

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091069.D
 Acq On : 5 Nov 2015 14:32
 Operator : UM/NP
 Sample : G4273-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP1

Manual Integrations
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 11/6/2015 3:45:19 PM

Quant Time: Nov 06 06:19:56 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 : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	4276	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	23453	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	13426	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	30740m	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	32479	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	45662m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	16566	5.39	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	6182	0.19	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	16786	0.19	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	9.62	128	17963	0.31	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	12816	0.34	ng/ul	98
9) Acenaphthylene	13.15	152	11455	0.17	ng/ul	100
10) Acenaphthene	13.46	153	56921	1.24	ng/ul	92
11) Fluorene	14.45	166	69726	1.18	ng/ul	95
14) Phenanthrene	16.17	178	896615m	2.53	ng/ul	
15) Anthracene	16.25	178	709820	2.20	ng/ul	98
17) Fluoranthene	18.15	202	1561855m	3.76	ng/ul	
19) Pyrene	18.54	202	1137310	3.08	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	144657	1.73	ng/ul	96
21) Chrysene	20.32	228	136178	1.42	ng/ul	99
23) Benzo(b)fluoranthene	21.63	252	91676	0.64	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	99127m	0.68	ng/ul	
25) Benzo(a)pyrene	22.10	252	106009m	0.81	ng/ul	
26) Indeno(1,2,3-cd)pyrene	23.83	276	221253m	0.40	ng/ul	
27) Dibenzo(a,h)anthracene	23.79	278	16656m	0.13	ng/ul	
28) Benzo(g,h,i)perylene	24.40	276	190144m	0.33	ng/ul	

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

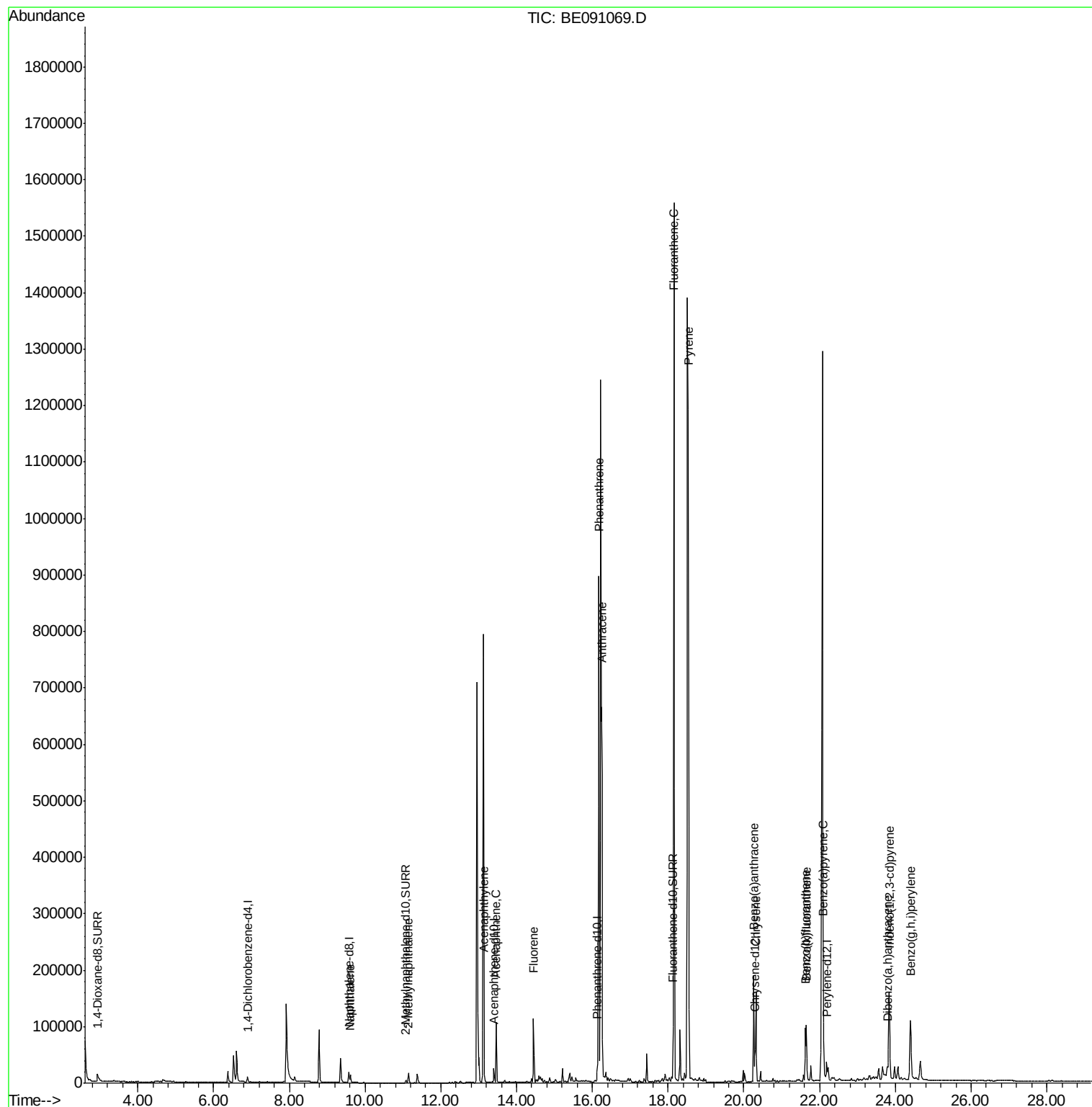
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

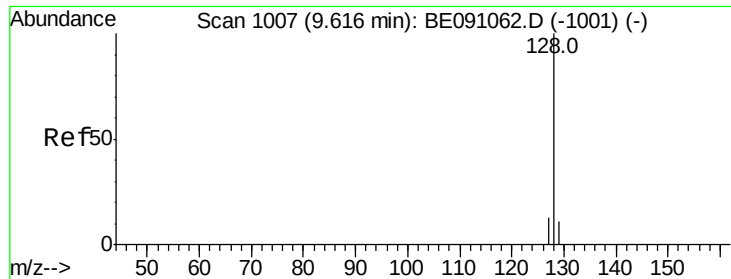
Instrument :
BNA_E
ClientSampleId :
C0AP1

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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QLast Update : Fri Nov 06 05:41:57 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.31 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Instrument :

