

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091082.D
 Acq On : 6 Nov 2015 9:47
 Operator : UM/NP
 Sample : G4273-02DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AN7DL

Manual Integrations
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 11/9/2015 6:47:54 PM

Quant Time: Nov 09 13:46:53 2015

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 09 05:49:45 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3192	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	17304	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	10238	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	24175	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	26996	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	27689	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	2497	1.09	ng/uL	0.02
6) 2-Methylnaphthalene-d10	11.08	152	936	0.04	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	2830	0.04	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.61	128	7773	0.18	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	5074	0.18	ng/ul	99
9) Acenaphthylene	13.14	152	6088	0.12	ng/ul	98
10) Acenaphthene	13.46	153	76061	2.17	ng/ul	94
11) Fluorene	14.45	166	83484	1.86	ng/ul	90
14) Phenanthrene	16.17	178	1170635	4.19	ng/ul	97
15) Anthracene	16.25	178	633293	2.49	ng/ul	99
17) Fluoranthene	18.15	202	1183143	3.62	ng/ul	88
19) Pyrene	18.54	202	828784	2.70	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	94018	1.36	ng/ul	97
21) Chrysene	20.32	228	80864	1.01	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	51810	0.60	ng/ul	93
24) Benzo(k)fluoranthene	21.65	252	57758	0.65	ng/ul	96
25) Benzo(a)pyrene	22.09	252	65368m	0.82	ng/ul	
26) Indeno(1,2,3-cd)pyrene	23.83	276	124680m	0.37	ng/ul	
27) Dibenzo(a,h)anthracene	23.79	278	9344	0.12	ng/ul#	74
28) Benzo(g,h,i)perylene	24.40	276	100333	0.29	ng/ul	95

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

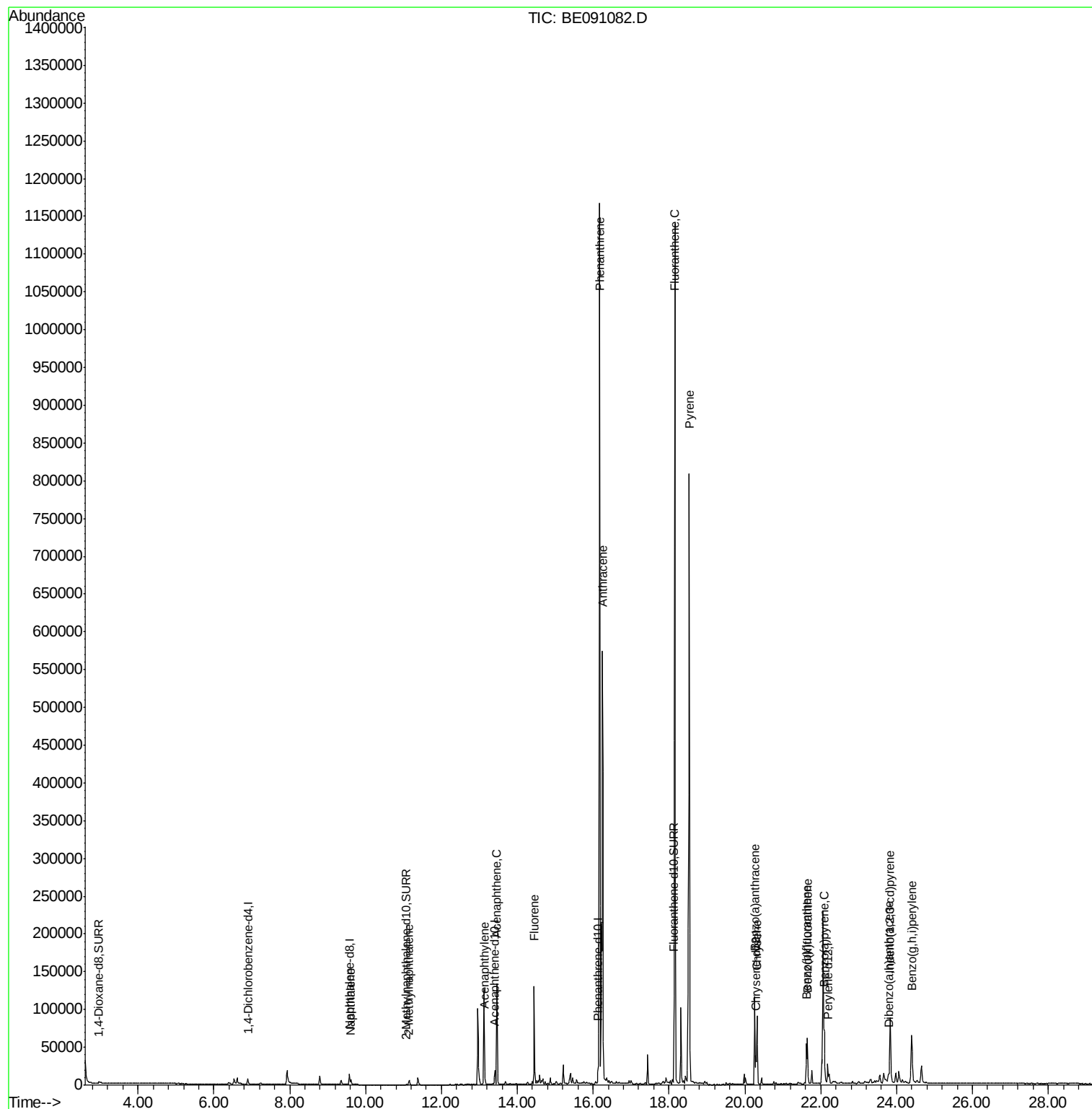
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
Data File : BE091082.D
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Sample : G4273-02DL 5X
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ALS Vial : 18 Sample Multiplier: 1

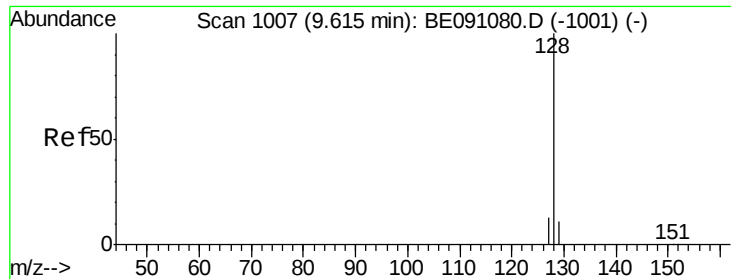
Instrument :
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#5

