

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120914\
 Data File : BE089190.D
 Acq On : 9 Dec 2014 17:03
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

mohammad
 12/10/2014 4:31:36 PM

Quant Time: Dec 10 00:56:23 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE120514.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 08 00:50:53 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	22750	5.00	ng	-0.02
3) Naphthalene-d8	8.51	136	88603	5.00	ng	-0.02
7) Acenaphthene-d10	10.66	164	43046	5.00	ng	-0.01
12) Phenanthrene-d10	12.72	188	63988	5.00	ng	-0.02
17) Chrysene-d12	18.07	240	42223	5.00	ng	-0.02
23) Perylene-d12	21.11	264	37462	5.00	ng	-0.03
System Monitoring Compounds						
4) Nitrobenzene-d5	7.64	82	7028	1.08	ng	-0.02
8) 2-Fluorobiphenyl	9.85	172	12699	1.07	ng	-0.01
19) Terphenyl-d14	15.85	244	8222	1.09	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.19	88	2890	1.02	ng	100
5) Naphthalene	8.54	128	19487	1.04	ng	98
6) 2-Methylnaphthalene	9.39	142	12562	1.10	ng	98
9) Acenaphthylene	10.47	152	73744	1.08	ng	100
10) Acenaphthene	10.69	154	11069	1.06	ng	97
11) Fluorene	11.34	166	11943	1.07	ng	99
13) Pentachlorophenol	12.44	266	902	0.93	ng	98
14) Phenanthrene	12.75	178	64087	1.05	ng	100
15) Anthracene	12.84	178	64398	1.07	ng	100
16) Fluoranthene	14.96	202	13511	1.03	ng	100
18) Pyrene	15.40	202	14165	1.09	ng	100
20) Benzo(a)anthracene	18.04	228	40393	1.03	ng	99
21) Chrysene	18.12	228	41366	1.05	ng	99
22) Indeno(1,2,3-cd)pyrene	23.20	276	37352m	1.08	ng	
24) Benzo(b)fluoranthene	20.36	252	8479	1.07	ng	100
25) Benzo(k)fluoranthene	20.42	252	9829	1.05	ng	99
26) Benzo(a)pyrene	21.00	252	8172	1.06	ng	99
27) Dibenzo(a,h)anthracene	23.29	278	7368	1.11	ng	99
28) Benzo(g,h,i)perylene	23.78	276	34157	1.07	ng	99

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

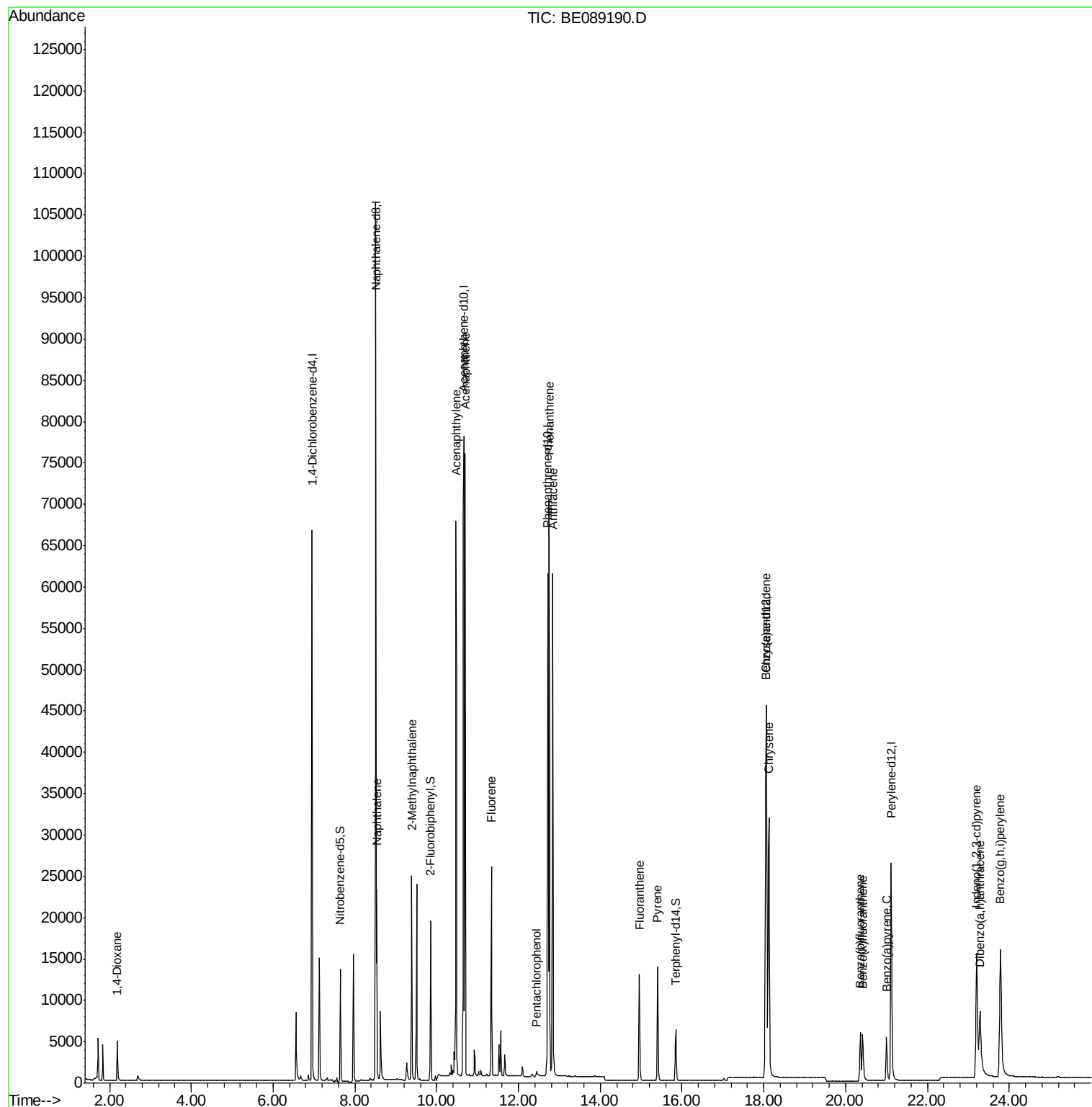
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120914\
Data File : BE089190.D
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Misc :
ALS Vial : 2 Sample Multiplier: 1

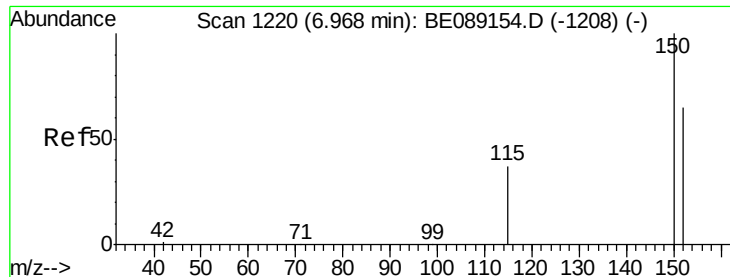
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE120514.M
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QLast Update : Mon Dec 08 00:50:53 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. -0.02 min

Lab File: BE089190.D

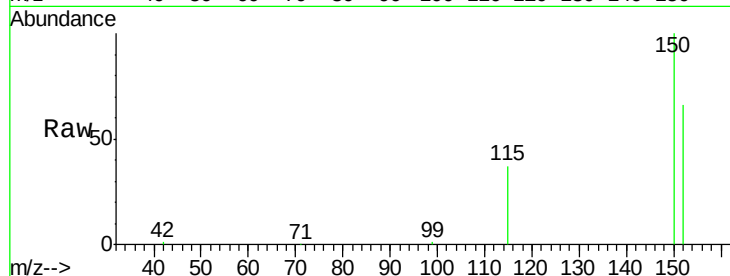
Acq: 9 Dec 2014 17:03

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 22750

Ion Ratio Lower Upper

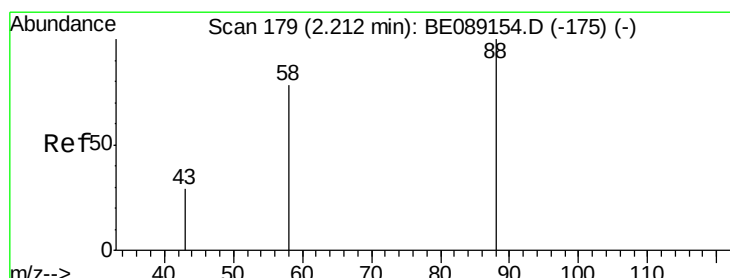
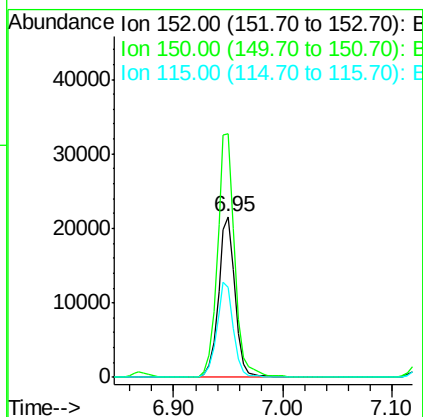
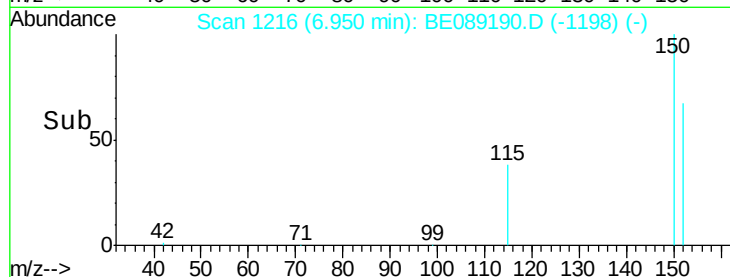
152 100