BNA_E

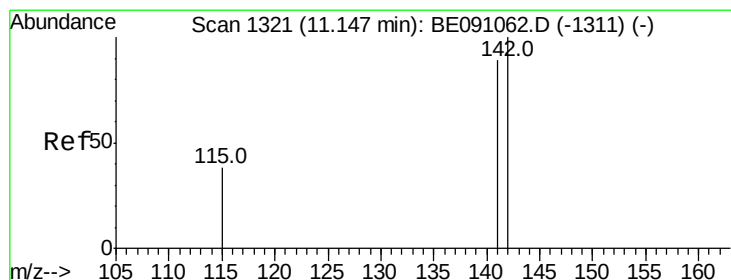
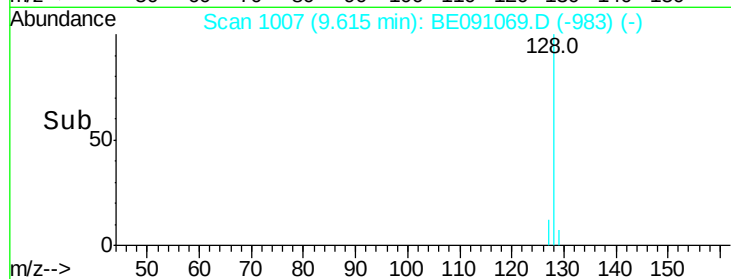
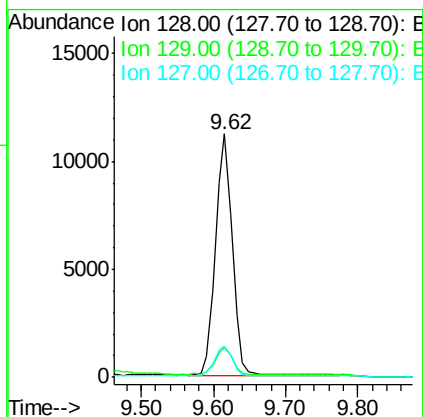
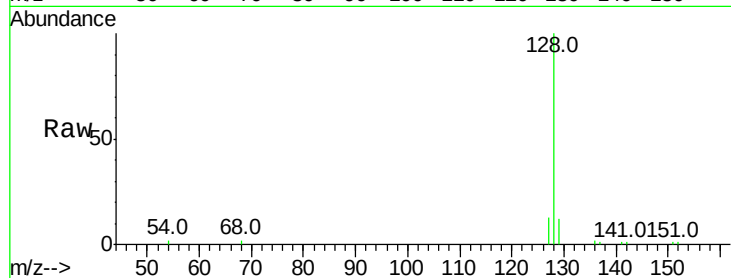
ClientSampled :

C0AP1

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.8	14.8
127	12.9	10.7	16.1

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#7

2-Methylnaphthalene

Concen: 0.34 ng/ul

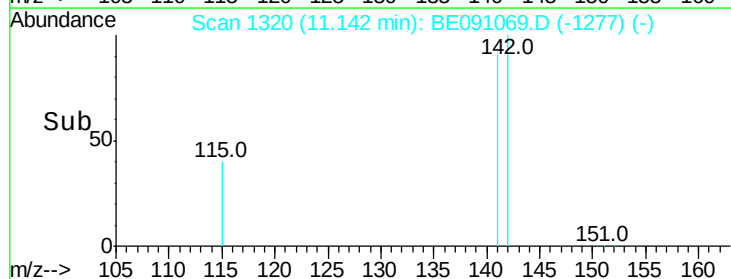
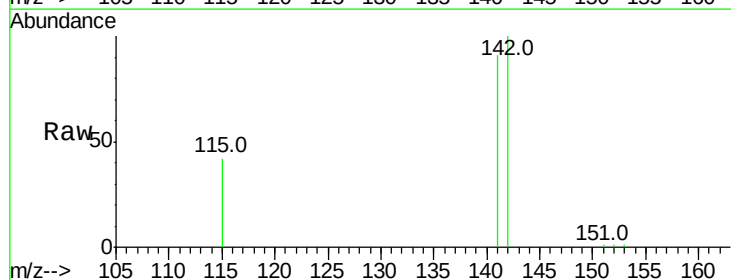
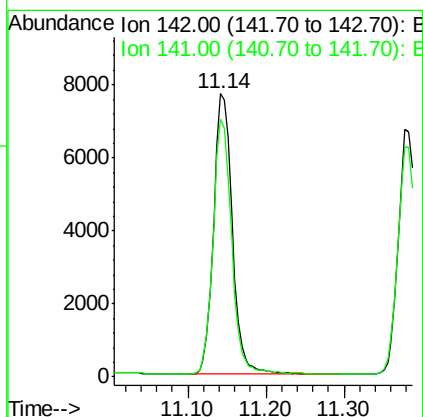
RT: 11.14 min Scan# 1320

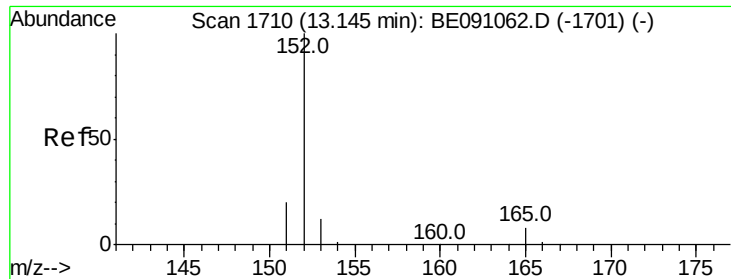
Delta R.T. -0.00 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.3	105.5





#9

Acenaphthylene

Concen: 0.17 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Instrument :

BNA_E

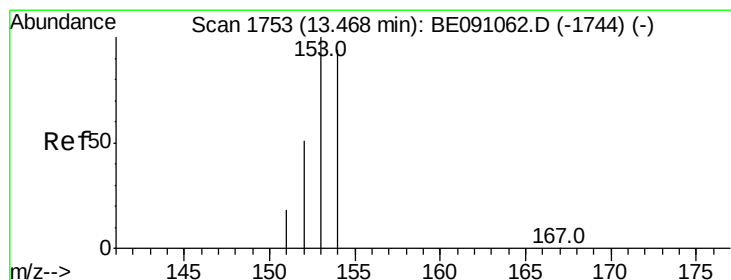
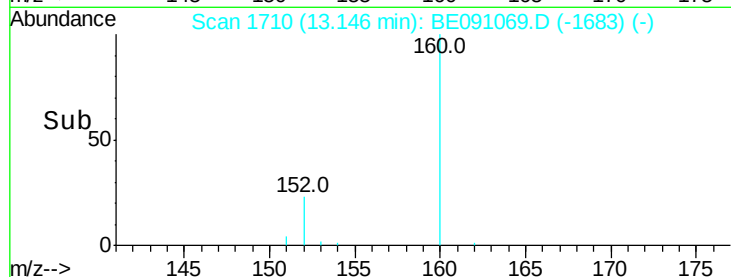
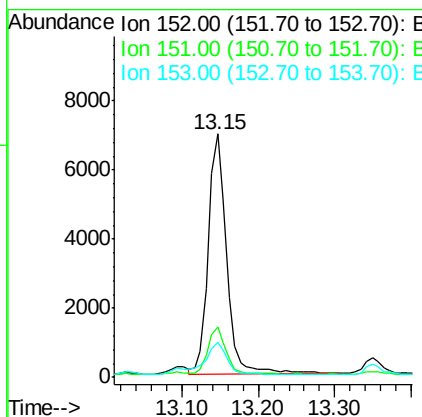
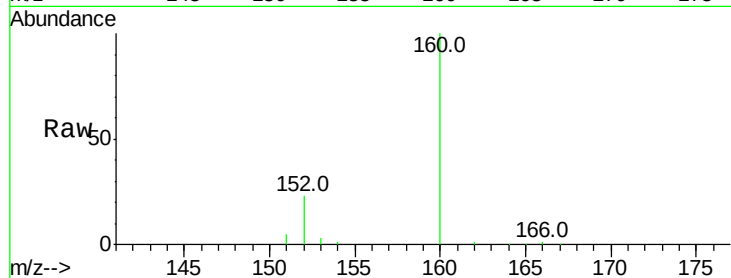
ClientSampleId :

