

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088241.D
 Acq On : 25 Oct 2014 10:04
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
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 10/28/2014 12:23:26 PM

Quant Time: Oct 27 15:06:17 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 13:04:40 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	35963	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	151363	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	76453	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	143399	5.00	ng	0.00
16) Chrysene-d12	18.34	240	70043	5.00	ng	0.00
22) Perylene-d12	21.40	264	60832	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	70517	6.27	ng	0.00
8) 2-Fluorobiphenyl	10.02	172	155751	7.31	ng	0.00
18) Terphenyl-d14	16.12	244	117387	10.23	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.31	88	5131	1.02	ng	98
5) Naphthalene	8.70	128	31512	1.02	ng	98
6) 2-Methylnaphthalene	9.55	142	19839	1.07	ng	97
9) Acenaphthylene	10.64	152	117193	1.03	ng	100
10) Acenaphthene	10.86	154	17435	0.96	ng	99
11) Fluorene	11.52	166	19178	1.04	ng	100
13) Phenanthrene	12.97	178	162566	1.18	ng	95
14) Anthracene	13.06	178	109449	1.07	ng	99
15) Fluoranthene	15.21	202	32161	1.53	ng	99
17) Pyrene	15.67	202	30562	1.59	ng	99
19) Benzo(a)anthracene	18.33	228	72432	1.31	ng	100
20) Chrysene	18.40	228	72443	1.16	ng	98
21) Indeno(1,2,3-cd)pyrene	23.58	276	68613m	1.25	ng	
23) Benzo(b)fluoranthene	20.64	252	16580	1.41	ng	99
24) Benzo(k)fluoranthene	20.70	252	16009	1.02	ng	100
25) Benzo(a)pyrene	21.28	252	14861	1.30	ng	99
26) Dibenzo(a,h)anthracene	23.67	278	12301	1.18	ng	100
27) Benzo(g,h,i)perylene	24.20	276	63288	1.30	ng	100

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

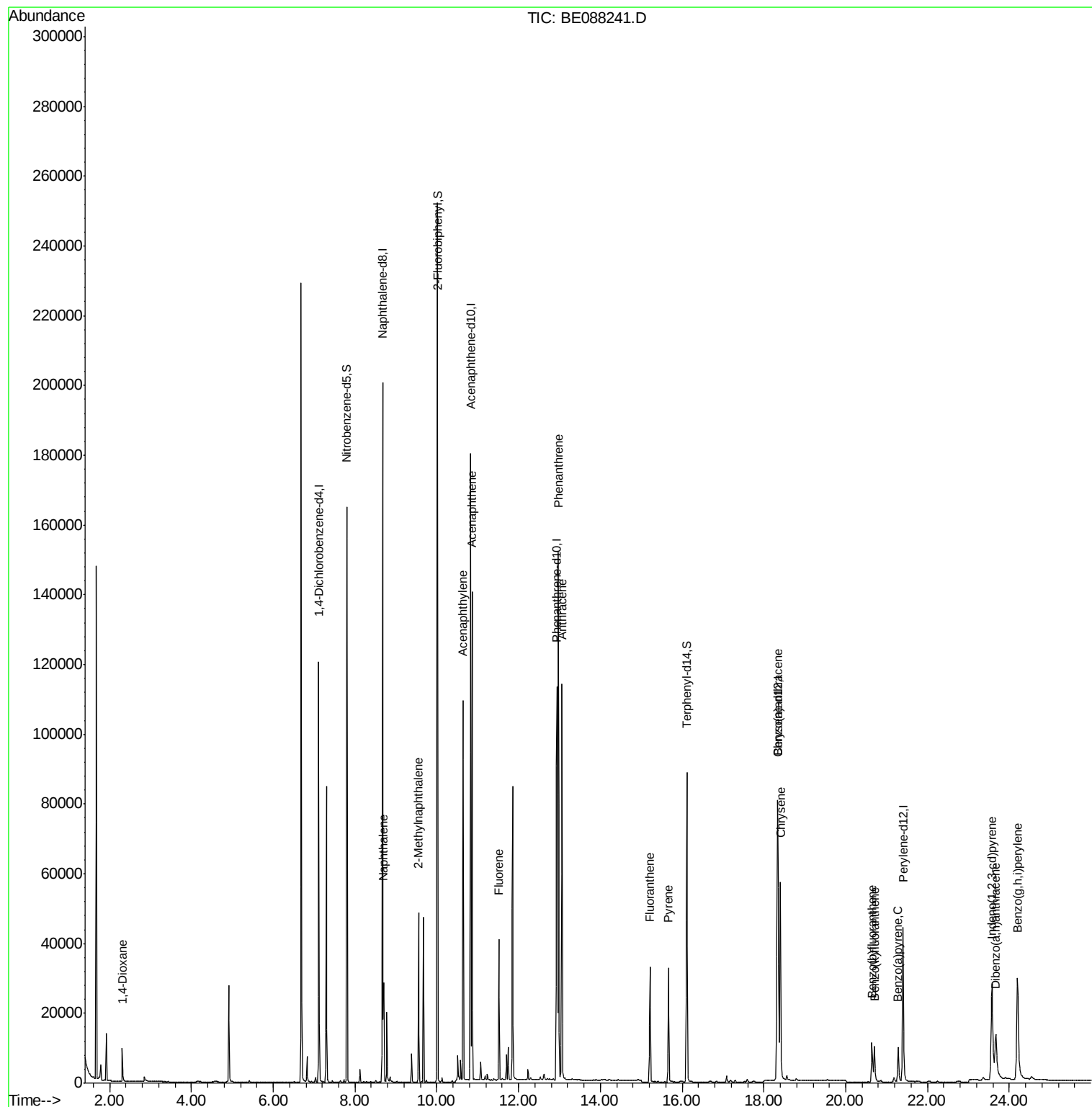
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088241.D
Acq On : 25 Oct 2014 10:04
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 10 Sample Multiplier: 1

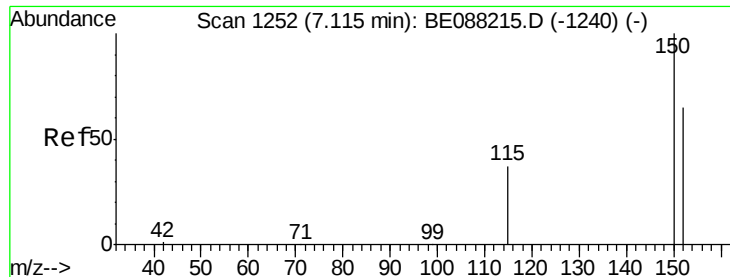
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.12 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BE088241.D

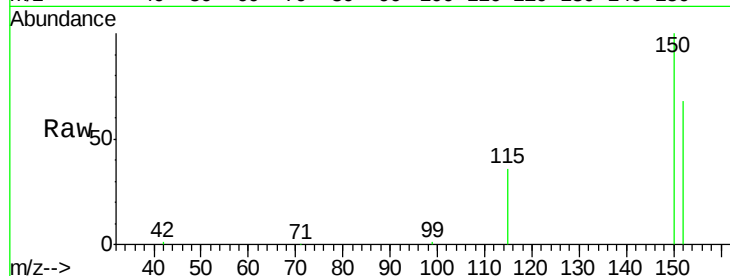
Acq: 25 Oct 2014 10:04

Instrument :

BNA_E

ClientSampleId :

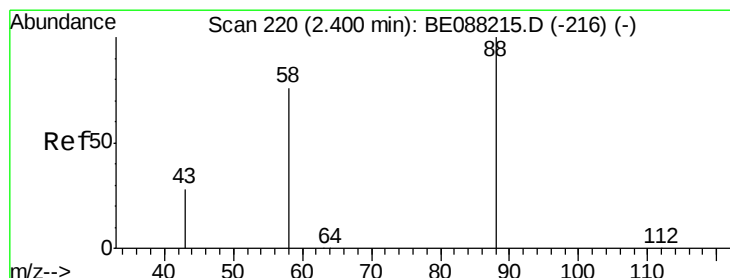
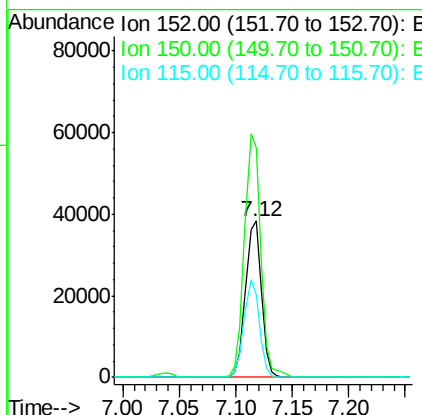
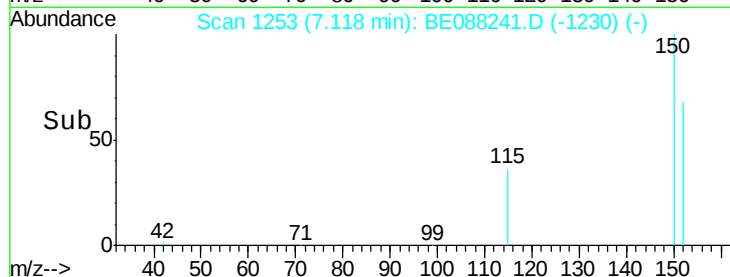
SSTDCCC001EC



Tgt Ion:	152	Resp:	35963
Ion Ratio	Lower	Upper	
152	100		
150	147.1	123.2	184.8
115	52.5	45.3	67.9

