

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111115\
 Data File : BE091137.D
 Acq On : 12 Nov 2015 10:15
 Operator : UM/NP
 Sample : G4322-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS1

Manual Integrations
 APPROVED

Mmdadoda
 11/16/2015 12:42:25 PM

Quant Time: Nov 13 18:08:34 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	3279	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	18593	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11053	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.13	188	27194m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.28	240	37209	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	33929m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.92	96	11810	5.01	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	3680	0.15	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	7738	0.10	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	9.62	128	2932	0.06	ng/ul#	93
9) Acenaphthylene	13.14	152	3394	0.06	ng/ul	95
10) Acenaphthene	13.46	153	2260	0.06	ng/ul	91
11) Fluorene	14.45	166	3406	0.07	ng/ul#	92
14) Phenanthrene	16.16	178	266263m	0.85	ng/ul	
15) Anthracene	16.25	178	72042	0.25	ng/ul	96
17) Fluoranthene	18.15	202	402661	1.10	ng/ul	90
19) Pyrene	18.53	202	397322	0.94	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	49726m	0.52	ng/ul	
21) Chrysene	20.32	228	45350	0.41	ng/ul	97
23) Benzo(b)fluoranthene	21.62	252	34827	0.33	ng/ul	96
24) Benzo(k)fluoranthene	21.65	252	36045	0.33	ng/ul	96
25) Benzo(a)pyrene	22.09	252	44906	0.46	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.83	276	95096m	0.23	ng/ul	
27) Dibenzo(a,h)anthracene	23.78	278	6299	0.06	ng/ul#	68
28) Benzo(a,h,i)perylene	24.39	276	100420	0.23	ng/ul	98

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

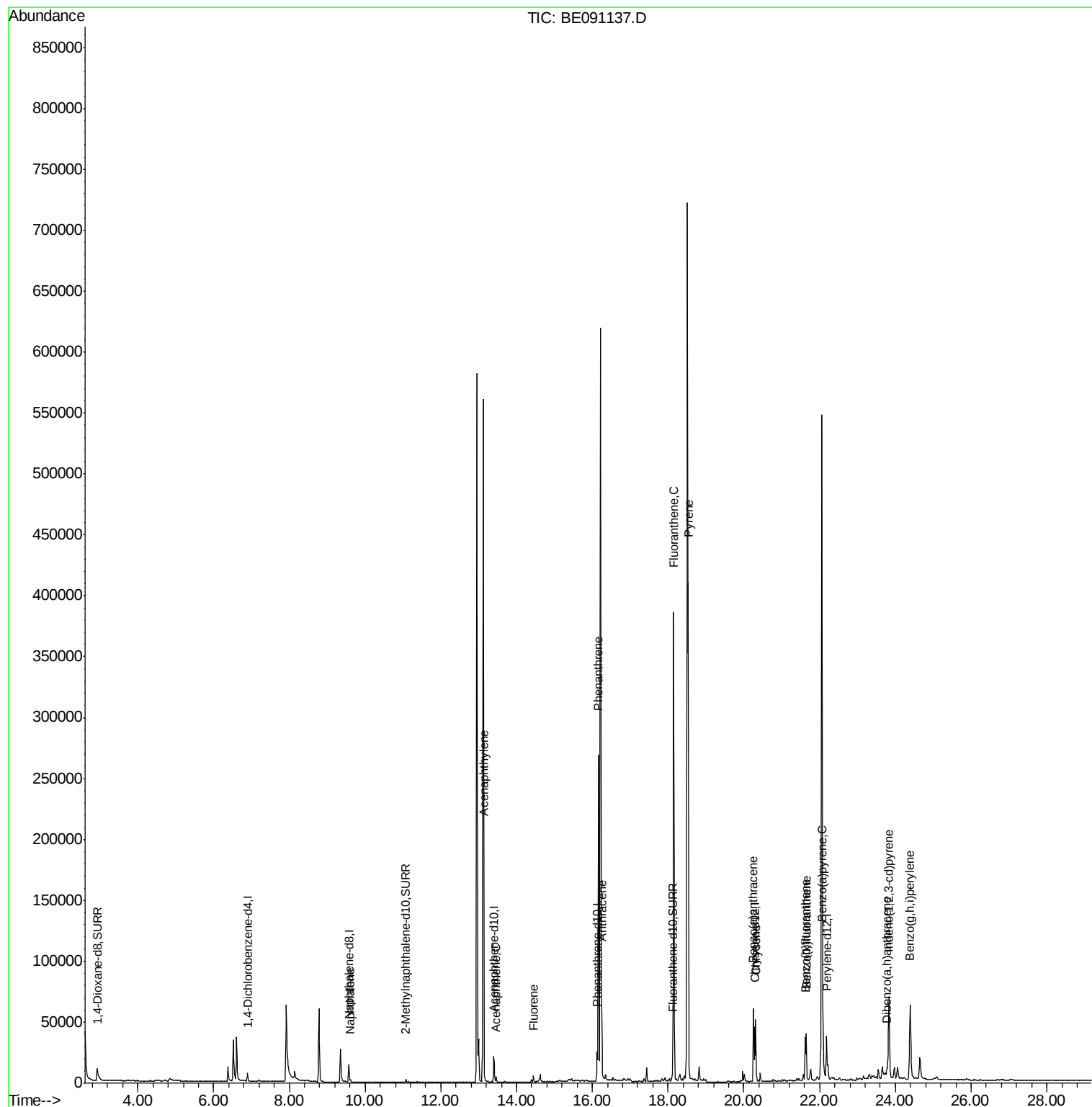
Data Path : Z:\HPCHEM1\BNA E\DATA\BE111115\
Data File : BE091137.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

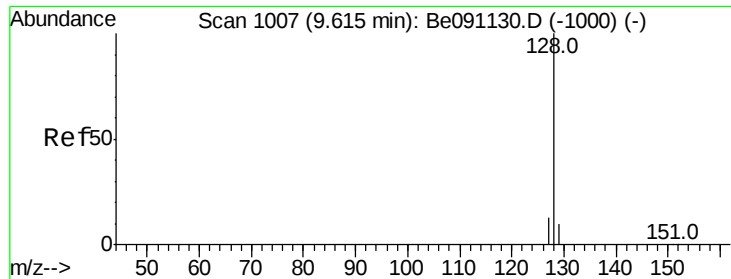
Instrument :
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A4HS1

