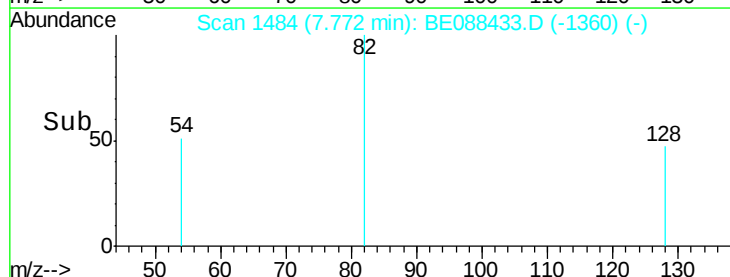
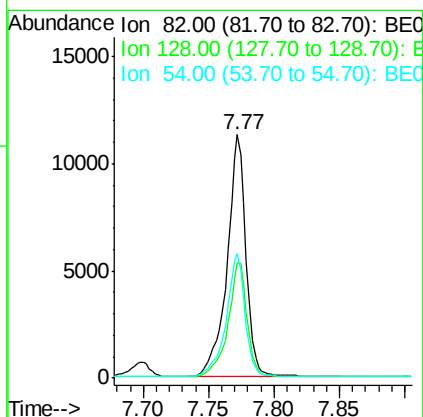
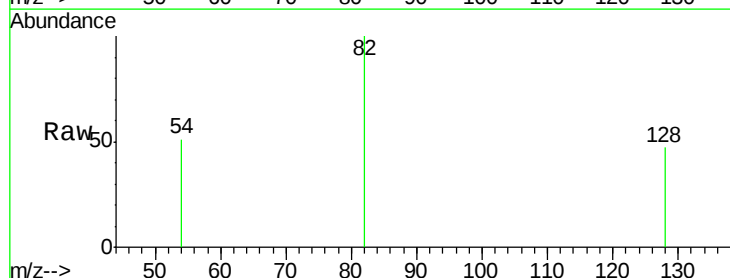
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#4
Nitrobenzene-d5
Concen: 1.04 ng
RT: 7.77 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE088433.D
Acq: 31 Oct 2014 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	11377		
128	47.2	38.4	57.6	
54	51.0	40.2	60.2	





#5

Naphthalene

Concen: 1.03 ng

RT: 8.67 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BE088433.D

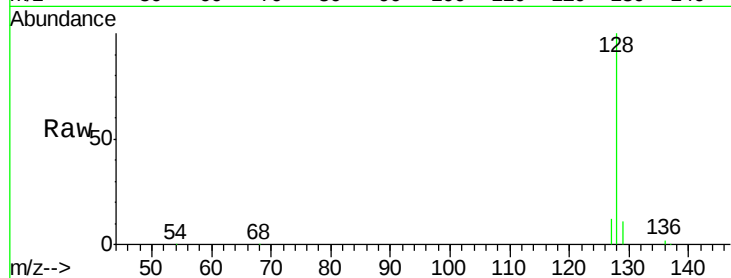
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Instrument :

BNA_E

ClientSampleId :

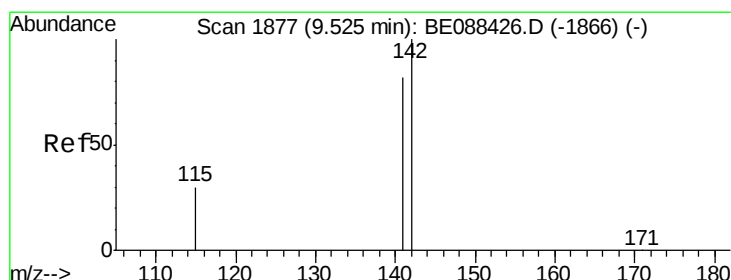
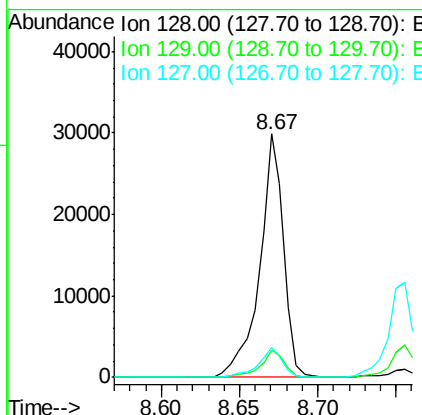
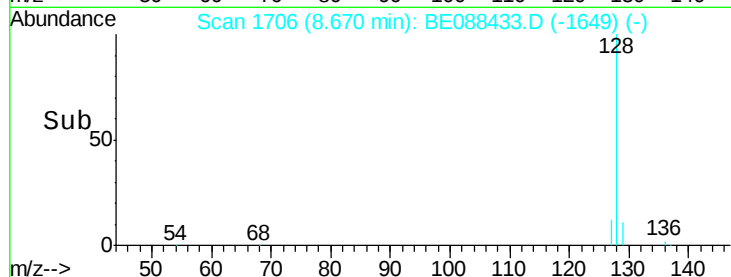
SSTDCCC001



Tgt Ion:	128	Resp:	31803
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	12.4	10.1	15.1

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#6

2-Methylnaphthalene

Concen: 1.04 ng

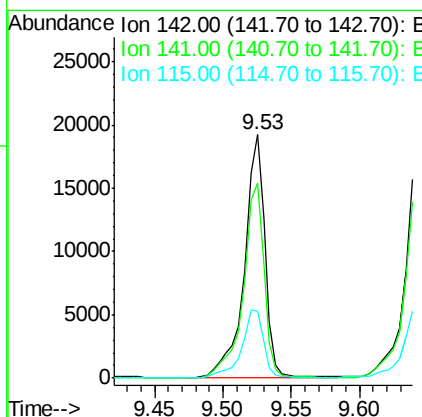
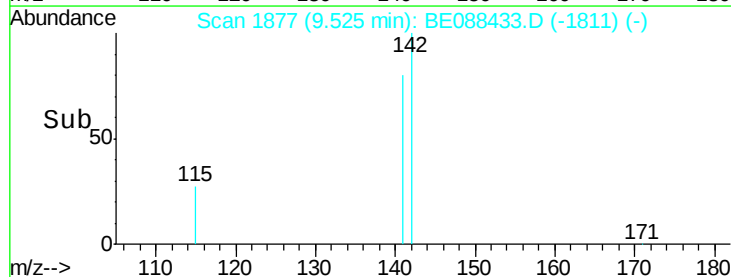
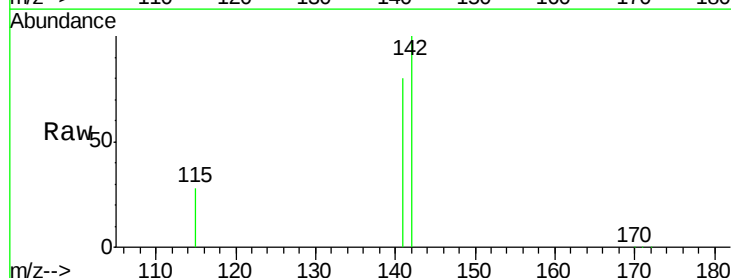
RT: 9.53 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE088433.D

Acq: 31 Oct 2014 21:29

Tgt Ion:	142	Resp:	19926
Ion Ratio	Lower	Upper	
142	100		
141	79.9	65.8	98.8
115	27.5	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: BE088433.D

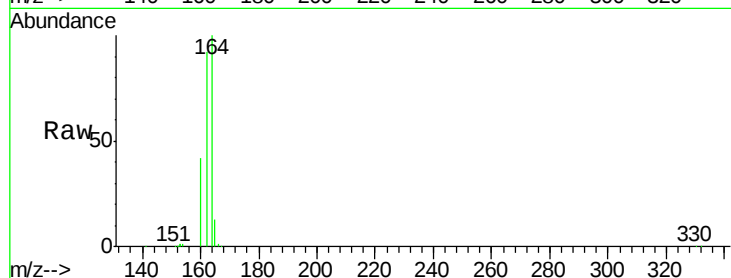
Acq: 31 Oct 2014 21:29

Instrument :

