

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111115\
 Data File : BE091135.D
 Acq On : 12 Nov 2015 9:03
 Operator : UM/NP
 Sample : G4322-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR9

Manual Integrations
 APPROVED

Mmdadoda
 11/16/2015 12:42:23 PM

Quant Time: Nov 13 18:07:41 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 13 13:56:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3576	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	19770	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11491	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.12	188	29104m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.28	240	39986	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	35331m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	8434	3.28	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	1801	0.07	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	4647m	0.06	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	9.61	128	123163	2.53	ng/ul	98
7) 2-Methylnaphthalene	11.14	142	5983	0.19	ng/ul	97
9) Acenaphthylene	13.14	152	4313	0.08	ng/ul	99
10) Acenaphthene	13.46	153	6668	0.17	ng/ul	93
11) Fluorene	14.45	166	8330	0.17	ng/ul	90
14) Phenanthrene	16.16	178	927305	2.76	ng/ul	97
15) Anthracene	16.25	178	200901m	0.66	ng/ul	
17) Fluoranthene	18.15	202	1096418	2.79	ng/ul	89
19) Pyrene	18.53	202	1550718	3.41	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	161867	1.58	ng/ul	96
21) Chrysene	20.32	228	169252	1.43	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	83484	0.76	ng/ul	98
24) Benzo(k)fluoranthene	21.65	252	108292	0.96	ng/ul#	92
25) Benzo(a)pyrene	22.09	252	132202	1.30	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.83	276	258339m	0.60	ng/ul	
27) Dibenzo(a,h)anthracene	23.79	278	18083	0.18	ng/ul#	70
28) Benzo(g,h,i)perylene	24.40	276	275406	0.61	ng/ul	97

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

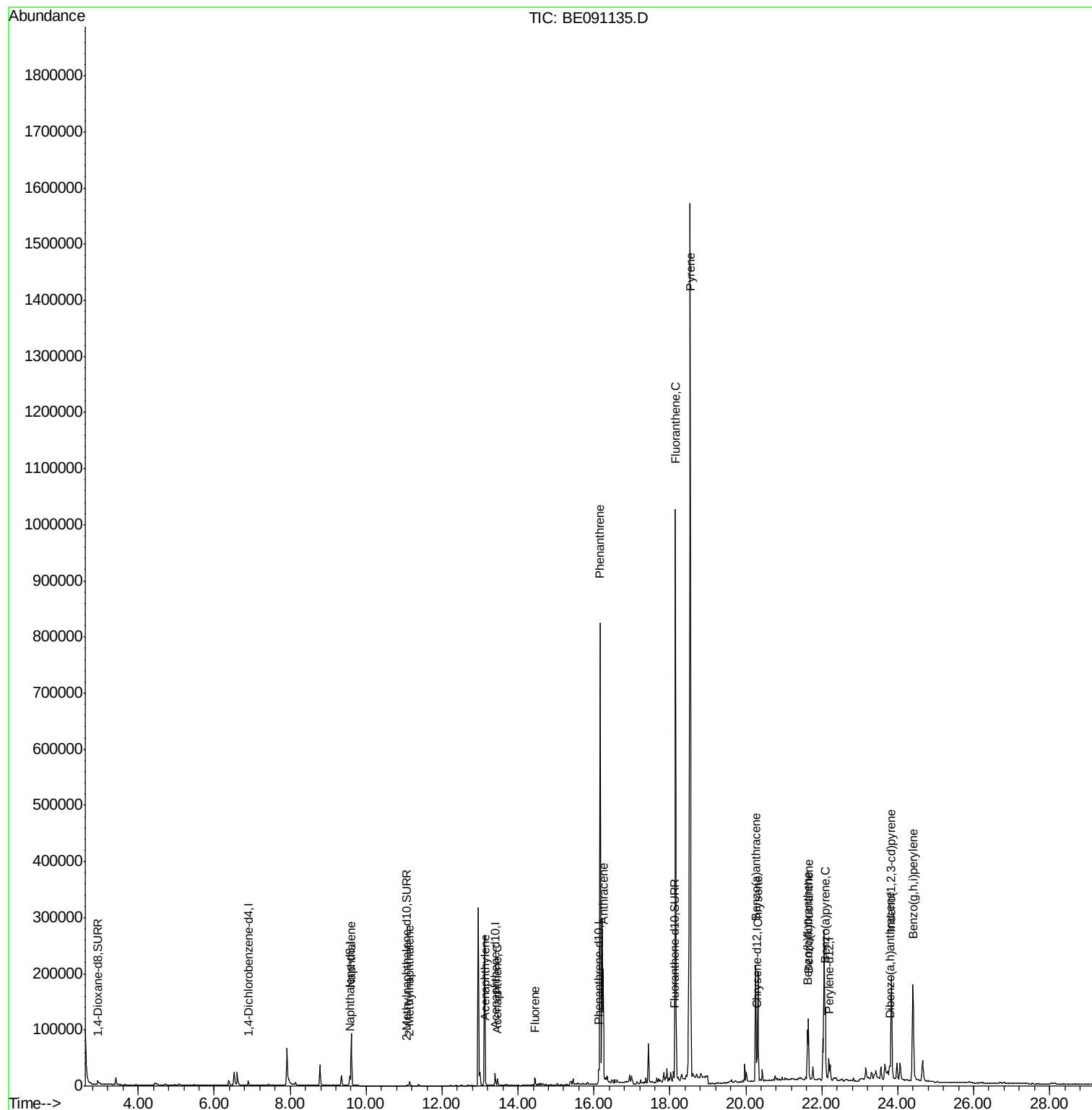
Data Path : Z:\HPCHEM1\BNA E\DATA\BE111115\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

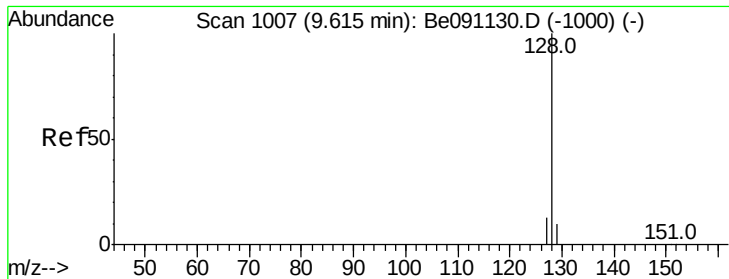
Instrument :
BNA_E
ClientSampleId :
A4HR9

