

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088125.D
 Acq On : 21 Oct 2014 4:39
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Manual Integrations
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mohammad
 10/22/2014 1:51:47 PM

Quant Time: Oct 21 05:33:55 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	40522	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	152591	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	68309	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	121370	5.00	ng	0.00
16) Chrysene-d12	18.38	240	89341	5.00	ng	0.00
22) Perylene-d12	21.44	264	81489	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	11128	1.01	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	19631	1.04	ng	0.00
18) Terphenyl-d14	16.14	244	14356	1.00	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.40	88	6057	1.04	ng	100
5) Naphthalene	8.72	128	32330	1.03	ng	99
6) 2-Methylnaphthalene	9.57	142	19468	1.03	ng	100
9) Acenaphthylene	10.66	152	108701	1.04	ng	100
10) Acenaphthene	10.88	154	16456	1.02	ng	99
11) Fluorene	11.54	166	17616	1.03	ng	100
13) Phenanthrene	13.00	178	100417m	0.94	ng	
14) Anthracene	13.09	178	95850	1.01	ng	100
15) Fluoranthene	15.25	202	22495	0.97	ng	99
17) Pyrene	15.70	202	24201	1.00	ng	100
19) Benzo(a)anthracene	18.36	228	75581	0.95	ng	99
20) Chrysene	18.43	228	78158	1.00	ng	99
21) Indeno(1,2,3-cd)pyrene	23.63	276	79715m	0.92	ng	
23) Benzo(b)fluoranthene	20.68	252	18781	0.97	ng	99
24) Benzo(k)fluoranthene	20.74	252	20656	0.99	ng	100
25) Benzo(a)pyrene	21.32	252	17302	0.97	ng	100
26) Dibenzo(a,h)anthracene	23.73	278	16522	0.94	ng	98
27) Benzo(g,h,i)perylene	24.26	276	73582	0.95	ng	100

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

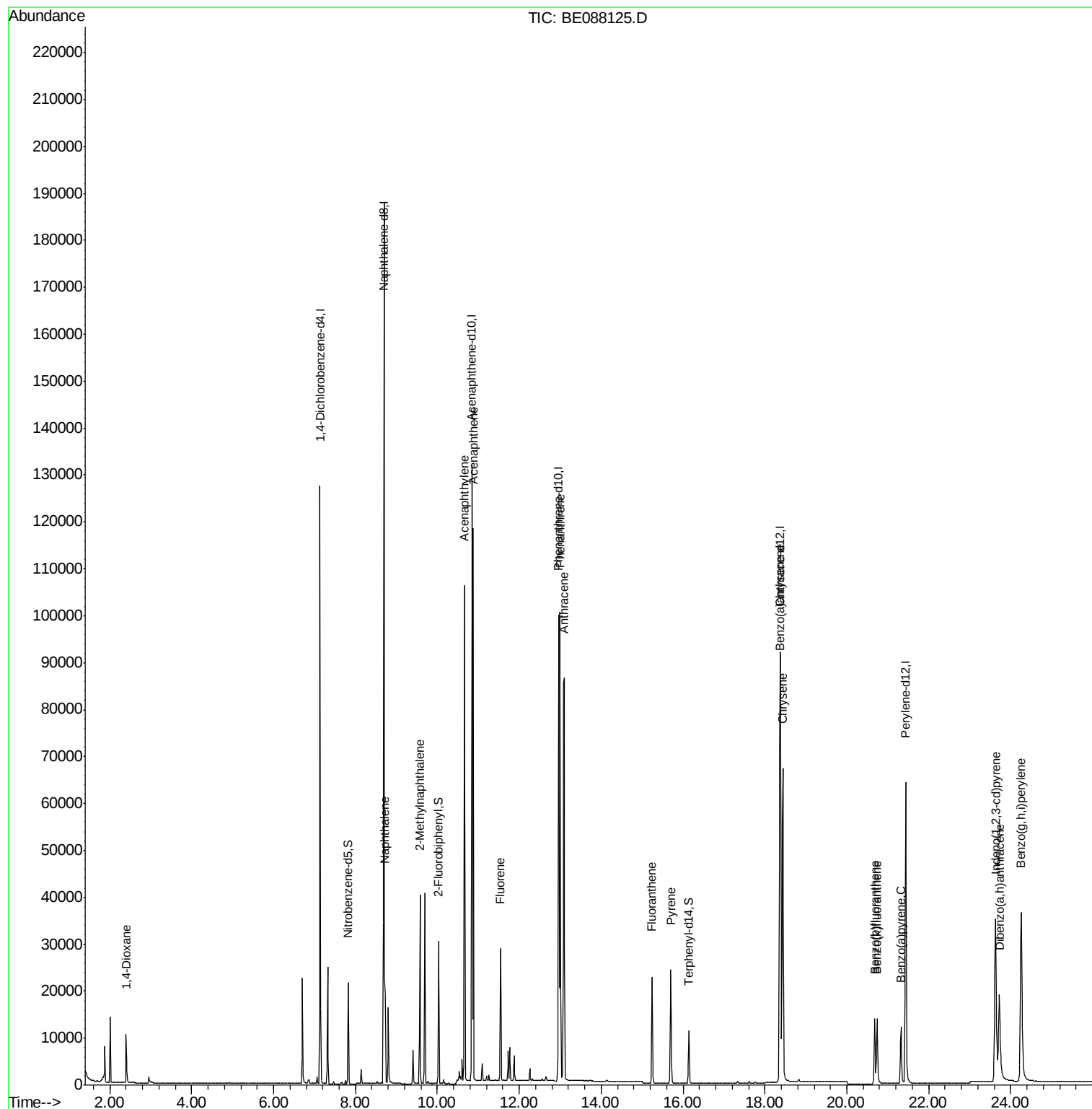
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1257

Delta R.T. -0.00 min

Lab File: BE088125.D

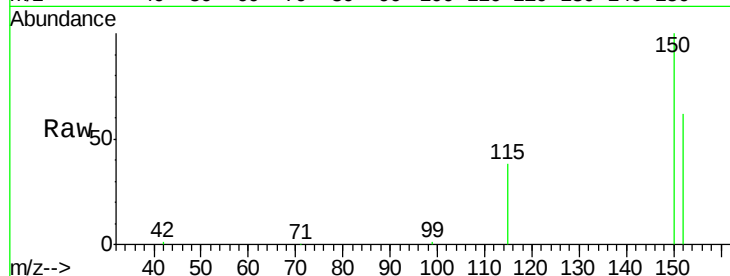
Acq: 21 Oct 2014 4:39

Instrument :

BNA_E

ClientSampleId :

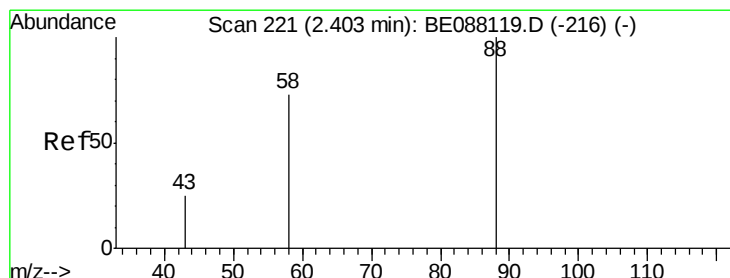
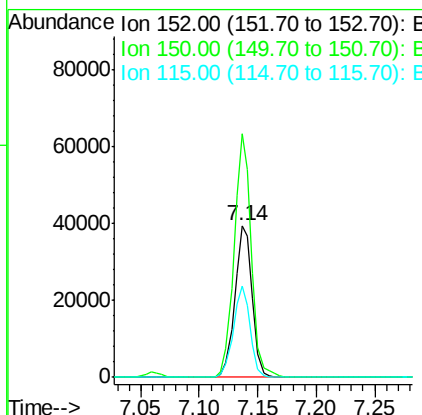
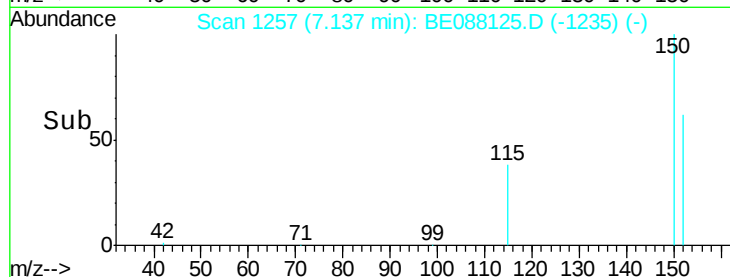
SSTDCCC001



Tgt Ion:	152	Resp:	40522
Ion Ratio	Lower	Upper	
152	100		
150	160.2	129.2	193.8
115	60.5	49.3	73.9

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#2

1,4-Dioxane

Concen: 1.04 ng

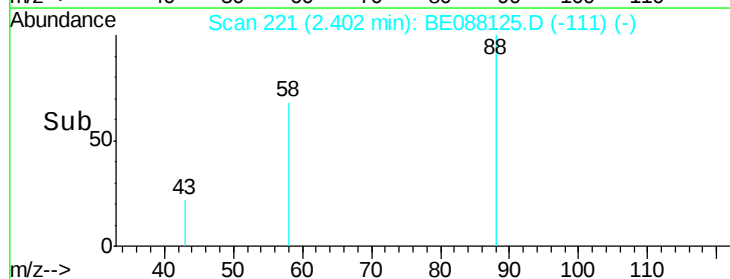
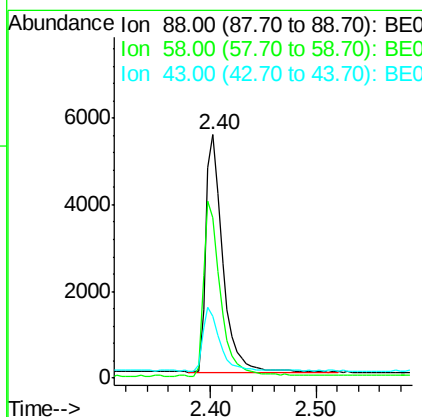
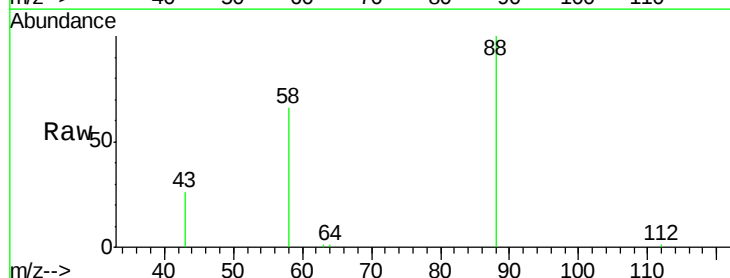
RT: 2.40 min Scan# 221