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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 13 13:56:00 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.06 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Instrument :

BNA_E

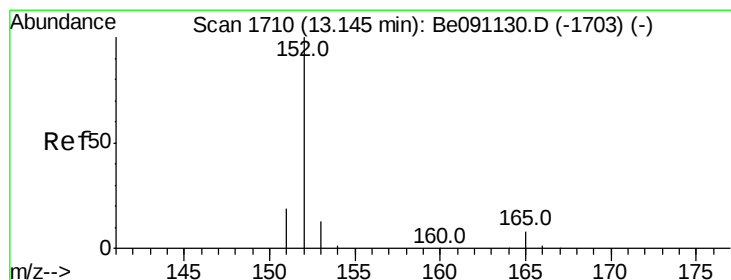
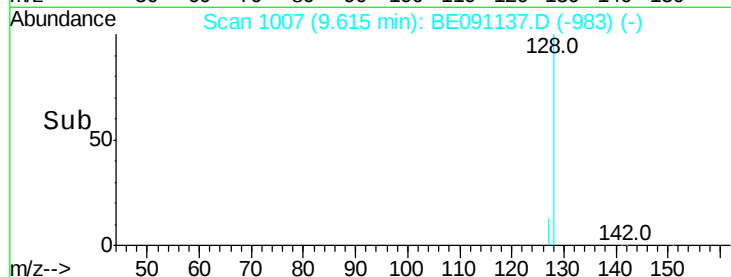
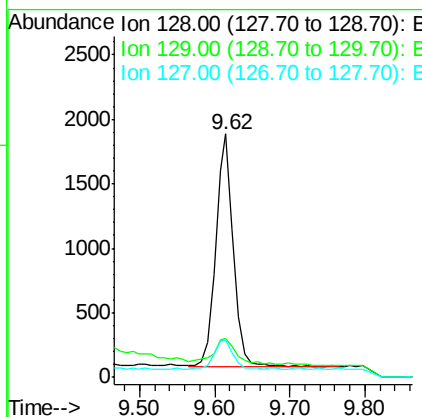
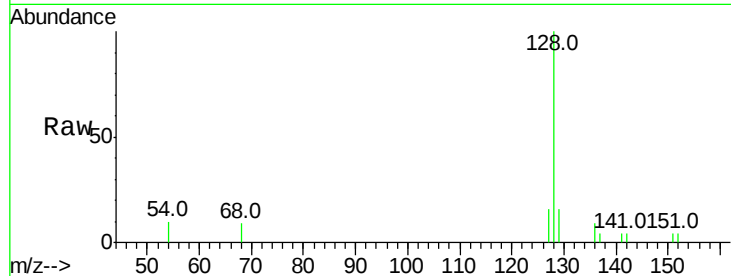
ClientSampleId :

A4HS1

Tot Ion	Ratio	Lower	Upper
128	100		
129	15.9	9.8	14.8#
127	15.5	10.7	16.1

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#9

Acenaphthylene

Concen: 0.06 ng/ul

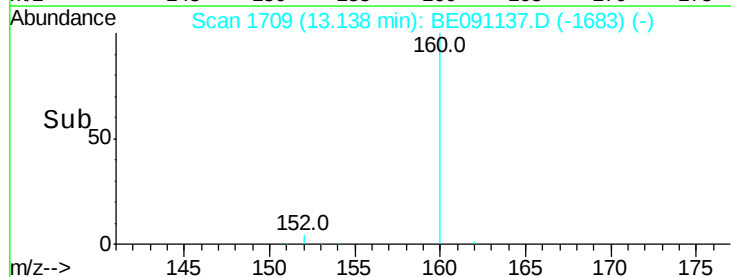
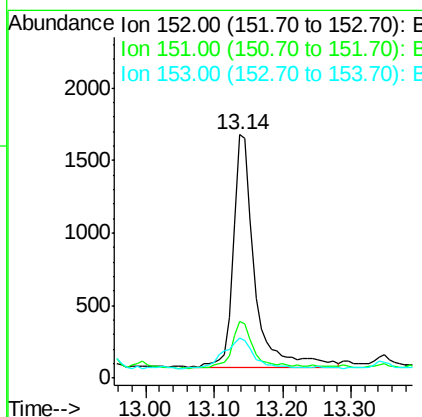
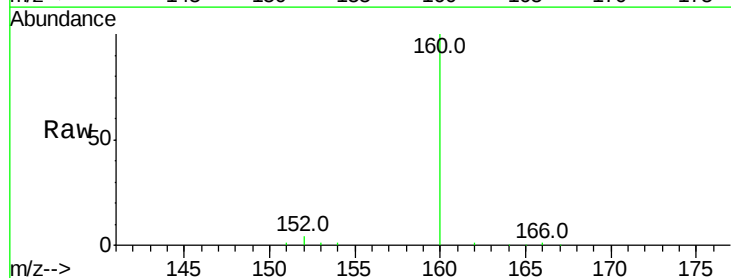
RT: 13.14 min Scan# 1709

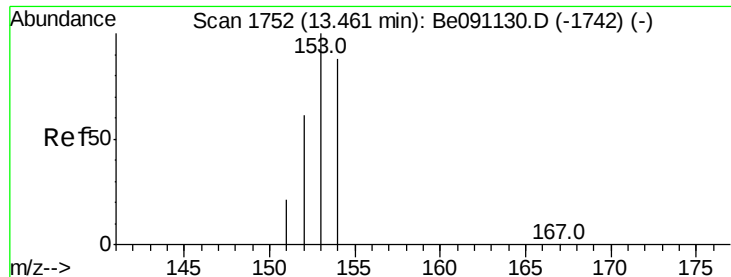
Delta R.T. -0.01 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.2	16.8	25.2
153	16.6	11.3	16.9





#10

Acenaphthene

Concen: 0.06 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Instrument :