Naphthalene

Concen: 0.18 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

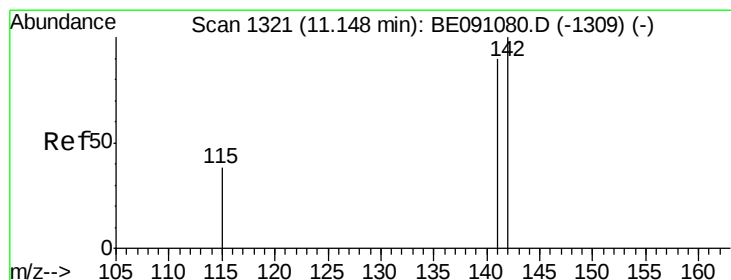
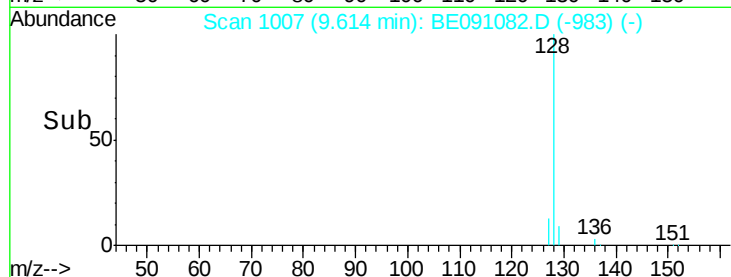
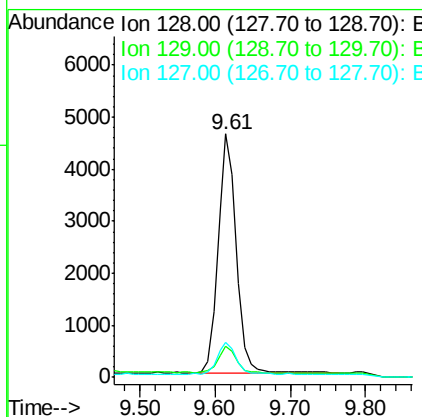
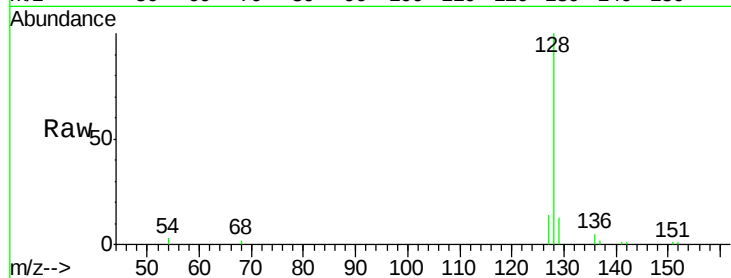
ClientSampleId :

C0AN7DL

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Tgt Ion:	128	Resp:	7773
Ion Ratio	Lower	Upper	
128	100		
129	12.7	9.8	14.8
127	14.2	10.7	16.1



#7

2-Methylnaphthalene

Concen: 0.18 ng/ul

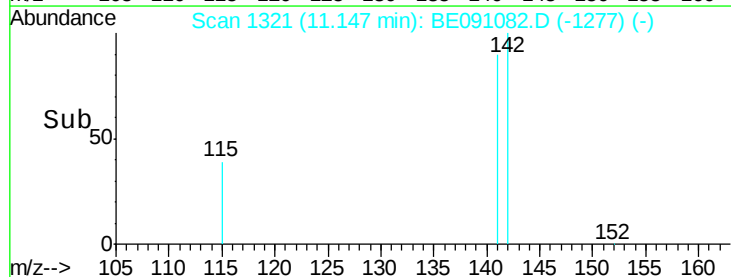
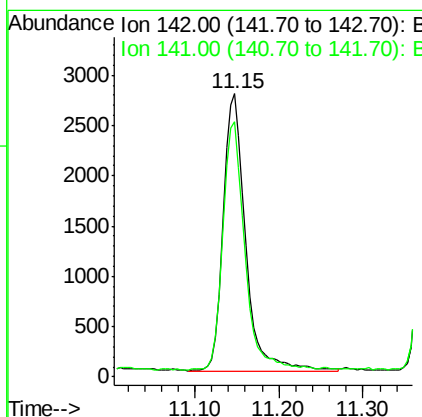
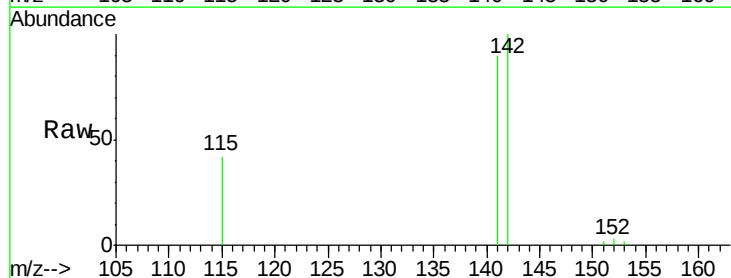
RT: 11.15 min Scan# 1321

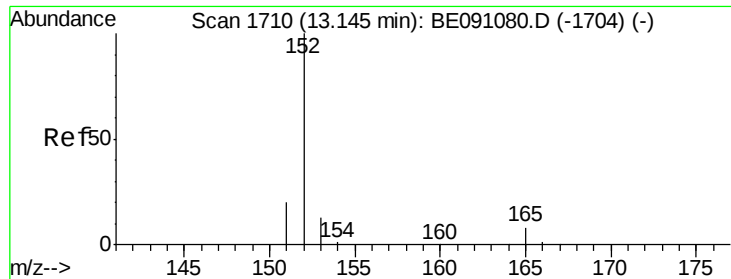
Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Tgt Ion:	142	Resp:	5074
Ion Ratio	Lower	Upper	
142	100		
141	88.5	70.3	105.5





#9

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091082.D

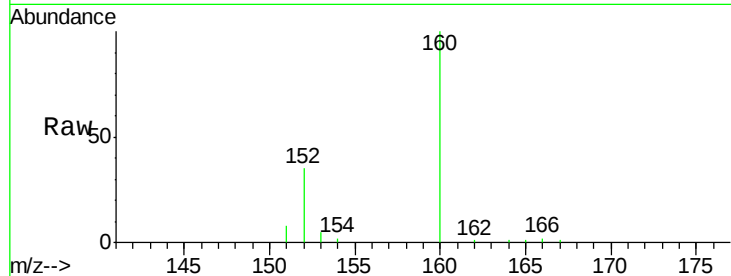
Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