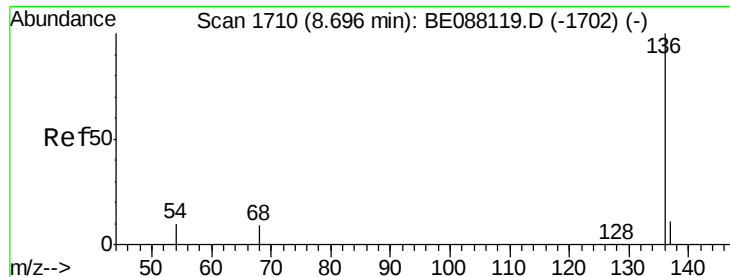
Delta R.T. -0.00 min

Lab File: BE088125.D

Acq: 21 Oct 2014 4:39

Tgt Ion:	88	Resp:	6057
Ion Ratio	Lower	Upper	
88	100		
58	74.1	59.5	89.3
43	26.5	21.2	31.8





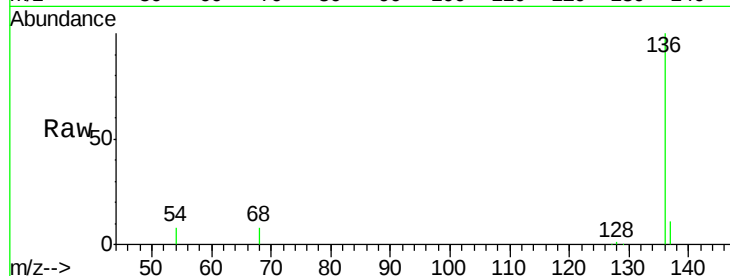
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088125.D
Acq: 21 Oct 2014 4:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.8	8.6	12.8
54	7.7	7.7	11.5

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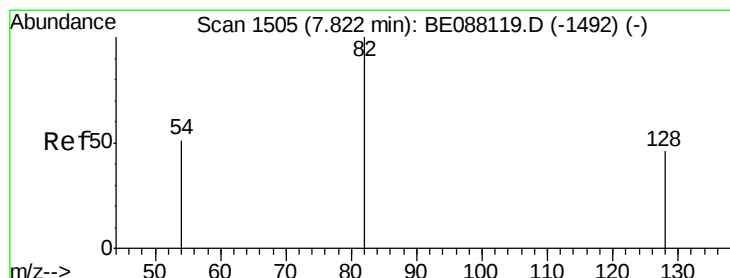
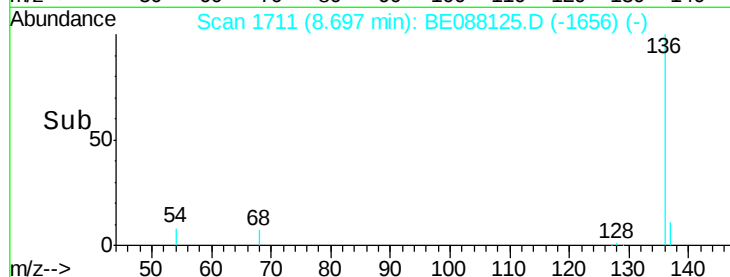
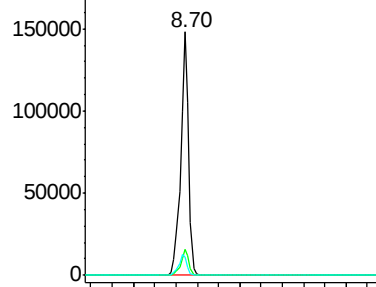
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Abundance Ion 136.00 (135.70 to 136.70): BE088125.D (-1702) (-)

Ion 137.00 (136.70 to 137.70): BE088125.D (-1702) (-)

Ion 54.00 (53.70 to 54.70): BE088125.D (-1702) (-)



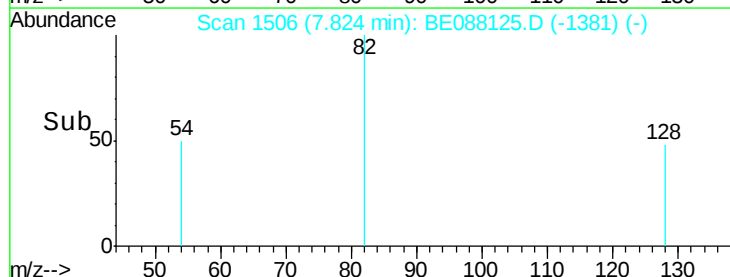
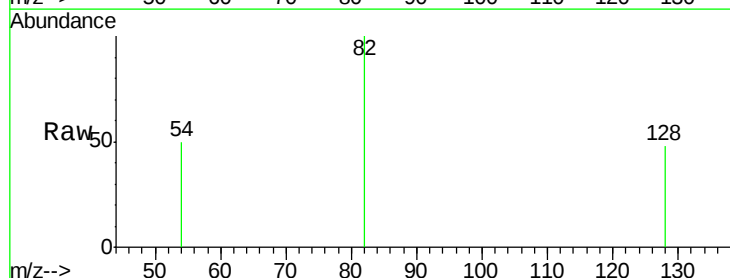
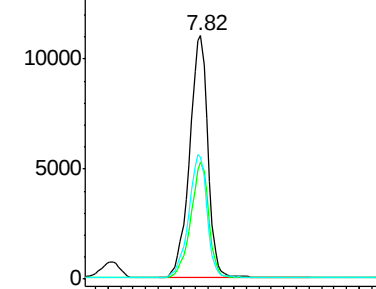
#4
Nitrobenzene-d5
Concen: 1.01 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088125.D
Acq: 21 Oct 2014 4:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	47.8	37.1	55.7
54	49.9	41.1	61.7

Abundance Ion 82.00 (81.70 to 82.70): BE088125.D (-1381) (-)

Ion 128.00 (127.70 to 128.70): BE088125.D (-1381) (-)

Ion 54.00 (53.70 to 54.70): BE088125.D (-1381) (-)





#5

Naphthalene

Concen: 1.03 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088125.D

Acq: 21 Oct 2014 4:39

Instrument :

BNA_E

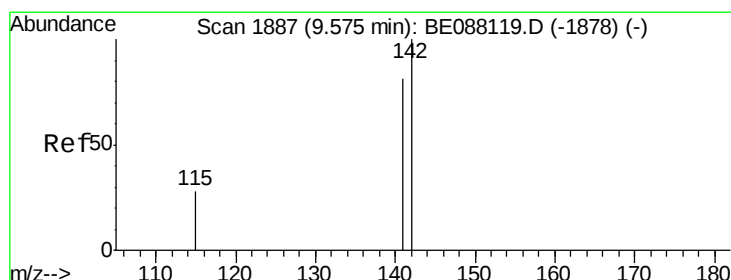
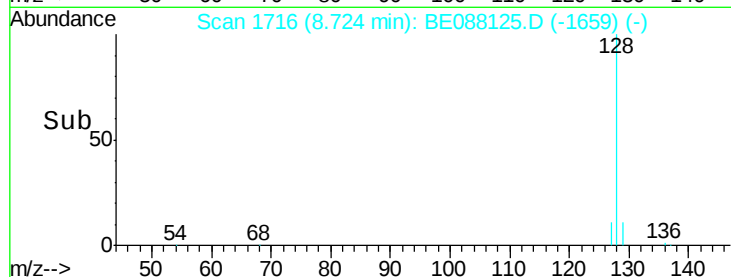
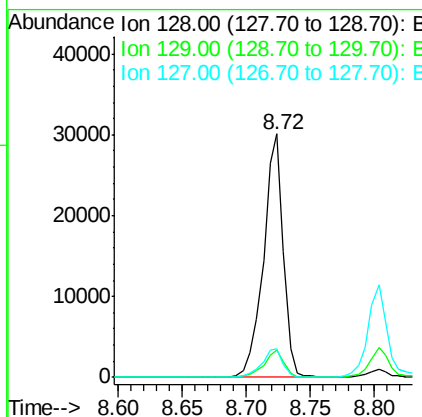
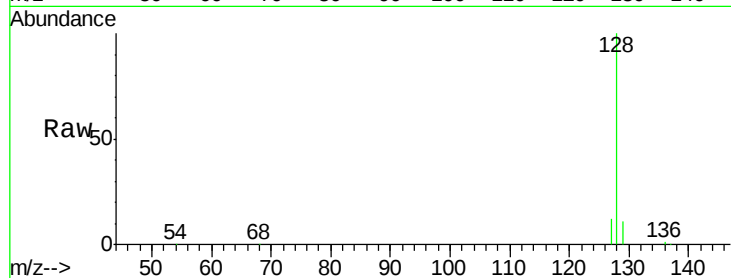
ClientSampleId :

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Tgt	Ion:128	Resp:	32330
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	11.6	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 1.03 ng