BNA_E

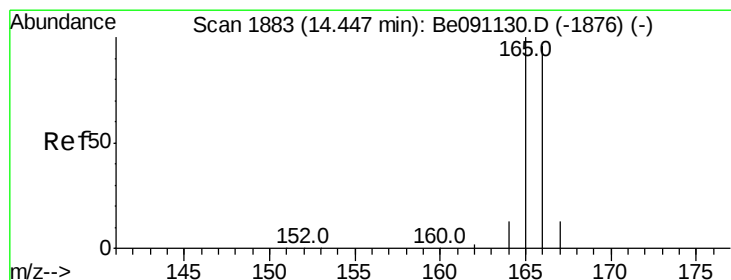
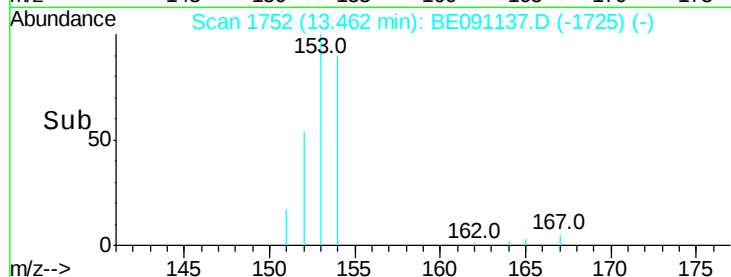
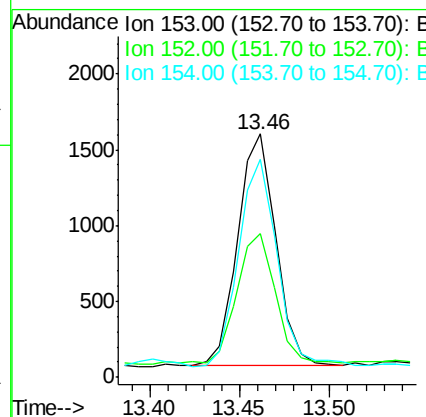
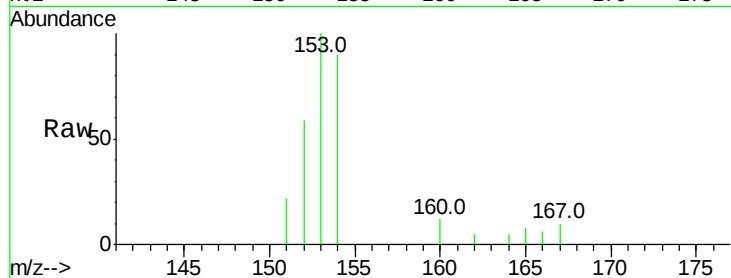
ClientSampleId :

A4HS1

Tot Ion:	153	Resp:	2260
Ion Ratio	Lower	Upper	
153	100		
152	58.8	42.3	63.5
154	89.8	64.7	97.1

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#11

Fluorene

Concen: 0.07 ng/ul

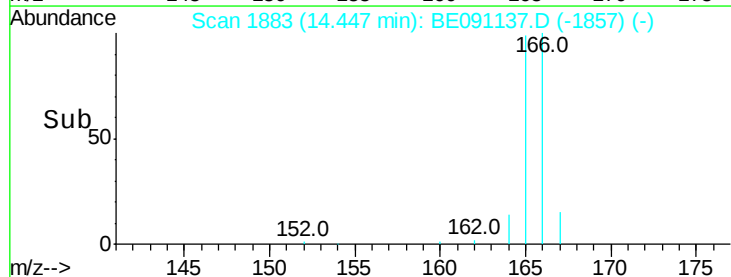
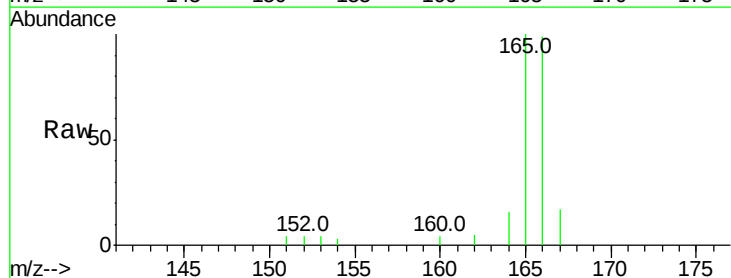
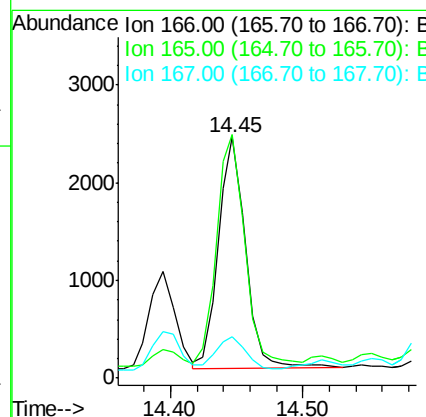
RT: 14.45 min Scan# 1883

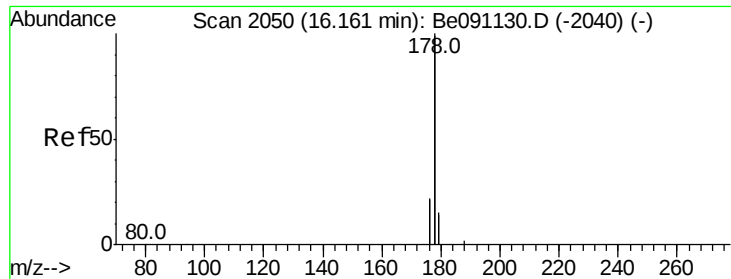
Delta R.T. -0.01 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Tgt Ion:	166	Resp:	3406
Ion Ratio	Lower	Upper	
166	100		
165	101.1	87.6	131.4
167	17.3	11.1	16.7#





#14

Phenanthrene

Concen: 0.85 ng/ul m

RT: 16.16 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Instrument :