C0AP1

Tot Ion:	152	Resp:	11455
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.8	25.2
153	14.2	11.3	16.9

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#10

Acenaphthene

Concen: 1.24 ng/ul

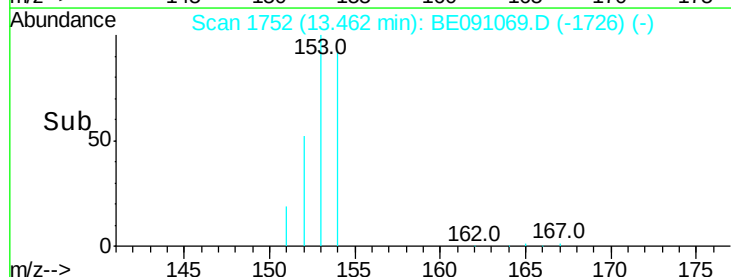
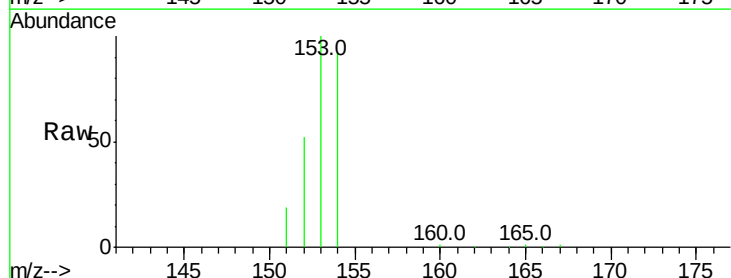
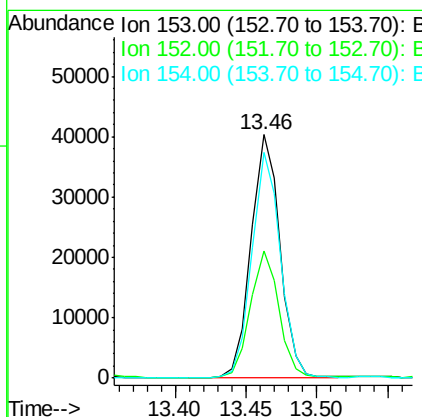
RT: 13.46 min Scan# 1752

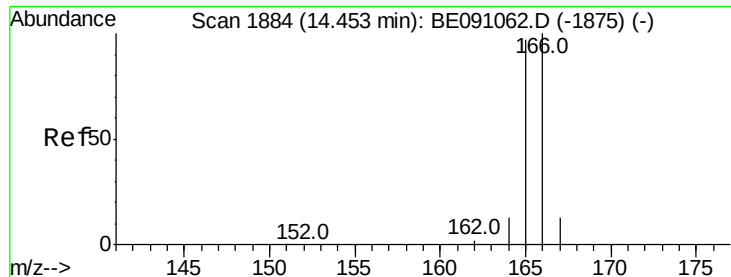
Delta R.T. -0.01 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Tgt Ion:	153	Resp:	56921
Ion Ratio	Lower	Upper	
153	100		
152	52.2	42.3	63.5
154	92.5	64.7	97.1





#11

Fluorene

Concen: 1.18 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Instrument :

BNA_E

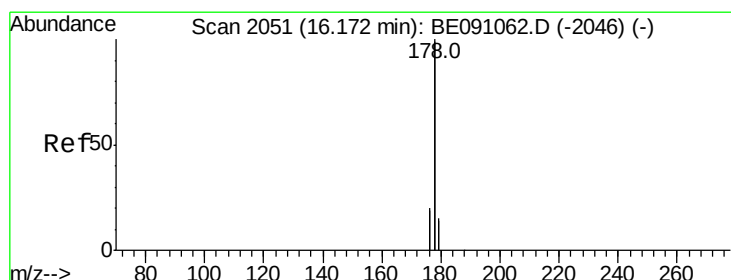
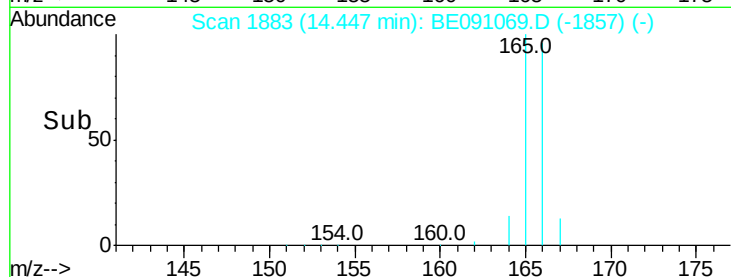
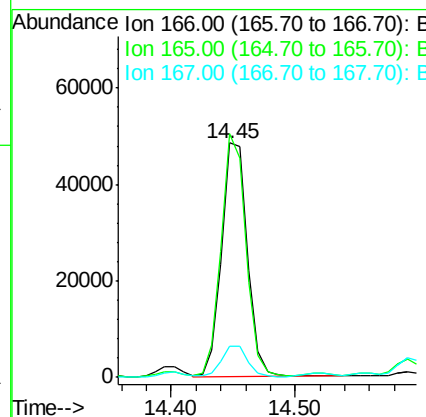
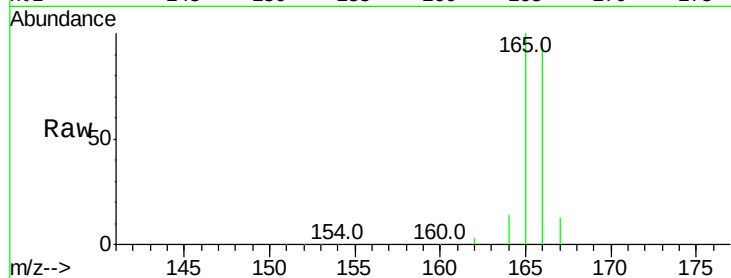
ClientSampleId :