BNA_E

ClientSampleId :

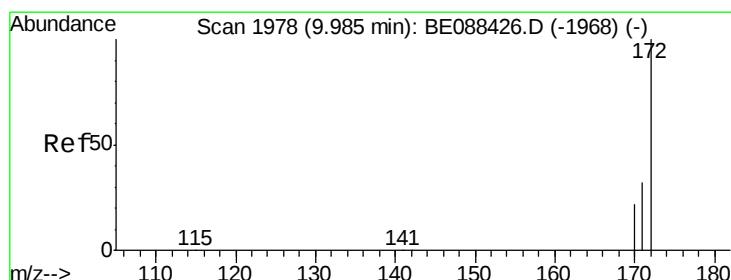
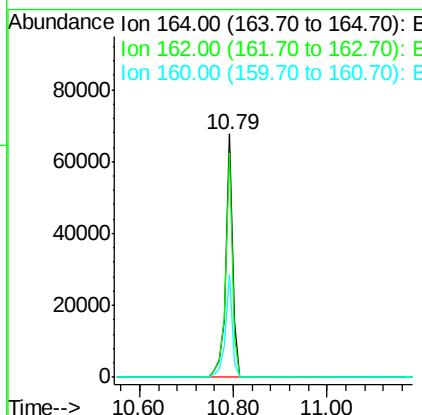
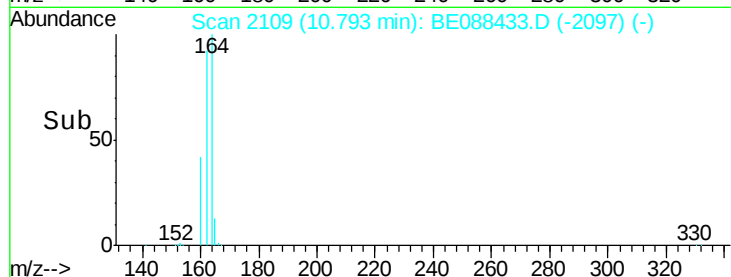
SSTDCCC001



Tgt Ion:	164	Resp:	69630
Ion Ratio	Lower	Upper	
164	100		
162	92.2	77.0	115.4
160	42.0	36.8	55.2

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#8

2-Fluorobiphenyl

Concen: 1.04 ng

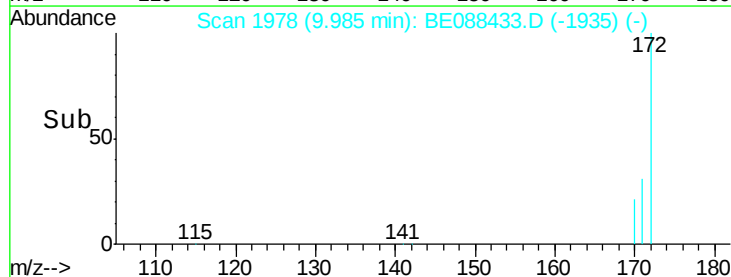
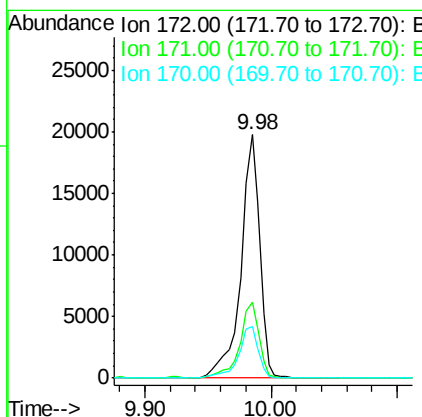
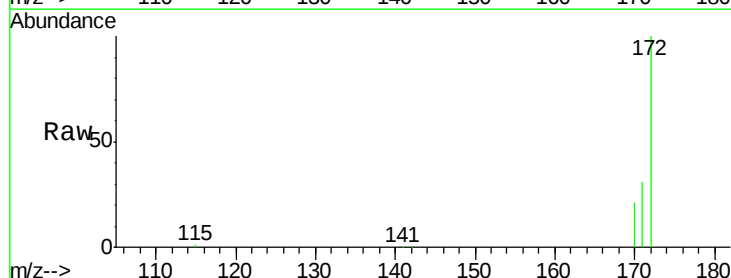
RT: 9.98 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BE088433.D

Acq: 31 Oct 2014 21:29

Tgt Ion:	172	Resp:	20331
Ion Ratio	Lower	Upper	
172	100		
171	31.4	26.0	39.0
170	20.9	17.6	26.4





#9

Acenaphthylene

Concen: 1.03 ng

RT: 10.62 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BE088433.D

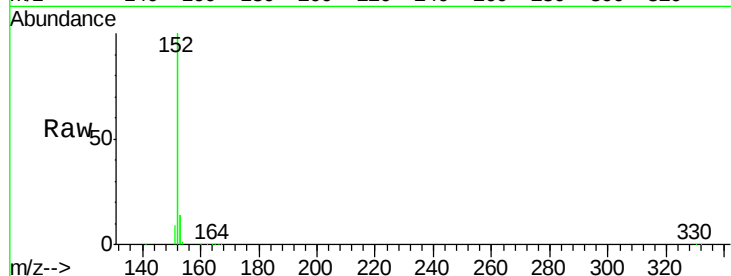
Acq: 31 Oct 2014 21:29

Instrument :

BNA_E

ClientSampleId :

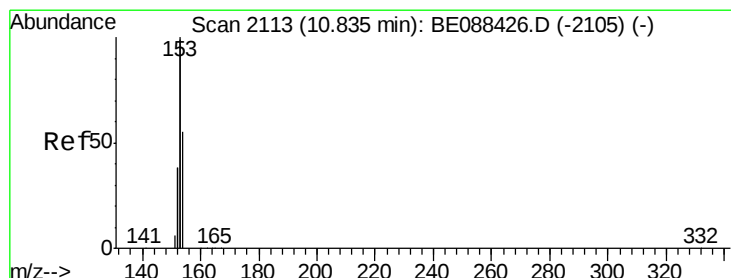
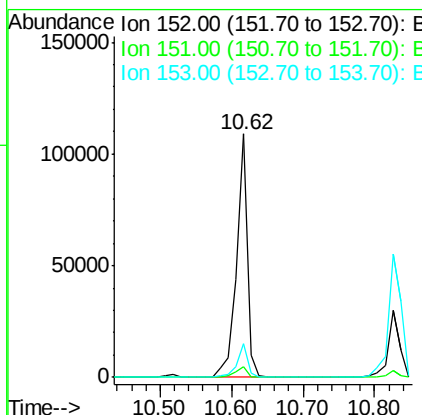
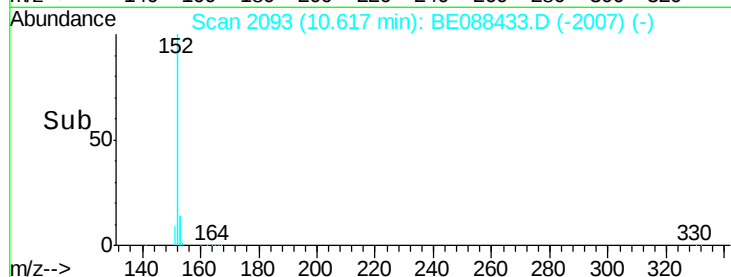
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.5	4.4	6.6
153	13.0	10.5	15.7

