

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112315\
 Data File : BE091307.D
 Acq On : 23 Nov 2015 19:37
 Operator : UM/NP
 Sample : G4322-22RXDL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HT1RXDL

Manual Integrations
 APPROVED

Mmdadoda
 11/24/2015 1:06:48 PM

Quant Time: Nov 24 03:05:56 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 : Tue Nov 24 02:51:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	1991	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.57	136	9574	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4813	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	14715	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	19607	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	18276	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.00	96	1327	0.93	ng/uL	0.04
6) 2-Methylnaphthalene-d10	11.09	152	167	0.01	ng/ul	0.02
16) Fluoranthene-d10	18.07	212	482	0.01	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	9.61	128	15132	0.64	ng/ul	99
7) 2-Methylnaphthalene	11.16	142	582	0.04	ng/ul	97
10) Acenaphthene	13.43	153	726	0.04	ng/ul#	85
11) Fluorene	14.42	166	945	0.04	ng/ul#	88
14) Phenanthrene	16.13	178	114294	0.67	ng/ul	96
17) Fluoranthene	18.09	202	149876	0.75	ng/ul	88
19) Pyrene	18.47	202	224048	1.01	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	23119m	0.46	ng/ul	
21) Chrysene	20.26	228	26351	0.45	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	13255	0.23	ng/ul	96
24) Benzo(k)fluoranthene	21.58	252	15503	0.26	ng/ul#	93
25) Benzo(a)pyrene	22.01	252	19390	0.37	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.70	276	33545	0.15	ng/ul#	90
28) Benzo(g,h,i)perylene	24.25	276	38227	0.16	ng/ul	98

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

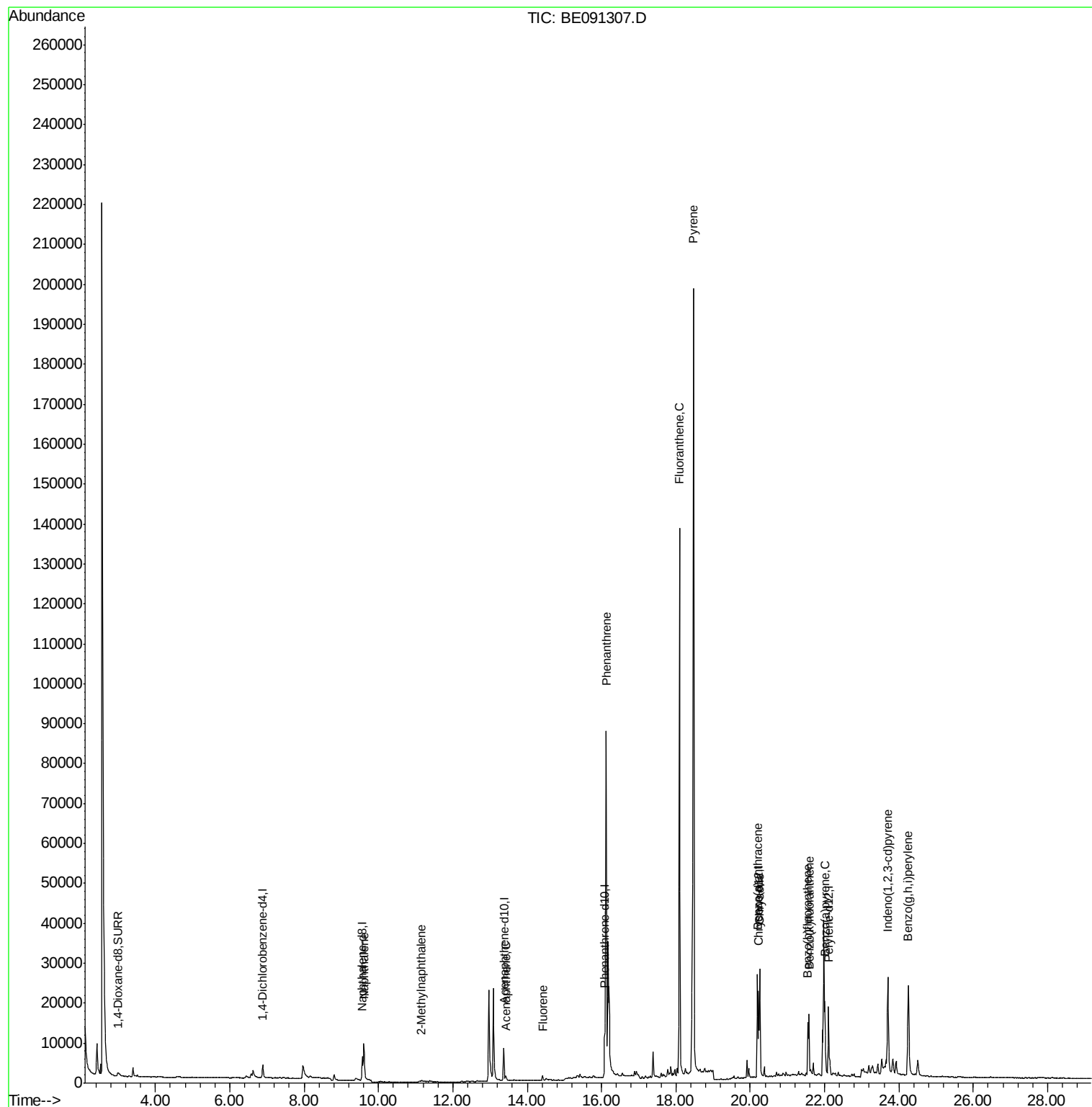
Data Path : Z:\HPCHEM1\BNA E\DATA\BE112315\
Data File : BE091307.D
Acq On : 23 Nov 2015 19:37
Operator : UM/NP
Sample : G4322-22RXDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