150 151.6 124.0 186.0

115 55.9 46.0 69.0

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#2

1,4-Dioxane

Concen: 1.02 ng

RT: 2.19 min Scan# 174

Delta R.T. -0.02 min

Lab File: BE089190.D

Acq: 9 Dec 2014 17:03

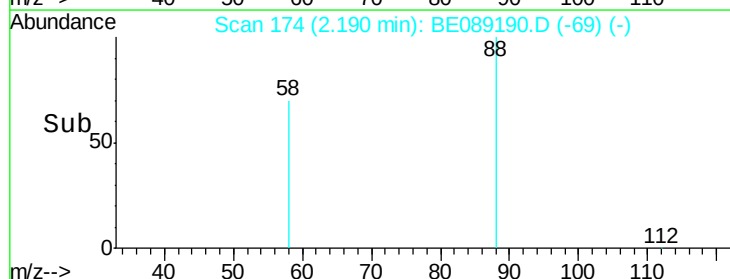
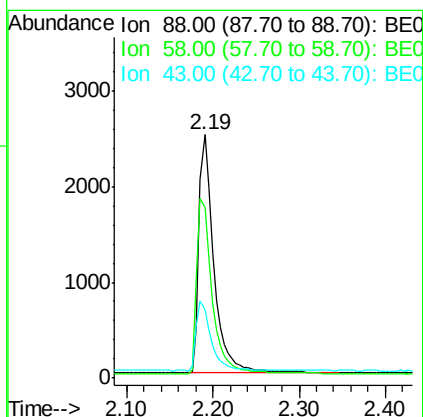
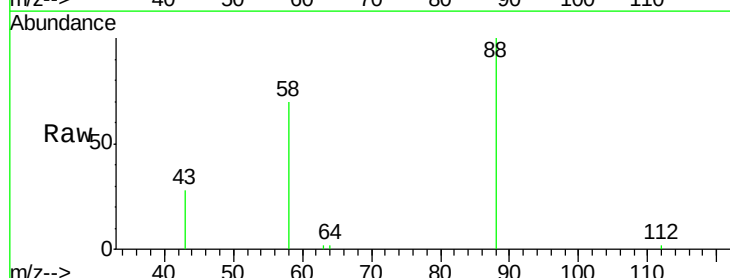
Tgt Ion: 88 Resp: 2890

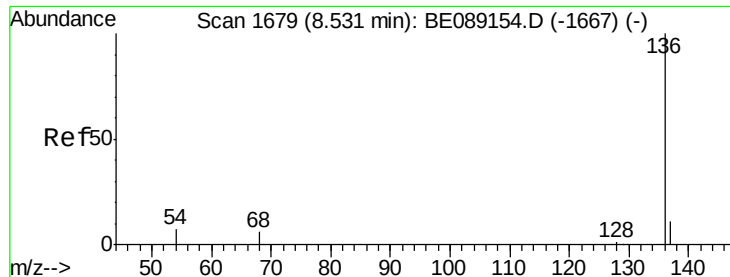
Ion Ratio Lower Upper

88 100

58 76.0 60.7 91.1

43 28.7 23.3 34.9





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1675

Delta R.T. -0.02 min

Lab File: BE089190.D

Acq: 9 Dec 2014 17:03

Instrument :

BNA_E

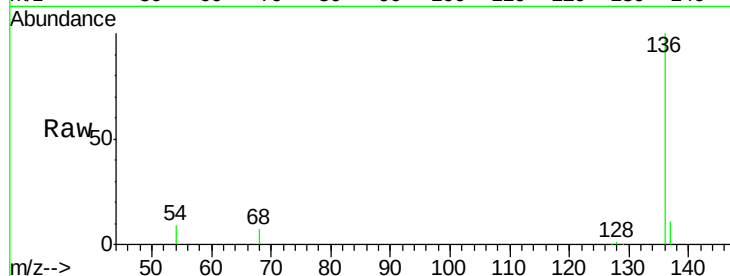
ClientSampleId :

SSTDCCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.8	8.8	13.2
54	8.7	5.8	8.6

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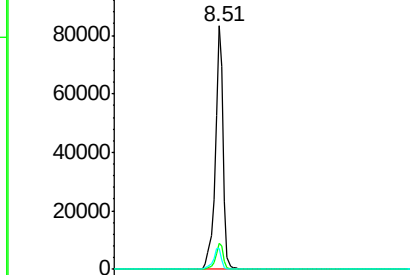
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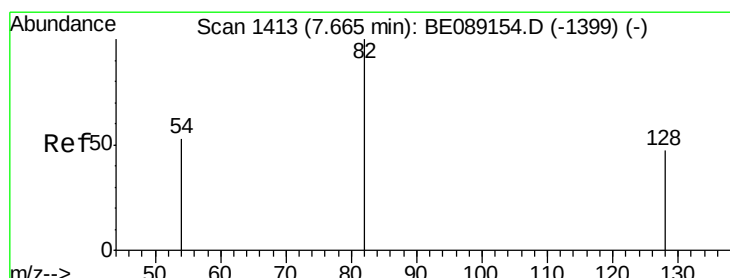
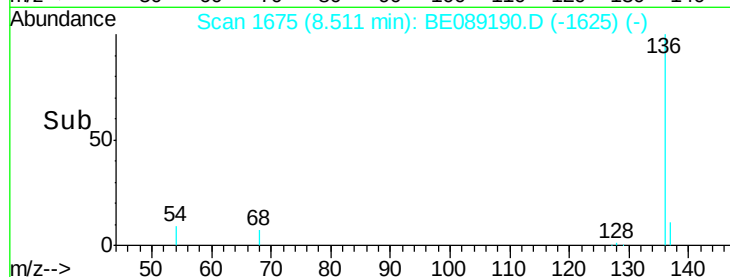
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#4

Nitrobenzene-d5

Concen: 1.08 ng

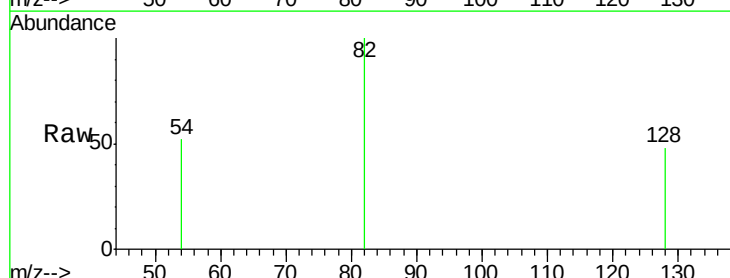
RT: 7.64 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BE089190.D

Acq: 9 Dec 2014 17:03

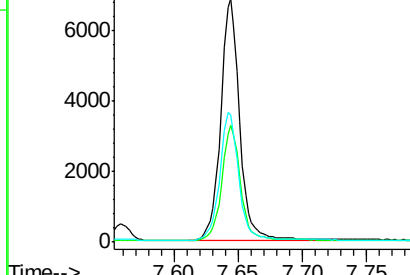
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	48.0	37.8	56.6
54	52.0	43.0	64.4



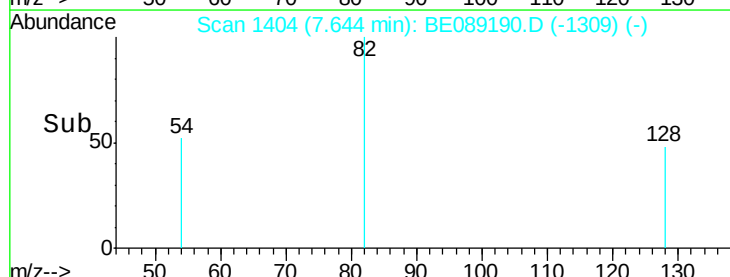
Abundance Ion 82.00 (81.70 to 82.70): BE0

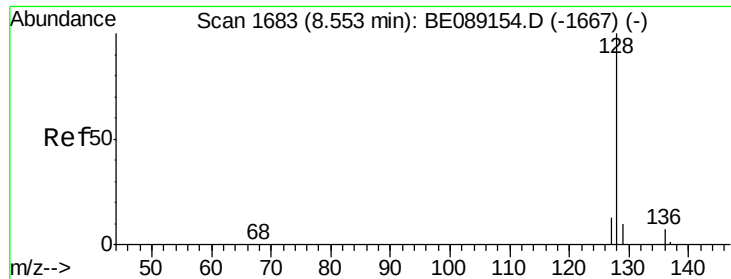
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#5

Naphthalene

Concen: 1.04 ng

RT: 8.54 min Scan# 1680

Delta R.T. -0.02 min

Lab File: BE089190.D

Acq: 9 Dec 2014 17:03

Instrument :

BNA_E

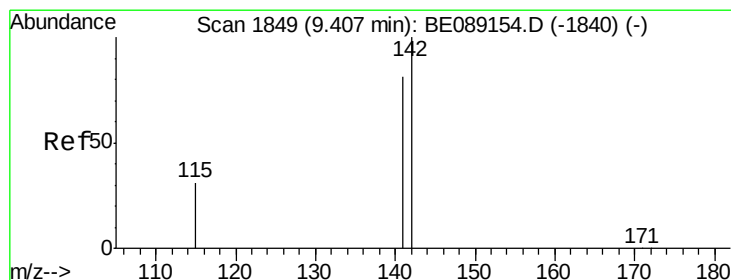
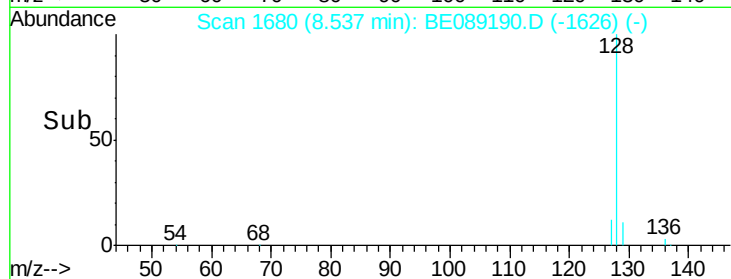
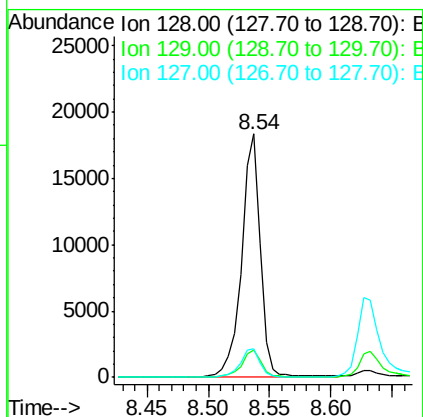
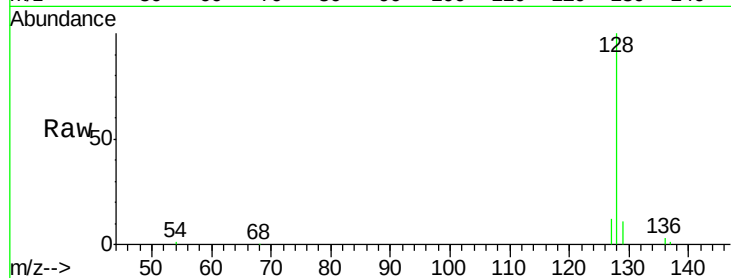
ClientSampleId :

SSTDCCC001

Tgt Ion:	128	Resp:	19487
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.6	12.8
127	11.9	10.3	15.5