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#5

Naphthalene

Concen: 2.53 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

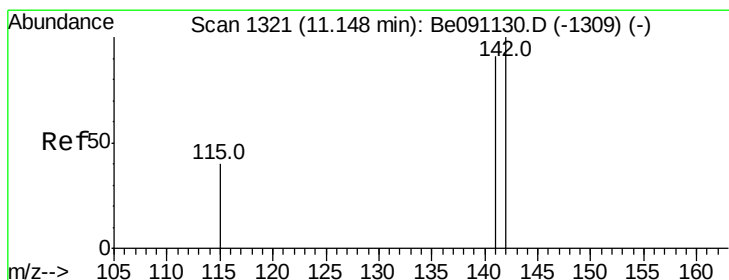
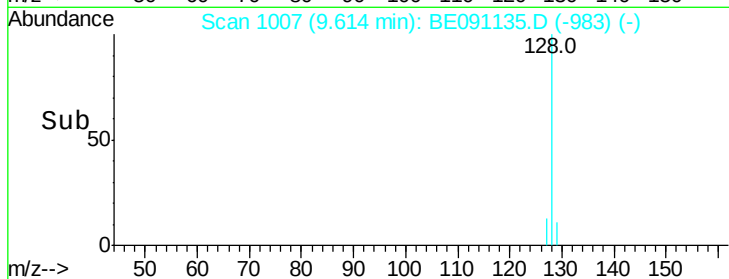
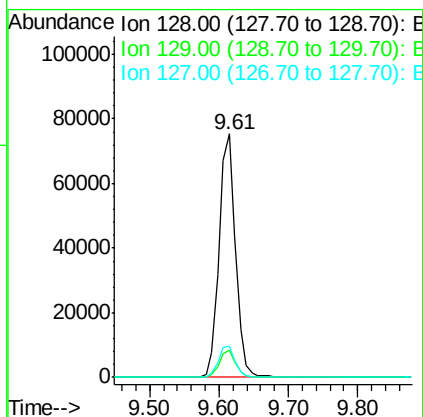
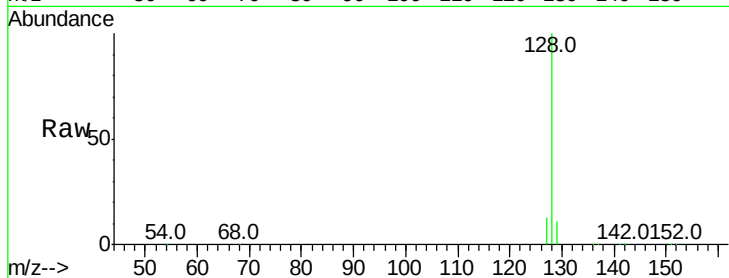
ClientSampleId :

A4HR9

Tot Ion:	128	Resp:	123163
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.8	14.8
127	12.8	10.7	16.1

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#7

2-Methylnaphthalene

Concen: 0.19 ng/ul

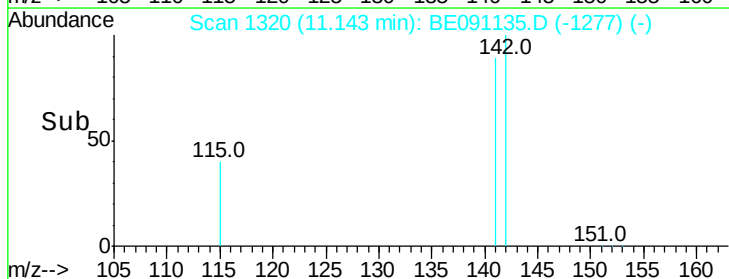
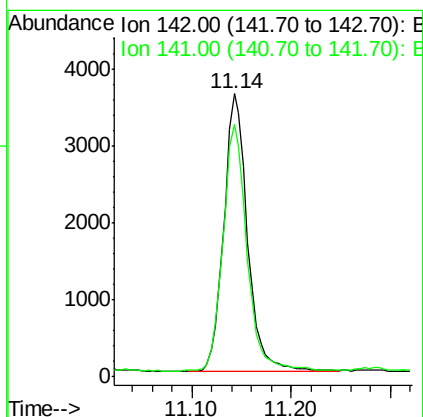
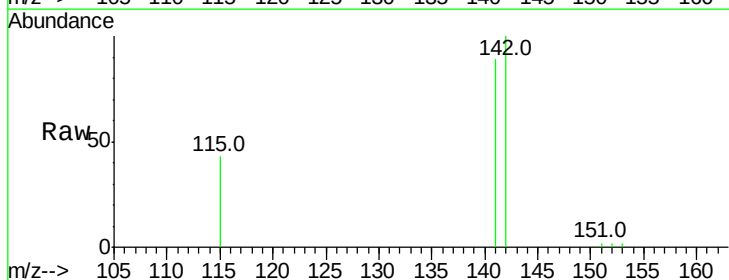
RT: 11.14 min Scan# 1320

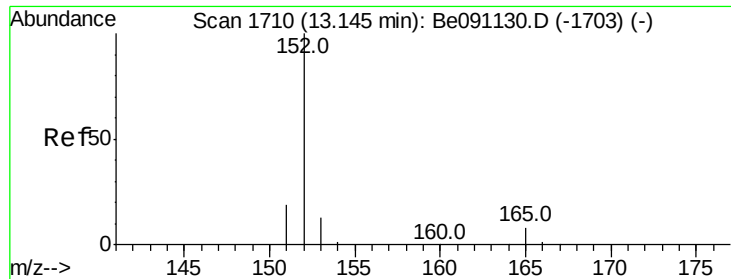
Delta R.T. -0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Tgt Ion:	142	Resp:	5983
Ion Ratio	Lower	Upper	
142	100		
141	90.8	70.3	105.5





#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

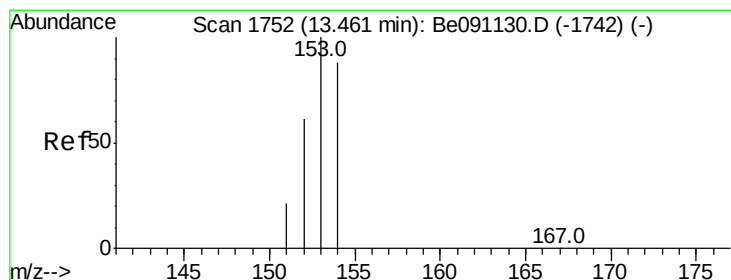
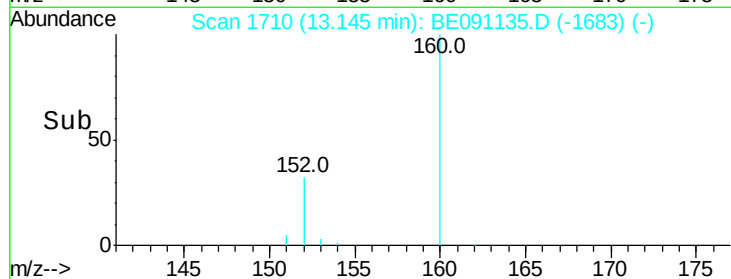
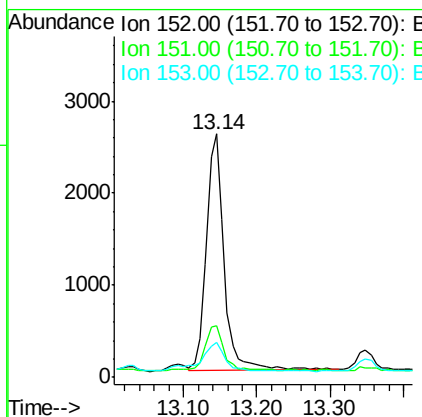
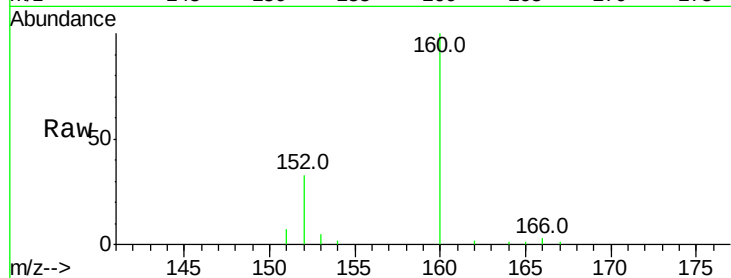
ClientSampleId :

