

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010915\
 Data File : BE089388.D
 Acq On : 9 Jan 2015 19:34
 Operator : TP/IZ
 Sample : PB81206BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81206BS

Manual Integrations
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 1/12/2015 4:10:15 PM

Quant Time: Jan 10 00:39:28 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 10 00:23:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	23170	5.00	ng	0.00
2) Naphthalene-d8	8.49	136	89118	5.00	ng	0.00
6) Acenaphthene-d10	10.63	164	39441	5.00	ng	0.00
11) Phenanthrene-d10	12.68	188	60785	5.00	ng	0.00
15) Chrysene-d12	18.03	240	44254	5.00	ng	0.00
21) Perylene-d12	21.07	264	40383	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.62	82	50195	8.10	ng	0.00
7) 2-Fluorobiphenyl	9.83	172	78463	7.29	ng	0.00
17) Terphenyl-d14	15.80	244	54428	6.95	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.52	128	136767	6.82	ng	98
5) 2-Methylnaphthalene	9.37	142	83866	6.68	ng	98
8) Acenaphthylene	10.45	152	479608	7.11	ng	99
9) Acenaphthene	10.67	154	69827	6.64	ng	90
10) Fluorene	11.32	166	77721	6.90	ng	100
12) Phenanthrene	12.72	178	433100	6.83	ng	98
13) Anthracene	12.80	178	443948	7.25	ng	99
14) Fluoranthene	14.91	202	98022	6.99	ng	98
16) Pyrene	15.36	202	103221	7.11	ng	98
18) Benzo(a)anthracene	18.00	228	322865	7.19	ng	99
19) Chrysene	18.08	228	332391	7.39	ng	98
20) Indeno(1,2,3-cd)pyrene	23.15	276	312017m	7.24	ng	
22) Benzo(b)fluoranthene	20.32	252	70506	7.99	ng	98
23) Benzo(k)fluoranthene	20.37	252	84162	7.57	ng	98
24) Benzo(a)pyrene	20.96	252	70859	8.14	ng	97
25) Dibenzo(a,h)anthracene	23.23	278	59738	7.49	ng	96
26) Benzo(g,h,i)perylene	23.72	276	279643	6.96	ng	97

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

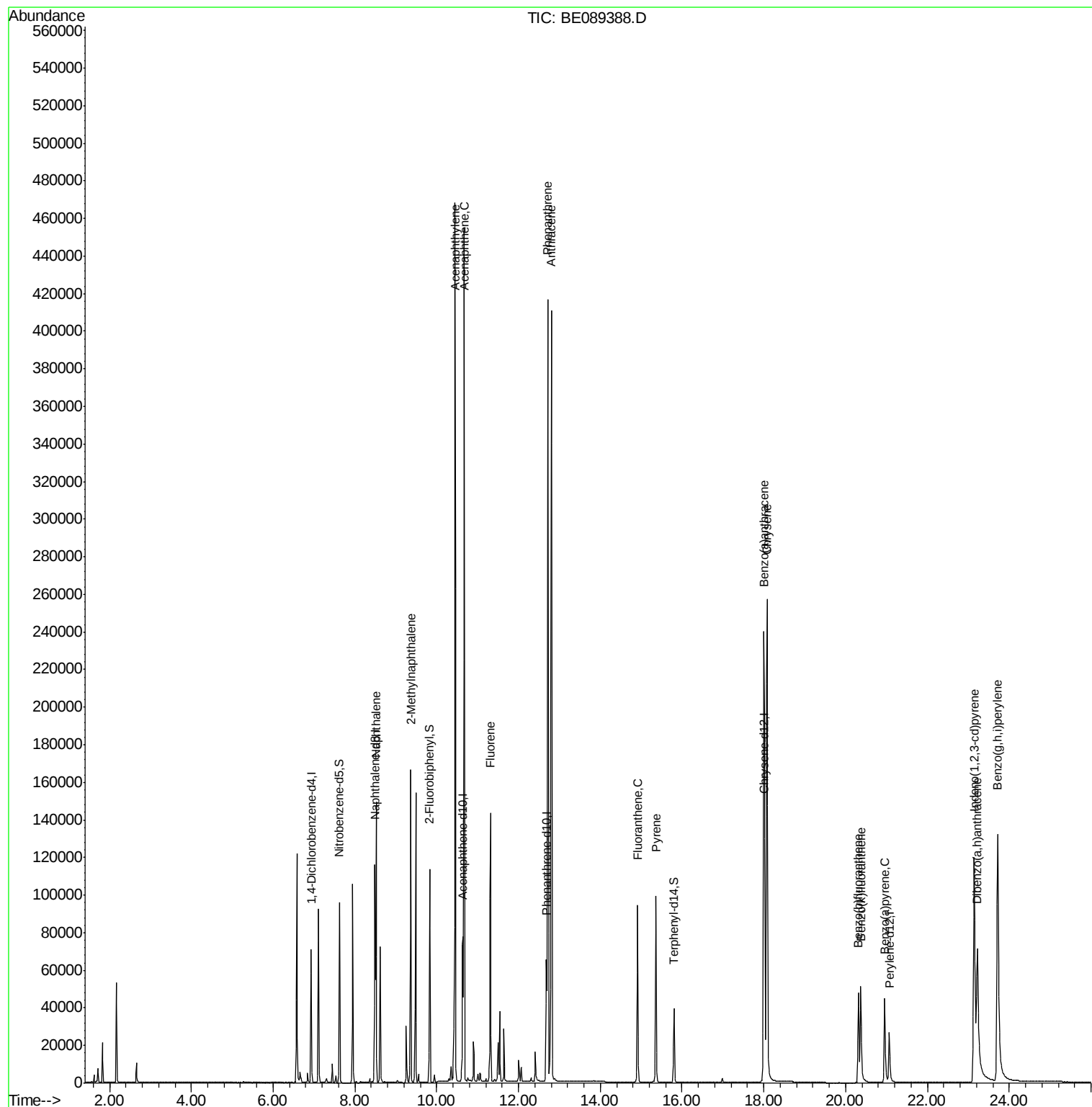
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010915\
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ALS Vial : 13 Sample Multiplier: 1

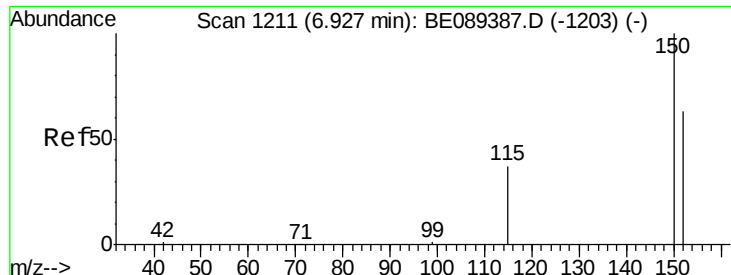
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.93 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BE089388.D

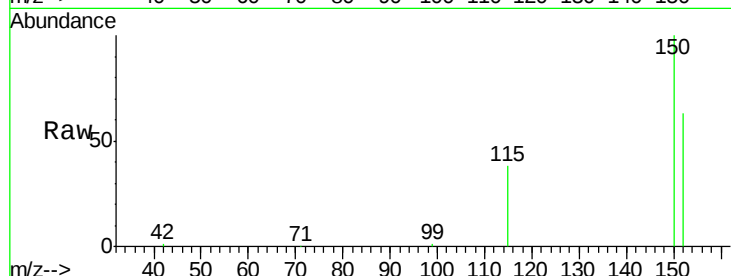
Acq: 9 Jan 2015 19:34

Instrument :

BNA_E

ClientSampleId :

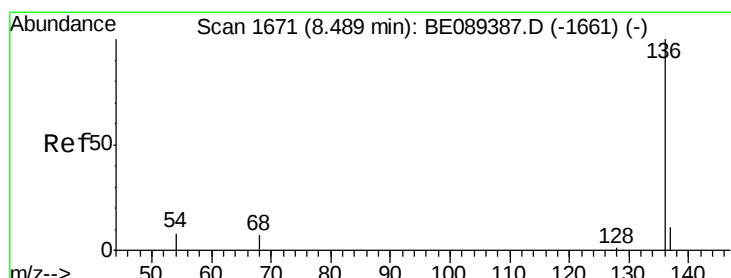
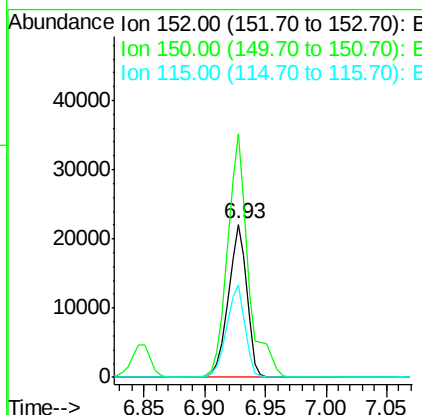
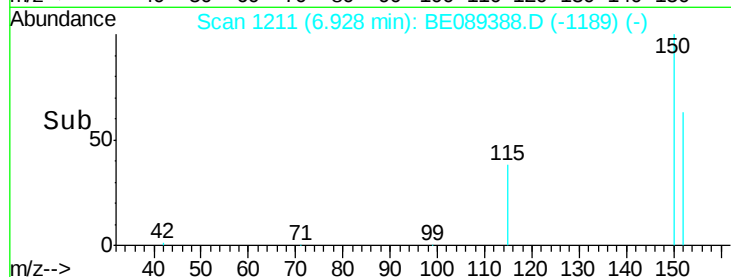
PB81206BS



Tgt Ion:	152	Resp:	23170
Ion Ratio	Lower	Upper	
152	100		
150	159.0	121.5	182.3
115	60.5	45.2	67.8