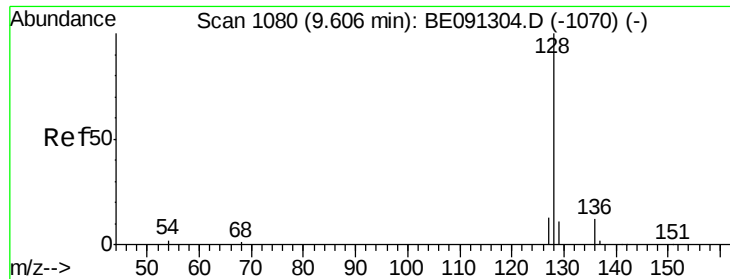
Instrument :
BNA_E
ClientSampleId :
A4HT1RXDL

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:06:48 PM

Quant Time: Nov 24 03:05:56 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 : Tue Nov 24 02:51:08 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.64 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

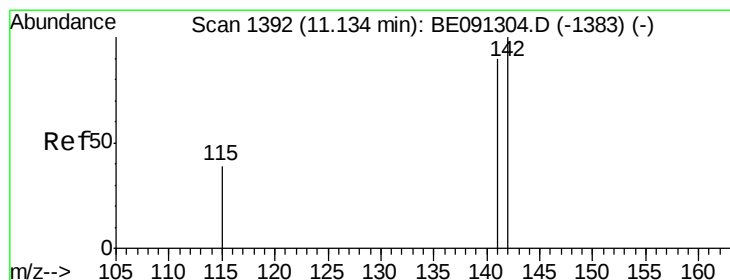
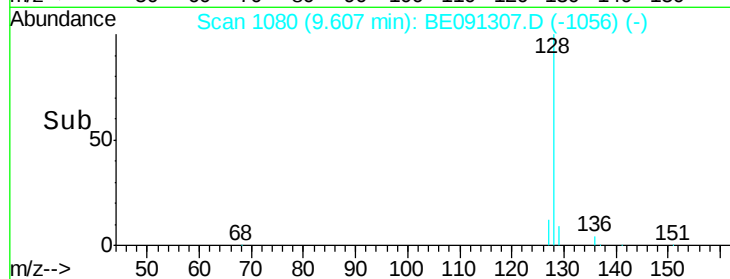
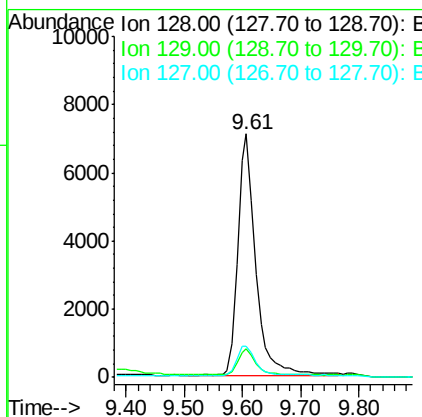
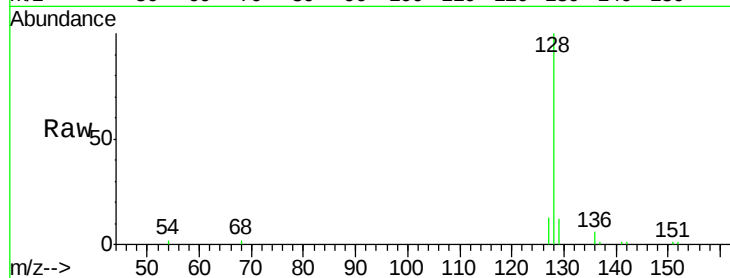
ClientSampleId :

A4HT1RXDL

Tot Ion:	128	Resp:	15132
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.8	14.8
127	13.0	10.7	16.1

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:06:48 PM



#7

2-Methylnaphthalene

Concen: 0.04 ng/ul

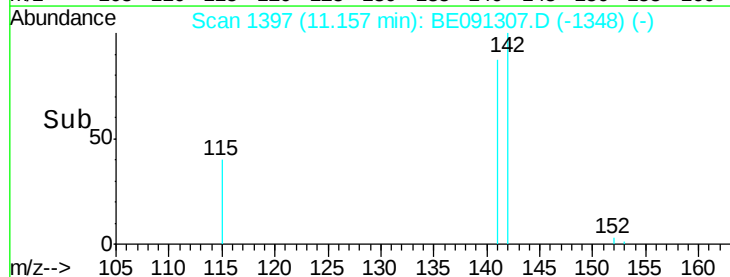
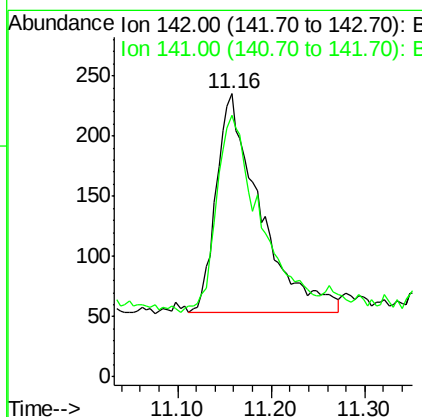
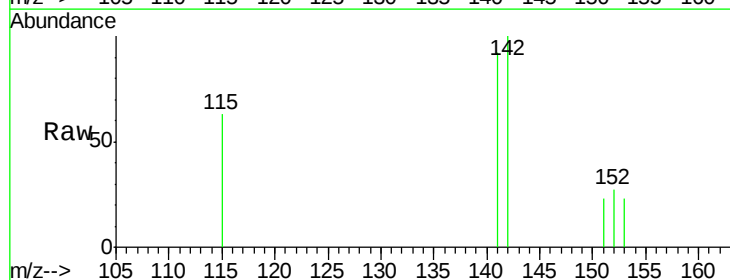
RT: 11.16 min Scan# 1397

