

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120914\
 Data File : BE089191.D
 Acq On : 9 Dec 2014 17:36
 Operator : TP/JJ
 Sample : PB80762BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB80762BS

Manual Integrations
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mohammad
 12/10/2014 4:31:38 PM

Quant Time: Dec 10 00:54:37 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	20912	5.00	ng	-0.02
3) Naphthalene-d8	8.51	136	80410	5.00	ng	-0.02
7) Acenaphthene-d10	10.66	164	37648	5.00	ng	0.00
12) Phenanthrene-d10	12.72	188	53575	5.00	ng	-0.02
17) Chrysene-d12	18.07	240	36011	5.00	ng	-0.02
23) Perylene-d12	21.12	264	32756	5.00	ng	-0.03
System Monitoring Compounds						
4) Nitrobenzene-d5	7.65	82	46938	7.94	ng	-0.02
8) 2-Fluorobiphenyl	9.85	172	77440	7.43	ng	-0.01
19) Terphenyl-d14	15.85	244	51137	7.97	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.19	88	22555	8.63	ng	100
5) Naphthalene	8.54	128	130470	7.69	ng	98
6) 2-Methylnaphthalene	9.39	142	81335	7.85	ng	96
9) Acenaphthylene	10.47	152	468624	7.85	ng	100
10) Acenaphthene	10.69	154	67422	7.39	ng	95
11) Fluorene	11.34	166	74504	7.64	ng	100
13) Pentachlorophenol	12.43	266	18919	15.98	ng	93
14) Phenanthrene	12.75	178	410895	8.07	ng	100
15) Anthracene	12.84	178	426516	8.48	ng	100
16) Fluoranthene	14.96	202	90800	8.28	ng	100
18) Pyrene	15.40	202	95225	8.61	ng	99
20) Benzo(a)anthracene	18.05	228	296581	8.88	ng	99
21) Chrysene	18.12	228	297711	8.87	ng	98
22) Indeno(1,2,3-cd)pyrene	23.20	276	285217m	9.65	ng	
24) Benzo(b)fluoranthene	20.36	252	65848	9.53	ng	98
25) Benzo(k)fluoranthene	20.42	252	71346	8.75	ng	98
26) Benzo(a)pyrene	21.00	252	66371	9.86	ng	97
27) Dibenzo(a,h)anthracene	23.29	278	57609	9.89	ng	96
28) Benzo(g,h,i)perylene	23.79	276	251281	8.96	ng	96

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

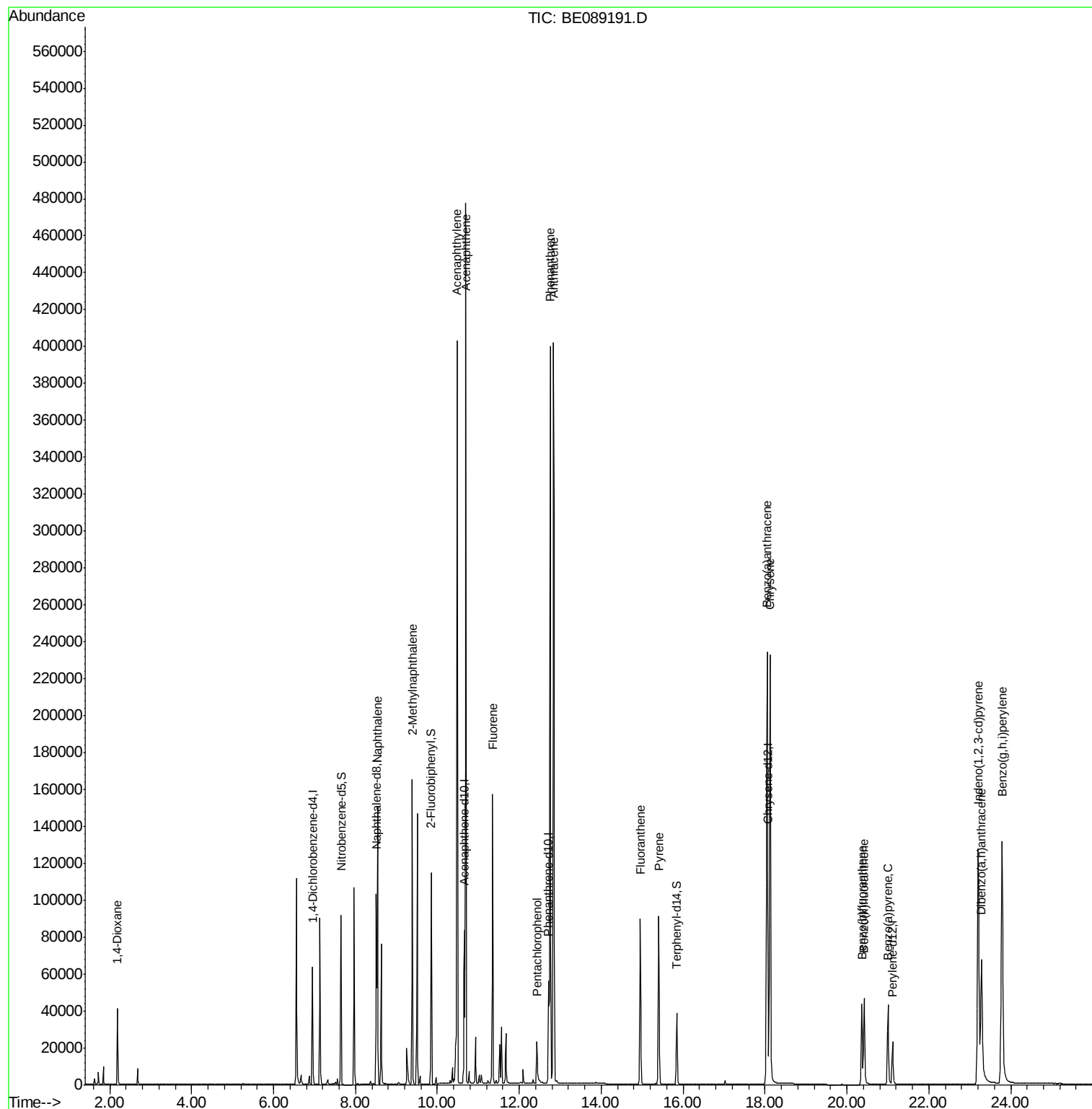
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120914\
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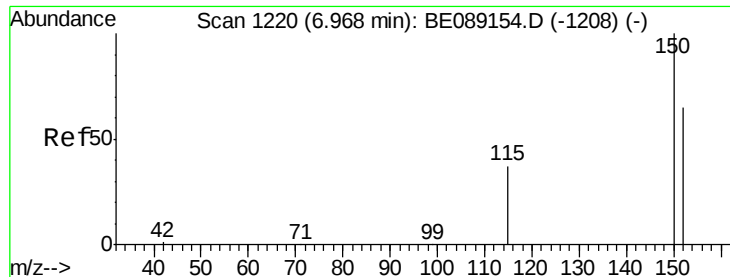
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE120514.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 08 00:50:53 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. -0.02 min

Lab File: BE089191.D

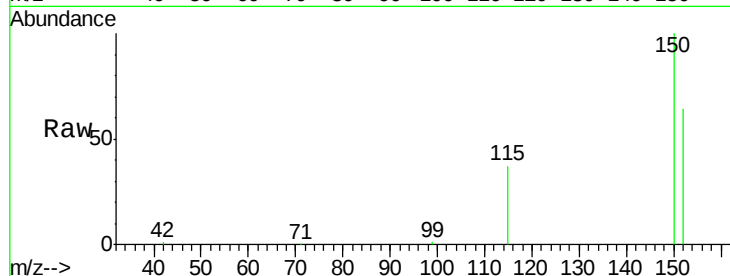
Acq: 9 Dec 2014 17:36

Instrument :

BNA_E

ClientSampleId :

PB80762BS



Tgt Ion: 152 Resp: 20912

Ion Ratio Lower Upper

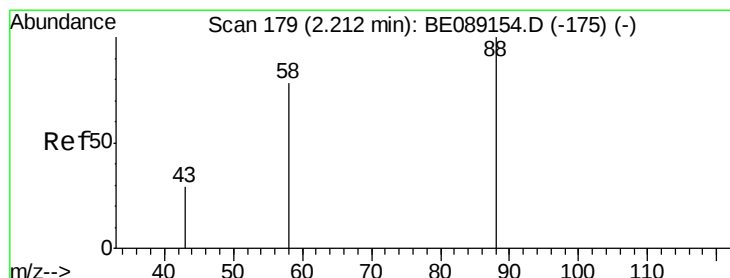
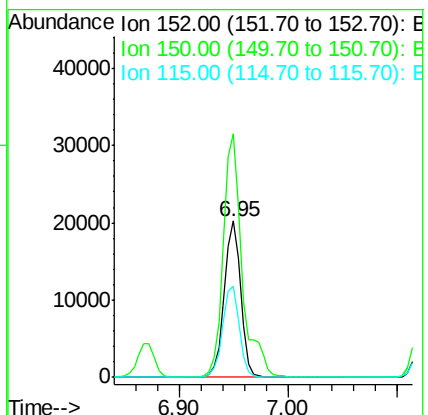
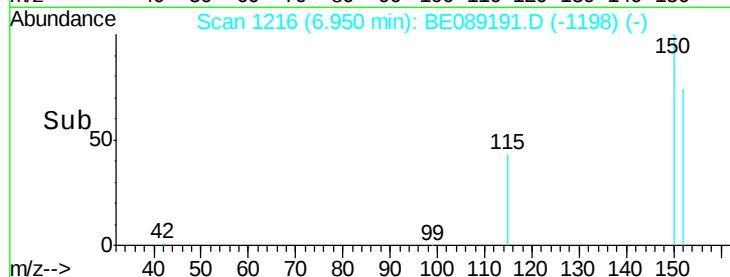
152 100