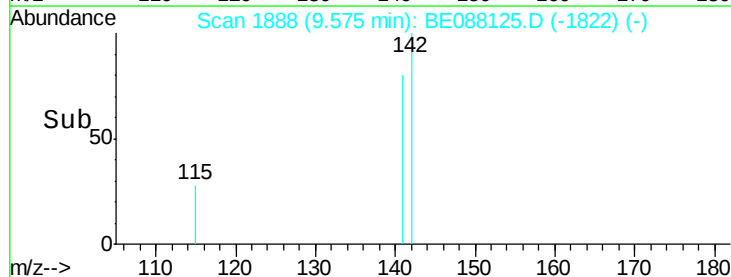
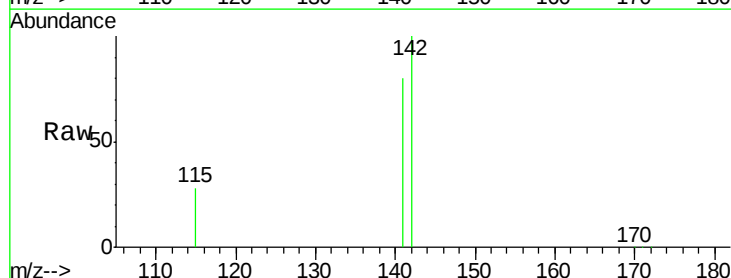
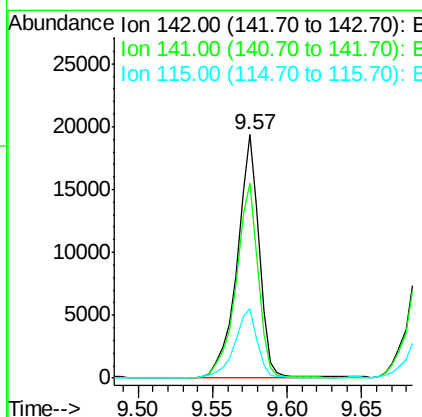
RT: 9.57 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BE088125.D

Acq: 21 Oct 2014 4:39

Tgt	Ion:142	Resp:	19468
Ion	Ratio	Lower	Upper
142	100		
141	80.3	64.6	97.0
115	28.4	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE088125.D

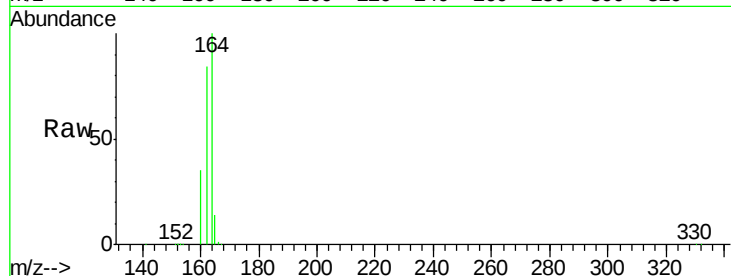
Acq: 21 Oct 2014 4:39

Instrument :

BNA_E

ClientSampleId :

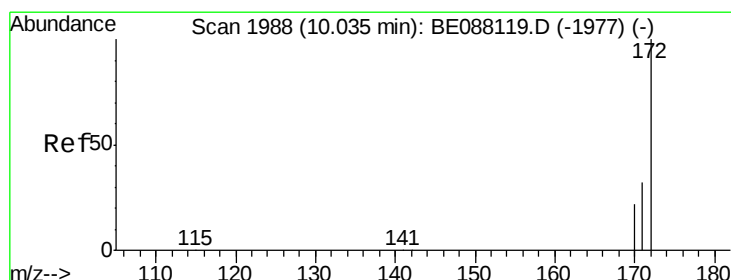
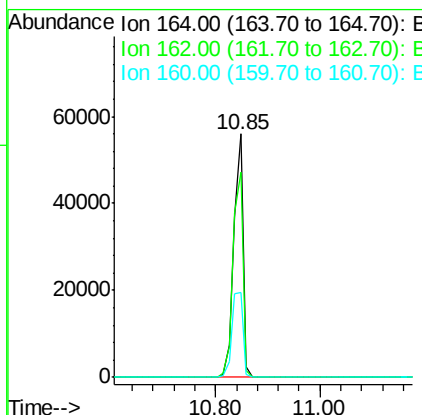
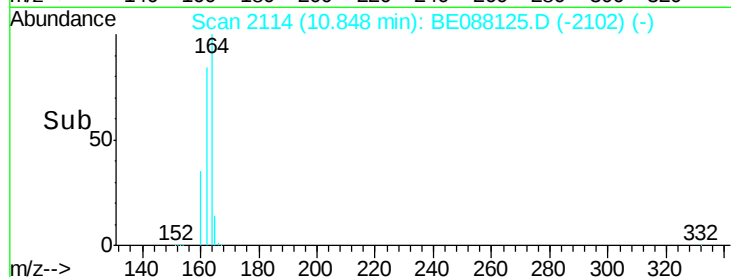
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Tgt Ion:	164	Resp:	68309
Ion Ratio	Lower	Upper	
164	100		
162	84.0	68.3	102.5
160	34.7	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 1.04 ng

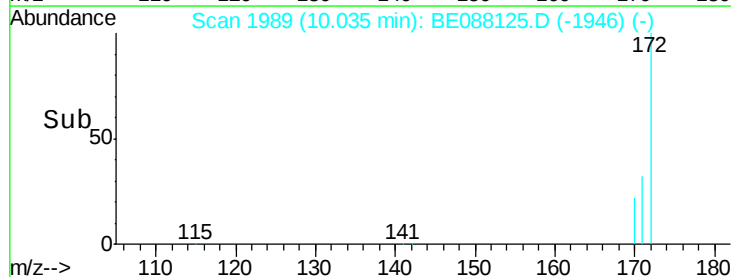
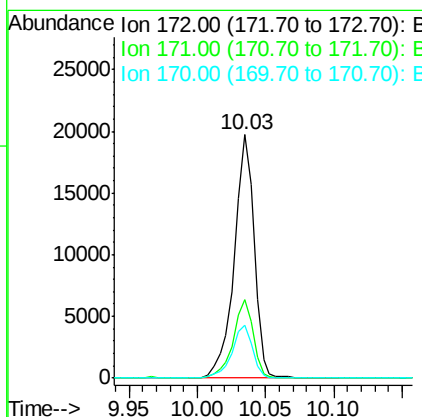
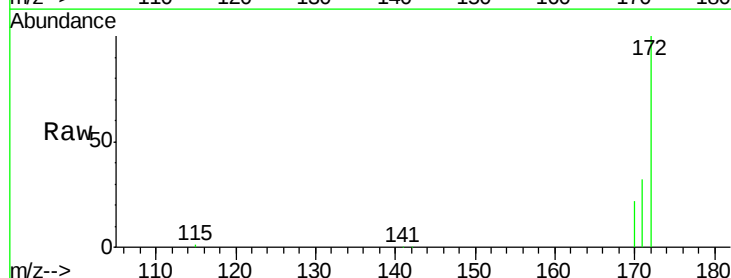
RT: 10.03 min Scan# 1989

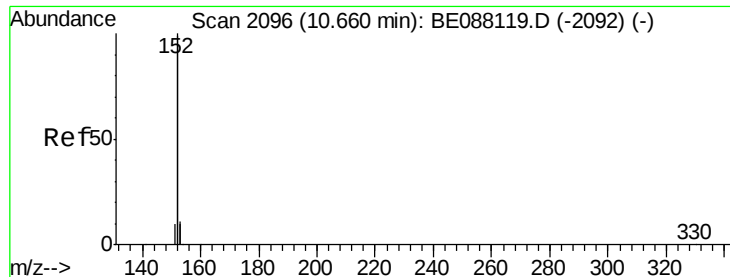
Delta R.T. -0.00 min

Lab File: BE088125.D

Acq: 21 Oct 2014 4:39

Tgt Ion:	172	Resp:	19631
Ion Ratio	Lower	Upper	
172	100		
171	32.0	25.4	38.2
170	21.8	17.4	26.2





#9

Acenaphthylene

Concen: 1.04 ng

RT: 10.66 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE088125.D

Acq: 21 Oct 2014 4:39

Instrument :

BNA_E

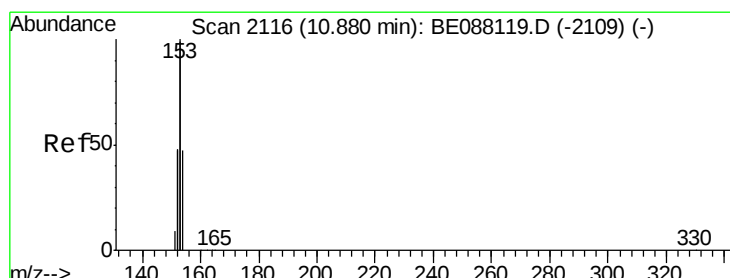
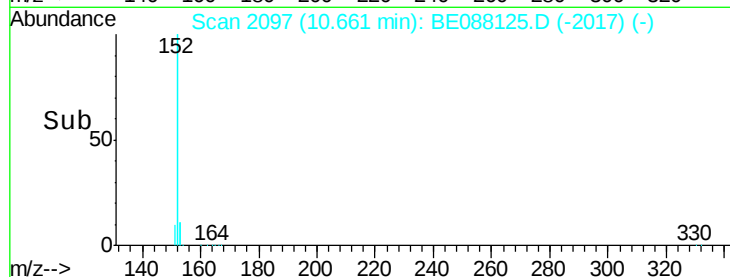
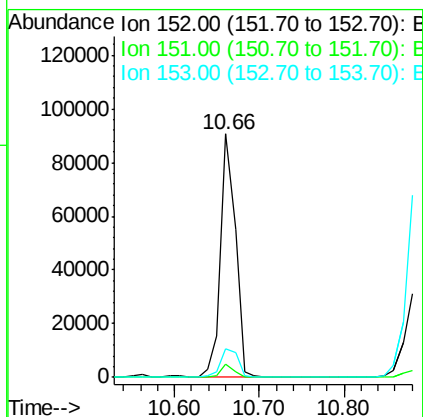
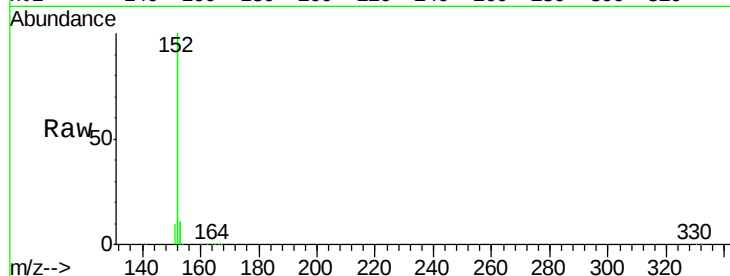
ClientSampleId :

