

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089344.D
 Acq On : 8 Jan 2015 00:19
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICSVBE010715

Manual Integrations
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 1/9/2015 5:21:13 PM

Quant Time: Jan 08 06:11:01 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 06:03:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	15048	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	57832	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	26898	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	40118	5.00	ng	0.00
15) Chrysene-d12	18.06	240	30491	5.00	ng	0.00
21) Perylene-d12	21.12	264	27041	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	4227	1.05	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	7623	1.04	ng	0.00
17) Terphenyl-d14	15.85	244	5441	1.01	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.53	128	13714	1.05	ng	100
5) 2-Methylnaphthalene	9.39	142	8545	1.05	ng	94
8) Acenaphthylene	10.47	152	48068	1.04	ng	99
9) Acenaphthene	10.69	154	7305	1.02	ng	96
10) Fluorene	11.34	166	8040	1.05	ng	99
12) Phenanthrene	12.75	178	43776	1.05	ng	99
13) Anthracene	12.84	178	42675	1.06	ng	99
14) Fluoranthene	14.96	202	9727	1.05	ng	99
16) Pyrene	15.40	202	10327	1.03	ng	99
18) Benzo(a)anthracene	18.05	228	31697	1.03	ng	99
19) Chrysene	18.12	228	32706	1.05	ng	100
20) Indeno(1,2,3-cd)pyrene	23.22	276	30296m	1.01	ng	
22) Benzo(b)fluoranthene	20.36	252	6228	1.05	ng	99
23) Benzo(k)fluoranthene	20.42	252	8148	1.09	ng	100
24) Benzo(a)pyrene	21.00	252	6024	1.03	ng	100
25) Dibenzo(a,h)anthracene	23.30	278	5544	1.04	ng	98
26) Benzo(g,h,i)perylene	23.80	276	27954	1.04	ng	99

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

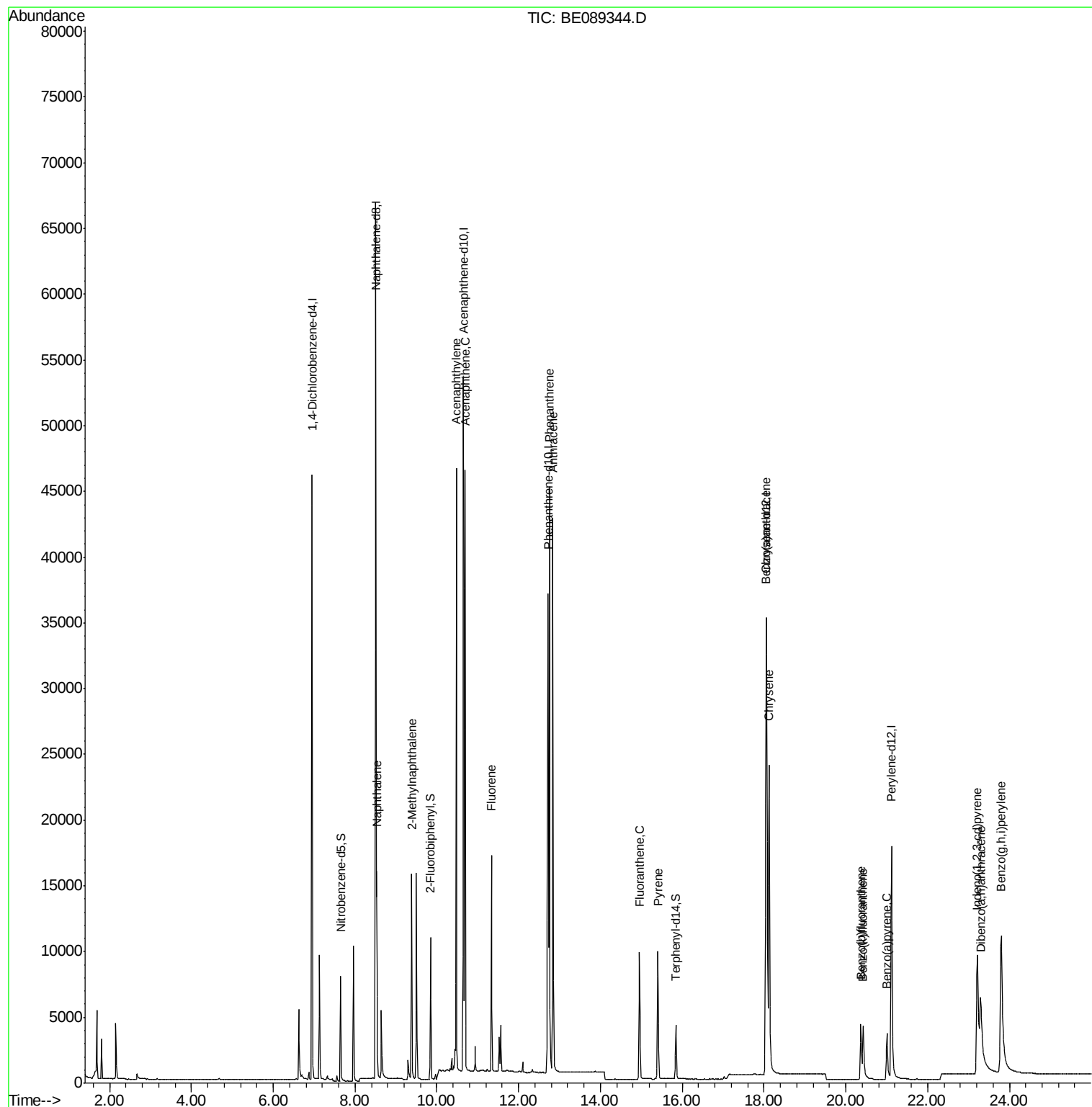
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089344.D
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Operator : TP/IZ
Sample : SSTDICV001
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ALS Vial : 20 Sample Multiplier: 1

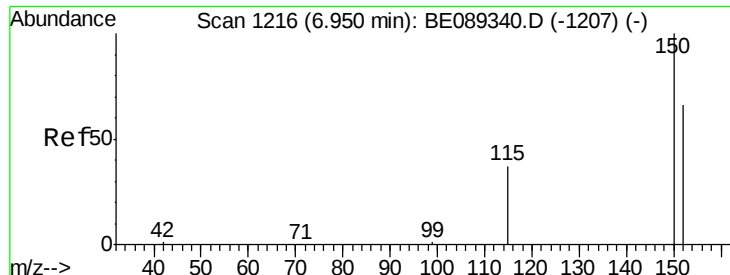
Instrument :
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Quant Time: Jan 08 06:11:01 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BE089344.D

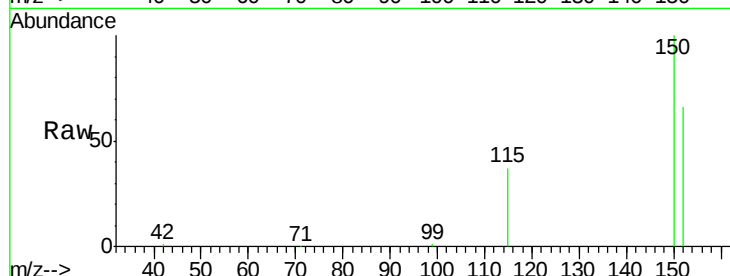
Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

ICVBE010715



Tgt Ion:152 Resp: 15048

Ion Ratio Lower Upper

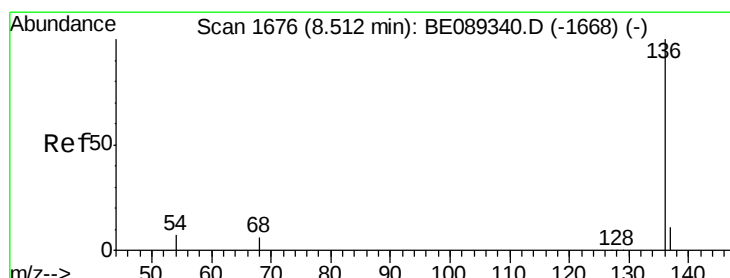
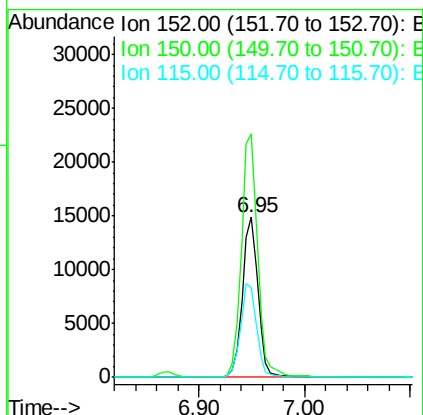
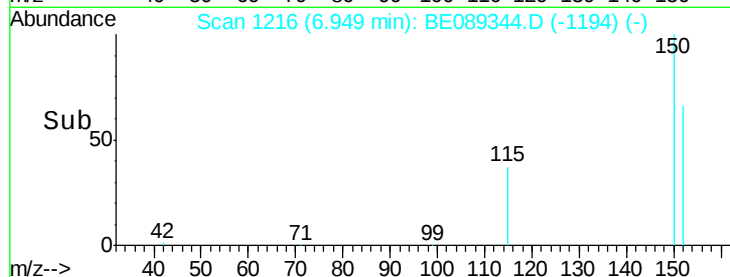
152 100