150 156.0 124.0 186.0

115 58.4 46.0 69.0

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#2

1,4-Dioxane

Concen: 8.63 ng

RT: 2.19 min Scan# 174

Delta R.T. -0.03 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

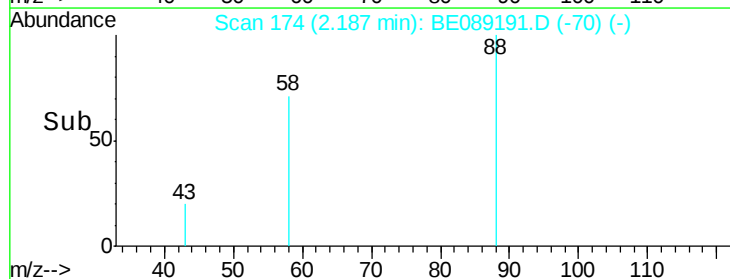
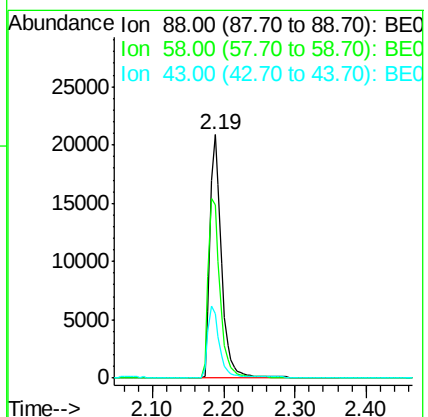
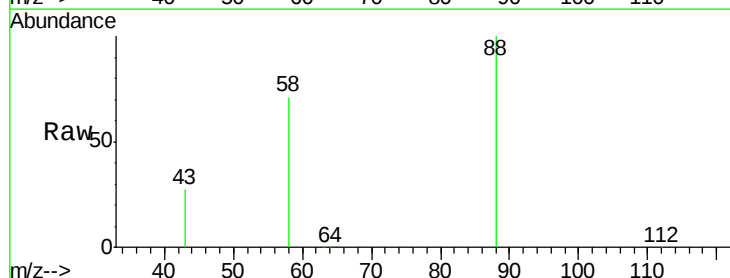
Tgt Ion: 88 Resp: 22555

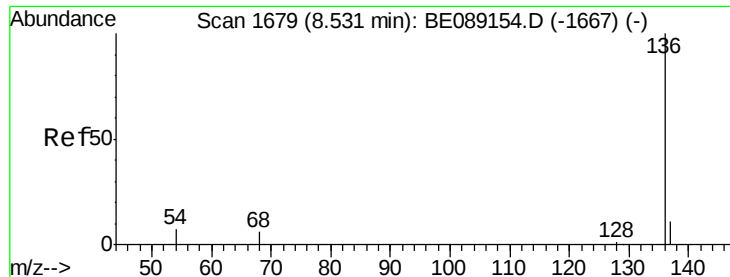
Ion Ratio Lower Upper

88 100

58 76.2 60.7 91.1

43 29.2 23.3 34.9





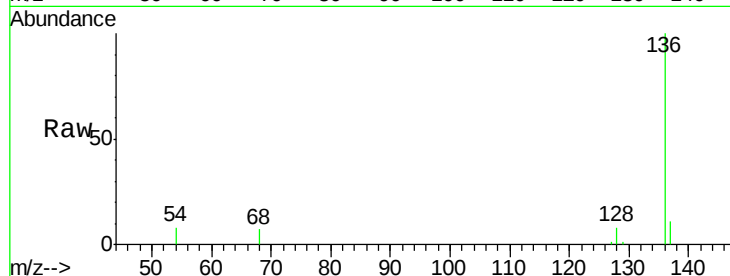
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.51 min Scan# 1676
Delta R.T. -0.02 min
Lab File: BE089191.D
Acq: 9 Dec 2014 17:36

Instrument :
BNA_E
ClientSampleId :
PB80762BS

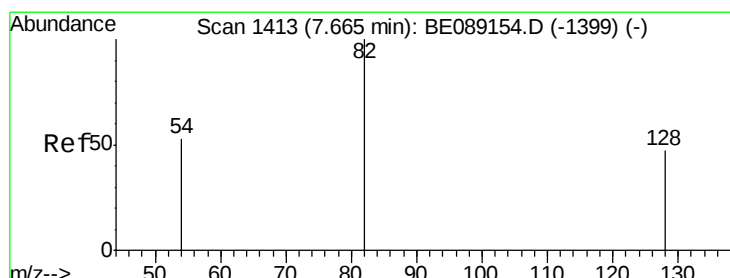
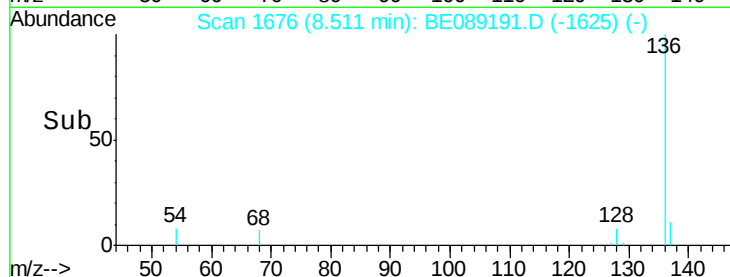
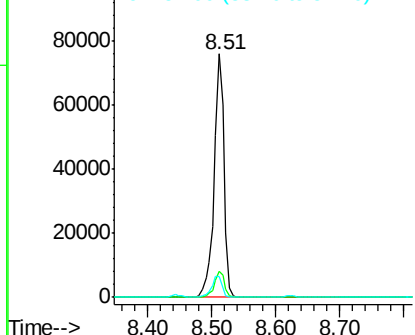
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	80410		
137	10.8		8.8	13.2
54	8.3		5.8	8.6

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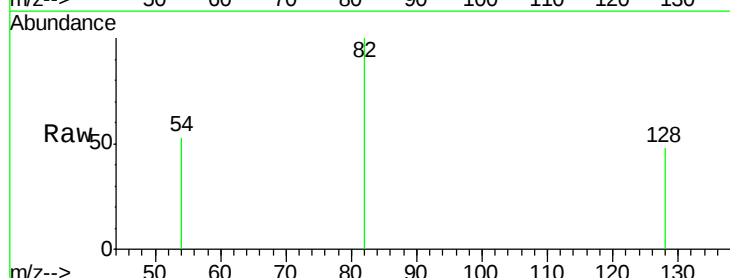


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

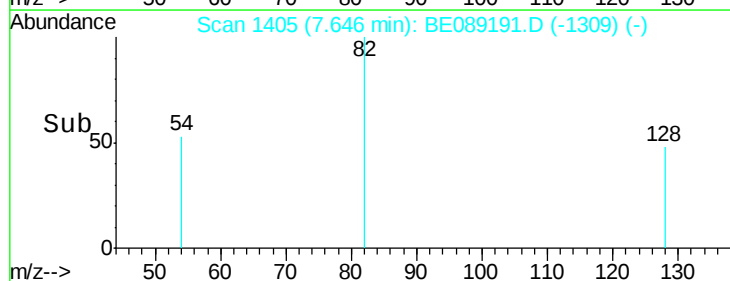
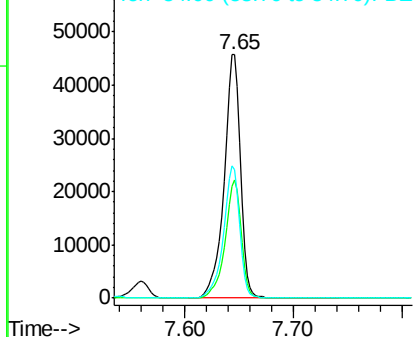


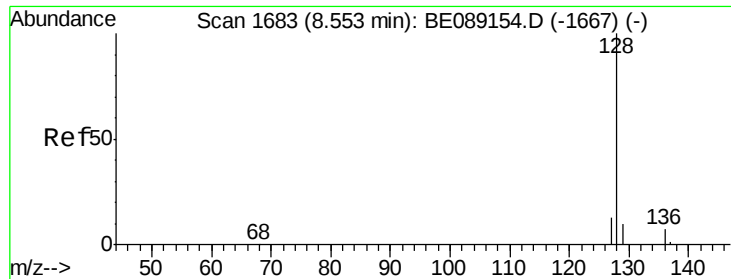
#4
Nitrobenzene-d5
Concen: 7.94 ng
RT: 7.65 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BE089191.D
Acq: 9 Dec 2014 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	46938		
128	48.3		37.8	56.6
54	52.6		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





#5

Naphthalene

Concen: 7.69 ng

RT: 8.54 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BE089191.D

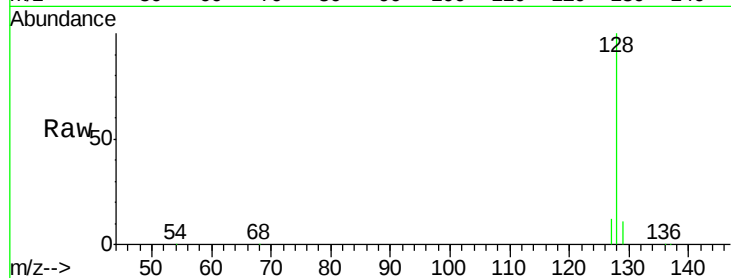
Acq: 9 Dec 2014 17:36

Instrument :

BNA_E

ClientSampleId :

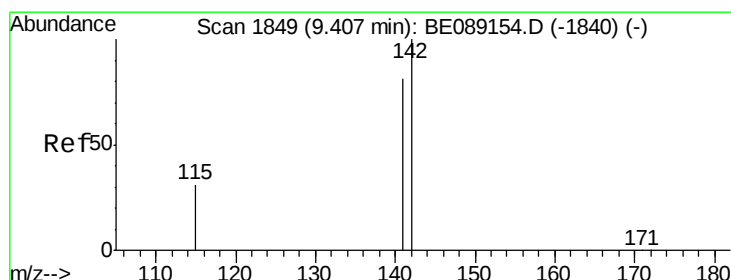
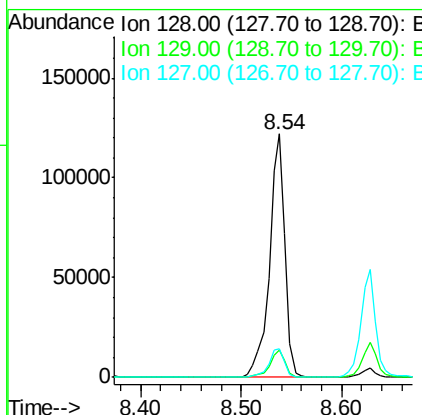
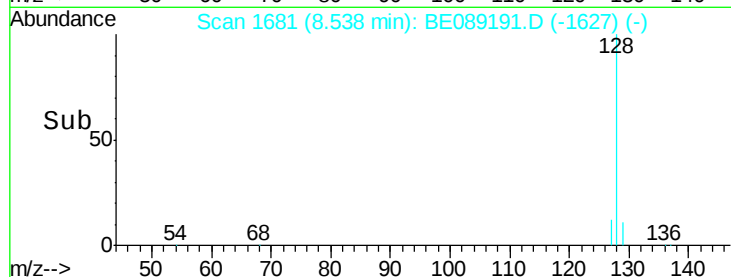
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Tgt Ion:	128	Resp:	130470
Ion Ratio		Lower	Upper
128	100		
129	11.2	8.6	12.8
127	11.9	10.3	15.5