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#6

2-Methylnaphthalene

Concen: 1.10 ng

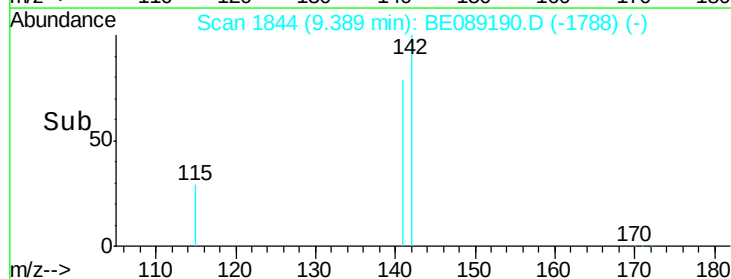
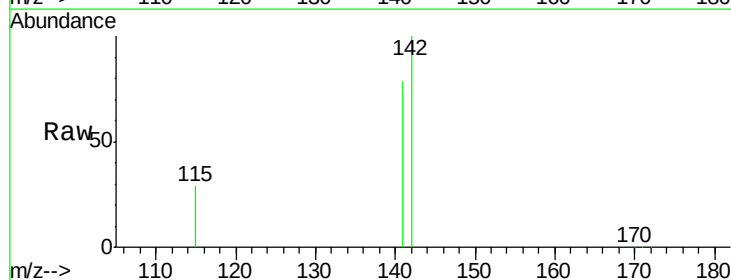
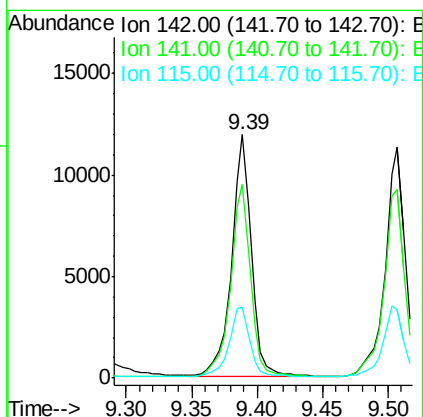
RT: 9.39 min Scan# 1844

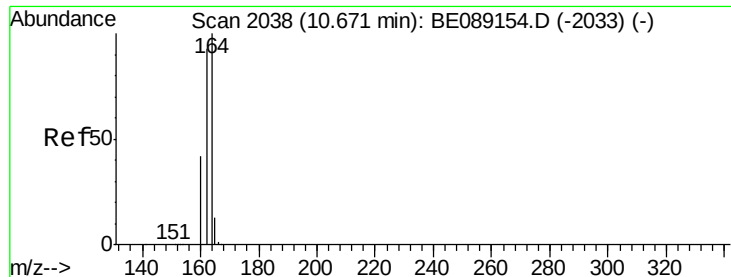
Delta R.T. -0.02 min

Lab File: BE089190.D

Acq: 9 Dec 2014 17:03

Tgt Ion:	142	Resp:	12562
Ion Ratio	Lower	Upper	
142	100		
141	79.4	64.2	96.4
115	29.2	24.7	37.1





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.66 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BE089190.D

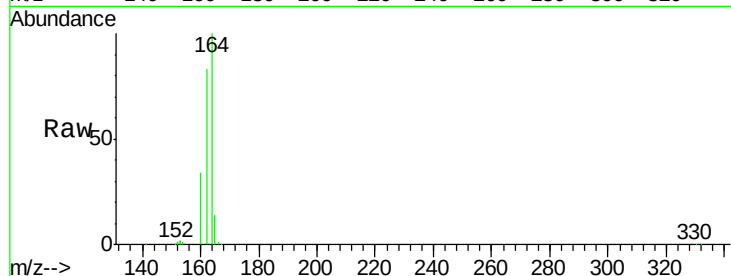
Acq: 9 Dec 2014 17:03

Instrument :

BNA_E

ClientSampleId :

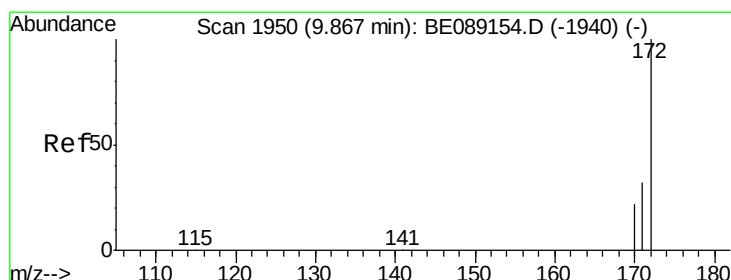
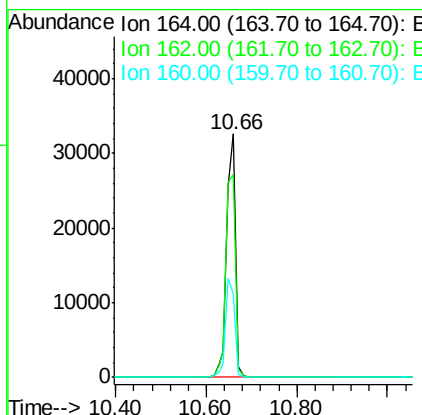
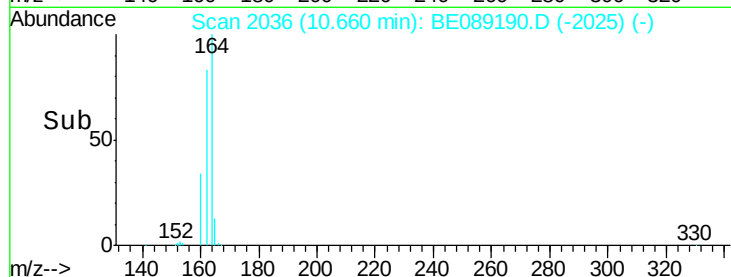
SSTDCCC001



Tgt Ion:	164	Resp:	43046
Ion Ratio	Lower	Upper	
164	100		
162	83.4	74.2	111.2
160	34.1	33.7	50.5

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#8

2-Fluorobiphenyl

Concen: 1.07 ng

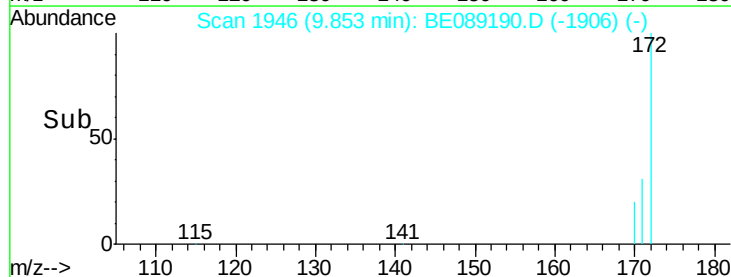
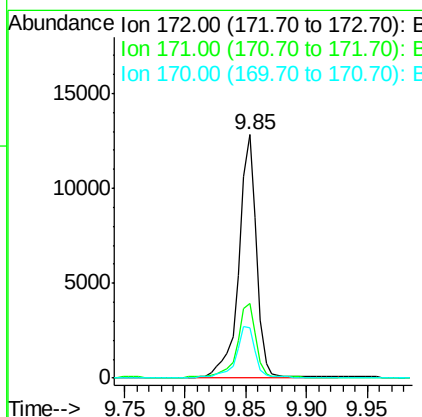
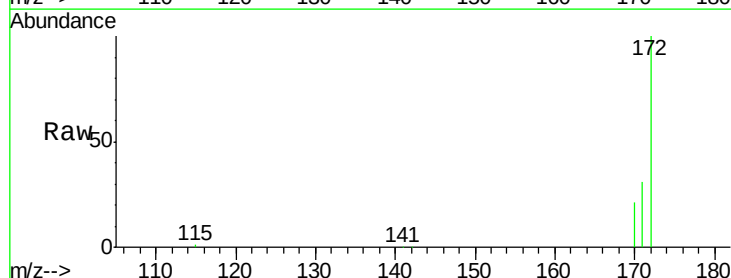
RT: 9.85 min Scan# 1946

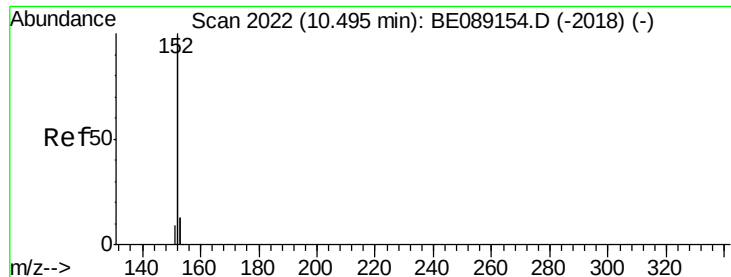
Delta R.T. -0.01 min

Lab File: BE089190.D

Acq: 9 Dec 2014 17:03

Tgt Ion:	172	Resp:	12699
Ion Ratio	Lower	Upper	
172	100		
171	30.9	26.0	39.0
170	20.6	18.0	27.0





#9

Acenaphthylene

Concen: 1.08 ng

RT: 10.47 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BE089190.D

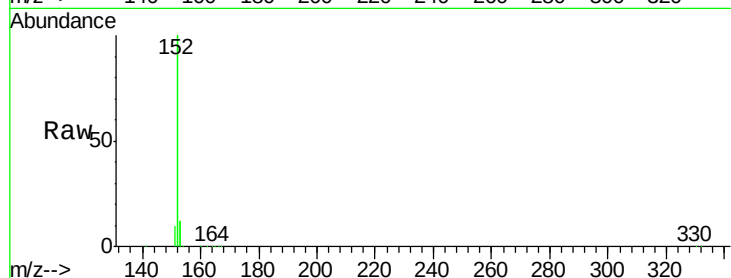
Acq: 9 Dec 2014 17:03

Instrument :

BNA_E

ClientSampleId :

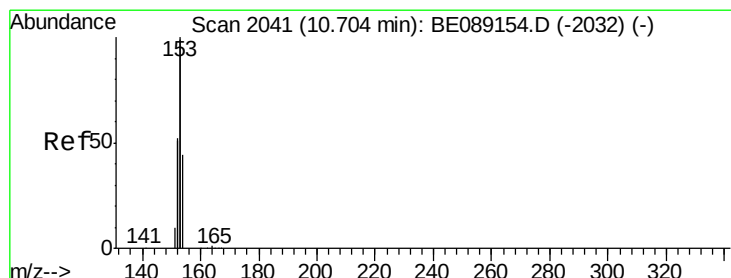
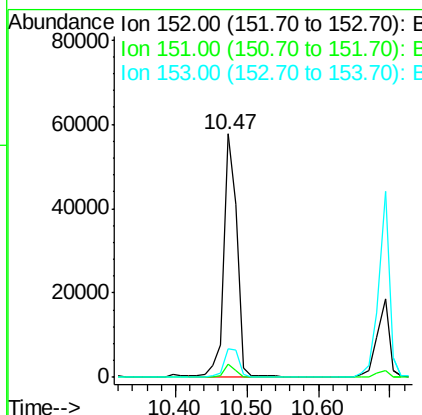
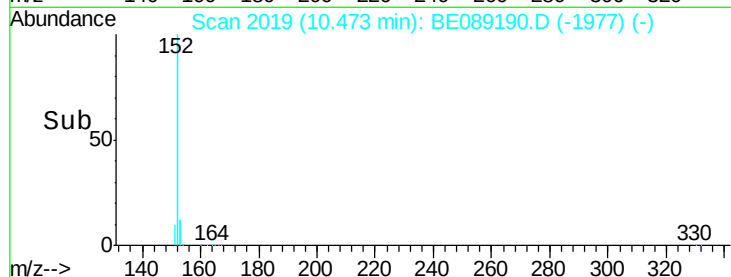
SSTDCCC001