BNA_E

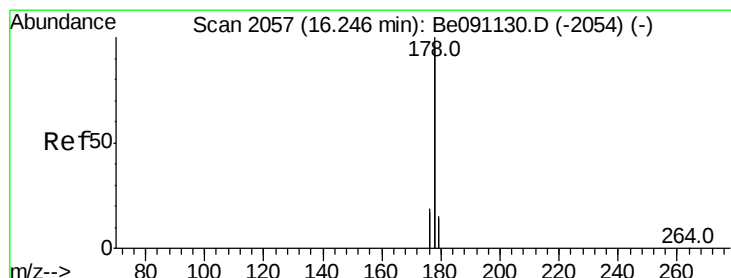
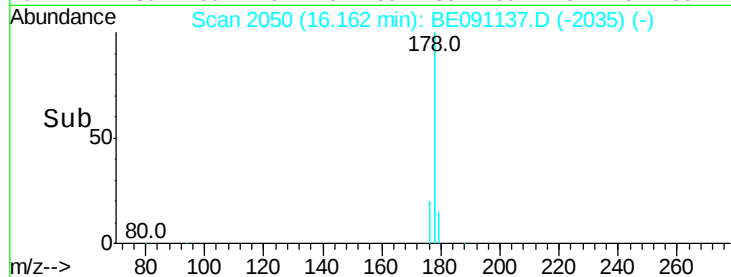
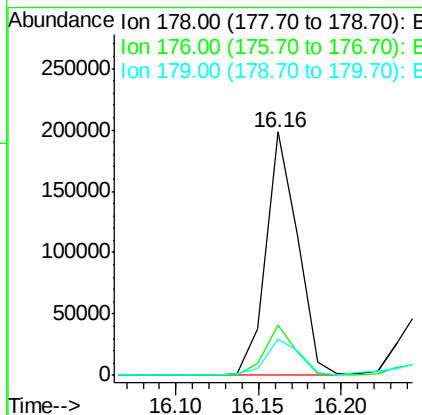
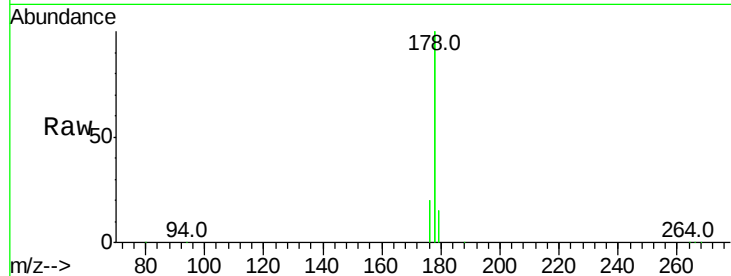
ClientSampleId :

A4HS1

Tot Ion:	178	Resp:	266263
Ion Ratio	Lower	Upper	
178	100		
176	20.5	16.2	24.4
179	15.0	12.8	19.2

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#15

Anthracene

Concen: 0.25 ng/ul

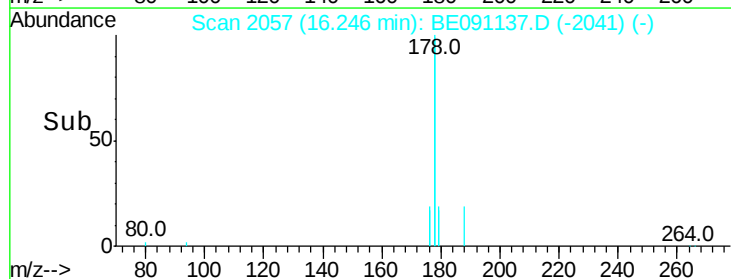
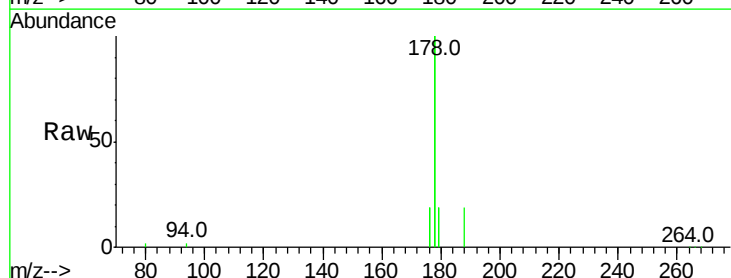
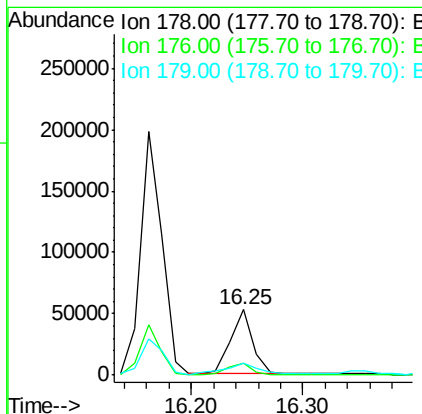
RT: 16.25 min Scan# 2057

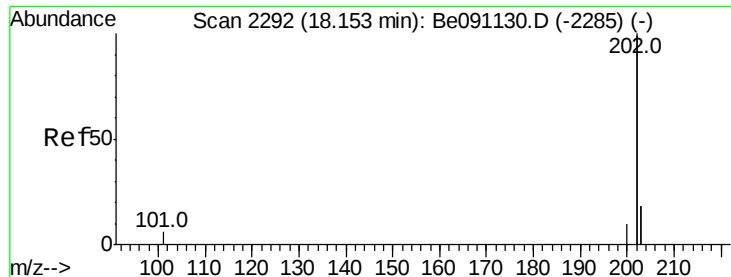
Delta R.T. -0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Tgt Ion:	178	Resp:	72042
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.8
179	18.7	13.3	19.9





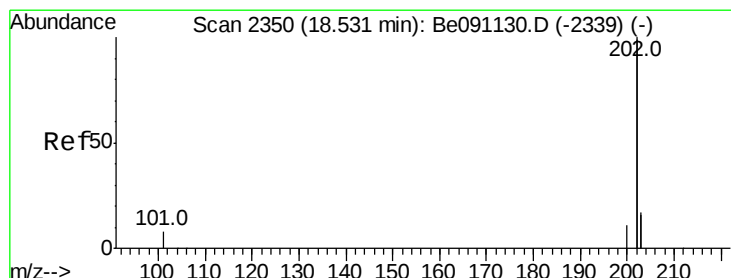
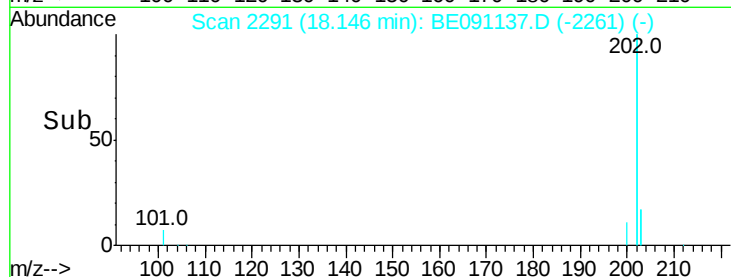
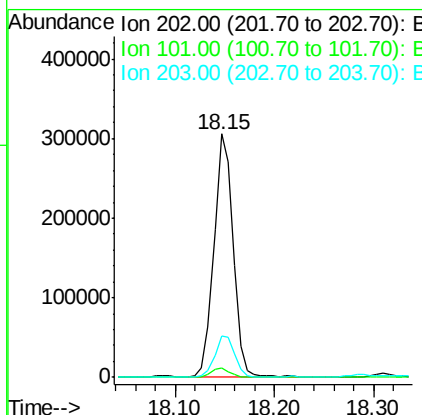
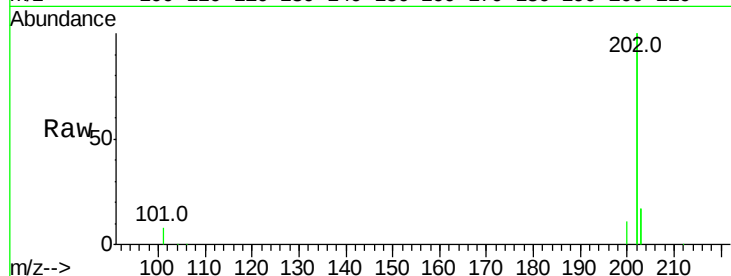
#17
Fluoranthene
 Concen: 1.10 ng/ul
 RT: 18.15 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BE091137.D
 Acq: 12 Nov 2015 10:15

