

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088213.D
 Acq On : 24 Oct 2014 15:27
 Operator : TP/JJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Manual Integrations
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mohammad
 10/28/2014 12:22:21 PM

Quant Time: Oct 27 12:54:05 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 27 12:38:23 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	61708	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	237895	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	108788	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	193936	5.00	ng	0.00
16) Chrysene-d12	18.35	240	113340	5.00	ng	0.00
22) Perylene-d12	21.40	264	103914	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	87205	5.97	ng	0.00
8) 2-Fluorobiphenyl	10.02	172	148033	4.88	ng	0.00
18) Terphenyl-d14	16.11	244	101790	5.48	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	43720	5.05	ng	99
5) Naphthalene	8.70	128	236781	4.89	ng	98
6) 2-Methylnaphthalene	9.55	142	147810	5.07	ng	96
9) Acenaphthylene	10.65	152	822782	5.06	ng	100
10) Acenaphthene	10.86	154	118558	4.61	ng	98
11) Fluorene	11.52	166	129887	4.95	ng	100
13) Phenanthrene	12.97	178	884043	5.52	ng	98
14) Anthracene	13.06	178	717609	5.20	ng	100
15) Fluoranthene	15.21	202	157051	5.54	ng	100
17) Pyrene	15.67	202	166775	5.36	ng	100
19) Benzo(a)anthracene	18.32	228	491347	5.51	ng	99
20) Chrysene	18.40	228	498522	4.92	ng	99
21) Indeno(1,2,3-cd)pyrene	23.58	276	494767m	5.53	ng	
23) Benzo(b)fluoranthene	20.64	252	107283	6.32	ng	99
24) Benzo(k)fluoranthene	20.70	252	136662	5.09	ng	99
25) Benzo(a)pyrene	21.28	252	107076	6.38	ng	98
26) Dibenzo(a,h)anthracene	23.68	278	99738	6.28	ng	97
27) Benzo(g,h,i)perylene	24.21	276	469526	5.63	ng	98

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

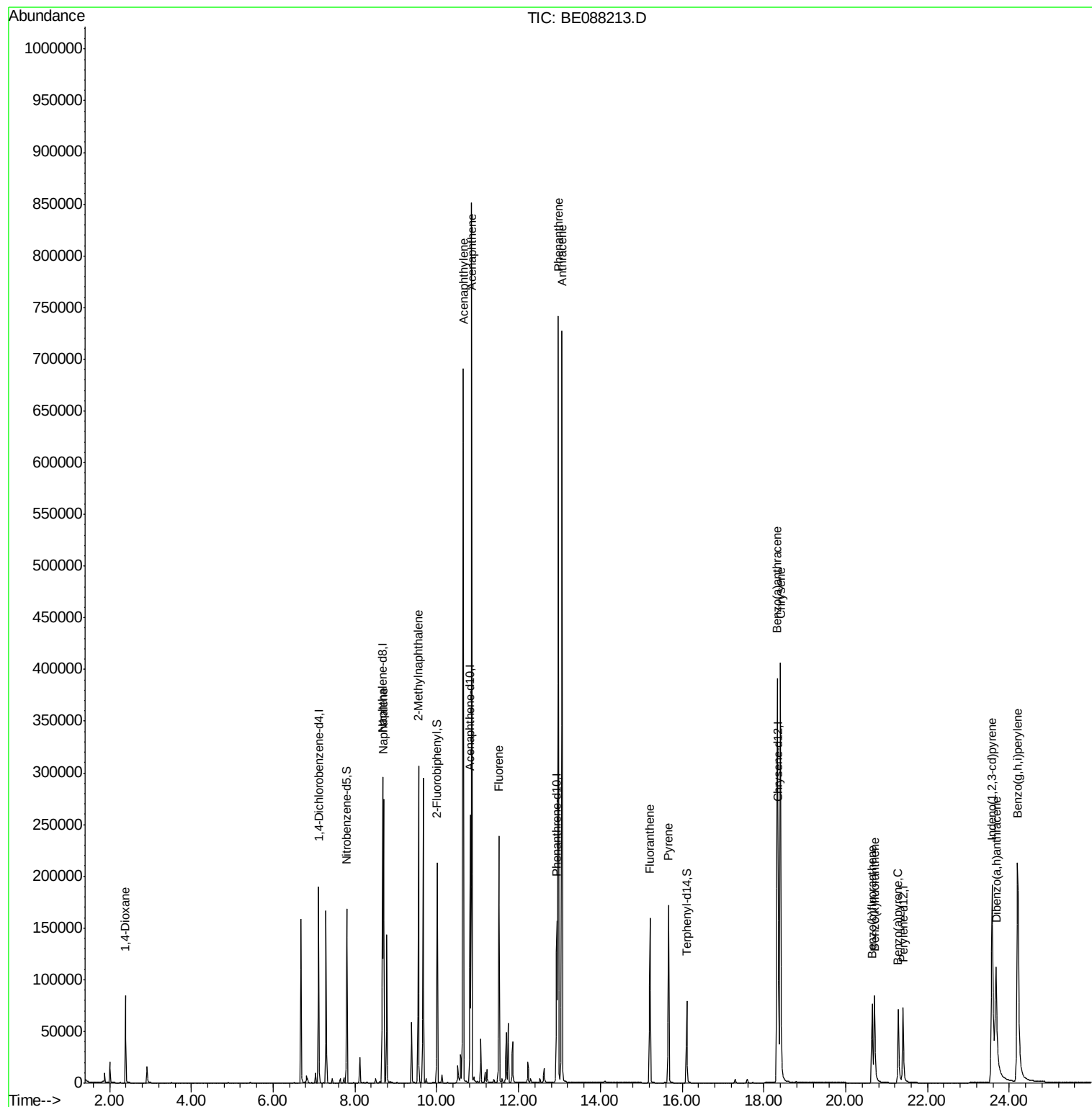
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088213.D
Acq On : 24 Oct 2014 15:27
Operator : TP/JJ
Sample : SSTDICC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

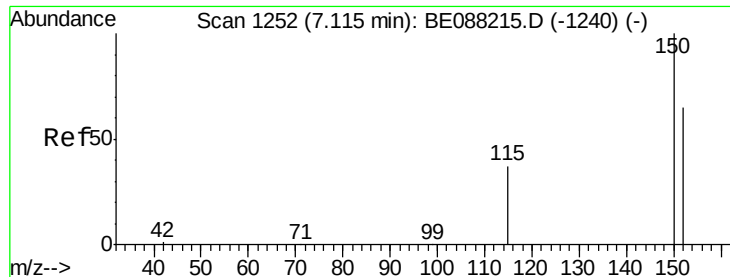
Instrument :
BNA_E
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SSTDICC005

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QLast Update : Mon Oct 27 12:38:23 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088213.D

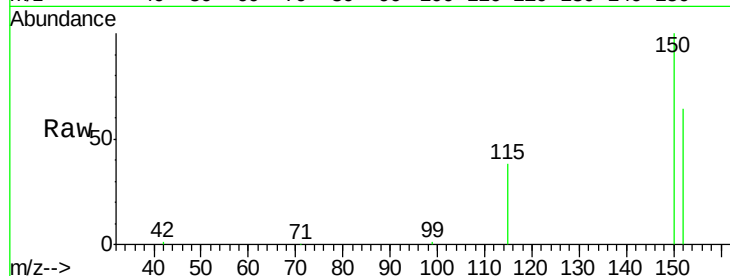
Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDICC005



Tgt Ion:152 Resp: 61708

Ion Ratio Lower Upper

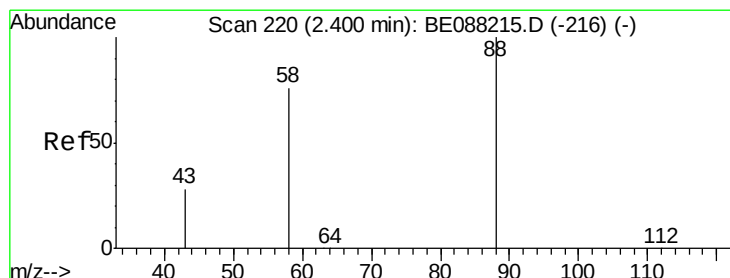
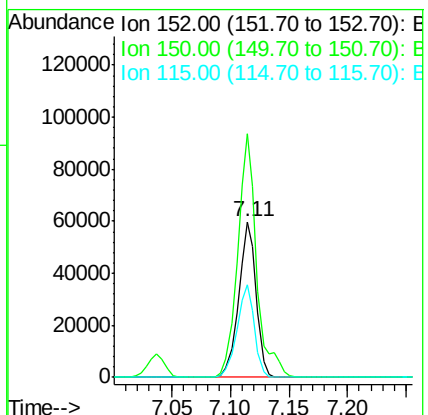
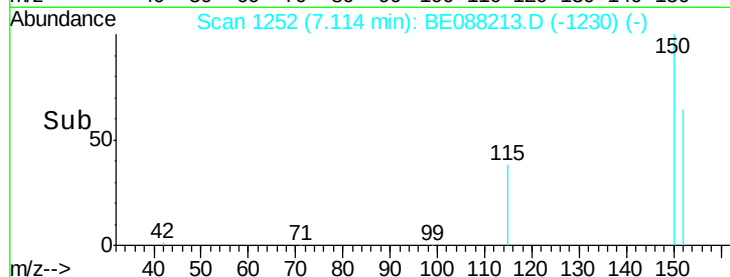
152 100