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#6

2-Methylnaphthalene

Concen: 7.85 ng

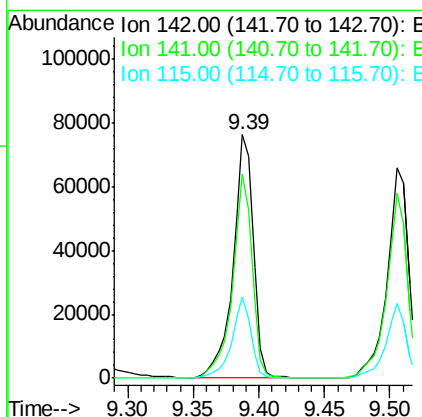
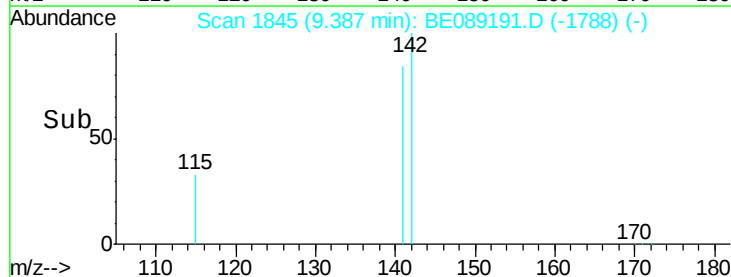
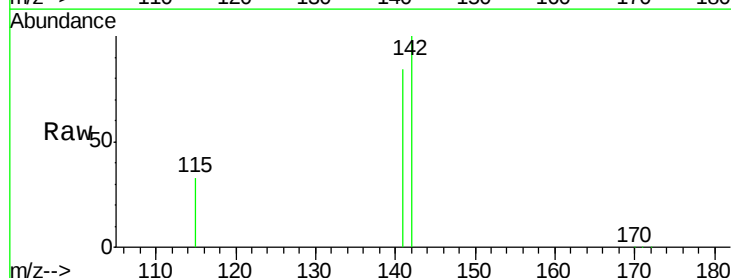
RT: 9.39 min Scan# 1845

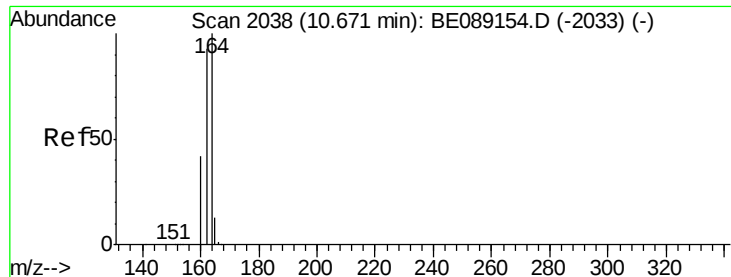
Delta R.T. -0.02 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

Tgt Ion:	142	Resp:	81335
Ion Ratio		Lower	Upper
142	100		
141	83.6	64.2	96.4
115	33.3	24.7	37.1





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.66 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BE089191.D

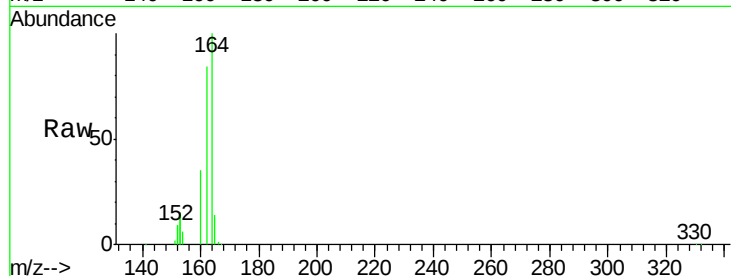
Acq: 9 Dec 2014 17:36

Instrument :

BNA_E

ClientSampleId :

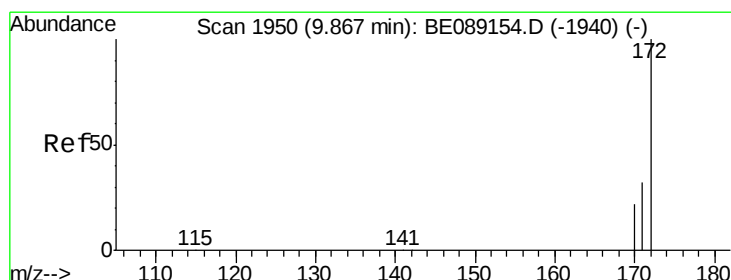
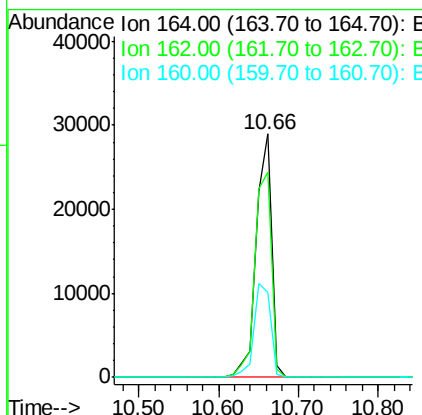
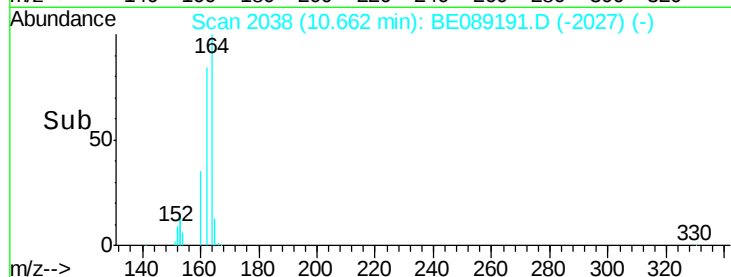
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Tgt Ion:	164	Resp:	37648
Ion Ratio	Lower	Upper	
164	100		
162	84.2	74.2	111.2
160	34.7	33.7	50.5

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#8

2-Fluorobiphenyl

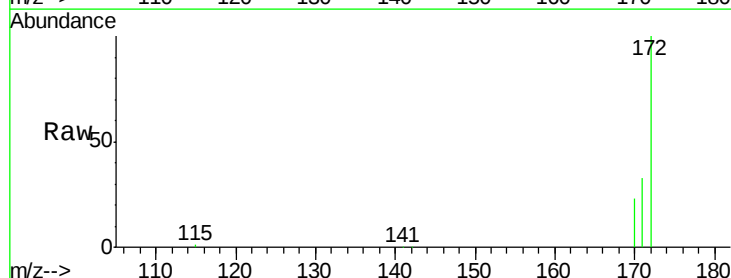
Concen: 7.43 ng

RT: 9.85 min Scan# 1947

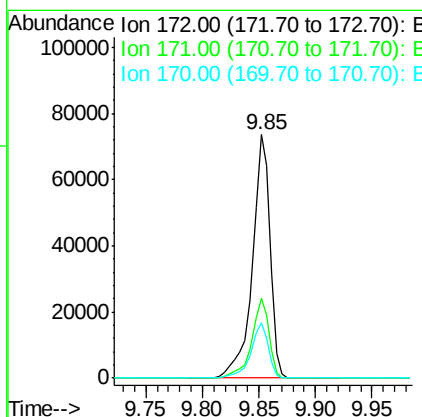
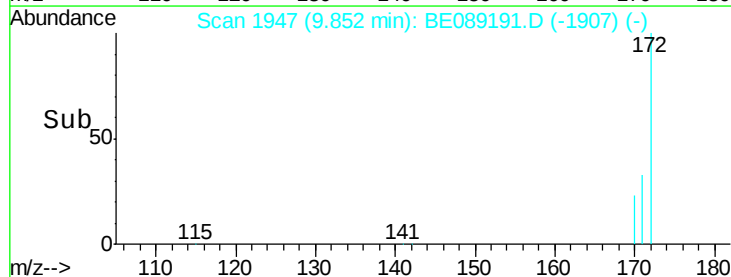
Delta R.T. -0.01 min

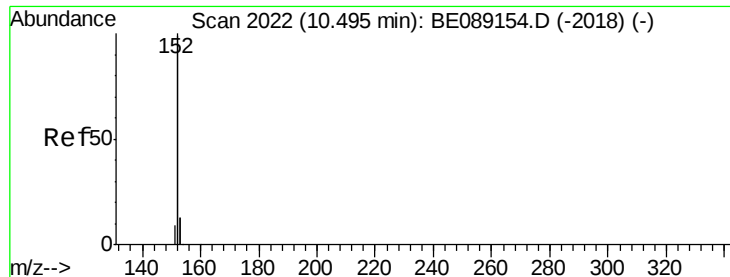
Lab File: BE089191.D

Acq: 9 Dec 2014 17:36



Tgt Ion:	172	Resp:	77440
Ion Ratio	Lower	Upper	
172	100		
171	32.7	26.0	39.0
170	22.6	18.0	27.0





#9

Acenaphthylene

Concen: 7.85 ng

RT: 10.47 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

Instrument :

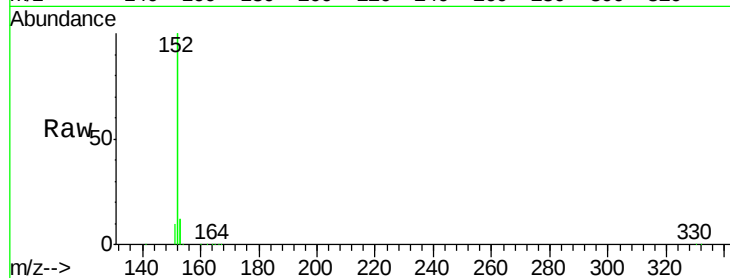
BNA_E

ClientSampleId :

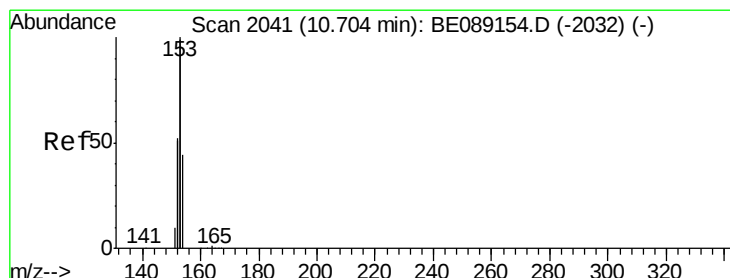
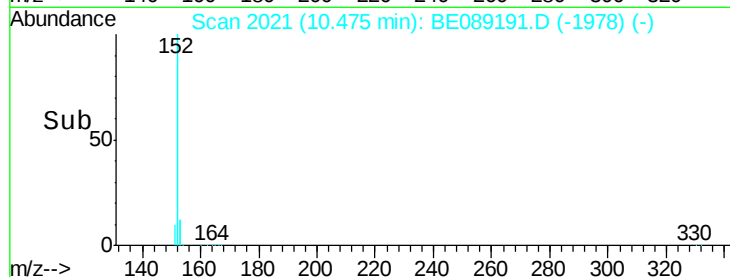
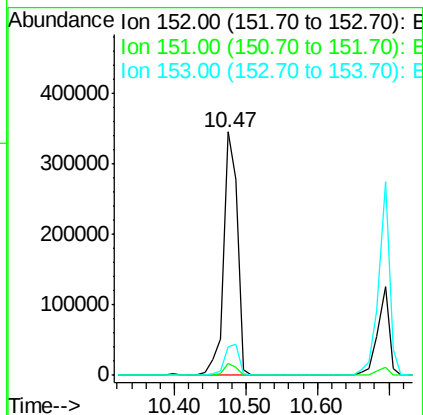
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.1	10.4	15.6