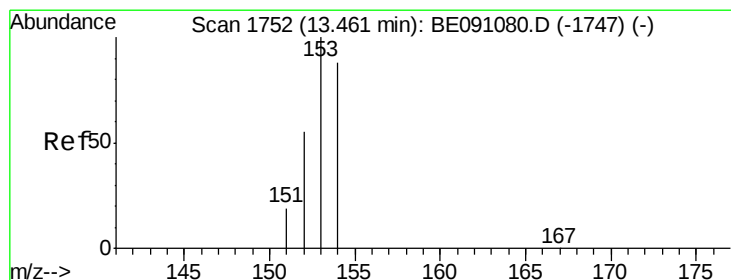
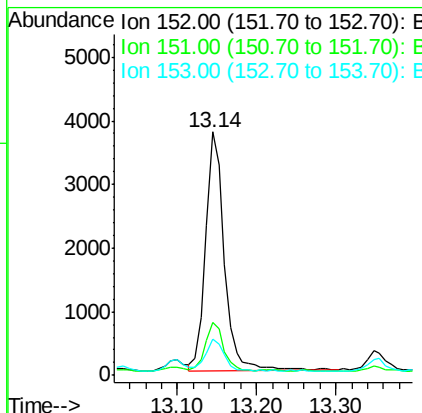
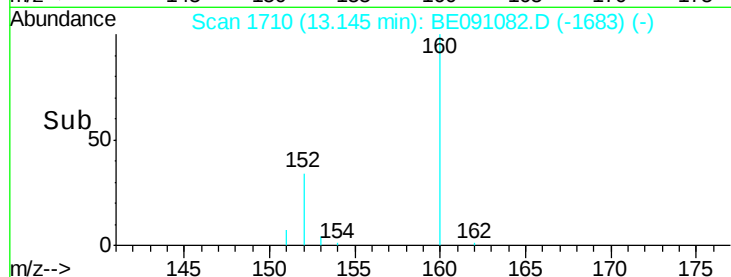
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.8	25.2
153	14.9	11.3	16.9

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#10

Acenaphthene

Concen: 2.17 ng/ul

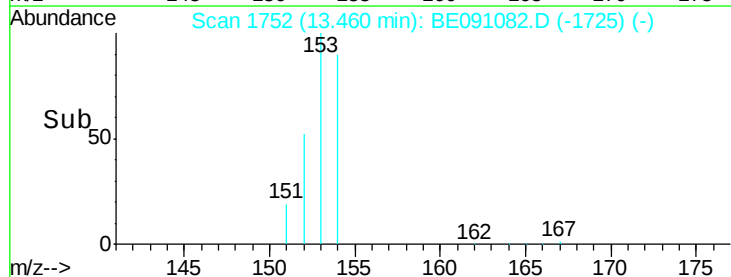
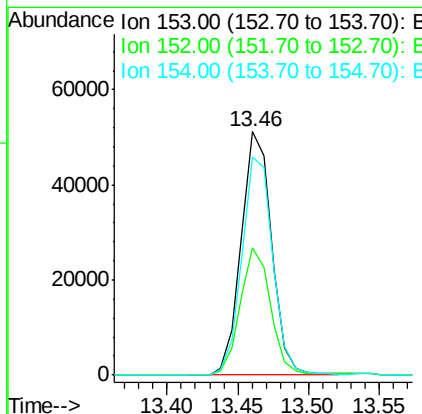
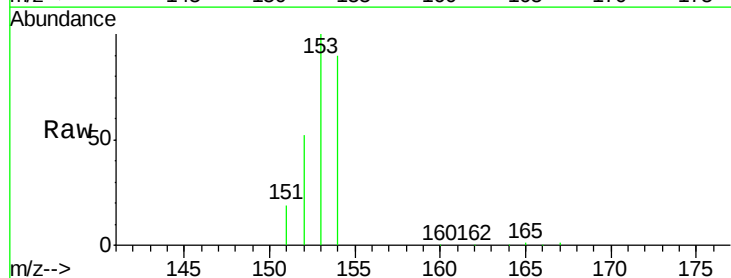
RT: 13.46 min Scan# 1752

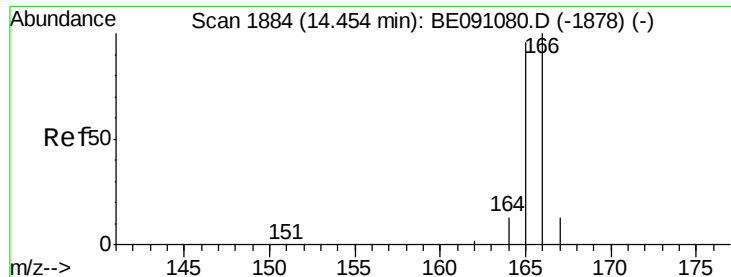
Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Tgt Ion	Ratio	Lower	Upper
153	100		
152	52.4	42.3	63.5
154	89.7	64.7	97.1





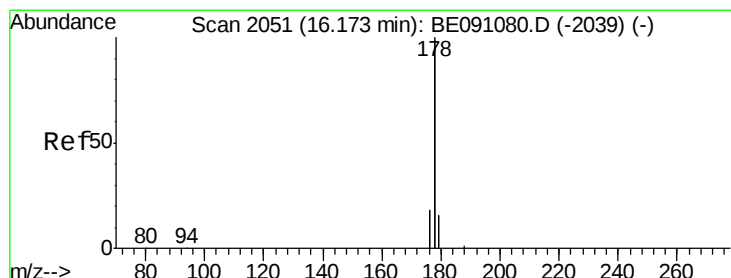
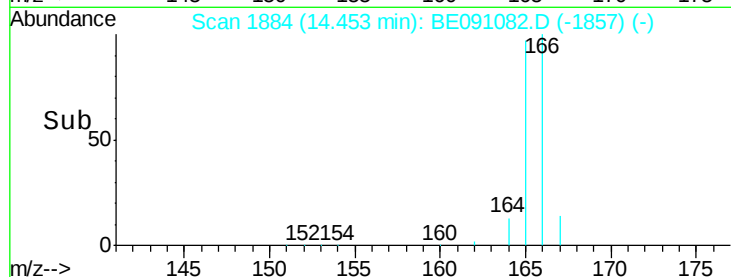
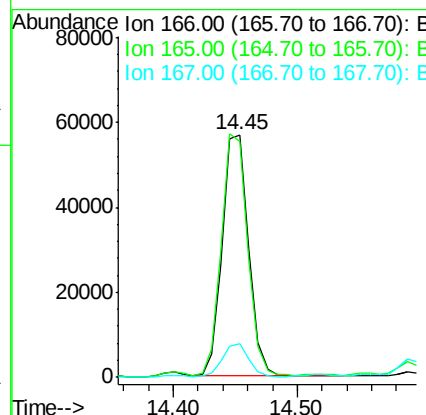
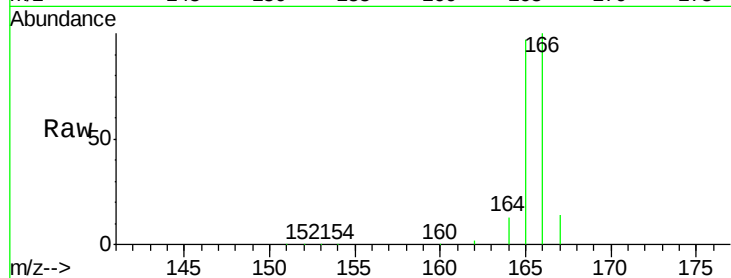
#11
Fluorene
 Concen: 1.86 ng/ul
 RT: 14.45 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: BE091082.D
 Acq: 6 Nov 2015 9:47