A4HR9

Tot Ion:	152	Resp:	4313
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.8	25.2
153	14.6	11.3	16.9

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#10

Acenaphthene

Concen: 0.17 ng/ul

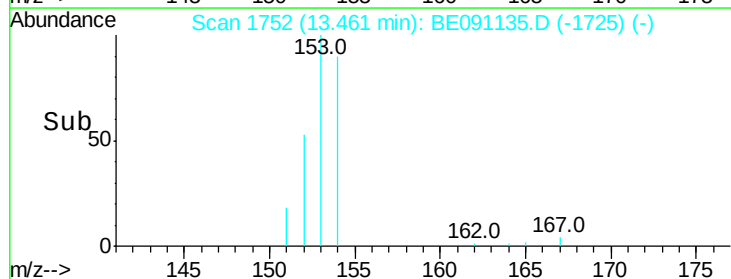
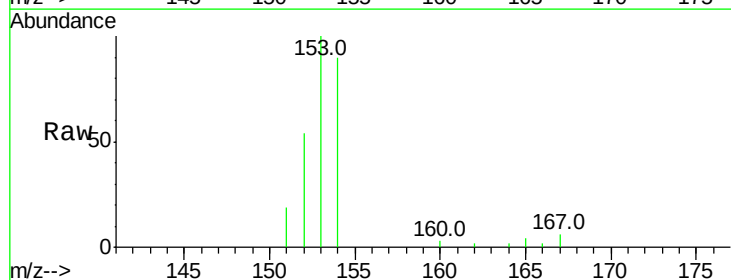
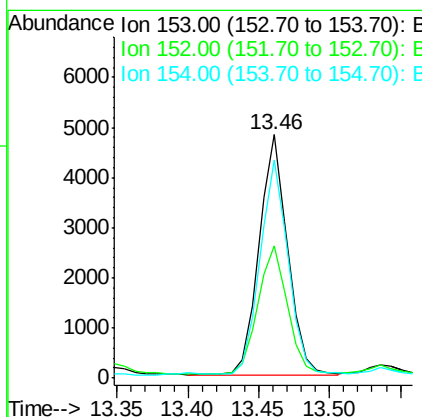
RT: 13.46 min Scan# 1752

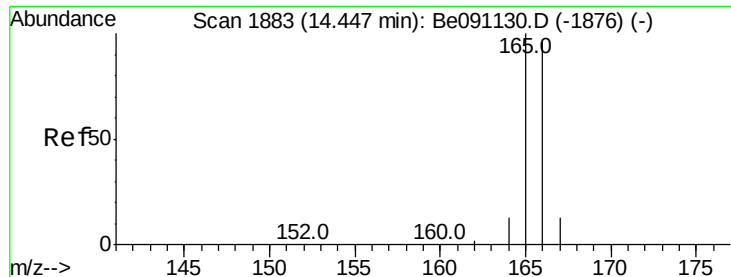
Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Tgt Ion:	153	Resp:	6668
Ion Ratio	Lower	Upper	
153	100		
152	54.3	42.3	63.5
154	89.7	64.7	97.1





#11

Fluorene

Concen: 0.17 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

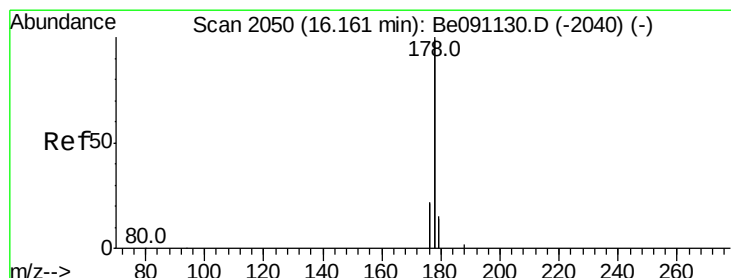
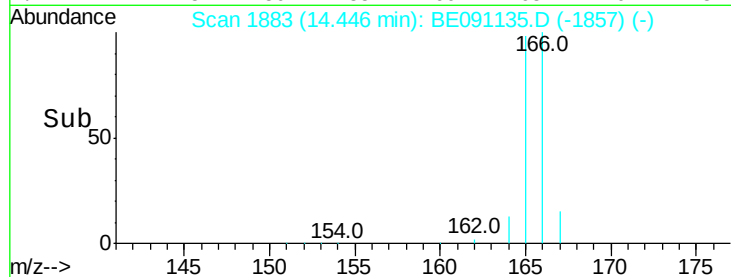
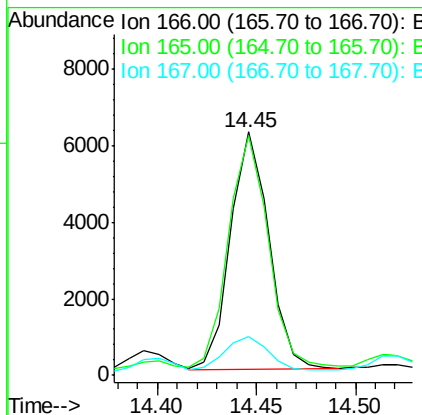
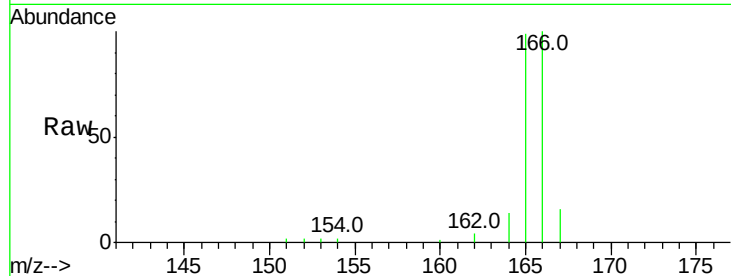
ClientSampleId :

A4HR9

Tot Ion:	166	Resp:	8330
Ion Ratio	Lower	Upper	
166	100		
165	98.7	87.6	131.4
167	16.2	11.1	16.7