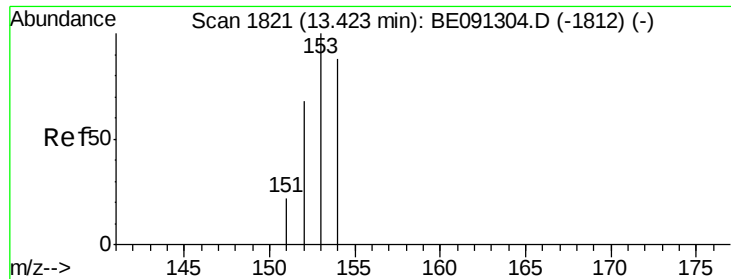
Delta R.T. 0.02 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Tgt Ion:	142	Resp:	582
Ion Ratio	Lower	Upper	
142	100		
141	91.1	70.3	105.5





#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

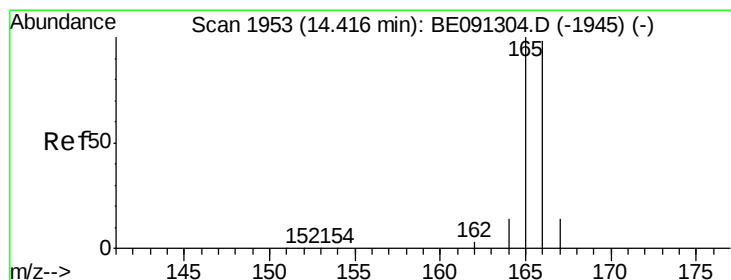
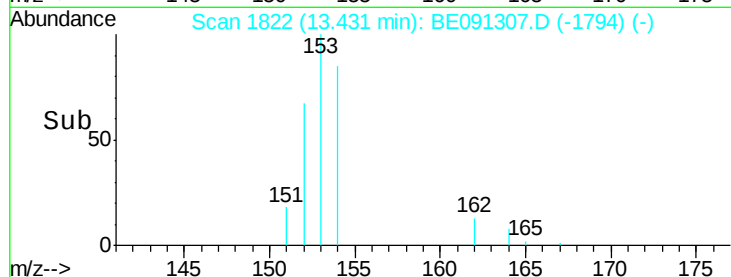
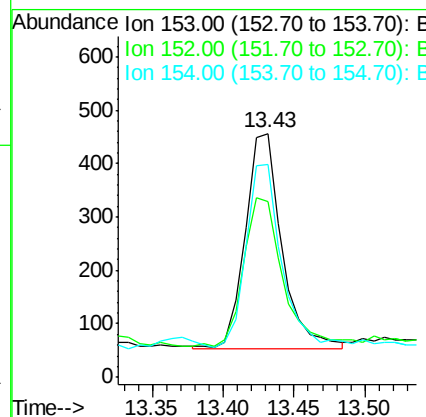
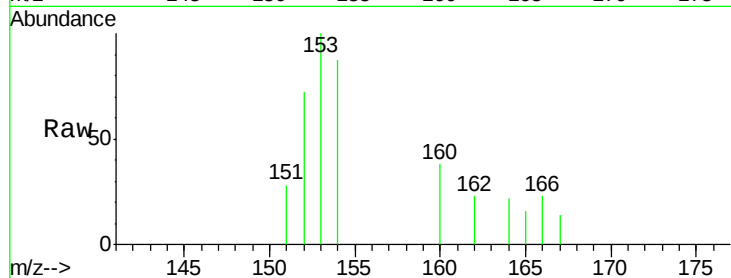
ClientSampleId :

A4HT1RXDL

Tot Ion:	153	Resp:	726
Ion Ratio	Lower	Upper	
153	100		
152	72.1	42.3	63.5#
154	87.3	64.7	97.1

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:06:48 PM



#11

Fluorene

Concen: 0.04 ng/ul

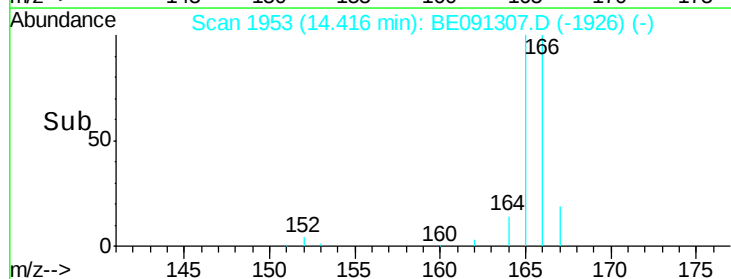
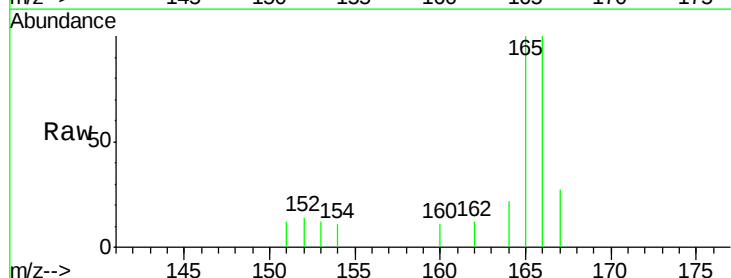
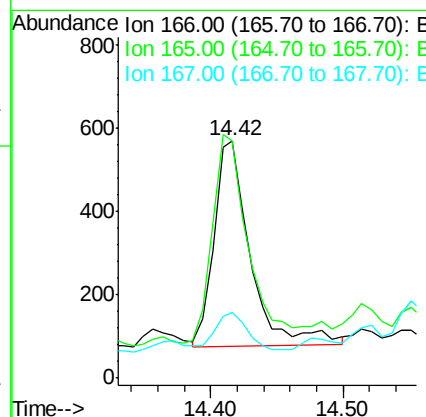
RT: 14.42 min Scan# 1953