Tgt Ion:	152	Resp:	73744
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.0	10.4	15.6

Manual Integrations
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#10

Acenaphthene

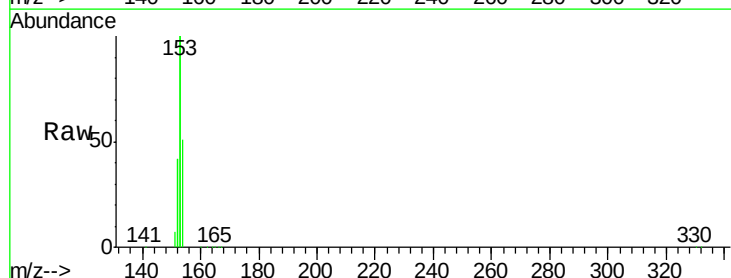
Concen: 1.06 ng

RT: 10.69 min Scan# 2039

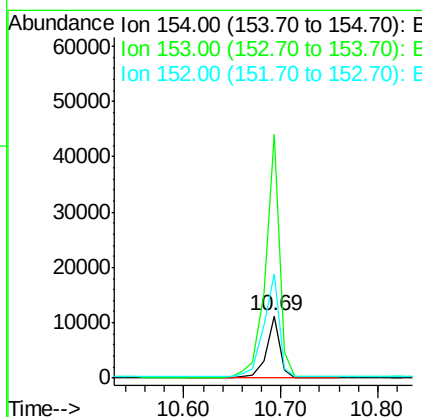
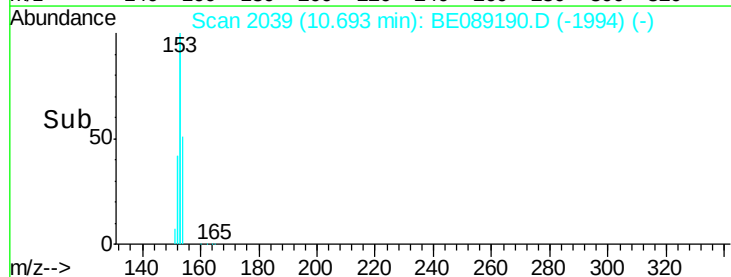
Delta R.T. -0.01 min

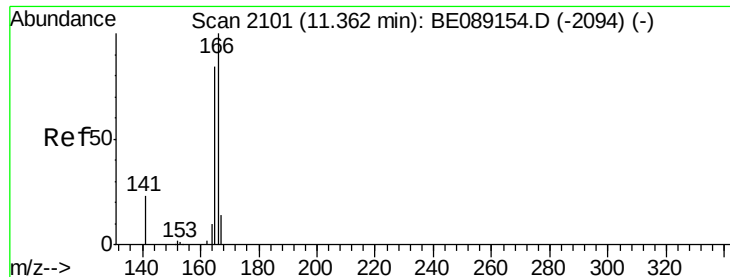
Lab File: BE089190.D

Acq: 9 Dec 2014 17:03



Tgt Ion:	154	Resp:	11069
Ion Ratio	Lower	Upper	
154	100		
153	402.4	325.8	488.6
152	187.9	157.4	236.0





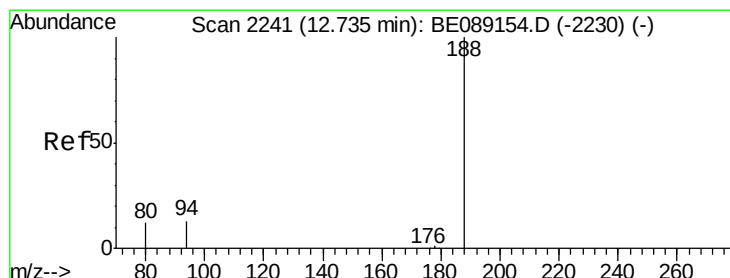
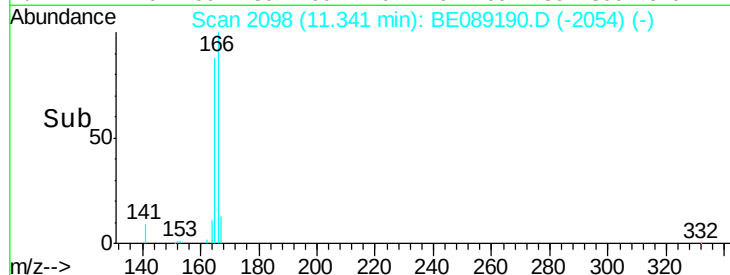
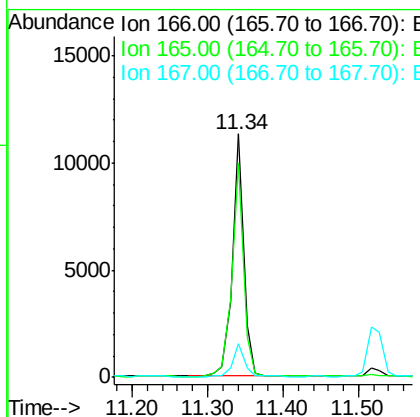
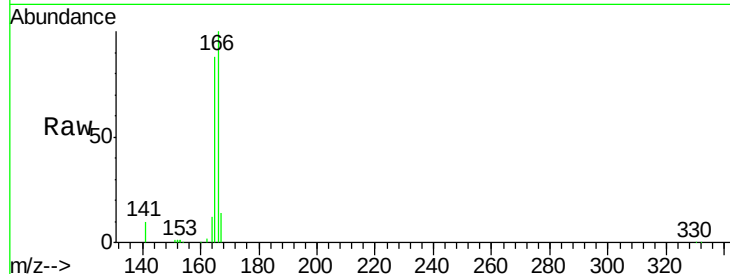
#11
Fluorene
Concen: 1.07 ng
RT: 11.34 min Scan# 2098
Delta R.T. -0.02 min
Lab File: BE089190.D
Acq: 9 Dec 2014 17:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.3	72.2	108.2
167	13.3	10.9	16.3

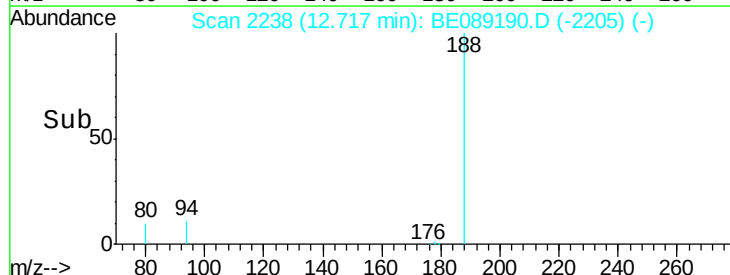
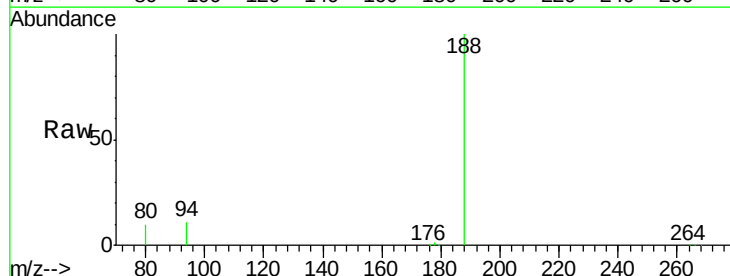
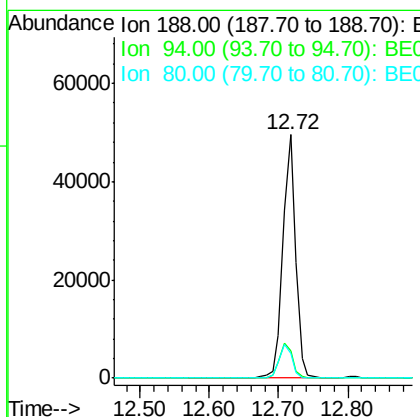
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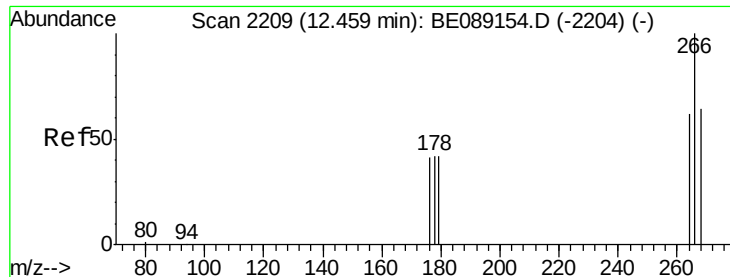
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#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BE089190.D
Acq: 9 Dec 2014 17:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	10.6	16.0
80	10.0	9.9	14.9