C0AP1

Tot Ion:	166	Resp:	69726
Ion Ratio	Lower	Upper	
166	100		
165	104.0	87.6	131.4
167	13.5	11.1	16.7

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#14

Phenanthrene

Concen: 2.53 ng/ul m

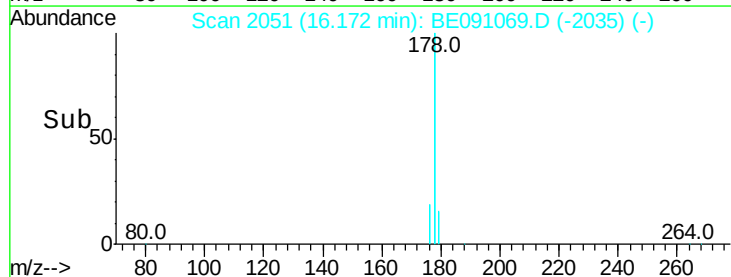
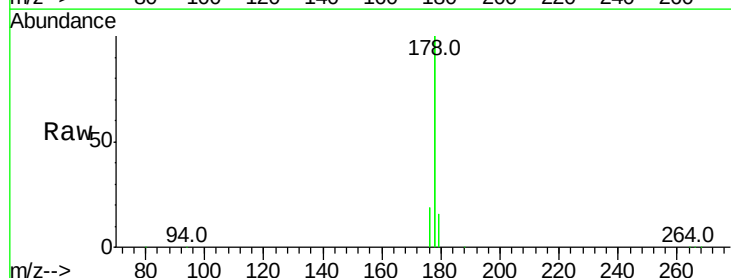
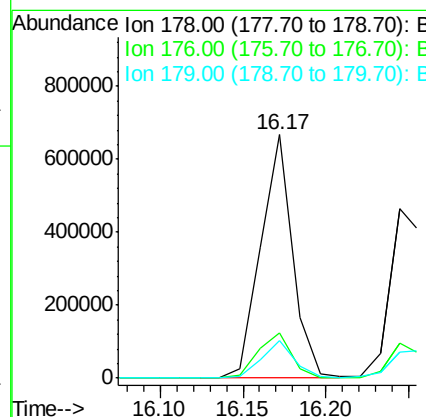
RT: 16.17 min Scan# 2051

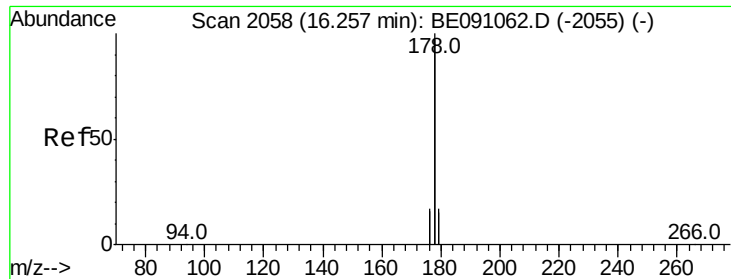
Delta R.T. 0.00 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Tgt Ion:	178	Resp:	896615
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.2	24.4
179	15.6	12.8	19.2





#15

Anthracene

Concen: 2.20 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Instrument :

BNA_E

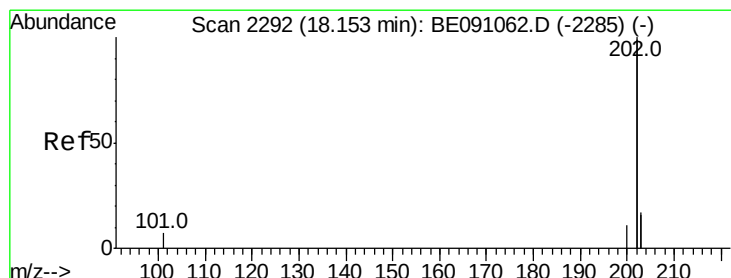
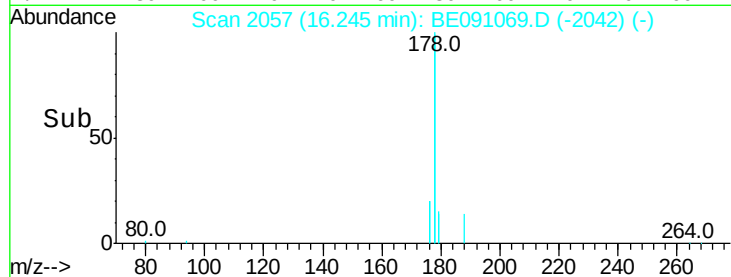
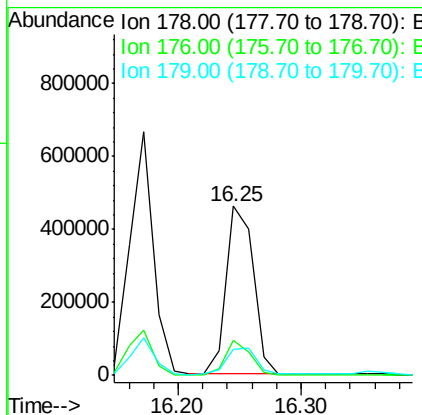
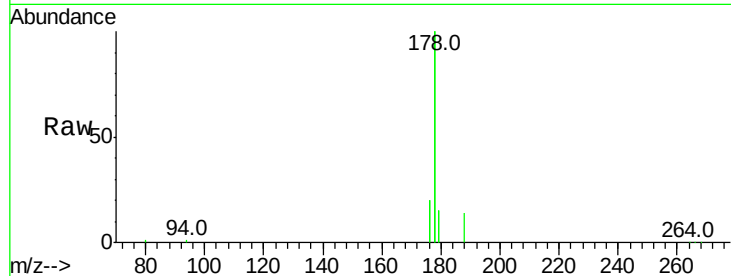
ClientSampleId :

C0AP1

Tot Ion:	178	Resp:	709820
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.8	23.8
179	15.5	13.3	19.9