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#2

1,4-Dioxane

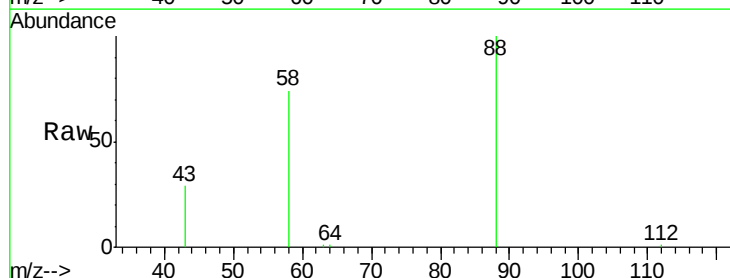
Concen: 1.02 ng

RT: 2.31 min Scan# 200

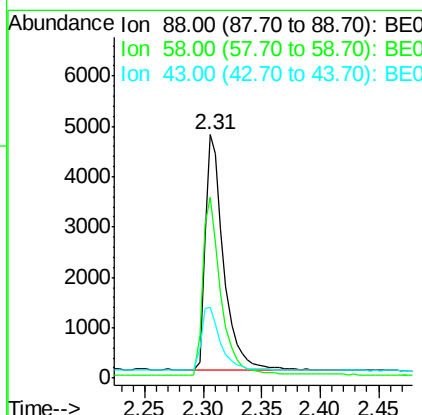
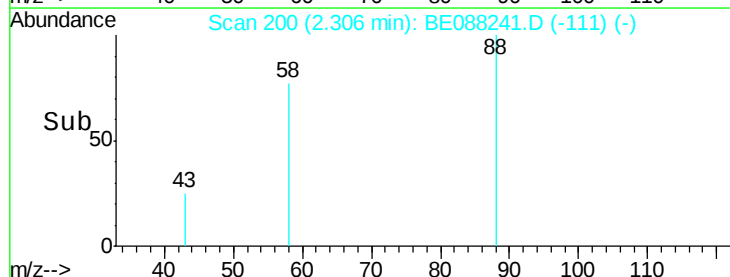
Delta R.T. -0.09 min

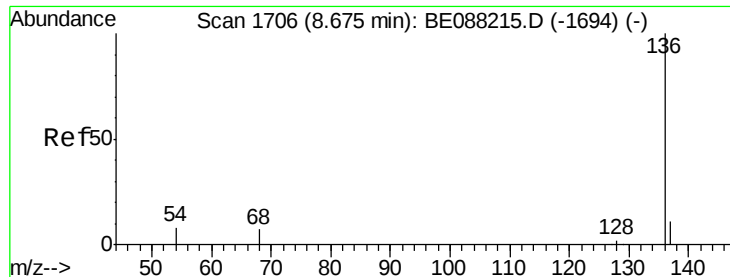
Lab File: BE088241.D

Acq: 25 Oct 2014 10:04



Tgt Ion:	88	Resp:	5131
Ion Ratio	Lower	Upper	
88	100		
58	75.5	59.0	88.4
43	28.4	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: BE088241.D

Acq: 25 Oct 2014 10:04

Instrument :

BNA_E

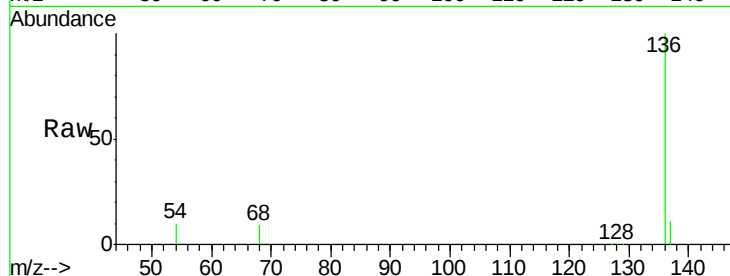
ClientSampleId :

SSTDCCC001EC

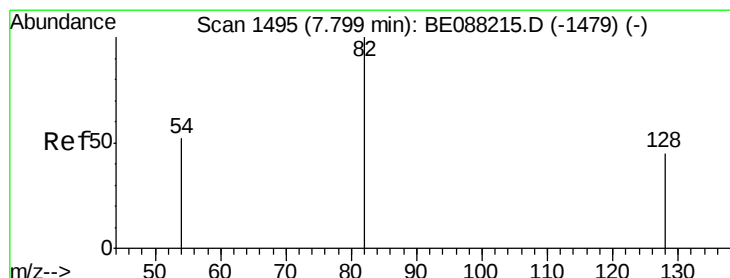
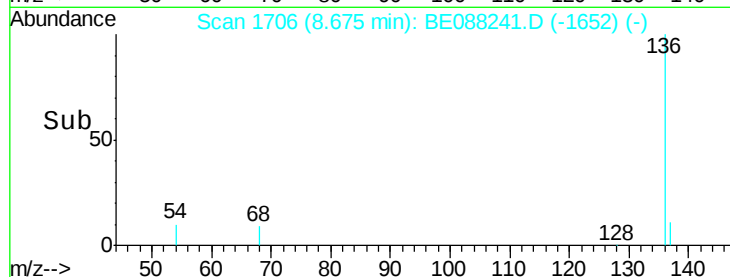
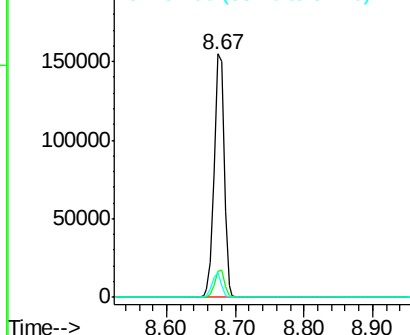
Tgt Ion:	136	Resp:	151363
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.7	13.1
54	10.0	6.1	9.1#

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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: 6.27 ng

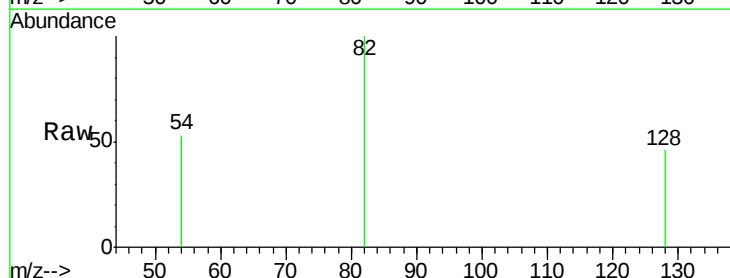
RT: 7.80 min Scan# 1496

Delta R.T. 0.00 min

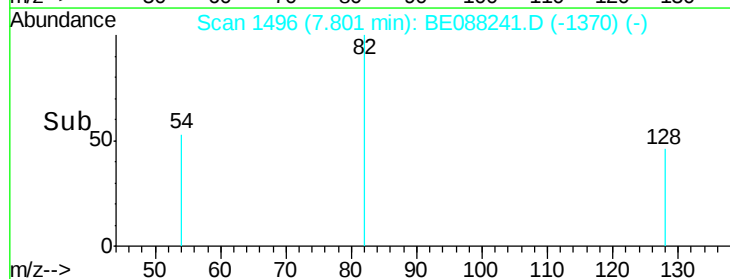
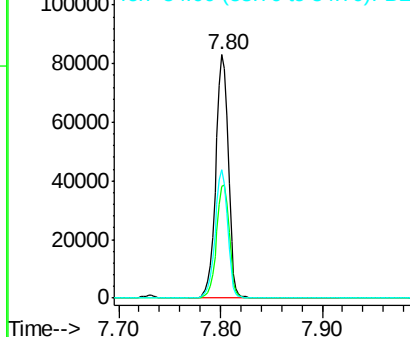
Lab File: BE088241.D

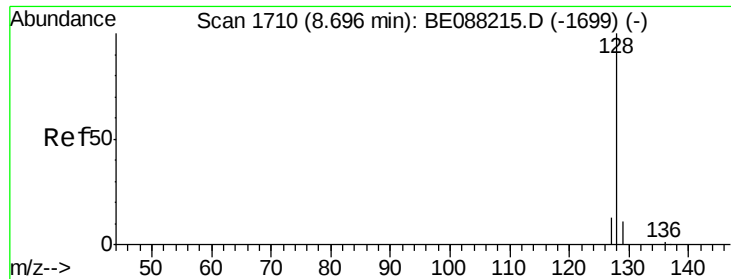
Acq: 25 Oct 2014 10:04

Tgt Ion:	82	Resp:	70517
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.2	54.2
54	52.6	41.8	62.8



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: 1.02 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088241.D

Acq: 25 Oct 2014 10:04

Instrument :

BNA_E

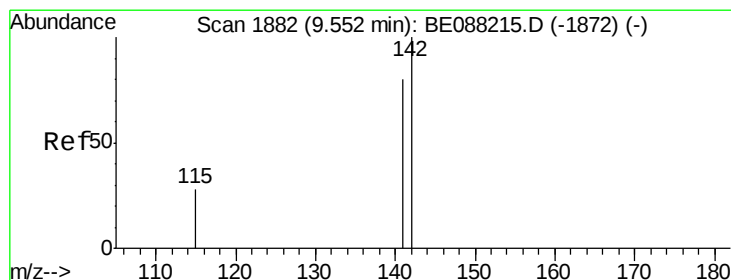
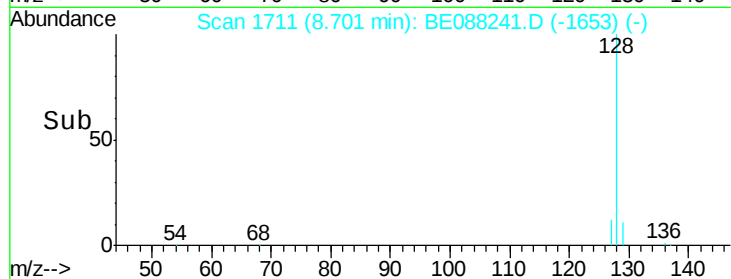
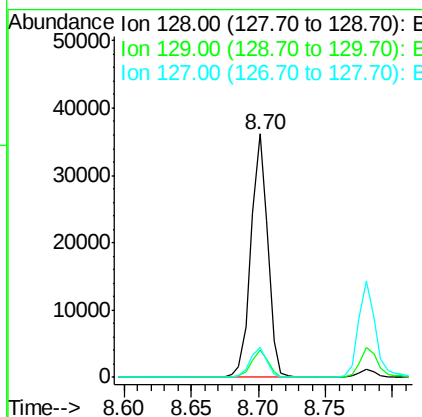
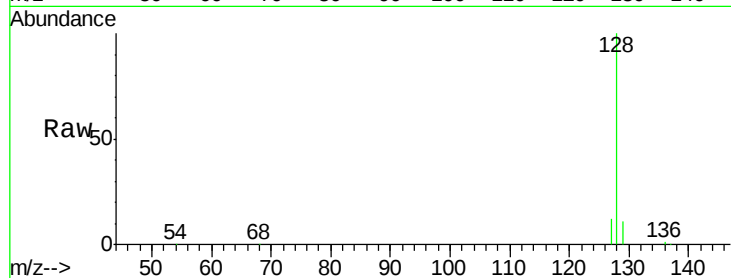
ClientSampleId :