#10

Acenaphthene

Concen: 7.39 ng

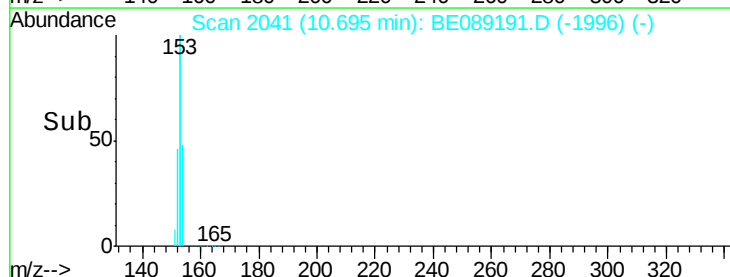
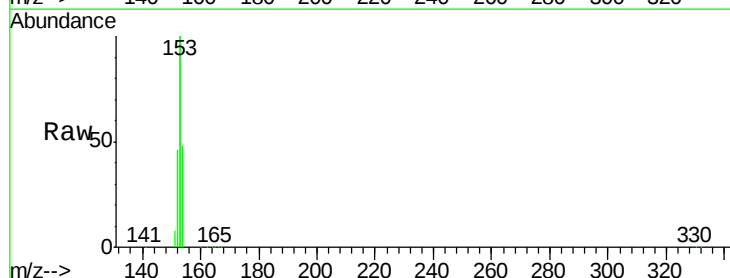
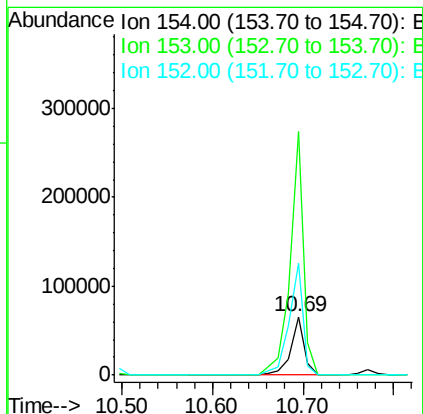
RT: 10.69 min Scan# 2041

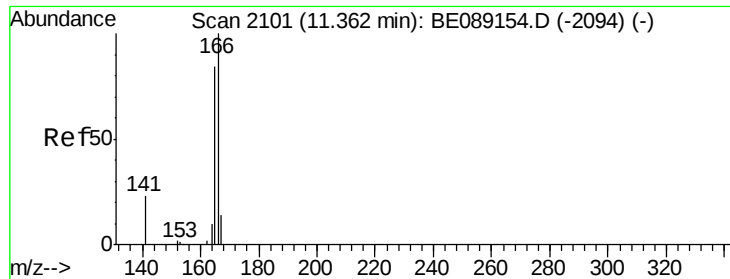
Delta R.T. -0.01 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	419.2	325.8	488.6
152	202.0	157.4	236.0





#11

Fluorene

Concen: 7.64 ng

RT: 11.34 min Scan# 2100

Delta R.T. -0.02 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

Instrument :

BNA_E

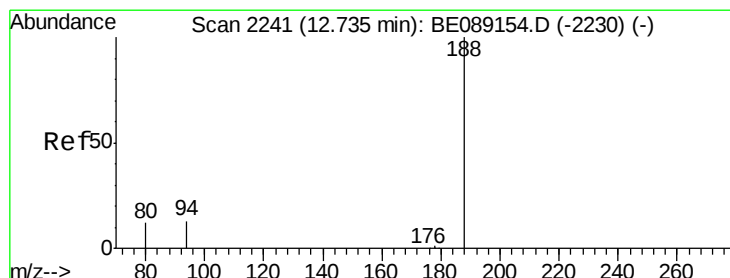
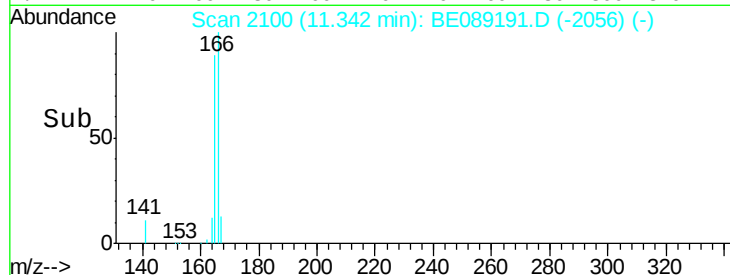
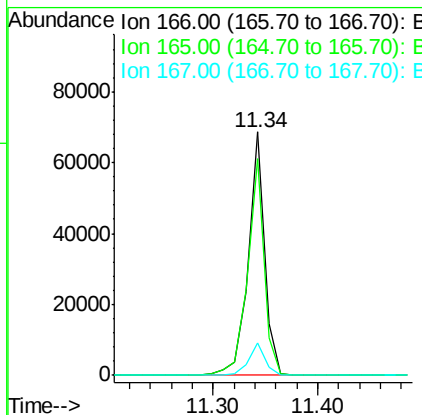
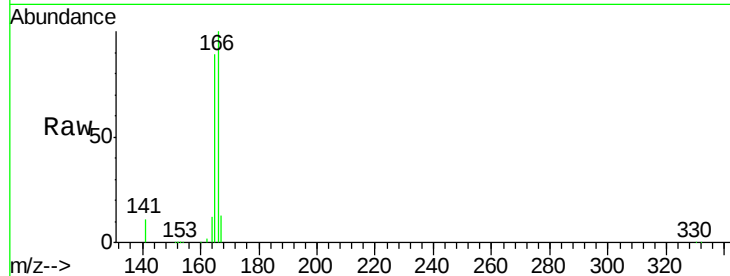
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Tgt Ion:	166	Resp:	74504
Ion Ratio	Lower	Upper	
166	100		
165	89.8	72.2	108.2
167	13.5	10.9	16.3



#12

Phenanthrene-d10

Concen: 5.00 ng

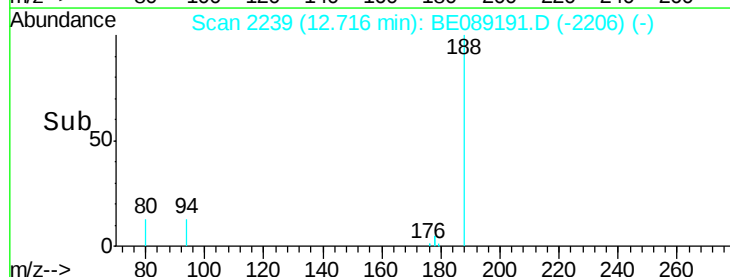
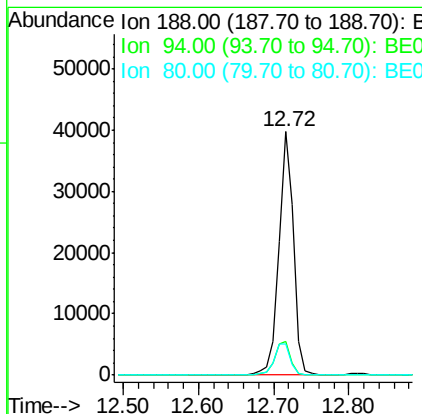
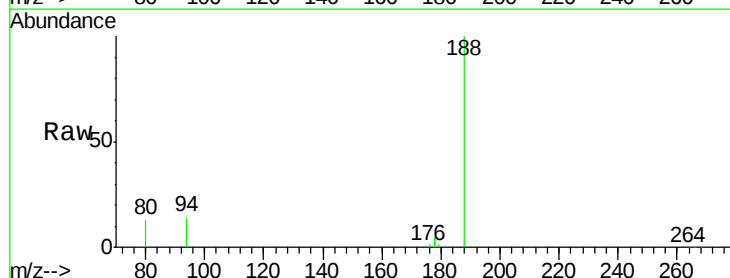
RT: 12.72 min Scan# 2239

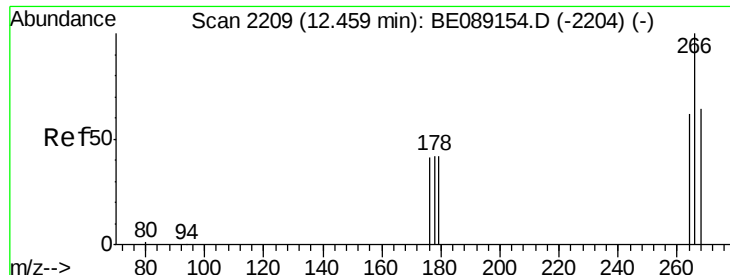
Delta R.T. -0.02 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

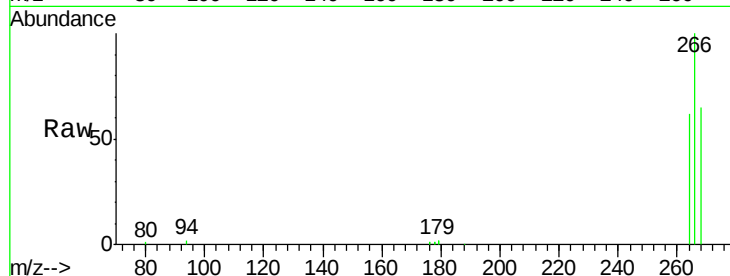
Tgt Ion:	188	Resp:	53575
Ion Ratio	Lower	Upper	
188	100		
94	13.7	10.6	16.0
80	12.9	9.9	14.9





#13
 Pentachlorophenol
 Concen: 15.98 ng
 RT: 12.43 min Scan# 2206
 Delta R.T. -0.03 min
 Lab File: BE089191.D
 Acq: 9 Dec 2014 17:36