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#17

Fluoranthene

Concen: 3.76 ng/ul m

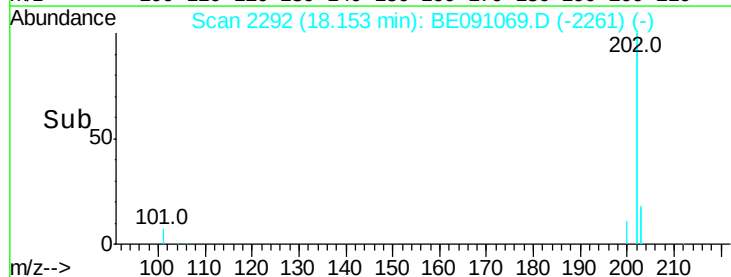
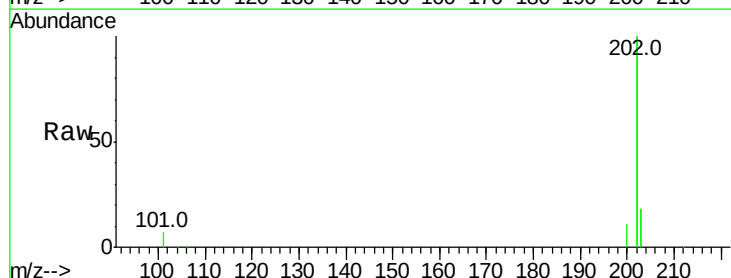
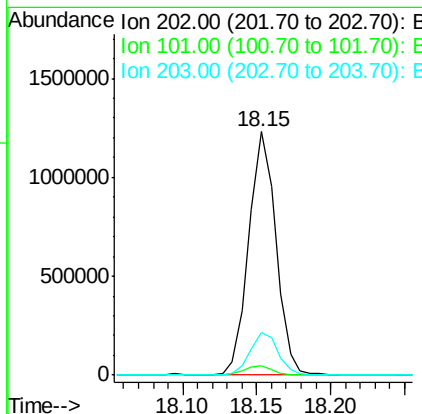
RT: 18.15 min Scan# 2292

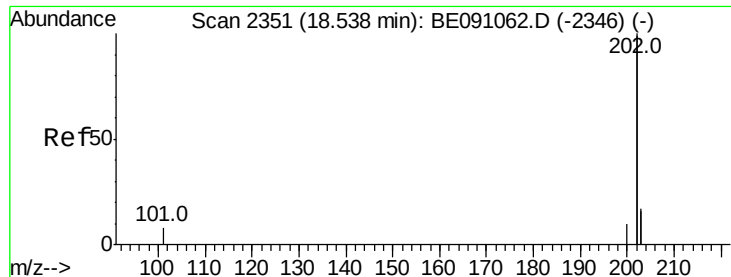
Delta R.T. -0.00 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Tgt Ion:	202	Resp:	1561855
Ion Ratio	Lower	Upper	
202	100		
101	7.2	0.0	33.1
203	17.7	0.0	37.2





#19

Pyrene

Concen: 3.08 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Instrument :

BNA_E

ClientSampleId :

C0AP1

Tot Ion:202 Resp: 1137310

Ion Ratio Lower Upper

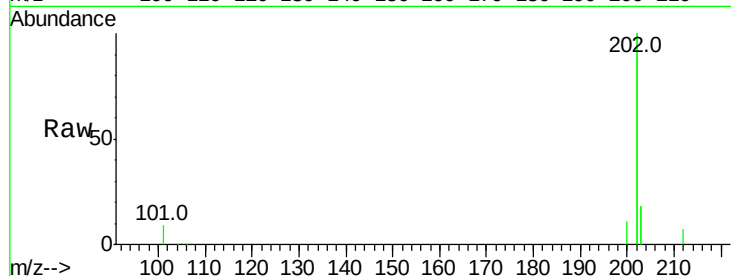
202 100

200 5.5 18.0 27.0#

203 18.0 13.8 20.6

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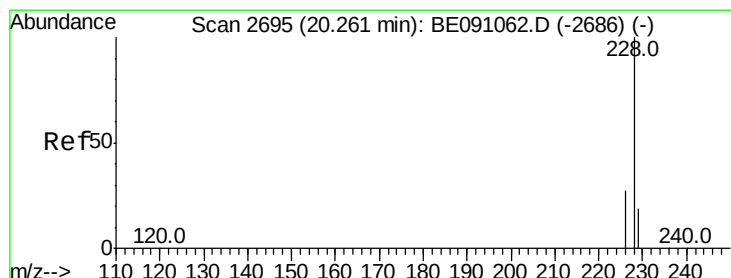
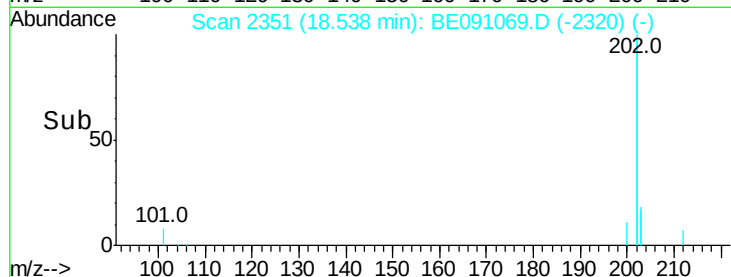
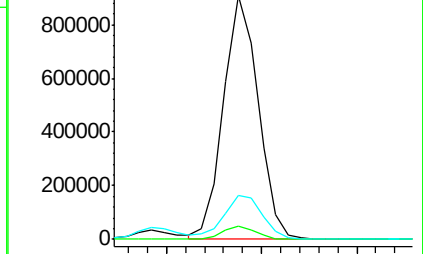
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 1.73 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Tgt Ion:228 Resp: 144657

Ion Ratio Lower Upper

228 100

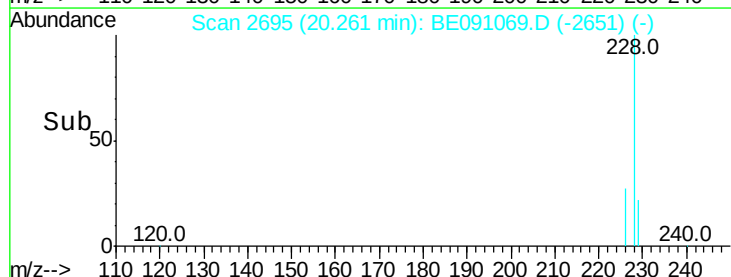
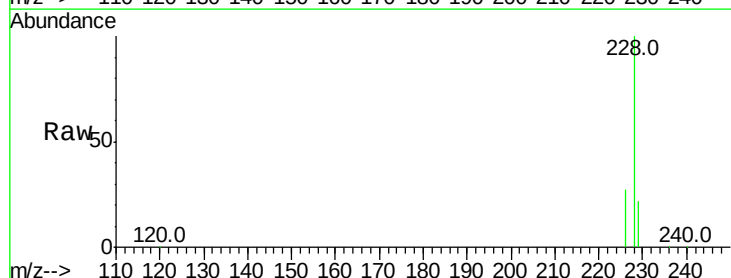
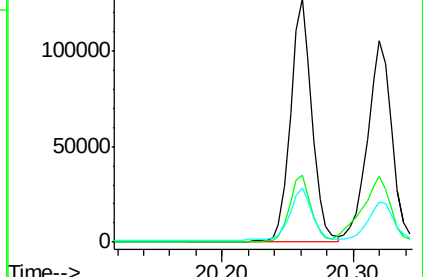
226 27.3 23.0 34.4