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Tgt Ion:	128	Resp:	31512
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	12.1	10.4	15.6

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#6

2-Methylnaphthalene

Concen: 1.07 ng

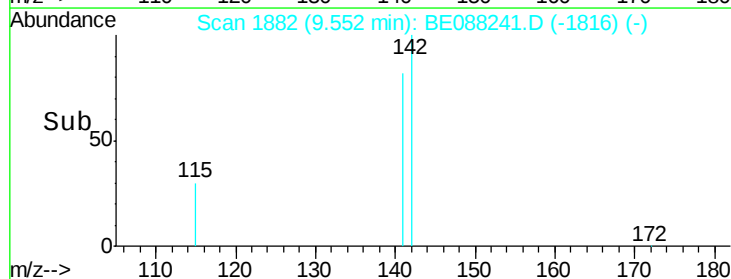
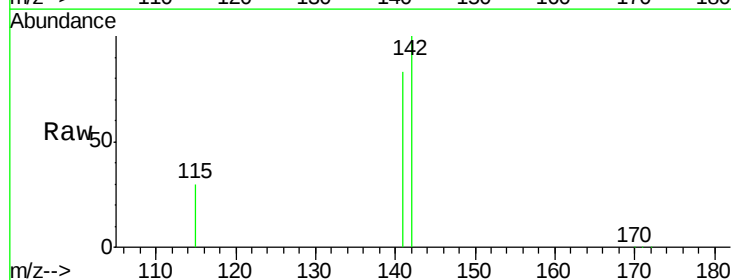
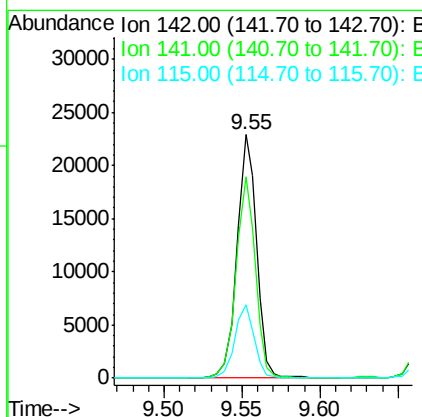
RT: 9.55 min Scan# 1882

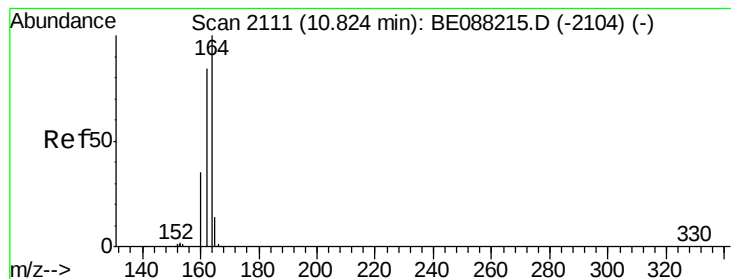
Delta R.T. 0.00 min

Lab File: BE088241.D

Acq: 25 Oct 2014 10:04

Tgt Ion:	142	Resp:	19839
Ion Ratio	Lower	Upper	
142	100		
141	82.5	63.7	95.5
115	30.4	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.83 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE088241.D

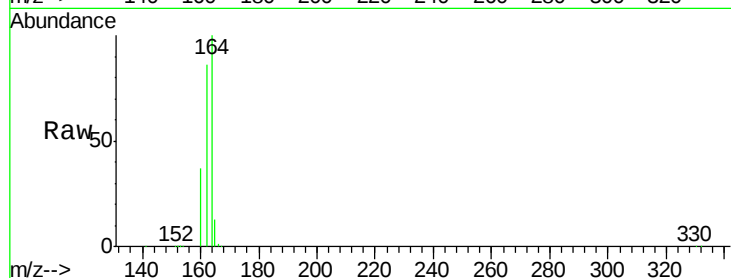
Acq: 25 Oct 2014 10:04

Instrument :

BNA_E

ClientSampleId :

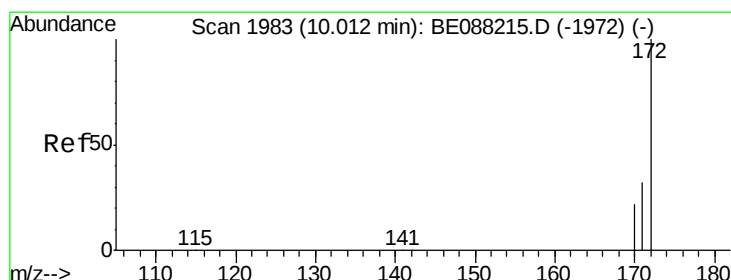
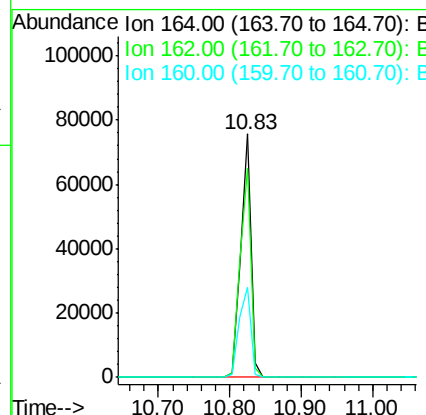
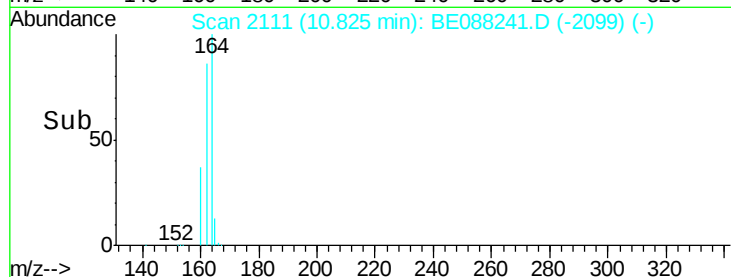
SSTDCCC001EC



Tgt Ion:	164	Resp:	76453
Ion Ratio	Lower	Upper	
164	100		
162	85.9	67.4	101.0
160	36.8	27.7	41.5

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#8

2-Fluorobiphenyl

Concen: 7.31 ng

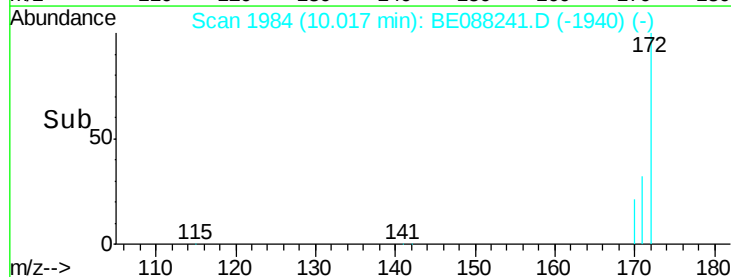
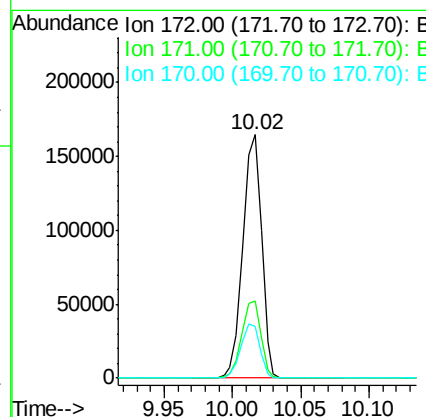
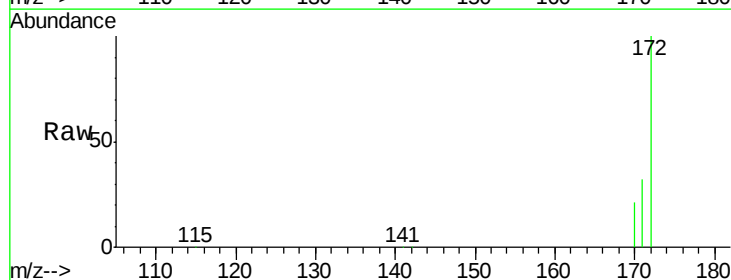
RT: 10.02 min Scan# 1984

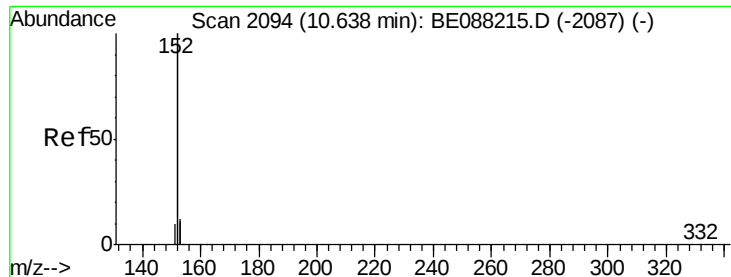
Delta R.T. 0.00 min

Lab File: BE088241.D

Acq: 25 Oct 2014 10:04

Tgt Ion:	172	Resp:	155751
Ion Ratio	Lower	Upper	
172	100		
171	31.7	25.8	38.6
170	21.0	17.4	26.0





#9

Acenaphthylene

Concen: 1.03 ng

RT: 10.64 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BE088241.D

Acq: 25 Oct 2014 10:04

Instrument :

BNA_E

ClientSampleId :