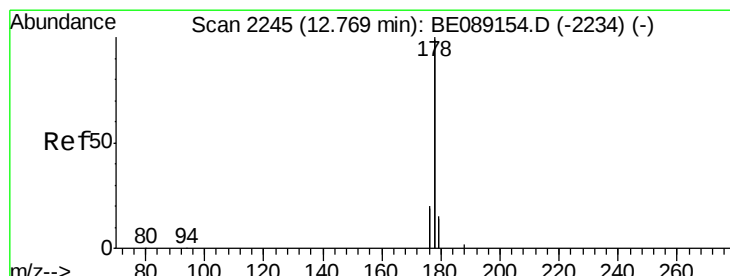
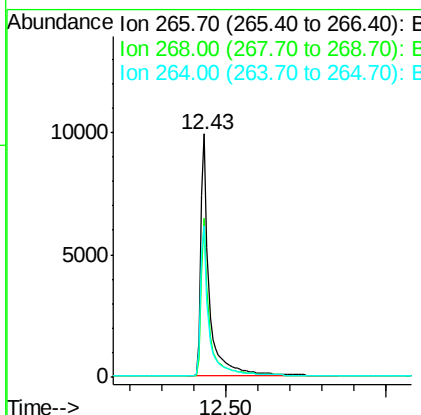
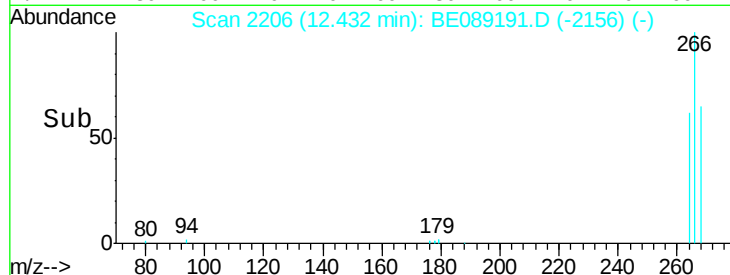
Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion:	266	Resp:	18919
Ion Ratio	Lower	Upper	
266	100		
268	65.3	56.1	84.1
264	62.3	55.1	82.7

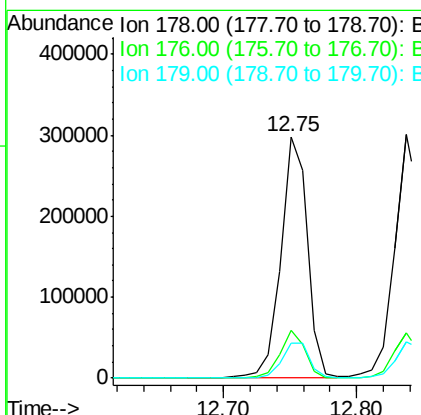
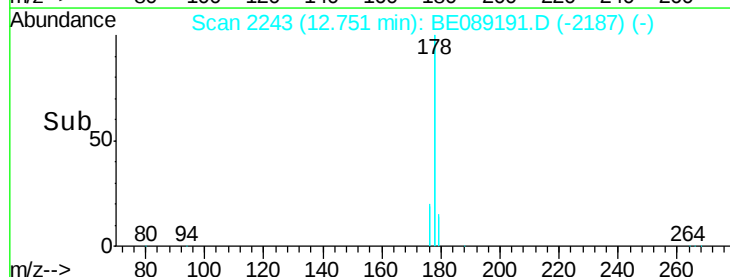
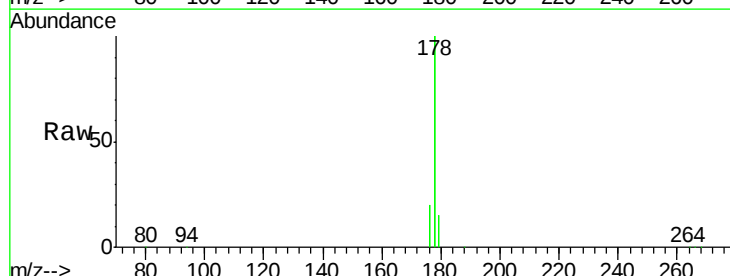
Manual Integrations
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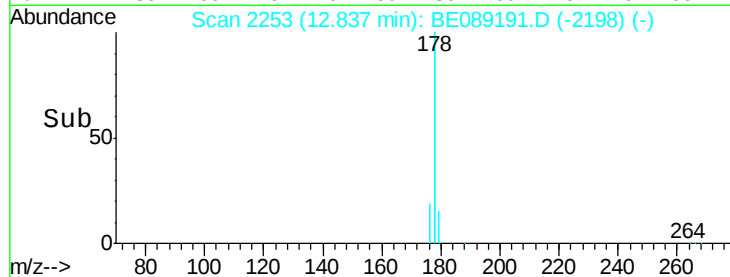
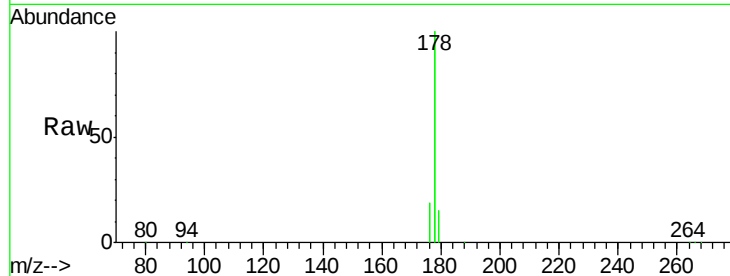
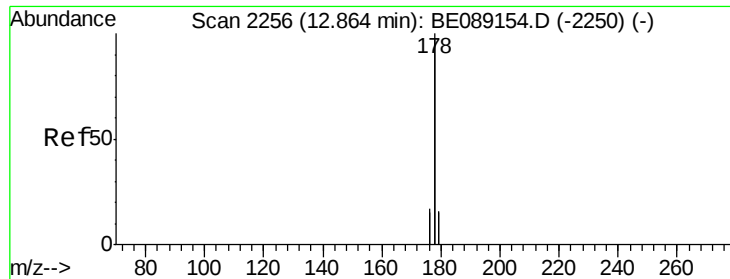
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#14
 Phenanthrene
 Concen: 8.07 ng
 RT: 12.75 min Scan# 2243
 Delta R.T. -0.02 min
 Lab File: BE089191.D
 Acq: 9 Dec 2014 17:36

Tgt Ion:	178	Resp:	410895
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.7	22.1
179	15.3	12.2	18.4





#15

Anthracene

Concen: 8.48 ng

RT: 12.84 min Scan# 2253

Delta R.T. -0.03 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

Tgt Ion:	178	Resp:	426516
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.2	21.2
179	15.1	12.1	18.1

Instrument :

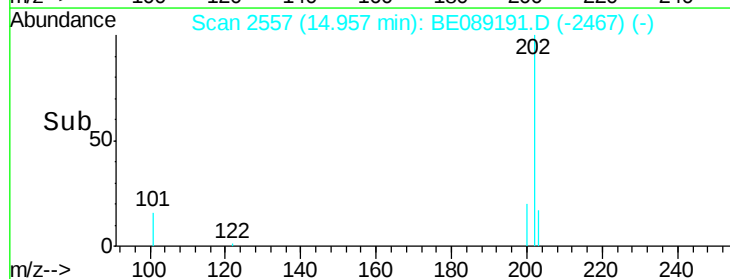
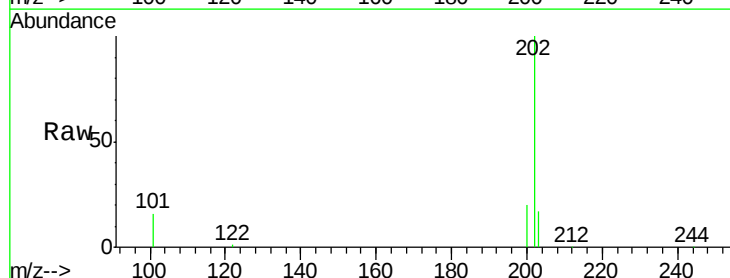
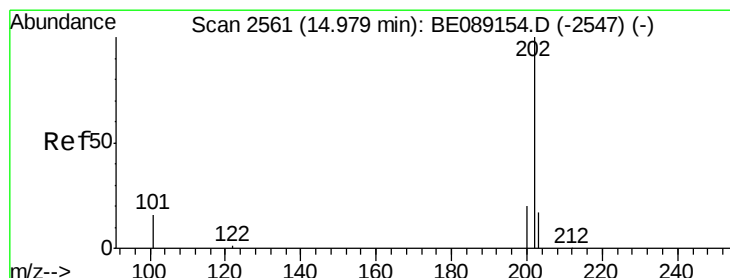
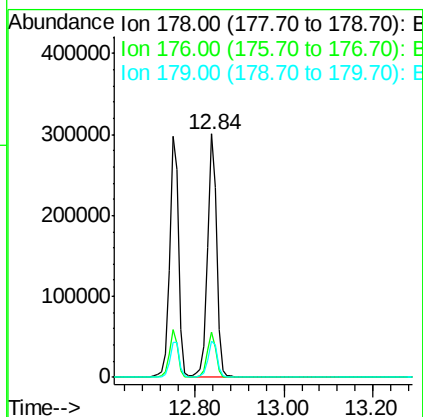
BNA_E

ClientSampleId :

PB80762BS

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#16

Fluoranthene

Concen: 8.28 ng

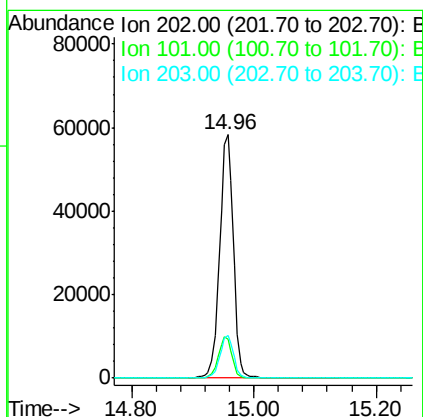
RT: 14.96 min Scan# 2557

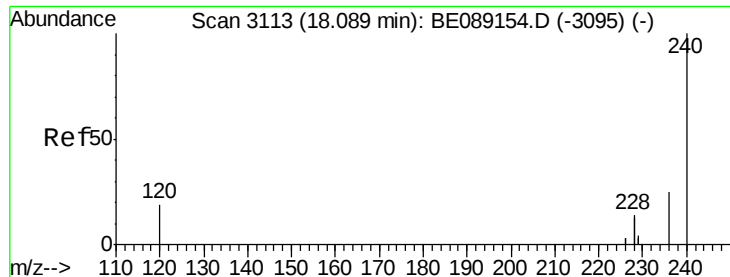
Delta R.T. -0.02 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

Tgt Ion:	202	Resp:	90800
Ion Ratio	Lower	Upper	
202	100		
101	16.8	13.3	19.9
203	17.2	13.7	20.5