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#2

Naphthalene-d8

Concen: 5.00 ng

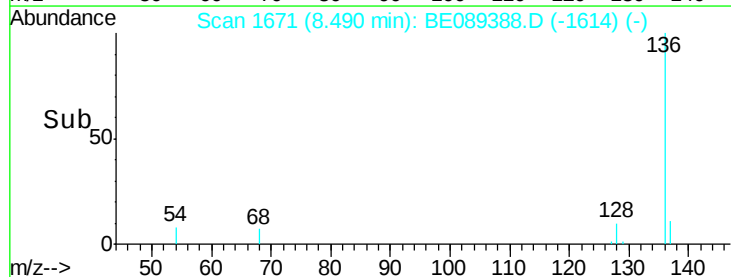
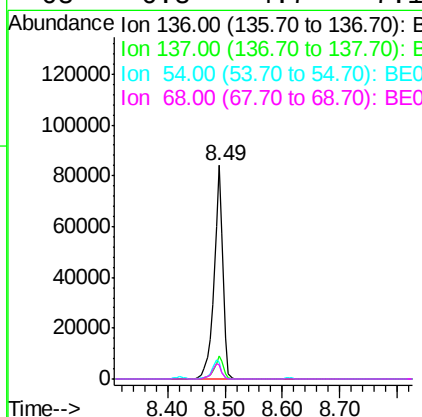
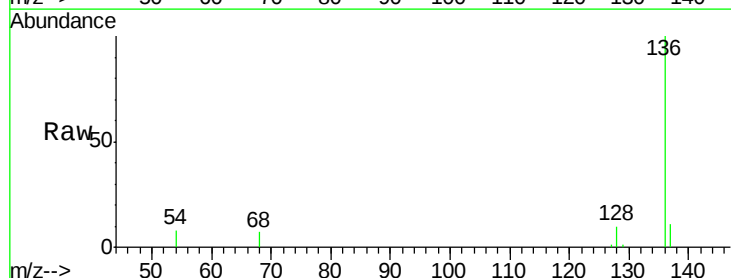
RT: 8.49 min Scan# 1671

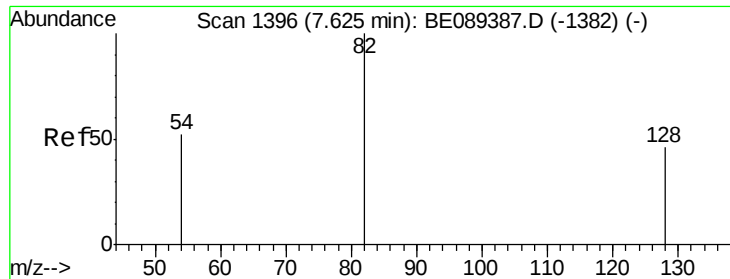
Delta R.T. 0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

Tgt Ion:	136	Resp:	89118
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.7	5.4	8.0
68	6.8	4.7	7.1





#3

Nitrobenzene-d5

Concen: 8.10 ng

RT: 7.62 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

Instrument :

BNA_E

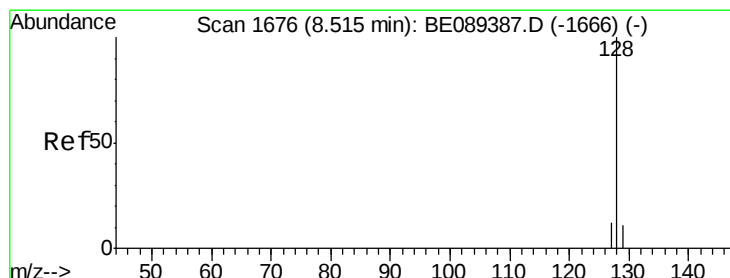
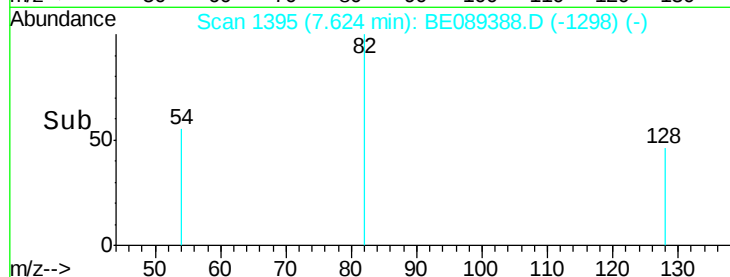
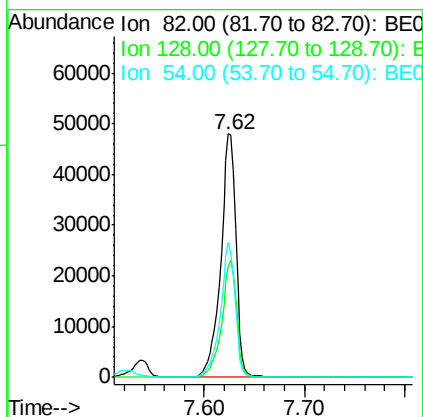
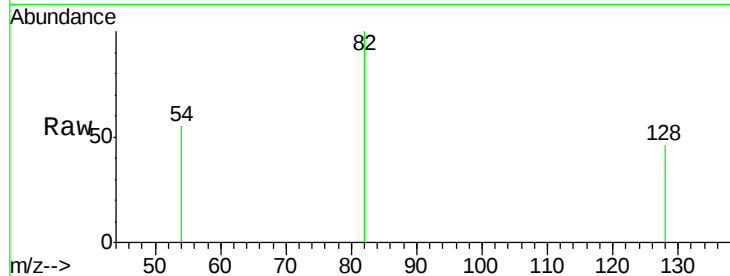
ClientSampleId :

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Tgt Ion:	82	Resp:	50195
Ion Ratio	Lower	Upper	
82	100		
128	45.5	36.5	54.7
54	55.1	43.5	65.3



#4

Naphthalene

Concen: 6.82 ng

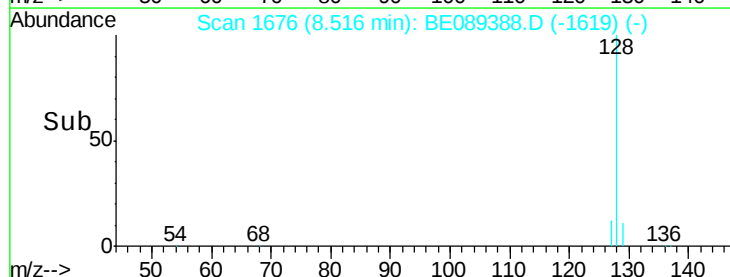
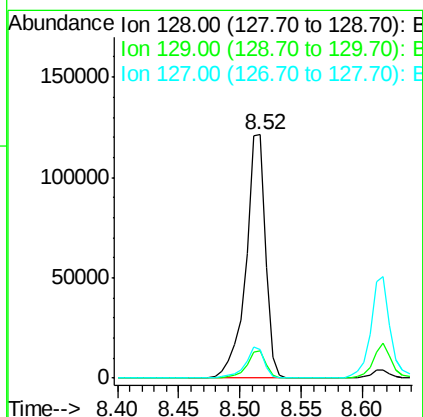
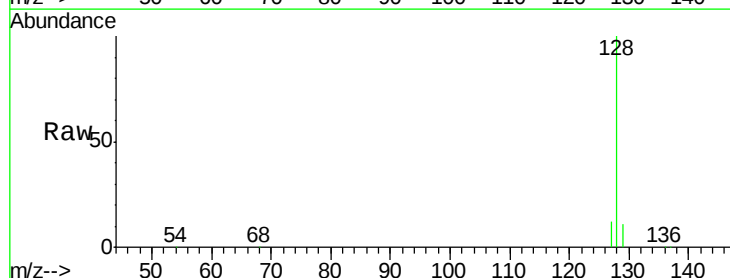
RT: 8.52 min Scan# 1676

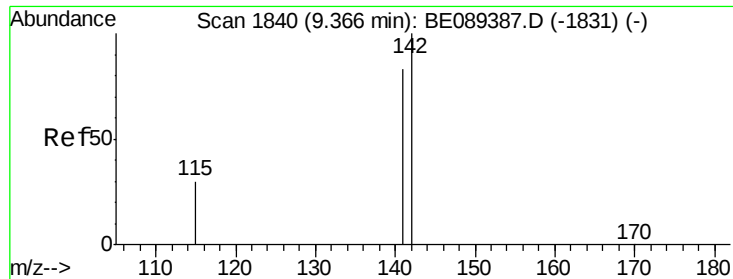
Delta R.T. 0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

Tgt Ion:	128	Resp:	136767
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.8	13.2
127	11.6	10.0	15.0





#5

2-Methylnaphthalene

Concen: 6.68 ng

RT: 9.37 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BE089388.D

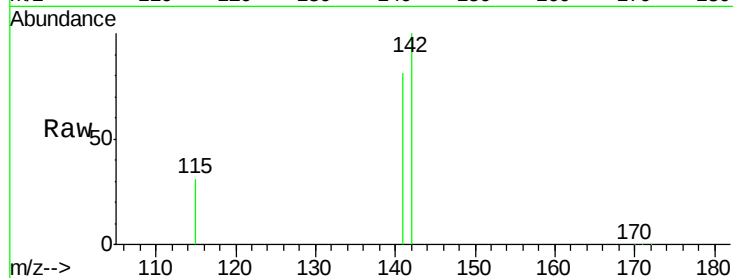
Acq: 9 Jan 2015 19:34

Instrument :

BNA_E

ClientSampleId :