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#14

Phenanthrene

Concen: 2.76 ng/ul

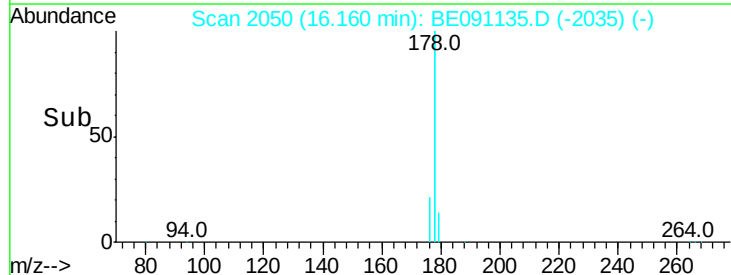
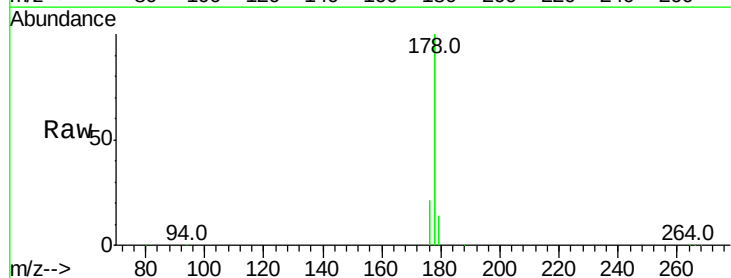
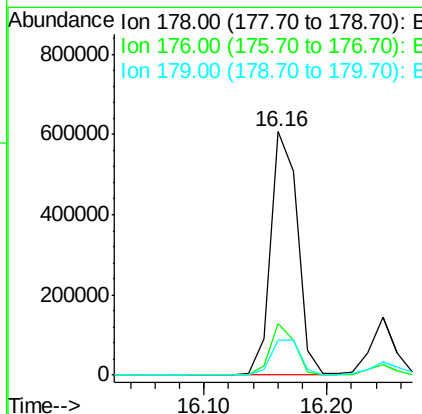
RT: 16.16 min Scan# 2050

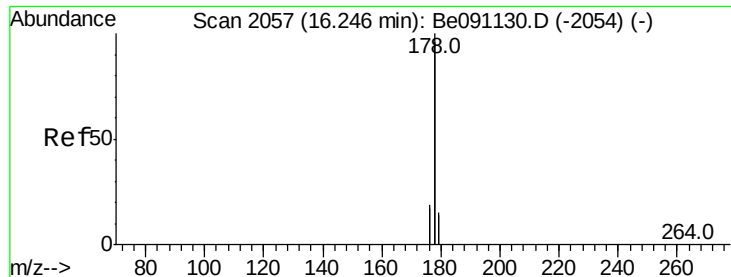
Delta R.T. -0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Tgt Ion:	178	Resp:	927305
Ion Ratio	Lower	Upper	
178	100		
176	21.4	16.2	24.4
179	14.3	12.8	19.2





#15

Anthracene

Concen: 0.66 ng/ul m

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

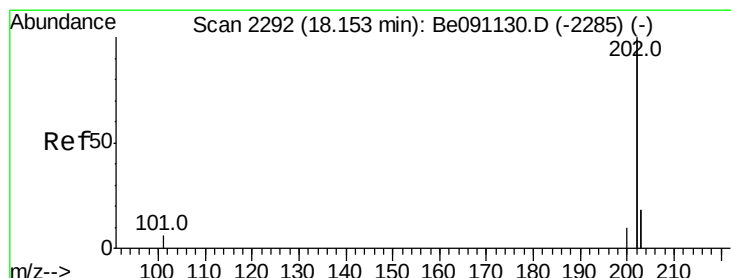
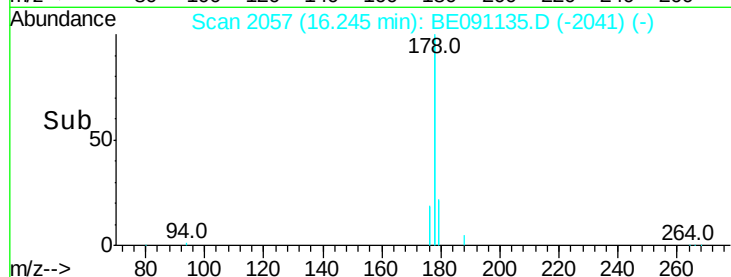
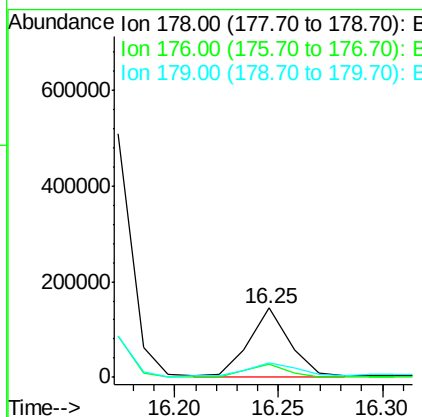
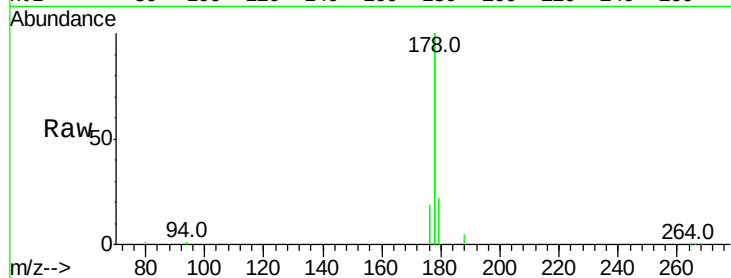
ClientSampleId :

A4HR9

Tot Ion:	178	Resp:	200901
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	21.9	13.3	19.9#

Manual Integrations
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#17

Fluoranthene

Concen: 2.79 ng/ul

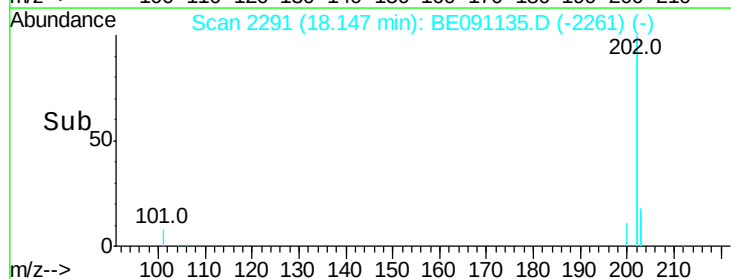
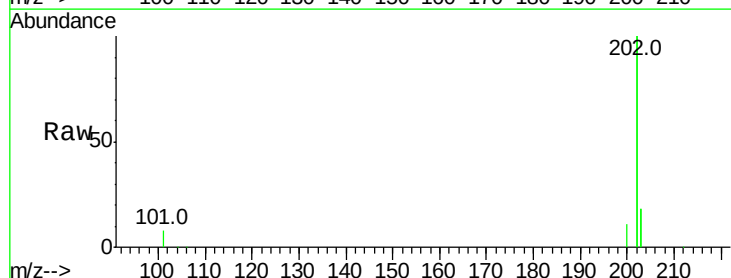
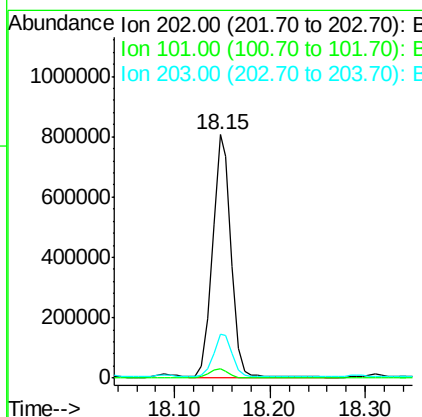
RT: 18.15 min Scan# 2291