150 156.2 123.2 184.8

115 59.1 45.3 67.9

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#2

1,4-Dioxane

Concen: 5.05 ng

RT: 2.39 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

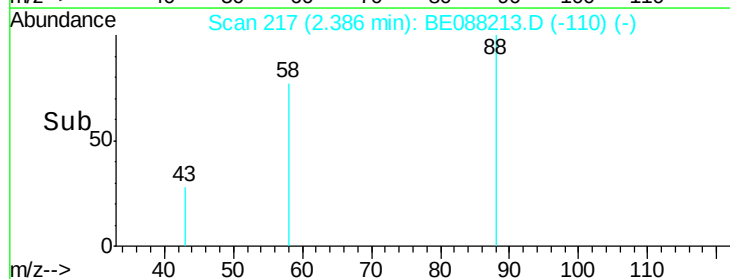
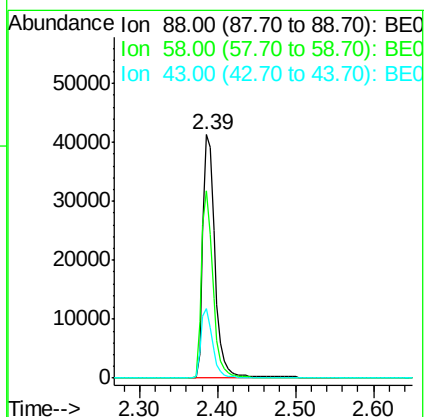
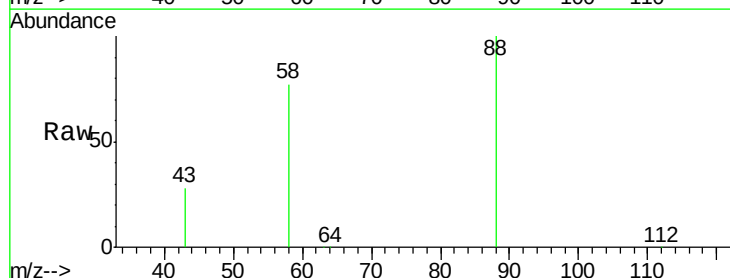
Tgt Ion: 88 Resp: 43720

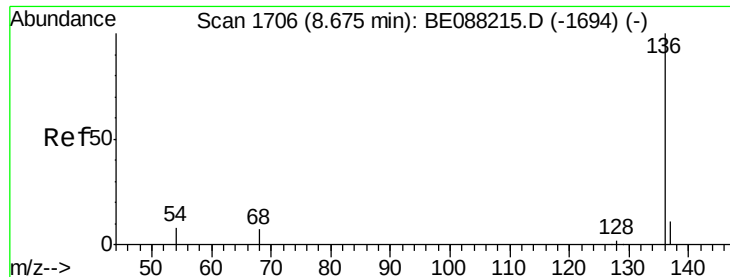
Ion Ratio Lower Upper

88 100

58 74.8 59.0 88.4

43 27.9 21.9 32.9





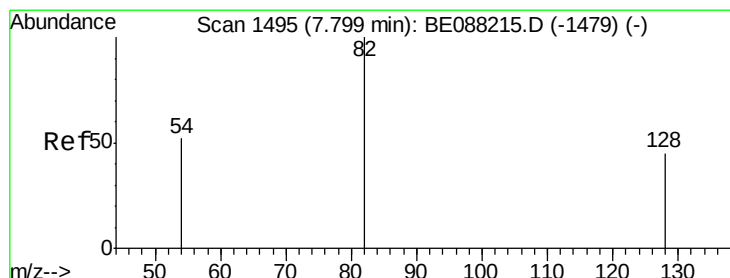
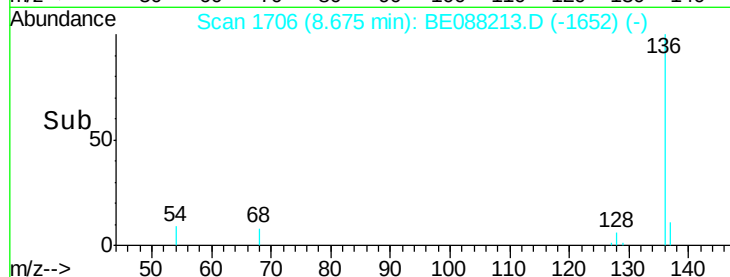
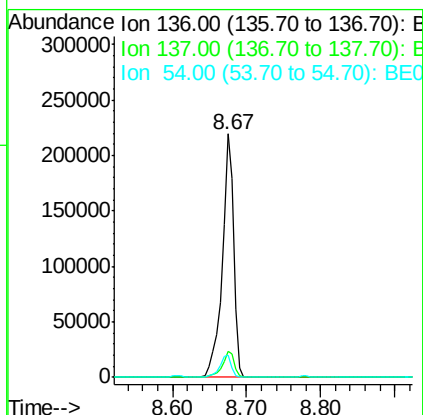
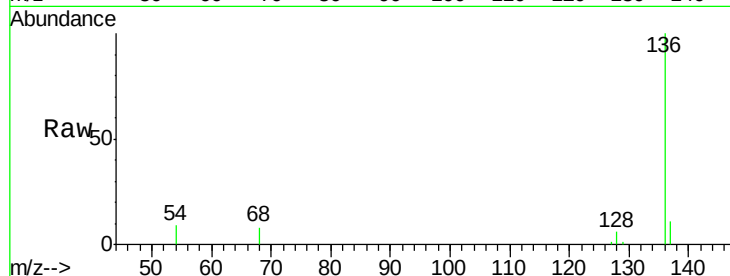
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.67 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	237895		
137	10.8	8.7	13.1	
54	8.9	6.1	9.1	

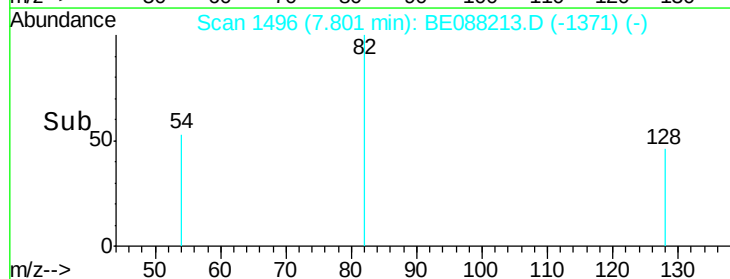
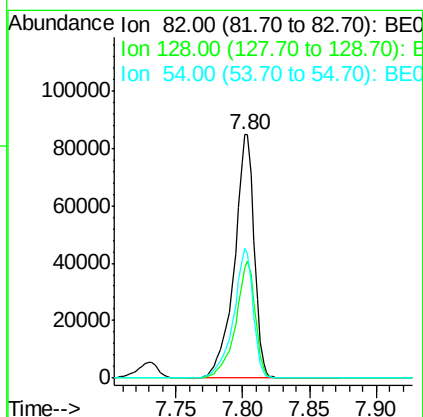
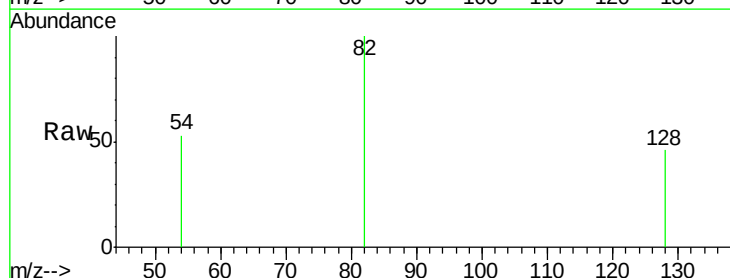
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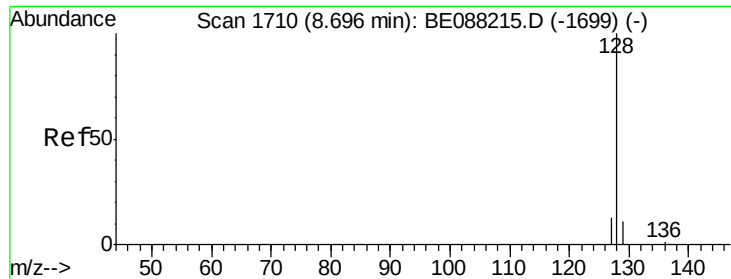
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#4
Nitrobenzene-d5
Concen: 5.97 ng
RT: 7.80 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	87205		
128	45.5	36.2	54.2	
54	53.3	41.8	62.8	





#5

Naphthalene

Concen: 4.89 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.01 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

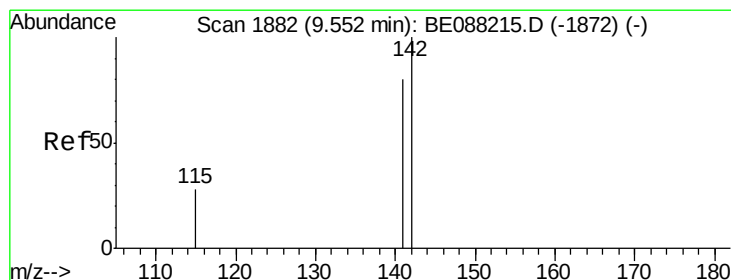
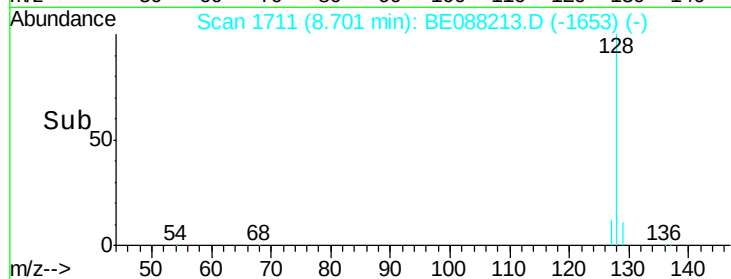
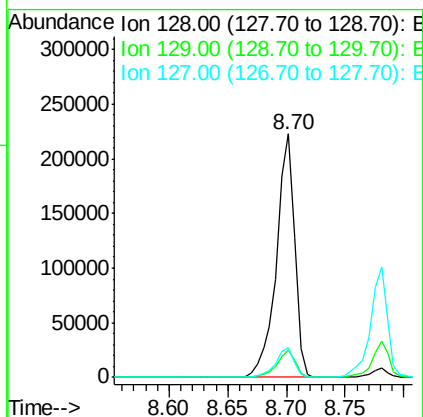
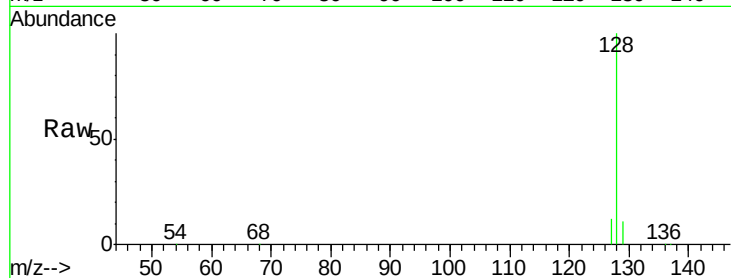
ClientSampleId :