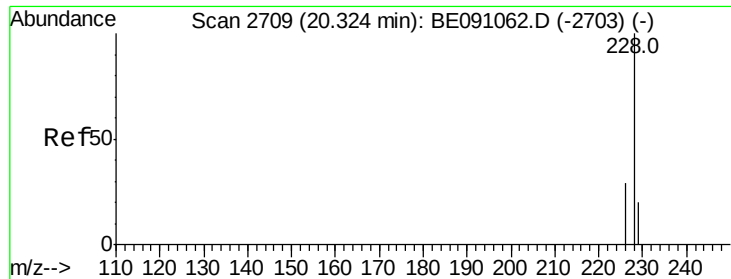
229 22.3 15.2 22.8

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





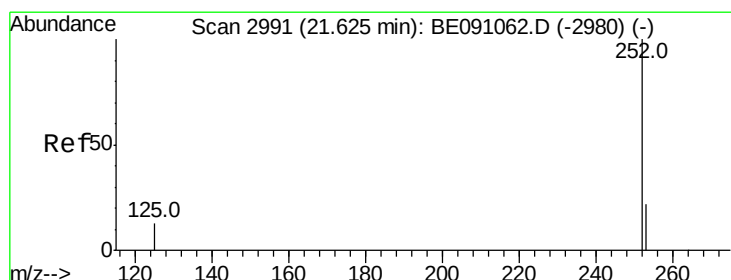
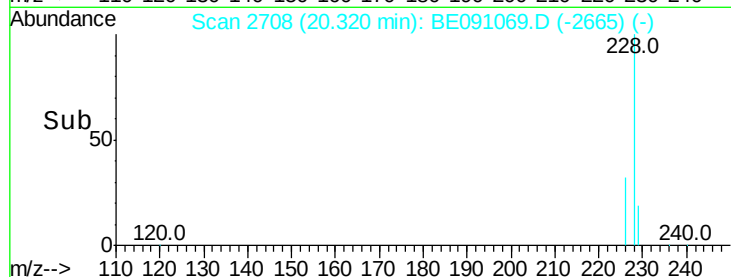
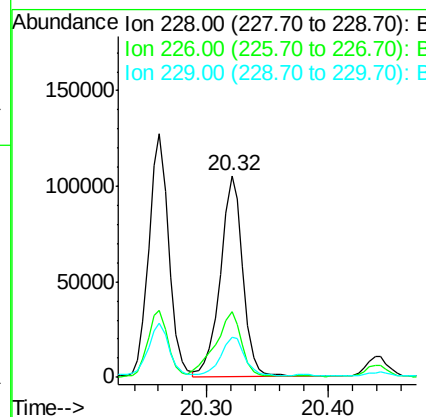
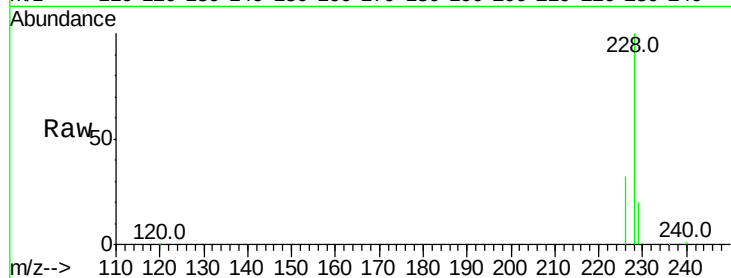
#21
Chrysene
Concen: 1.42 ng/ul
RT: 20.32 min Scan# 2708
Delta R.T. -0.00 min
Lab File: BE091069.D
Acq: 5 Nov 2015 14:32

Instrument :
BNA_E
ClientSampleId :
C0AP1

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.7	38.5
229	20.2	15.2	22.8

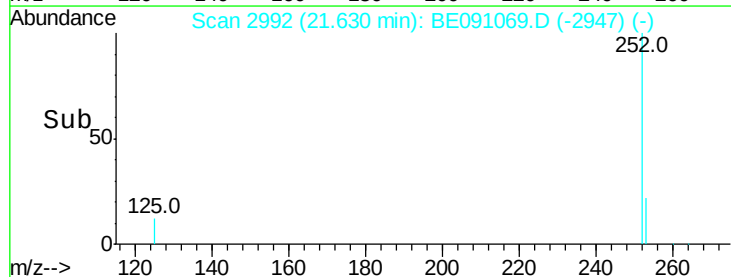
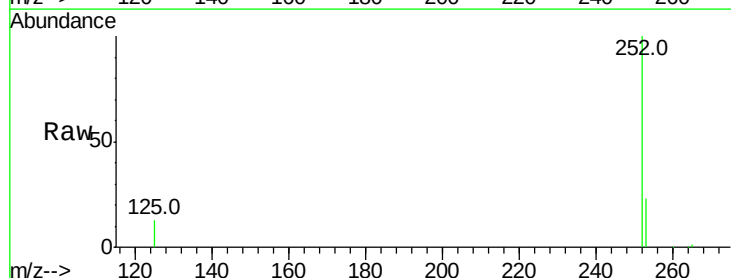
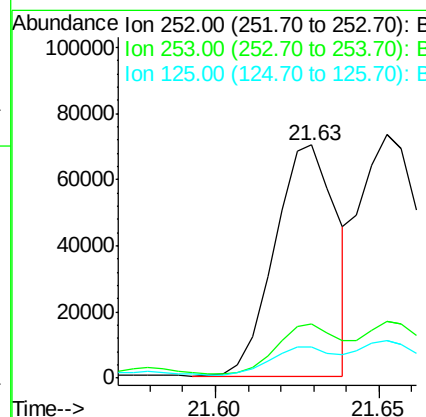
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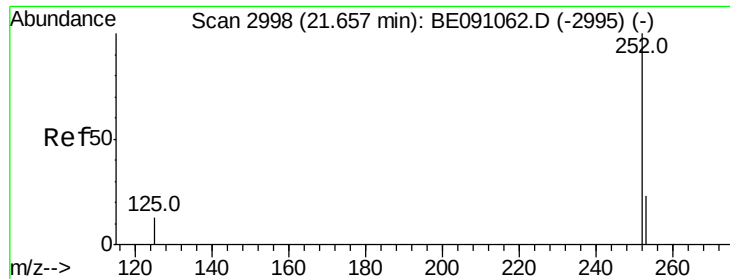
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#23
Benzo(b)fluoranthene
Concen: 0.64 ng/ul
RT: 21.63 min Scan# 2992
Delta R.T. 0.00 min
Lab File: BE091069.D
Acq: 5 Nov 2015 14:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	48.0
125	13.3	0.0	36.6