Instrument :
 BNA_E
 ClientSampleId :
 C0AN7DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	87.6	131.4
167	13.8	11.1	16.7

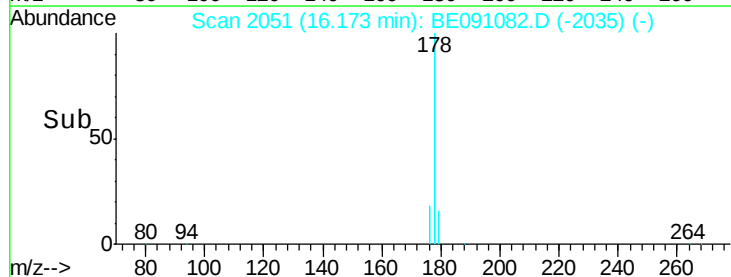
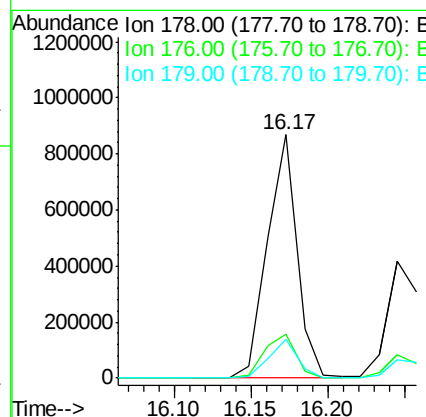
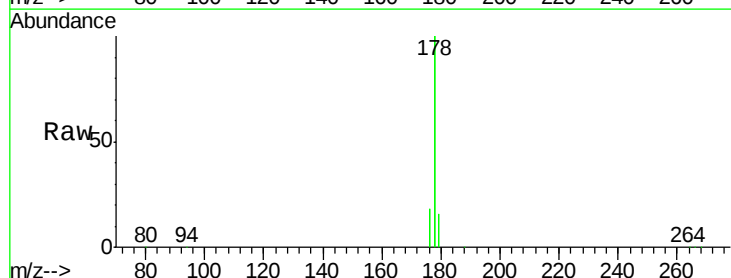
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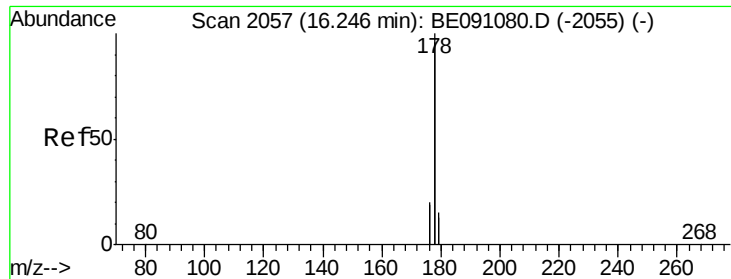
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#14
Phenanthrene
 Concen: 4.19 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BE091082.D
 Acq: 6 Nov 2015 9:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.2	24.4
179	16.1	12.8	19.2





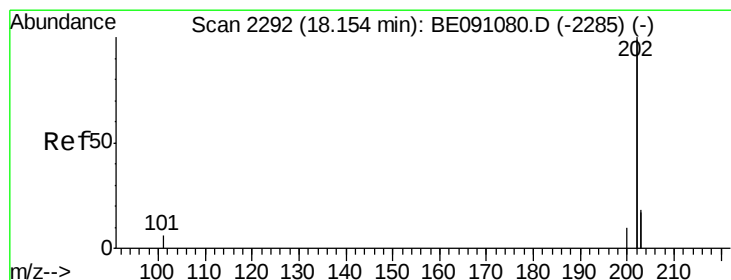
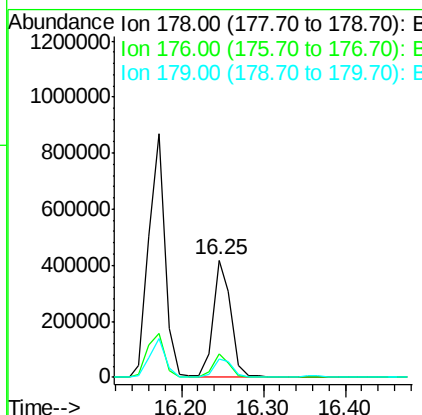
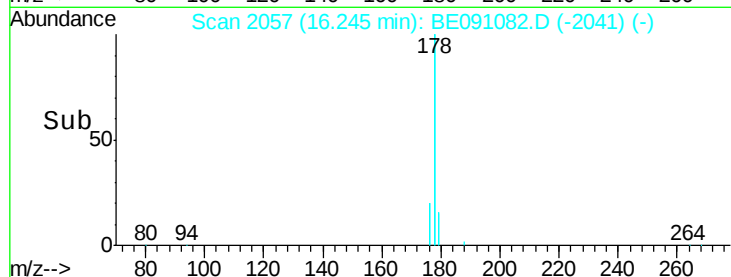
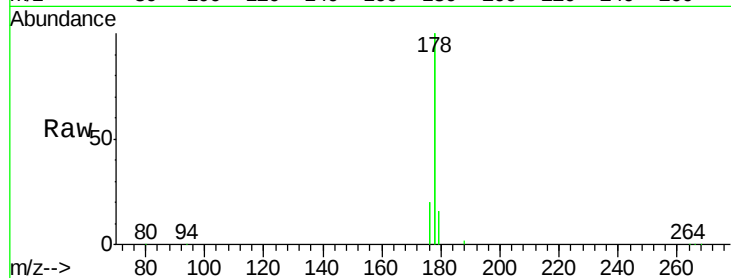
#15
 Anthracene
 Concen: 2.49 ng/ul
 RT: 16.25 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: BE091082.D
 Acq: 6 Nov 2015 9:47