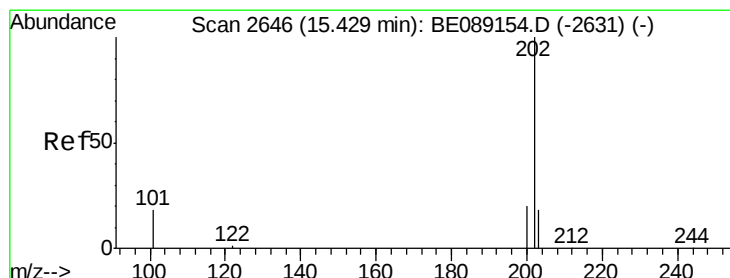
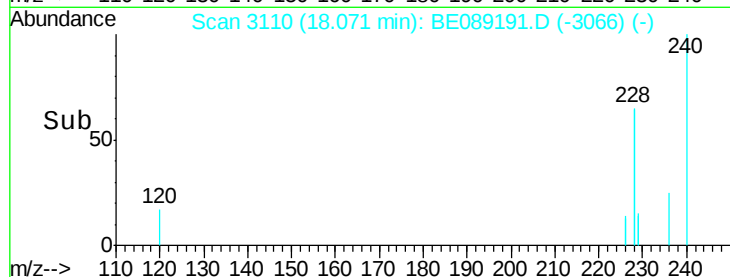
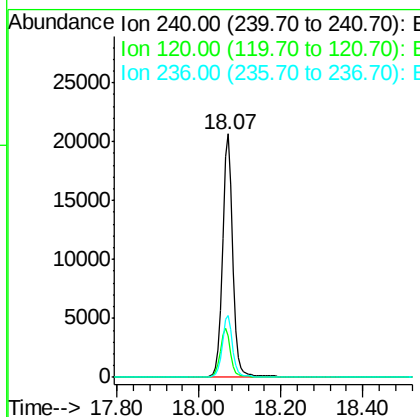
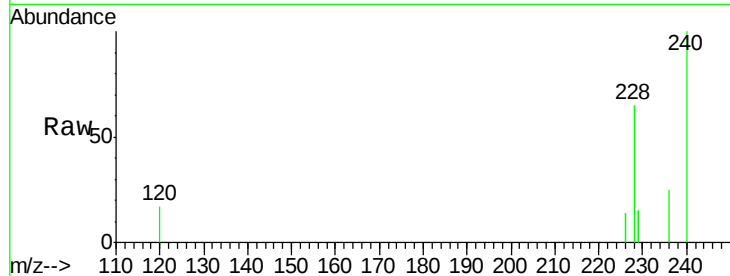
#17
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3110
Delta R.T. -0.02 min
Lab File: BE089191.D
Acq: 9 Dec 2014 17:36

Instrument :
BNA_E
ClientSampleId :
PB80762BS

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	36011		
120	17.0	15.5	23.3	
236	25.5	20.3	30.5	

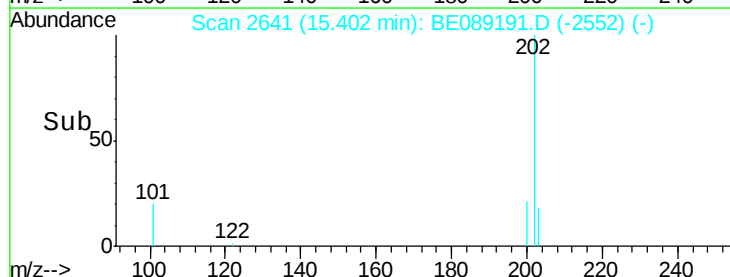
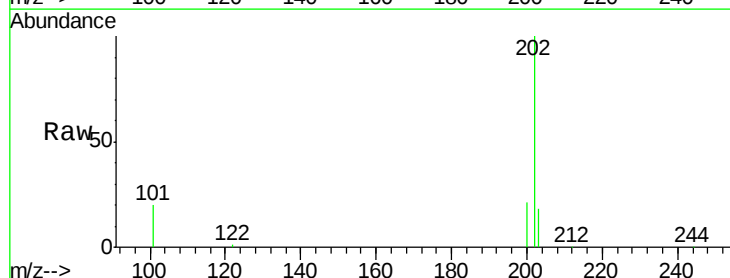
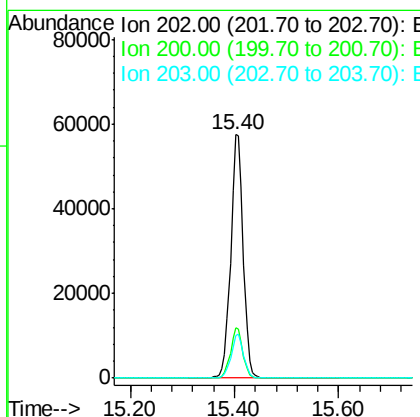
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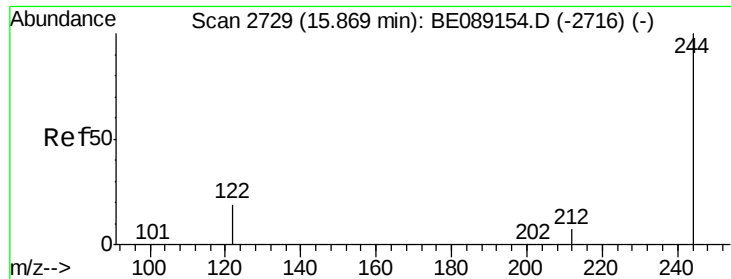
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#18
Pyrene
Concen: 8.61 ng
RT: 15.40 min Scan# 2641
Delta R.T. -0.03 min
Lab File: BE089191.D
Acq: 9 Dec 2014 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	95225		
200	20.4	16.2	24.2	
203	17.9	14.0	21.0	





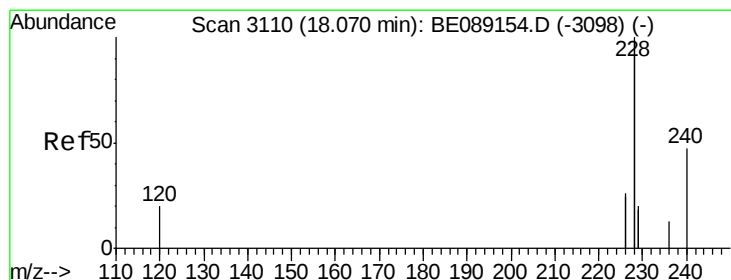
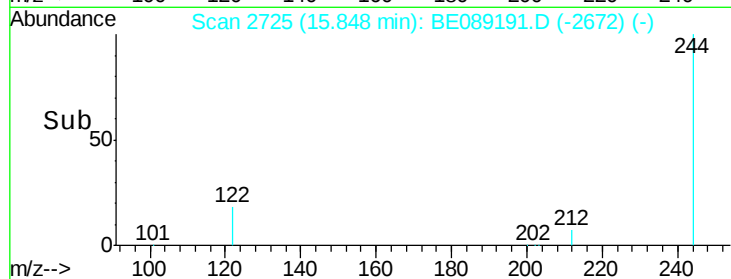
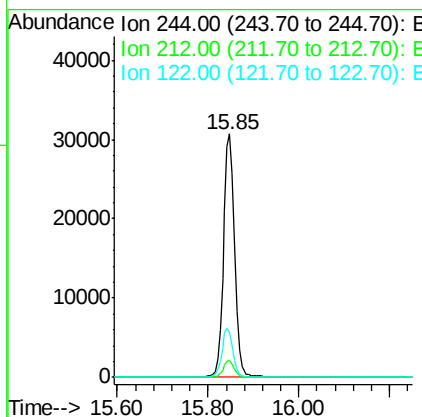
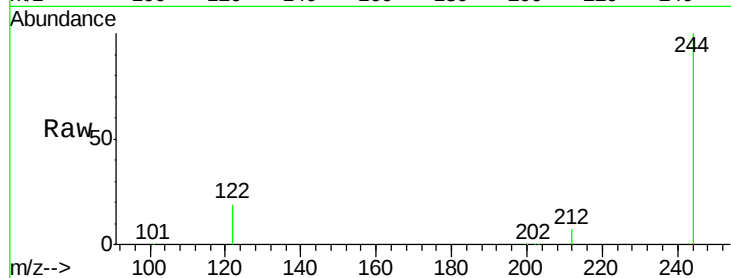
#19
 Terphenyl-d14
 Concen: 7.97 ng
 RT: 15.85 min Scan# 2725
 Delta R.T. -0.02 min
 Lab File: BE089191.D
 Acq: 9 Dec 2014 17:36

Instrument :
 BNA_E
 ClientSampleId :
 PB80762BS

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	18.5	16.2	24.2

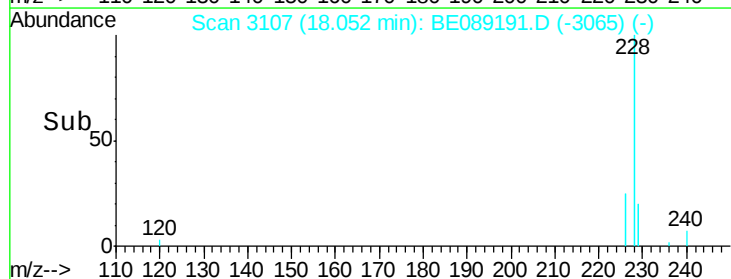
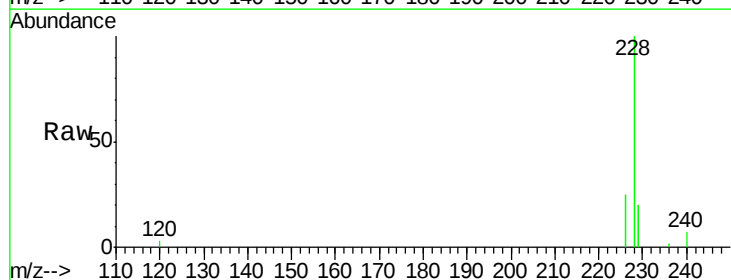
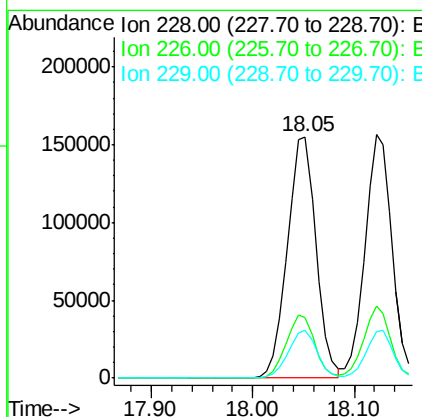
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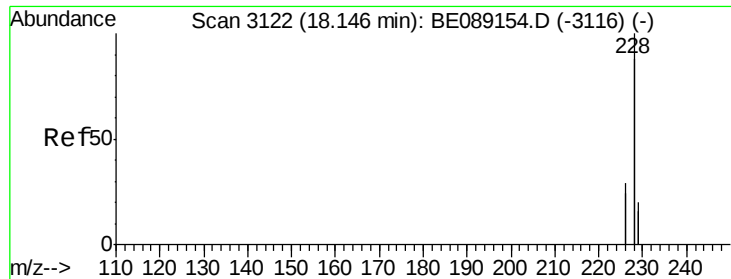
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#20
 Benzo(a)anthracene
 Concen: 8.88 ng
 RT: 18.05 min Scan# 3107
 Delta R.T. -0.02 min
 Lab File: BE089191.D
 Acq: 9 Dec 2014 17:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.0	21.0	31.4
229	20.0	16.0	24.0