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Tgt Ion:	152	Resp:	108701
Ion Ratio	Lower	Upper	
152	100		
151	4.7	3.7	5.5
153	13.0	10.4	15.6

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#10

Acenaphthene

Concen: 1.02 ng

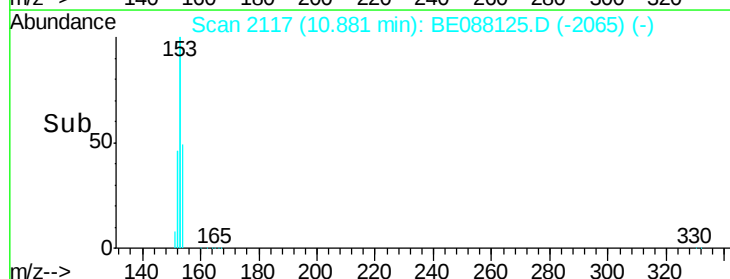
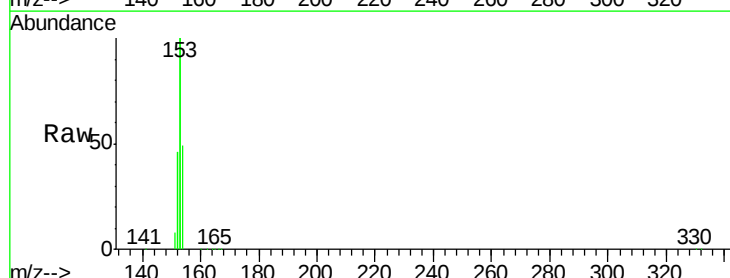
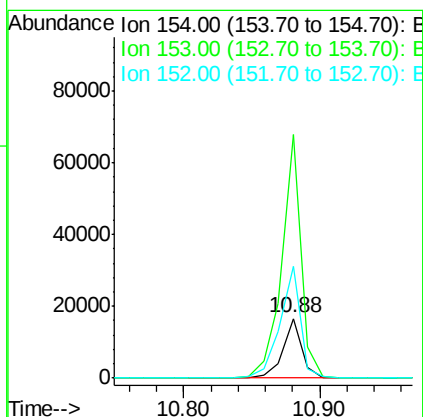
RT: 10.88 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE088125.D

Acq: 21 Oct 2014 4:39

Tgt Ion:	154	Resp:	16456
Ion Ratio	Lower	Upper	
154	100		
153	408.5	327.8	491.6
152	196.0	157.6	236.4





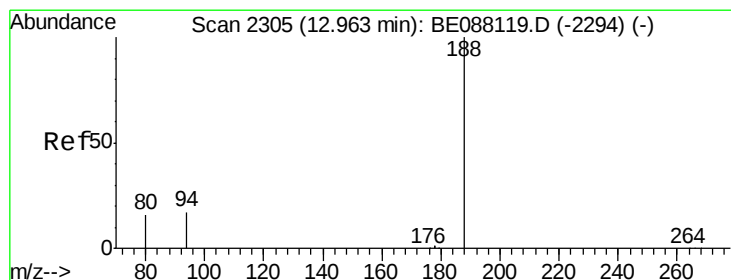
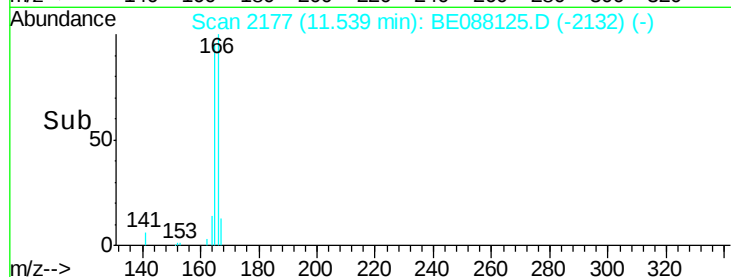
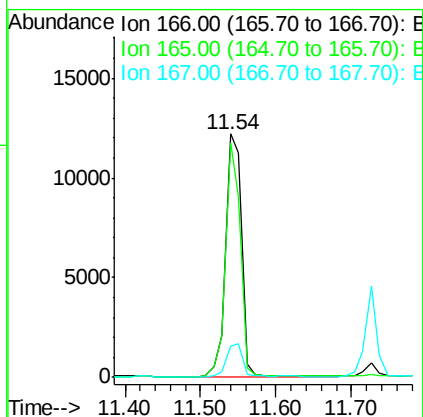
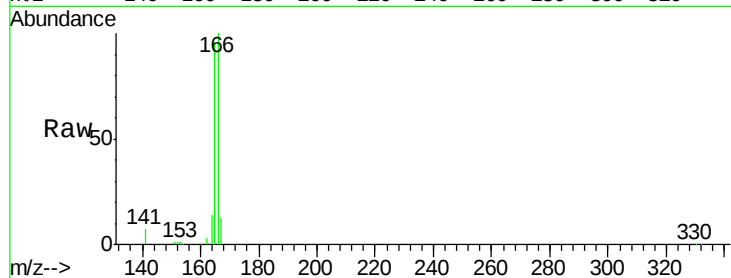
#11
Fluorene
 Concen: 1.03 ng
 RT: 11.54 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: BE088125.D
 Acq: 21 Oct 2014 4:39

Instrument :
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 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.6	71.4	107.2
167	13.5	10.6	16.0

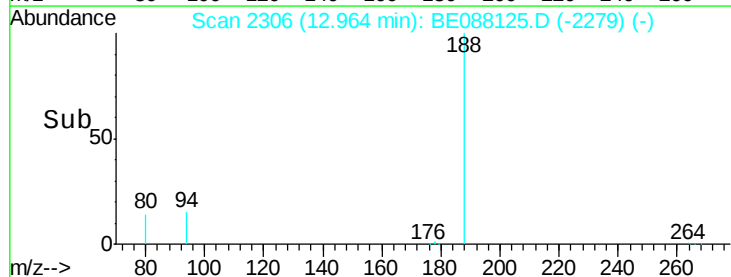
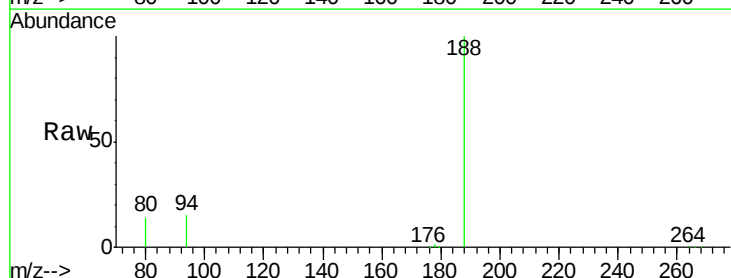
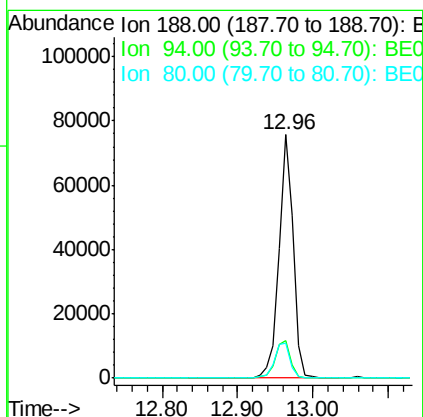
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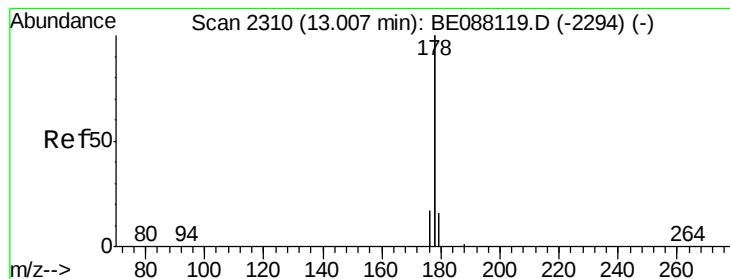
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BE088125.D
 Acq: 21 Oct 2014 4:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.5	13.9	20.9
80	14.2	12.9	19.3





#13

Phenanthrene

Concen: 0.94 ng m

RT: 13.00 min Scan# 2310

Delta R.T. -0.01 min

Lab File: BE088125.D

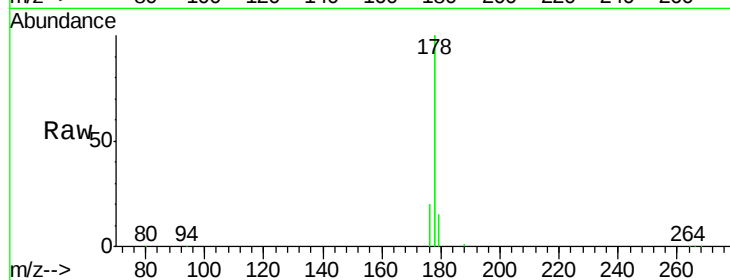
Acq: 21 Oct 2014 4:39

Instrument :

BNA_E

ClientSampleId :