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#10

Acenaphthene

Concen: 1.01 ng

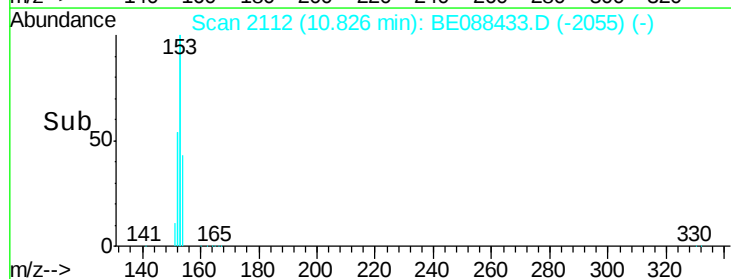
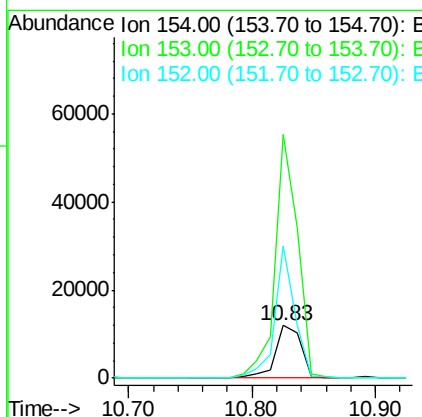
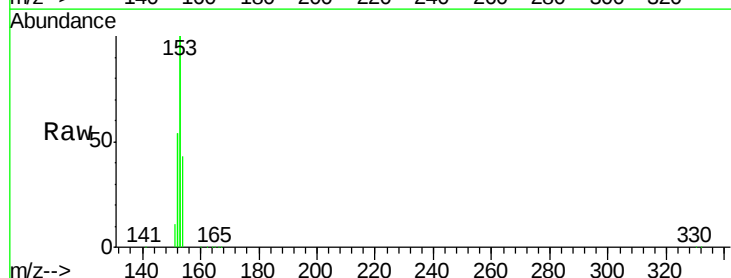
RT: 10.83 min Scan# 2112

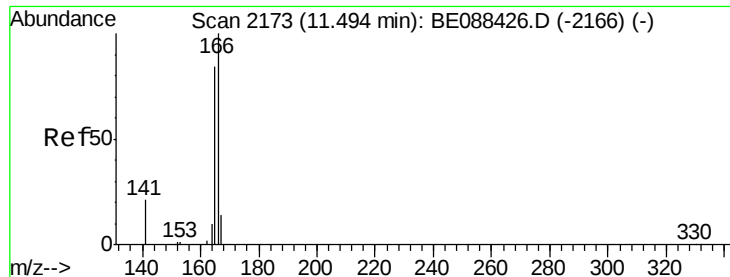
Delta R.T. -0.01 min

Lab File: BE088433.D

Acq: 31 Oct 2014 21:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	403.6	324.3	486.5
152	194.2	154.9	232.3





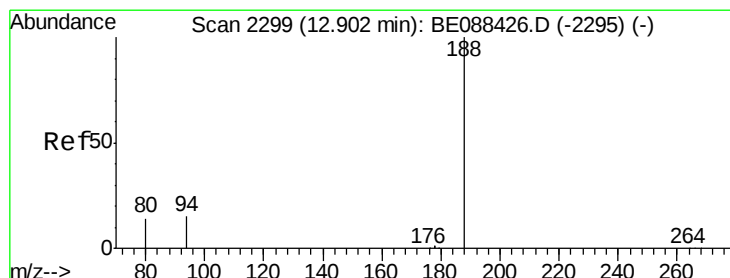
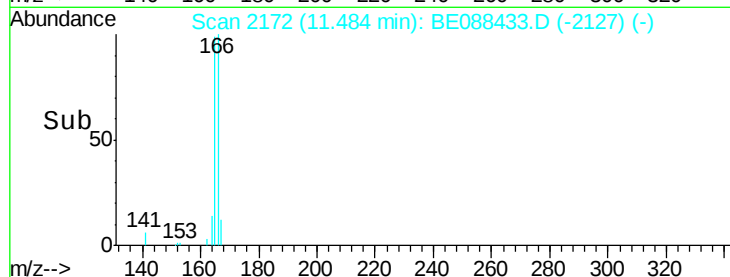
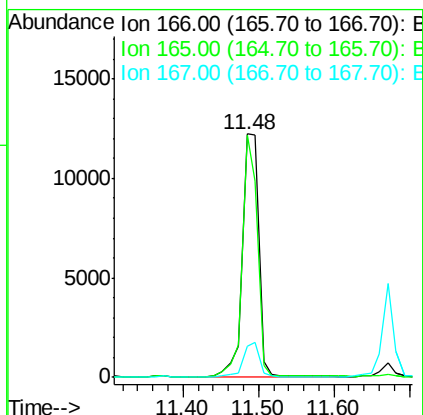
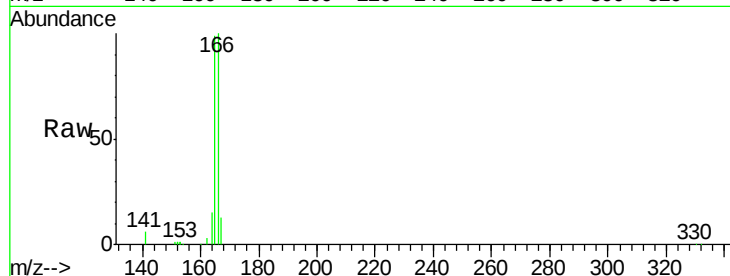
#11
Fluorene
 Concen: 1.03 ng
 RT: 11.48 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BE088433.D
 Acq: 31 Oct 2014 21:29

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.3	71.3	106.9
167	13.3	10.7	16.1

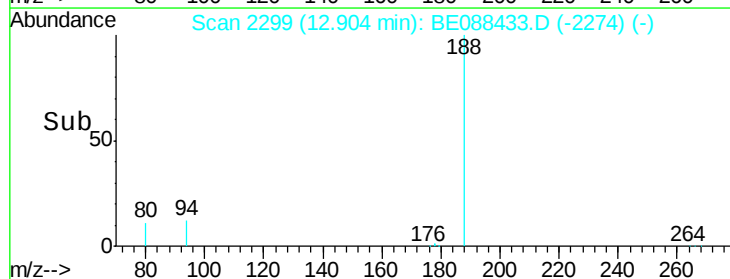
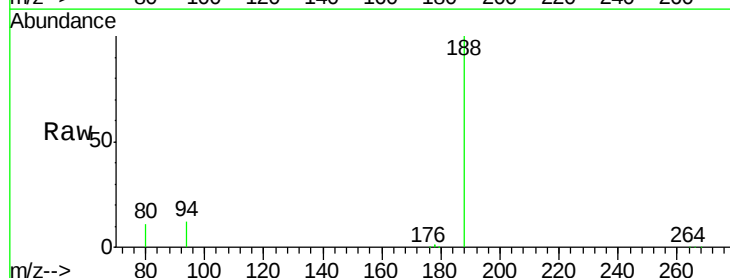
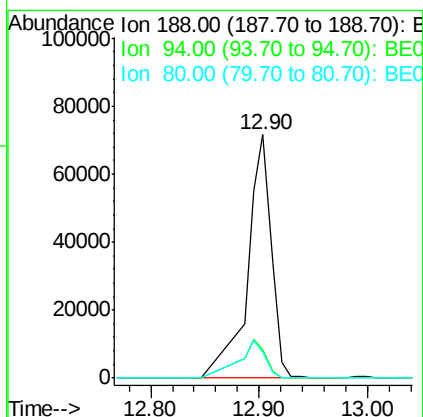
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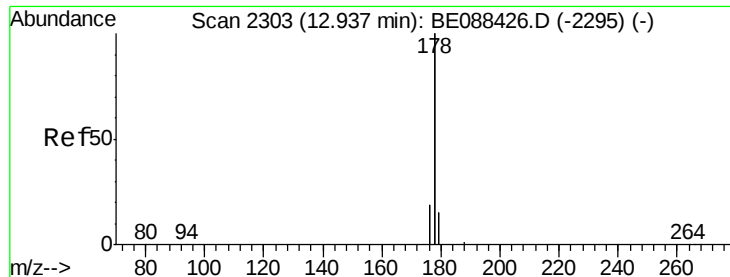
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.90 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: BE088433.D
 Acq: 31 Oct 2014 21:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	11.8	17.8
80	10.7	10.9	16.3#