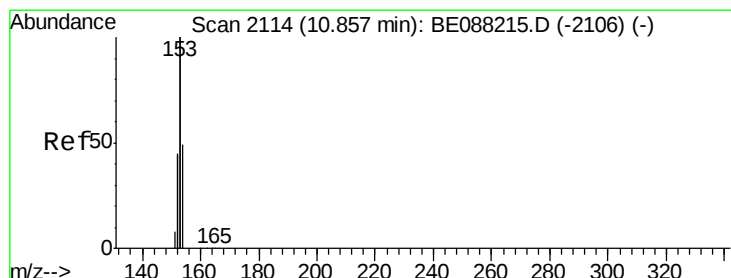
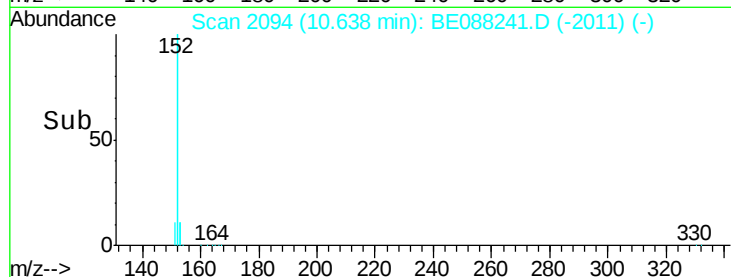
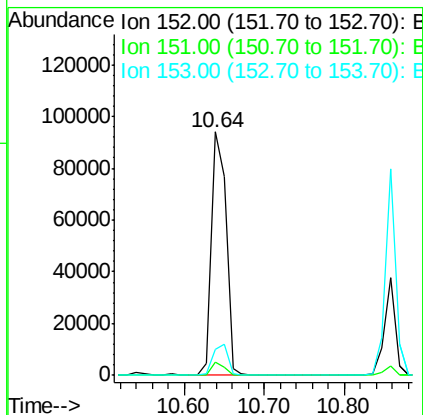
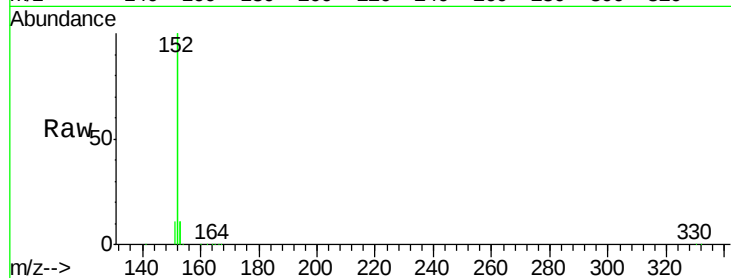
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	12.8	10.3	15.5



#10

Acenaphthene

Concen: 0.96 ng

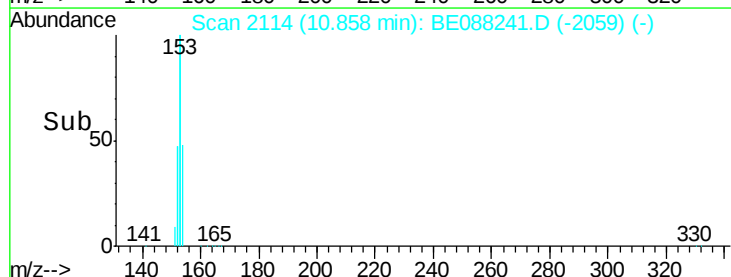
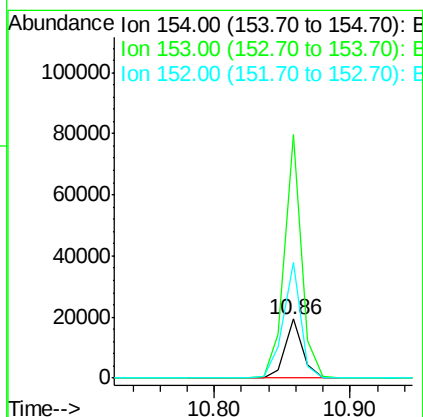
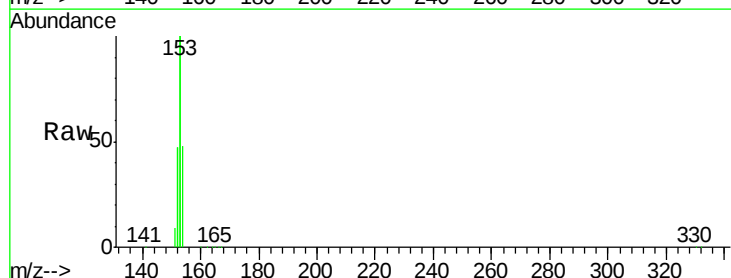
RT: 10.86 min Scan# 2114

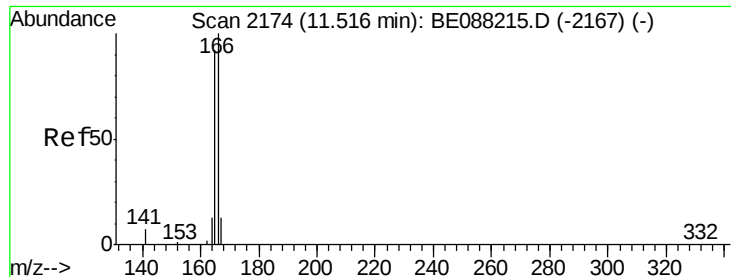
Delta R.T. 0.00 min

Lab File: BE088241.D

Acq: 25 Oct 2014 10:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	403.4	326.0	489.0
152	195.9	155.6	233.4





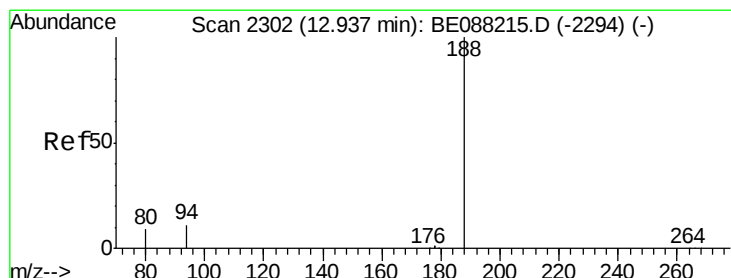
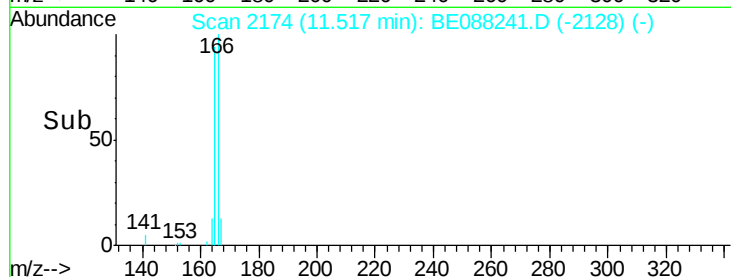
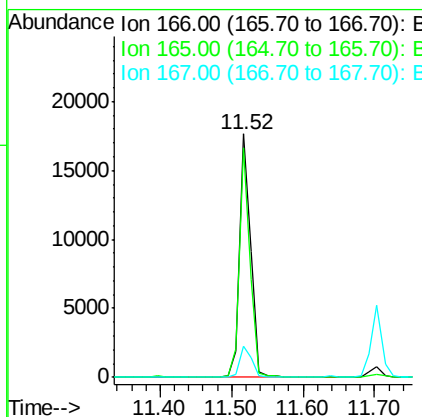
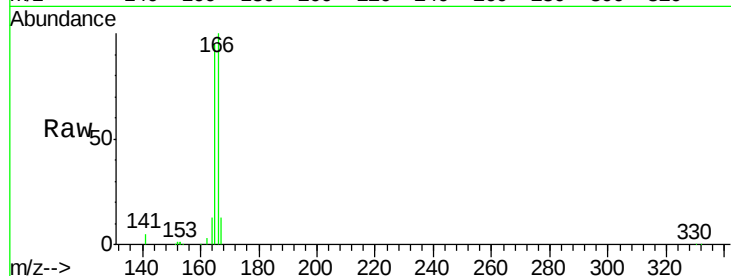
#11
Fluorene
Concen: 1.04 ng
RT: 11.52 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BE088241.D
Acq: 25 Oct 2014 10:04

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.2	71.8	107.6
167	13.6	10.7	16.1

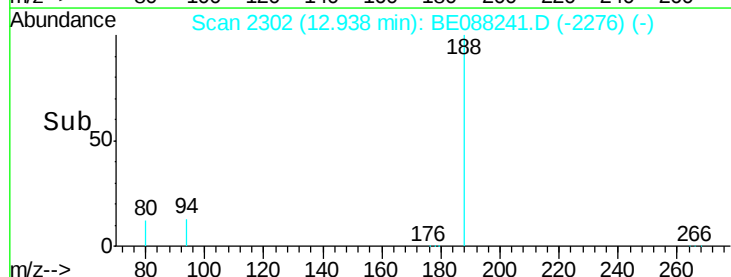
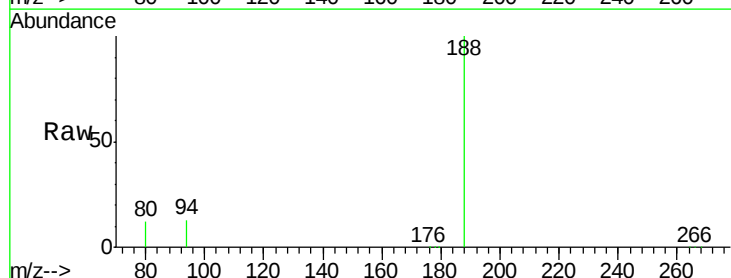
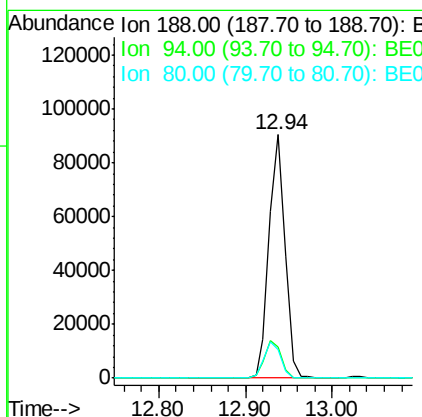
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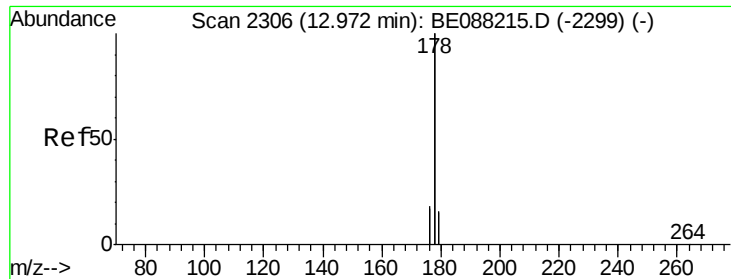
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#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088241.D
Acq: 25 Oct 2014 10:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	8.5	12.7#
80	11.7	7.4	11.0#