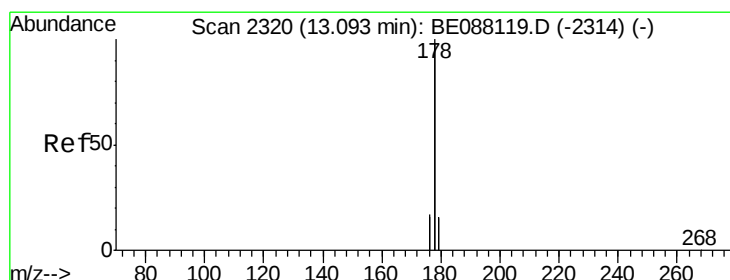
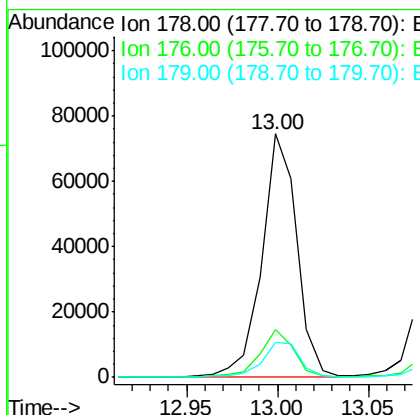
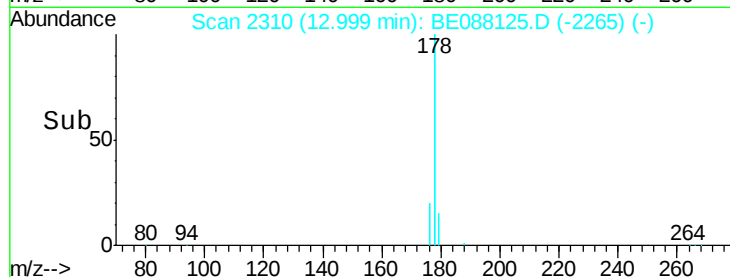
SSTDCCC001



Tgt Ion:	178	Resp:	100417
Ion Ratio	Lower	Upper	
178	100		
176	17.5	12.5	18.7
179	15.1	13.5	20.3

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#14

Anthracene

Concen: 1.01 ng

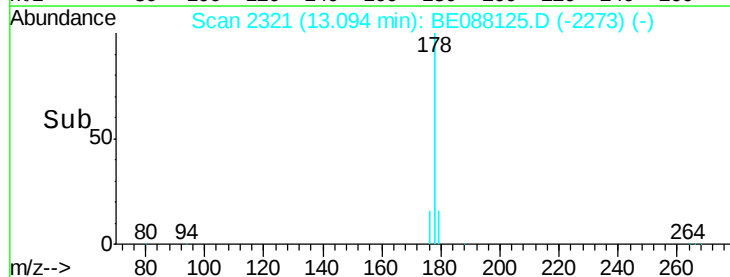
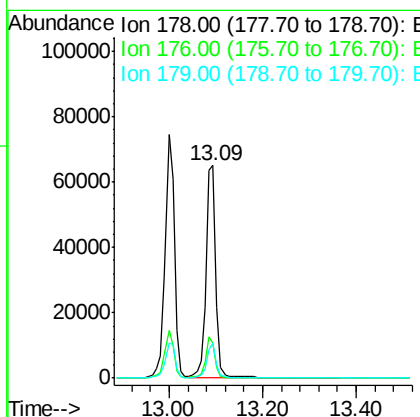
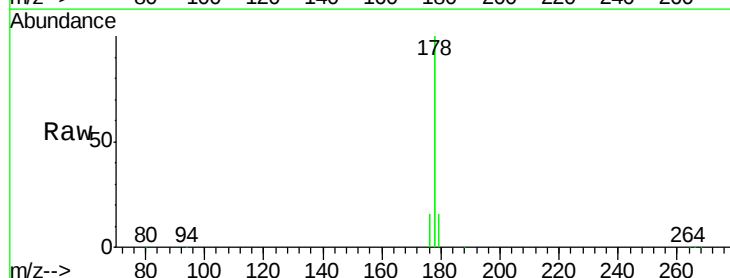
RT: 13.09 min Scan# 2321

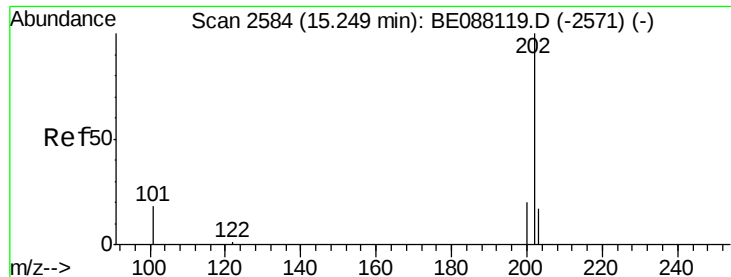
Delta R.T. 0.00 min

Lab File: BE088125.D

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Tgt Ion:	178	Resp:	95850
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.6	21.8
179	15.8	12.5	18.7





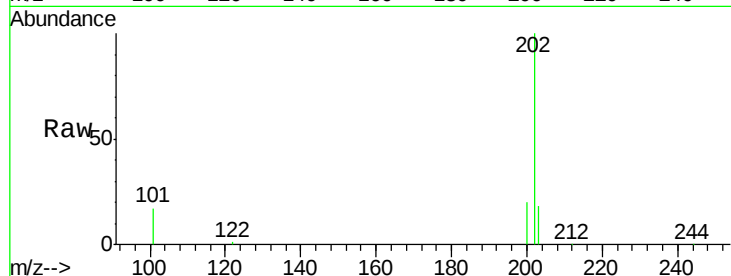
#15
Fluoranthene
Concen: 0.97 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088125.D
Acq: 21 Oct 2014 4:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

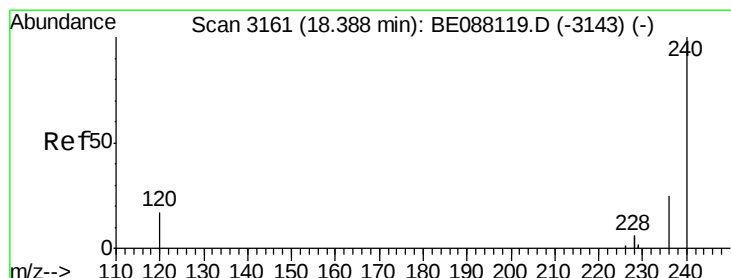
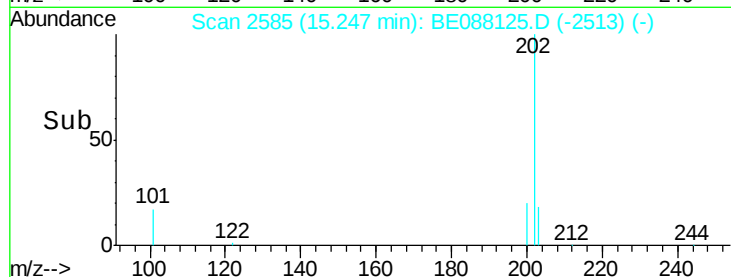
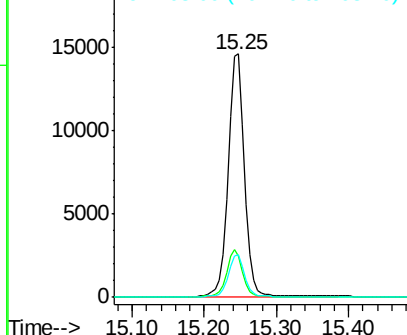
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	22495		
101	18.7	14.8	22.2	
203	17.2	13.5	20.3	

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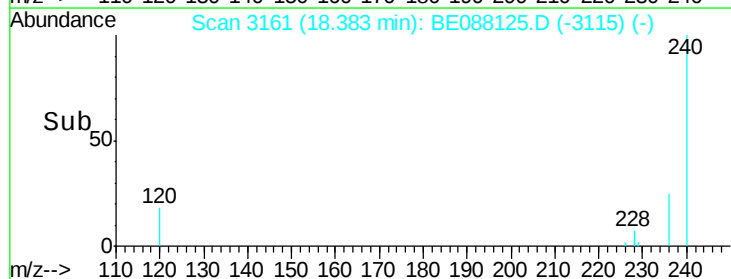
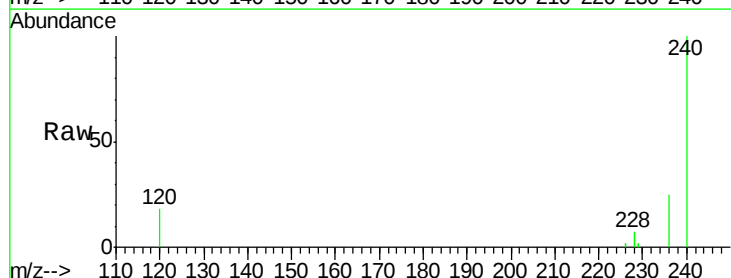
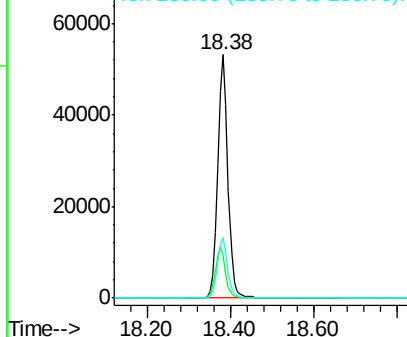
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