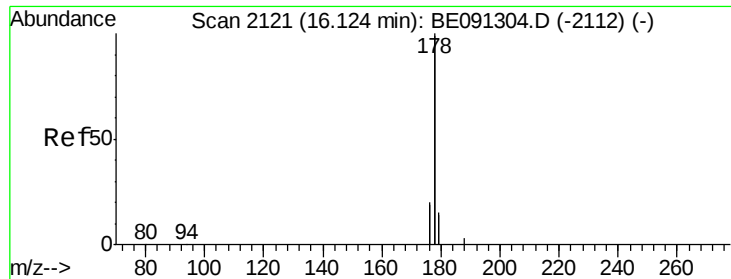
Delta R.T. 0.00 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Tgt Ion:	166	Resp:	945
Ion Ratio	Lower	Upper	
166	100		
165	100.2	87.6	131.4
167	27.5	11.1	16.7#





#14

Phenanthrene

Concen: 0.67 ng/ul

RT: 16.13 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

A4HT1RXDL

Tot Ion:178 Resp: 114294

Ion Ratio Lower Upper

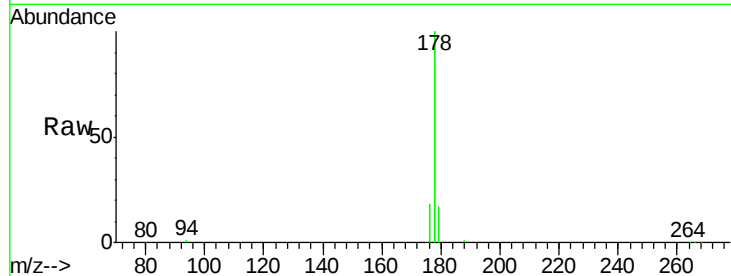
178 100

176 17.9 16.2 24.4

179 16.7 12.8 19.2

Manual Integrations
APPROVED

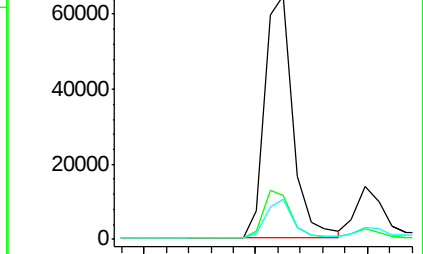
Mmdadoda
11/24/2015 1:06:48 PM



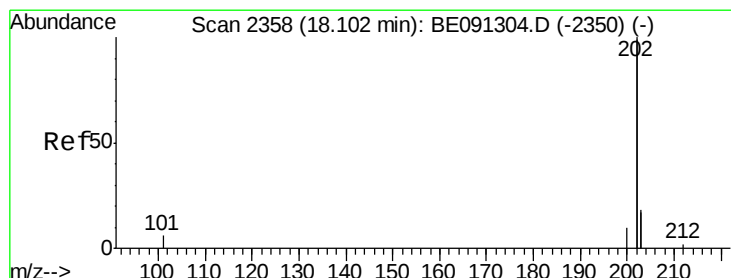
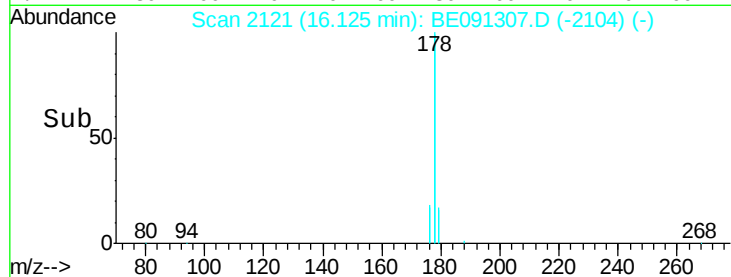
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#17

Fluoranthene

Concen: 0.75 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

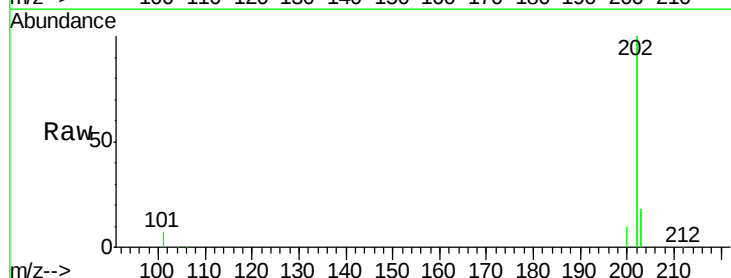
Tgt Ion:202 Resp: 149876

Ion Ratio Lower Upper

202 100

101 3.5 0.0 33.1

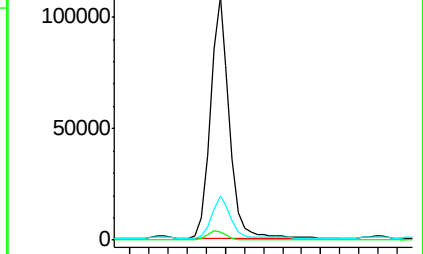
203 18.1 0.0 37.2



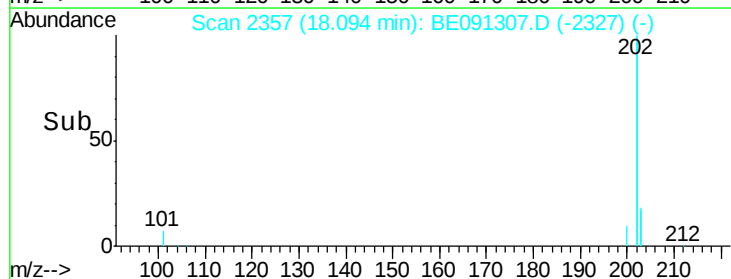
Abundance Ion 202.00 (201.70 to 202.70): E