Instrument :
 BNA_E
 ClientSampleId :
 C0AN7DL

Tgt	Ion	Ratio	Lower	Upper
178	100			
176	20.2	15.8	23.8	
179	15.7	13.3	19.9	

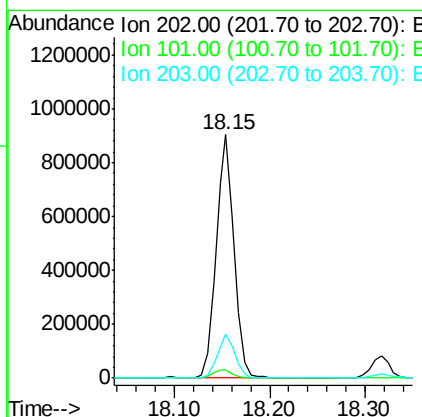
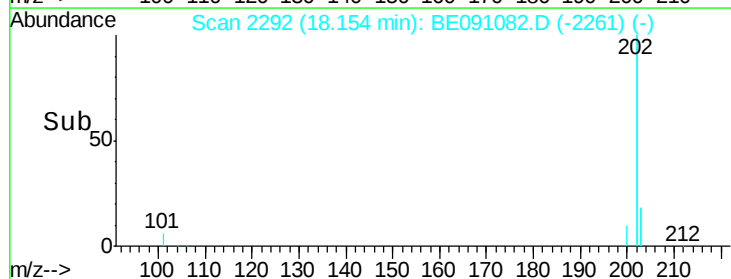
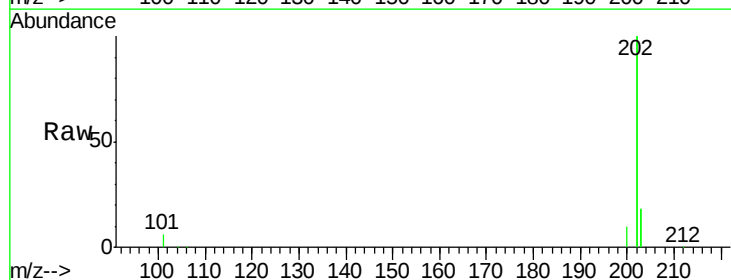
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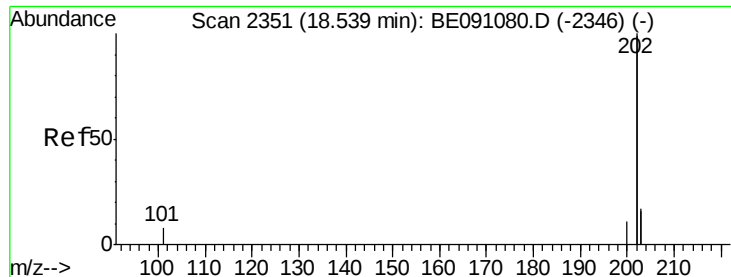
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#17
 Fluoranthene
 Concen: 3.62 ng/ul
 RT: 18.15 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BE091082.D
 Acq: 6 Nov 2015 9:47

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	3.2	0.0	33.1	
203	17.8	0.0	37.2	





#19

Pyrene

Concen: 2.70 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

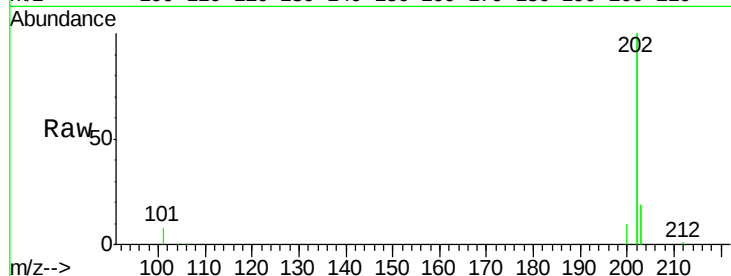
ClientSampleId :

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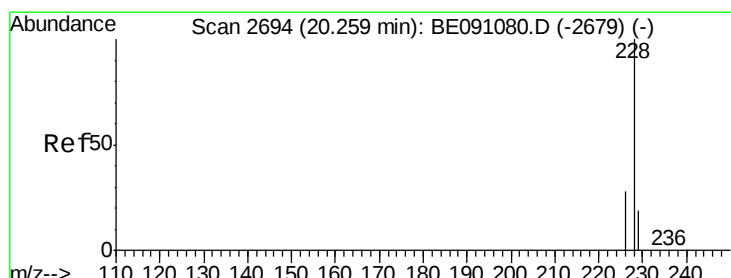
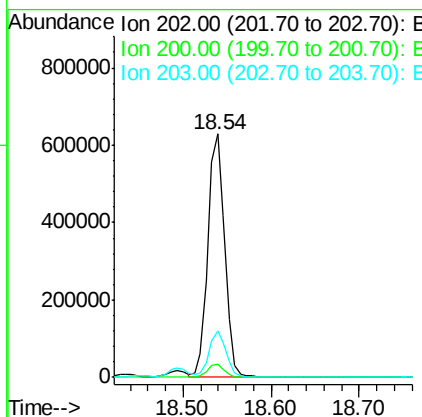
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Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.2	18.0	27.0#
203	19.1	13.8	20.6



#20

Benzo(a)anthracene

Concen: 1.36 ng/ul

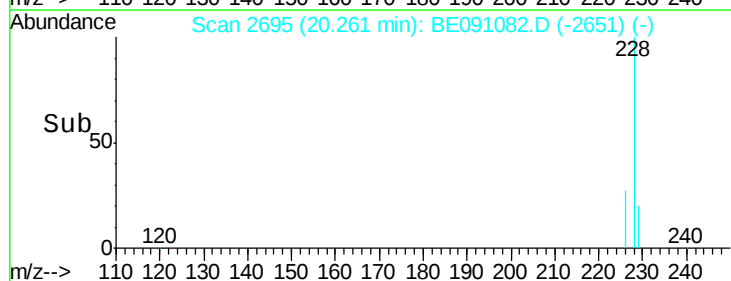
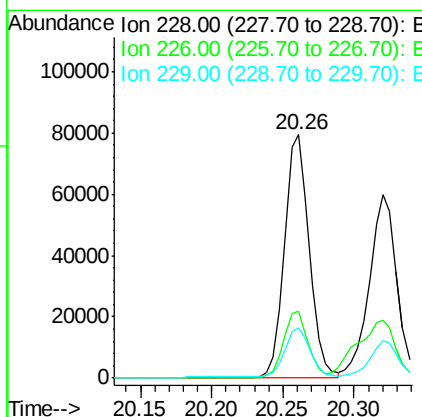
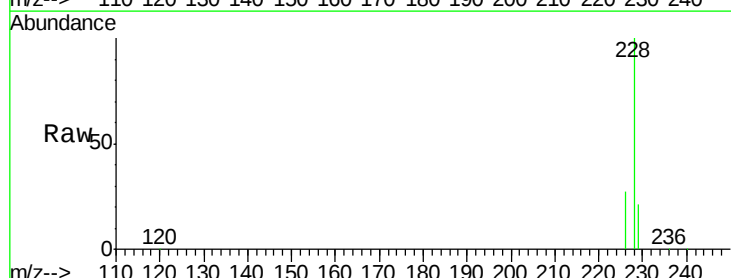
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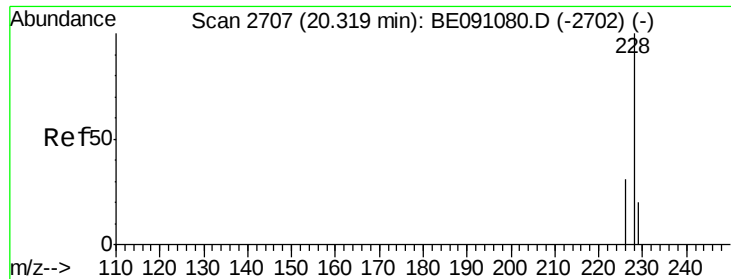
Delta R.T. 0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.0	34.4
229	20.7	15.2	22.8