SSTDICC005

Tgt Ion:	128	Resp:	236781
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.6	12.8
127	12.0	10.4	15.6

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#6

2-Methylnaphthalene

Concen: 5.07 ng

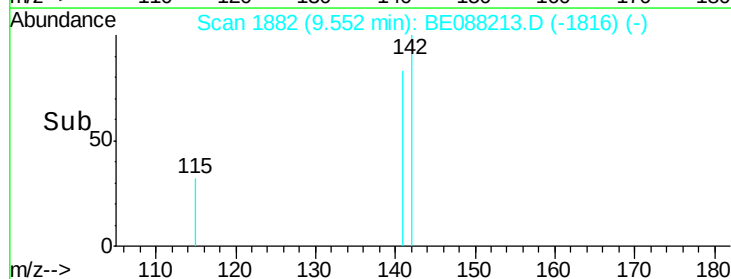
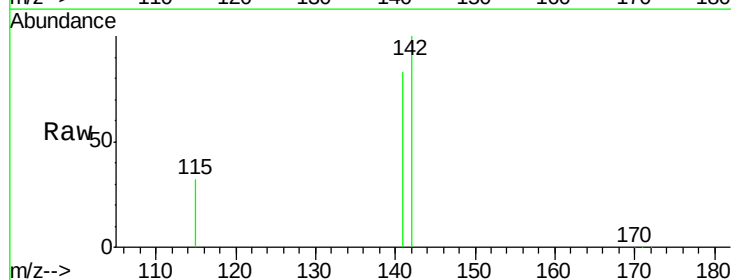
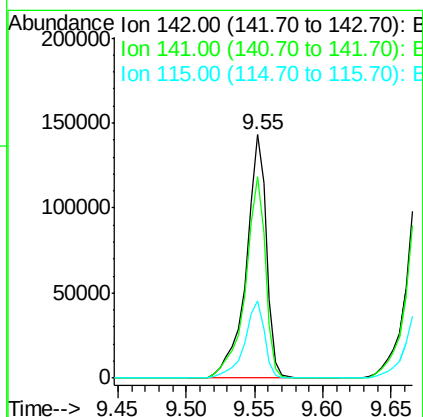
RT: 9.55 min Scan# 1882

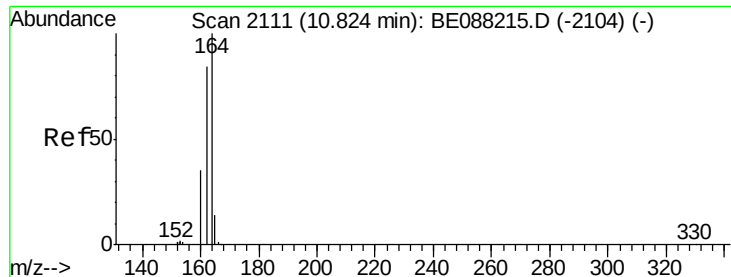
Delta R.T. -0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Tgt Ion:	142	Resp:	147810
Ion Ratio	Lower	Upper	
142	100		
141	82.7	63.7	95.5
115	31.7	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.82 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE088213.D

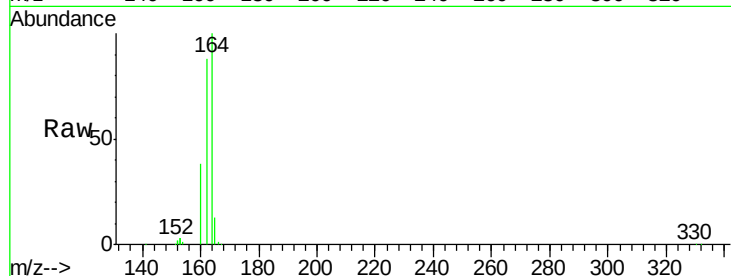
Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

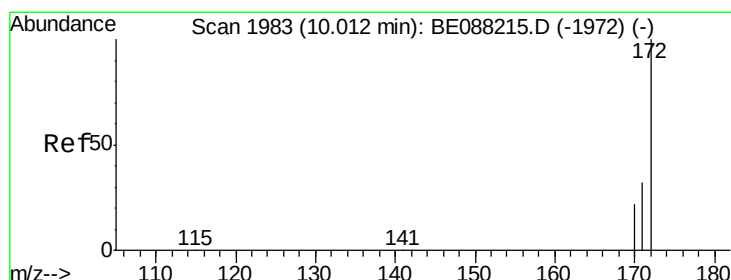
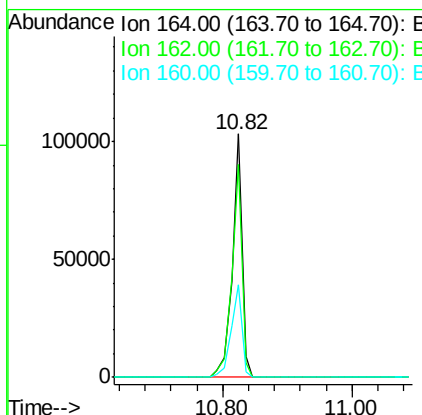
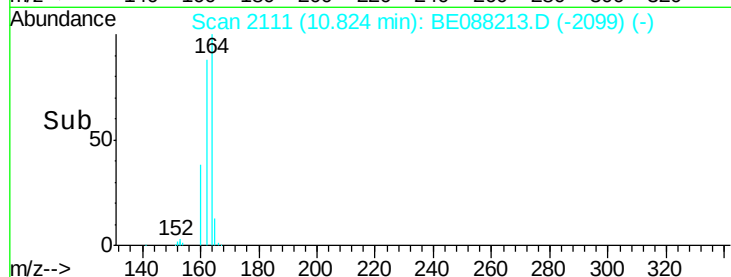
SSTDICC005



Tgt Ion	Ratio	Lower	Upper
164	100		
162	87.7	67.4	101.0
160	38.1	27.7	41.5

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#8

2-Fluorobiphenyl

Concen: 4.88 ng

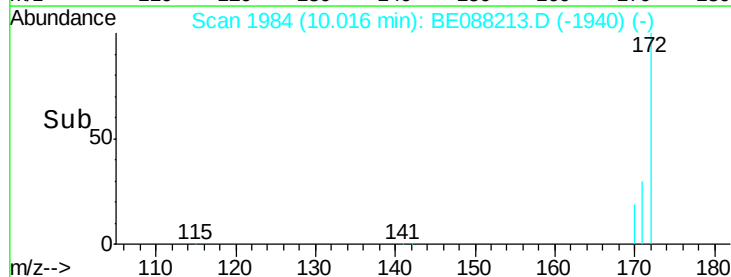
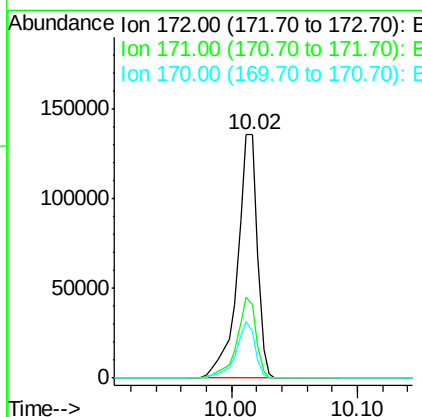
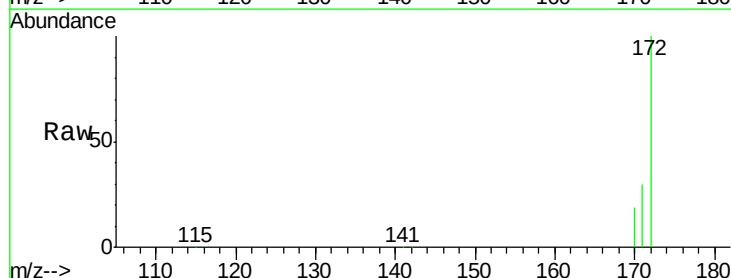
RT: 10.02 min Scan# 1984

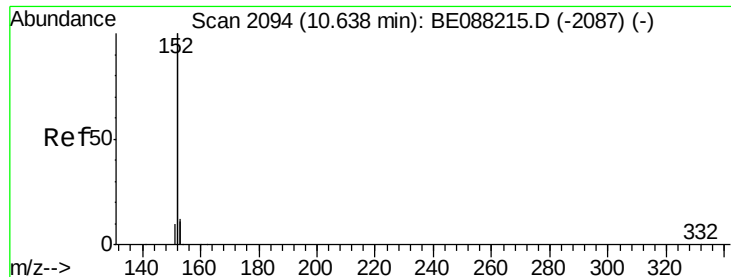
Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	30.1	25.8	38.6
170	19.3	17.4	26.0





#9

Acenaphthylene

Concen: 5.06 ng

RT: 10.65 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BE088213.D

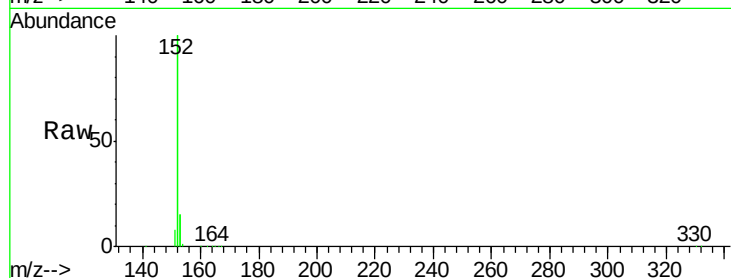
Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