150 151.9 121.5 182.3

115 55.8 45.2 67.8

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#2

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

Tgt Ion:136 Resp: 57832

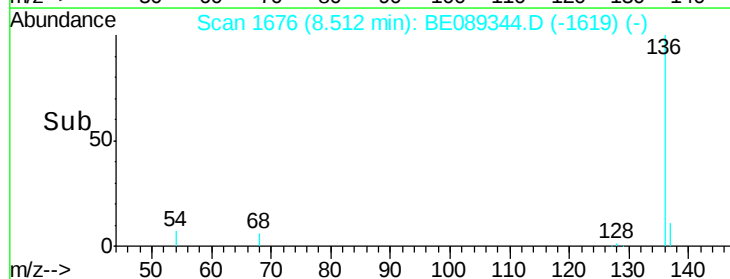
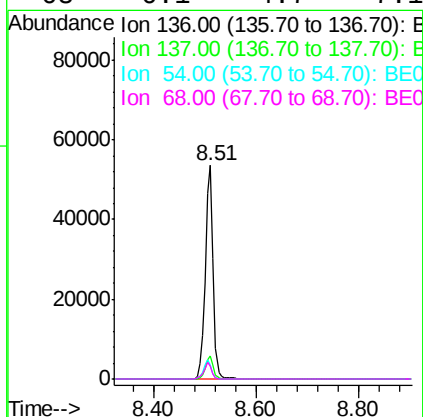
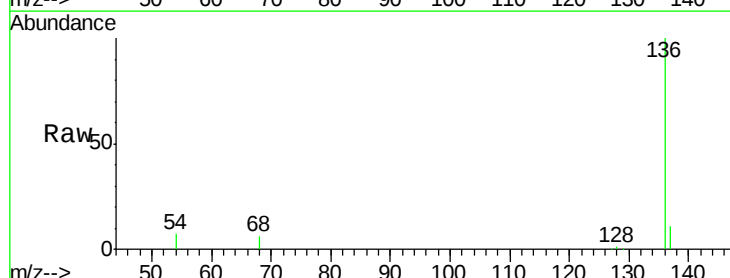
Ion Ratio Lower Upper

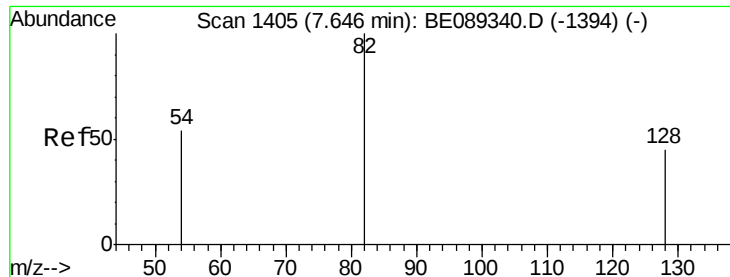
136 100

137 11.1 9.0 13.4

54 6.7 5.4 8.0

68 6.1 4.7 7.1





#3

Nitrobenzene-d5

Concen: 1.05 ng

RT: 7.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE089344.D

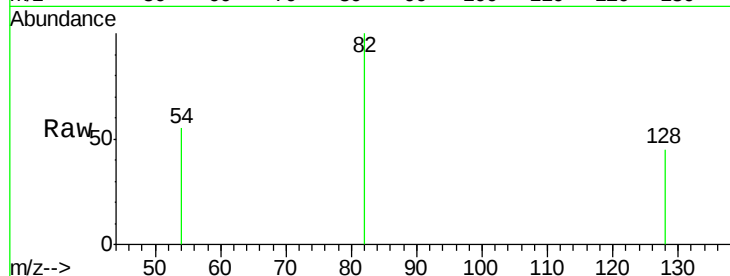
Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

ICVBE010715



Tgt Ion: 82 Resp: 4227

Ion Ratio Lower Upper

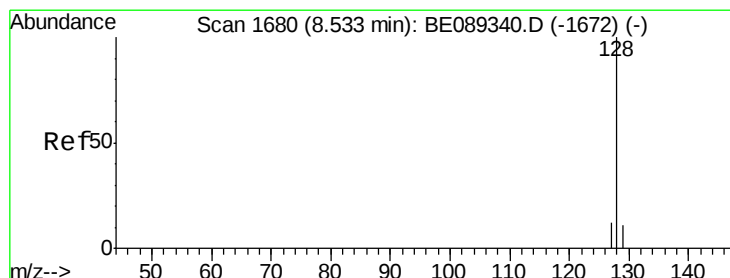
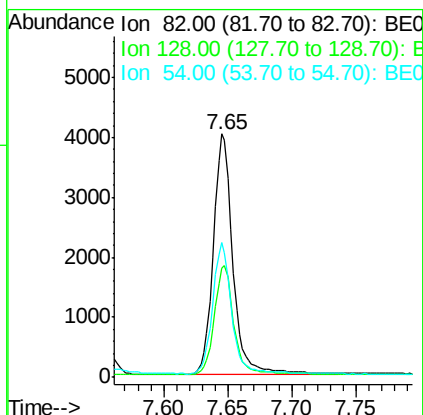
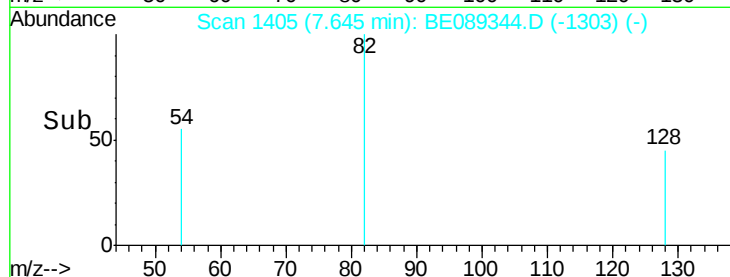
82 100

128 45.0 36.5 54.7

54 55.4 43.5 65.3

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#4

Naphthalene

Concen: 1.05 ng

RT: 8.53 min Scan# 1680

Delta R.T. -0.00 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

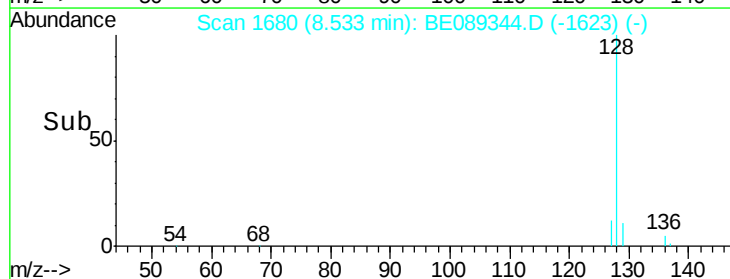
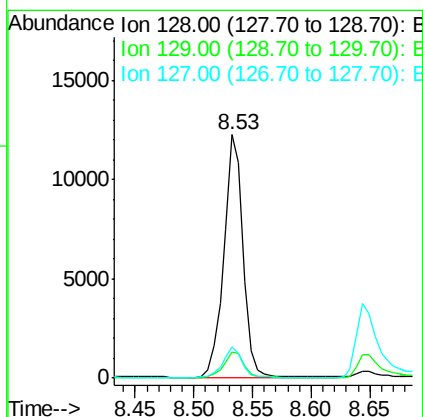
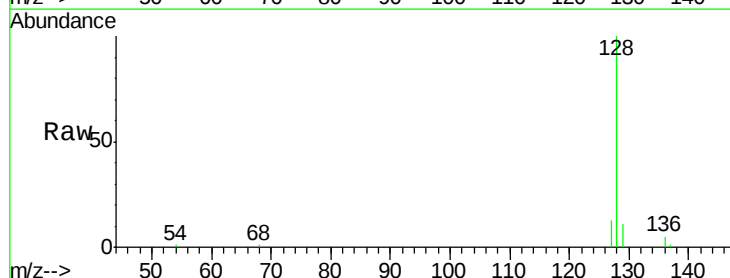
Tgt Ion: 128 Resp: 13714

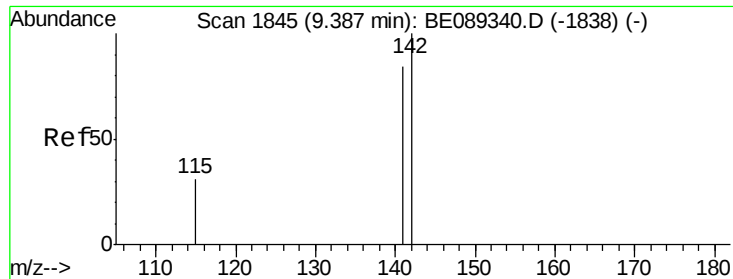
Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 12.7 10.0 15.0





#5

2-Methylnaphthalene

Concen: 1.05 ng

RT: 9.39 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BE089344.D

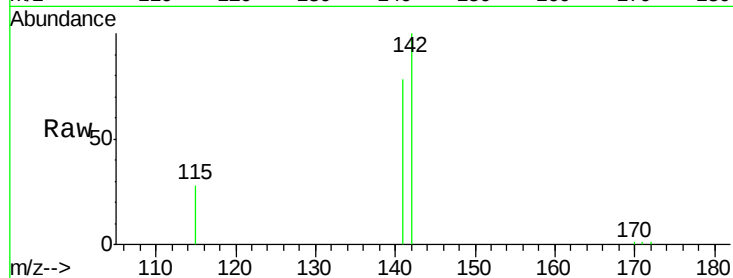
Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

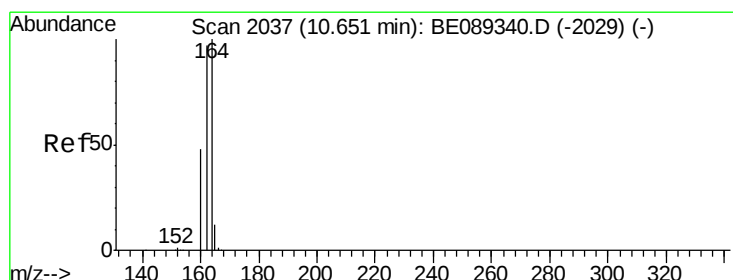
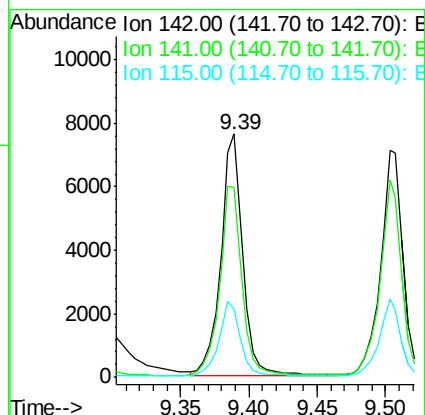
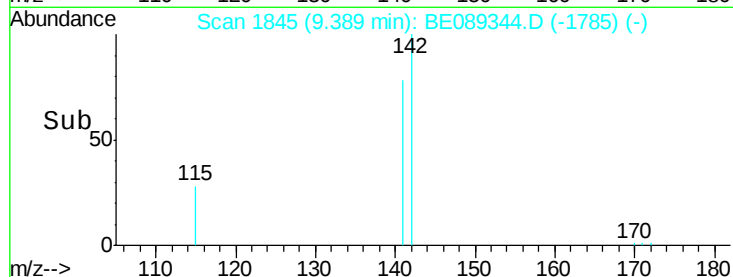
ICVBE010715