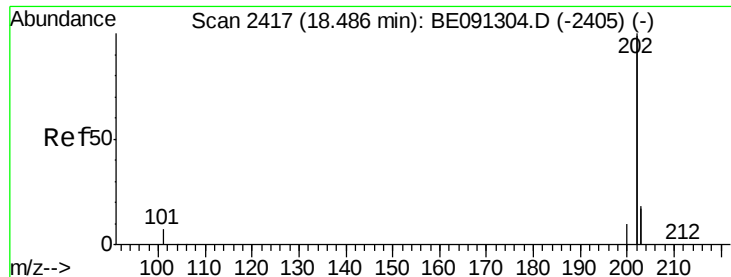
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





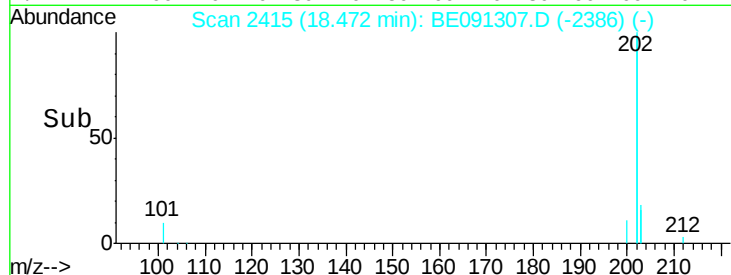
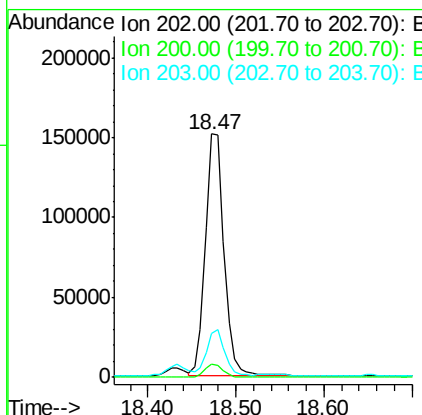
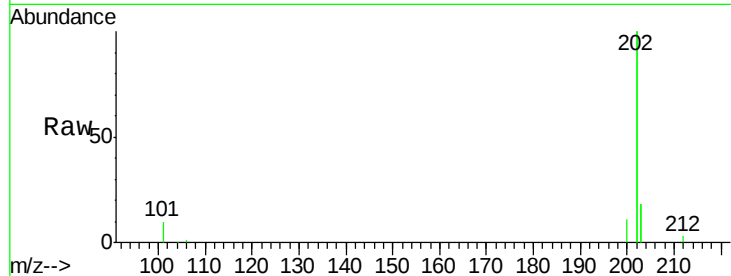
#19
Pvrene
Concen: 1.01 ng/ul
RT: 18.47 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BE091307.D
Acq: 23 Nov 2015 19:37

Instrument :
BNA_E
ClientSampleId :
A4HT1RXDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	5.6	18.0	27.0#
203	17.8	13.8	20.6

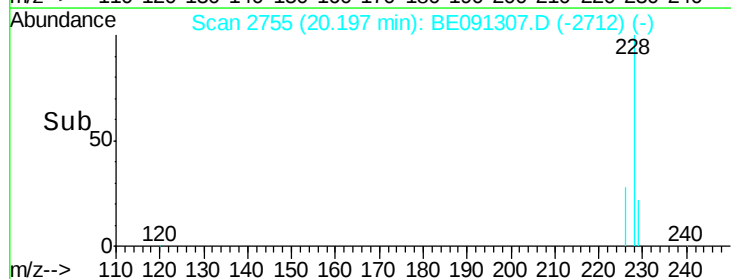
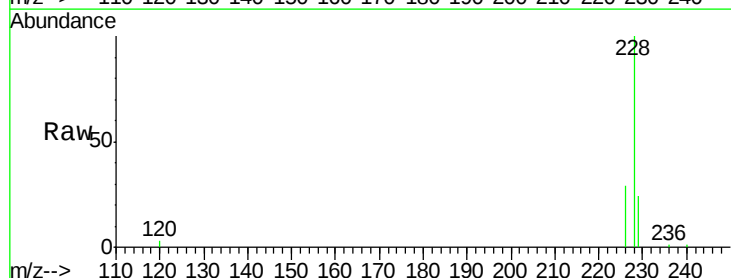
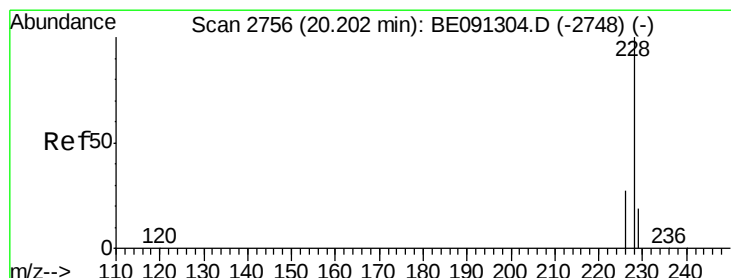
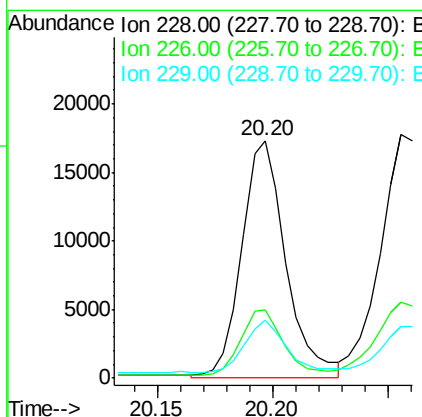
Manual Integrations
APPROVED