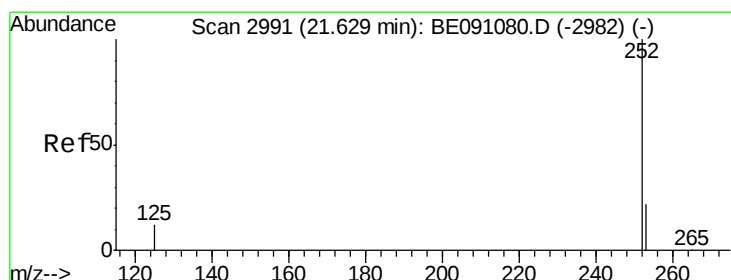
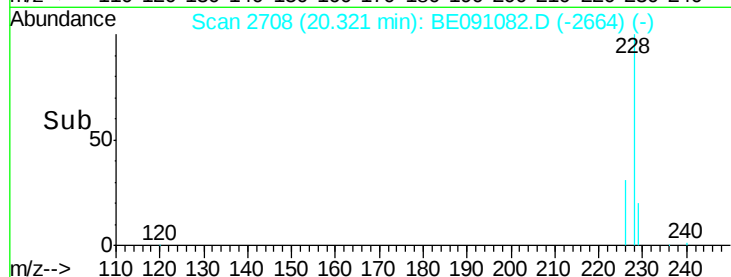
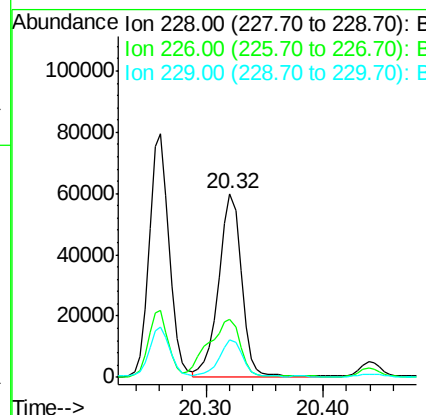
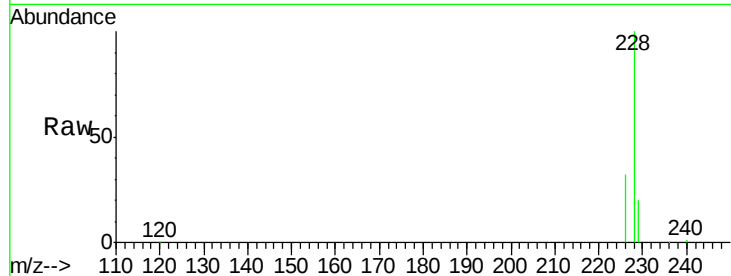
#21
Chrysene
Concen: 1.01 ng/u1
RT: 20.32 min Scan# 2708
Delta R.T. 0.00 min
Lab File: BE091082.D
Acq: 6 Nov 2015 9:47

Instrument :
BNA_E
ClientSampleId :
C0AN7DL

Tgt Ion:228 Resp: 80864
Ion Ratio Lower Upper
228 100
226 31.6 25.7 38.5
229 20.4 15.2 22.8

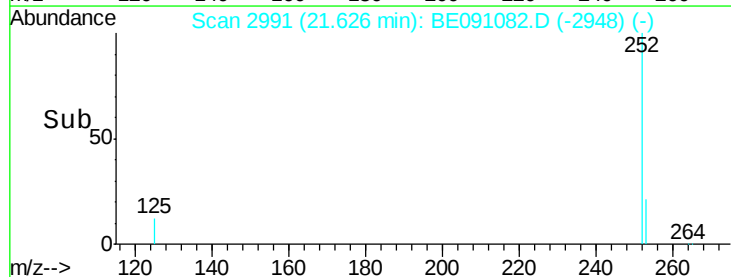
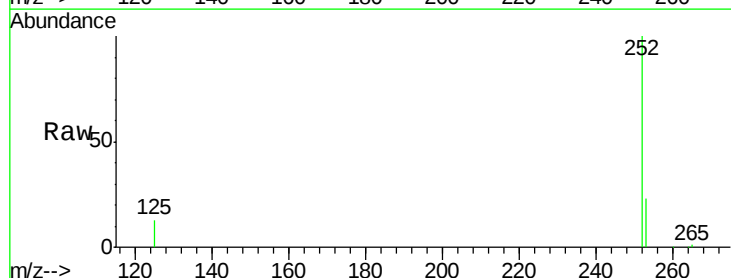
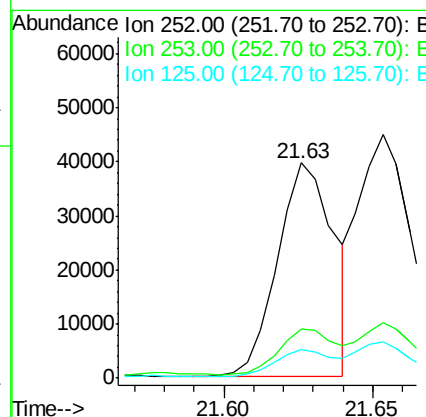
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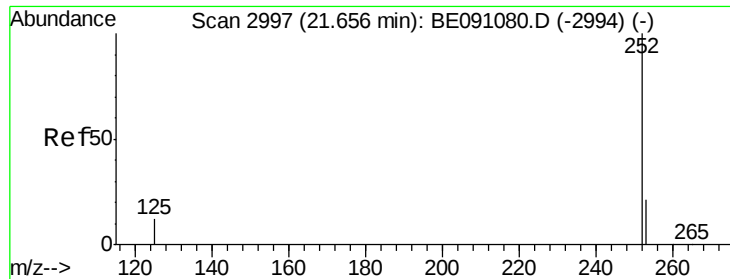
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#23
Benzo(b)fluoranthene
Concen: 0.60 ng/u1
RT: 21.63 min Scan# 2991
Delta R.T. -0.00 min
Lab File: BE091082.D
Acq: 6 Nov 2015 9:47