Tgt Ion:	142	Resp:	8545
Ion Ratio	Lower	Upper	
142	100		
141	77.9	66.3	99.5
115	28.1	25.2	37.8

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#6

Acenaphthene-d10

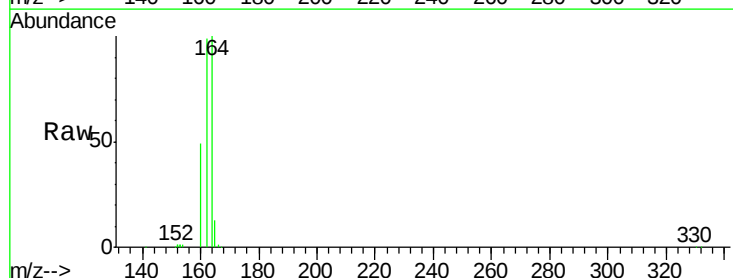
Concen: 5.00 ng

RT: 10.65 min Scan# 2036

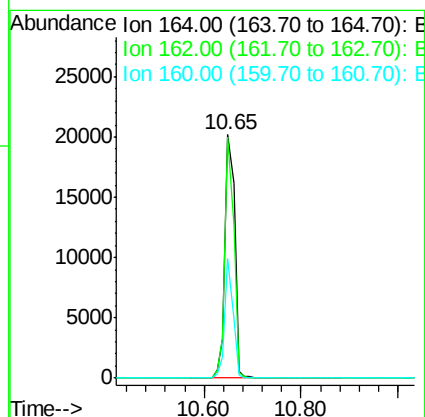
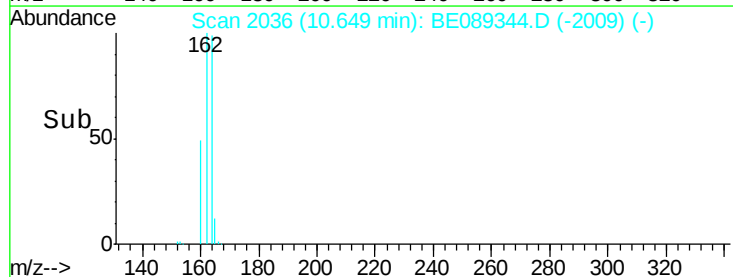
Delta R.T. -0.00 min

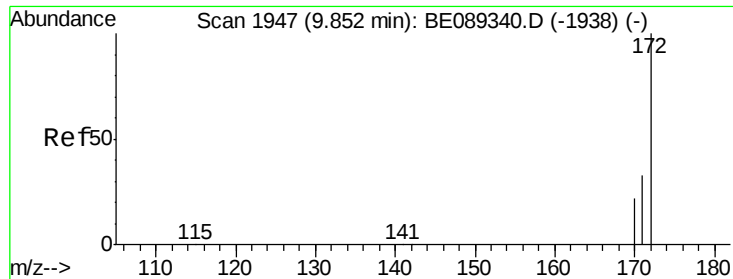
Lab File: BE089344.D

Acq: 8 Jan 2015 00:19



Tgt Ion:	164	Resp:	26898
Ion Ratio	Lower	Upper	
164	100		
162	99.0	77.4	116.2
160	48.9	38.2	57.4





#7

2-Fluorobiphenyl

Concen: 1.04 ng

RT: 9.85 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

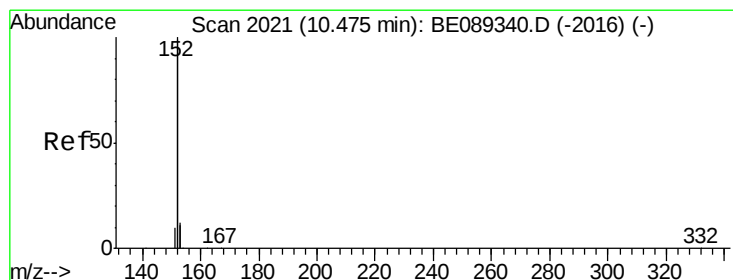
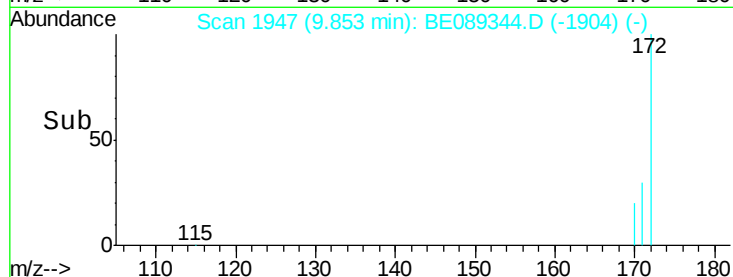
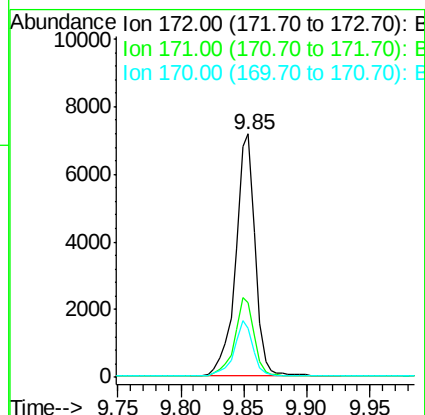
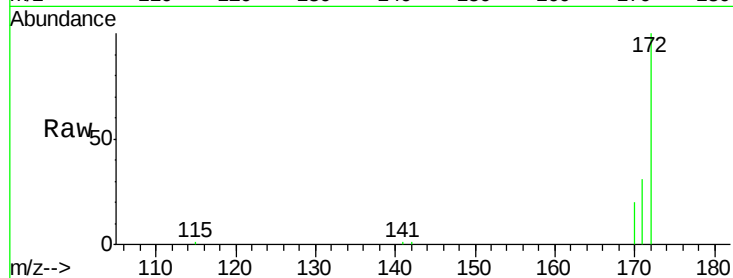
ClientSampleId :

ICVBE010715

Tgt Ion:	172	Resp:	7623
Ion Ratio	Lower	Upper	
172	100		
171	30.8	26.4	39.6
170	20.0	18.0	27.0

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#8

Acenaphthylene

Concen: 1.04 ng

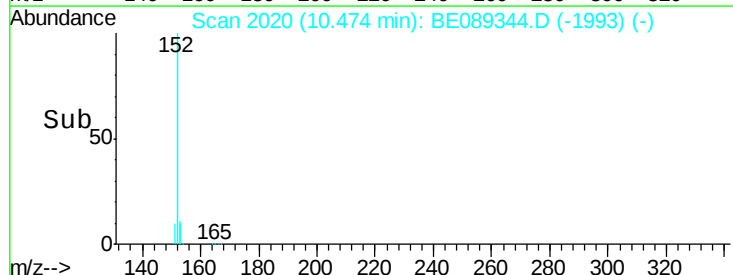
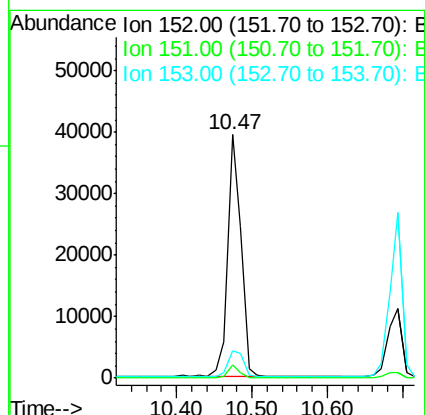
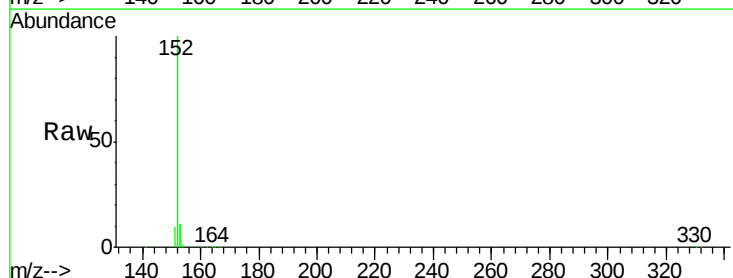
RT: 10.47 min Scan# 2020

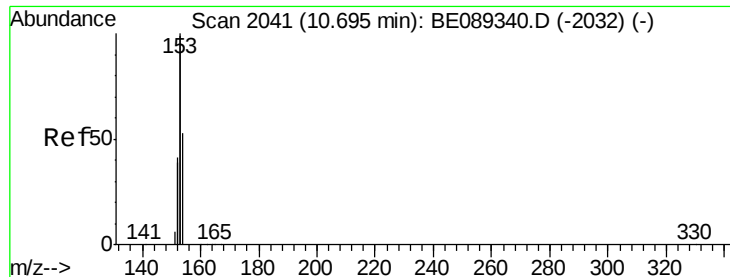
Delta R.T. -0.00 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

Tgt Ion:	152	Resp:	48068
Ion Ratio	Lower	Upper	
152	100		
151	5.2	4.1	6.1
153	11.4	9.8	14.6