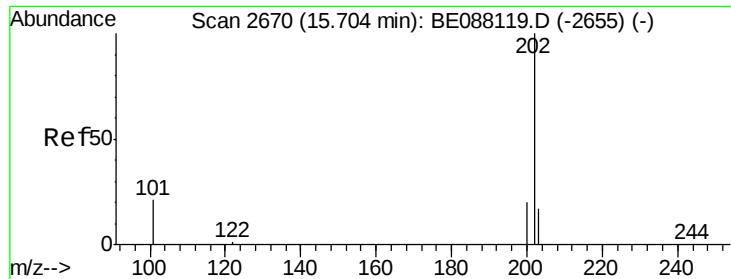


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE088125.D
Acq: 21 Oct 2014 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	89341		
120	17.7	13.9	20.9	
236	25.1	19.9	29.9	

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





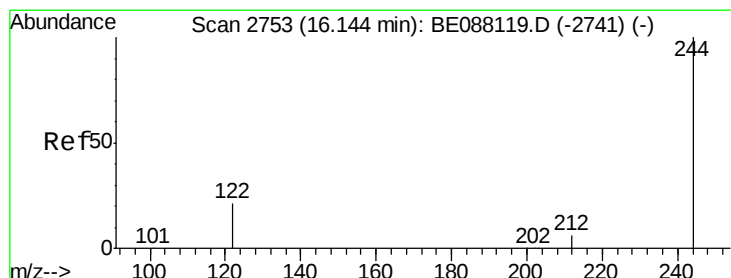
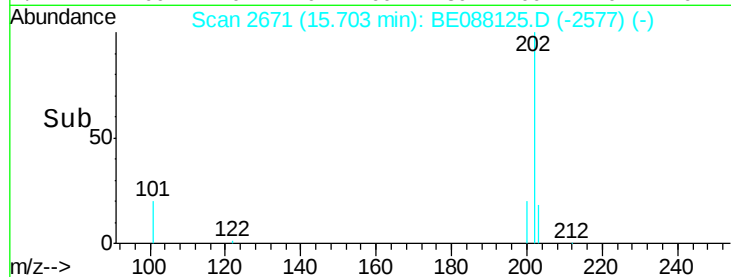
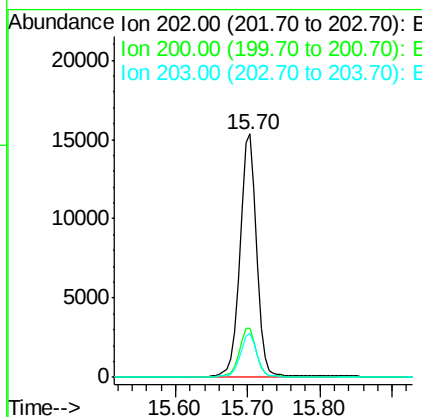
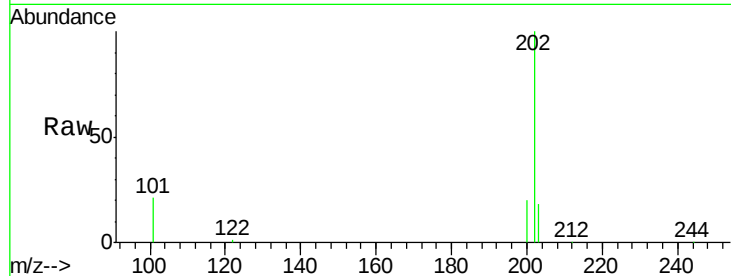
#17
 Pyrene
 Concen: 1.00 ng
 RT: 15.70 min Scan# 2671
 Delta R.T. -0.00 min
 Lab File: BE088125.D
 Acq: 21 Oct 2014 4:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.0	16.1	24.1
203	17.4	13.9	20.9

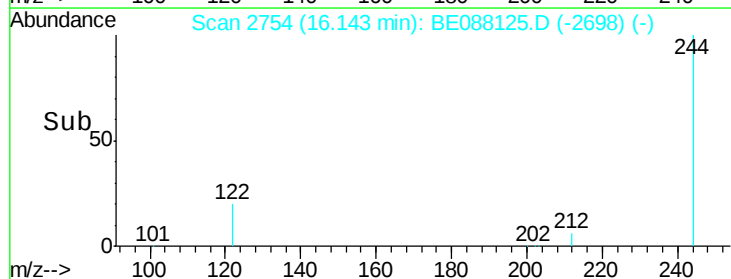
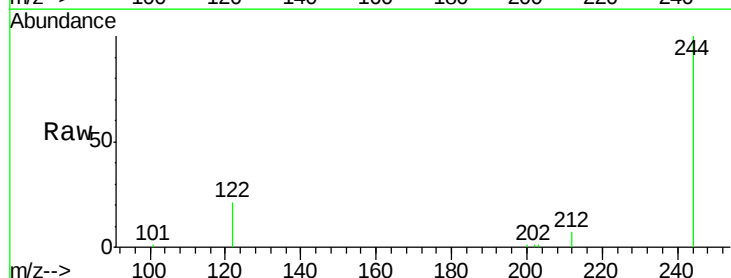
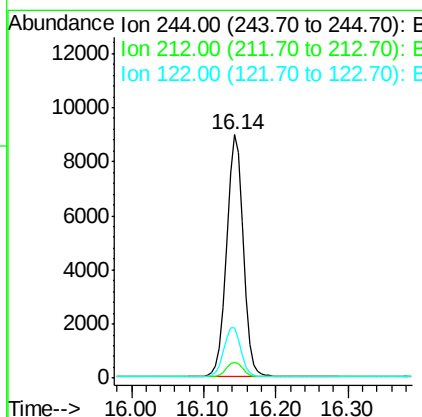
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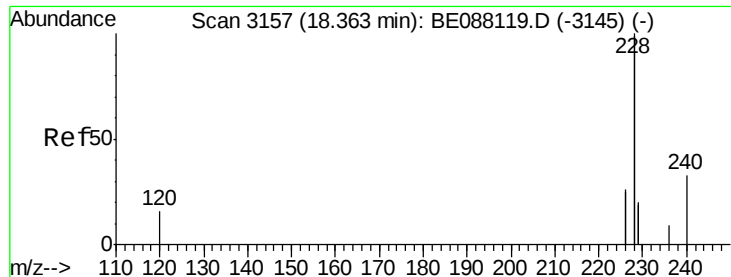
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#18
 Terphenyl-d14
 Concen: 1.00 ng
 RT: 16.14 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE088125.D
 Acq: 21 Oct 2014 4:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	5.4	8.0
122	20.9	17.5	26.3





#19

Benzo(a)anthracene

Concen: 0.95 ng

RT: 18.36 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BE088125.D

Acq: 21 Oct 2014 4:39

Instrument :

BNA_E

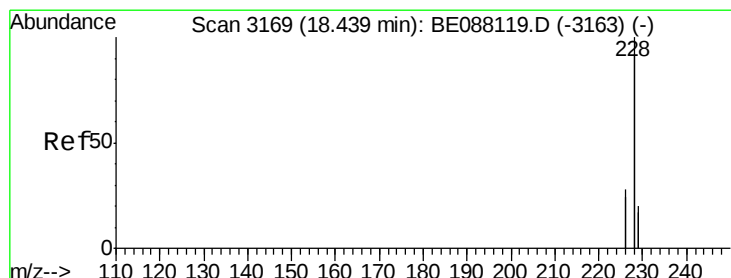
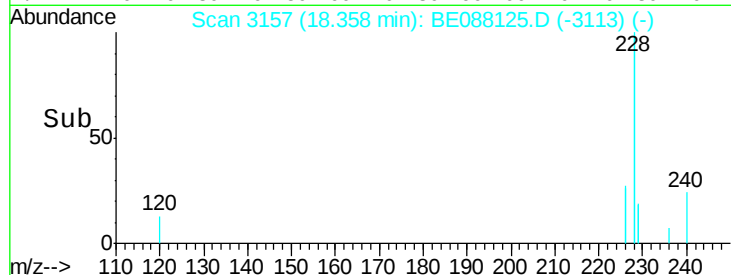
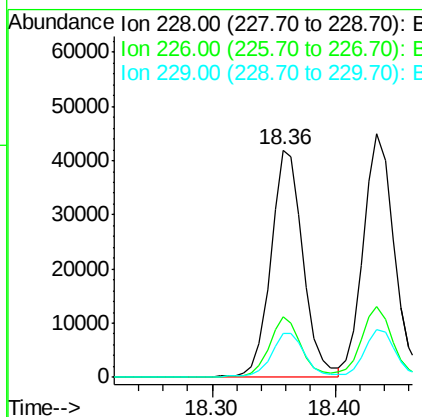
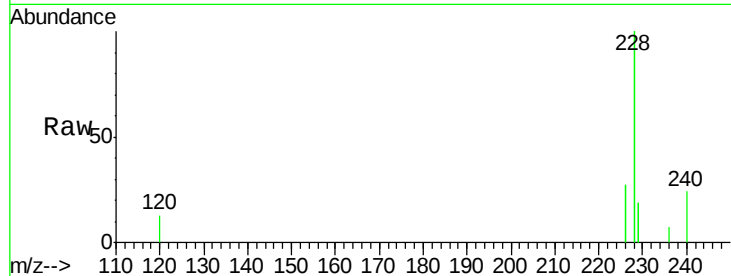
ClientSampleId :

SSTDCCC001

Tgt	Ion	228	Resp:	75581
Ion	Ratio	Lower	Upper	
228	100			
226	26.7	20.8	31.2	
229	19.2	15.6	23.4	