Instrument :
 BNA_E
 ClientSampleId :
 A4HS1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	402661		
101	3.8	0.0	33.1	
203	17.0	0.0	37.2	

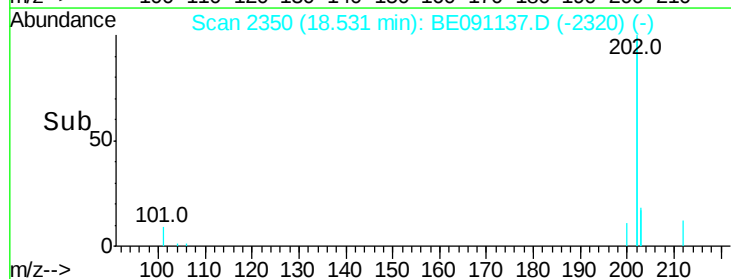
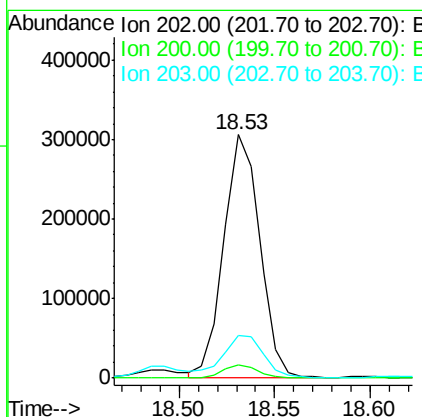
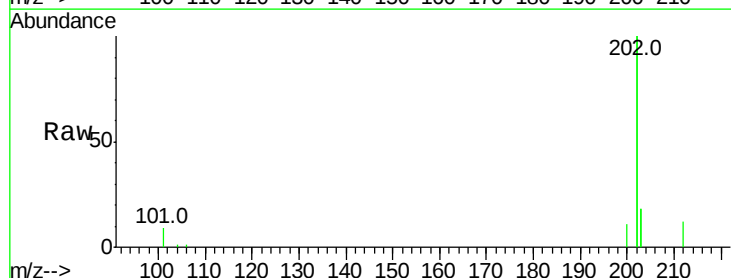
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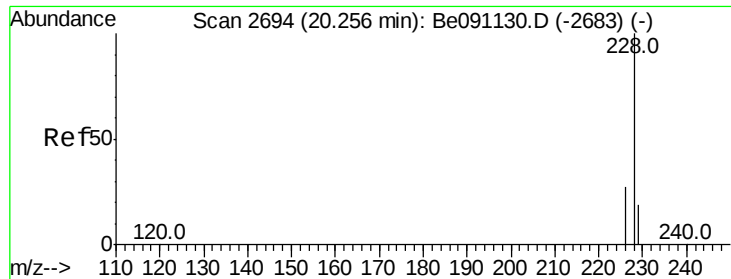
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#19
Pyrene
 Concen: 0.94 ng/ul
 RT: 18.53 min Scan# 2350
 Delta R.T. -0.01 min
 Lab File: BE091137.D
 Acq: 12 Nov 2015 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	397322		
200	5.4	18.0	27.0#	
203	17.7	13.8	20.6	





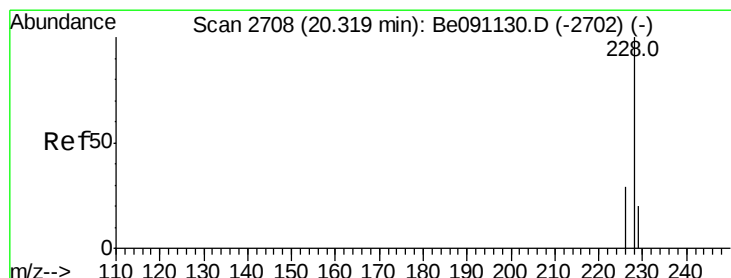
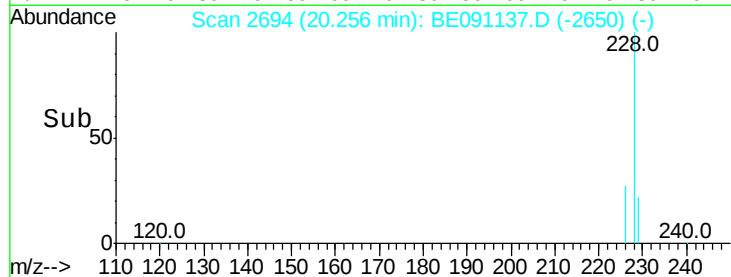
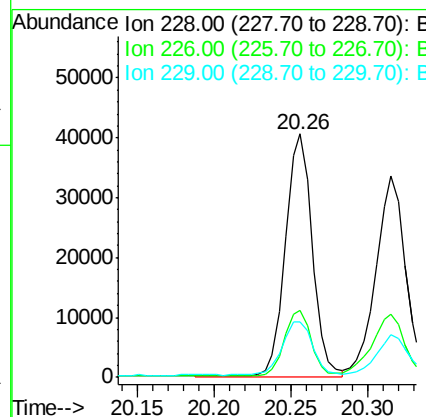
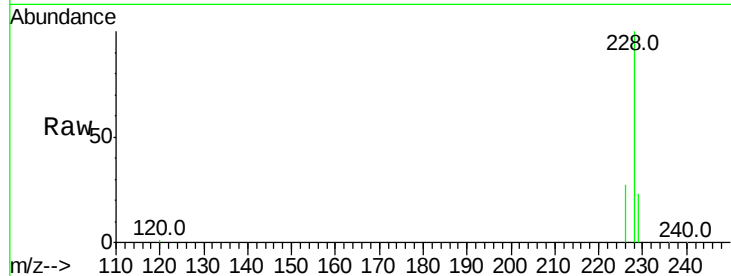
#20
Benzo(a)anthracene
Concen: 0.52 ng/ul m
RT: 20.26 min Scan# 2694
Delta R.T. -0.00 min
Lab File: BE091137.D
Acq: 12 Nov 2015 10:15