#9

Acenaphthene

Concen: 1.02 ng

RT: 10.69 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BE089344.D

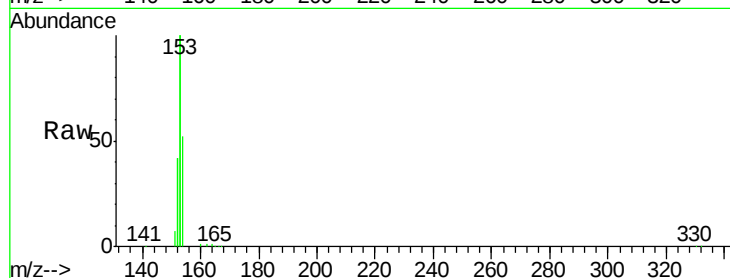
Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

ICVBE010715



Tgt Ion:154 Resp: 7305

Ion Ratio Lower Upper

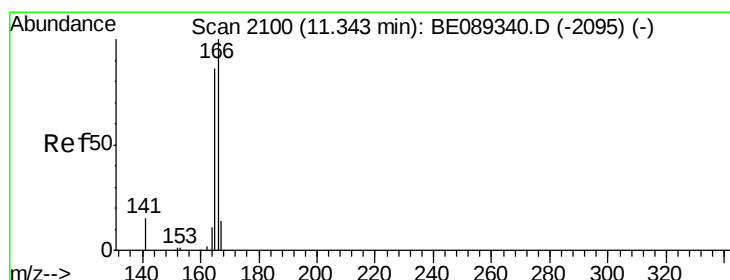
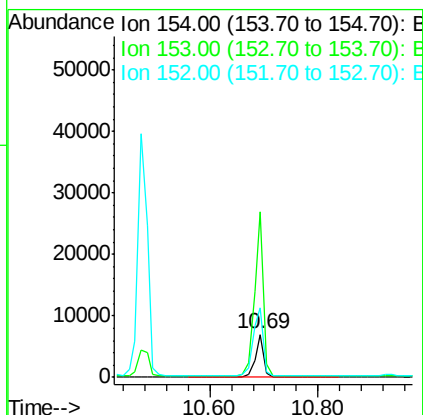
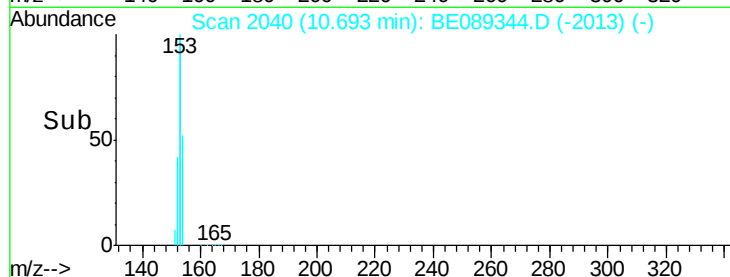
154 100

153 383.9 300.6 450.8

152 160.5 123.3 184.9

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#10

Fluorene

Concen: 1.05 ng

RT: 11.34 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

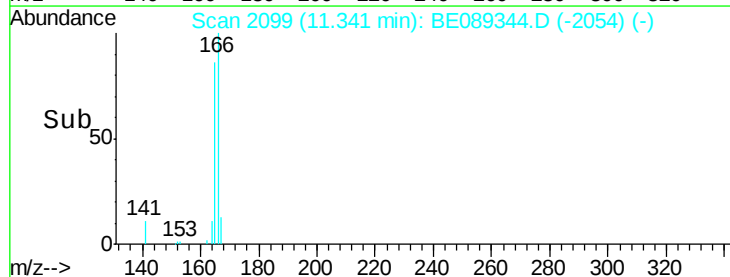
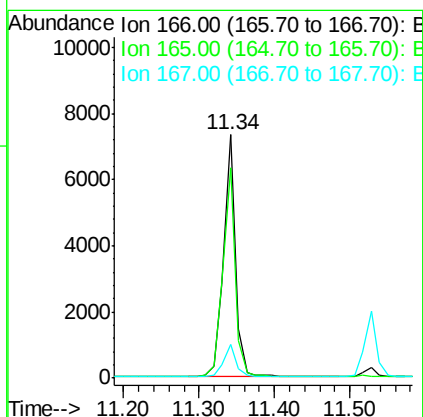
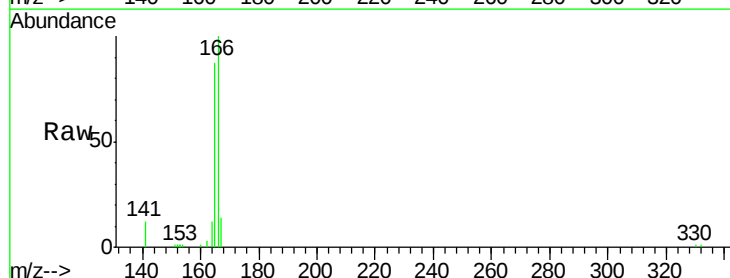
Tgt Ion:166 Resp: 8040

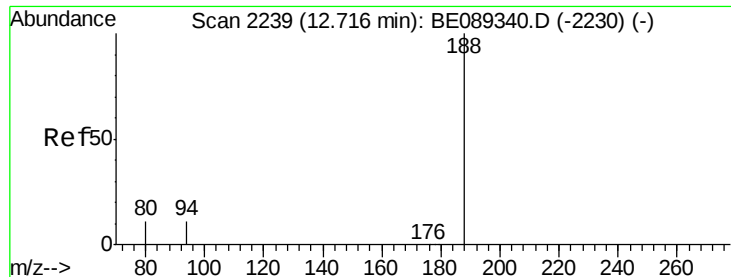
Ion Ratio Lower Upper

166 100

165 88.8 72.1 108.1

167 13.4 11.0 16.4





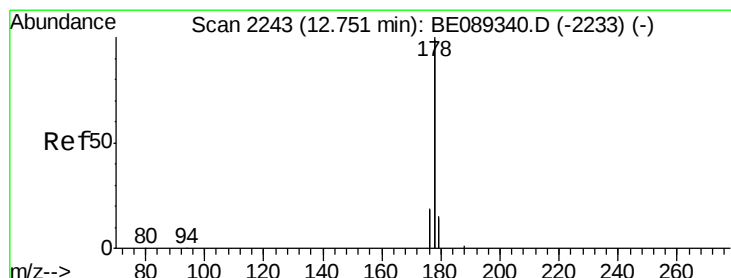
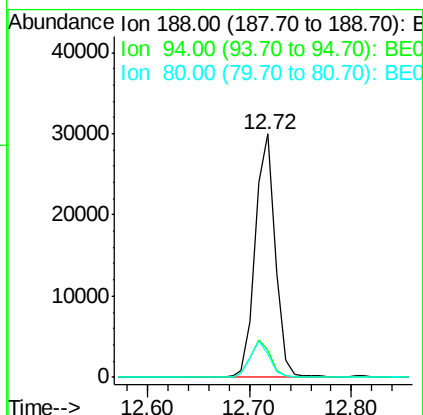
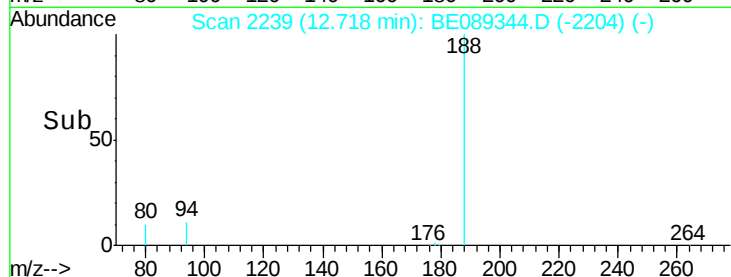
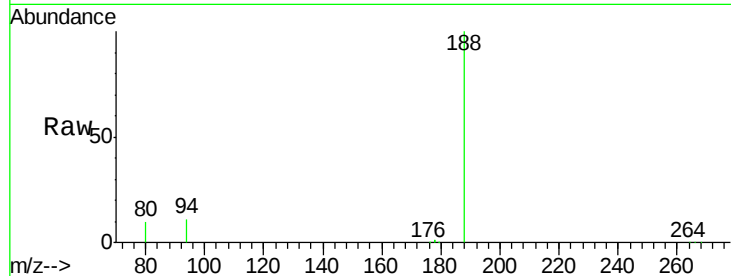
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BE089344.D
Acq: 8 Jan 2015 00:19