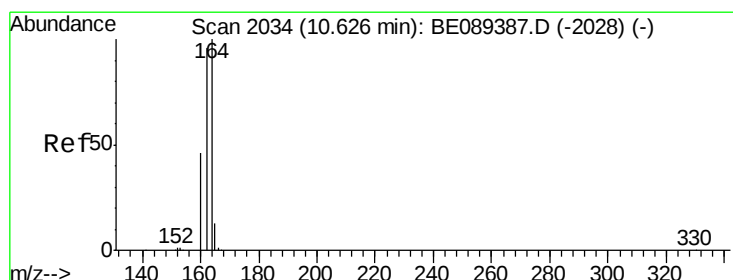
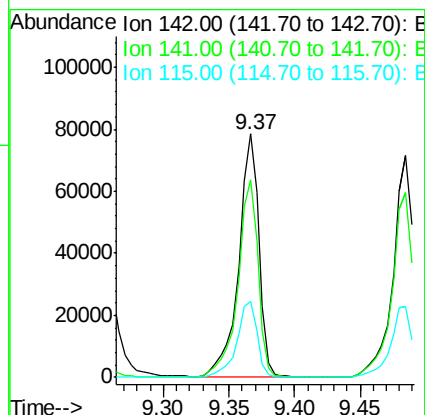
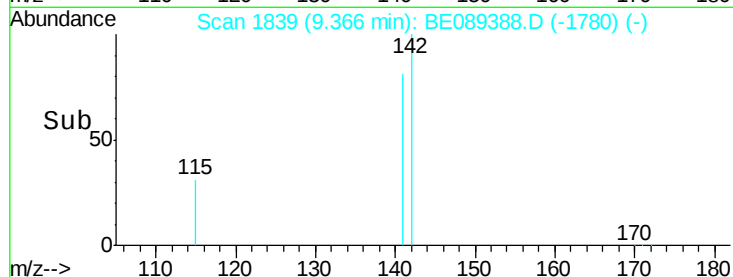
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Tgt Ion:	142	Resp:	83866
Ion Ratio	Lower	Upper	
142	100		
141	81.0	66.3	99.5
115	31.3	25.2	37.8

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#6

Acenaphthene-d10

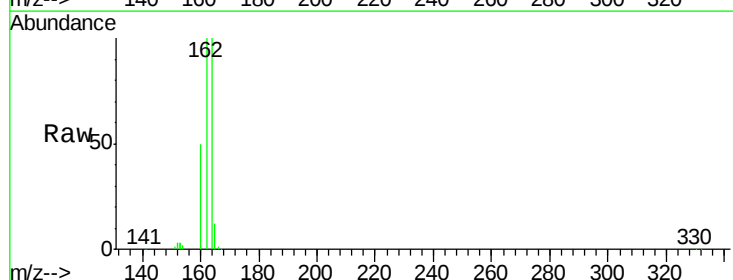
Concen: 5.00 ng

RT: 10.63 min Scan# 2033

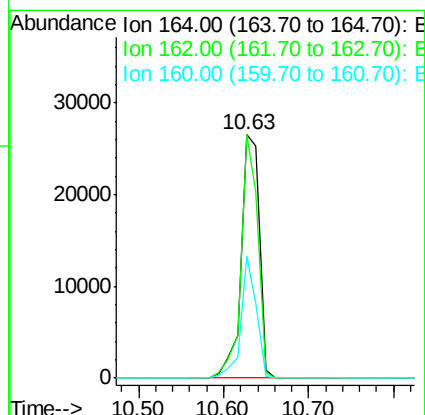
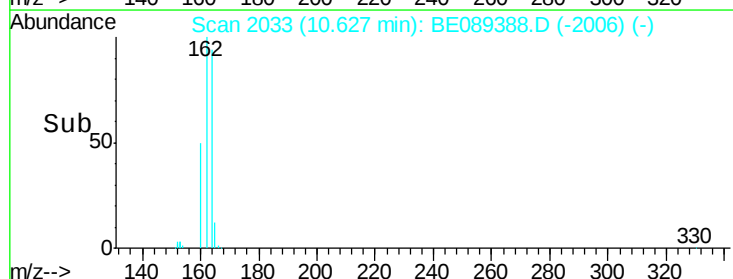
Delta R.T. 0.00 min

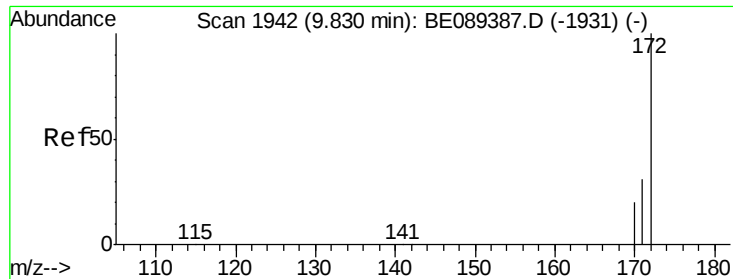
Lab File: BE089388.D

Acq: 9 Jan 2015 19:34



Tgt Ion:	164	Resp:	39441
Ion Ratio	Lower	Upper	
164	100		
162	100.0	77.4	116.2
160	50.0	38.2	57.4





#7

2-Fluorobiphenyl

Concen: 7.29 ng

RT: 9.83 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BE089388.D

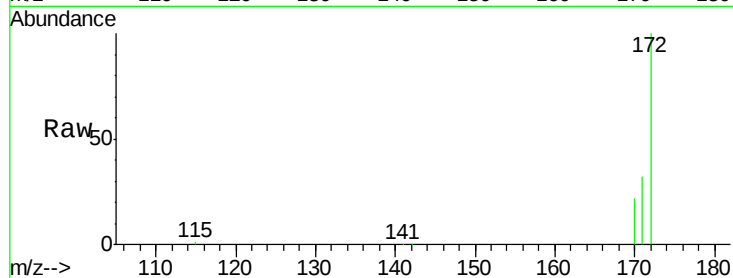
Acq: 9 Jan 2015 19:34

Instrument :

BNA_E

ClientSampleId :

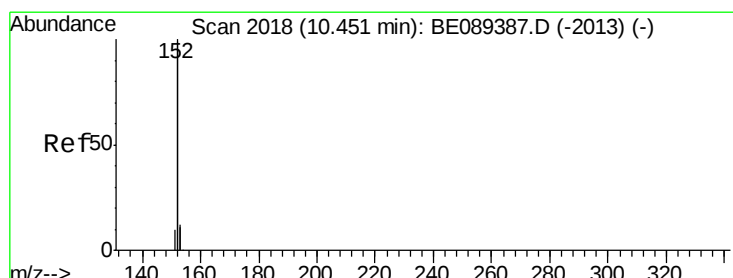
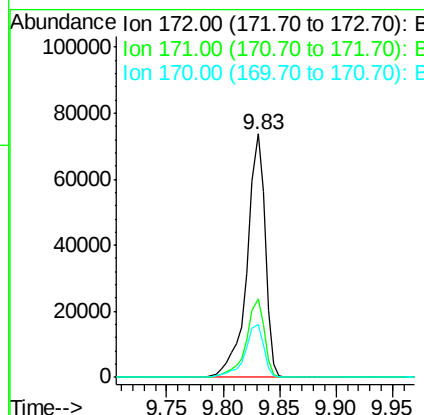
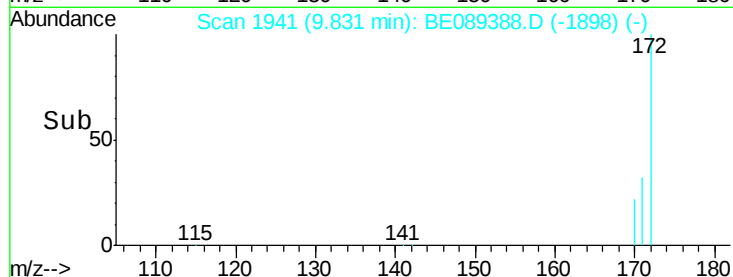
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Tgt Ion:	172	Resp:	78463
Ion Ratio	Lower	Upper	
172	100		
171	32.1	26.4	39.6
170	21.6	18.0	27.0

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#8

Acenaphthylene

Concen: 7.11 ng

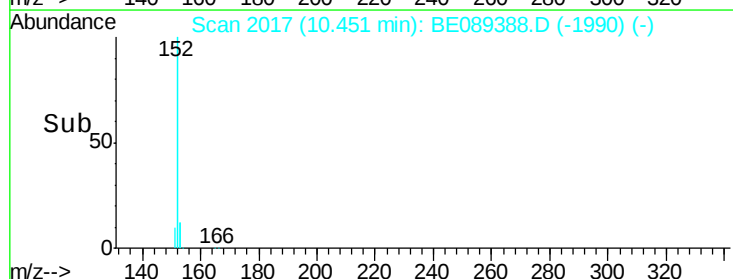
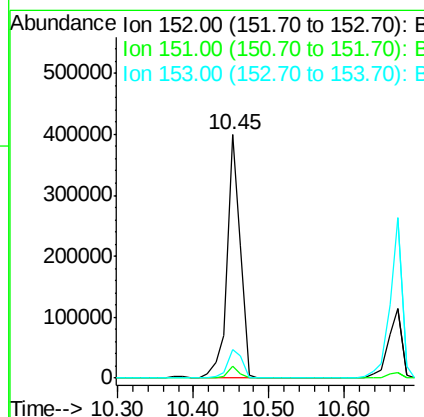
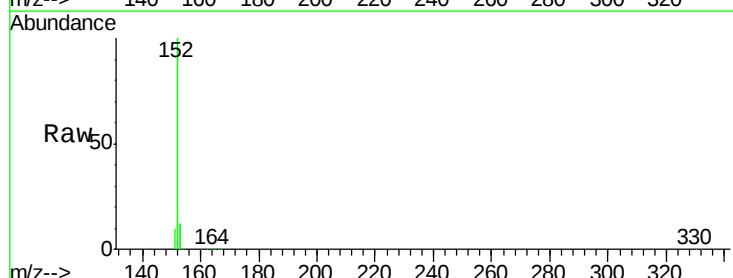
RT: 10.45 min Scan# 2017

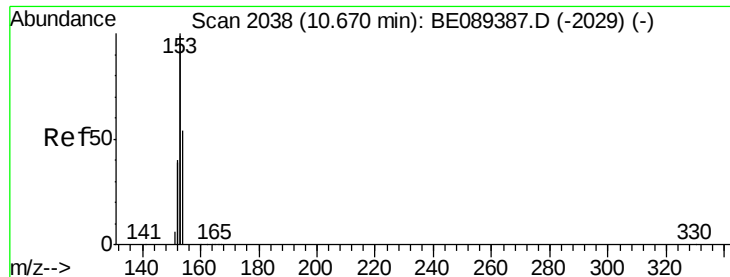
Delta R.T. 0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