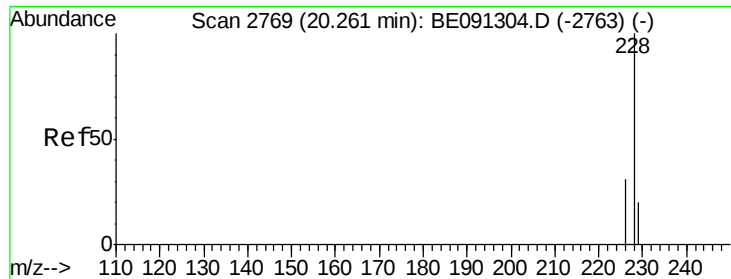
Mmdadoda
11/24/2015 1:06:48 PM



#20
Benzo(a)anthracene
Concen: 0.46 ng/ul m
RT: 20.20 min Scan# 2755
Delta R.T. -0.01 min
Lab File: BE091307.D
Acq: 23 Nov 2015 19:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.0	34.4
229	24.4	15.2	22.8#





#21

Chrysene

Concen: 0.45 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

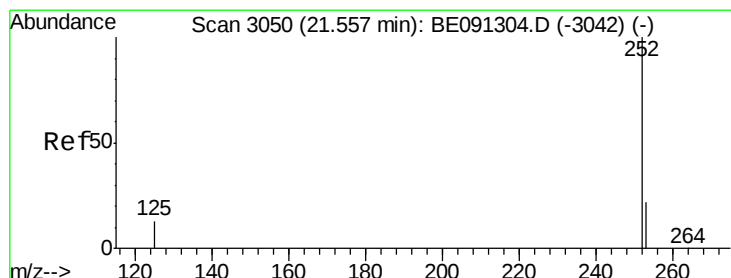
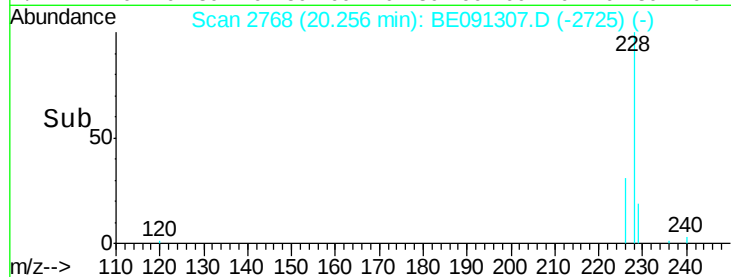
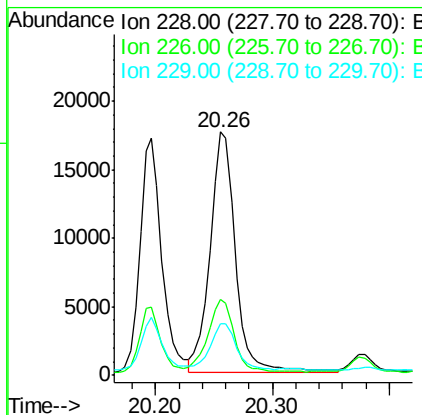
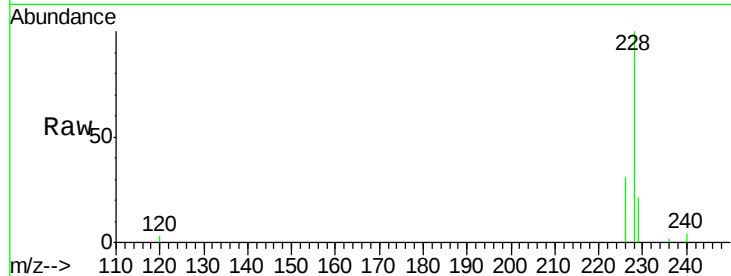
ClientSampleId :

A4HT1RXDL

Tot Ion:	228	Resp:	26351
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.7	38.5
229	21.2	15.2	22.8