Instrument :
BNA_E
ClientSampleId :
ICVBE010715

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	11.0	12.2
80	9.7	10.1	11.1

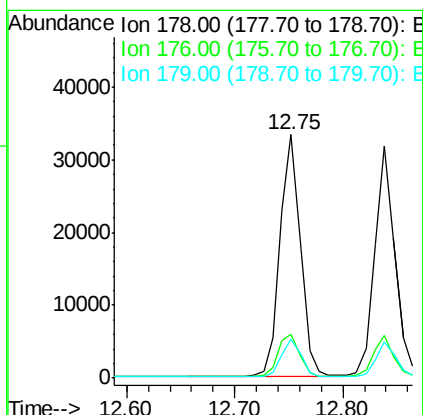
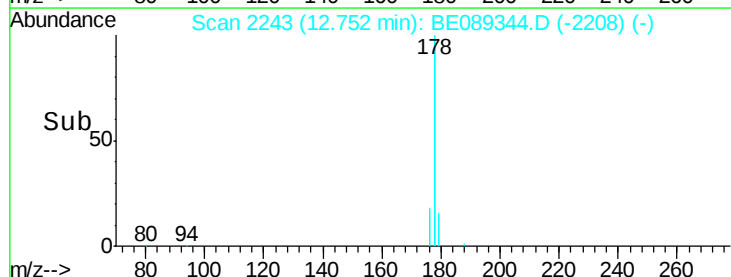
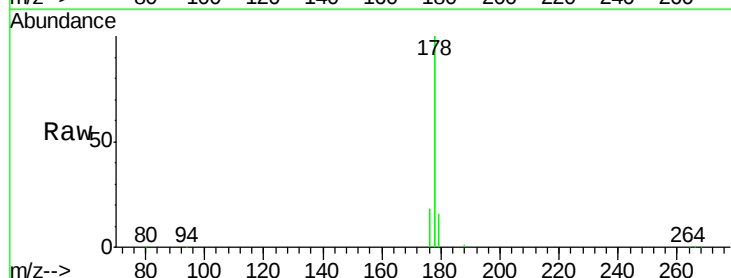
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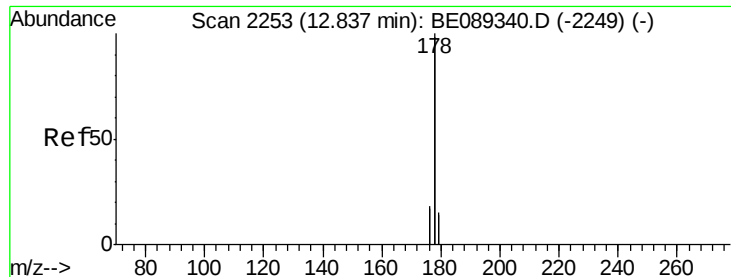
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#12
Phenanthrene
Concen: 1.05 ng
RT: 12.75 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BE089344.D
Acq: 8 Jan 2015 00:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	15.8	12.2	18.2





#13

Anthracene

Concen: 1.06 ng

RT: 12.84 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BE089344.D

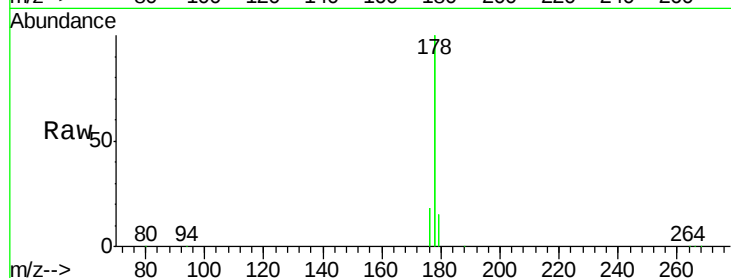
Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

ICVBE010715



Tgt Ion:178 Resp: 42675

Ion Ratio Lower Upper

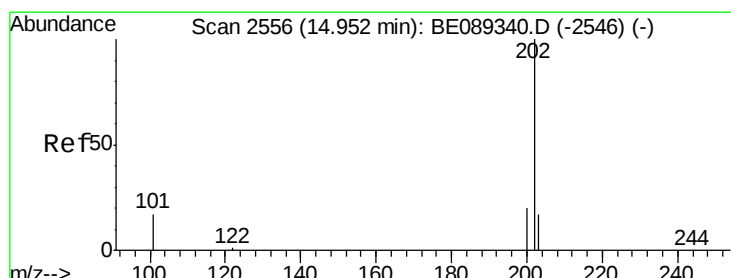
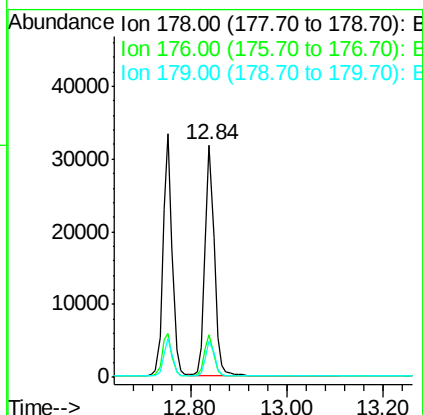
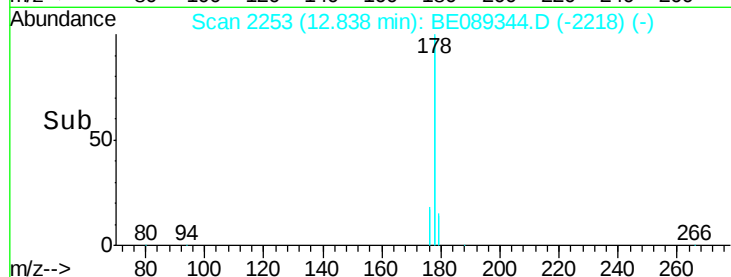
178 100

176 18.2 14.7 22.1

179 15.4 12.0 18.0

Manual Integrations
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#14

Fluoranthene

Concen: 1.05 ng

RT: 14.96 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

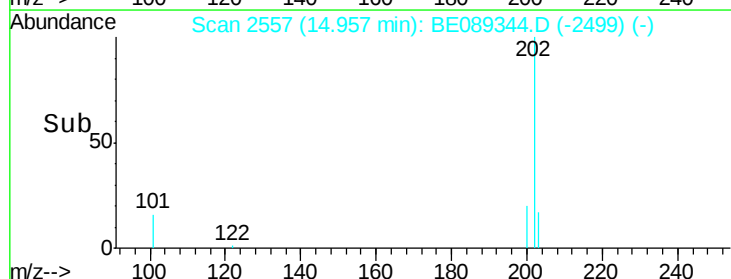
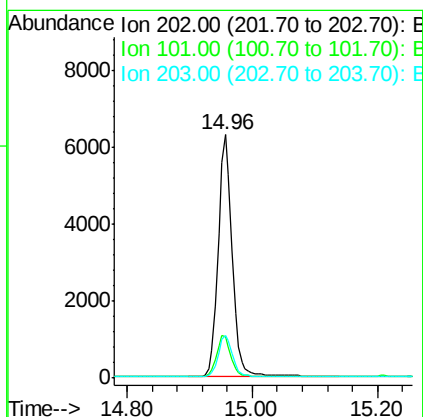
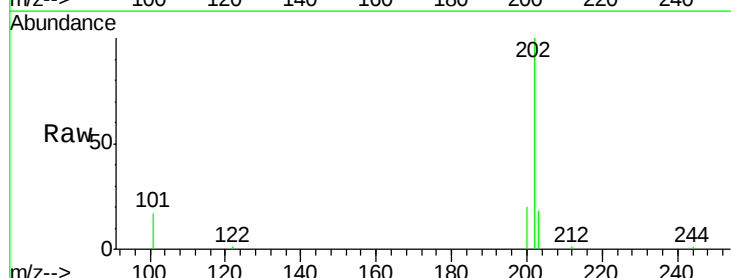
Tgt Ion:202 Resp: 9727

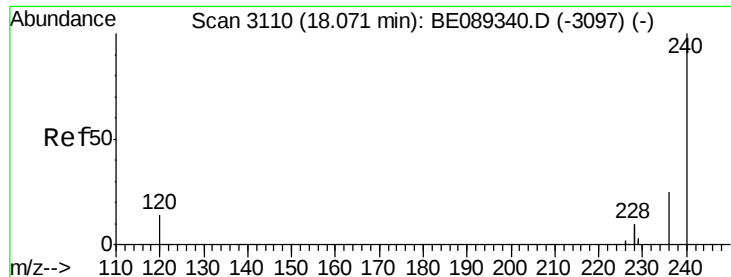
Ion Ratio Lower Upper

202 100

101 17.1 0.0 37.9

203 17.7 0.0 37.5





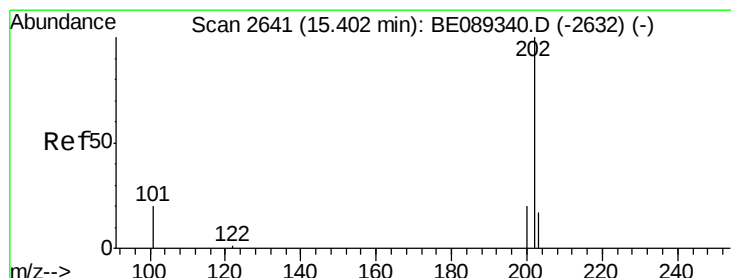
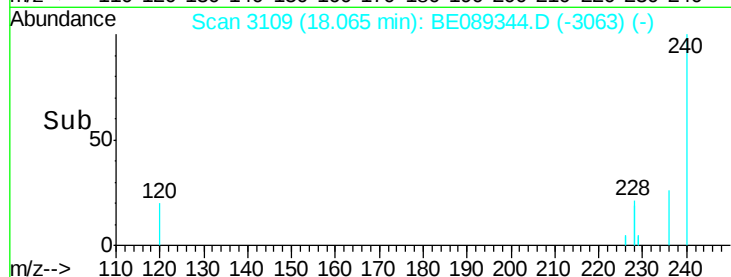
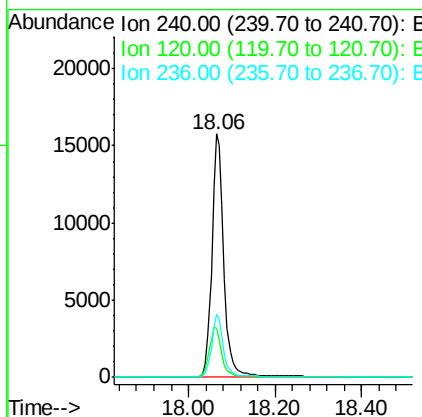
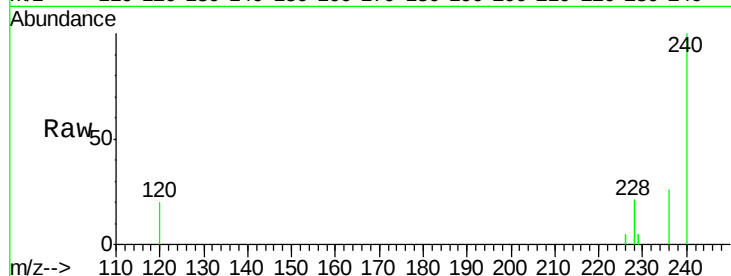
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.06 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BE089344.D
Acq: 8 Jan 2015 00:19