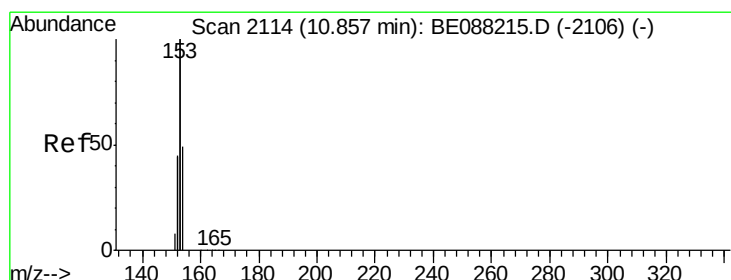
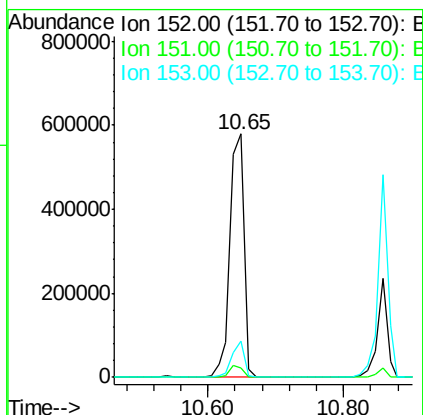
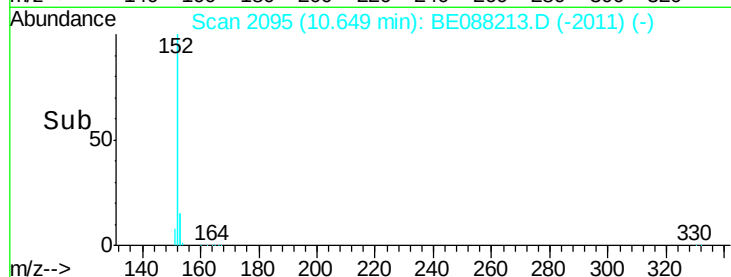
SSTDICC005



Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.1	10.3	15.5

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#10

Acenaphthene

Concen: 4.61 ng

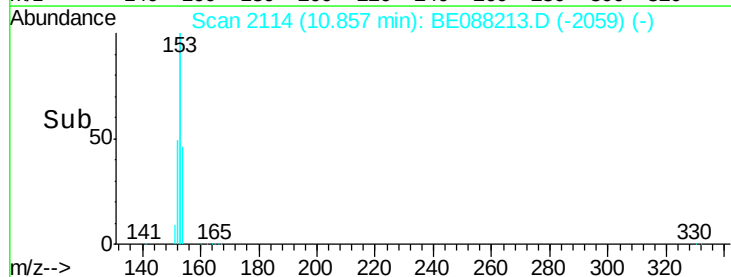
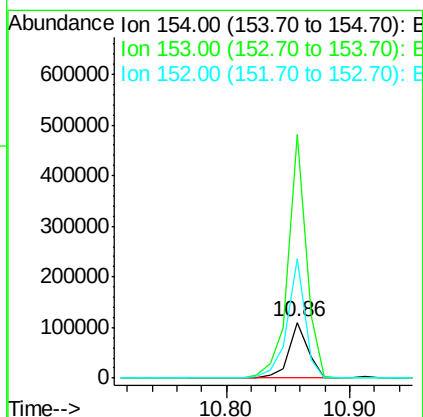
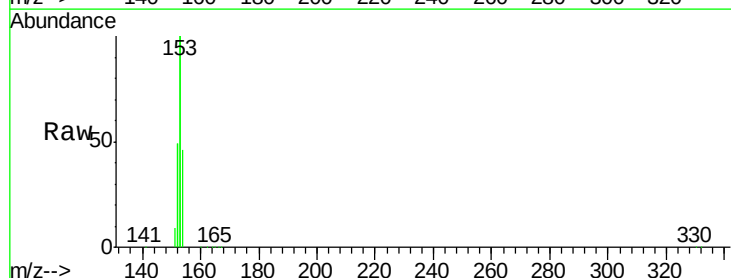
RT: 10.86 min Scan# 2114

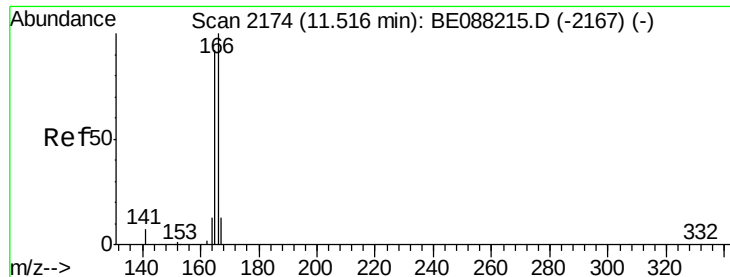
Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	412.1	326.0	489.0
152	198.2	155.6	233.4





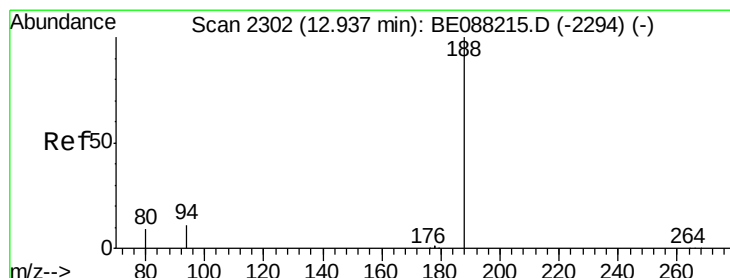
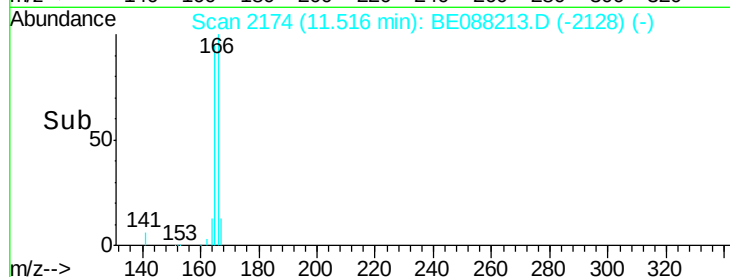
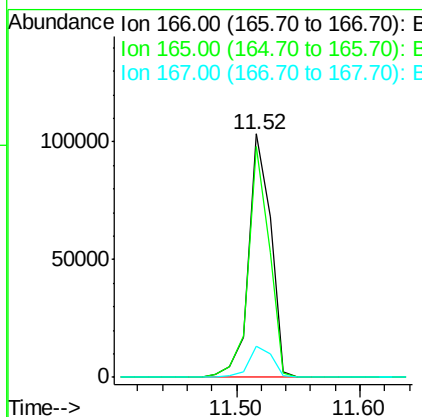
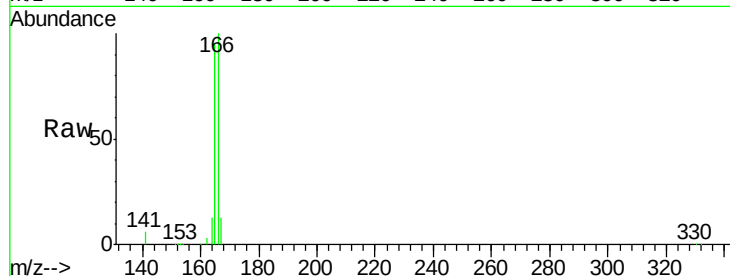
#11
 Fluorene
 Concen: 4.95 ng
 RT: 11.52 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: BE088213.D
 Acq: 24 Oct 2014 15:27

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.5	71.8	107.6
167	13.6	10.7	16.1

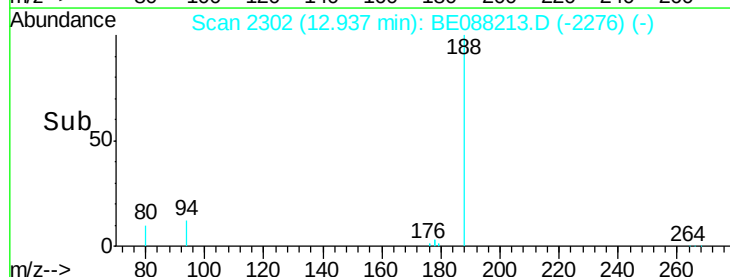
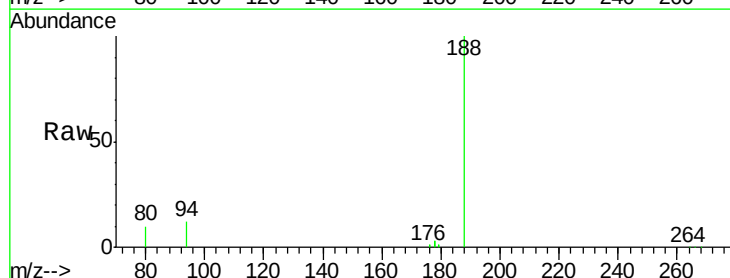
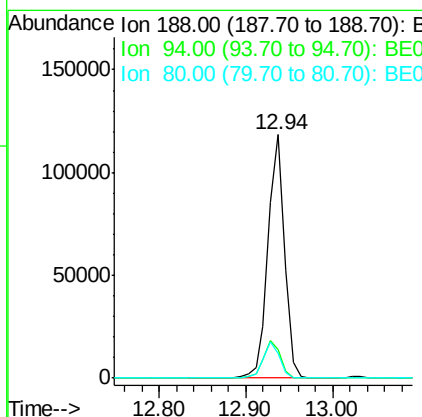
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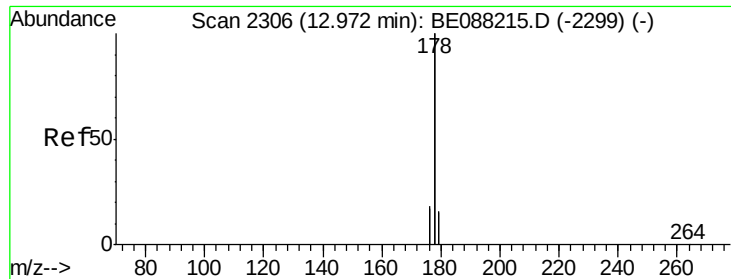
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#12
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.94 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: BE088213.D
 Acq: 24 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	10.4	7.4	11.0