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#20

Chrysene

Concen: 1.00 ng

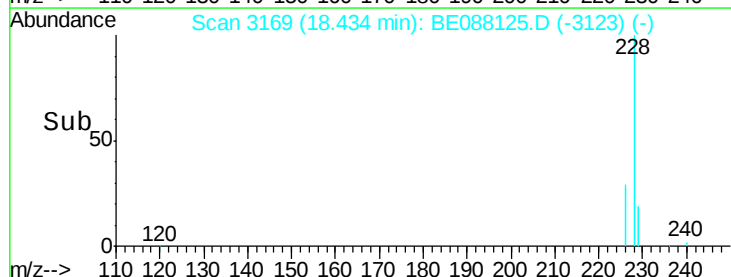
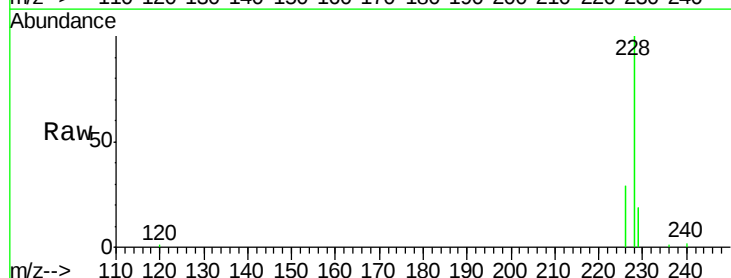
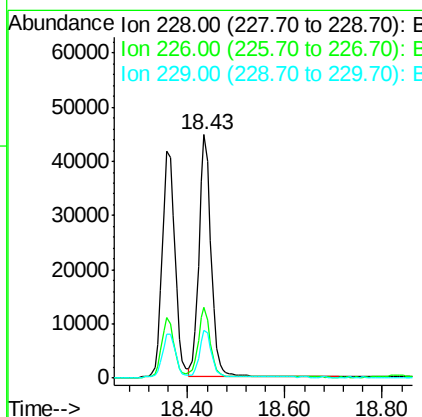
RT: 18.43 min Scan# 3169

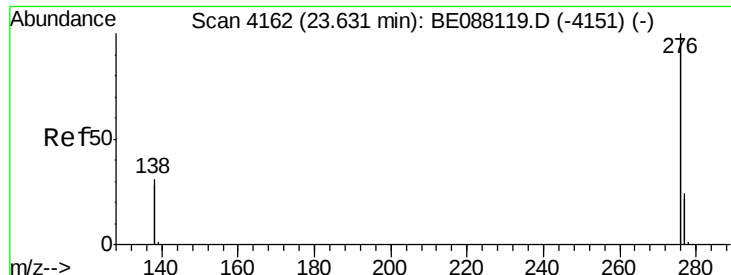
Delta R.T. -0.00 min

Lab File: BE088125.D

Acq: 21 Oct 2014 4:39

Tgt	Ion	228	Resp:	78158
Ion	Ratio	Lower	Upper	
228	100			
226	29.0	22.7	34.1	
229	19.4	15.8	23.6	





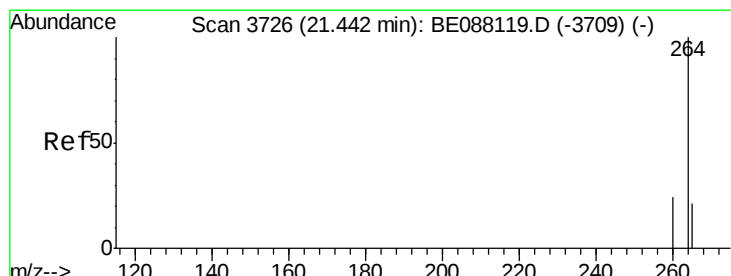
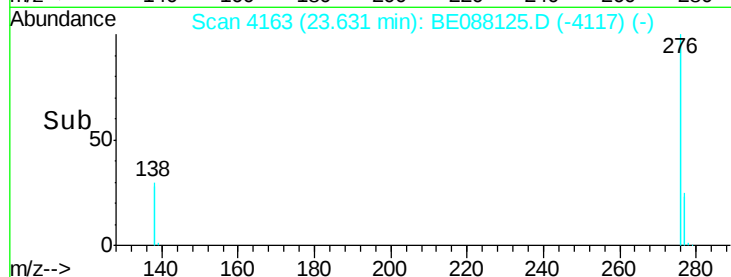
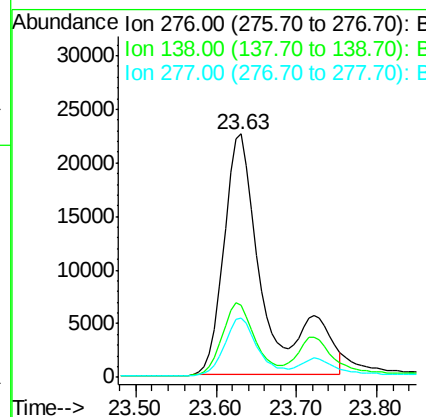
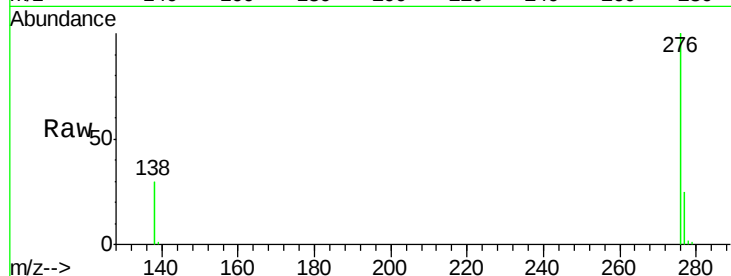
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.92 ng m
RT: 23.63 min Scan# 4163
Delta R.T. -0.00 min
Lab File: BE088125.D
Acq: 21 Oct 2014 4:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.5	27.7
277	19.2	14.6	21.8

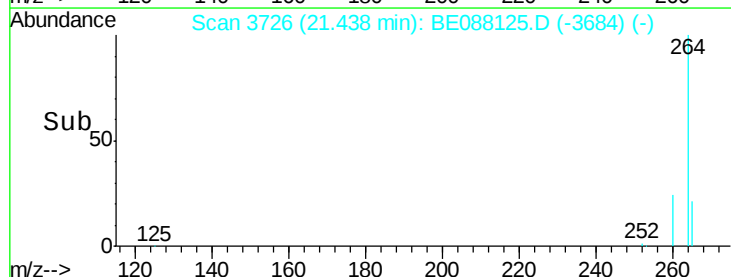
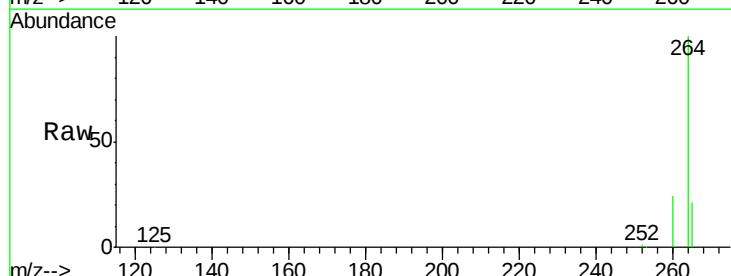
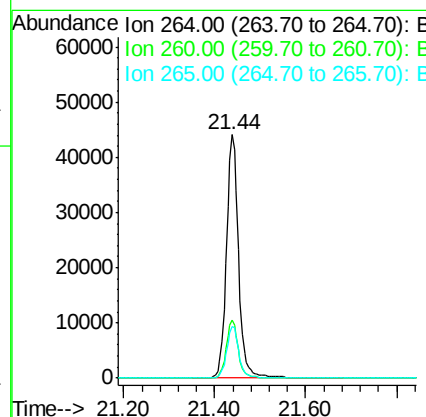
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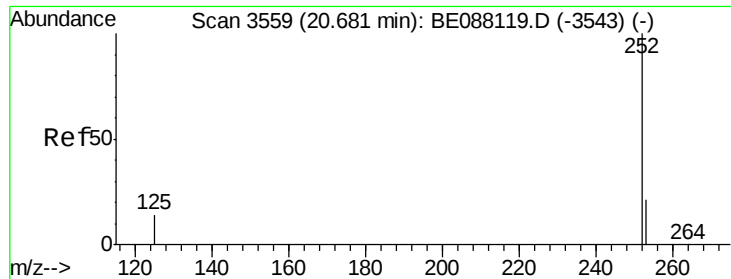
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BE088125.D
Acq: 21 Oct 2014 4:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.4	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 0.97 ng

RT: 20.68 min Scan# 3559

Delta R.T. -0.00 min

Lab File: BE088125.D

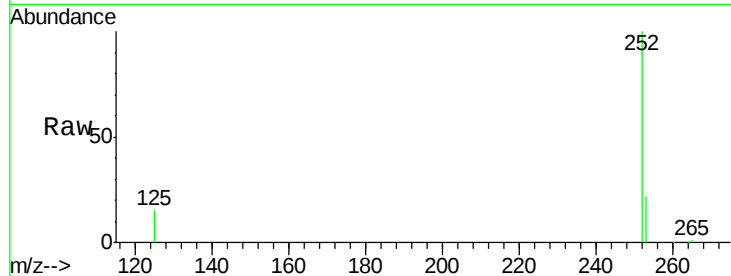
Acq: 21 Oct 2014 4:39

Instrument :

BNA_E

ClientSampleId :

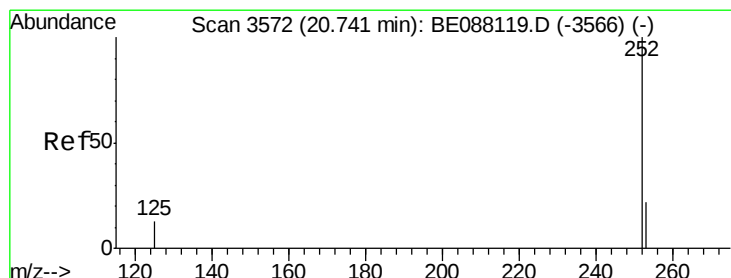
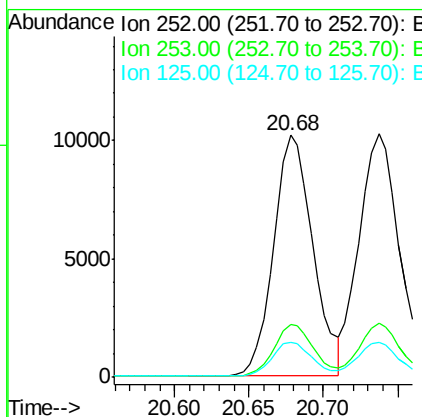
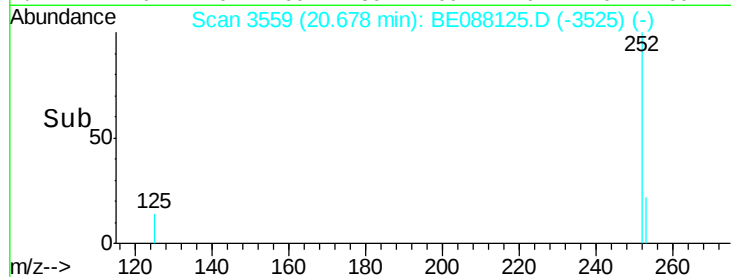
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	14.7	11.8	17.8