Tgt Ion:	152	Resp:	479608
Ion Ratio	Lower	Upper	
152	100		
151	5.1	4.1	6.1
153	11.8	9.8	14.6





#9

Acenaphthene

Concen: 6.64 ng

RT: 10.67 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BE089388.D

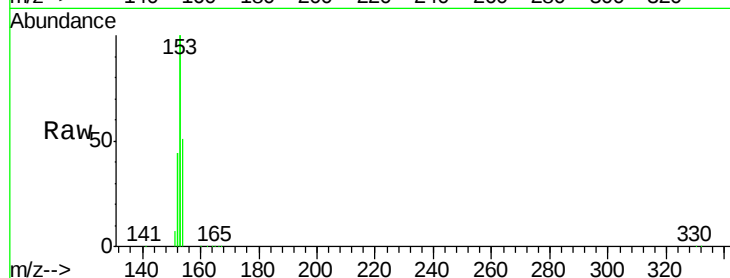
Acq: 9 Jan 2015 19:34

Instrument :

BNA_E

ClientSampleId :

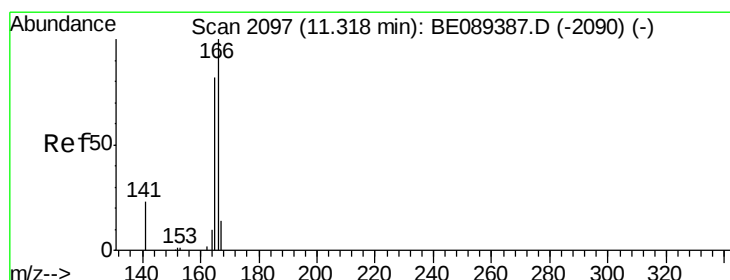
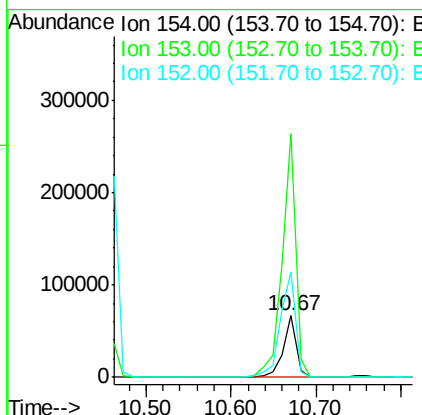
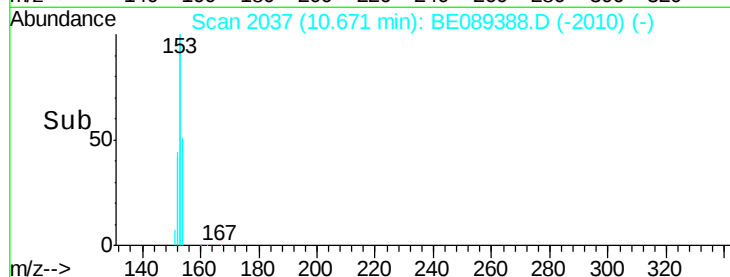
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Tgt Ion:	154	Resp:	69827
Ion Ratio	Lower	Upper	
154	100		
153	394.6	300.6	450.8
152	171.8	123.3	184.9

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#10

Fluorene

Concen: 6.90 ng

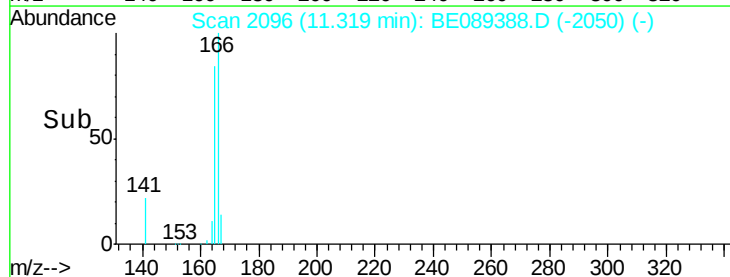
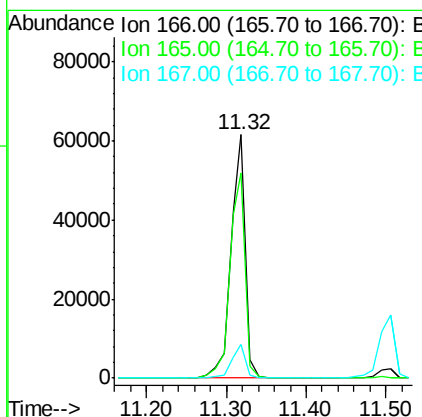
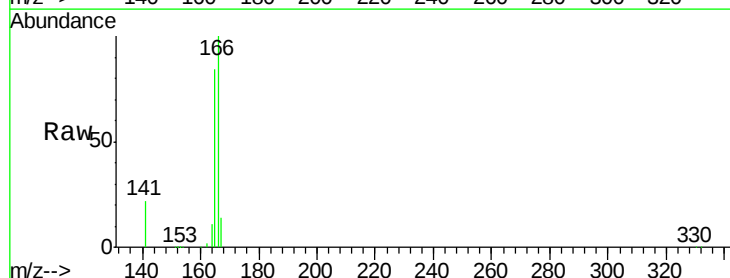
RT: 11.32 min Scan# 2096

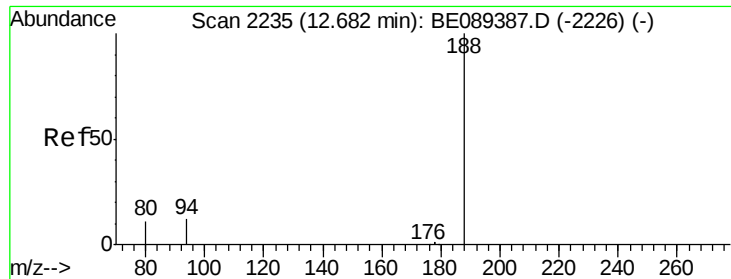
Delta R.T. 0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

Tgt Ion:	166	Resp:	77721
Ion Ratio	Lower	Upper	
166	100		
165	89.8	72.1	108.1
167	13.4	11.0	16.4





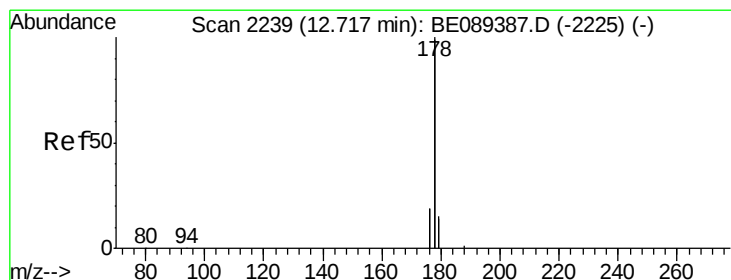
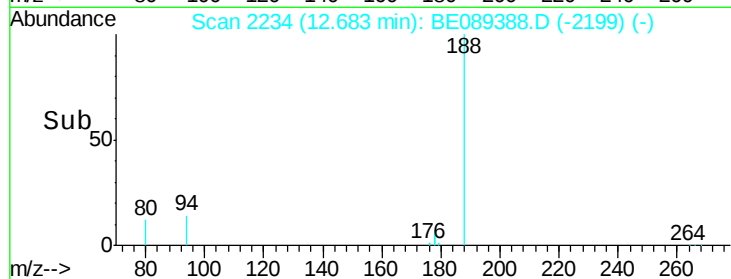
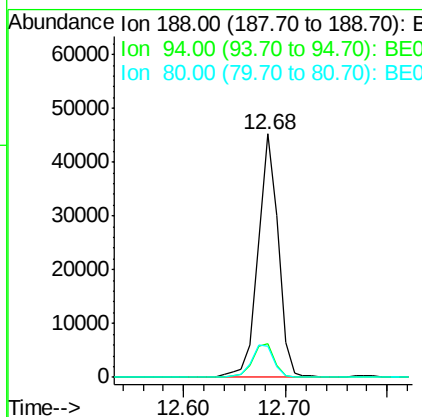
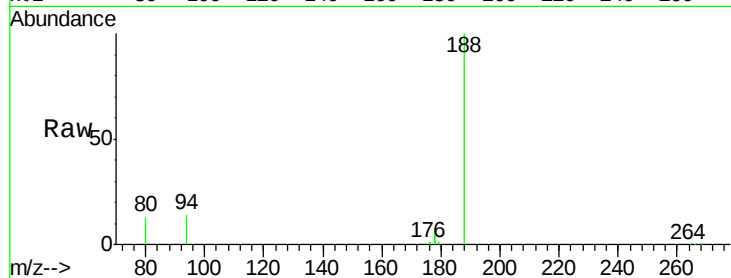
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.68 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BE089388.D
Acq: 9 Jan 2015 19:34

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.6	11.0	12.2#
80	12.6	10.1	11.1#