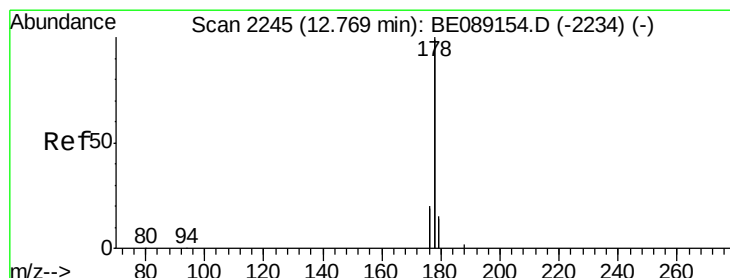
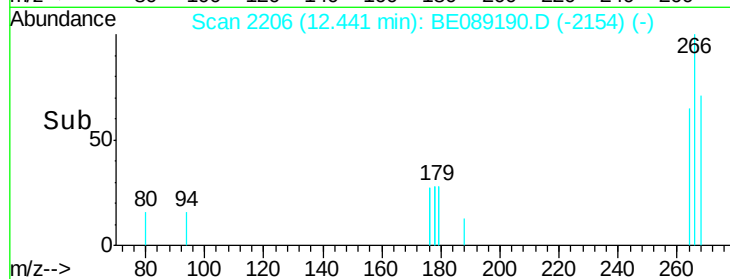
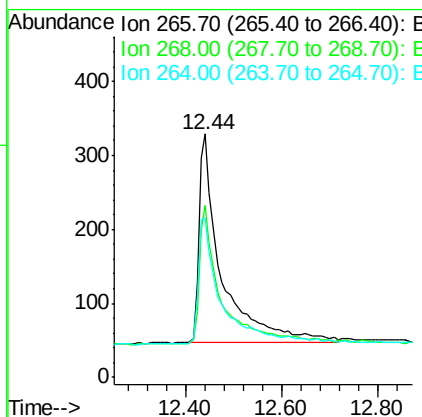
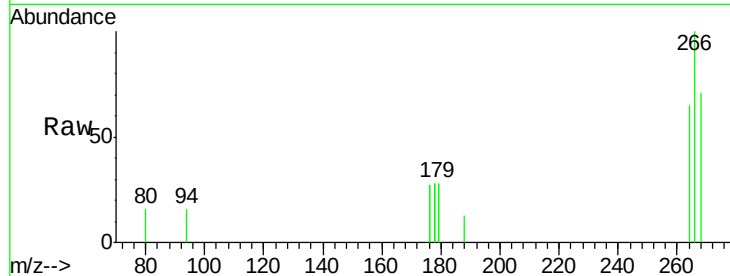
#13
 Pentachlorophenol
 Concen: 0.93 ng
 RT: 12.44 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE089190.D
 Acq: 9 Dec 2014 17:03

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
266	100		
268	70.5	56.1	84.1
264	65.3	55.1	82.7

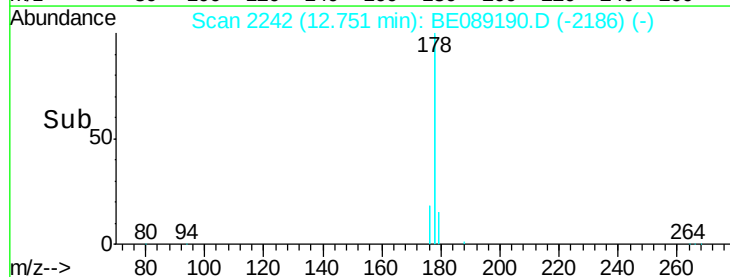
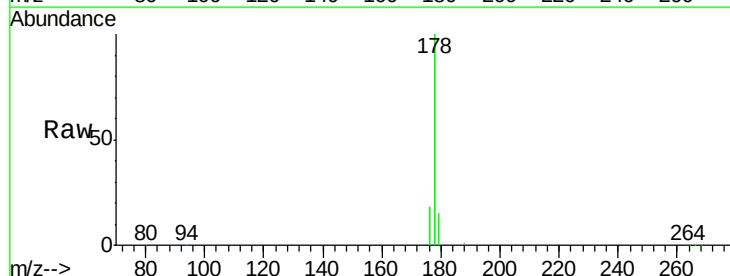
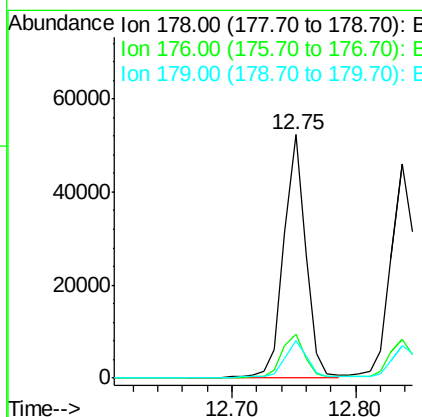
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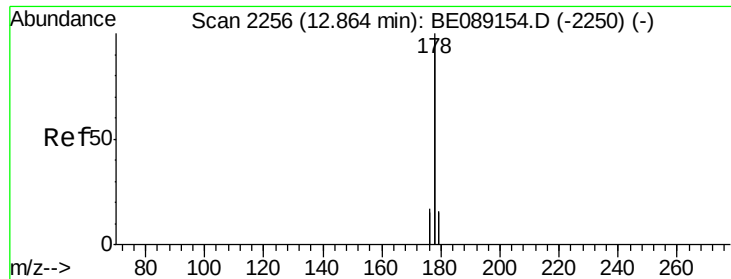
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#14
 Phenanthrene
 Concen: 1.05 ng
 RT: 12.75 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BE089190.D
 Acq: 9 Dec 2014 17:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.5	12.2	18.4





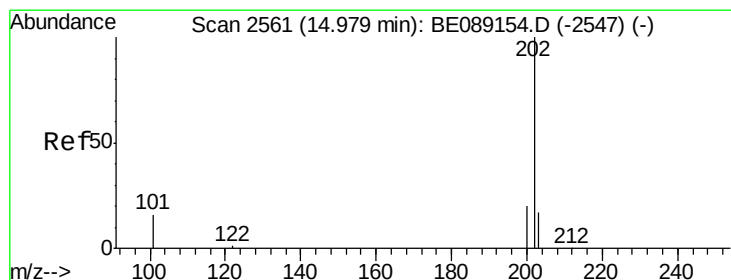
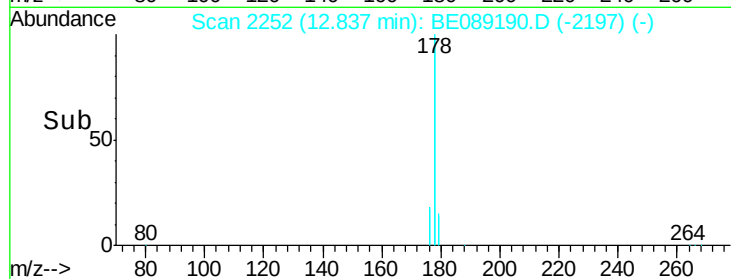
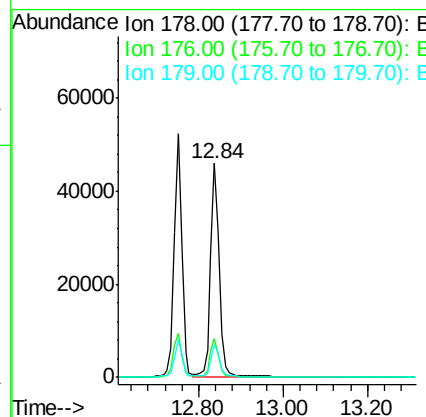
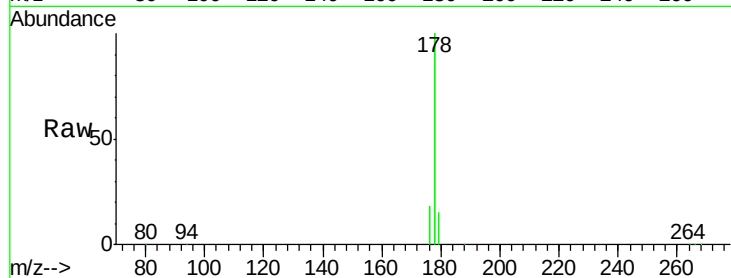
#15
 Anthracene
 Concen: 1.07 ng
 RT: 12.84 min Scan# 2252
 Delta R.T. -0.03 min
 Lab File: BE089190.D
 Acq: 9 Dec 2014 17:03

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion:178 Resp: 64398
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.2 21.2
 179 15.0 12.1 18.1

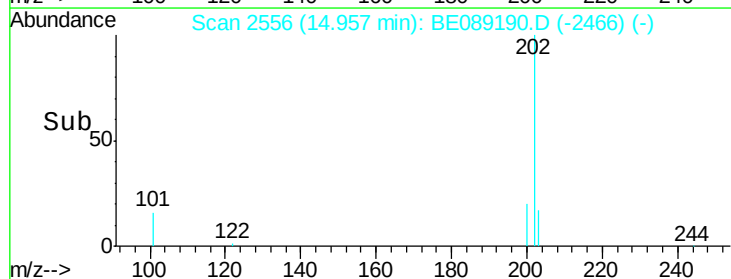
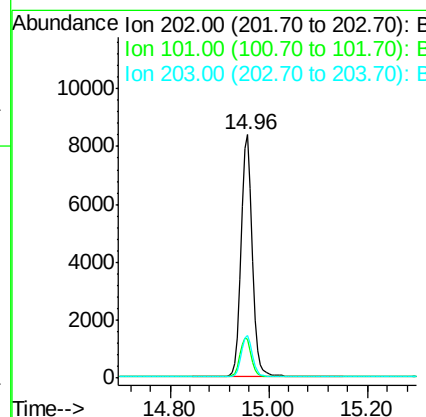
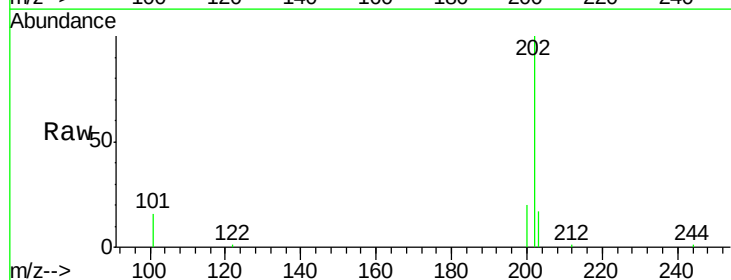
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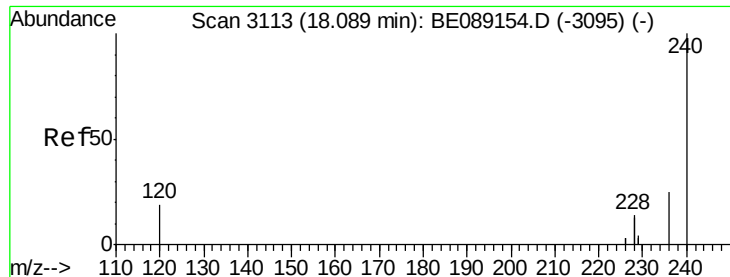
mohammad
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#16
 Fluoranthene
 Concen: 1.03 ng
 RT: 14.96 min Scan# 2556
 Delta R.T. -0.02 min
 Lab File: BE089190.D
 Acq: 9 Dec 2014 17:03

Tgt Ion:202 Resp: 13511
 Ion Ratio Lower Upper
 202 100
 101 16.6 13.3 19.9
 203 17.1 13.7 20.5