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:06:48 PM



#23

Benzo(b)fluoranthene

Concen: 0.23 ng/ul

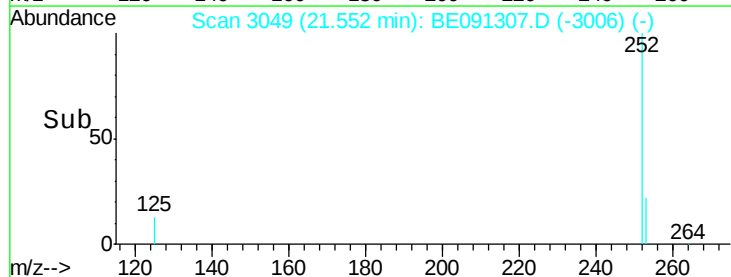
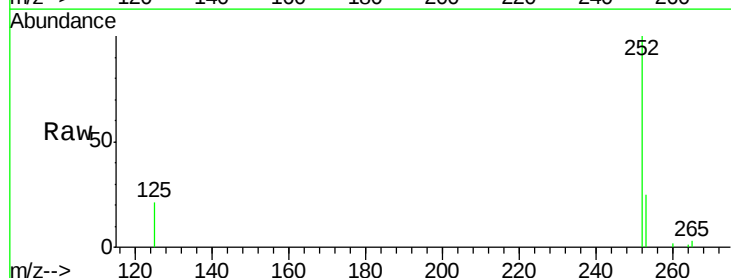
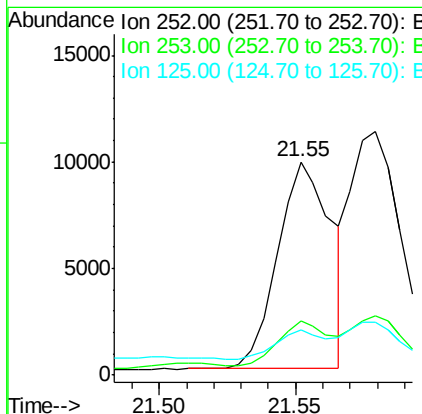
RT: 21.55 min Scan# 3049

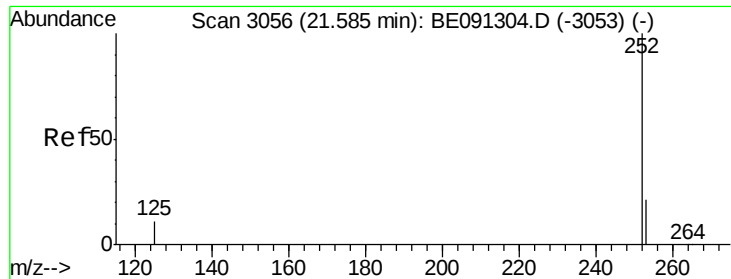
Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Tgt Ion:	252	Resp:	13255
Ion Ratio	Lower	Upper	
252	100		
253	25.1	0.0	48.0
125	20.9	0.0	36.6





#24

Benzo(k)fluoranthene

Concen: 0.26 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

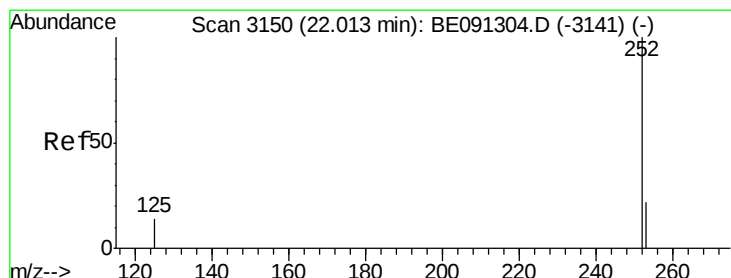
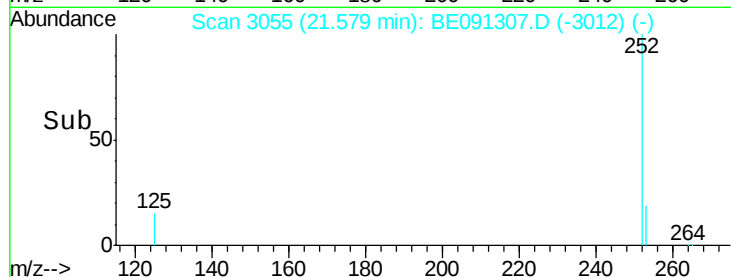
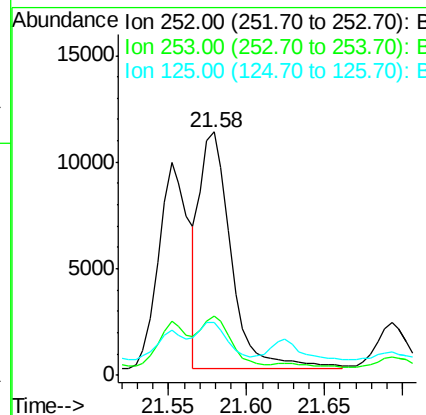
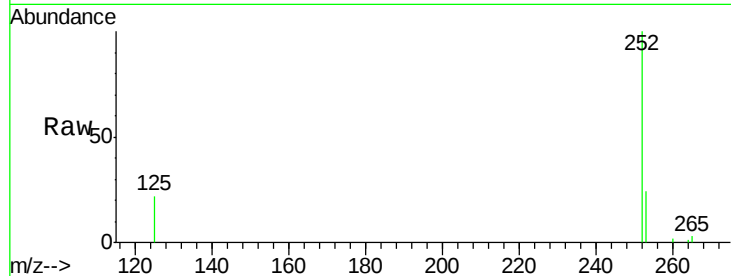
ClientSampleId :

A4HT1RXDL

Tot Ion:	252	Resp:	15503
Ion Ratio	Lower	Upper	
252	100		
253	24.5	20.8	31.2
125	21.5	12.2	18.4#