Instrument :
BNA_E
ClientSampleId :
ICVBE010715

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.3	11.8	17.6#
236	25.7	20.0	30.0

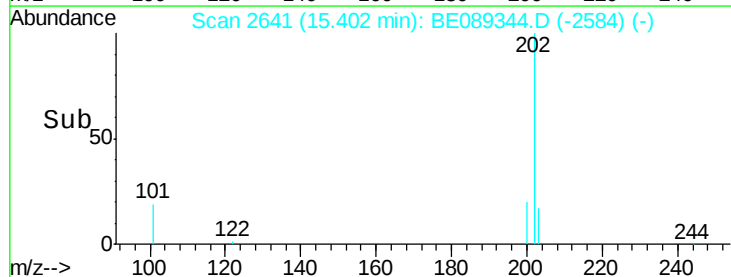
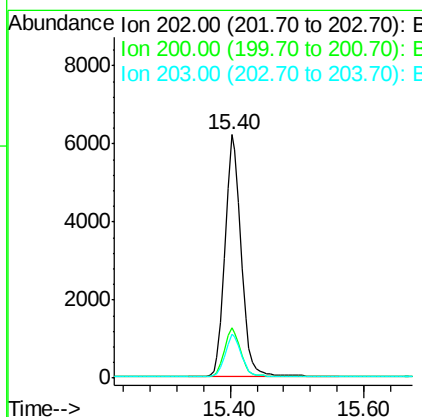
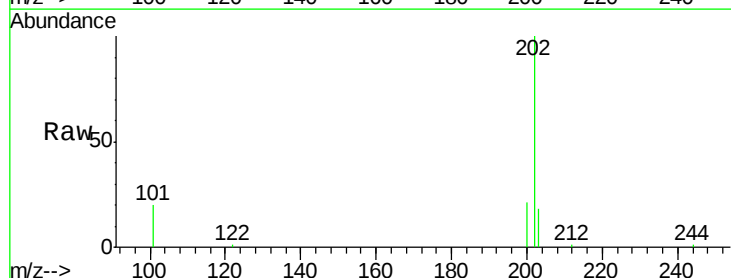
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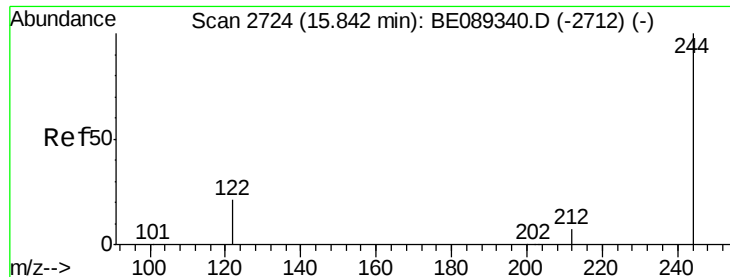
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#16
Pyrene
Concen: 1.03 ng
RT: 15.40 min Scan# 2641
Delta R.T. -0.00 min
Lab File: BE089344.D
Acq: 8 Jan 2015 00:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	17.8	14.0	21.0





#17

Terphenyl-d14

Concen: 1.01 ng

RT: 15.85 min Scan# 2725

Delta R.T. 0.00 min

Lab File: BE089344.D

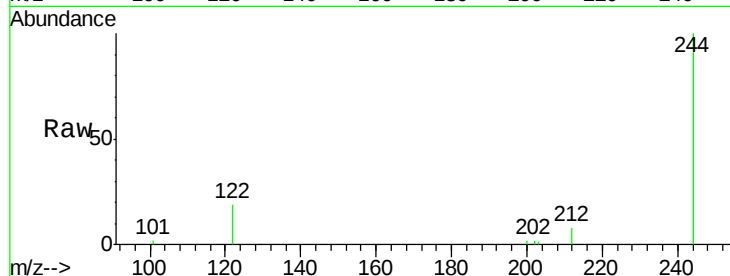
Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

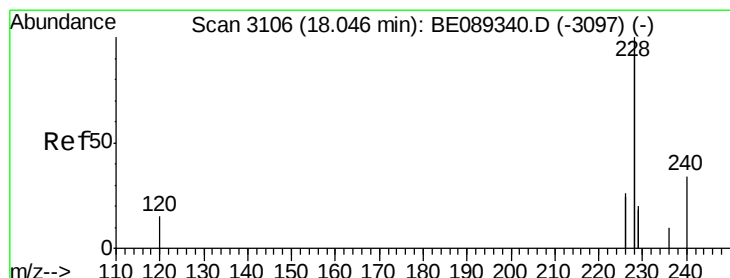
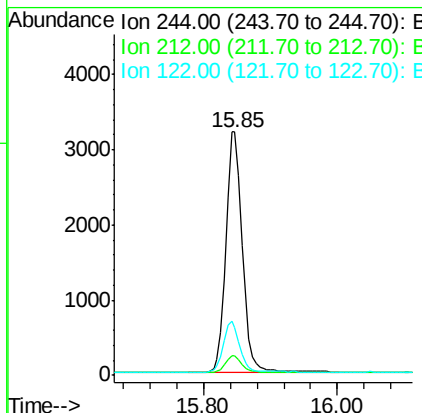
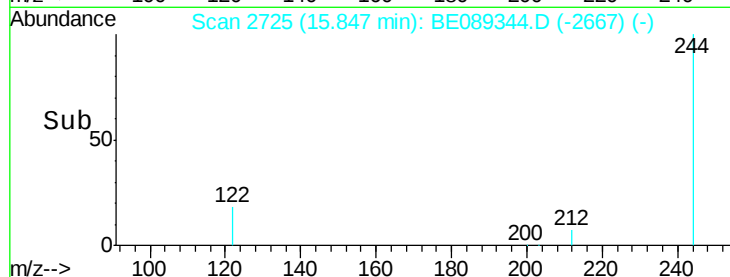
ICVBE010715



Tgt Ion:	244	Resp:	5441
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.3	9.5
122	19.5	17.7	26.5

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#18

Benzo(a)anthracene

Concen: 1.03 ng

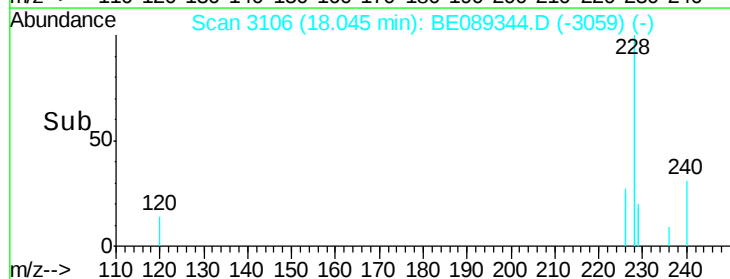
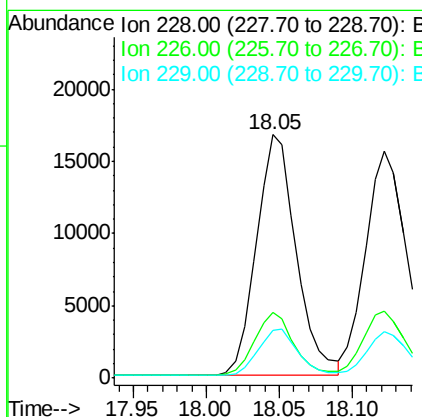
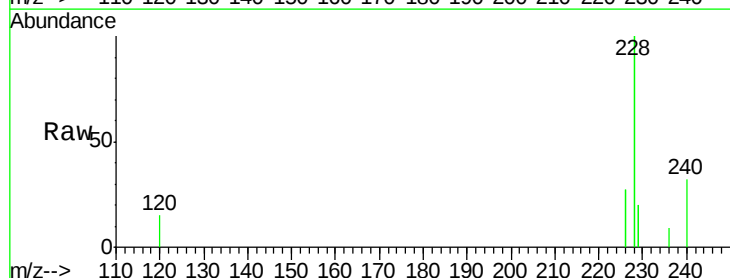
RT: 18.05 min Scan# 3106

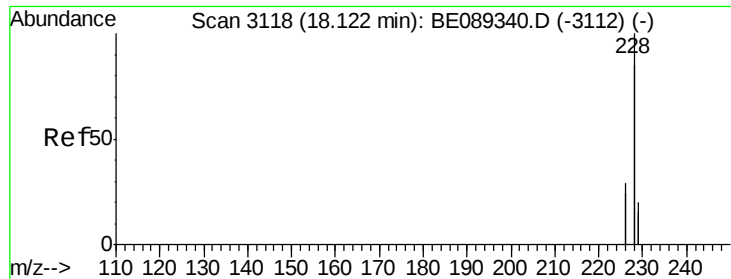
Delta R.T. -0.00 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

Tgt Ion:	228	Resp:	31697
Ion Ratio	Lower	Upper	
228	100		
226	26.8	21.0	31.6
229	19.8	16.0	24.0





#19

Chrysene

Concen: 1.05 ng

RT: 18.12 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BE089344.D

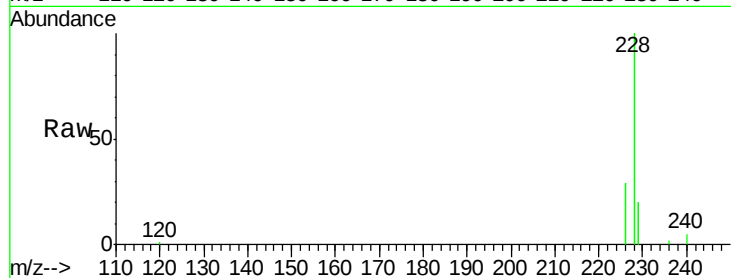
Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