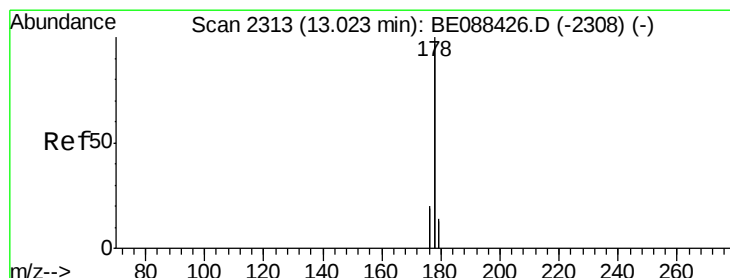
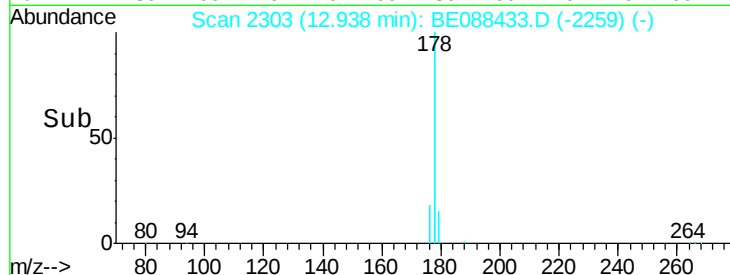
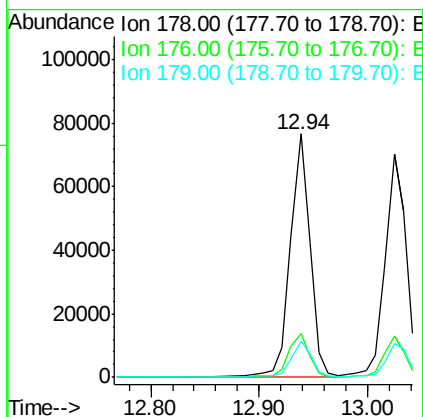
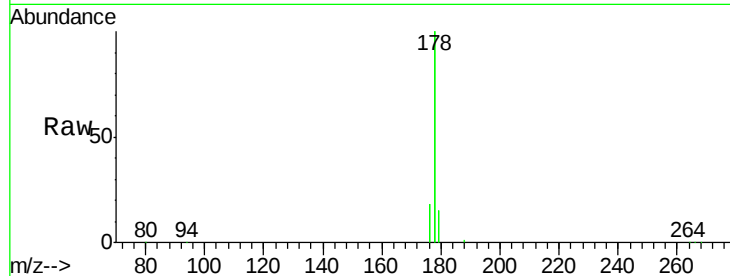
#13
Phenanthrene
Concen: 1.13 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088433.D
Acq: 31 Oct 2014 21:29

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.1	12.8	19.2

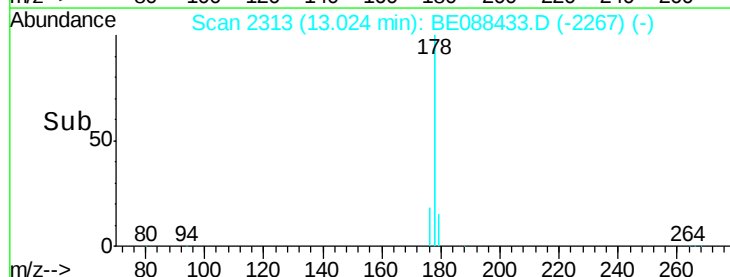
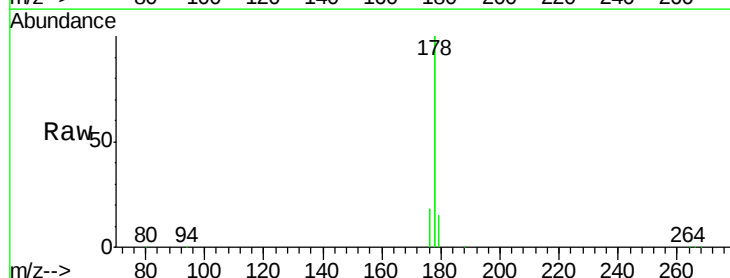
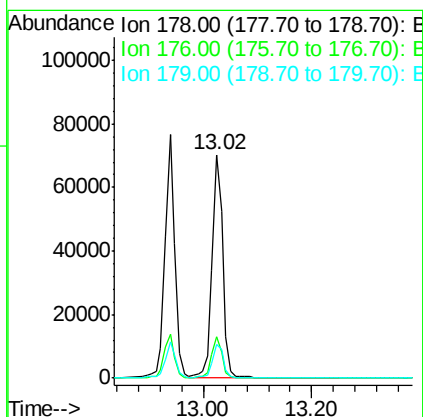
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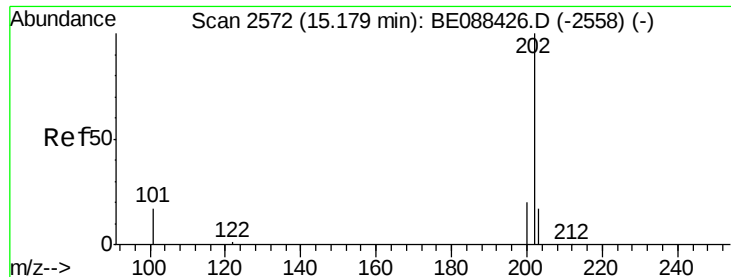
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#14
Anthracene
Concen: 1.04 ng
RT: 13.02 min Scan# 2313
Delta R.T. 0.00 min
Lab File: BE088433.D
Acq: 31 Oct 2014 21:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	15.6	12.5	18.7





#15

Fluoranthene

Concen: 1.03 ng

RT: 15.17 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BE088433.D

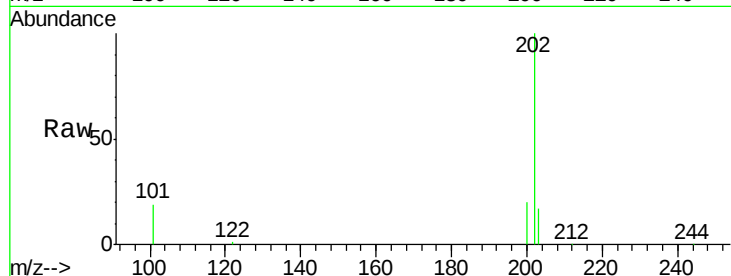
Acq: 31 Oct 2014 21:29

Instrument :

BNA_E

ClientSampleId :

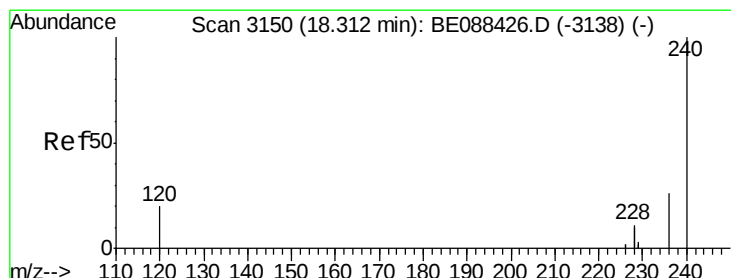
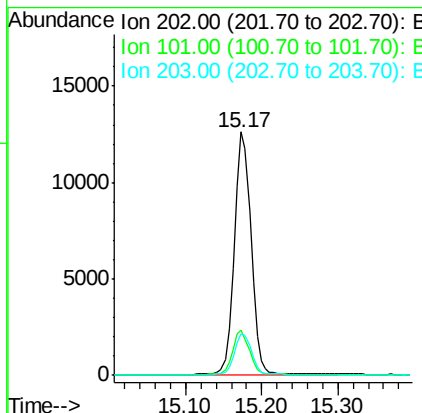
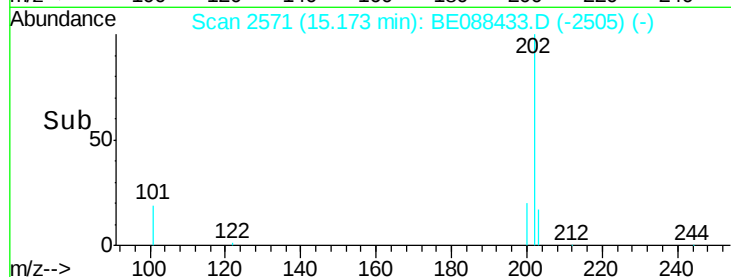
SSTDCCC001