#21

Chrysene

Concen: 8.87 ng

RT: 18.12 min Scan# 3118

Delta R.T. -0.02 min

Lab File: BE089191.D

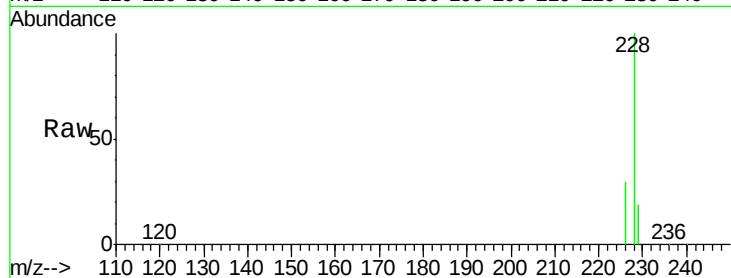
Acq: 9 Dec 2014 17:36

Instrument :

BNA_E

ClientSampleId :

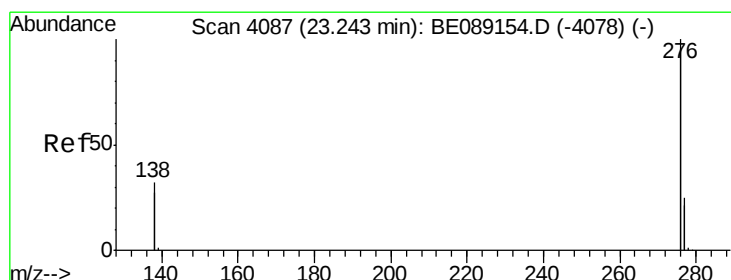
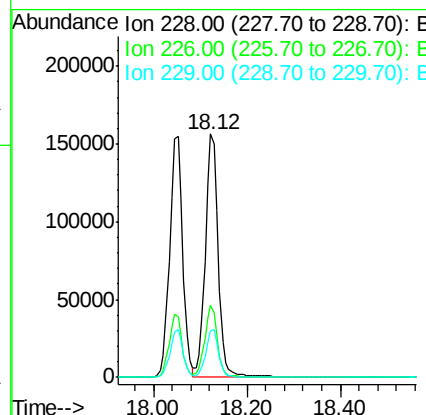
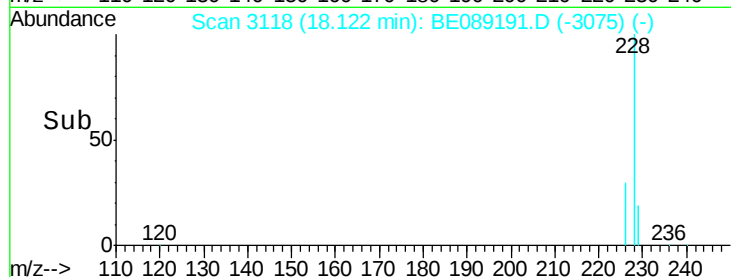
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Tgt	Ion:228	Resp:	297711
Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.8	34.2
229	19.2	16.2	24.4

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#22

Indeno(1,2,3-cd)pyrene

Concen: 9.65 ng m

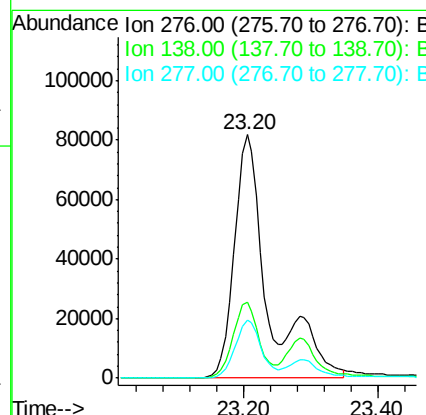
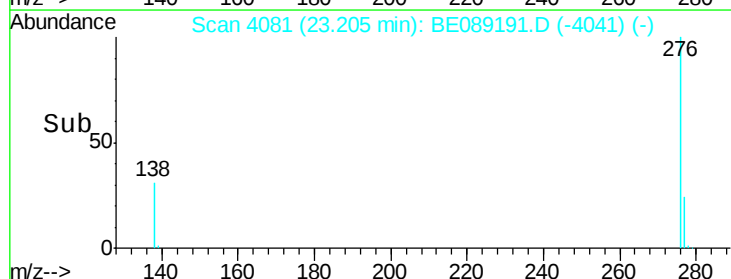
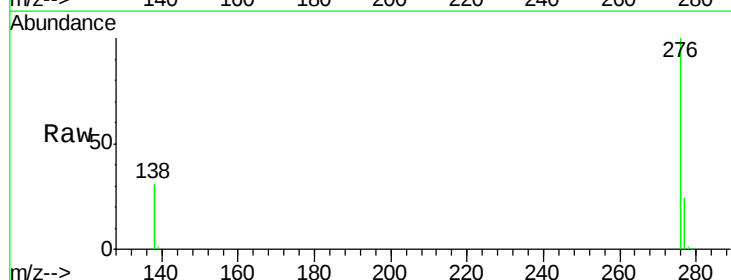
RT: 23.20 min Scan# 4081

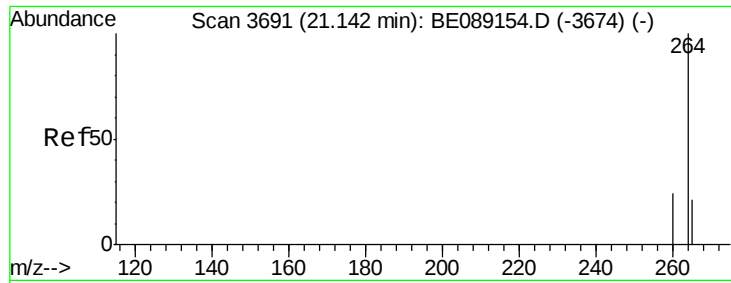
Delta R.T. -0.04 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

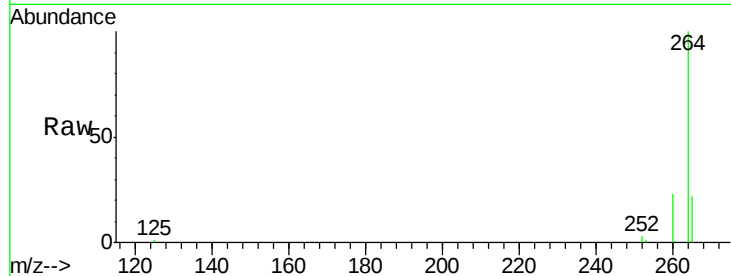
Tgt	Ion:276	Resp:	285217
Ion	Ratio	Lower	Upper
276	100		
138	23.3	17.8	26.8
277	18.1	14.1	21.1





#23
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3685
 Delta R.T. -0.03 min
 Lab File: BE089191.D
 Acq: 9 Dec 2014 17:36

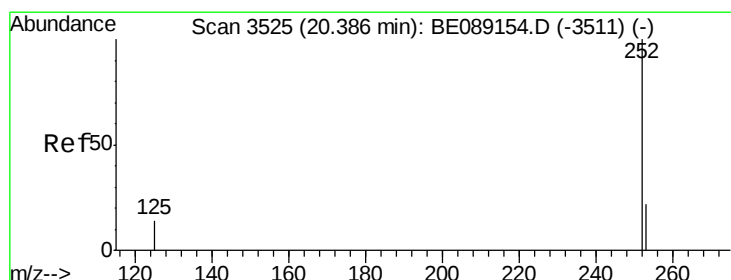
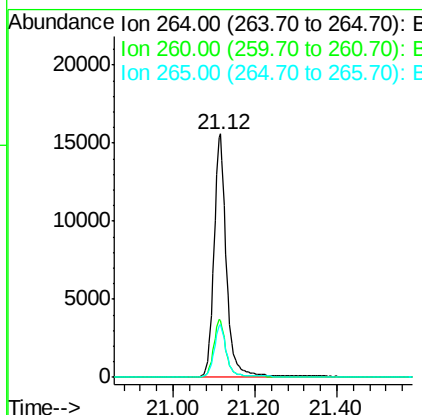
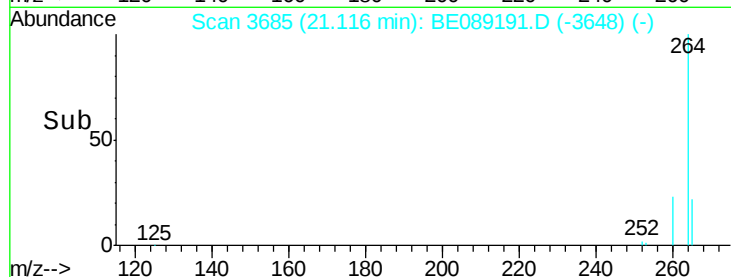
Instrument :
 BNA_E
 ClientSampleId :
 PB80762BS



Tgt Ion: 264 Resp: 32756
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.8 17.2 25.8

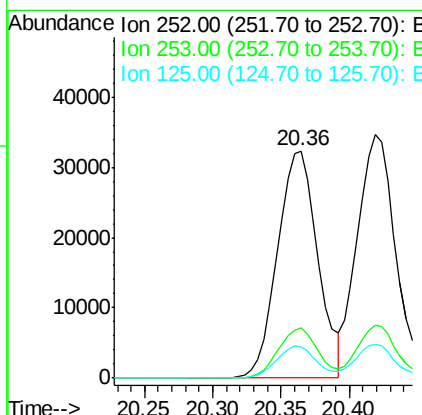
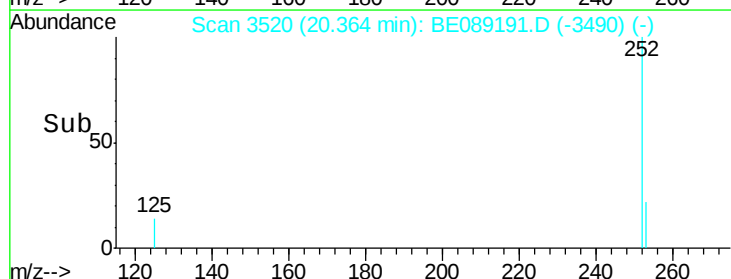
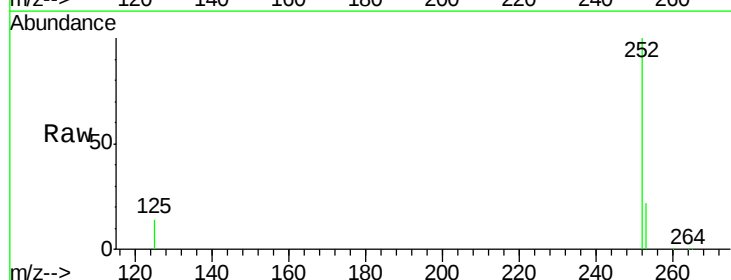
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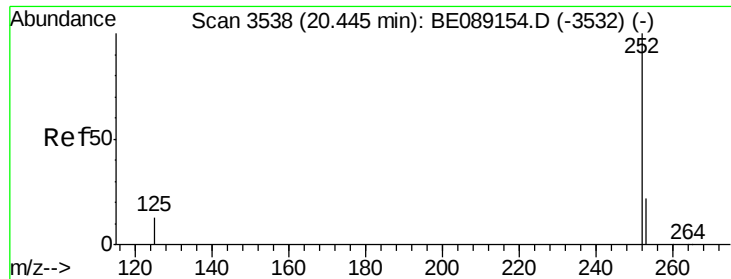
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#24
 Benzo(b)fluoranthene
 Concen: 9.53 ng
 RT: 20.36 min Scan# 3520
 Delta R.T. -0.02 min
 Lab File: BE089191.D
 Acq: 9 Dec 2014 17:36