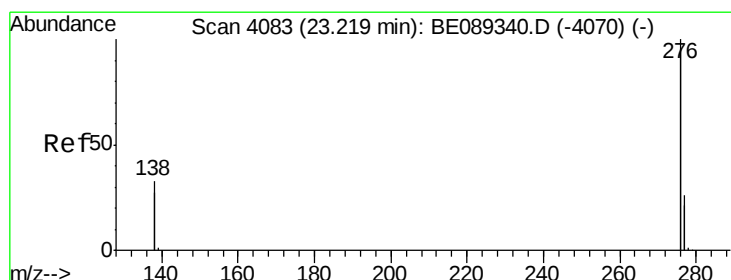
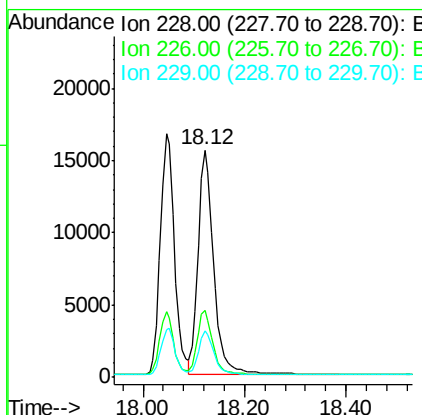
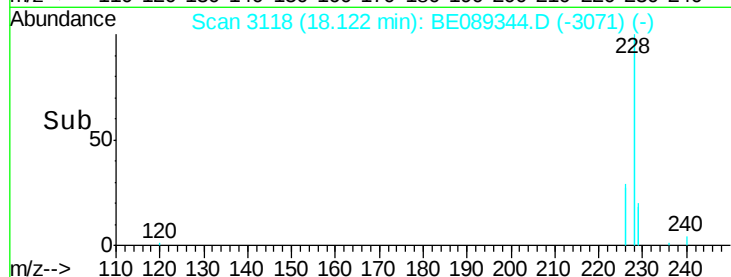
ICVBE010715



Tgt Ion:	228	Resp:	32706
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.5	35.3
229	20.4	16.1	24.1

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#20

Indeno(1,2,3-cd)pyrene

Concen: 1.01 ng m

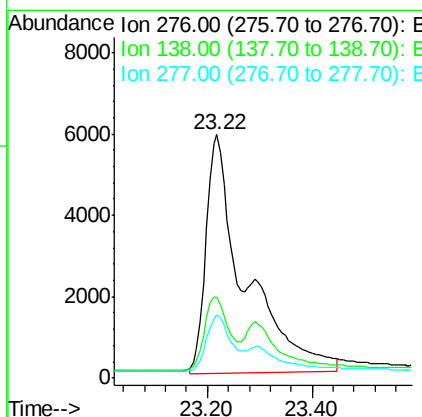
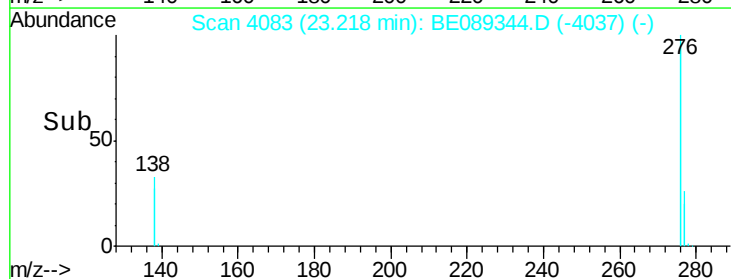
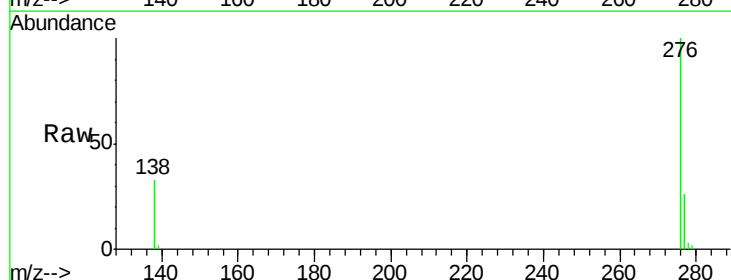
RT: 23.22 min Scan# 4083

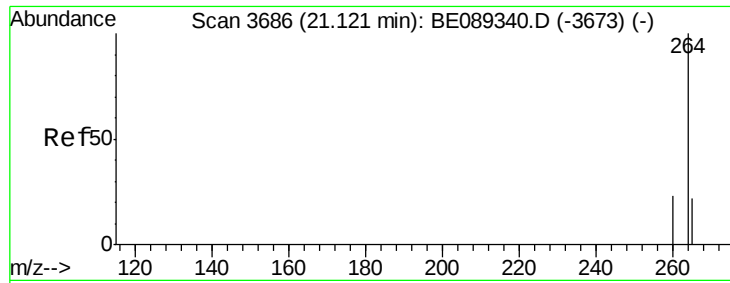
Delta R.T. -0.00 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

Tgt Ion:	276	Resp:	30296
Ion Ratio	Lower	Upper	
276	100		
138	18.9	23.8	35.8#
277	15.1	18.2	27.4#





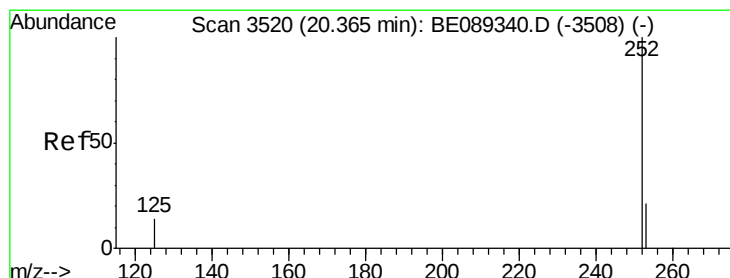
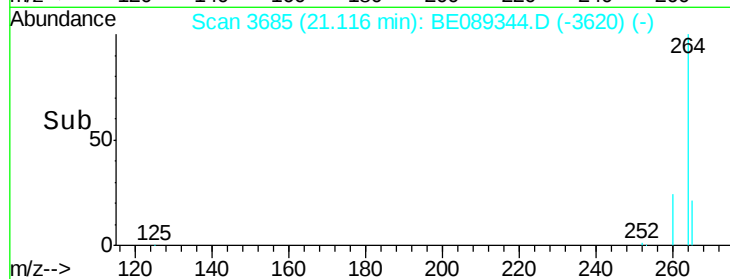
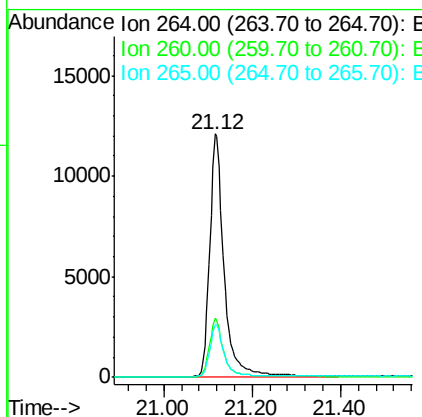
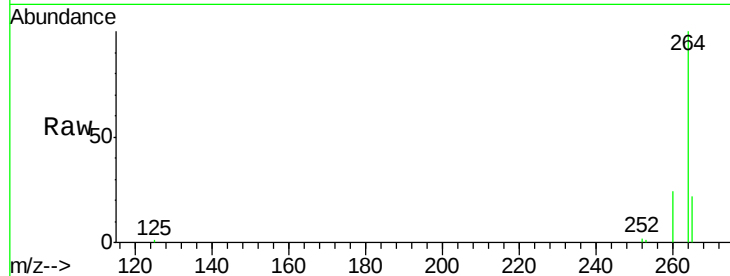
#21
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3685
 Delta R.T. -0.01 min
 Lab File: BE089344.D
 Acq: 8 Jan 2015 00:19

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE010715

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	21.6	17.4	26.2

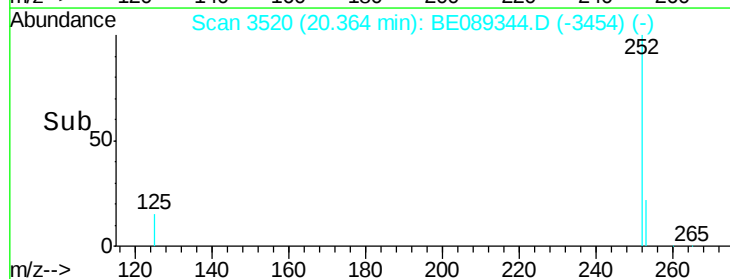
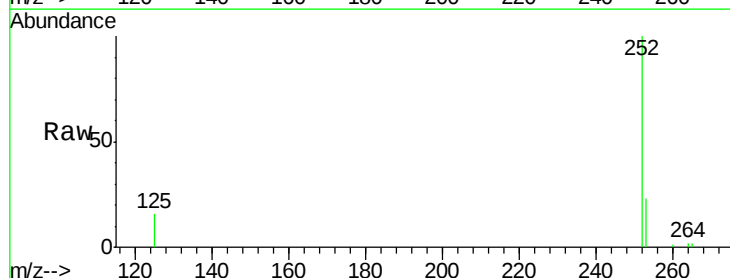
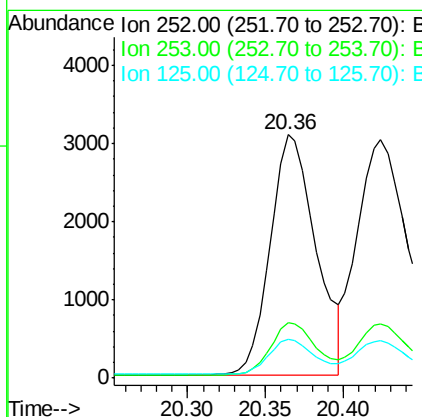
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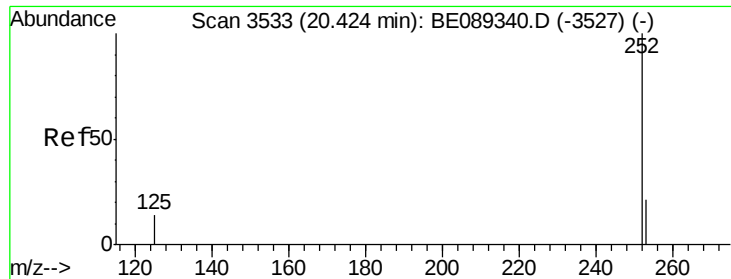
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#22
 Benzo(b)fluoranthene
 Concen: 1.05 ng
 RT: 20.36 min Scan# 3520
 Delta R.T. -0.00 min
 Lab File: BE089344.D
 Acq: 8 Jan 2015 00:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	15.9	12.6	18.8