Tgt Ion:	202	Resp:	19092
Ion Ratio	Lower	Upper	
202	100		
101	18.0	14.3	21.5
203	17.0	13.6	20.4

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#16

Chrysene-d12

Concen: 5.00 ng

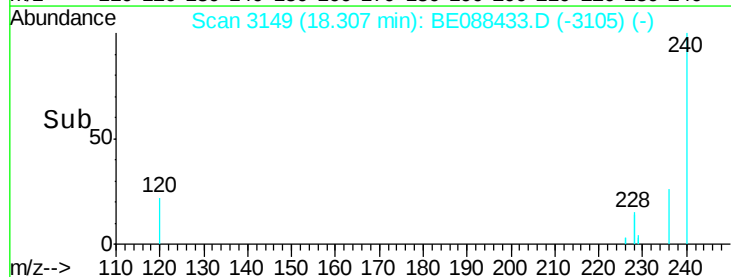
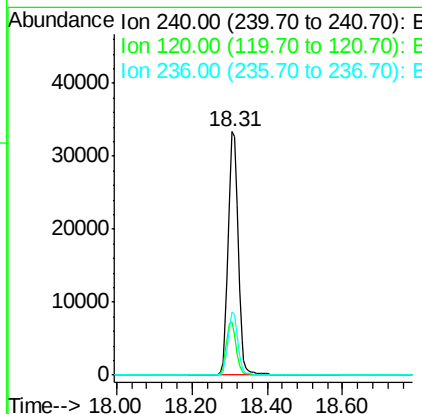
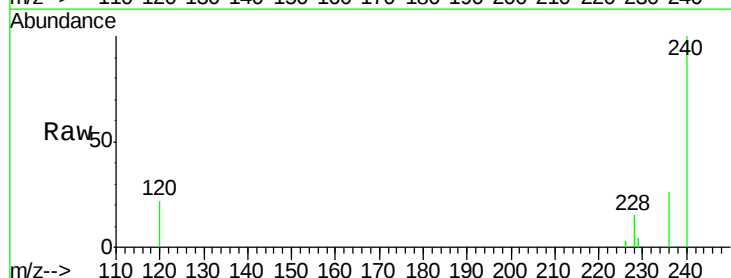
RT: 18.31 min Scan# 3149

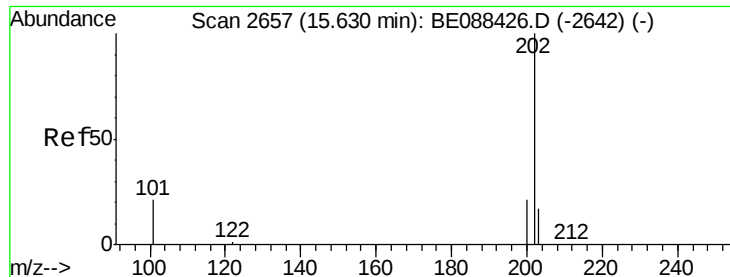
Delta R.T. -0.01 min

Lab File: BE088433.D

Acq: 31 Oct 2014 21:29

Tgt Ion:	240	Resp:	59804
Ion Ratio	Lower	Upper	
240	100		
120	21.7	16.4	24.6
236	25.8	20.5	30.7





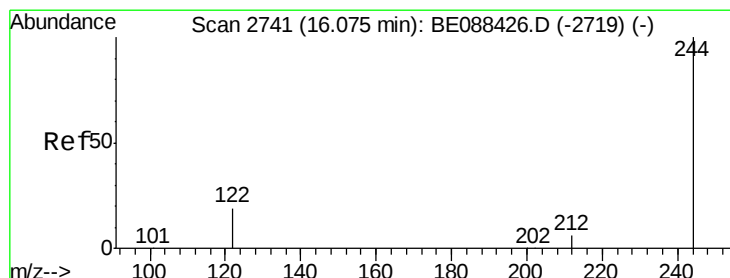
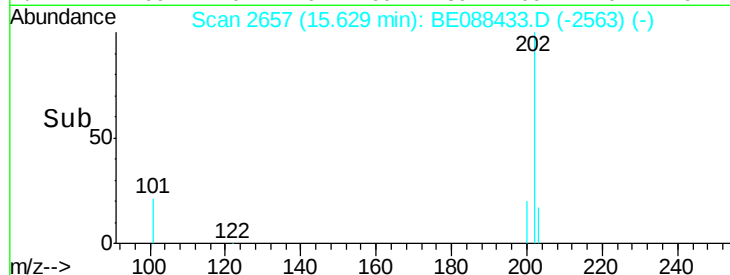
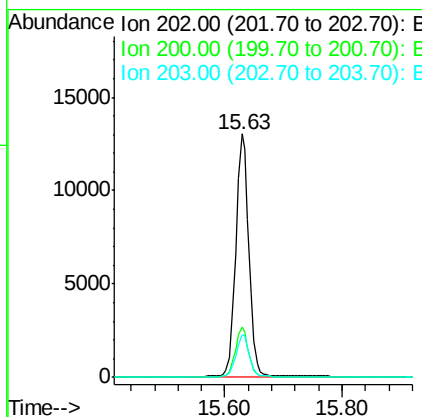
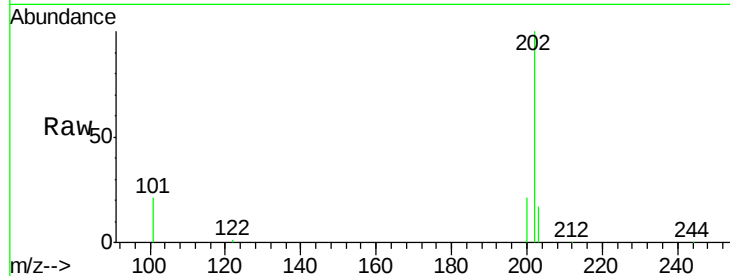
#17
 Pyrene
 Concen: 1.03 ng
 RT: 15.63 min Scan# 2657
 Delta R.T. -0.00 min
 Lab File: BE088433.D
 Acq: 31 Oct 2014 21:29

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	20160		
200	20.1	16.1	24.1	
203	17.3	13.8	20.8	

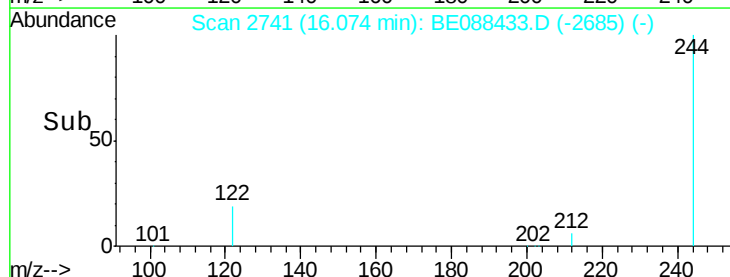
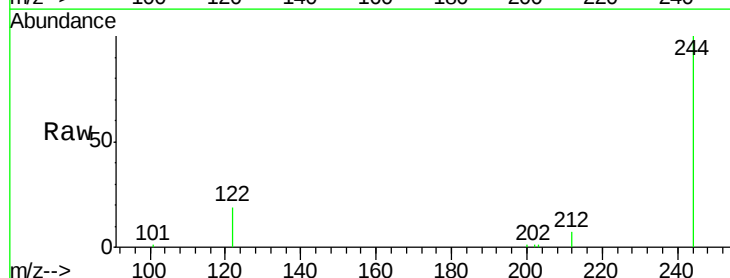
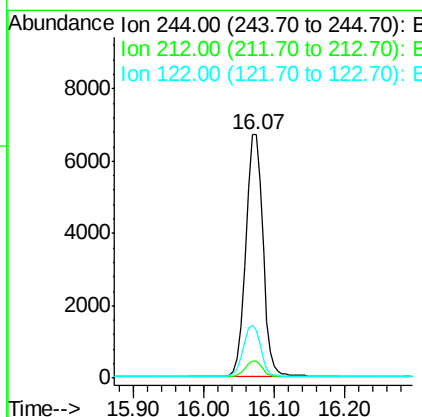
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#18
 Terphenyl-d14
 Concen: 1.03 ng
 RT: 16.07 min Scan# 2741
 Delta R.T. -0.00 min
 Lab File: BE088433.D
 Acq: 31 Oct 2014 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	11300		
212	7.0	5.5	8.3	
122	19.5	15.6	23.4	