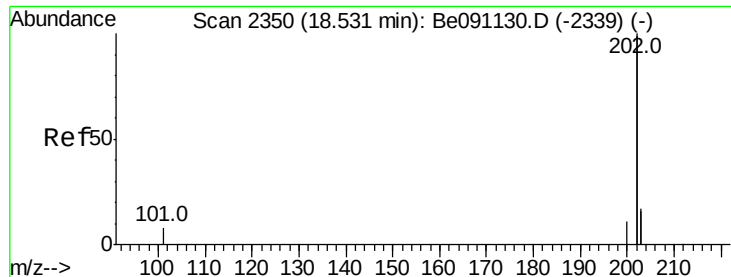
Delta R.T. -0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Tgt Ion:	202	Resp:	1096418
Ion Ratio	Lower	Upper	
202	100		
101	3.8	0.0	33.1
203	17.9	0.0	37.2





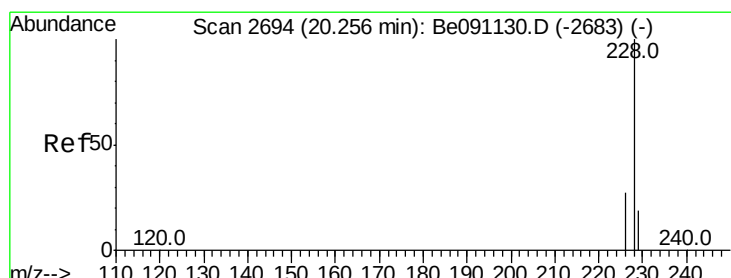
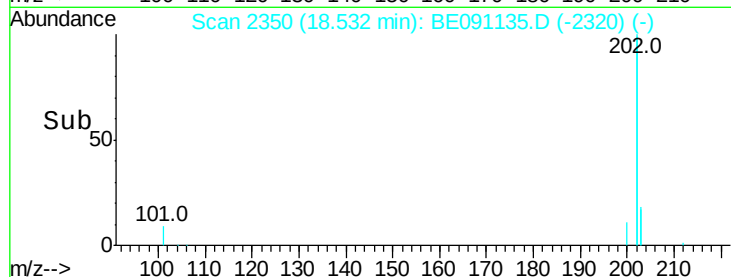
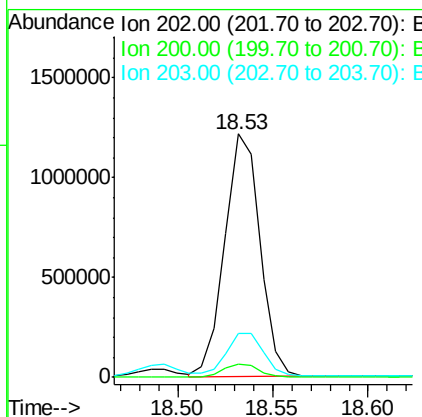
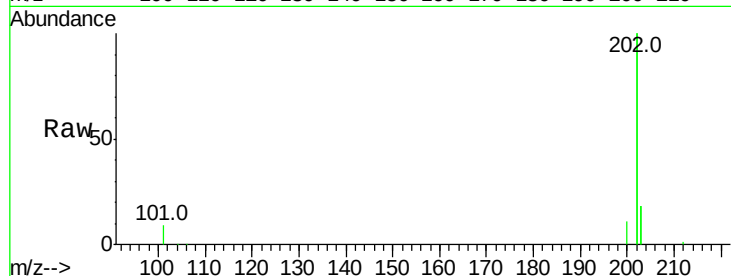
#19
Pvrene
Concen: 3.41 ng/ul
RT: 18.53 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BE091135.D
Acq: 12 Nov 2015 9:03

Instrument :
BNA_E
ClientSampleId :
A4HR9

Tot Ion	Ratio	Lower	Upper
202	100		
200	5.5	18.0	27.0#
203	18.0	13.8	20.6

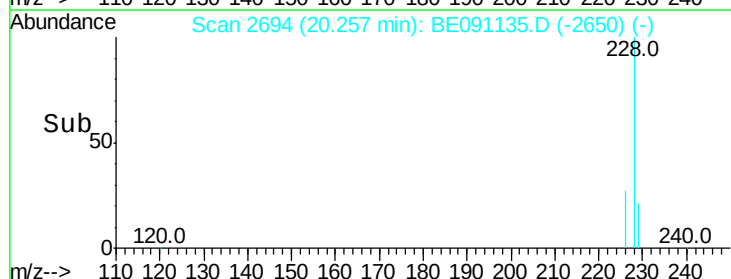
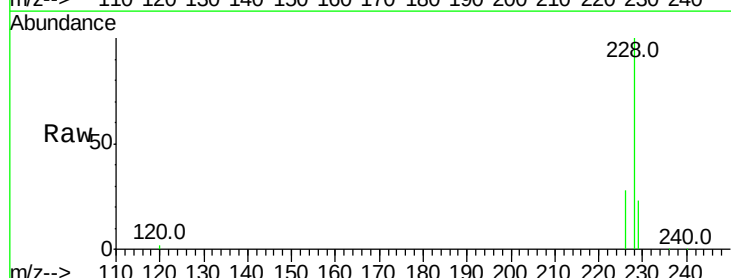
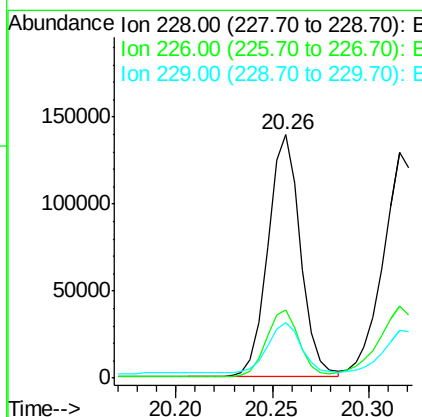
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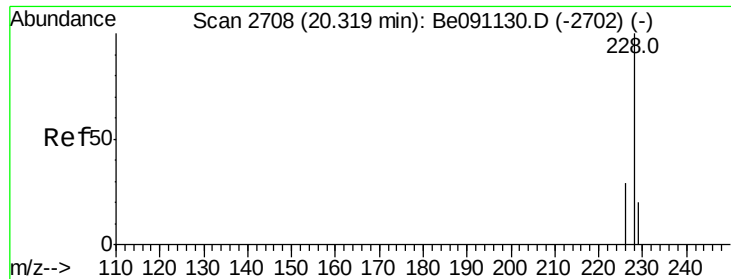
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#20
Benzo(a)anthracene
Concen: 1.58 ng/ul
RT: 20.26 min Scan# 2694
Delta R.T. 0.00 min
Lab File: BE091135.D
Acq: 12 Nov 2015 9:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.0	34.4
229	22.8	15.2	22.8