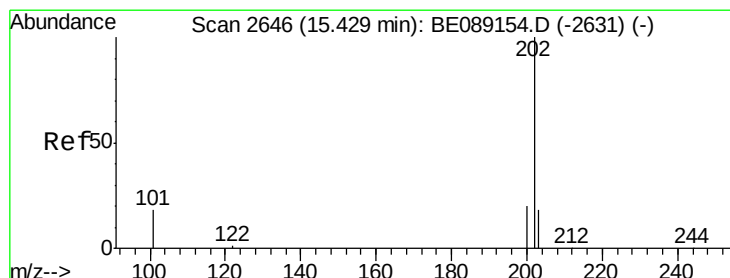
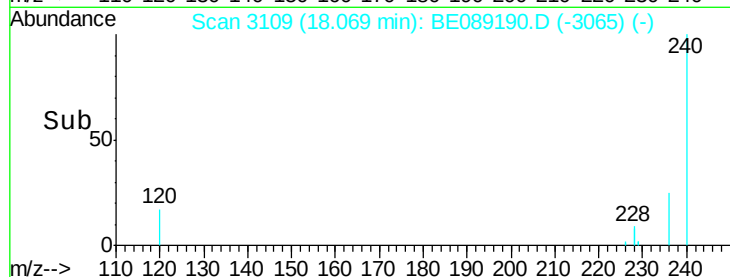
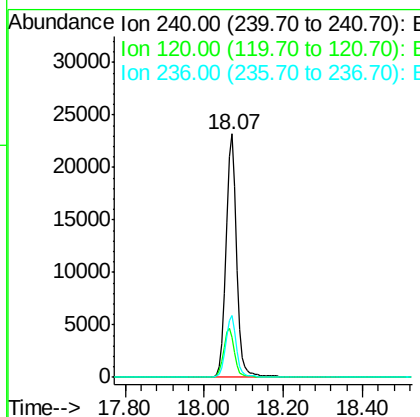
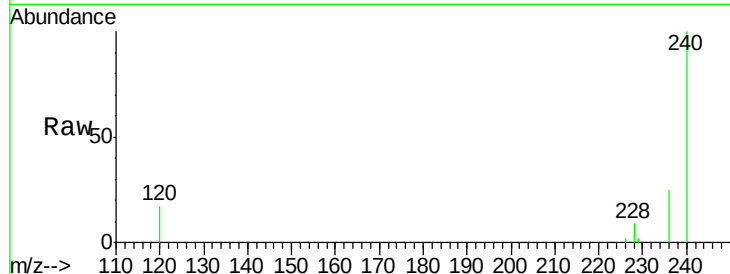
#17
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3109
Delta R.T. -0.02 min
Lab File: BE089190.D
Acq: 9 Dec 2014 17:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.7	15.5	23.3
236	25.3	20.3	30.5

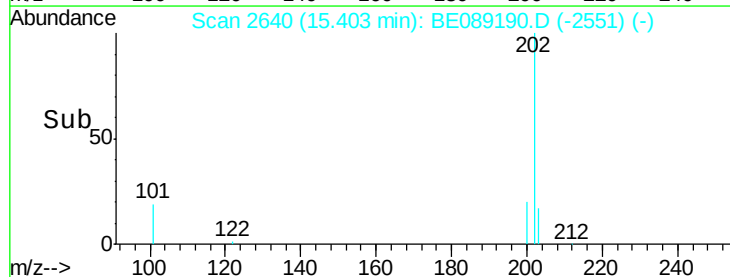
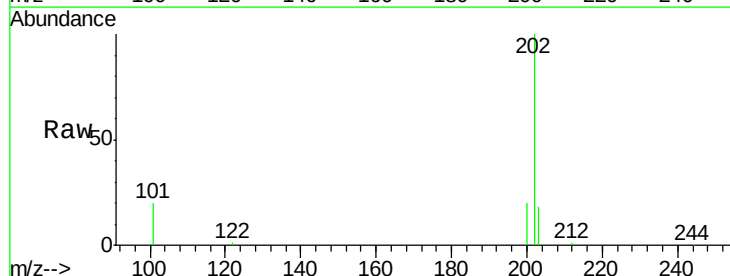
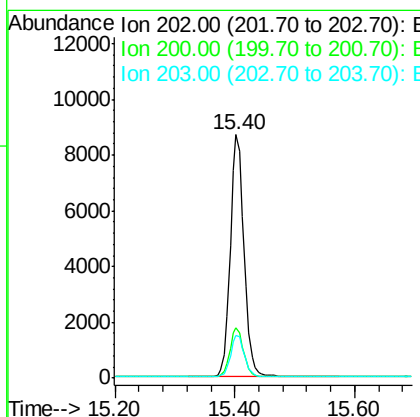
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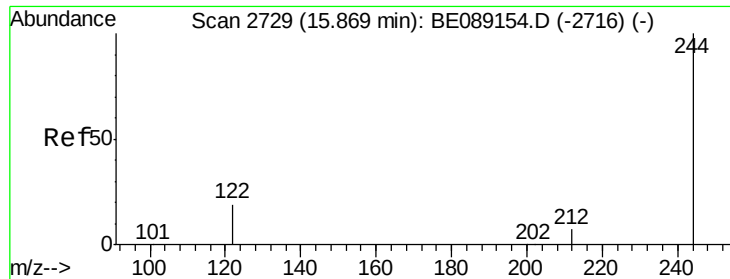
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#18
Pyrene
Concen: 1.09 ng
RT: 15.40 min Scan# 2640
Delta R.T. -0.03 min
Lab File: BE089190.D
Acq: 9 Dec 2014 17:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.2
203	17.2	14.0	21.0





#19

Terphenyl-d14

Concen: 1.09 ng

RT: 15.85 min Scan# 2724

Delta R.T. -0.02 min

Lab File: BE089190.D

Acq: 9 Dec 2014 17:03

Instrument :

BNA_E

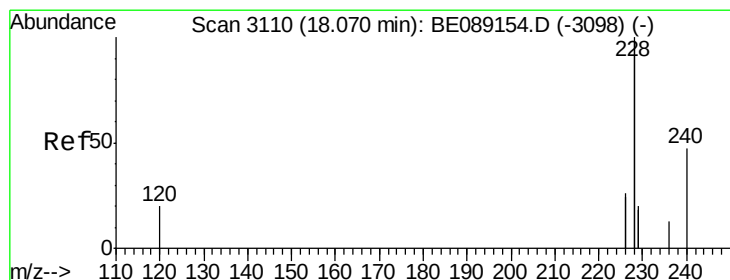
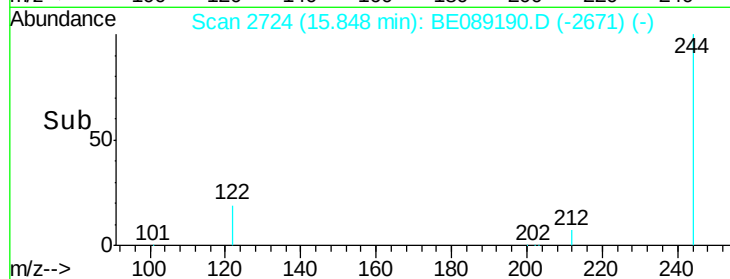
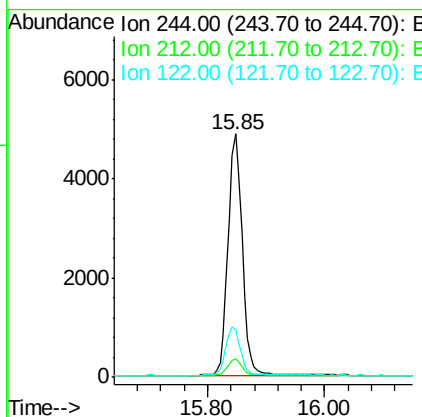
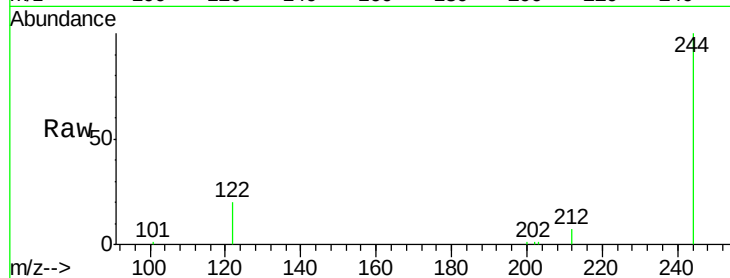
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	19.8	16.2	24.2

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#20

Benzo(a)anthracene

Concen: 1.03 ng

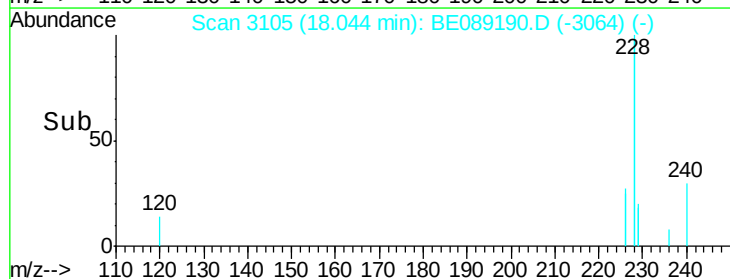
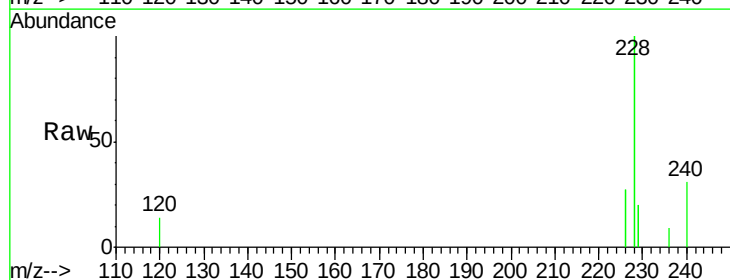
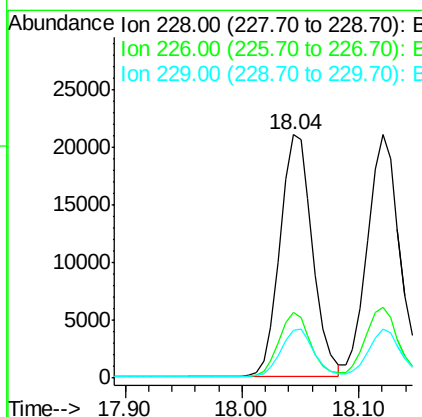
RT: 18.04 min Scan# 3105