Instrument :
BNA_E
ClientSampleId :
A4HS1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.0	34.4
229	22.9	15.2	22.8

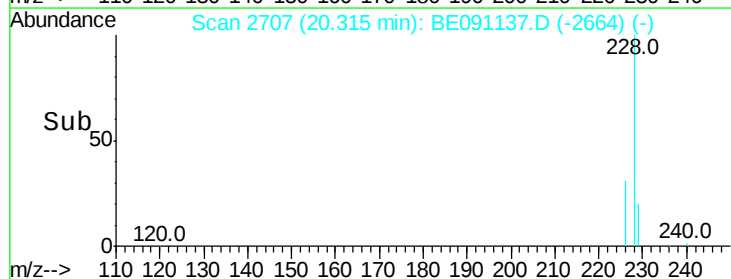
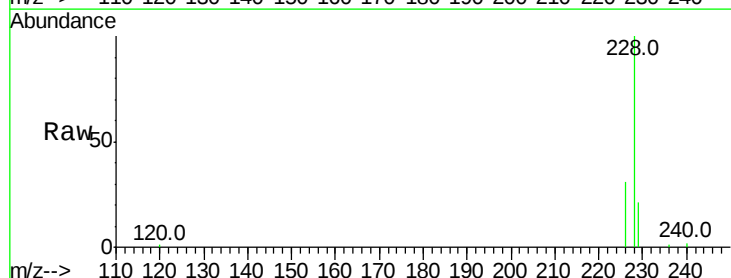
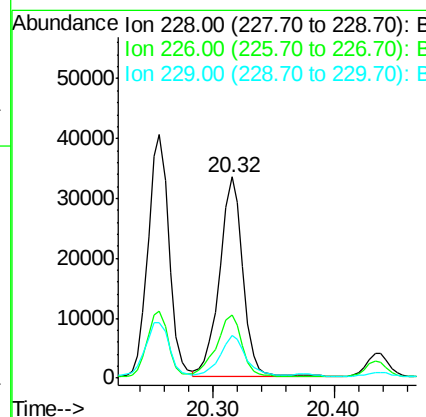
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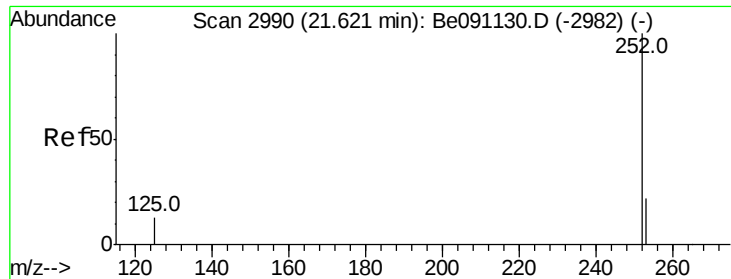
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#21
Chrysene
Concen: 0.41 ng/ul
RT: 20.32 min Scan# 2707
Delta R.T. -0.00 min
Lab File: BE091137.D
Acq: 12 Nov 2015 10:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.7	38.5
229	21.1	15.2	22.8





#23

Benzo(b)fluoranthene

Concen: 0.33 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Instrument :

BNA_E

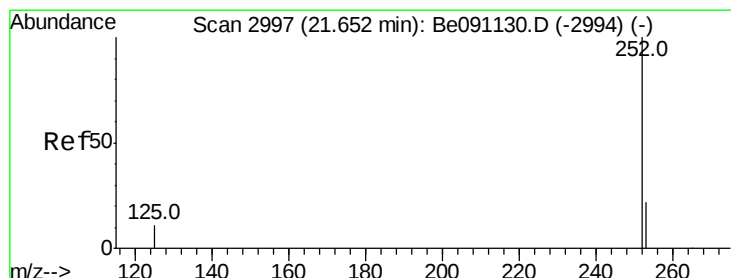
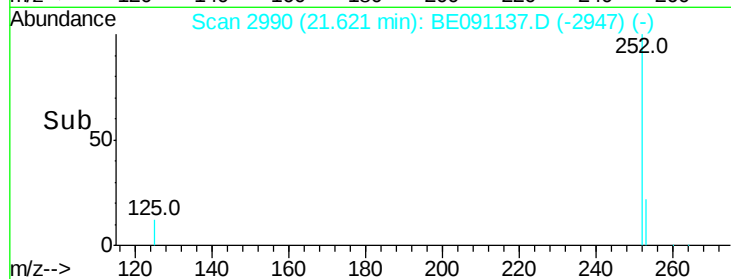
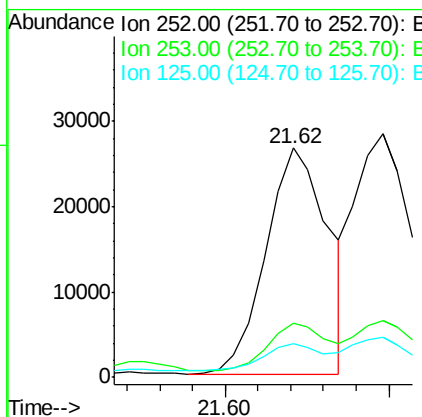
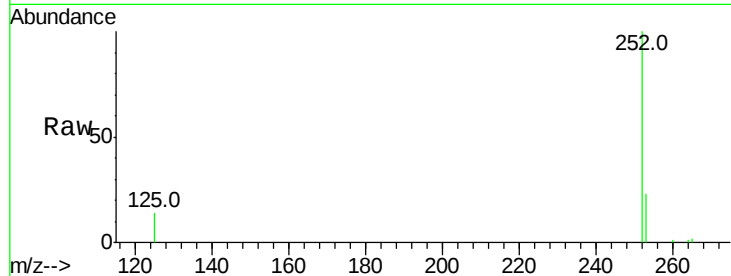
ClientSampleId :