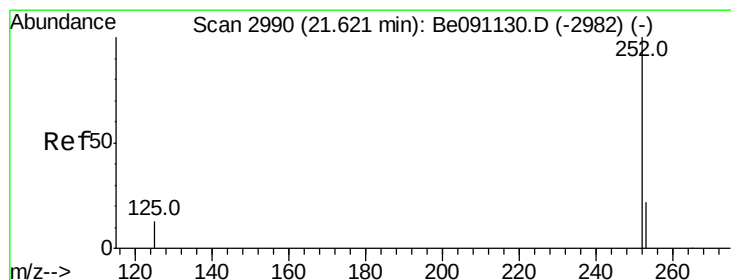
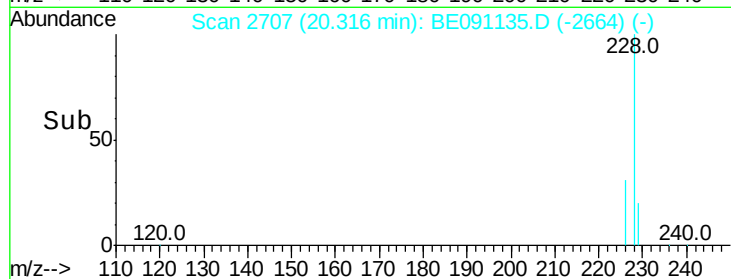
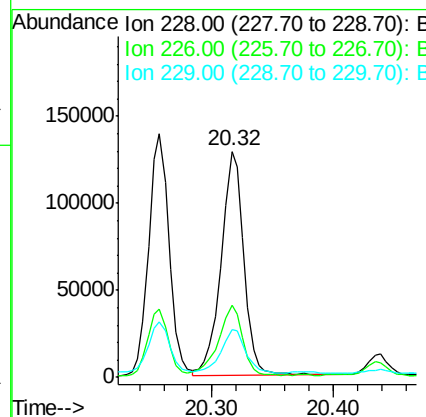
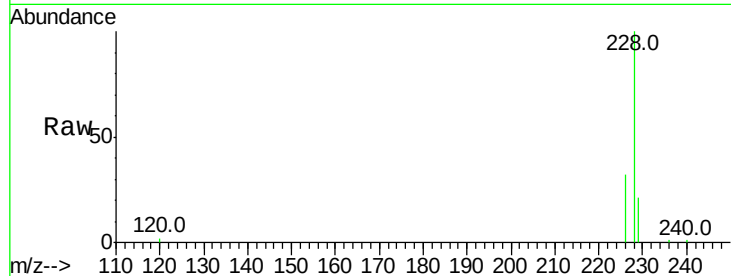
#21
Chrysene
Concen: 1.43 ng/ul
RT: 20.32 min Scan# 2707
Delta R.T. -0.00 min
Lab File: BE091135.D
Acq: 12 Nov 2015 9:03

Instrument :
BNA_E
ClientSampleId :
A4HR9

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.7	38.5
229	21.4	15.2	22.8

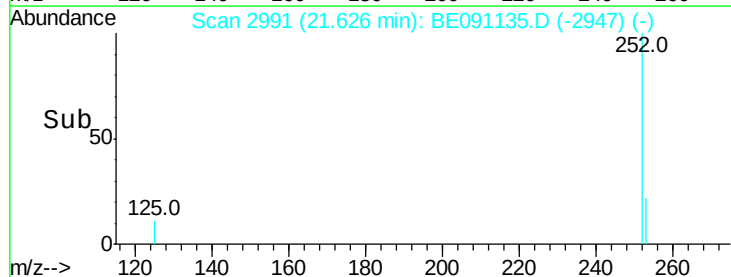
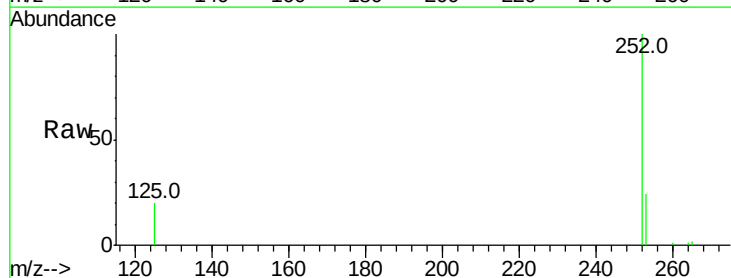
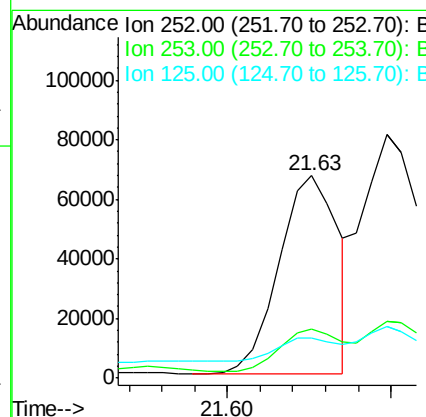
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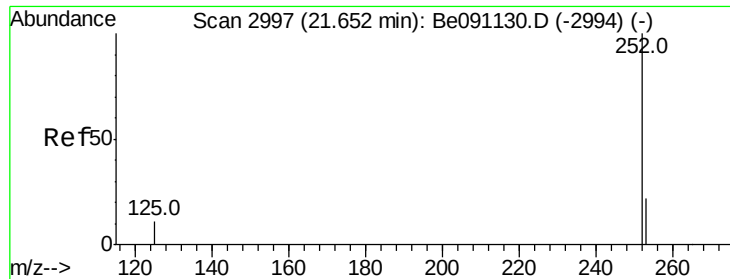
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#23
Benzo(b)fluoranthene
Concen: 0.76 ng/ul
RT: 21.63 min Scan# 2991
Delta R.T. 0.00 min
Lab File: BE091135.D
Acq: 12 Nov 2015 9:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	0.0	48.0
125	19.8	0.0	36.6