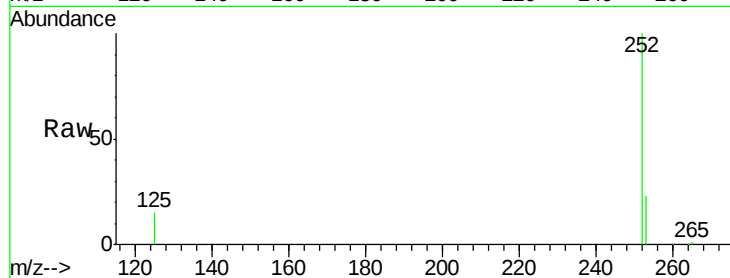
Tgt Ion:252 Resp: 51810
Ion Ratio Lower Upper
252 100
253 22.7 0.0 48.0
125 13.0 0.0 36.6





#24
Benzo(k)fluoranthene
Concen: 0.65 ng/ul
RT: 21.65 min Scan# 2997
Delta R.T. -0.00 min
Lab File: BE091082.D
Acq: 6 Nov 2015 9:47

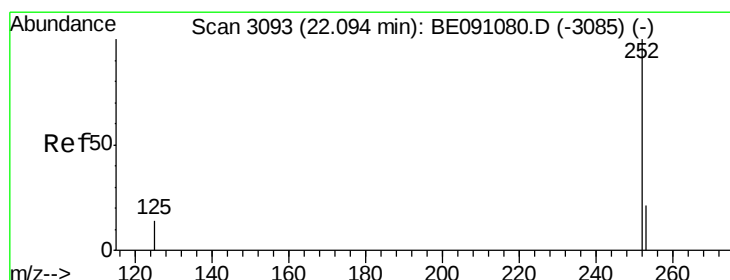
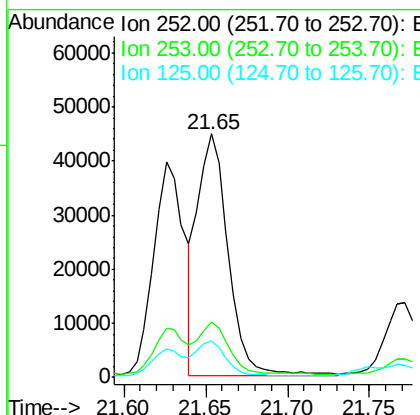
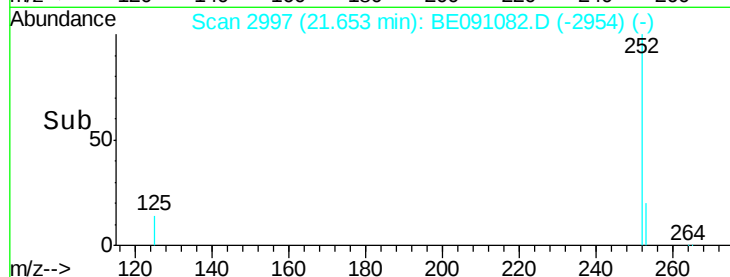
Instrument :
BNA_E
ClientSampleId :
C0AN7DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.8	31.2
125	14.9	12.2	18.4

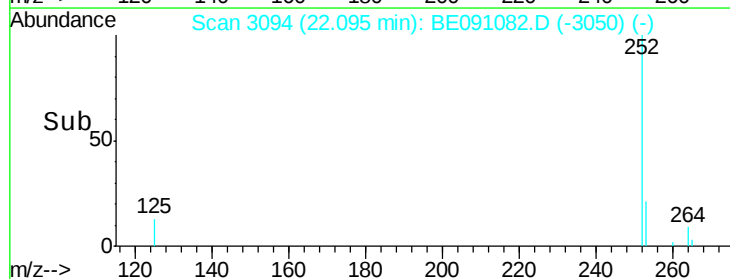
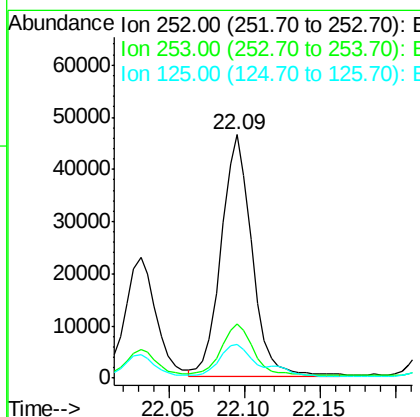
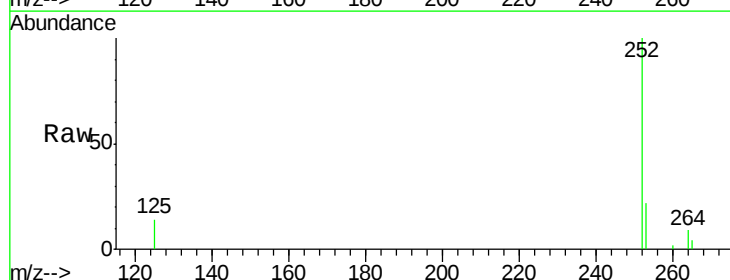
Manual Integrations
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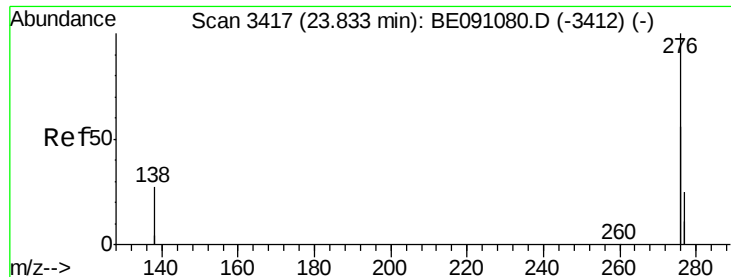
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#25
Benzo(a)pyrene
Concen: 0.82 ng/ul m
RT: 22.09 min Scan# 3094
Delta R.T. 0.00 min
Lab File: BE091082.D
Acq: 6 Nov 2015 9:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	21.8	32.8
125	14.0	14.5	21.7#