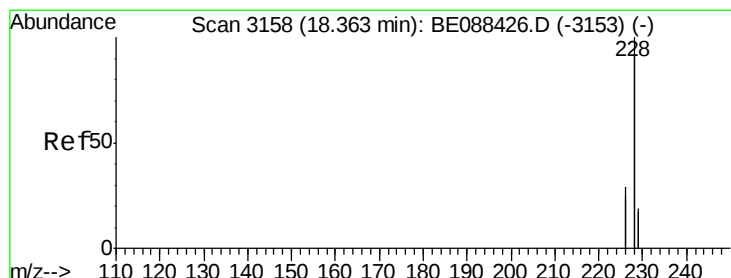
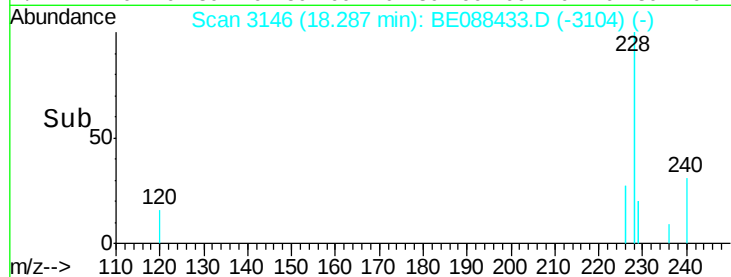
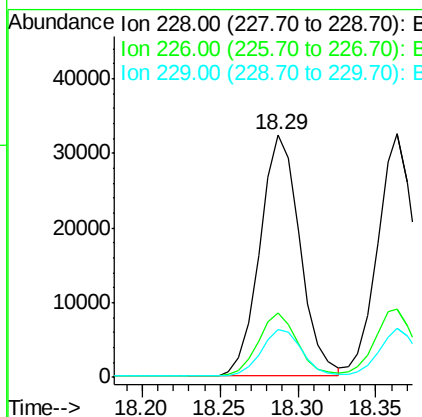
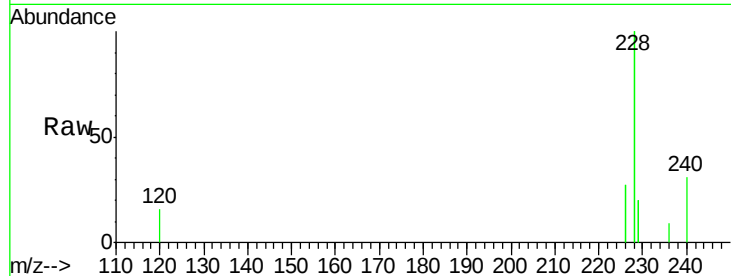
#19
Benzo(a)anthracene
Concen: 1.02 ng
RT: 18.29 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BE088433.D
Acq: 31 Oct 2014 21:29

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	19.8	29.6
229	19.7	16.0	24.0

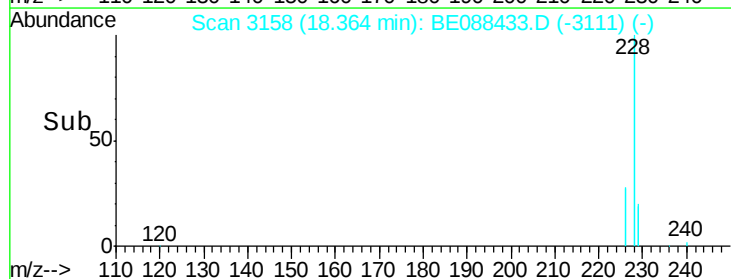
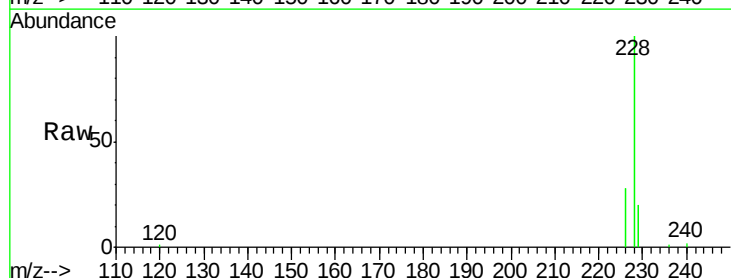
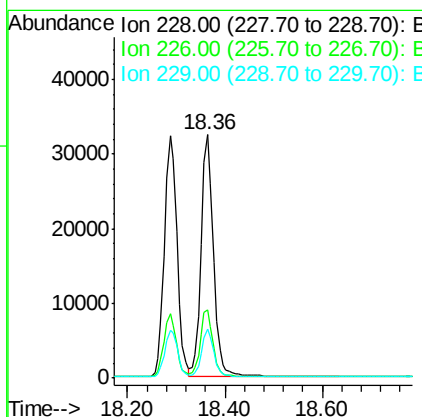
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#20
Chrysene
Concen: 1.04 ng
RT: 18.36 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BE088433.D
Acq: 31 Oct 2014 21:29

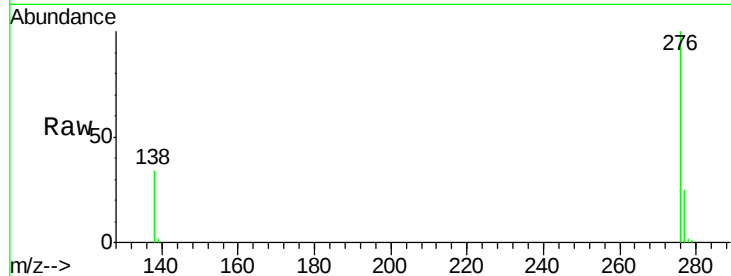
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.6	35.4
229	20.1	15.4	23.2





#21
Indeno(1,2,3-cd)pyrene
Concen: 1.03 ng m
RT: 23.54 min Scan# 4149
Delta R.T. -0.00 min
Lab File: BE088433.D
Acq: 31 Oct 2014 21:29

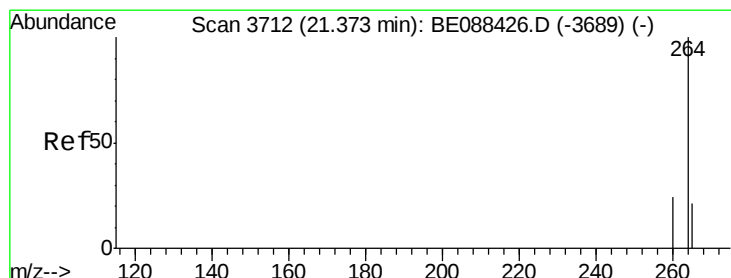
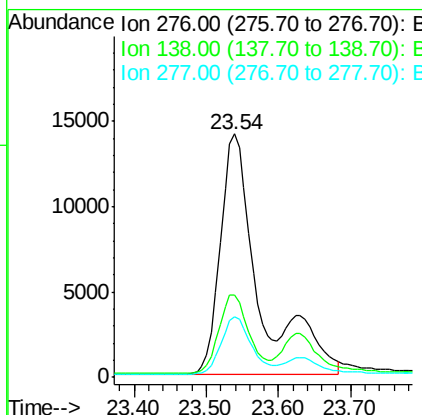
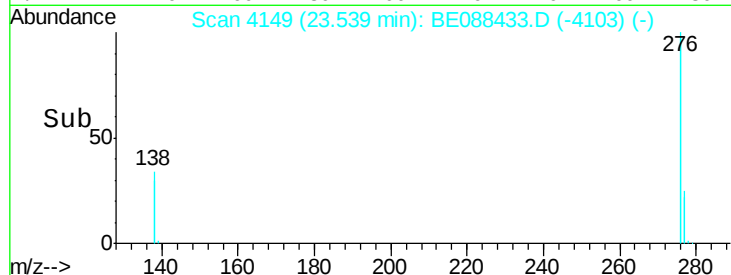
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.2	30.2
277	18.4	14.8	22.2