#24

Benzo(k)fluoranthene

Concen: 0.96 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

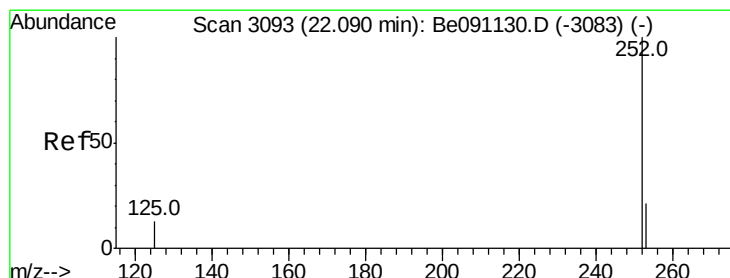
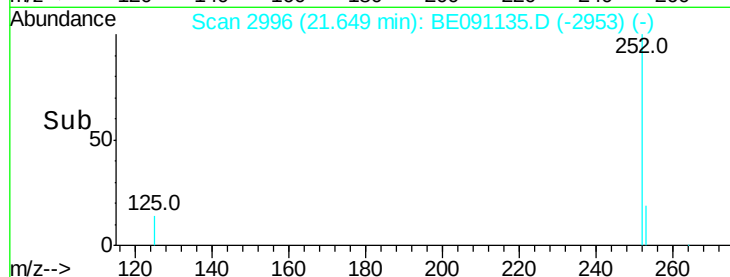
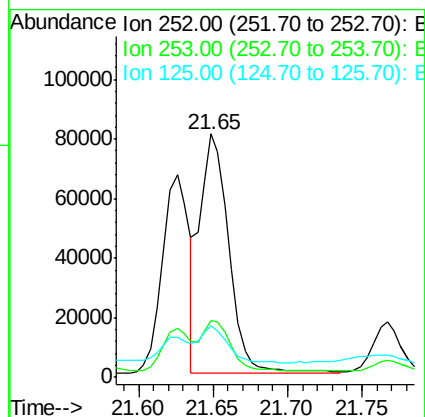
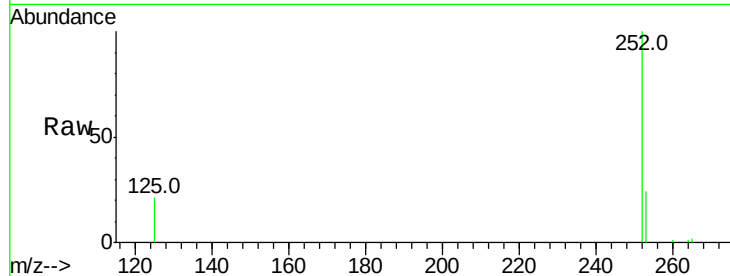
ClientSampleId :

A4HR9

Tot Ion	Ratio	Resp	Lower	Upper
252	100	108292		
253	23.5	20.8	31.2	
125	21.1	12.2	18.4	

Manual Integrations
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#25

Benzo(a)pyrene

Concen: 1.30 ng/ul

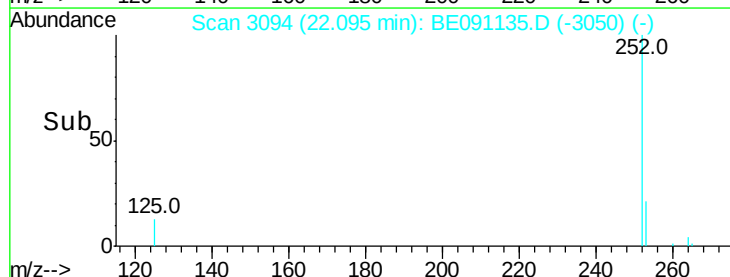
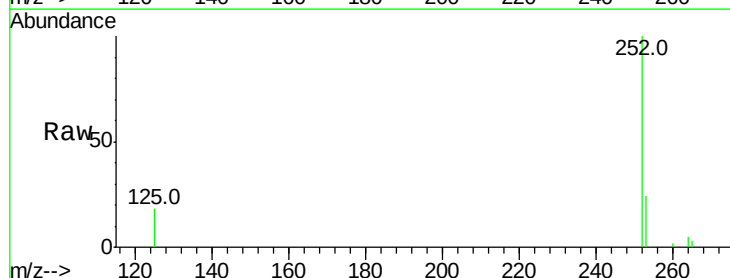
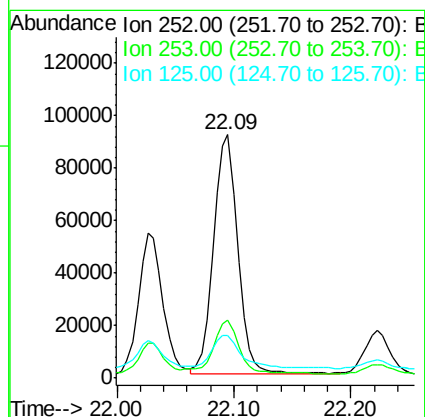
RT: 22.09 min Scan# 3094

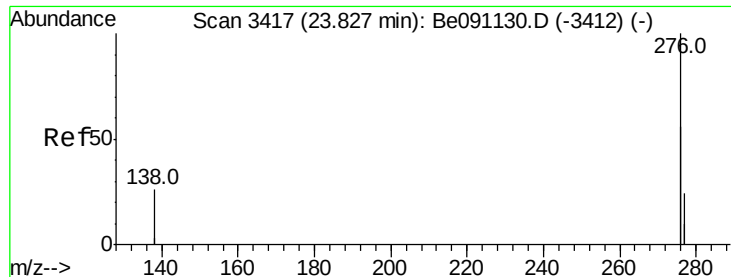
Delta R.T. 0.00 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	132202		
253	23.6	21.8	32.8	
125	17.6	14.5	21.7	