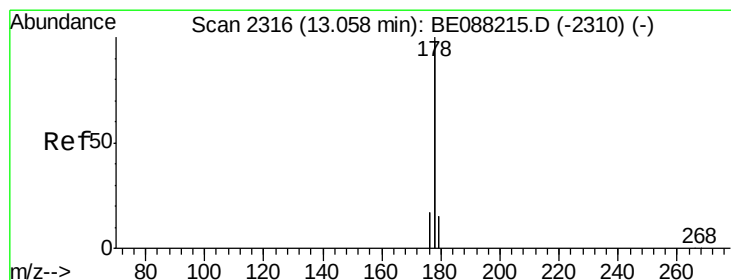
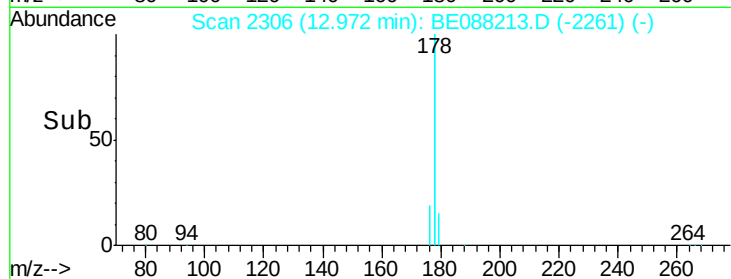
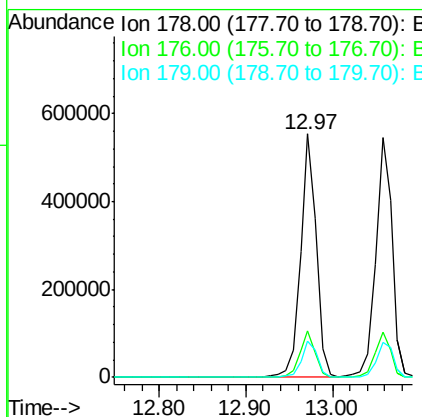
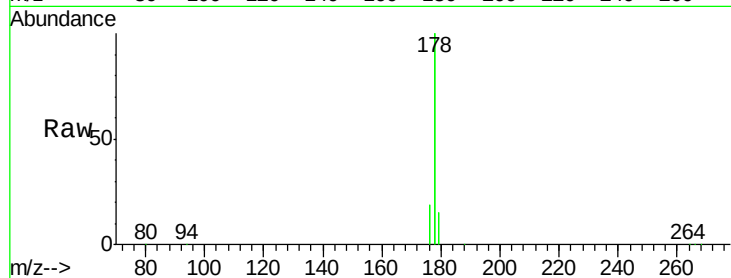
#13
Phenanthrene
Concen: 5.52 ng
RT: 12.97 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.0	21.0
179	15.4	11.8	17.6

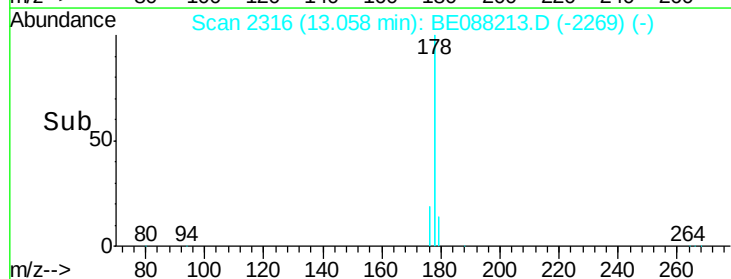
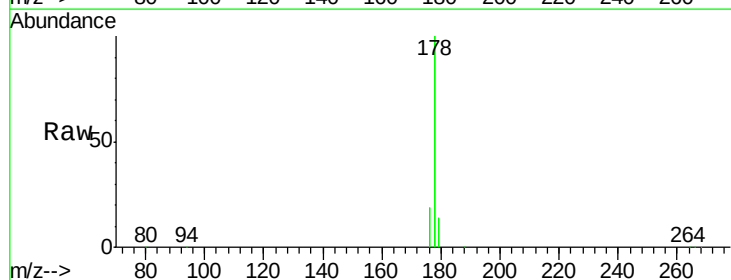
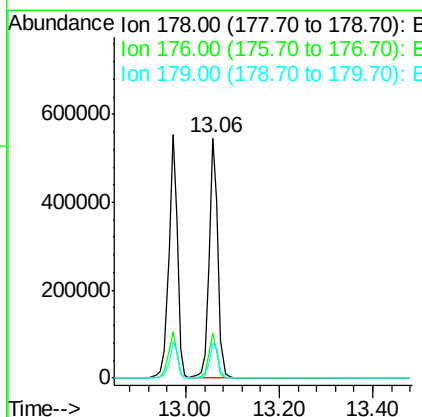
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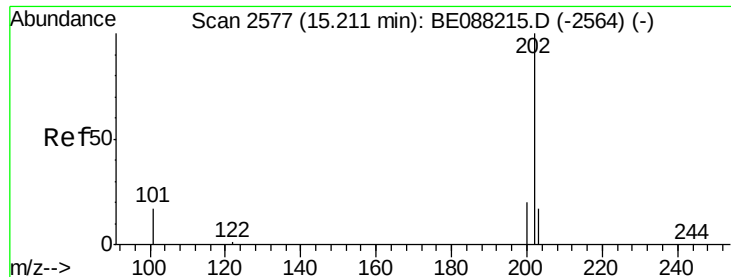
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#14
Anthracene
Concen: 5.20 ng
RT: 13.06 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.4	12.3	18.5





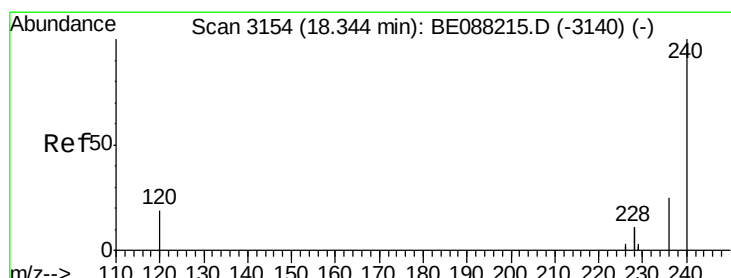
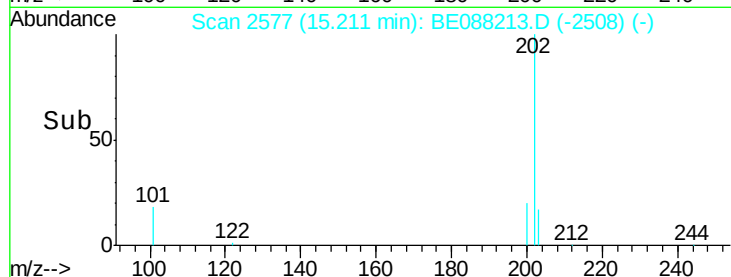
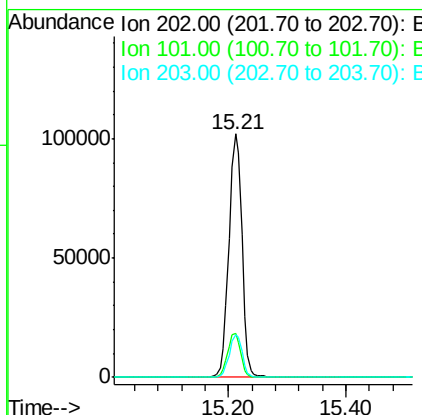
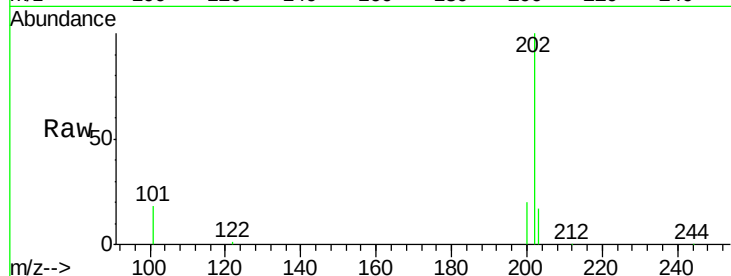
#15
 Fluoranthene
 Concen: 5.54 ng
 RT: 15.21 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: BE088213.D
 Acq: 24 Oct 2014 15:27

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	18.0	14.4	21.6
203	17.2	13.4	20.2

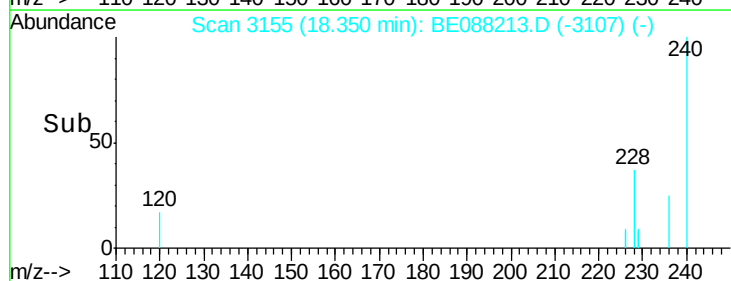
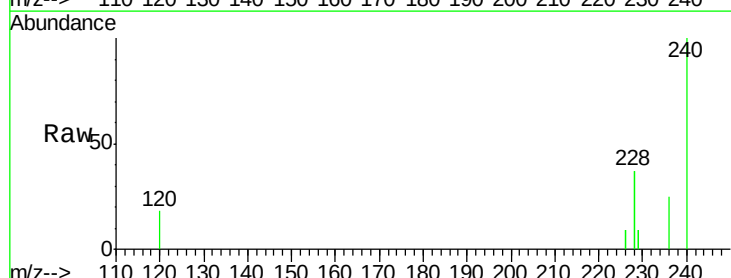
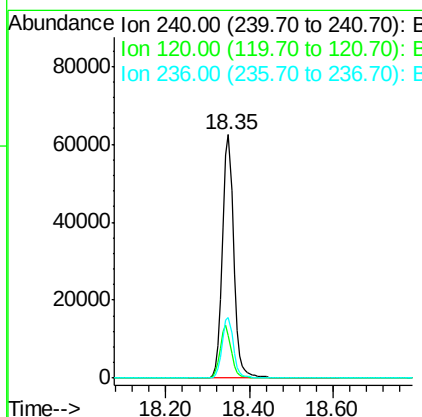
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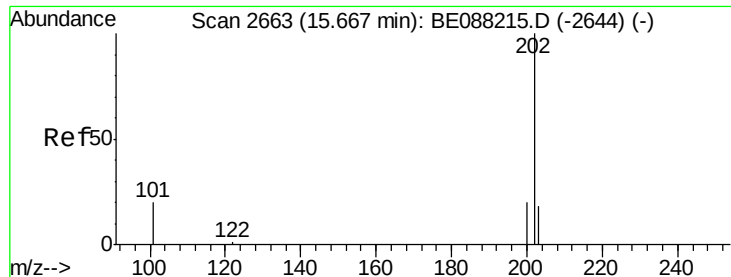
mohammad
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.35 min Scan# 3155
 Delta R.T. 0.01 min
 Lab File: BE088213.D
 Acq: 24 Oct 2014 15:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	17.6	15.1	22.7
236	25.0	20.1	30.1