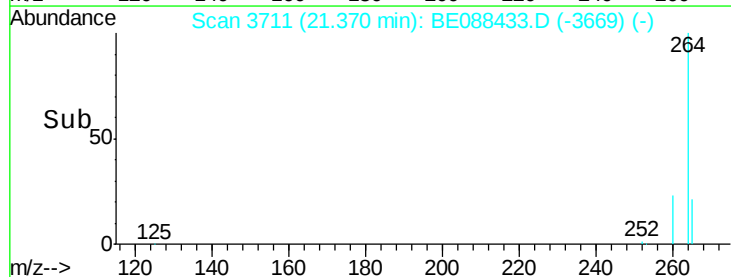
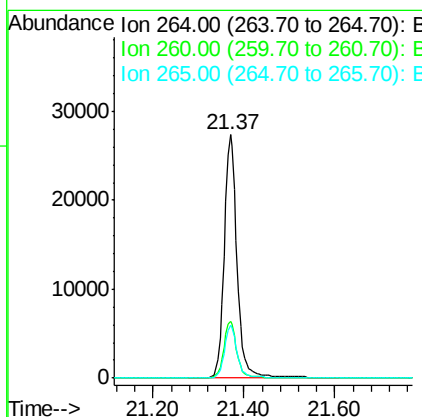
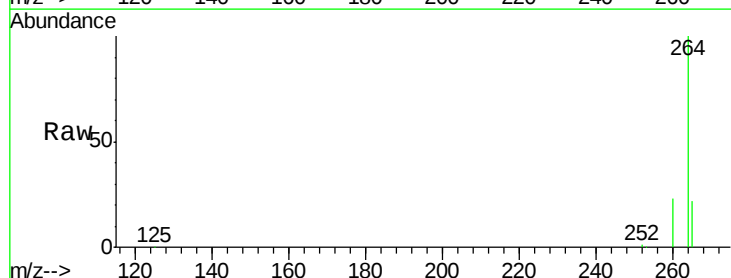
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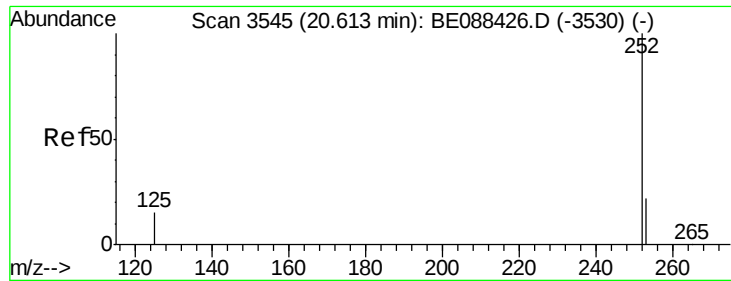
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3711
Delta R.T. -0.00 min
Lab File: BE088433.D
Acq: 31 Oct 2014 21:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.6	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 1.04 ng

RT: 20.61 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BE088433.D

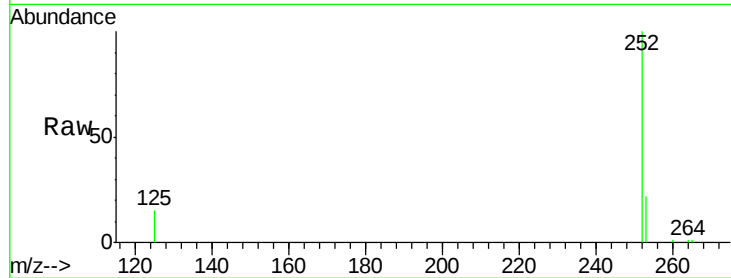
Acq: 31 Oct 2014 21:29

Instrument :

BNA_E

ClientSampleId :

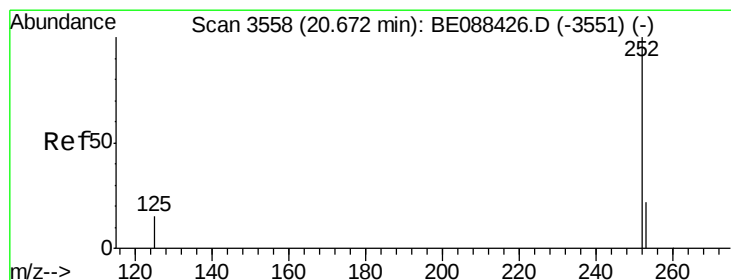
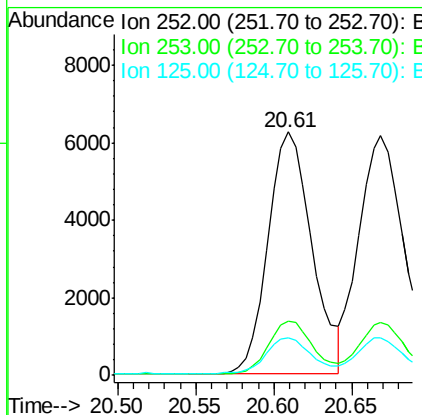
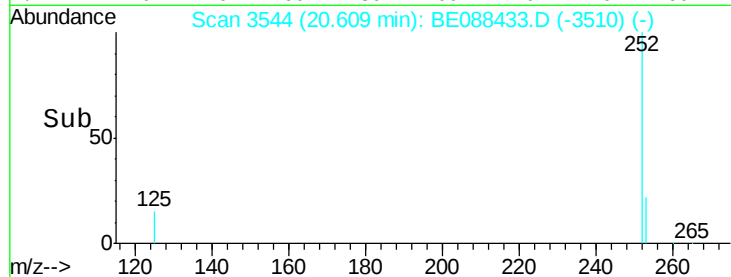
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Tgt Ion:	252	Resp:	12128
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.8
125	15.5	12.3	18.5

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#24

Benzo(k)fluoranthene

Concen: 1.03 ng

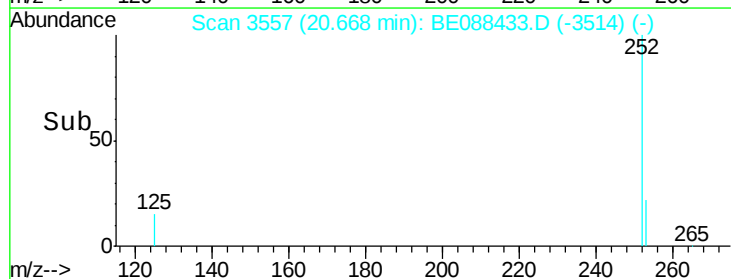
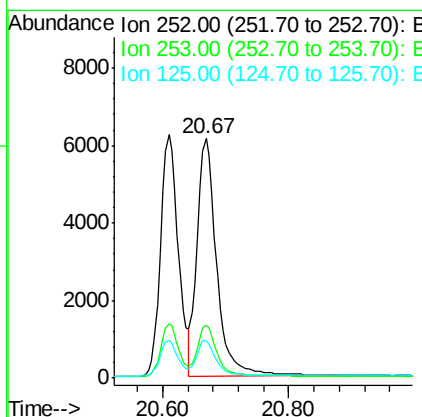
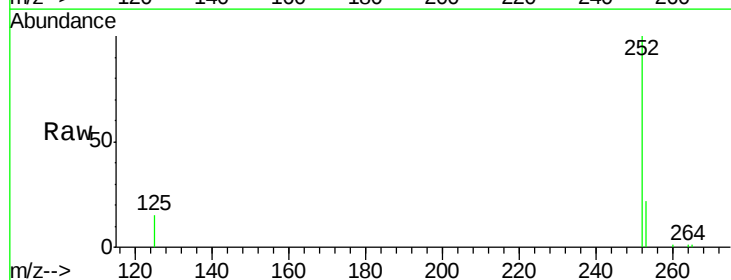
RT: 20.67 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE088433.D