#24

Benzo(k)fluoranthene

Concen: 0.68 ng/ul m

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091069.D

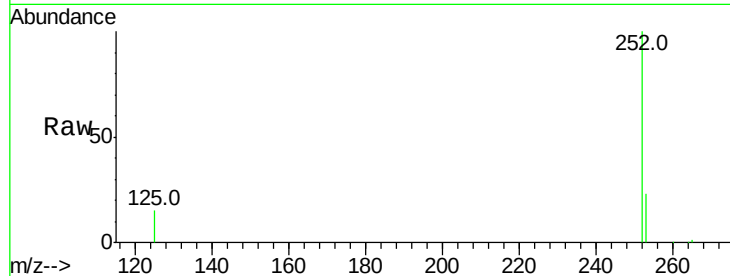
Acq: 5 Nov 2015 14:32

Instrument :

BNA_E

ClientSampleId :

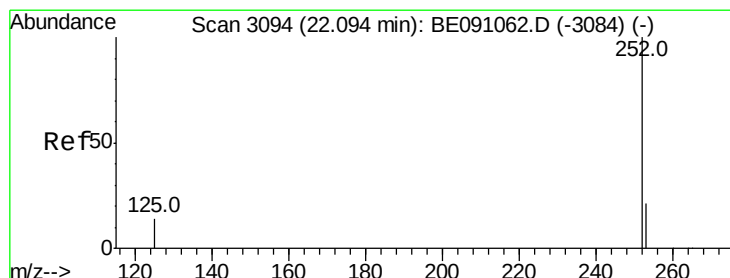
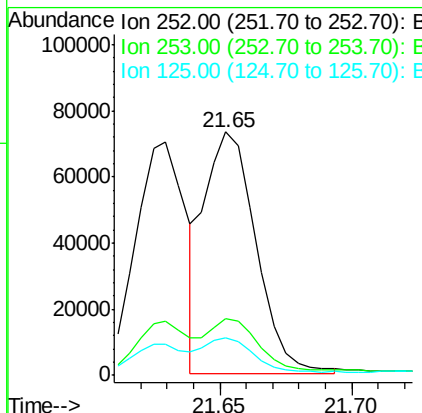
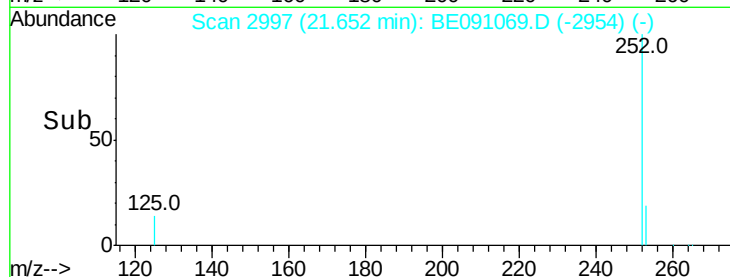
C0AP1



Tot Ion:	252	Resp:	99127
Ion Ratio	Lower	Upper	
252	100		
253	23.0	20.8	31.2
125	15.4	12.2	18.4

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#25

Benzo(a)pyrene

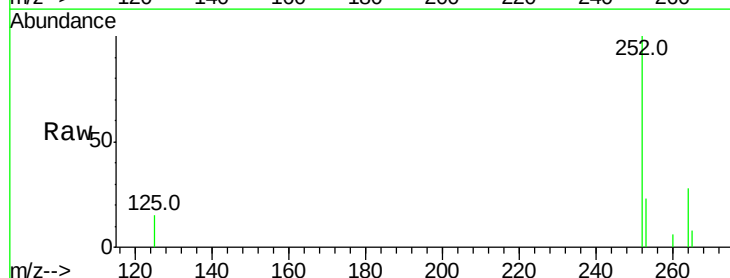
Concen: 0.81 ng/ul m

RT: 22.10 min Scan# 3095

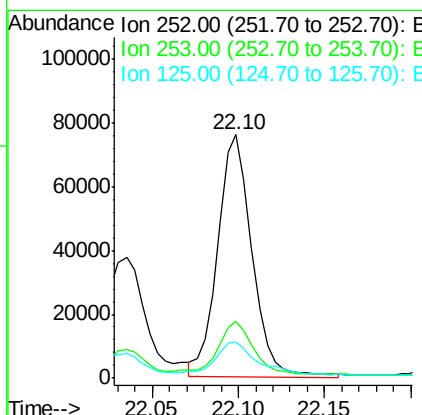
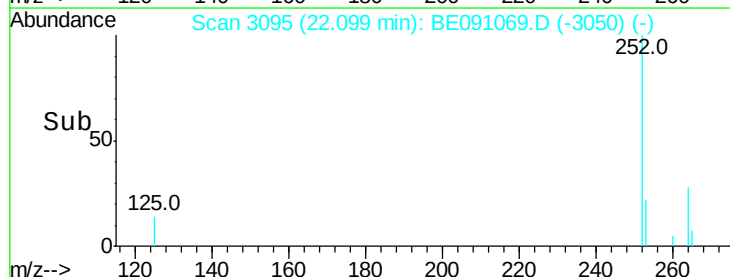
Delta R.T. 0.00 min

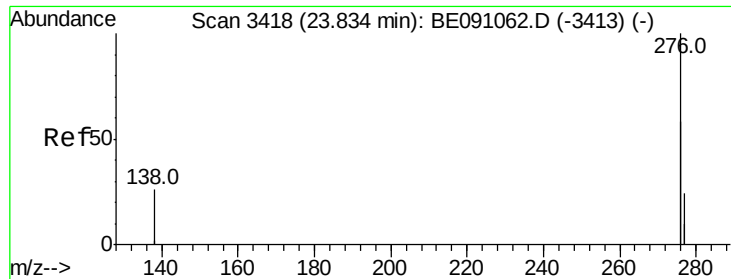
Lab File: BE091069.D

Acq: 5 Nov 2015 14:32



Tgt Ion:	252	Resp:	106009
Ion Ratio	Lower	Upper	
252	100		
253	23.1	21.8	32.8
125	14.9	14.5	21.7