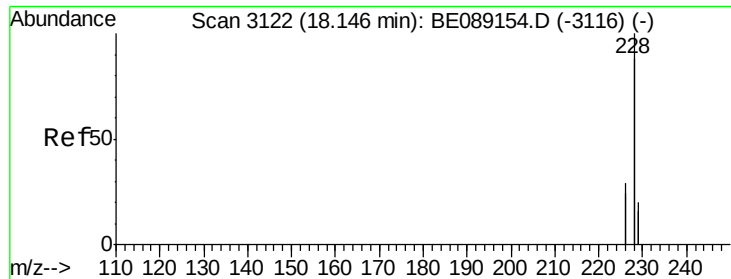
Delta R.T. -0.03 min

Lab File: BE089190.D

Acq: 9 Dec 2014 17:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.0	31.4
229	19.9	16.0	24.0





#21

Chrysene

Concen: 1.05 ng

RT: 18.12 min Scan# 3117

Delta R.T. -0.03 min

Lab File: BE089190.D

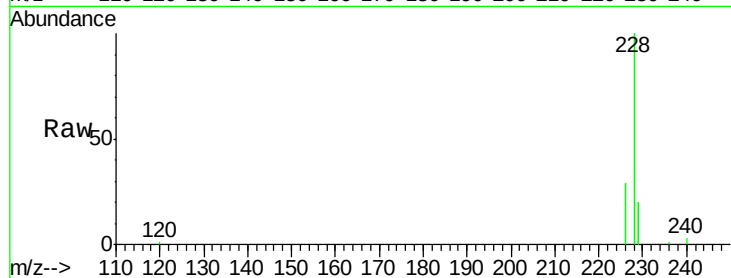
Acq: 9 Dec 2014 17:03

Instrument :

BNA_E

ClientSampleId :

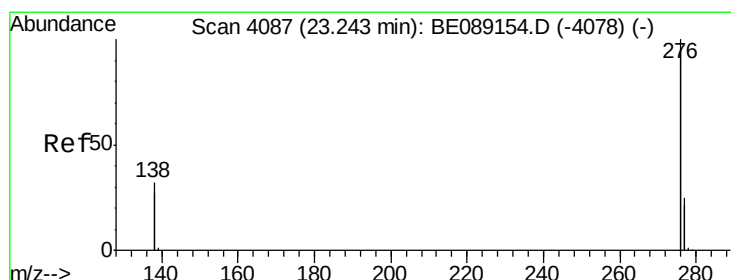
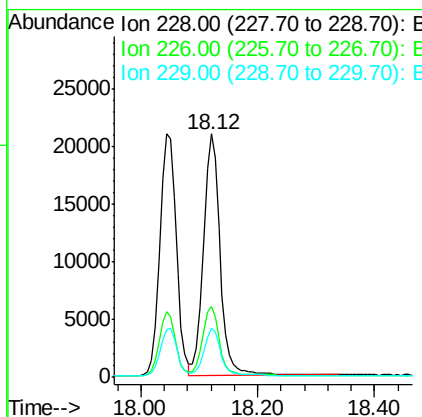
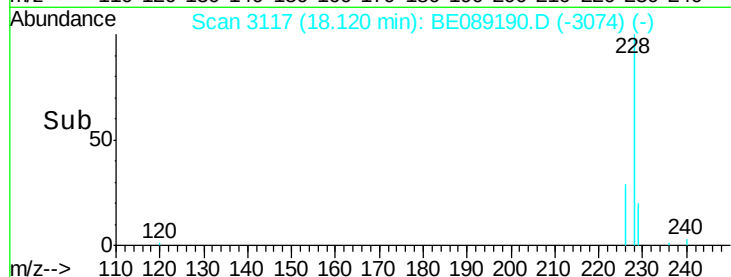
SSTDCCC001



Tgt Ion:	228	Resp:	41366
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.8	34.2
229	20.0	16.2	24.4

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#22

Indeno(1,2,3-cd)pyrene

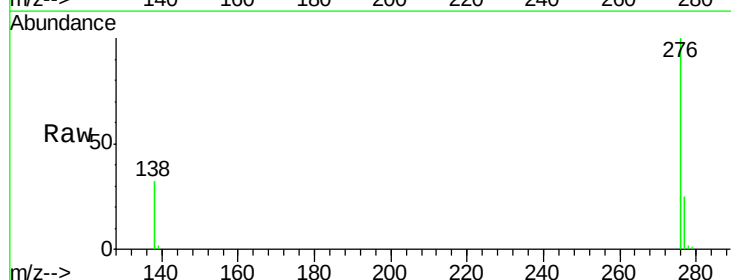
Concen: 1.08 ng m

RT: 23.20 min Scan# 4080

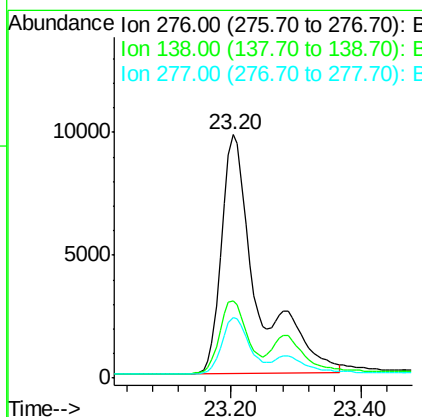
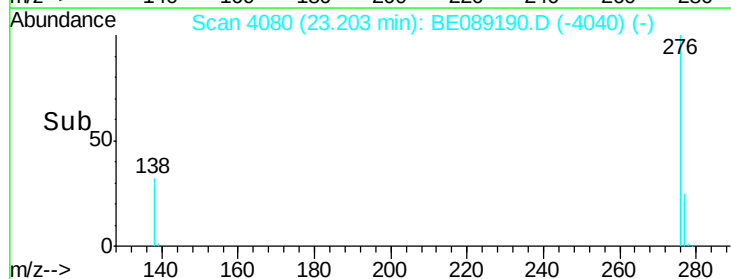
Delta R.T. -0.04 min

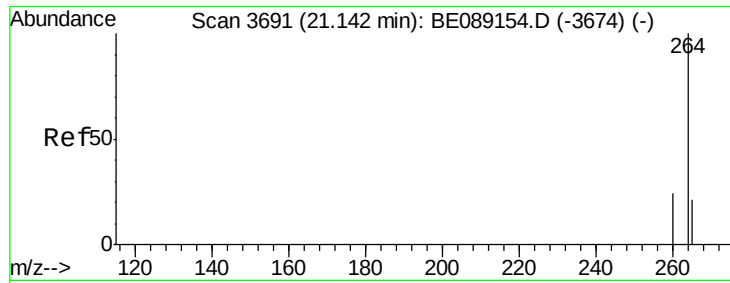
Lab File: BE089190.D

Acq: 9 Dec 2014 17:03



Tgt Ion:	276	Resp:	37352
Ion Ratio	Lower	Upper	
276	100		
138	23.5	17.8	26.8
277	17.9	14.1	21.1





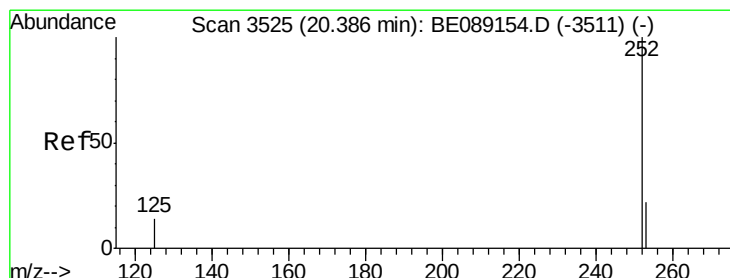
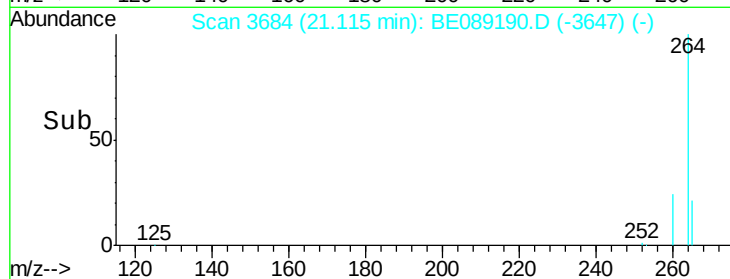
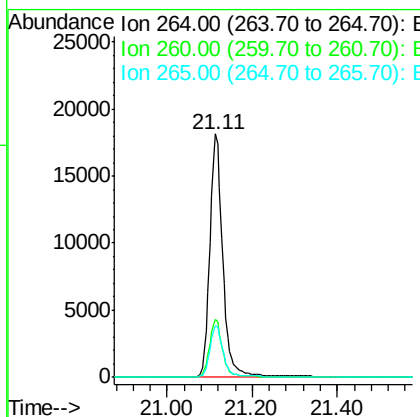
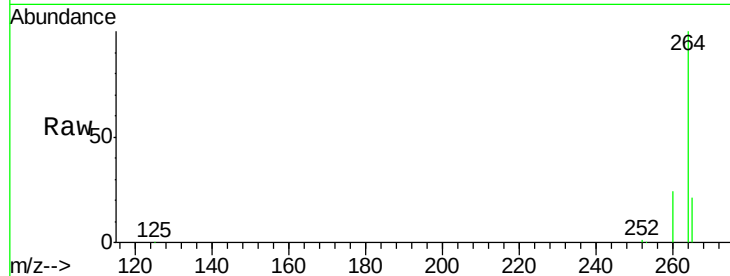
#23
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.11 min Scan# 3684
 Delta R.T. -0.03 min
 Lab File: BE089190.D
 Acq: 9 Dec 2014 17:03