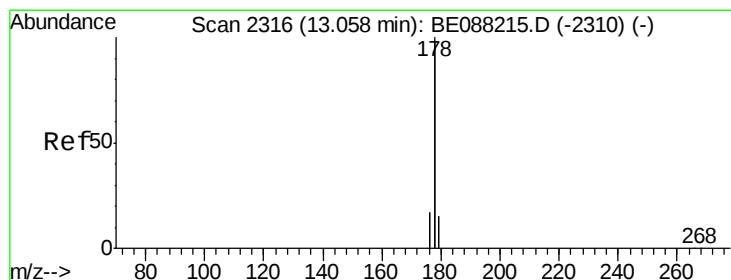
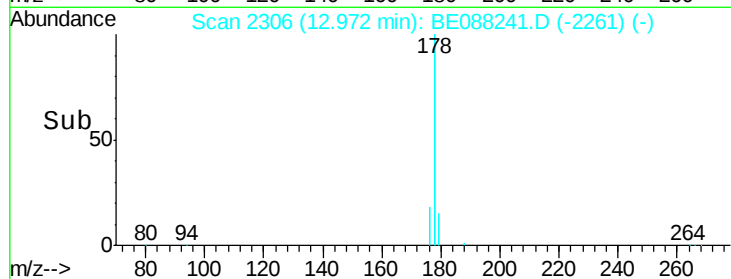
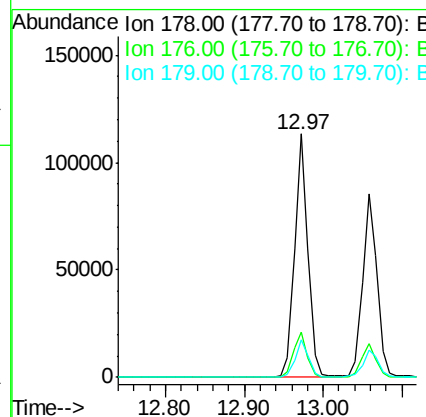
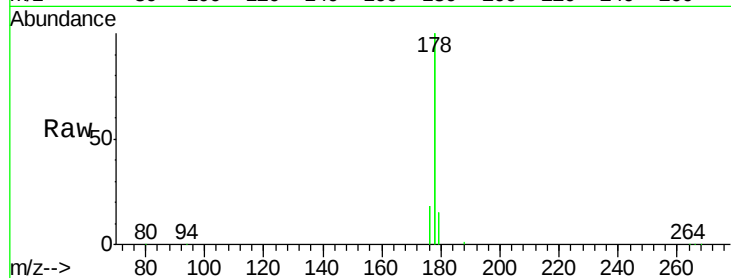
#13
Phenanthrene
Concen: 1.18 ng
RT: 12.97 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088241.D
Acq: 25 Oct 2014 10:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.0	21.0
179	16.6	11.8	17.6

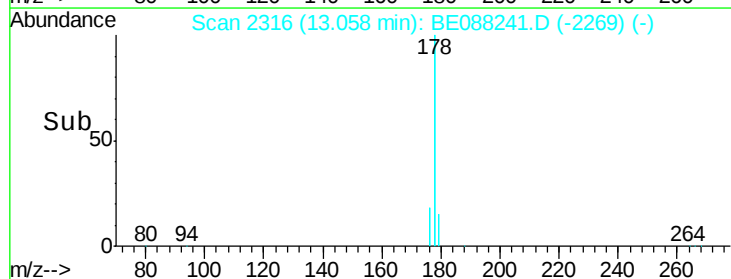
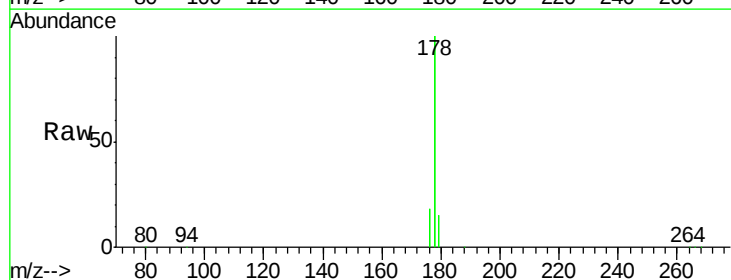
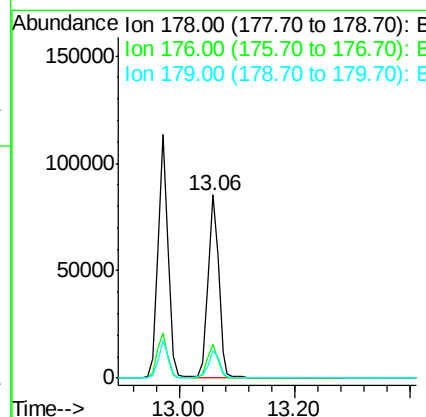
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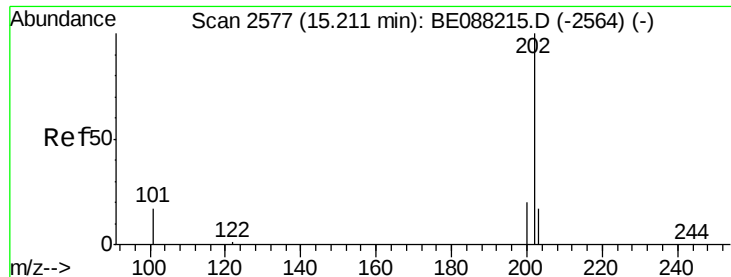
mohammad
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#14
Anthracene
Concen: 1.07 ng
RT: 13.06 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BE088241.D
Acq: 25 Oct 2014 10:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.2	12.3	18.5





#15

Fluoranthene

Concen: 1.53 ng

RT: 15.21 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BE088241.D

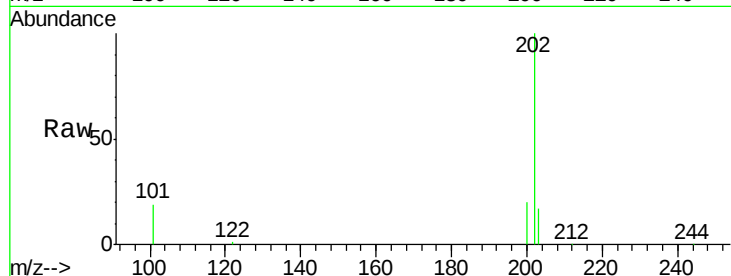
Acq: 25 Oct 2014 10:04

Instrument :

BNA_E

ClientSampleId :

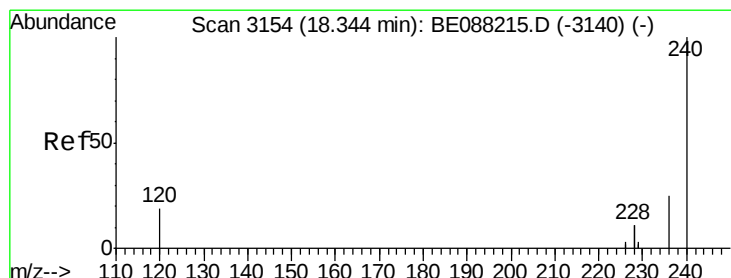
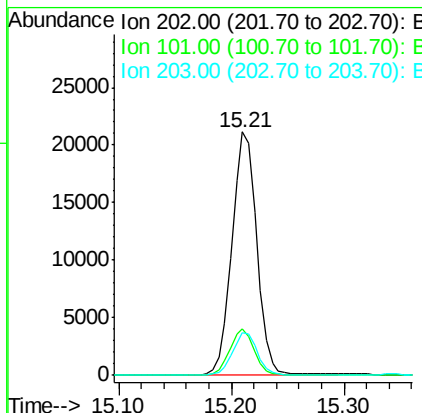
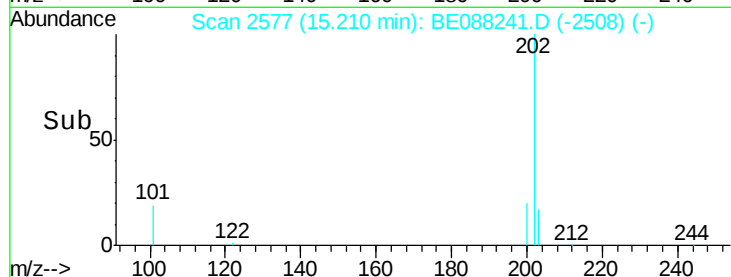
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.4	21.6
203	17.3	13.4	20.2

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#16

Chrysene-d12

Concen: 5.00 ng

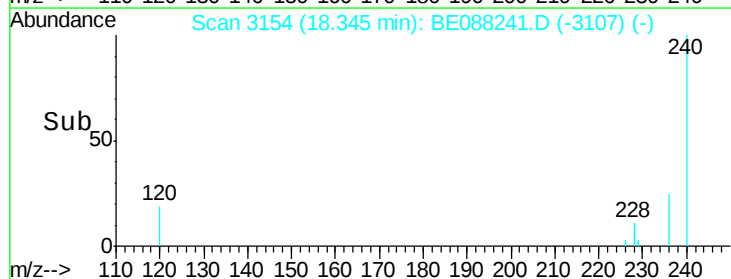
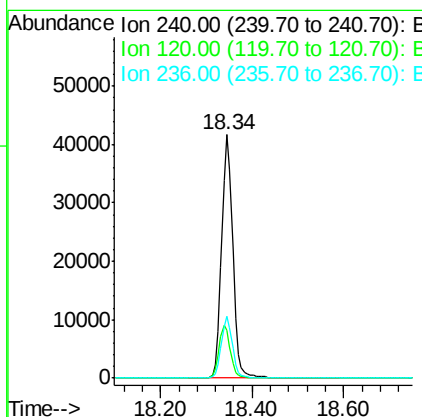
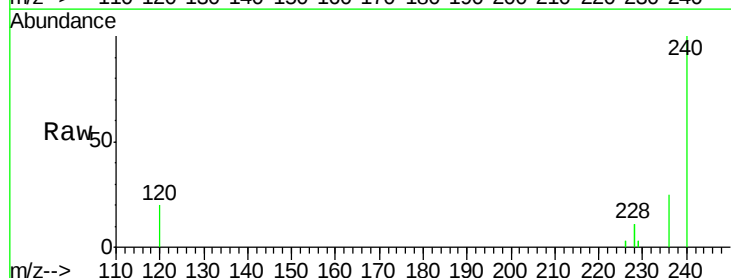
RT: 18.34 min Scan# 3154