#17

Pyrene

Concen: 5.36 ng

RT: 15.67 min Scan# 2663

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

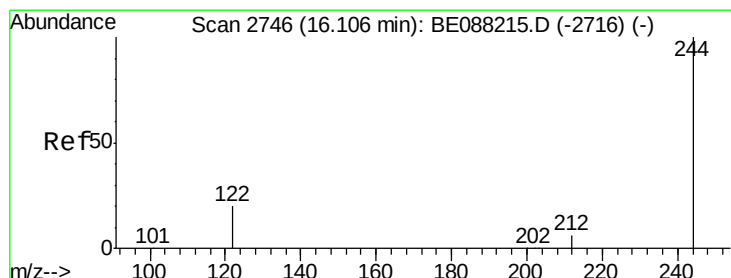
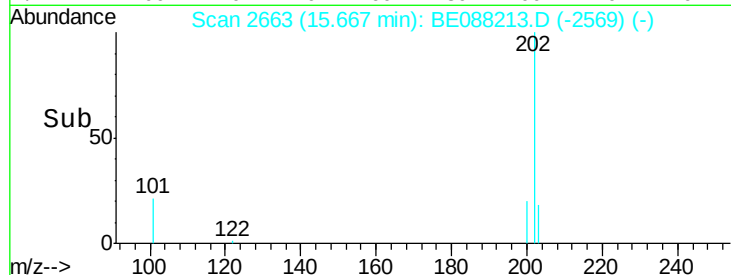
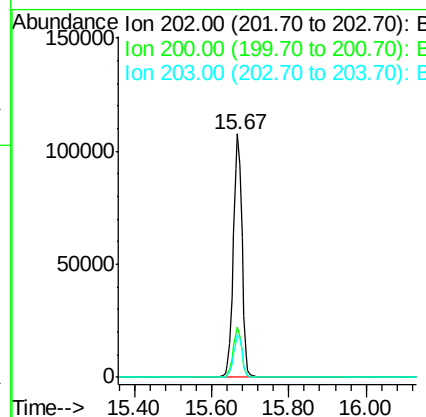
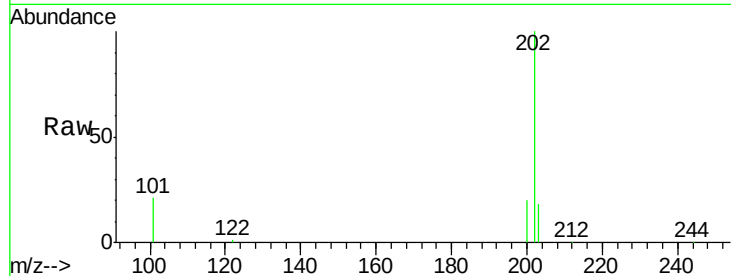
ClientSampleId :

SSTDICC005

Tgt Ion:	202	Resp:	166775
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.2	24.2
203	17.4	13.8	20.8

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#18

Terphenyl-d14

Concen: 5.48 ng

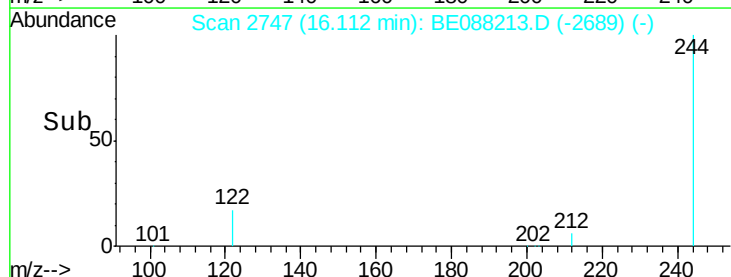
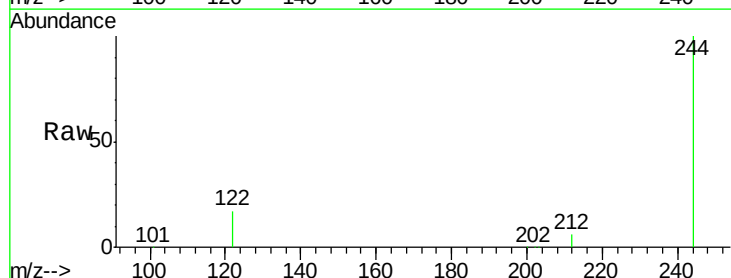
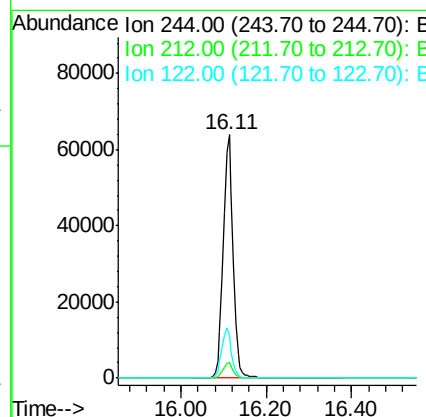
RT: 16.11 min Scan# 2747

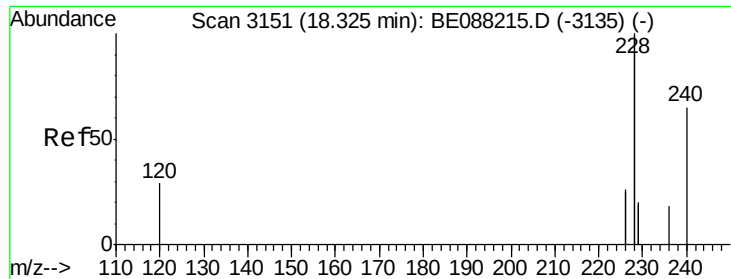
Delta R.T. 0.01 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Tgt Ion:	244	Resp:	101790
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.2
122	17.5	16.7	25.1





#19

Benzo(a)anthracene

Concen: 5.51 ng

RT: 18.32 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BE088213.D

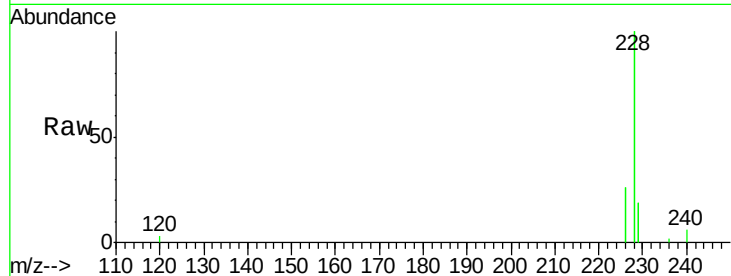
Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

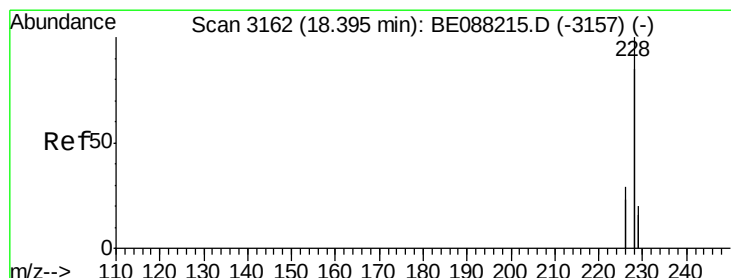
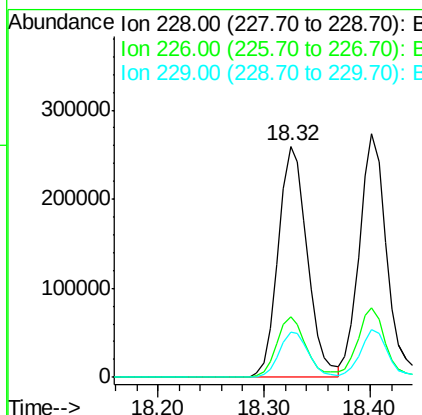
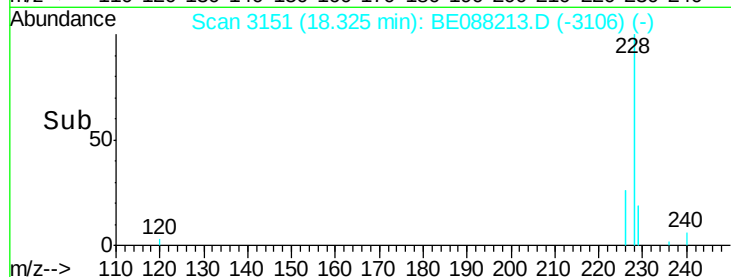
SSTDICC005



Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	20.5	30.7
229	19.4	16.1	24.1

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#20

Chrysene

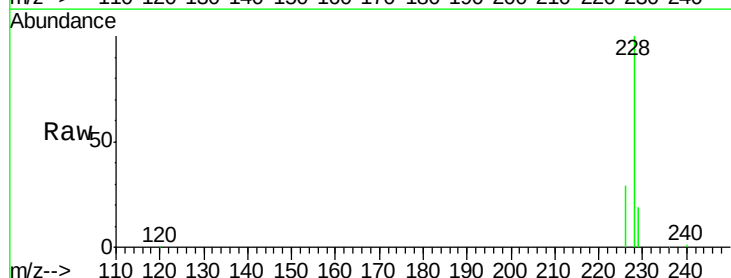
Concen: 4.92 ng

RT: 18.40 min Scan# 3163

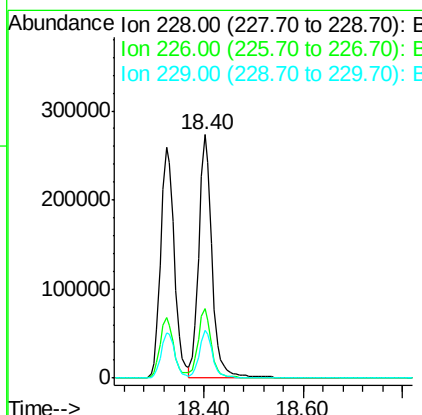
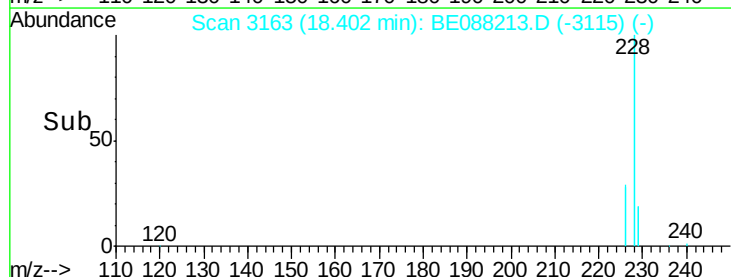
Delta R.T. 0.01 min