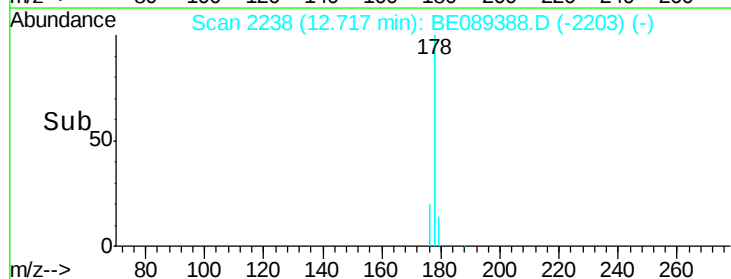
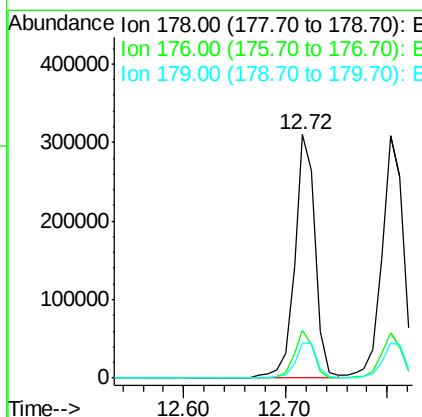
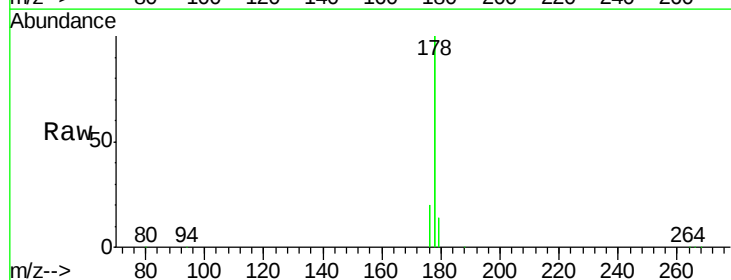
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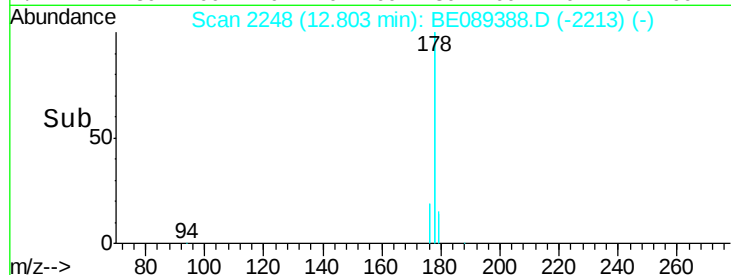
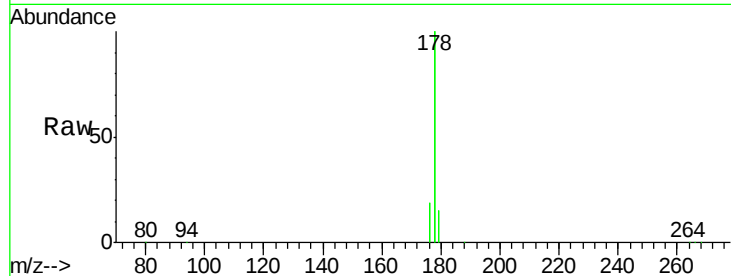
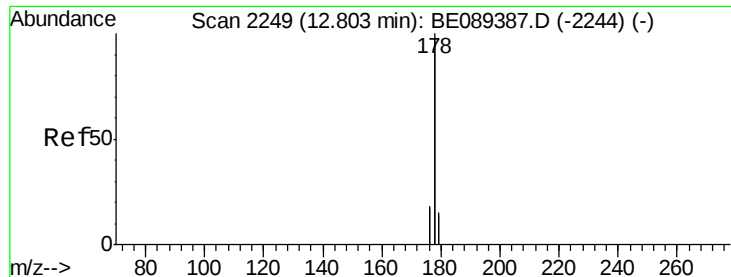
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#12
Phenanthrene
Concen: 6.83 ng
RT: 12.72 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE089388.D
Acq: 9 Jan 2015 19:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	15.1	22.7
179	14.5	12.2	18.2





#13

Anthracene

Concen: 7.25 ng

RT: 12.80 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

Tgt Ion:	178	Resp:	443948
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.7	22.1
179	14.6	12.0	18.0

Instrument :

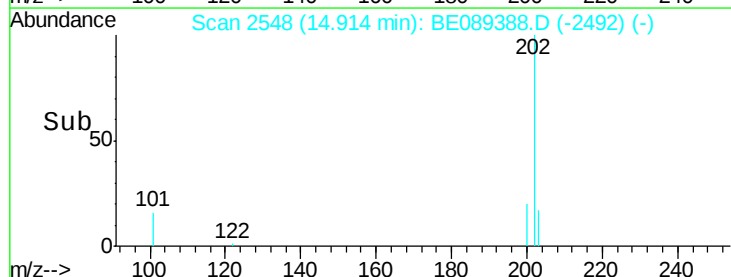
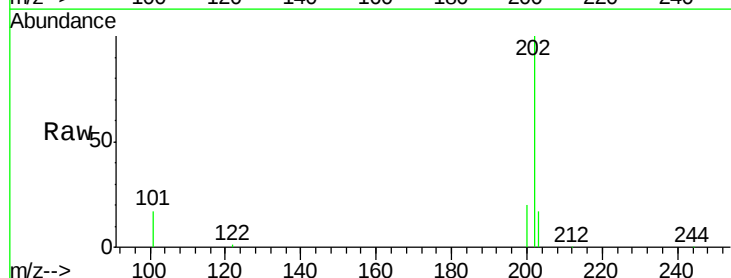
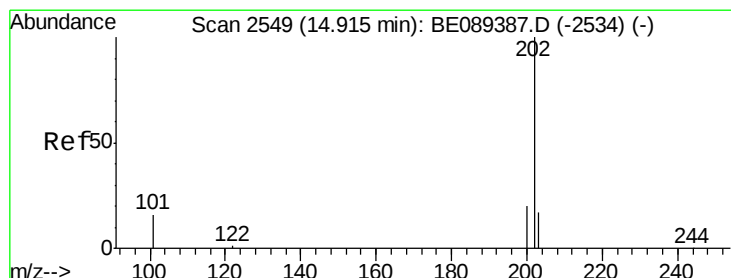
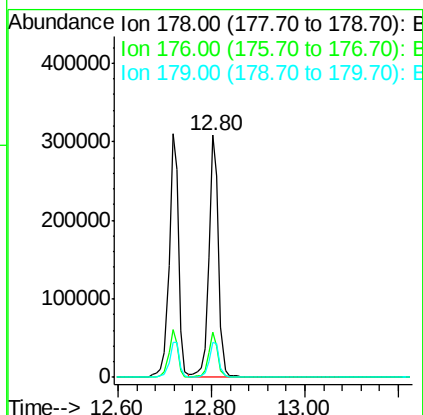
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ClientSampleId :

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#14

Fluoranthene

Concen: 6.99 ng

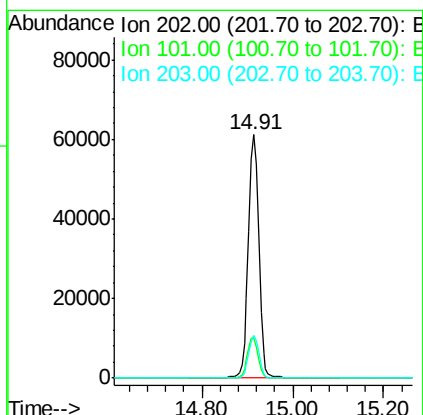
RT: 14.91 min Scan# 2548

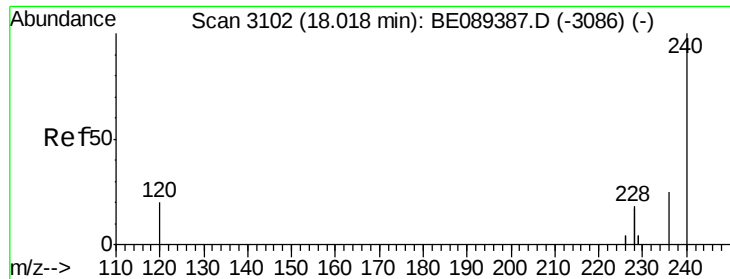
Delta R.T. -0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

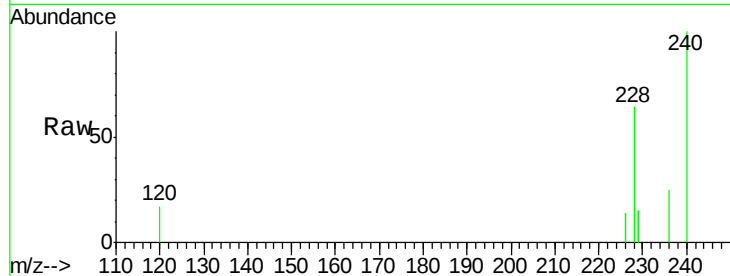
Tgt Ion:	202	Resp:	98022
Ion Ratio	Lower	Upper	
202	100		
101	16.6	0.0	37.9
203	17.4	0.0	37.5





#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.03 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BE089388.D
Acq: 9 Jan 2015 19:34

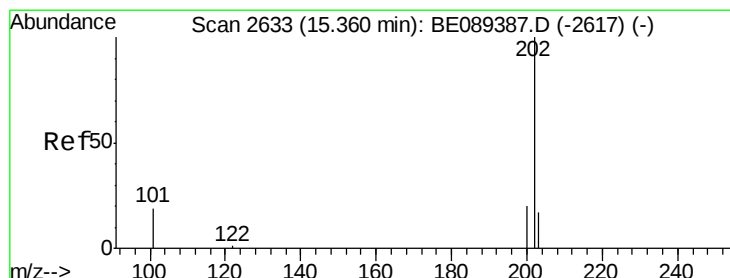
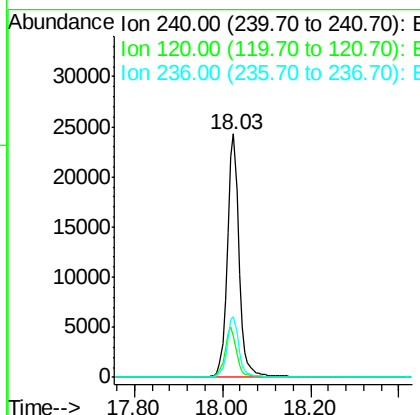
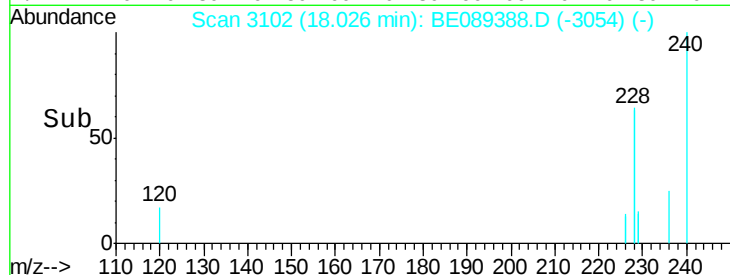
Instrument :
BNA_E
ClientSampleId :
PB81206BS