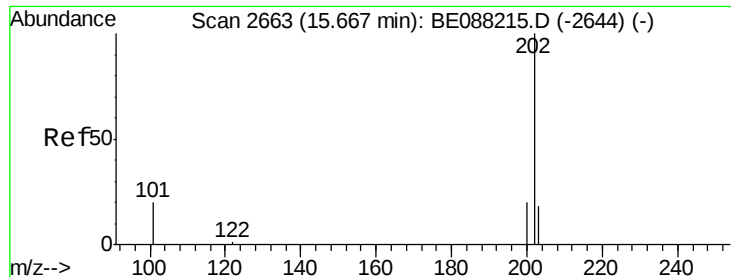
Delta R.T. 0.00 min

Lab File: BE088241.D

Acq: 25 Oct 2014 10:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.6	15.1	22.7
236	25.3	20.1	30.1





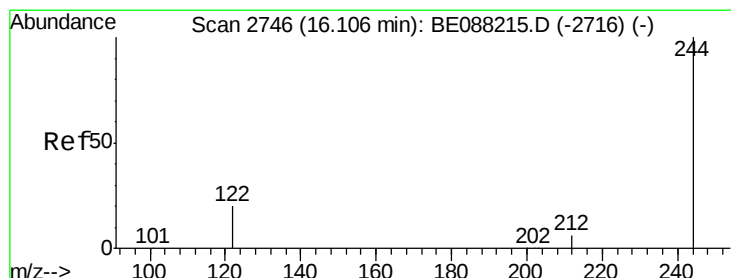
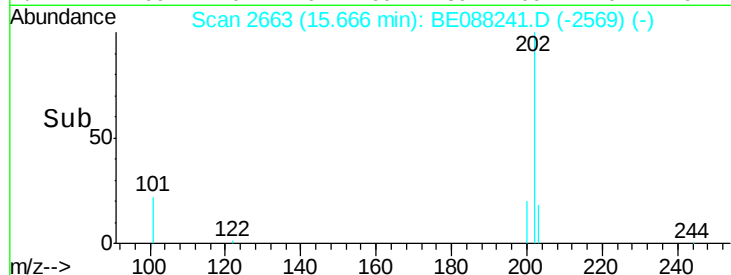
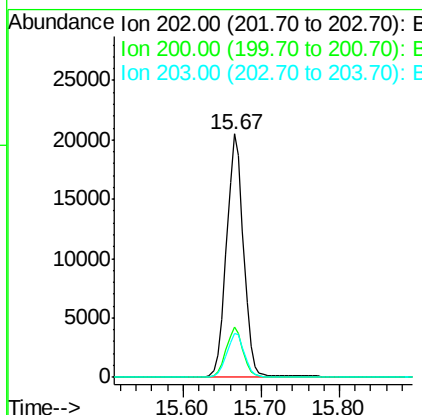
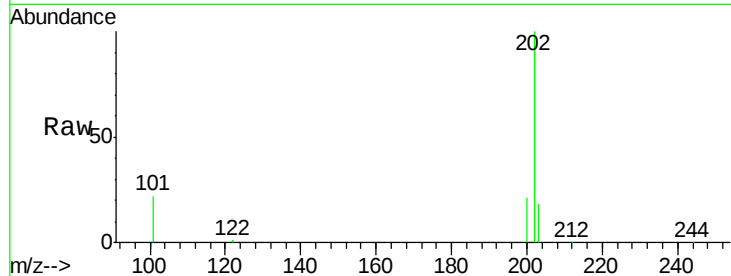
#17
 Pyrene
 Concen: 1.59 ng
 RT: 15.67 min Scan# 2663
 Delta R.T. -0.00 min
 Lab File: BE088241.D
 Acq: 25 Oct 2014 10:04

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC001EC

Tgt Ion:	202	Resp:	30562
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.2	24.2
203	18.3	13.8	20.8

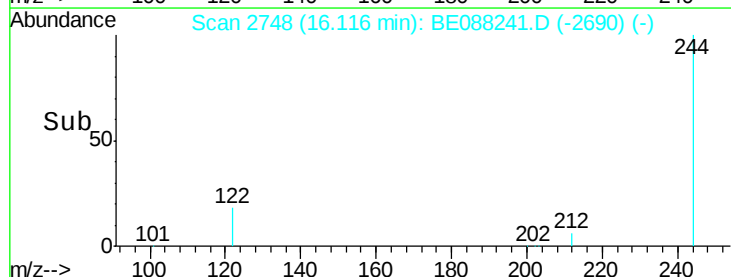
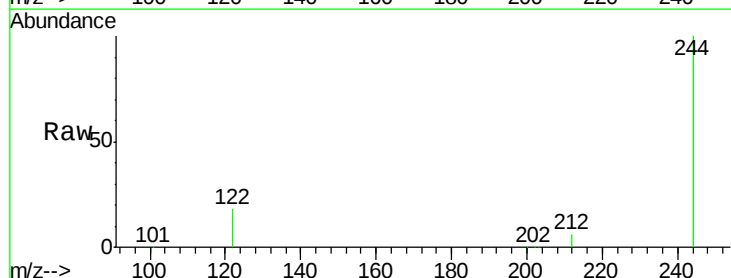
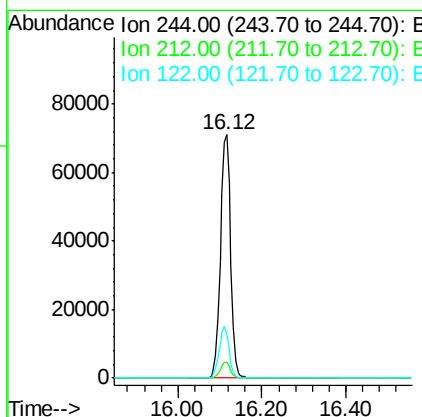
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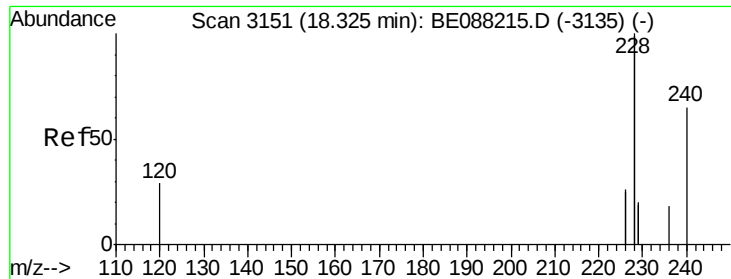
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#18
 Terphenyl-d14
 Concen: 10.23 ng
 RT: 16.12 min Scan# 2748
 Delta R.T. 0.01 min
 Lab File: BE088241.D
 Acq: 25 Oct 2014 10:04

Tgt Ion:	244	Resp:	117387
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.2
122	18.1	16.7	25.1





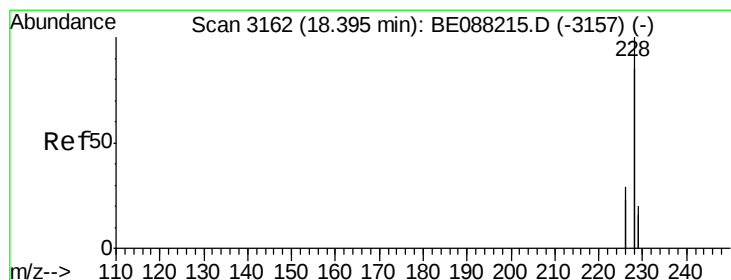
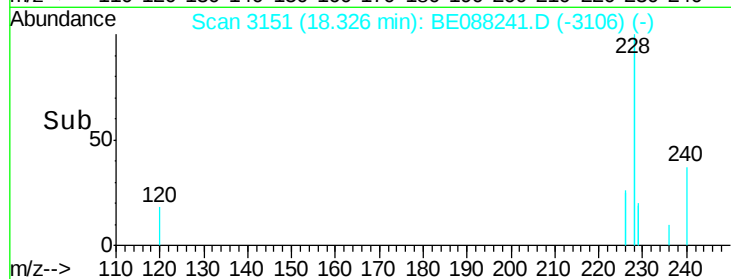
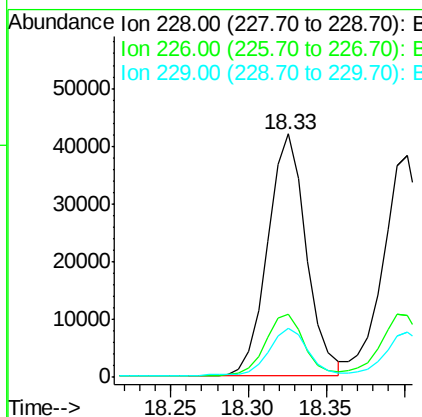
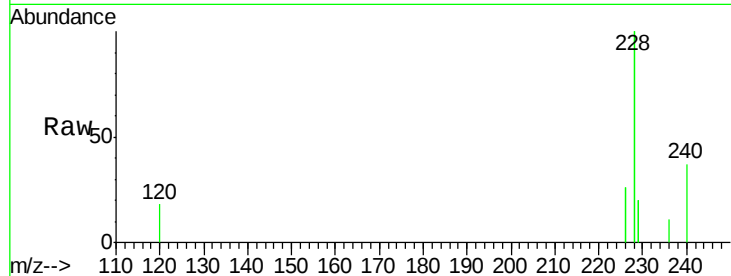
#19
Benzo(a)anthracene
Concen: 1.31 ng
RT: 18.33 min Scan# 3151
Delta R.T. 0.00 min
Lab File: BE088241.D
Acq: 25 Oct 2014 10:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.5	30.7
229	20.0	16.1	24.1