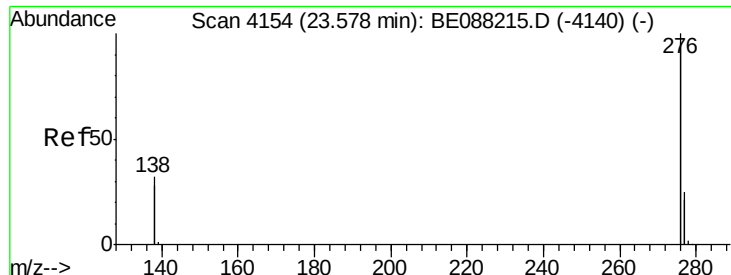
Lab File: BE088213.D

Acq: 24 Oct 2014 15:27



Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.3	34.9
229	19.5	15.6	23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 5.53 ng m

RT: 23.58 min Scan# 4154

Delta R.T. -0.00 min

Lab File: BE088213.D

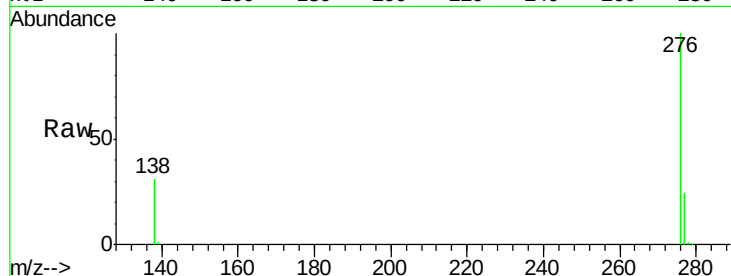
Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005



Tgt Ion: 276 Resp: 494767

Ion Ratio Lower Upper

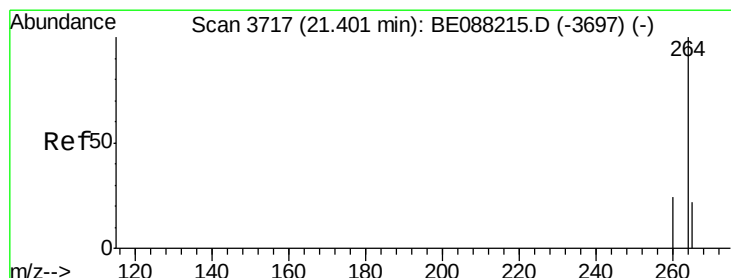
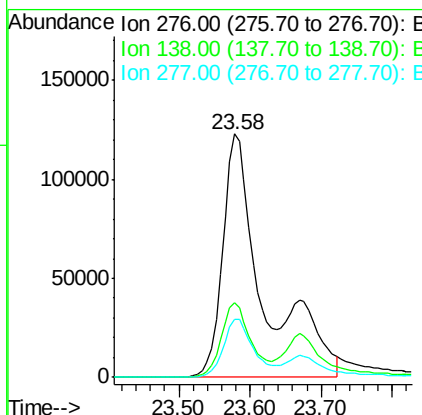
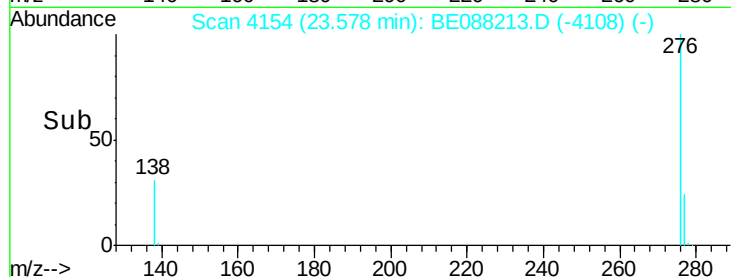
276 100

138 21.9 13.9 20.9#

277 17.4 10.7 16.1#

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#22

Perylene-d12

Concen: 5.00 ng

RT: 21.40 min Scan# 3717

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

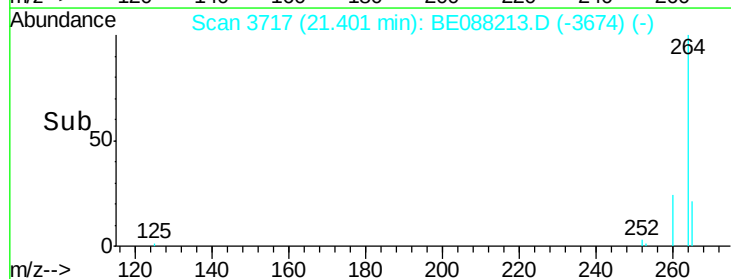
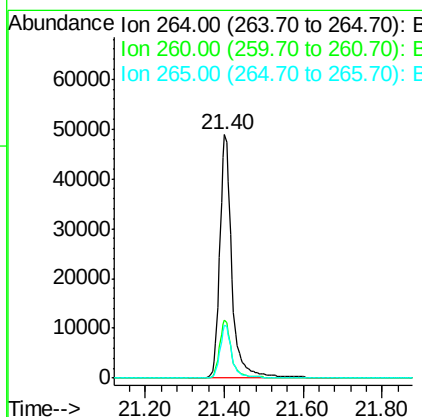
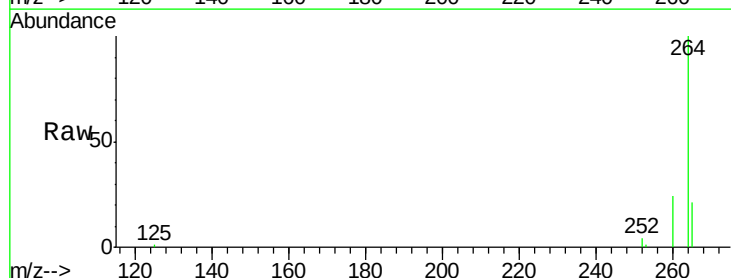
Tgt Ion: 264 Resp: 103914

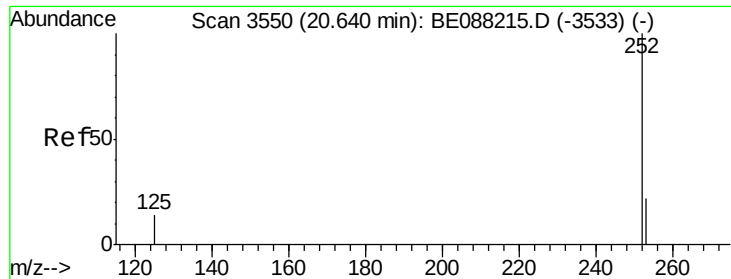
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 21.5 17.4 26.2





#23

Benzo(b)fluoranthene

Concen: 6.32 ng

RT: 20.64 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE088213.D

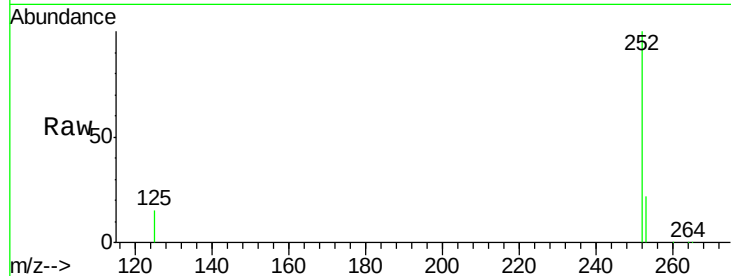
Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

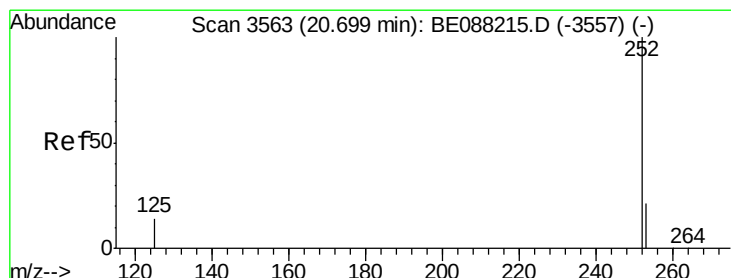
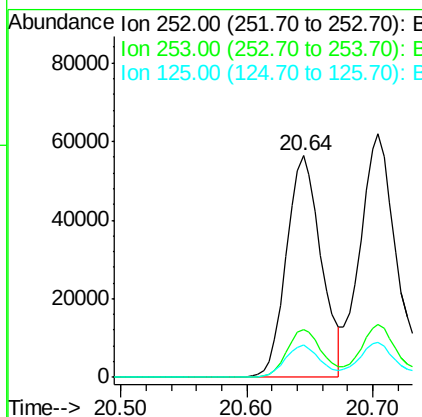
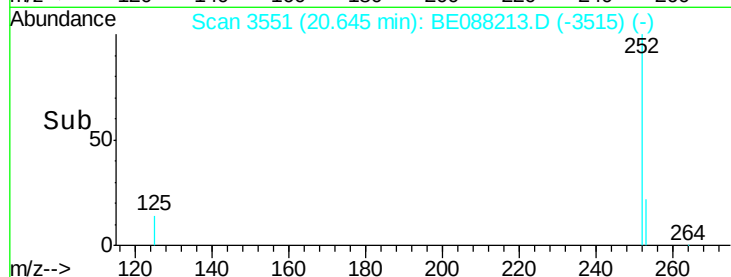
SSTDIC005