#26

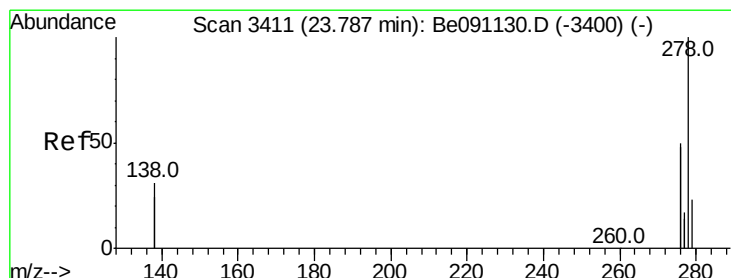
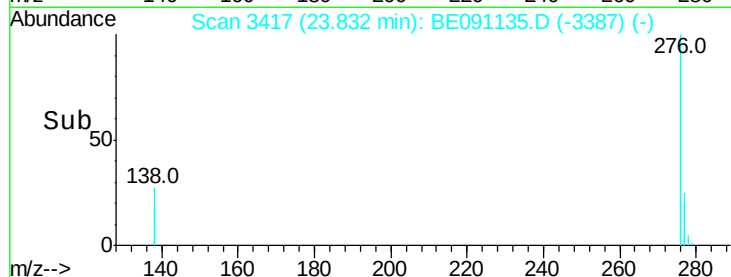
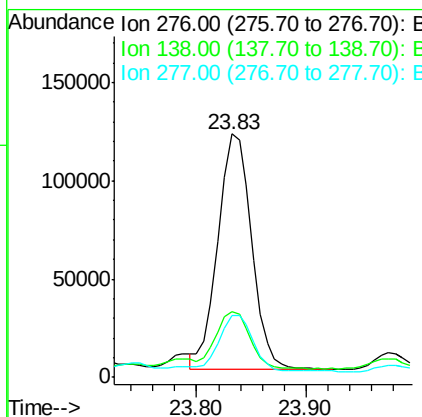
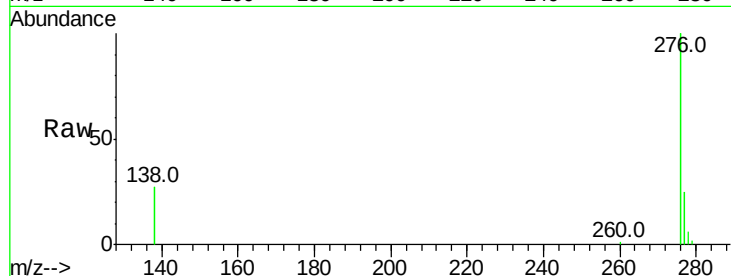
Indeno(1,2,3-cd)pyrene
Concen: 0.60 ng/ul m
RT: 23.83 min Scan# 3417
Delta R.T. -0.00 min
Lab File: BE091135.D
Acq: 12 Nov 2015 9:03

Instrument :
BNA_E
ClientSampleId :
A4HR9

Tot Ion	Ratio	Resp	Lower	Upper
276	100	258339		
138	24.0		27.5	41.3#
277	23.7		19.3	28.9

Manual Integrations
APPROVED

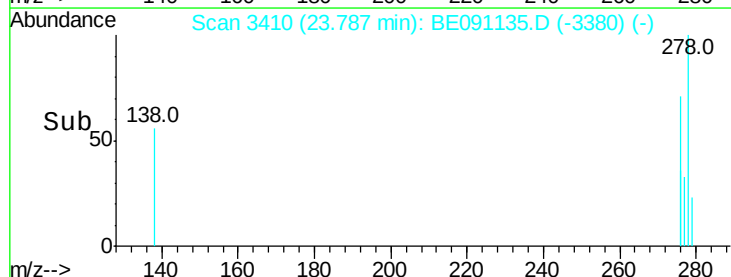
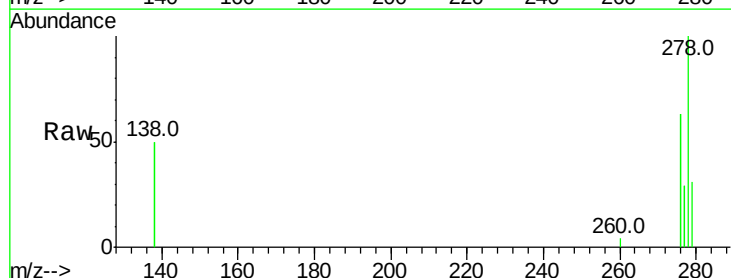
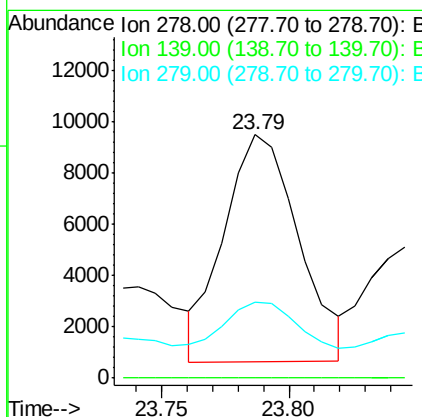
Mmdadoda
11/16/2015 12:42:23 PM

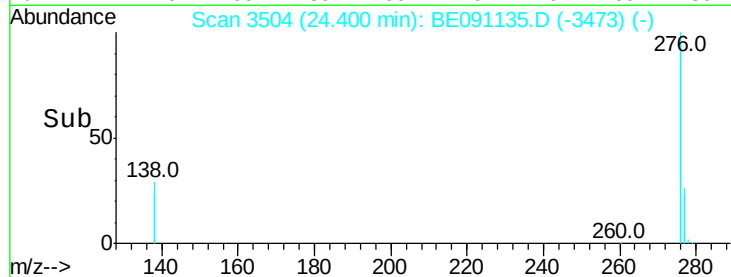
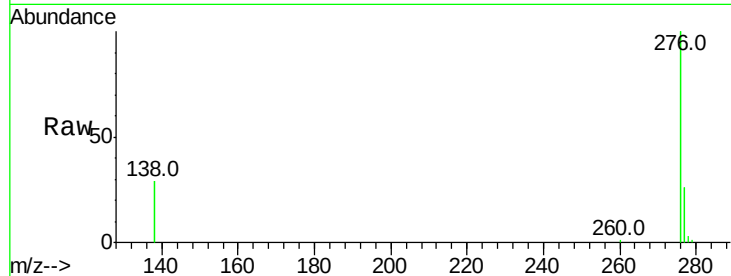
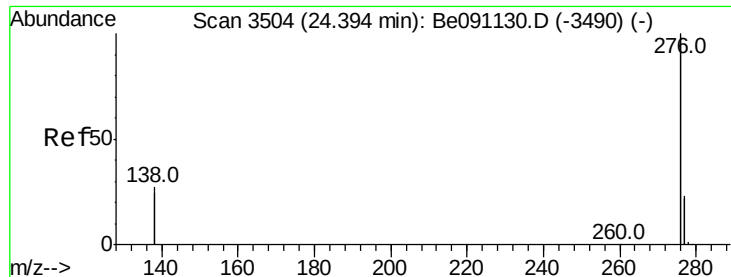


#27

Dibenzo(a,h)anthracene
Concen: 0.18 ng/ul
RT: 23.79 min Scan# 3410
Delta R.T. -0.00 min
Lab File: BE091135.D
Acq: 12 Nov 2015 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	18083		
139	0.0		21.7	32.5#
279	31.4		21.9	32.9





#28

Benzo(a,h,i)perylene

Concen: 0.61 ng/ul

RT: 24.40 min Scan# 3504

Delta R.T. 0.01 min

Lab File: BE091135.D

Acq: 12 Nov 2015 9:03

Instrument :

BNA_E

ClientSampleId :

A4HR9

Tot Ion:	276	Resp:	275406
Ion Ratio	Lower	Upper	
276	100		
277	26.1	21.3	31.9
138	29.4	25.5	38.3

Manual Integrations
APPROVED

Mmdadoda
11/16/2015 12:42:23 PM