A4HS1

Tot Ion:	252	Resp:	34827
Ion Ratio	Lower	Upper	
252	100		
253	23.5	0.0	48.0
125	14.5	0.0	36.6

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#24

Benzo(k)fluoranthene

Concen: 0.33 ng/ul

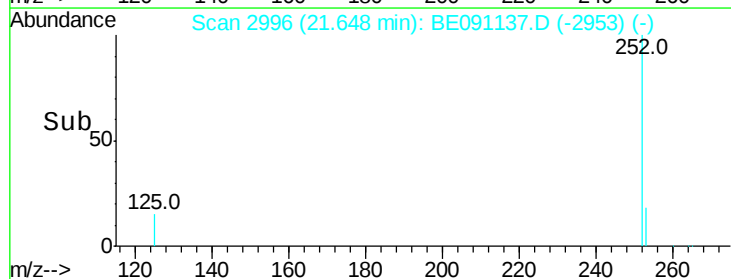
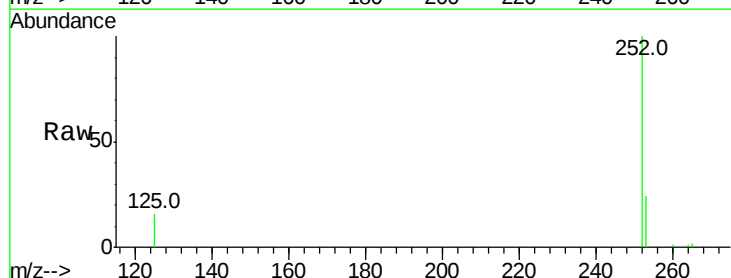
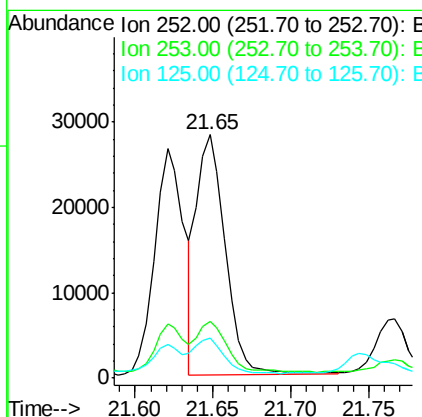
RT: 21.65 min Scan# 2996

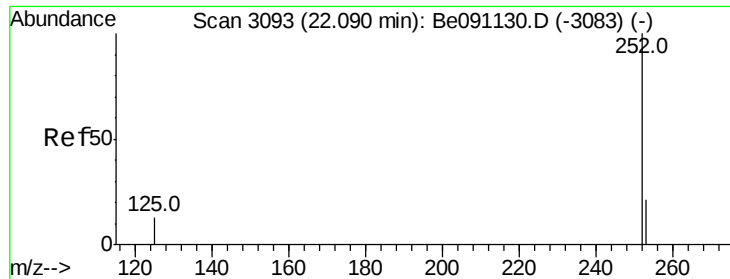
Delta R.T. -0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Tgt Ion:	252	Resp:	36045
Ion Ratio	Lower	Upper	
252	100		
253	23.6	20.8	31.2
125	16.4	12.2	18.4





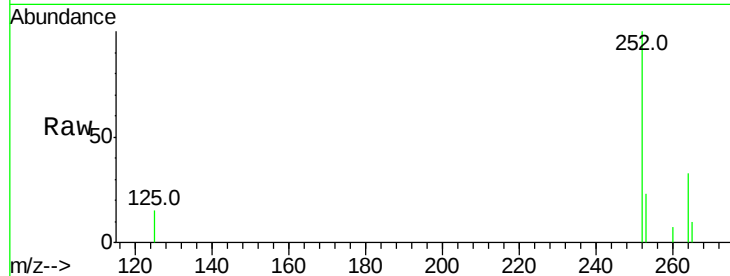
#25
Benzo(a)pyrene
Concen: 0.46 ng/ul
RT: 22.09 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BE091137.D
Acq: 12 Nov 2015 10:15

Instrument :
BNA_E
ClientSampleId :
A4HS1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	21.8	32.8
125	15.4	14.5	21.7

Manual Integrations
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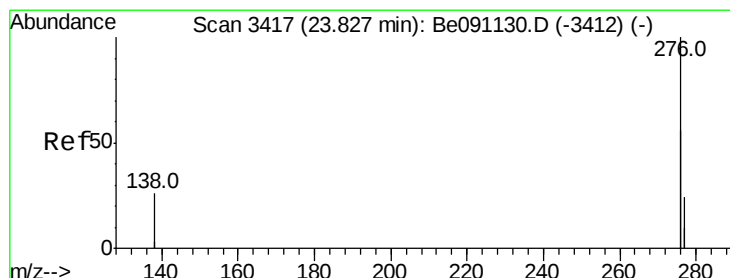
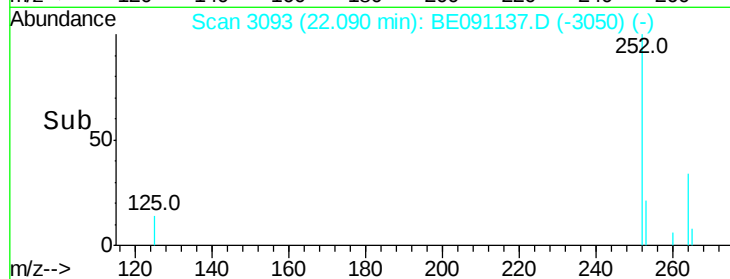
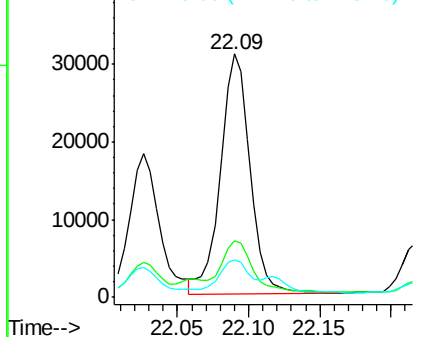