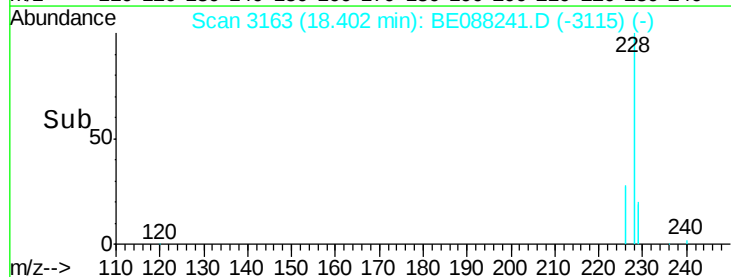
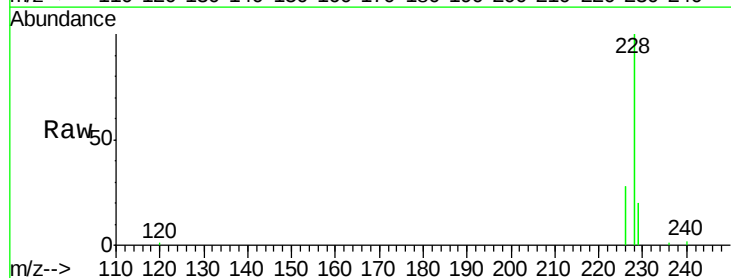
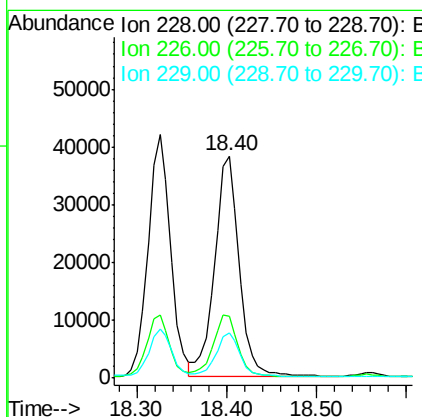
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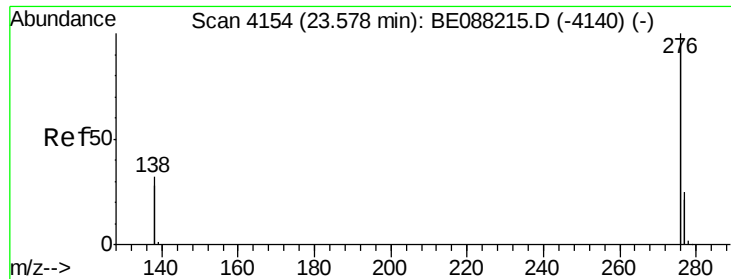
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#20
Chrysene
Concen: 1.16 ng
RT: 18.40 min Scan# 3163
Delta R.T. 0.01 min
Lab File: BE088241.D
Acq: 25 Oct 2014 10:04

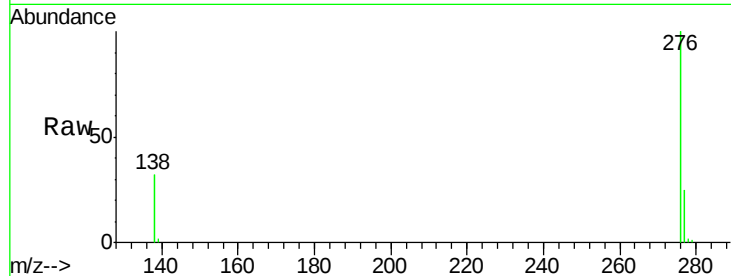
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.3	34.9
229	20.4	15.6	23.4





#21
 Indeno(1,2,3-cd)pyrene
 Concen: 1.25 ng m
 RT: 23.58 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: BE088241.D
 Acq: 25 Oct 2014 10:04

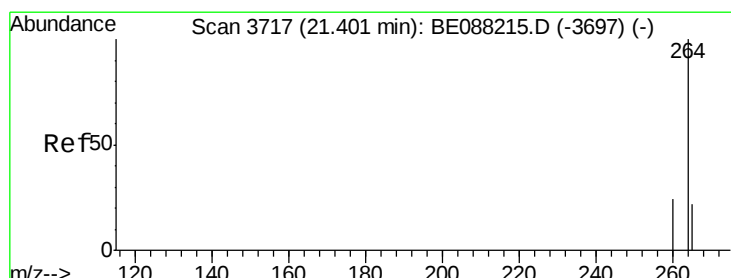
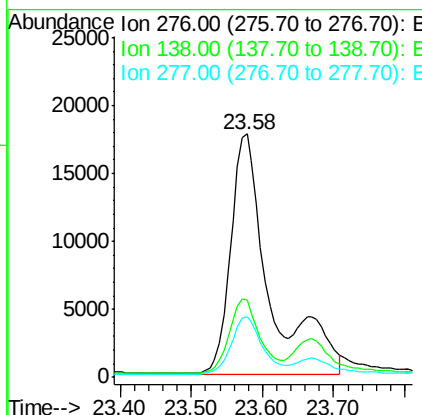
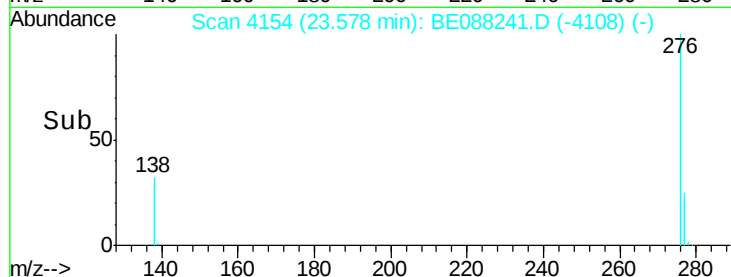
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC



Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.5	13.9	20.9#
277	18.5	10.7	16.1#

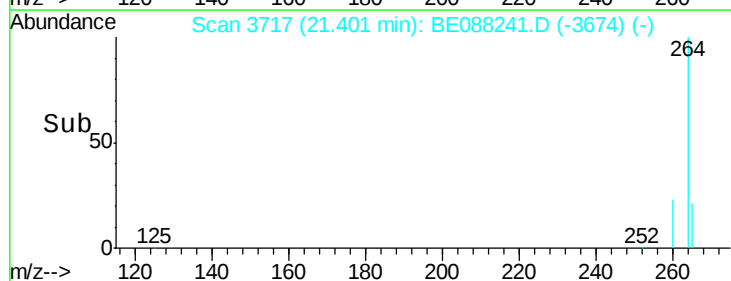
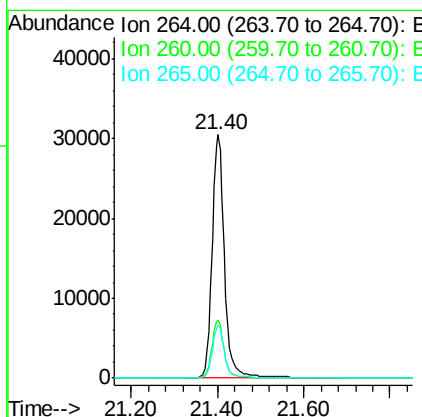
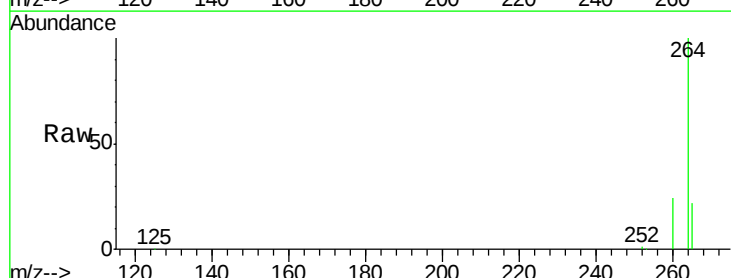
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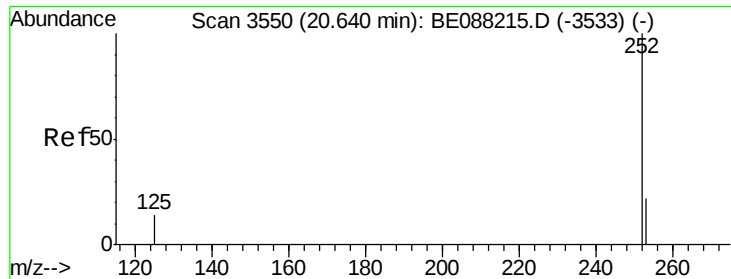
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#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3717
 Delta R.T. 0.00 min
 Lab File: BE088241.D
 Acq: 25 Oct 2014 10:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.6	17.4	26.2





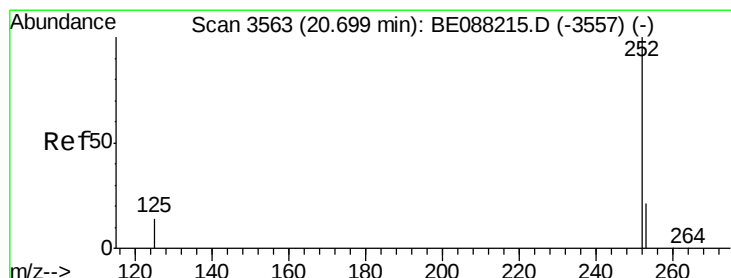
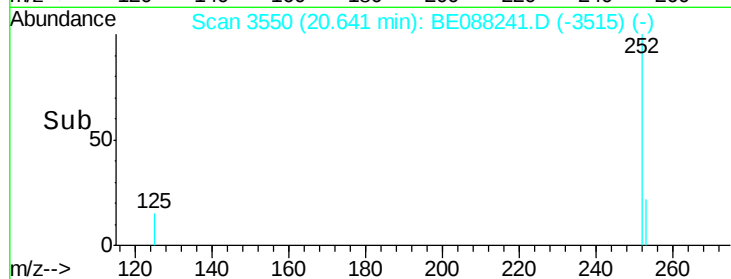
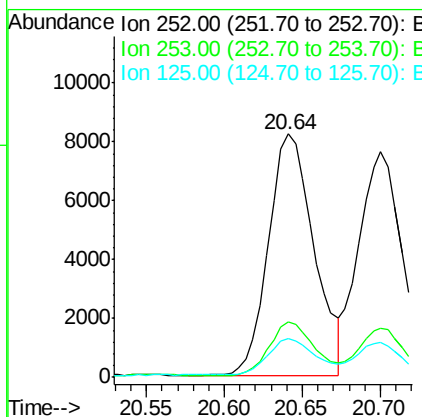
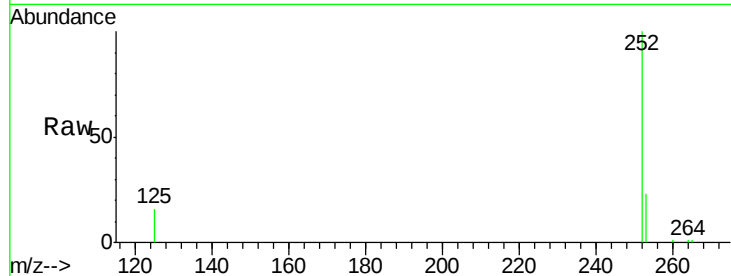
#23
Benzo(b)fluoranthene
Concen: 1.41 ng
RT: 20.64 min Scan# 3550
Delta R.T. 0.00 min
Lab File: BE088241.D
Acq: 25 Oct 2014 10:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