#23

Benzo(k)fluoranthene

Concen: 1.09 ng

RT: 20.42 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BE089344.D

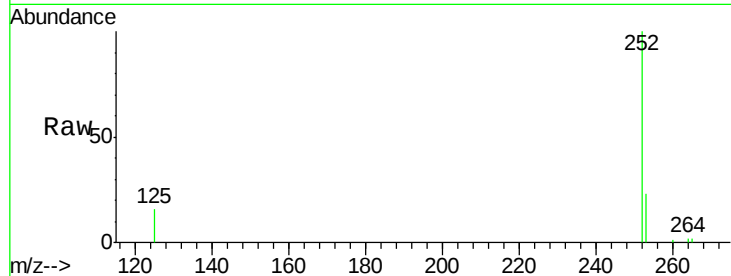
Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

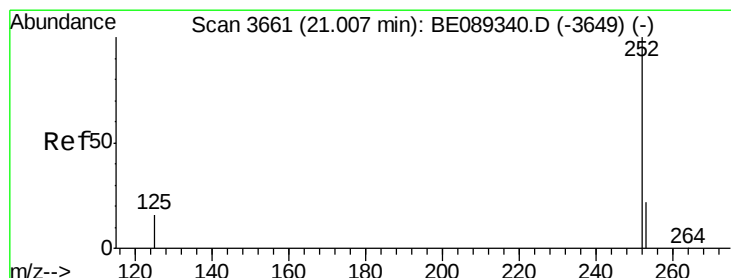
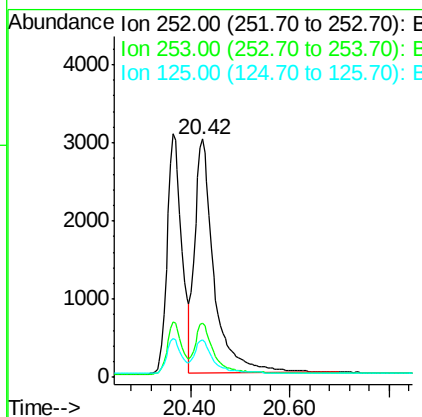
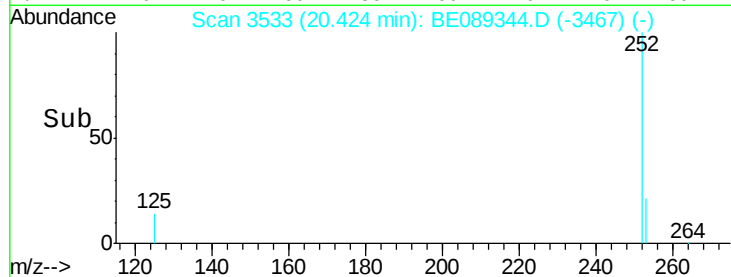
ICVBE010715



Tgt Ion:	252	Resp:	8148
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	15.6	12.4	18.6

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#24

Benzo(a)pyrene

Concen: 1.03 ng

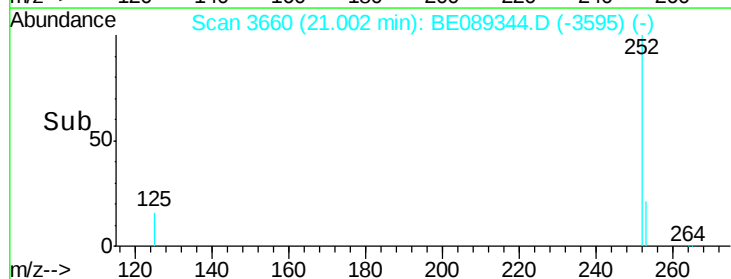
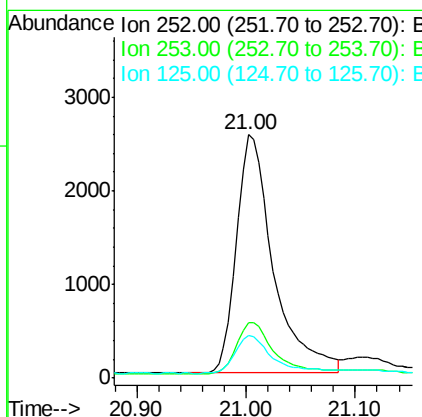
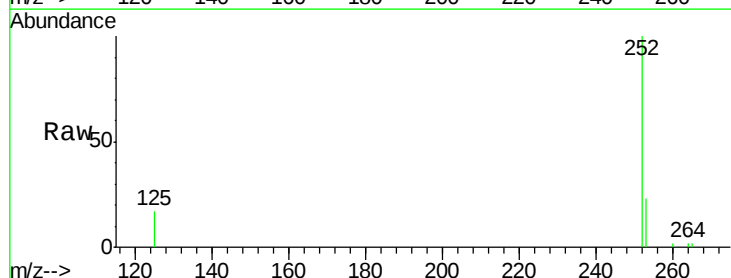
RT: 21.00 min Scan# 3660

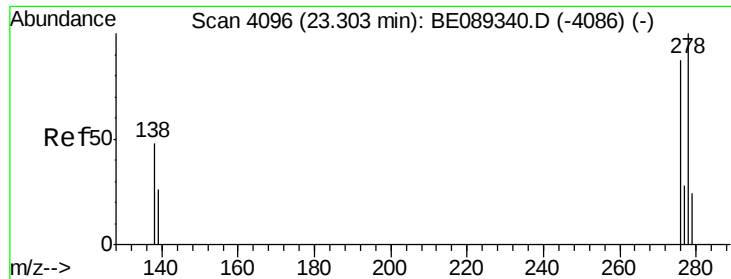
Delta R.T. -0.01 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

Tgt Ion:	252	Resp:	6024
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.3	27.5
125	17.4	13.8	20.8





#25

Dibenzo(a,h)anthracene

Concen: 1.04 ng

RT: 23.30 min Scan# 4095

Delta R.T. -0.01 min

Lab File: BE089344.D

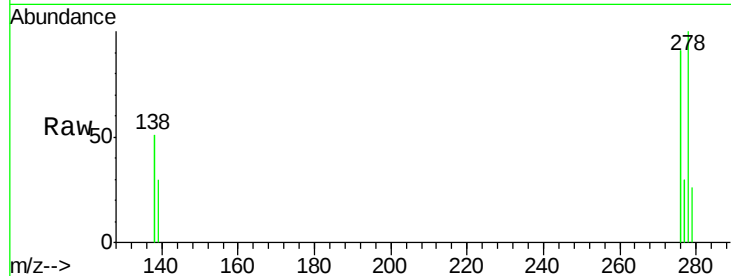
Acq: 8 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

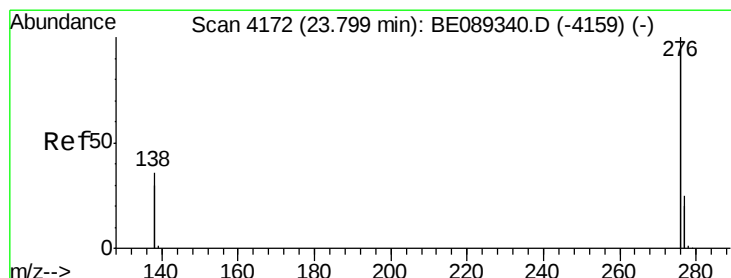
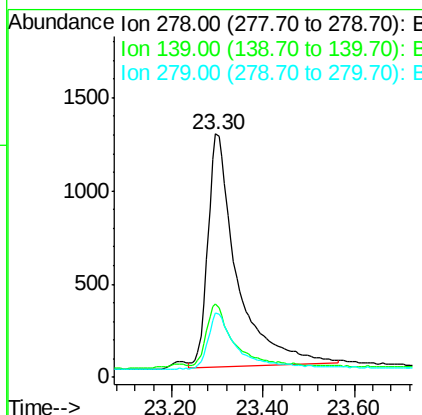
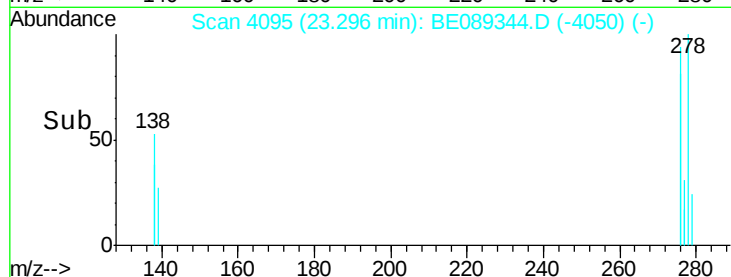
ICVBE010715



Tgt Ion:	278	Resp:	5544
Ion Ratio	Lower	Upper	
278	100		
139	30.2	22.9	34.3
279	26.4	20.8	31.2

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#26

Benzo(g,h,i)perylene

Concen: 1.04 ng

RT: 23.80 min Scan# 4172

Delta R.T. -0.00 min

Lab File: BE089344.D

Acq: 8 Jan 2015 00:19

Tgt Ion:	276	Resp:	27954
Ion Ratio	Lower	Upper	
276	100		
277	25.3	20.0	30.0
138	36.4	28.5	42.7