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	14.5	12.2	18.2

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#24

Benzo(k)fluoranthene

Concen: 5.09 ng

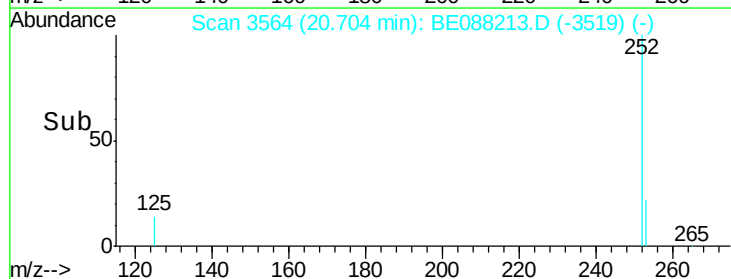
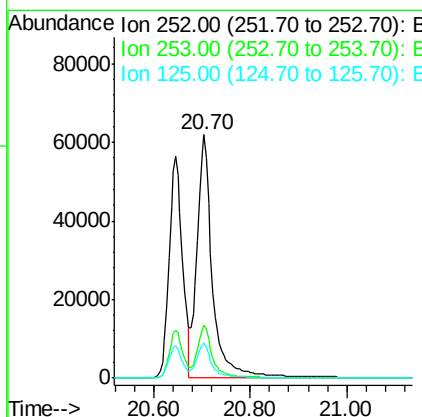
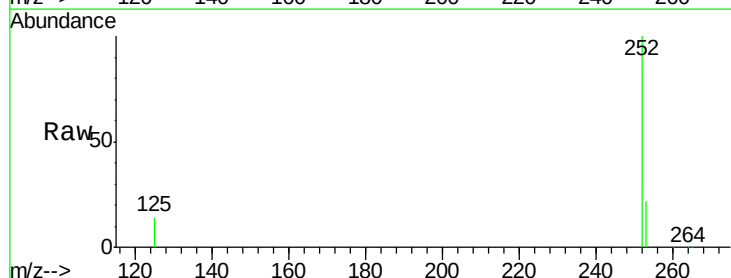
RT: 20.70 min Scan# 3564

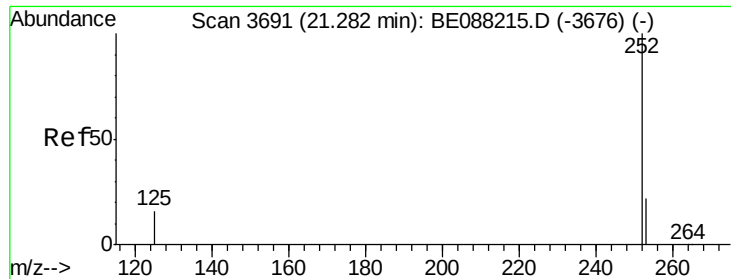
Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	14.2	12.1	18.1





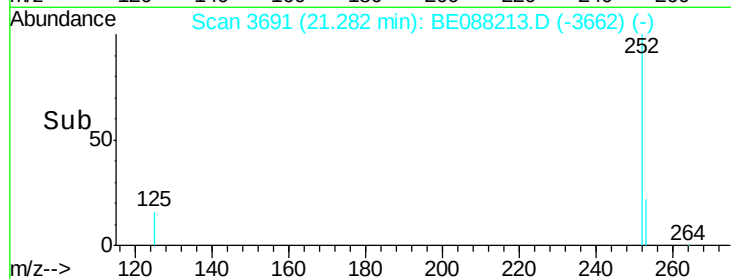
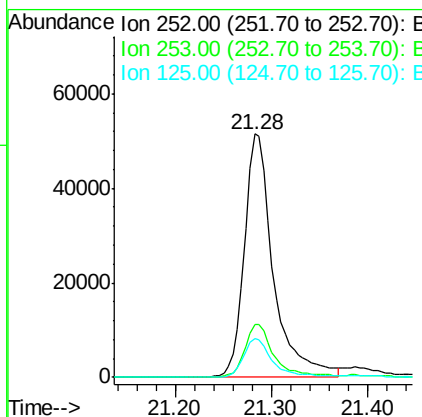
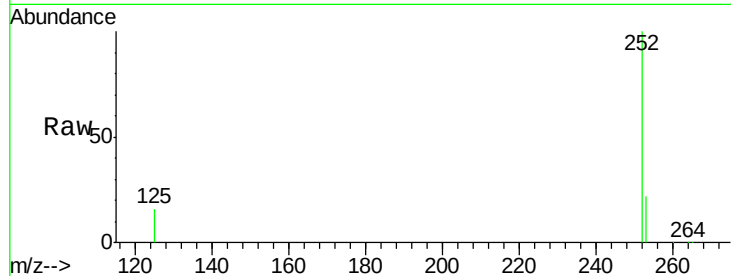
#25
Benzo(a)pyrene
Concen: 6.38 ng
RT: 21.28 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	107076		
253	21.6	17.8	26.8	
125	16.1	13.5	20.3	

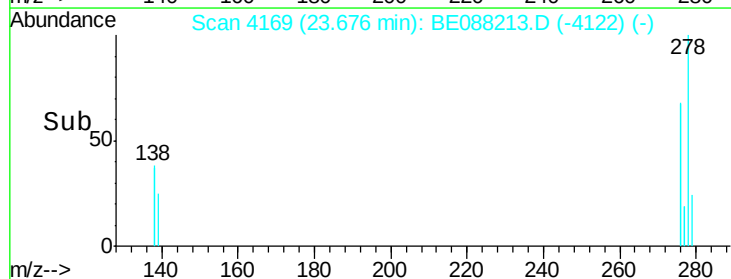
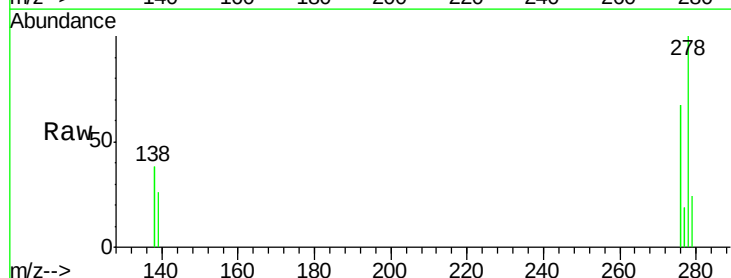
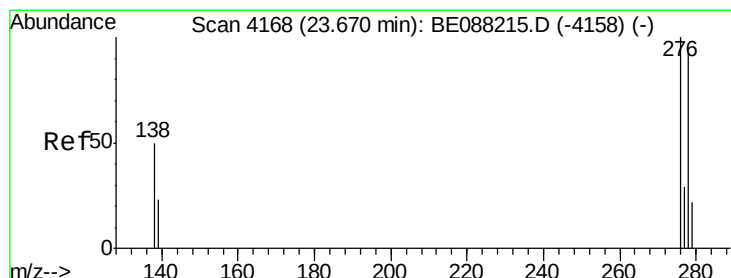
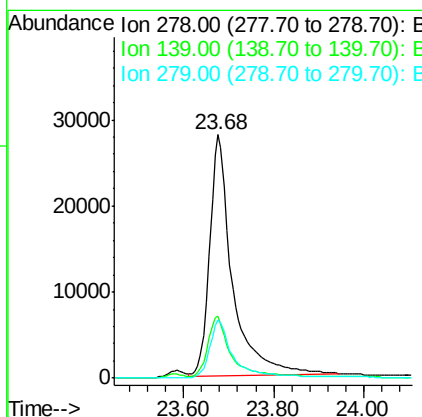
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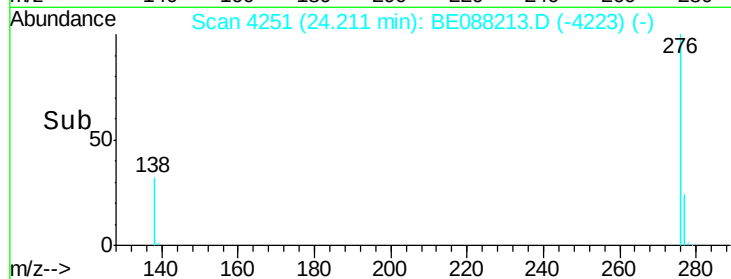
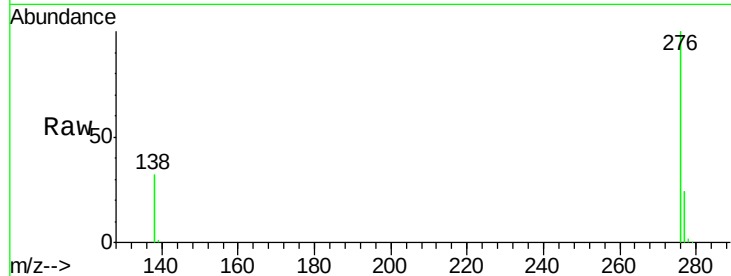
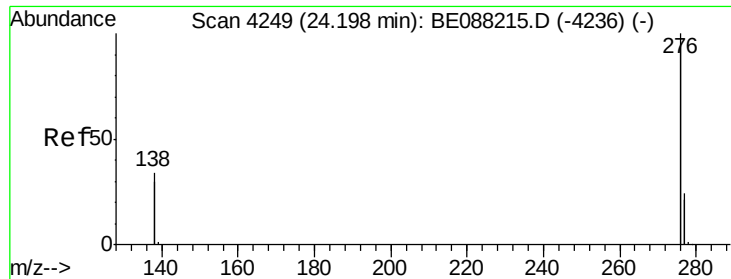
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#26
Dibenzo(a,h)anthracene
Concen: 6.28 ng
RT: 23.68 min Scan# 4169
Delta R.T. 0.01 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	99738		
139	25.5	22.1	33.1	
279	24.0	20.2	30.2	





#27
 Benzo(g,h,i)perylene
 Concen: 5.63 ng
 RT: 24.21 min Scan# 4251
 Delta R.T. 0.01 min
 Lab File: BE088213.D
 Acq: 24 Oct 2014 15:27

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		469526		
277	24.0	19.4		29.2	
138	32.1	27.3		40.9	

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