Tgt Ion: 240 Resp: 44254
Ion Ratio Lower Upper
240 100
120 16.8 11.8 17.6
236 25.1 20.0 30.0

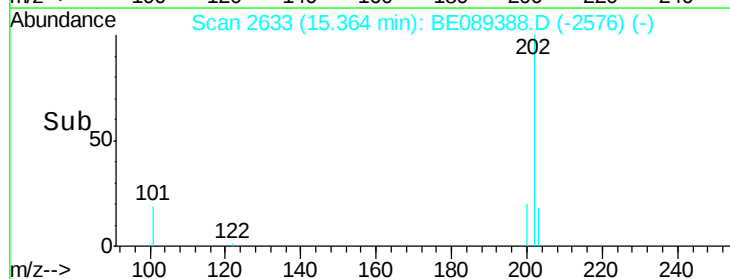
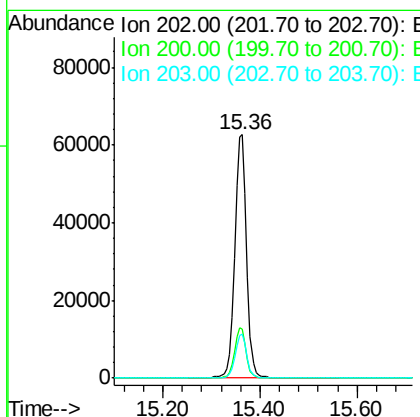
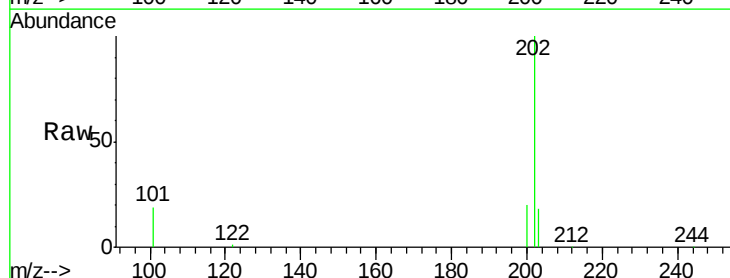
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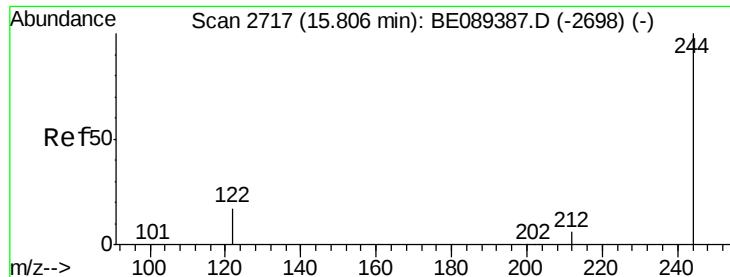
tejaskumar
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#16
Pyrene
Concen: 7.11 ng
RT: 15.36 min Scan# 2633
Delta R.T. 0.00 min
Lab File: BE089388.D
Acq: 9 Jan 2015 19:34

Tgt Ion: 202 Resp: 103221
Ion Ratio Lower Upper
202 100
200 20.1 16.8 25.2
203 18.0 14.0 21.0





#17

Terphenyl-d14

Concen: 6.95 ng

RT: 15.80 min Scan# 2716

Delta R.T. -0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

Instrument :

BNA_E

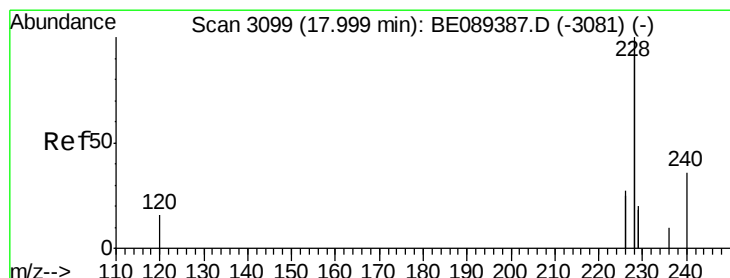
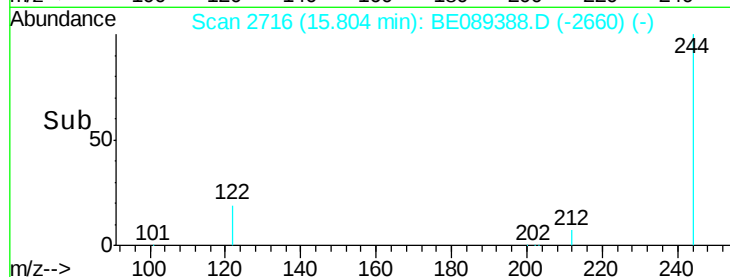
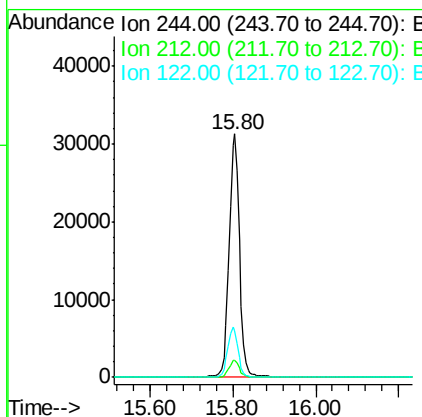
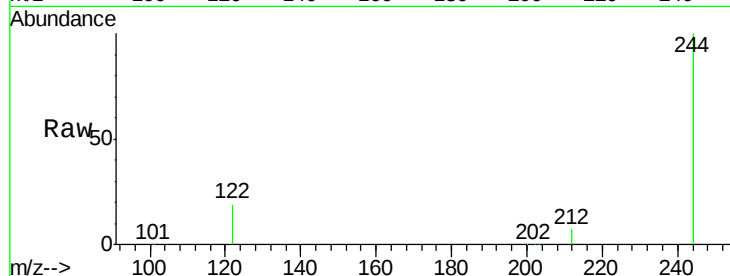
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	19.1	17.7	26.5

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#18

Benzo(a)anthracene

Concen: 7.19 ng

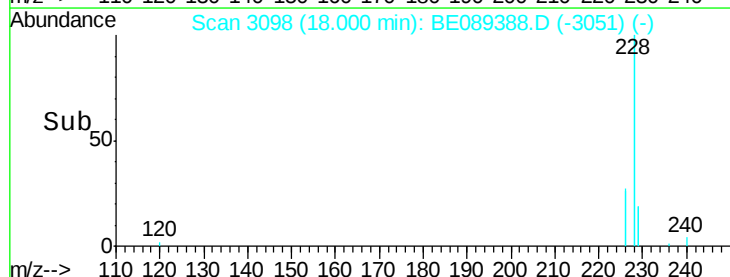
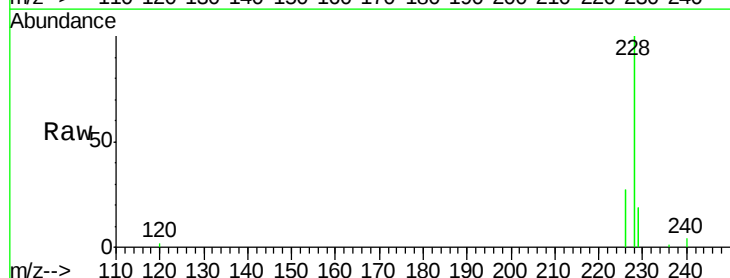
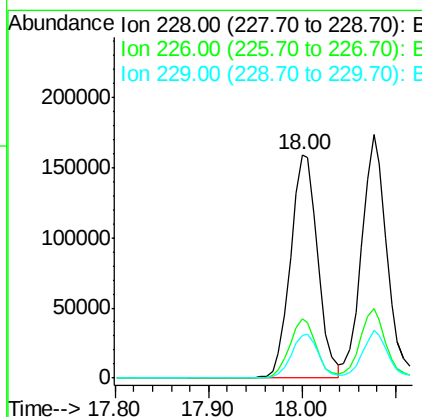
RT: 18.00 min Scan# 3098

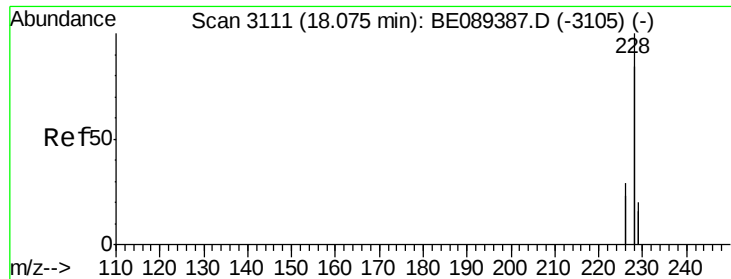
Delta R.T. 0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.0	31.6
229	19.3	16.0	24.0





#19

Chrysene

Concen: 7.39 ng

RT: 18.08 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BE089388.D

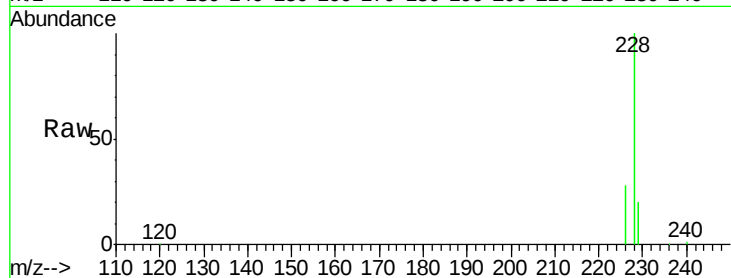
Acq: 9 Jan 2015 19:34

Instrument :

BNA_E

ClientSampleId :