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26
Indeno(1,2,3-cd)pyrene
Concen: 0.23 ng/ul m
RT: 23.83 min Scan# 3417
Delta R.T. -0.01 min
Lab File: BE091137.D
Acq: 12 Nov 2015 10:15

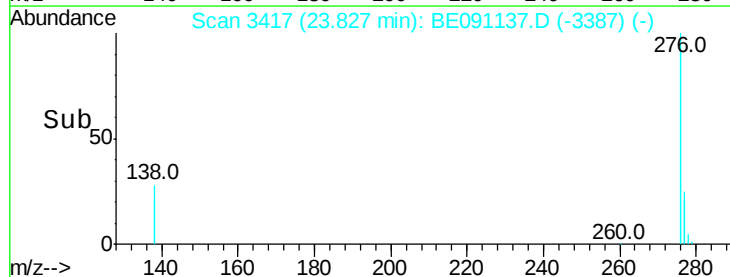
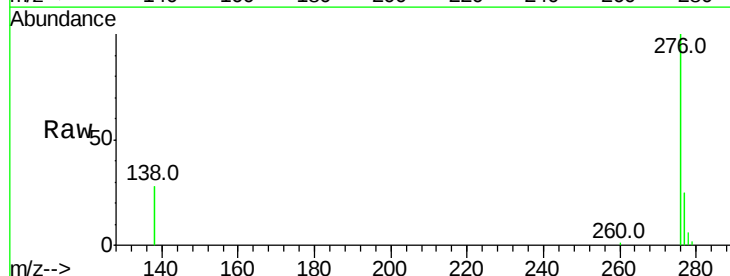
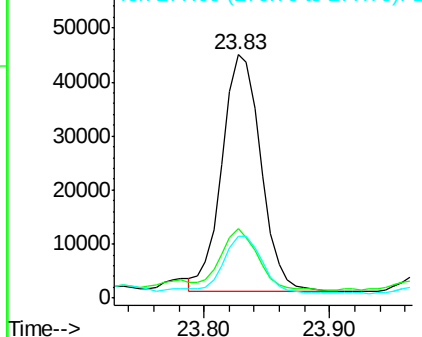
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	27.5	41.3#
277	25.7	19.3	28.9

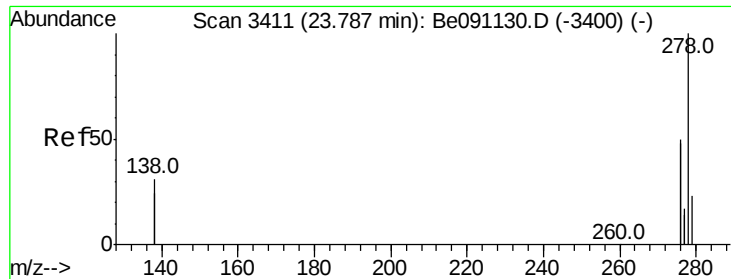
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





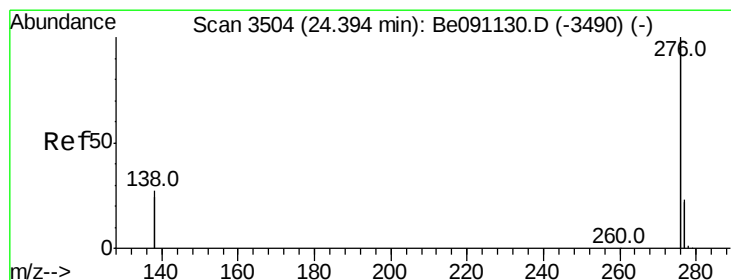
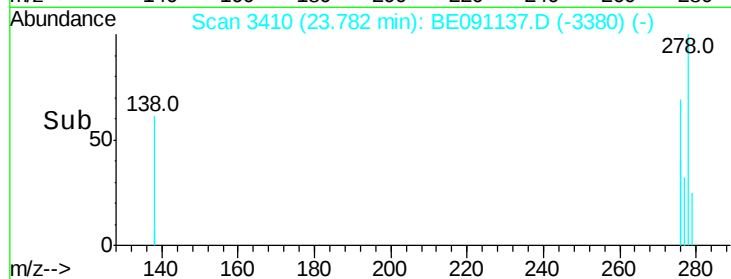
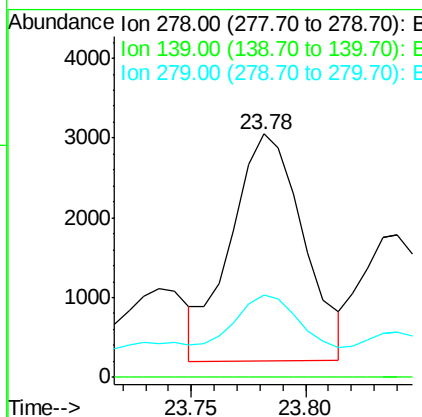
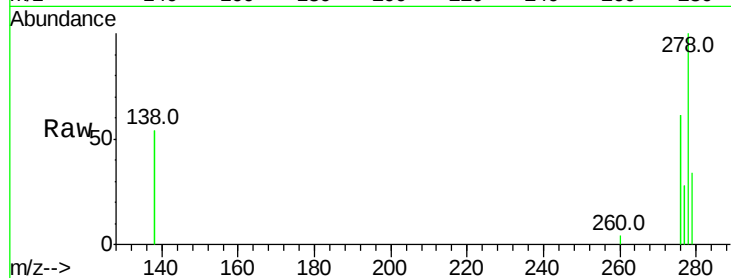
#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 23.78 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BE091137.D
Acq: 12 Nov 2015 10:15

Instrument :
BNA_E
ClientSampleId :
A4HS1

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	33.7	21.9	32.9#

Manual Integrations
APPROVED

Mmdadoda
11/16/2015 12:42:25 PM



#28
Benzo(g,h,i)perylene
Concen: 0.23 ng/ul
RT: 24.39 min Scan# 3504
Delta R.T. 0.00 min
Lab File: BE091137.D
Acq: 12 Nov 2015 10:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	21.3	31.9
138	30.0	25.5	38.3