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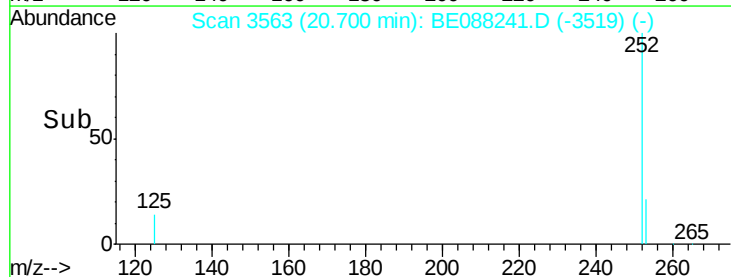
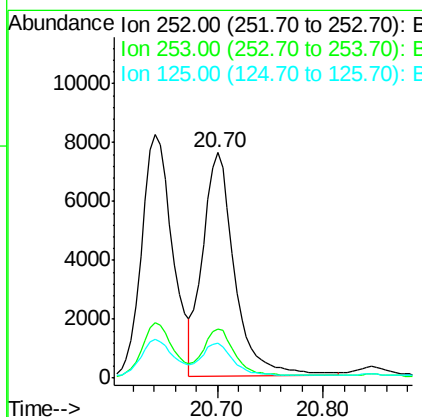
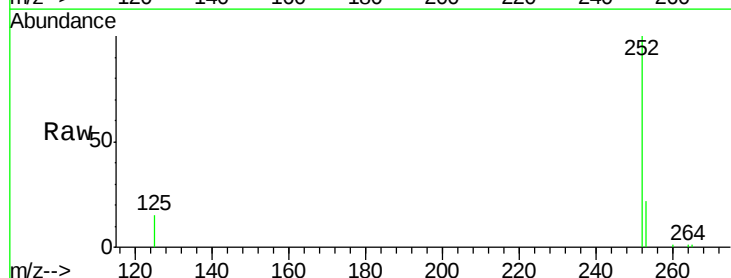
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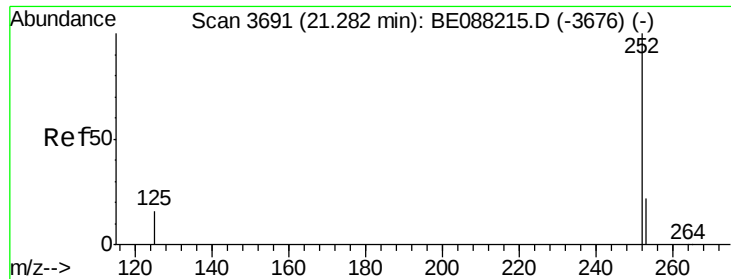
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	16.0	12.2	18.2



#24
Benzo(k)fluoranthene
Concen: 1.02 ng
RT: 20.70 min Scan# 3563
Delta R.T. 0.00 min
Lab File: BE088241.D
Acq: 25 Oct 2014 10:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	15.2	12.1	18.1





#25

Benzo(a)pyrene

Concen: 1.30 ng

RT: 21.28 min Scan# 3691

Delta R.T. 0.00 min

Lab File: BE088241.D

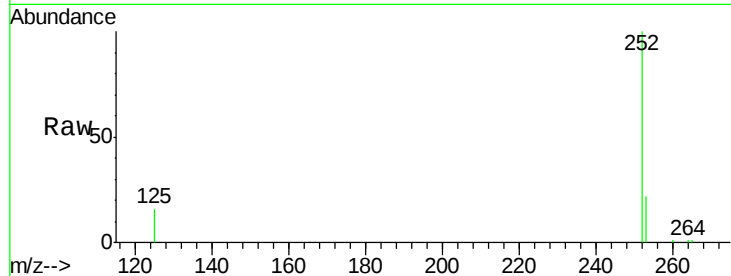
Acq: 25 Oct 2014 10:04

Instrument :

BNA_E

ClientSampleId :

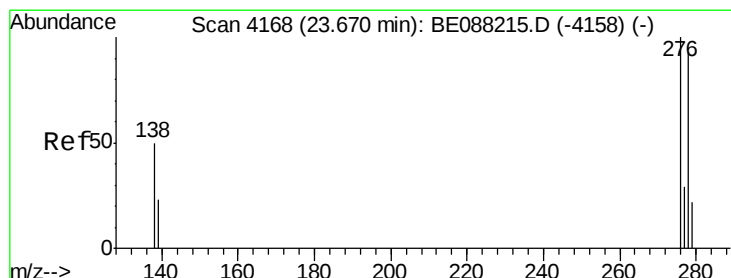
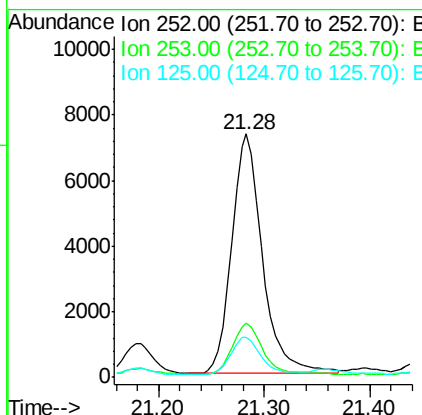
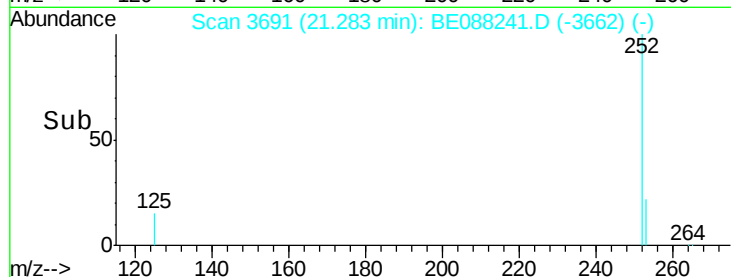
SSTDCCC001EC



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	16.4	13.5	20.3

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#26

Dibenzo(a,h)anthracene

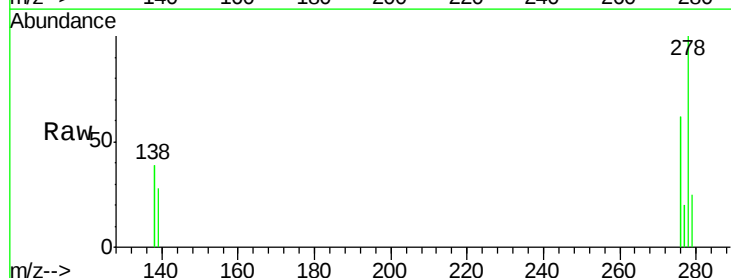
Concen: 1.18 ng

RT: 23.67 min Scan# 4168

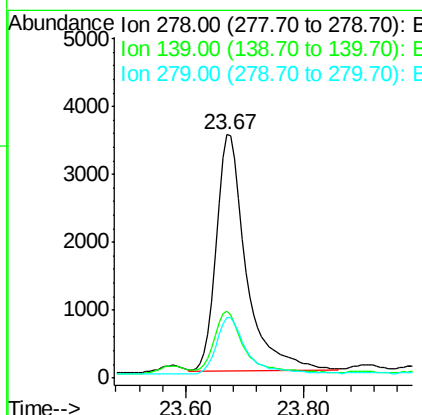
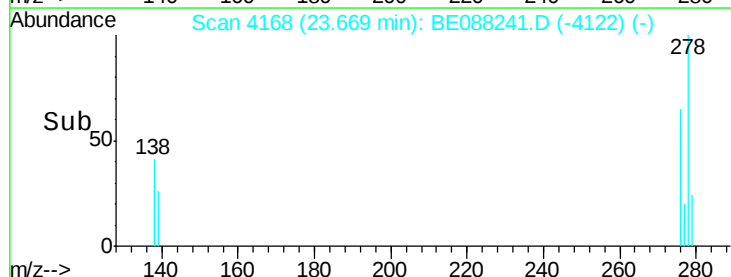
Delta R.T. 0.00 min

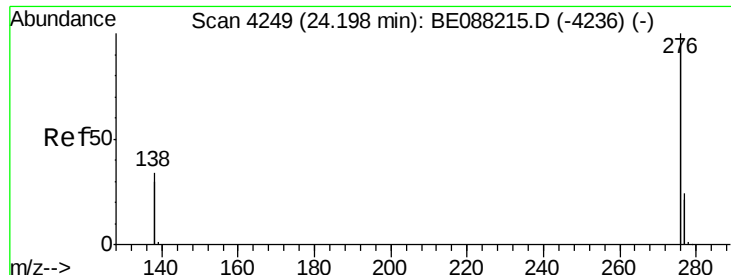
Lab File: BE088241.D

Acq: 25 Oct 2014 10:04



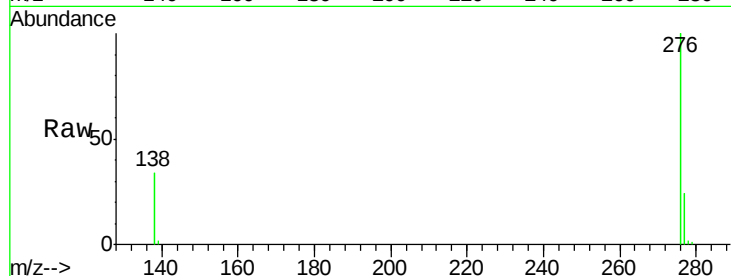
Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.6	22.1	33.1
279	25.1	20.2	30.2





#27
 Benzo(g,h,i)perylene
 Concen: 1.30 ng
 RT: 24.20 min Scan# 4249
 Delta R.T. -0.00 min
 Lab File: BE088241.D
 Acq: 25 Oct 2014 10:04

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC



Tgt Ion:	276	Resp:	63288
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.4	29.2
138	34.4	27.3	40.9

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