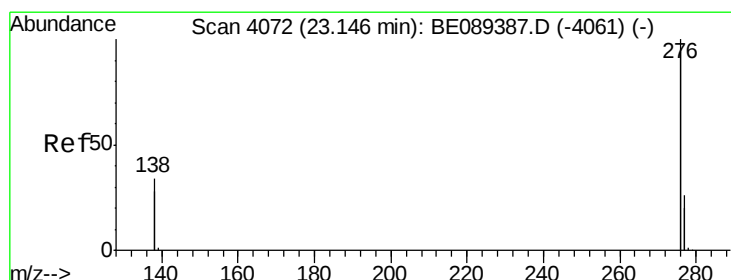
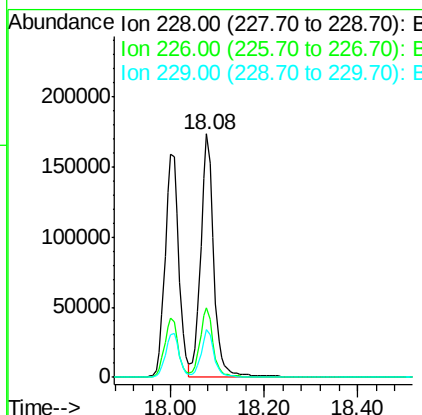
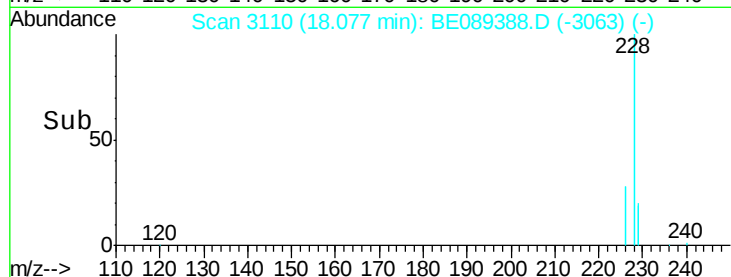
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Tgt	Ion	Ratio	Lower	Upper
228	100			
226	28.5	23.5	35.3	
229	19.5	16.1	24.1	

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#20

Indeno(1,2,3-cd)pyrene

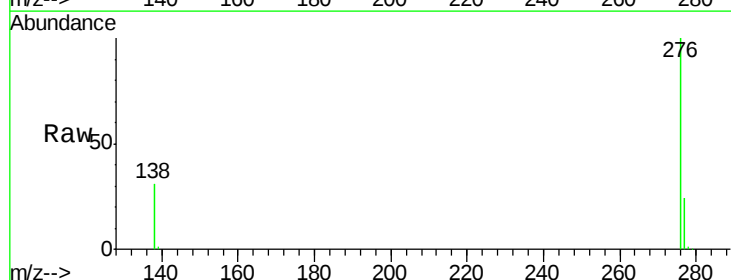
Concen: 7.24 ng m

RT: 23.15 min Scan# 4071

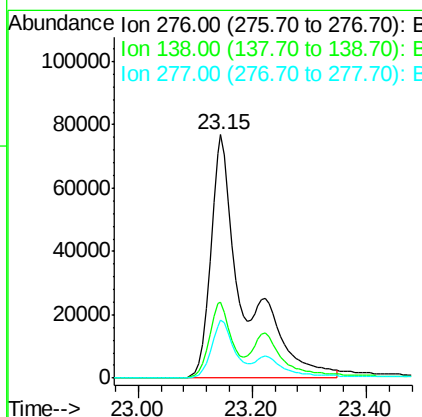
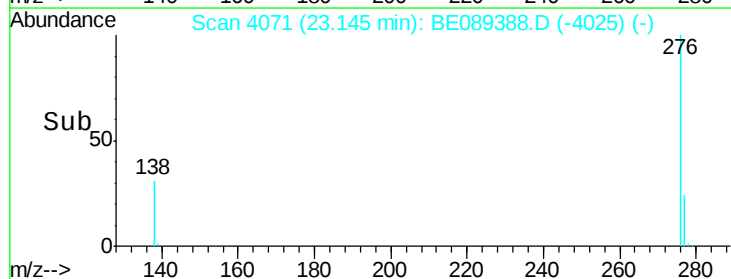
Delta R.T. -0.00 min

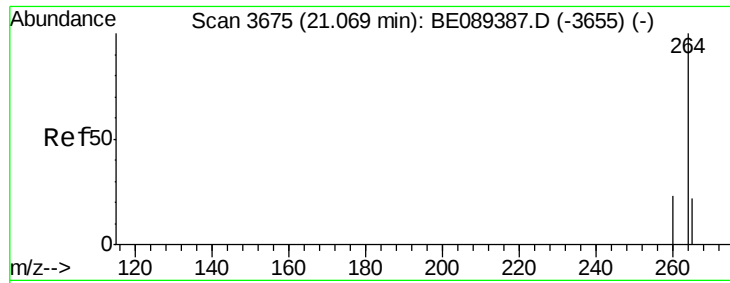
Lab File: BE089388.D

Acq: 9 Jan 2015 19:34



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	20.8	23.8	35.8#	
277	16.0	18.2	27.4#	





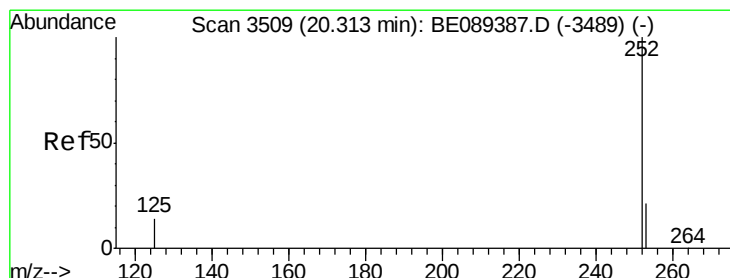
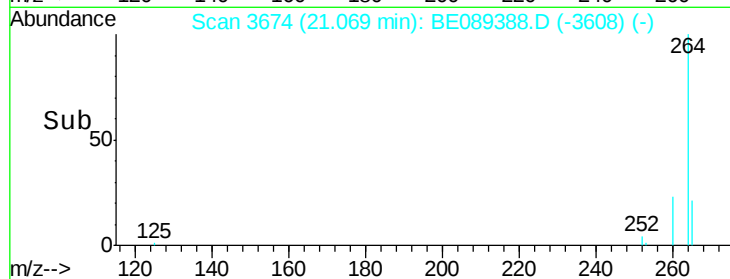
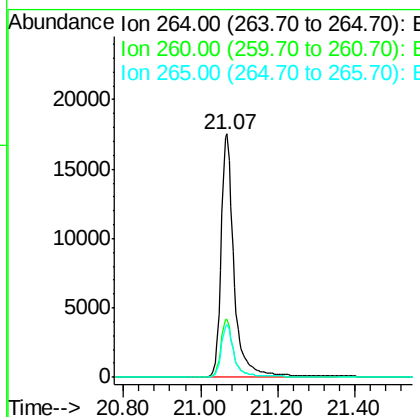
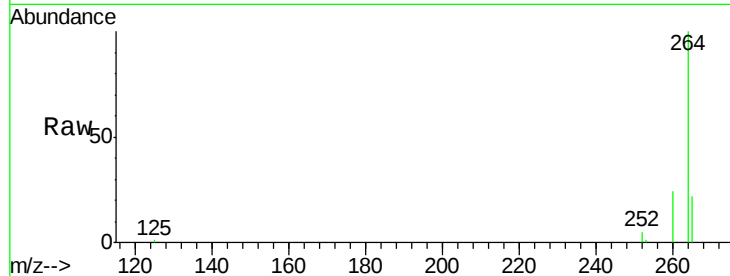
#21
Perylene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: BE089388.D
 Acq: 9 Jan 2015 19:34

Instrument :
 BNA_E
 ClientSampleId :
 PB81206BS

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	40383		
260	23.6	18.9	28.3	
265	21.6	17.4	26.2	

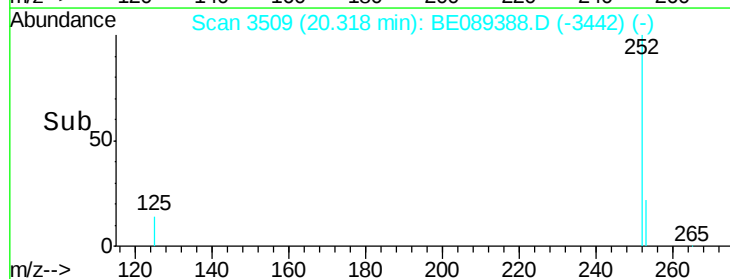
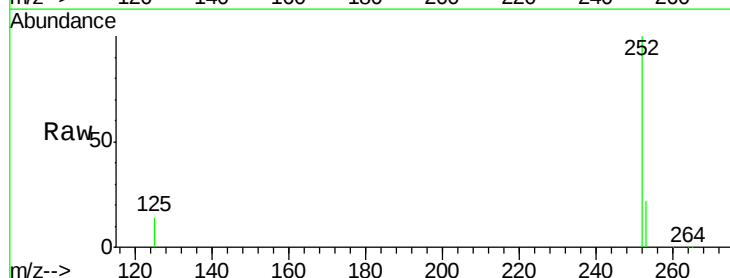
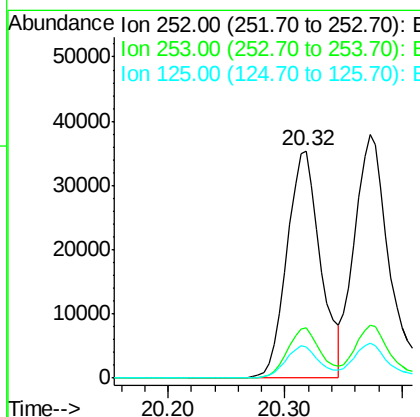
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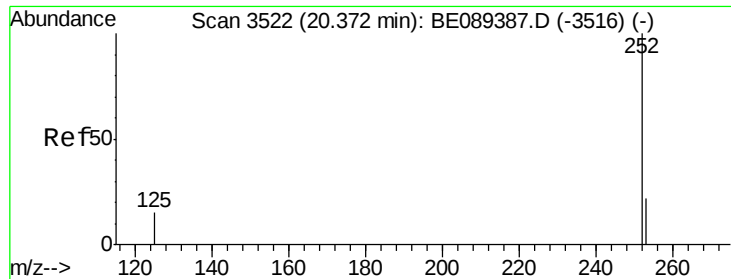
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#22
Benzo(b)fluoranthene
 Concen: 7.99 ng
 RT: 20.32 min Scan# 3509
 Delta R.T. 0.01 min
 Lab File: BE089388.D
 Acq: 9 Jan 2015 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	70506		
253	21.9	17.8	26.6	
125	14.0	12.6	18.8	