Tgt Ion: 252 Resp: 65848
 Ion Ratio Lower Upper
 252 100
 253 21.9 18.0 27.0
 125 13.8 12.2 18.2





#25

Benzo(k)fluoranthene

Concen: 8.75 ng

RT: 20.42 min Scan# 3532

Delta R.T. -0.03 min

Lab File: BE089191.D

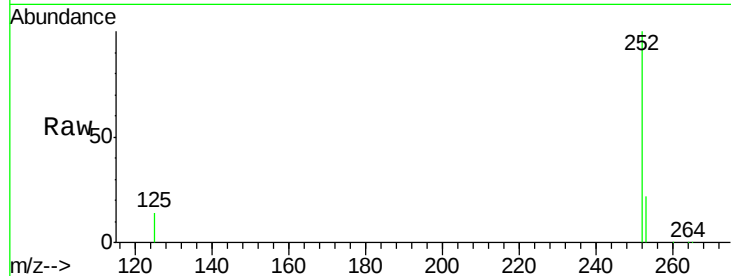
Acq: 9 Dec 2014 17:36

Instrument :

BNA_E

ClientSampleId :

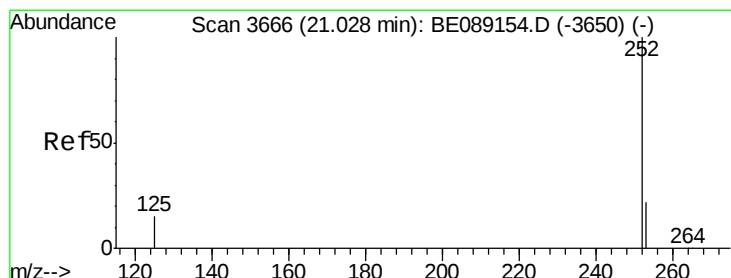
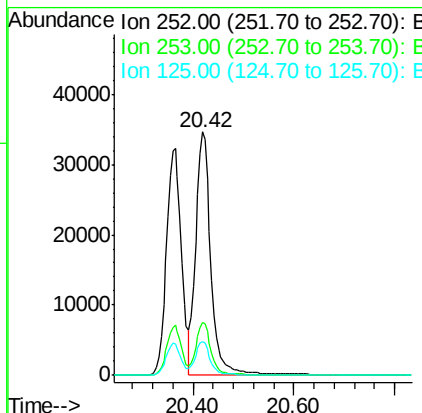
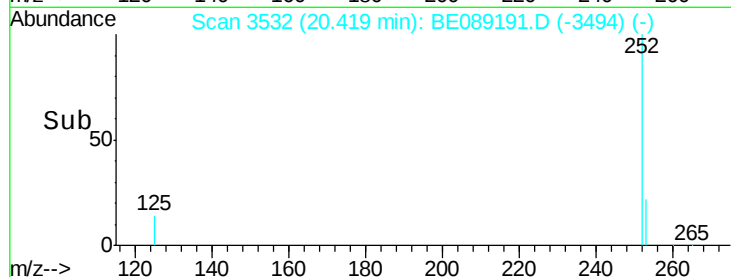
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Tgt Ion:	252	Resp:	71346
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.2	27.2
125	14.1	11.9	17.9

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#26

Benzo(a)pyrene

Concen: 9.86 ng

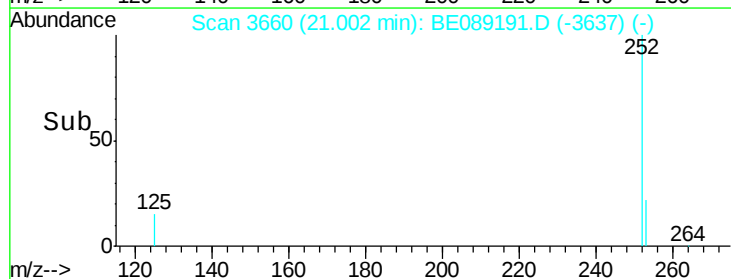
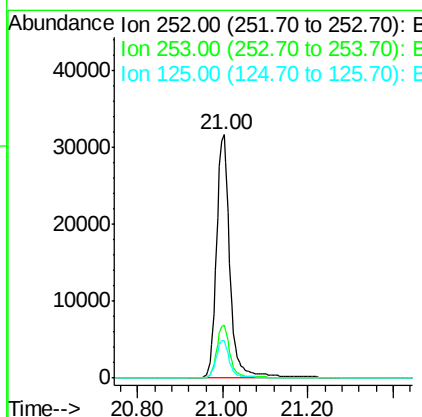
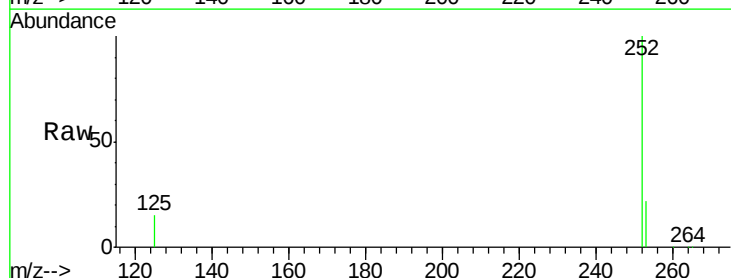
RT: 21.00 min Scan# 3660

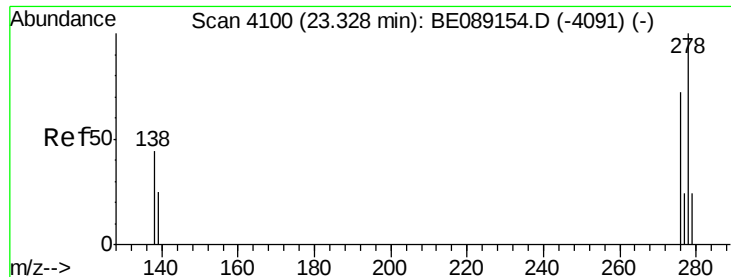
Delta R.T. -0.03 min

Lab File: BE089191.D

Acq: 9 Dec 2014 17:36

Tgt Ion:	252	Resp:	66371
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.6	27.8
125	15.2	13.4	20.0





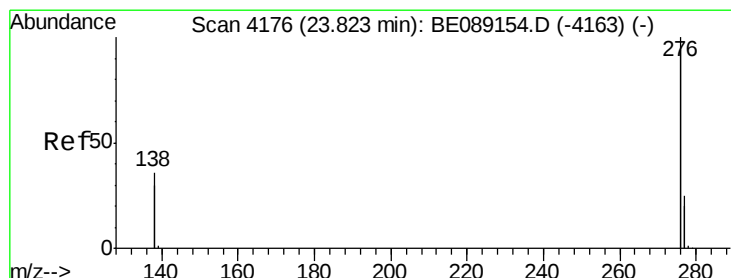
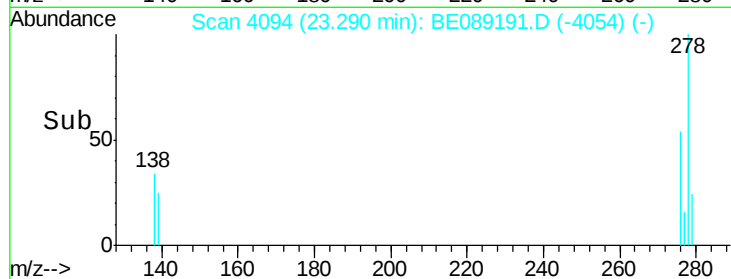
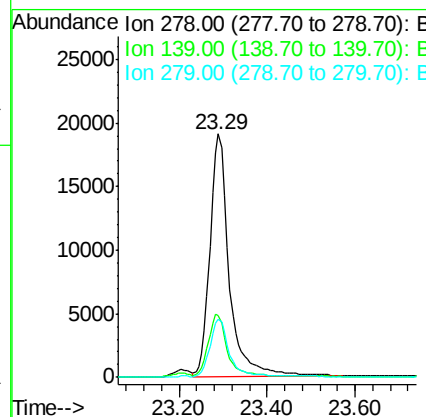
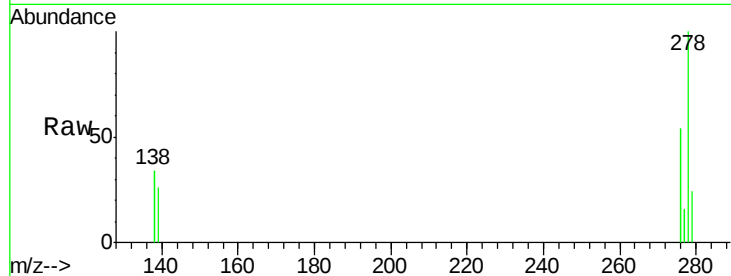
#27
Dibenzo(a,h)anthracene
Concen: 9.89 ng
RT: 23.29 min Scan# 4094
Delta R.T. -0.04 min
Lab File: BE089191.D
Acq: 9 Dec 2014 17:36

Instrument :
BNA_E
ClientSampleId :
PB80762BS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.6	22.0	33.0
279	23.9	20.6	31.0

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#28
Benzo(g,h,i)perylene
Concen: 8.96 ng
RT: 23.79 min Scan# 4171
Delta R.T. -0.03 min
Lab File: BE089191.D
Acq: 9 Dec 2014 17:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.9	29.9
138	32.5	28.7	43.1