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:06:48 PM



#25

Benzo(a)pyrene

Concen: 0.37 ng/ul

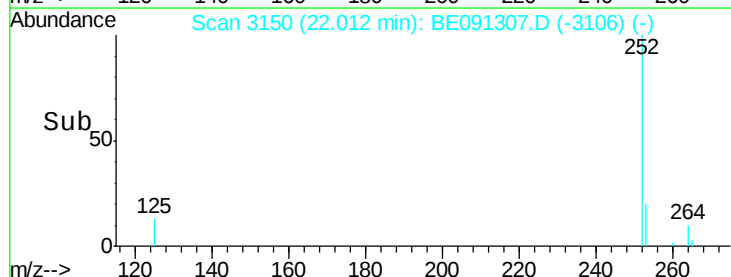
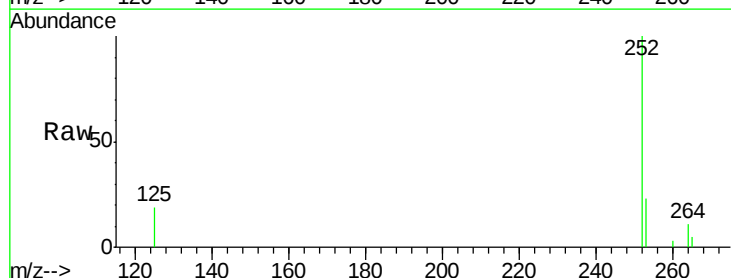
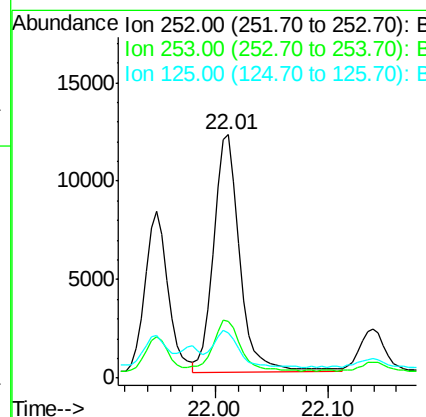
RT: 22.01 min Scan# 3150

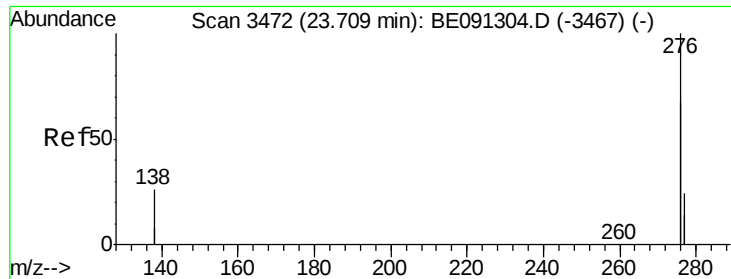
Delta R.T. -0.00 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Tgt Ion:	252	Resp:	19390
Ion Ratio	Lower	Upper	
252	100		
253	23.3	21.8	32.8
125	18.5	14.5	21.7





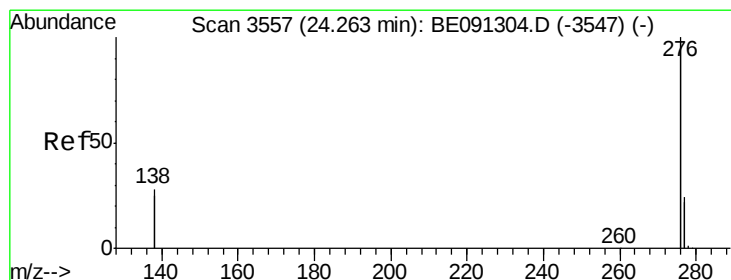
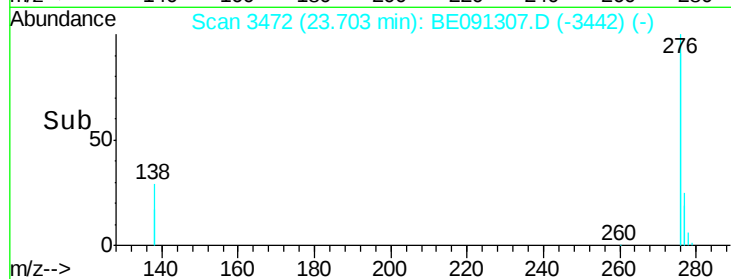
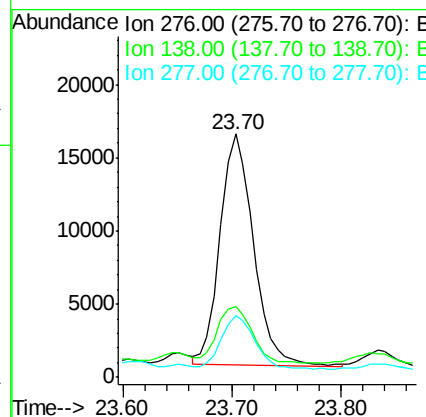
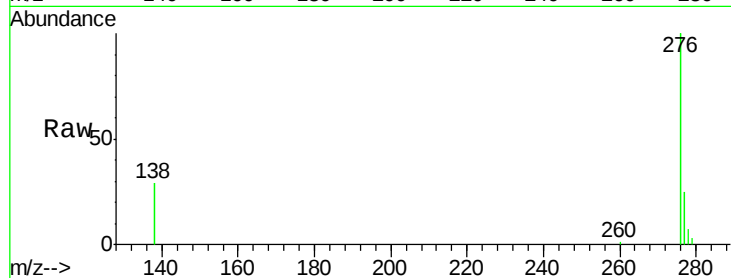
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.15 ng/ul
 RT: 23.70 min Scan# 3472
 Delta R.T. -0.01 min
 Lab File: BE091307.D
 Acq: 23 Nov 2015 19:37

Instrument :
 BNA_E
 ClientSampleId :
 A4HT1RXDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	27.5	41.3#
277	22.8	19.3	28.9

Manual Integrations
 APPROVED

Mmdadoda
 11/24/2015 1:06:48 PM



#28
 Benzo(g,h,i)perylene
 Concen: 0.16 ng/ul
 RT: 24.25 min Scan# 3556
 Delta R.T. -0.01 min
 Lab File: BE091307.D
 Acq: 23 Nov 2015 19:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	21.3	31.9
138	33.0	25.5	38.3