#23

Benzo(k)fluoranthene

Concen: 7.57 ng

RT: 20.37 min Scan# 3521

Delta R.T. 0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

Instrument :

BNA_E

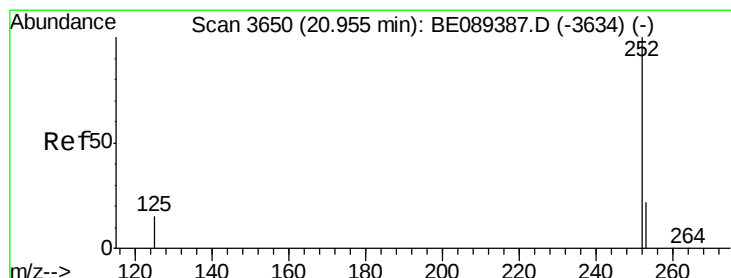
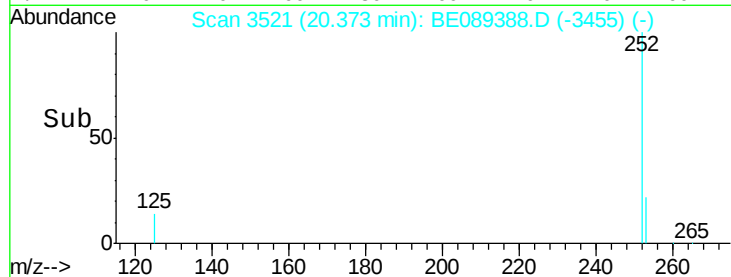
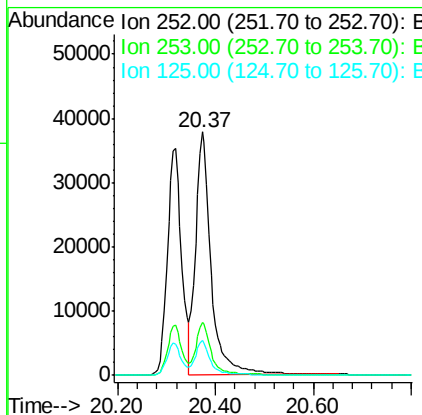
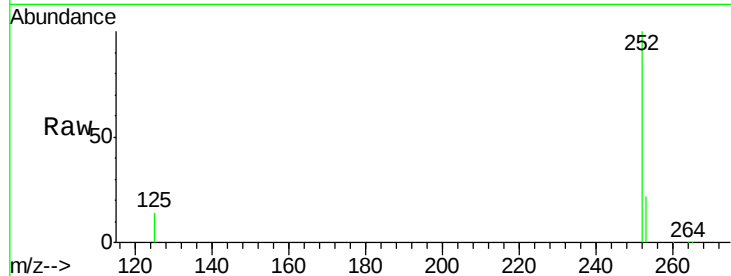
ClientSampleId :

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Tgt Ion:	252	Resp:	84162
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.0	27.0
125	14.3	12.4	18.6



#24

Benzo(a)pyrene

Concen: 8.14 ng

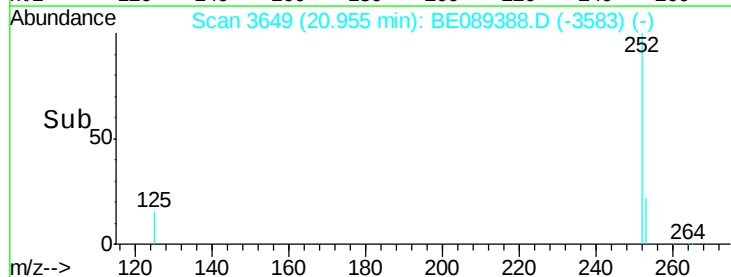
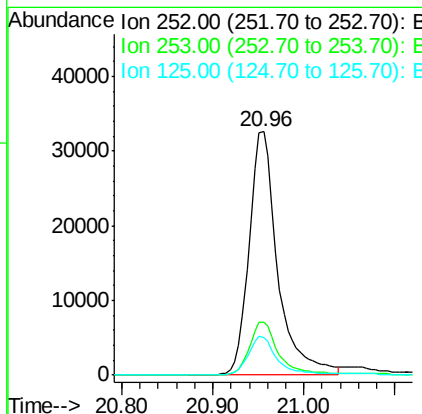
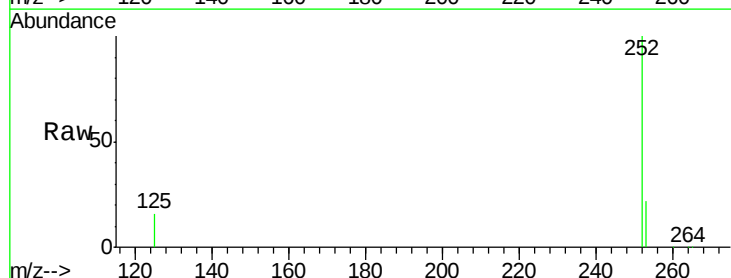
RT: 20.96 min Scan# 3649

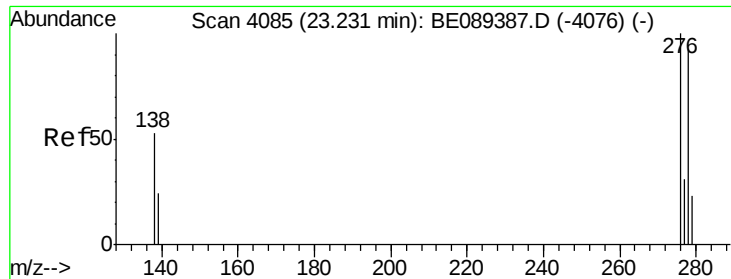
Delta R.T. 0.00 min

Lab File: BE089388.D

Acq: 9 Jan 2015 19:34

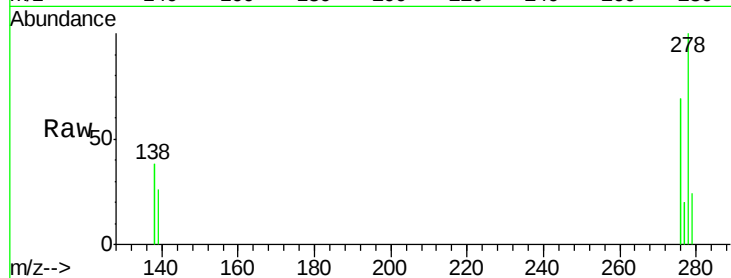
Tgt Ion:	252	Resp:	70859
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.3	27.5
125	15.5	13.8	20.8





#25
Dibenzo(a,h)anthracene
Concen: 7.49 ng
RT: 23.23 min Scan# 4084
Delta R.T. -0.00 min
Lab File: BE089388.D
Acq: 9 Jan 2015 19:34

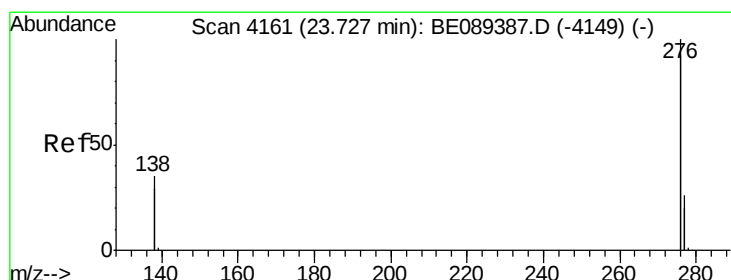
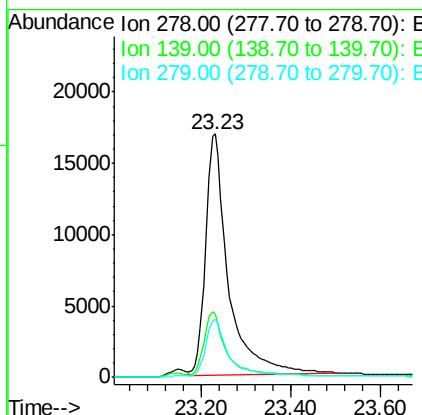
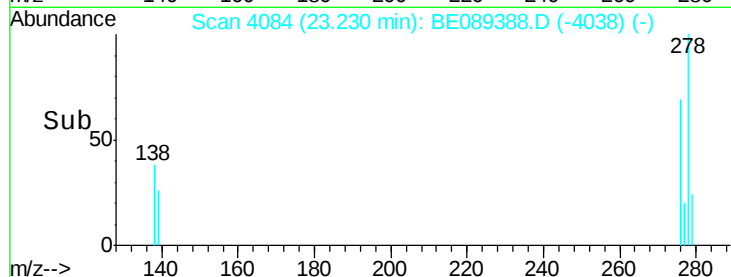
Instrument :
BNA_E
ClientSampleId :
PB81206BS



Tgt Ion: 278 Resp: 59738
Ion Ratio Lower Upper
278 100
139 26.0 22.9 34.3
279 23.9 20.8 31.2

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#26
Benzo(g,h,i)perylene
Concen: 6.96 ng
RT: 23.72 min Scan# 4159
Delta R.T. -0.01 min
Lab File: BE089388.D
Acq: 9 Jan 2015 19:34

Tgt Ion: 276 Resp: 279643
Ion Ratio Lower Upper
276 100
277 23.7 20.0 30.0
138 34.1 28.5 42.7