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.4	17.2	25.8

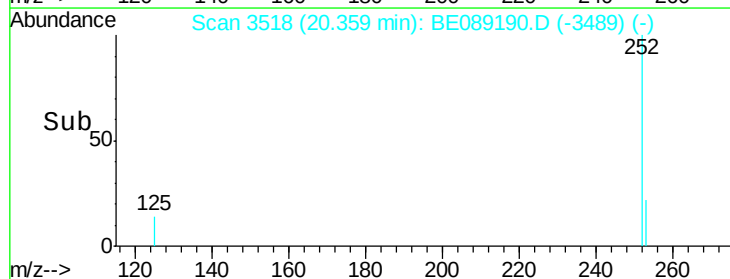
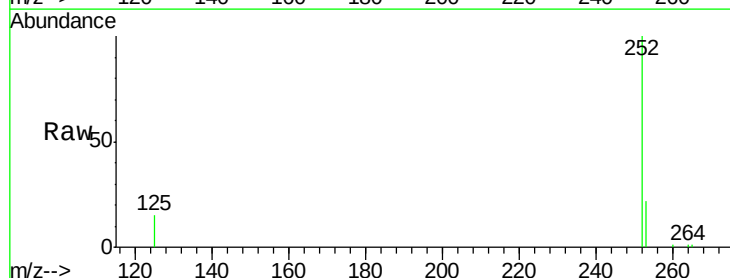
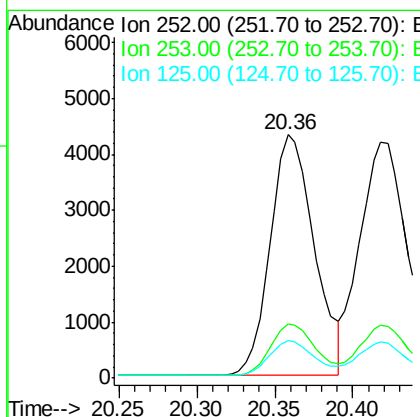
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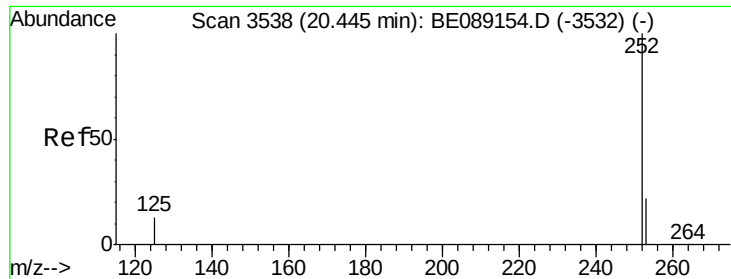
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#24
 Benzo(b)fluoranthene
 Concen: 1.07 ng
 RT: 20.36 min Scan# 3518
 Delta R.T. -0.03 min
 Lab File: BE089190.D
 Acq: 9 Dec 2014 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	15.2	12.2	18.2





#25

Benzo(k)fluoranthene

Concen: 1.05 ng

RT: 20.42 min Scan# 3531

Delta R.T. -0.03 min

Lab File: BE089190.D

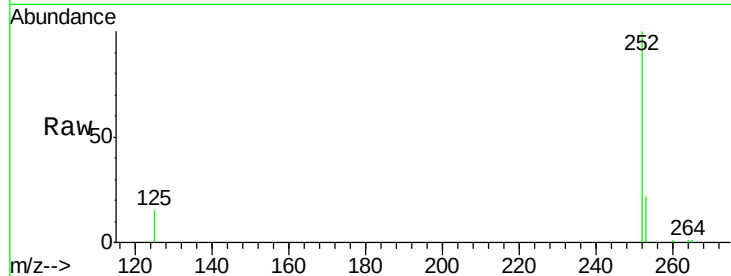
Acq: 9 Dec 2014 17:03

Instrument :

BNA_E

ClientSampleId :

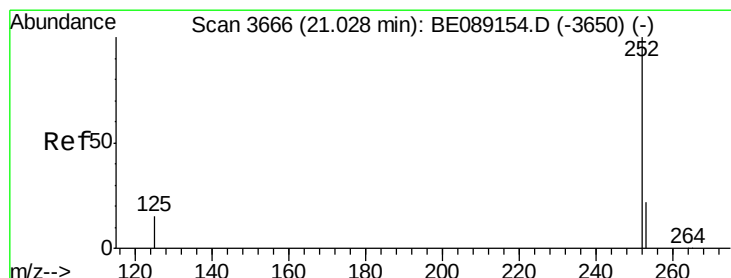
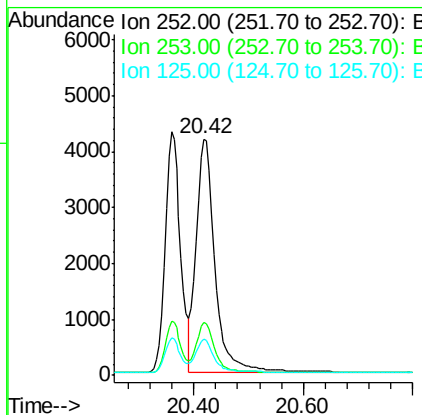
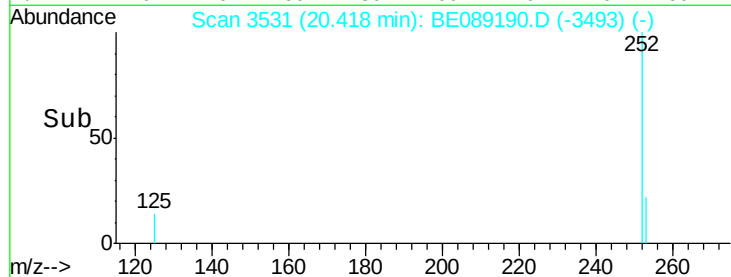
SSTDCCC001



Tgt Ion:	252	Resp:	9829
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.2
125	15.4	11.9	17.9

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#26

Benzo(a)pyrene

Concen: 1.06 ng

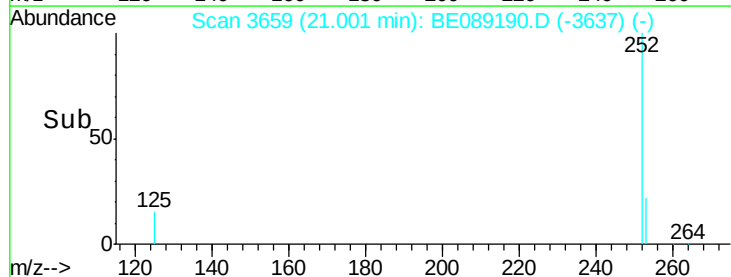
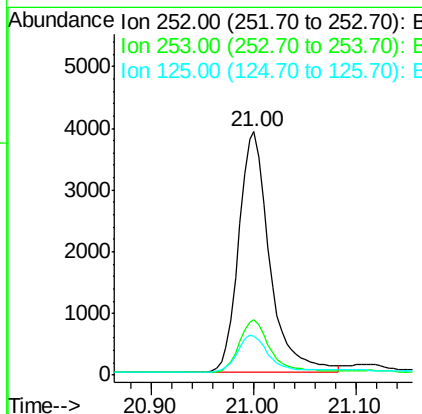
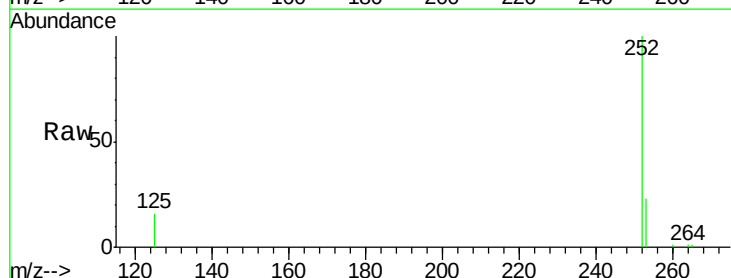
RT: 21.00 min Scan# 3659

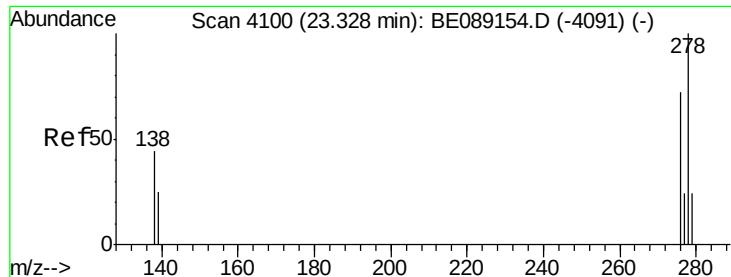
Delta R.T. -0.03 min

Lab File: BE089190.D

Acq: 9 Dec 2014 17:03

Tgt Ion:	252	Resp:	8172
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.6	27.8
125	16.0	13.4	20.0





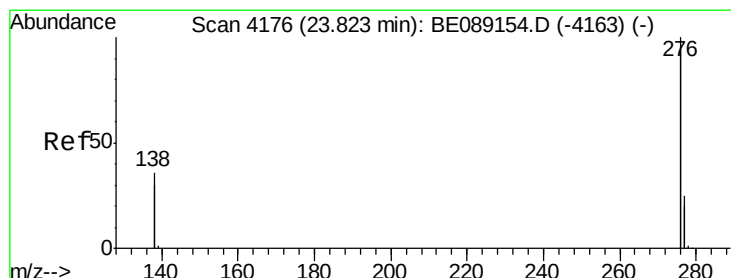
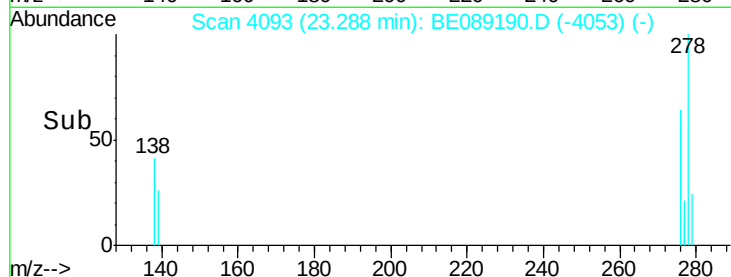
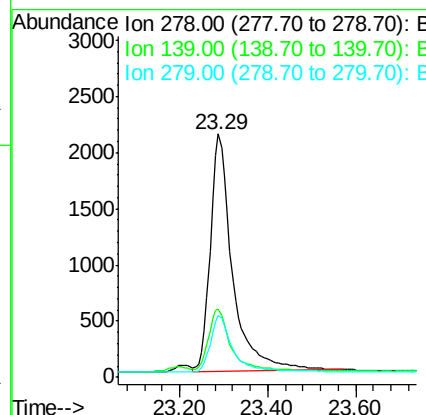
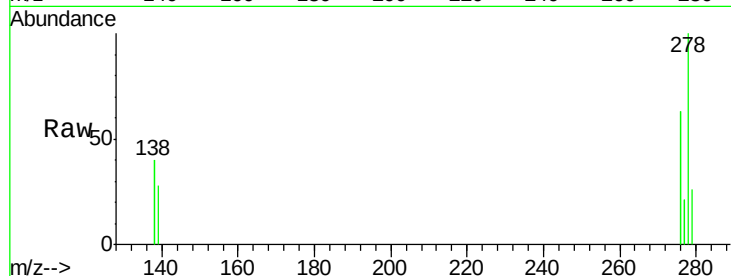
#27
Dibenzo(a,h)anthracene
Concen: 1.11 ng
RT: 23.29 min Scan# 4093
Delta R.T. -0.04 min
Lab File: BE089190.D
Acq: 9 Dec 2014 17:03

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.9	22.0	33.0
279	25.7	20.6	31.0

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#28
Benzo(g,h,i)perylene
Concen: 1.07 ng
RT: 23.78 min Scan# 4169
Delta R.T. -0.04 min
Lab File: BE089190.D
Acq: 9 Dec 2014 17:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.9	29.9
138	35.3	28.7	43.1