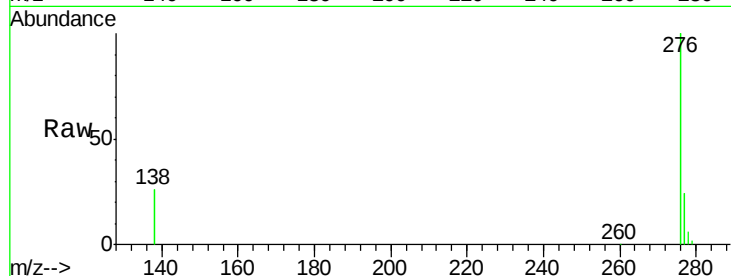




#26

Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng/ul m
RT: 23.83 min Scan# 3417
Delta R.T. -0.00 min
Lab File: BE091082.D
Acq: 6 Nov 2015 9:47

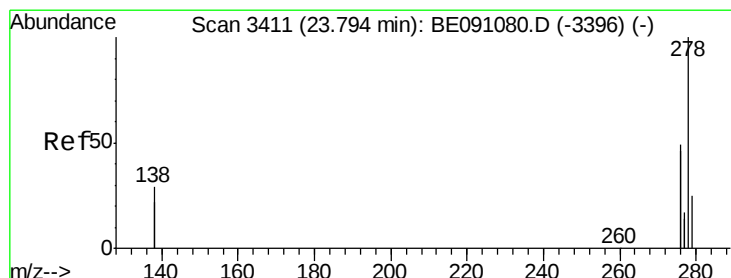
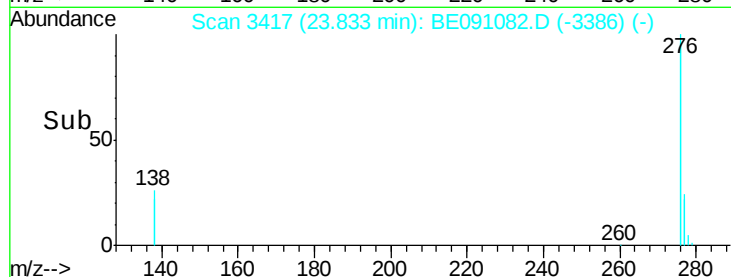
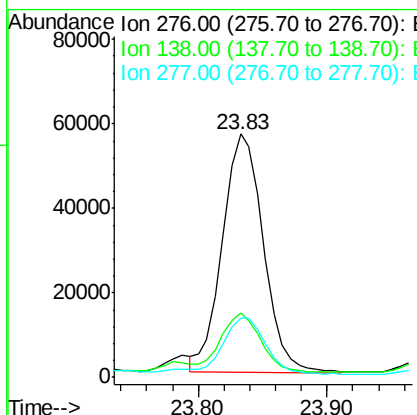
Instrument :
BNA_E
ClientSampleId :
C0AN7DL



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	124680		
138	23.4	27.5	41.3#	
277	25.9	19.3	28.9	

Manual Integrations
APPROVED

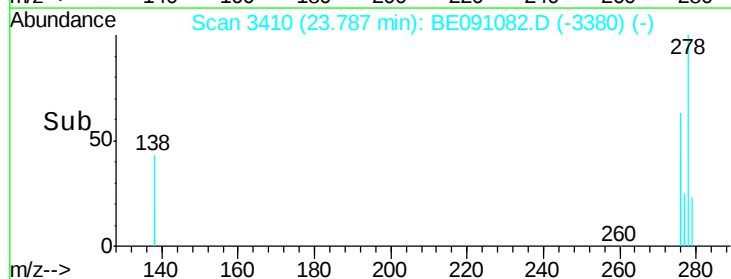
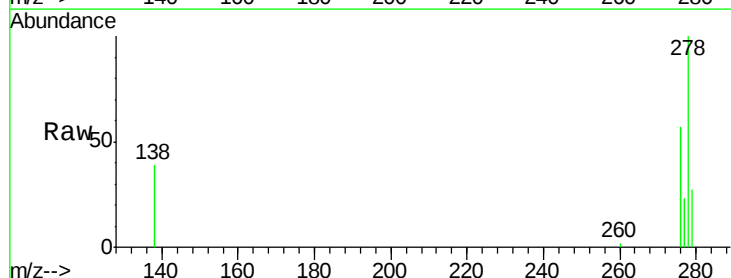
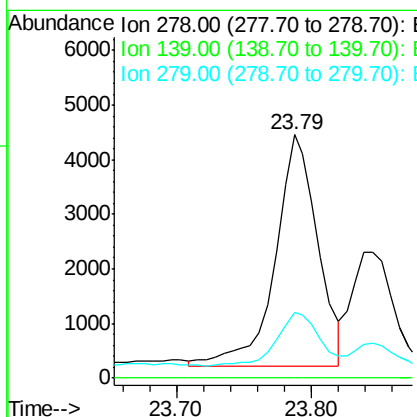
Mmdadoda
11/9/2015 6:47:54 PM

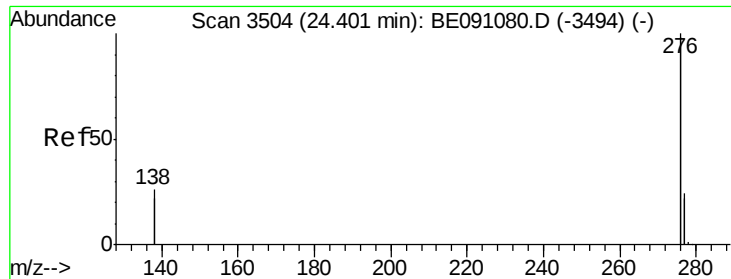


#27

Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 23.79 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BE091082.D
Acq: 6 Nov 2015 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	9344		
139	0.0	21.7	32.5#	
279	27.0	21.9	32.9	





#28

Benzo(g,h,i)perylene

Concen: 0.29 ng/ul

RT: 24.40 min Scan# 3504

Delta R.T. -0.00 min

Lab File: BE091082.D

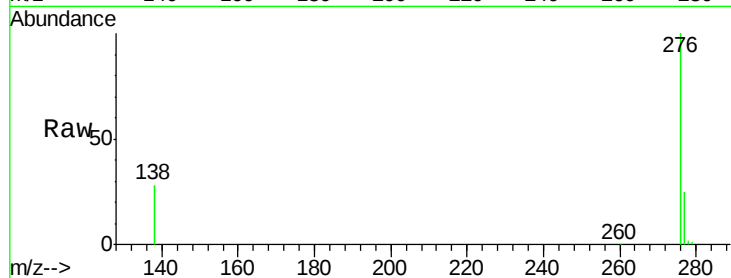
Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

C0AN7DL



Tgt Ion: 276 Resp: 100333

Ion Ratio Lower Upper

276 100

277 25.4 21.3 31.9

138 27.6 25.5 38.3

Manual Integrations
APPROVED

Mmdadoda
11/9/2015 6:47:54 PM