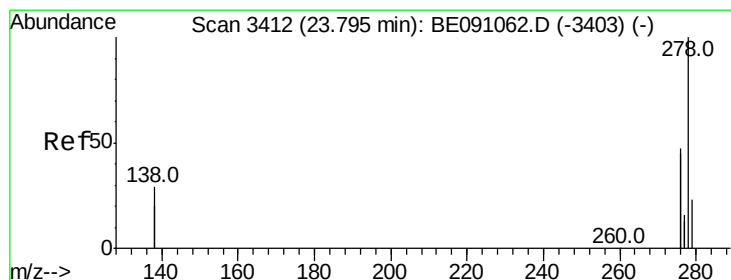
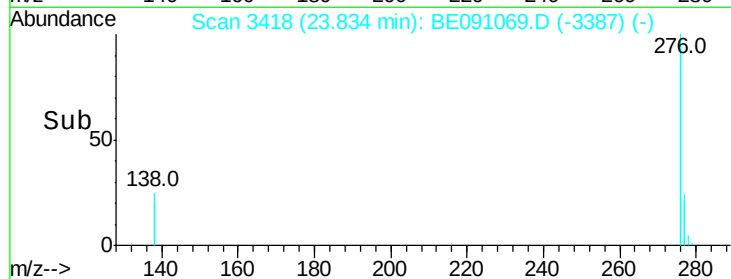
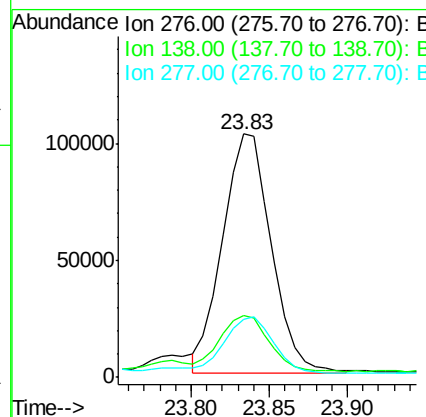
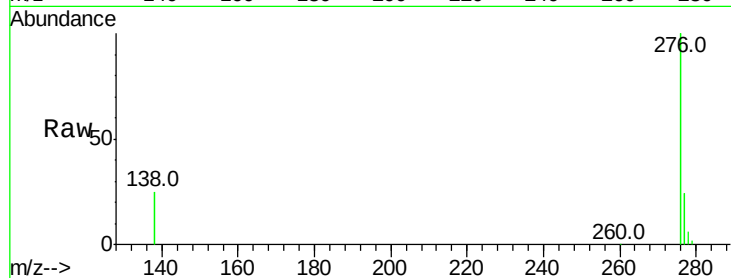
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.40 ng/ul m
 RT: 23.83 min Scan# 3418
 Delta R.T. -0.00 min
 Lab File: BE091069.D
 Acq: 5 Nov 2015 14:32

Instrument :
 BNA_E
 ClientSampleId :
 C0AP1

Tot Ion	Ratio	Resp	Lower	Upper
276	100	221253		
138	4.4	27.5	41.3#	
277	4.9	19.3	28.9#	

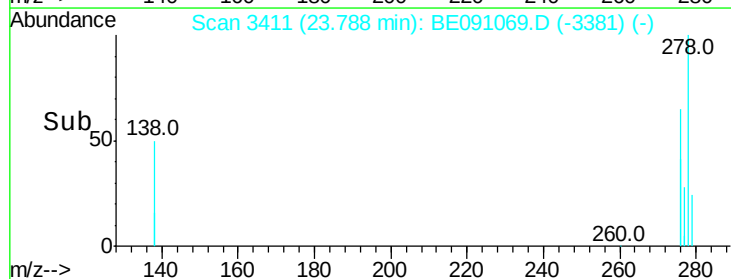
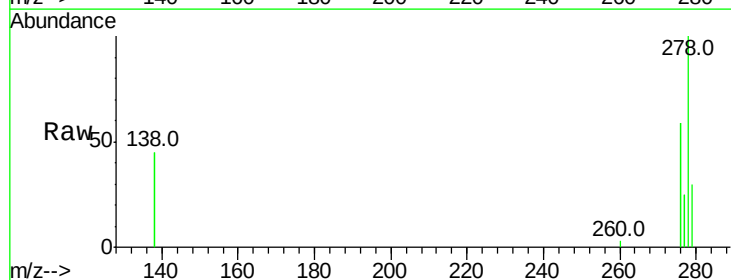
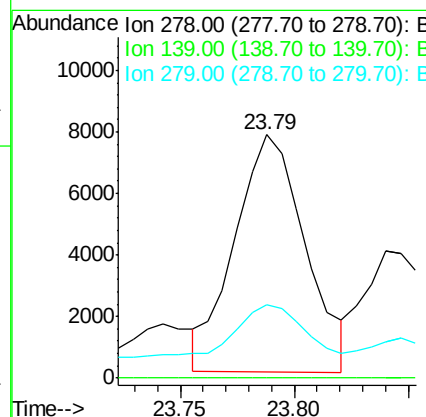
Manual Integrations
 APPROVED

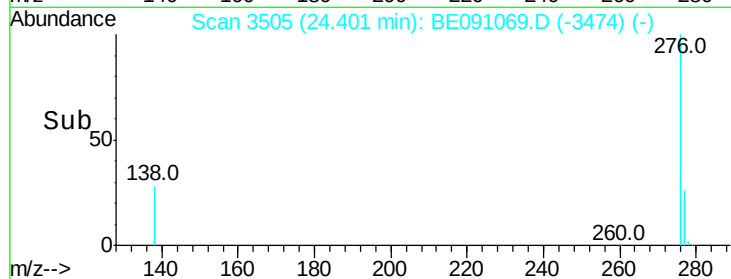
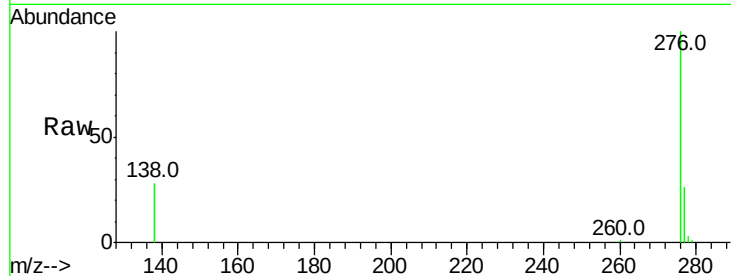
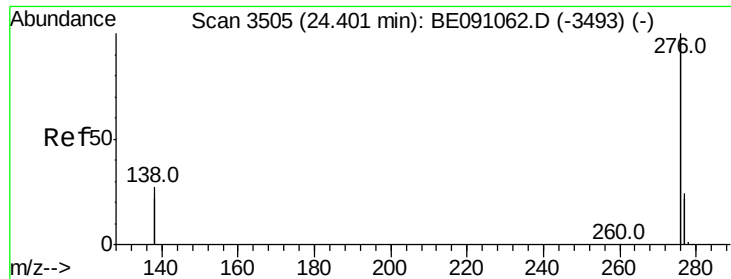
Mmdadoda
 11/6/2015 3:45:19 PM



#27
 Dibenzo(a,h)anthracene
 Concen: 0.13 ng/ul m
 RT: 23.79 min Scan# 3411
 Delta R.T. -0.01 min
 Lab File: BE091069.D
 Acq: 5 Nov 2015 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	16656		
139	0.0	21.7	32.5#	
279	30.0	21.9	32.9	





#28

Benzo(a,h,i)perylene

Concen: 0.33 ng/ul m

RT: 24.40 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BE091069.D

Acq: 5 Nov 2015 14:32

Instrument :

BNA_E

ClientSampleId :

C0AP1

Tot Ion:	276	Resp:	190144
Ion Ratio	Lower	Upper	
276	100		
277	26.0	21.3	31.9
138	27.9	25.5	38.3

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:45:19 PM