Acq: 31 Oct 2014 21:29

Tgt Ion:	252	Resp:	13279
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.8
125	15.5	12.2	18.4





#25

Benzo(a)pyrene

Concen: 1.03 ng

RT: 21.25 min Scan# 3685

Delta R.T. -0.00 min

Lab File: BE088433.D

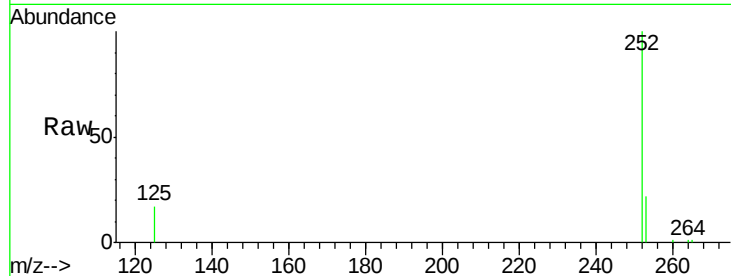
Acq: 31 Oct 2014 21:29

Instrument :

BNA_E

ClientSampleId :

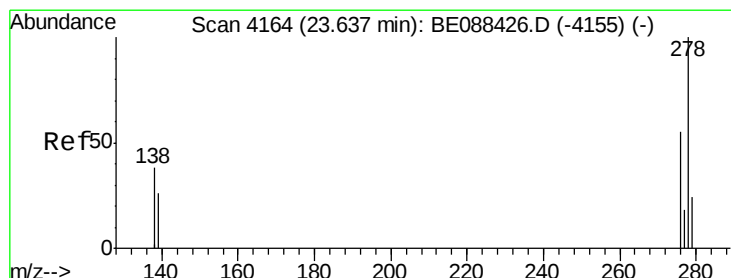
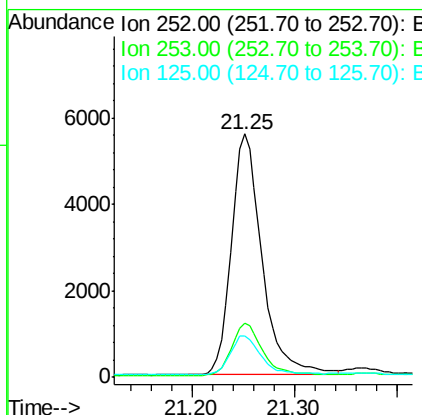
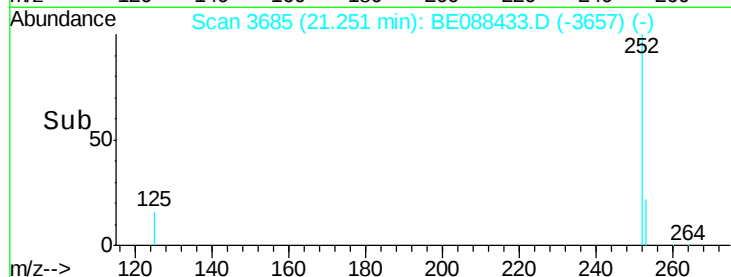
SSTDCCC001



Tgt Ion:	252	Resp:	11593
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.4
125	17.1	13.7	20.5

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#26

Dibenzo(a,h)anthracene

Concen: 1.03 ng

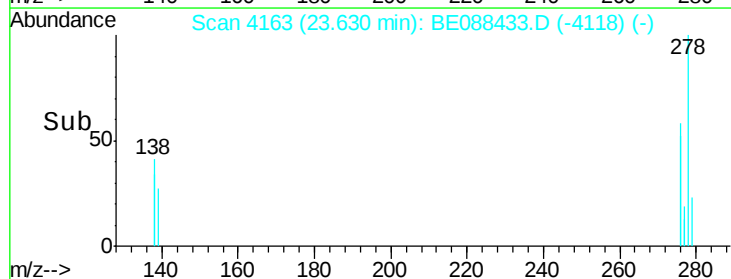
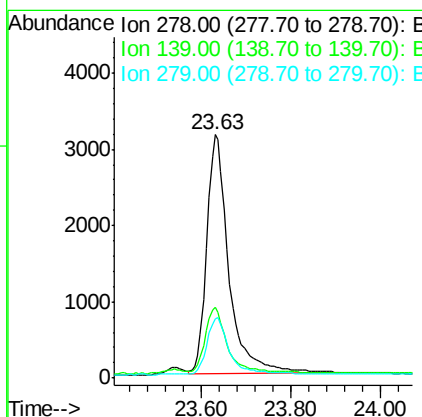
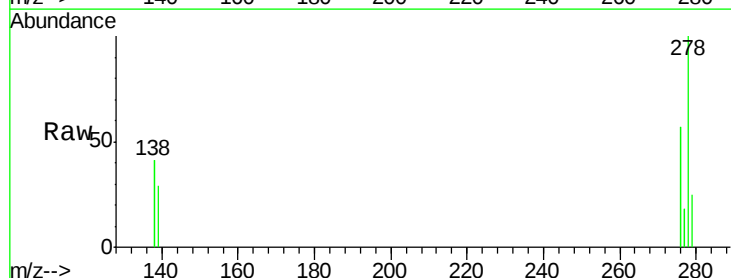
RT: 23.63 min Scan# 4163

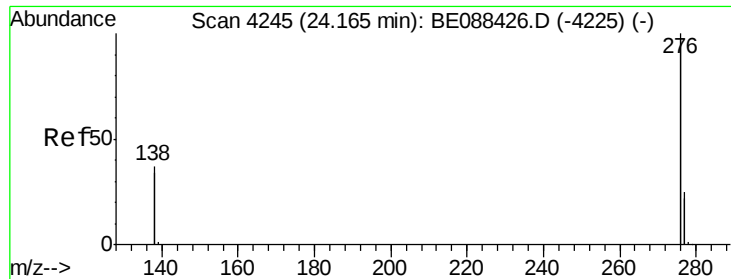
Delta R.T. -0.01 min

Lab File: BE088433.D

Acq: 31 Oct 2014 21:29

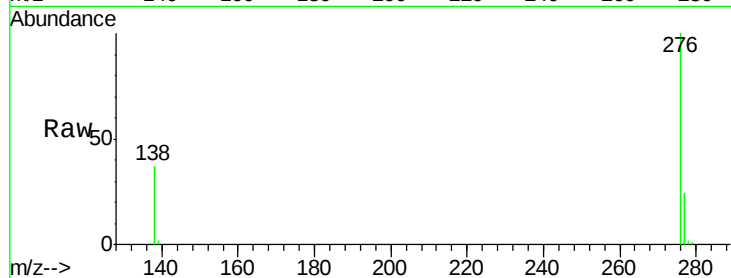
Tgt Ion:	278	Resp:	10740
Ion Ratio	Lower	Upper	
278	100		
139	29.0	22.1	33.1
279	24.5	19.7	29.5





#27
 Benzo(g,h,i)perylene
 Concen: 1.03 ng
 RT: 24.16 min Scan# 4244
 Delta R.T. -0.01 min
 Lab File: BE088433.D
 Acq: 31 Oct 2014 21:29

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001



Tgt Ion:	276	Resp:	49175
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.8	29.6
138	37.3	29.3	43.9

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