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#24

Benzo(k)fluoranthene

Concen: 0.99 ng

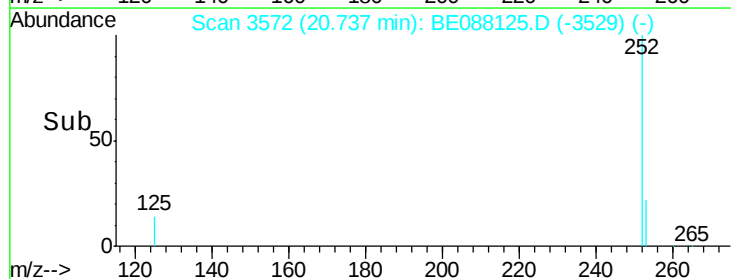
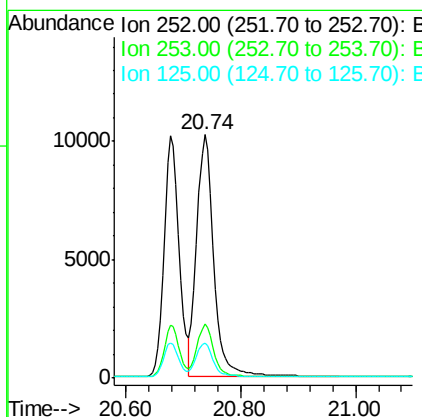
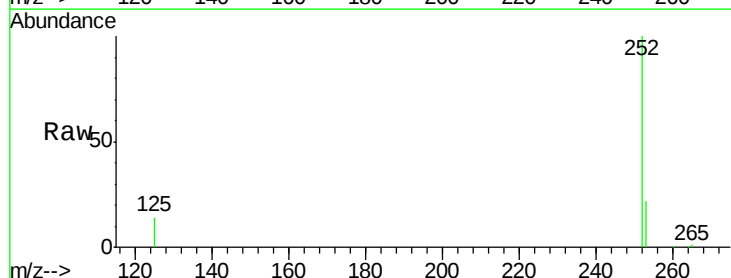
RT: 20.74 min Scan# 3572

Delta R.T. -0.00 min

Lab File: BE088125.D

Acq: 21 Oct 2014 4:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	14.4	11.5	17.3





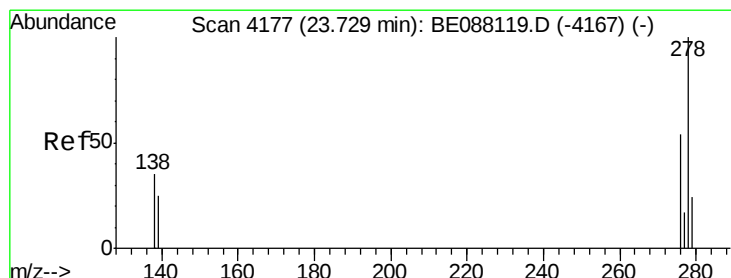
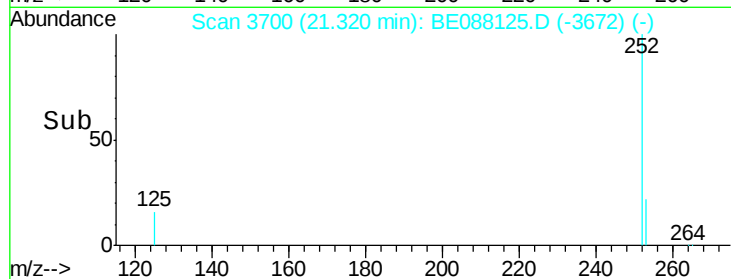
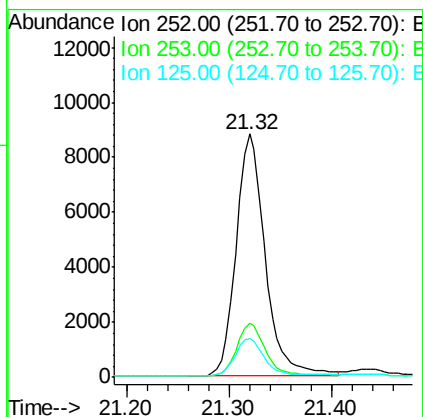
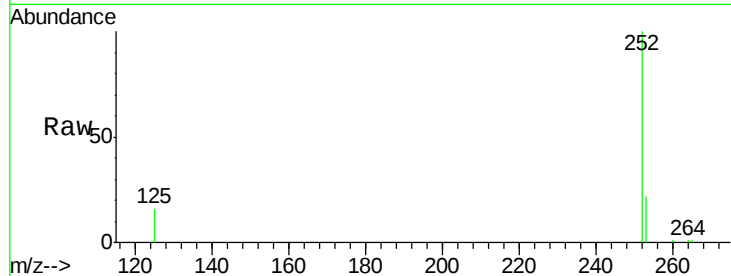
#25
Benzo(a)pyrene
Concen: 0.97 ng
RT: 21.32 min Scan# 3700
Delta R.T. -0.00 min
Lab File: BE088125.D
Acq: 21 Oct 2014 4:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	16.1	13.0	19.6

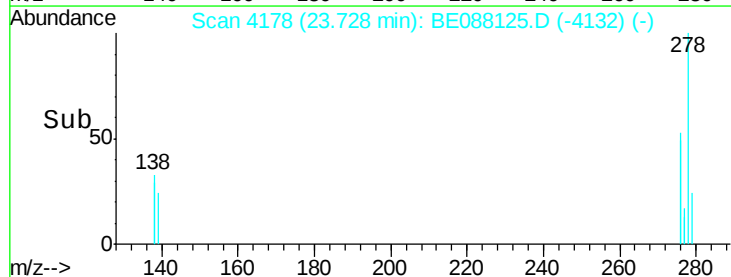
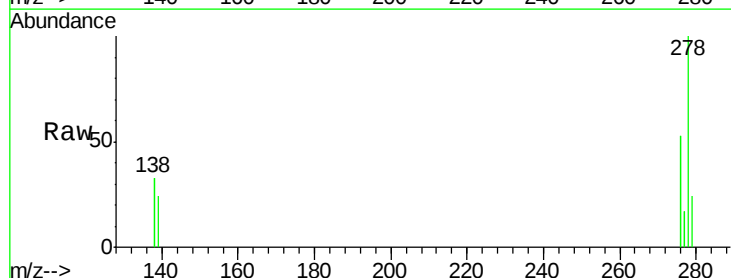
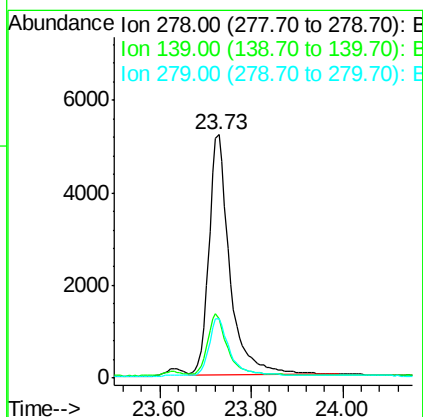
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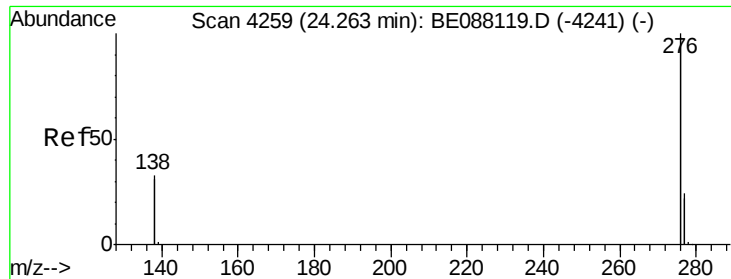
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#26
Dibenzo(a,h)anthracene
Concen: 0.94 ng
RT: 23.73 min Scan# 4178
Delta R.T. -0.00 min
Lab File: BE088125.D
Acq: 21 Oct 2014 4:39

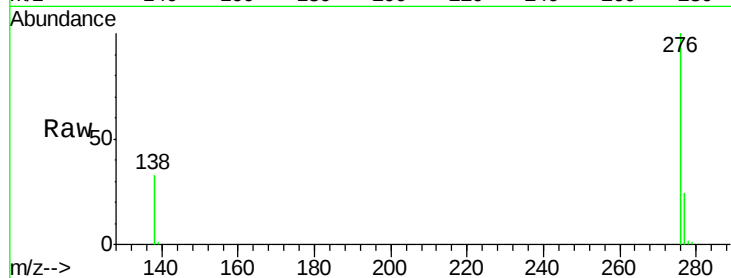
Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.3	20.9	31.3
279	24.4	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 0.95 ng
 RT: 24.26 min Scan# 4259
 Delta R.T. -0.01 min
 Lab File: BE088125.D
 Acq: 21 Oct 2014 4:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.9	19.2	28.8
138	33.3	26.6	40.0

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