Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111115\
Data File : BE091139.D
Acq On : 12 Nov 2015 11:29
Operator : UM/NP
Sample : G4322-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A4HS2

Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

Quant Time: Nov 13 16:40:10 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	3450	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	19437	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11339	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.12	188	29619m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.29	240	37606	0.40	ng/ul	0.00
22) Perylene-d12	22.20	264	40303	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	10834	4.37	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	3437	0.13	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	9846	0.12	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	9.61	128	73013	1.52	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	20059	0.64	ng/ul	98
9) Acenaphthylene	13.15	152	30486	0.54	ng/ul	98
10) Acenaphthene	13.46	153	27333	0.70	ng/ul	92
11) Fluorene	14.45	166	37941	0.76	ng/ul	91
14) Phenanthrene	16.16	178	2618094	7.65	ng/ul	98
15) Anthracene	16.25	178	732774m	2.36	ng/ul	
17) Fluoranthene	18.15	202	3968822m	9.92	ng/ul	
19) Pyrene	18.54	202	3883290	9.09	ng/ul#	77
20) Benzo(a)anthracene	20.26	228	553978m	5.74	ng/ul	
21) Chrysene	20.32	228	558145	5.02	ng/ul	97
23) Benzo(b)fluoranthene	21.63	252	406081	3.23	ng/ul	99
24) Benzo(k)fluoranthene	21.66	252	397888m	3.08	ng/ul	
25) Benzo(a)pyrene	22.10	252	507167	4.38	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.87	276	1228215m	2.52	ng/ul	
27) Dibenzo(a,h)anthracene	23.81	278	115991	1.00	ng/ul#	70
28) Benzo(g,h,i)perylene	24.42	276	1268717	2.48	ng/ul	96

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

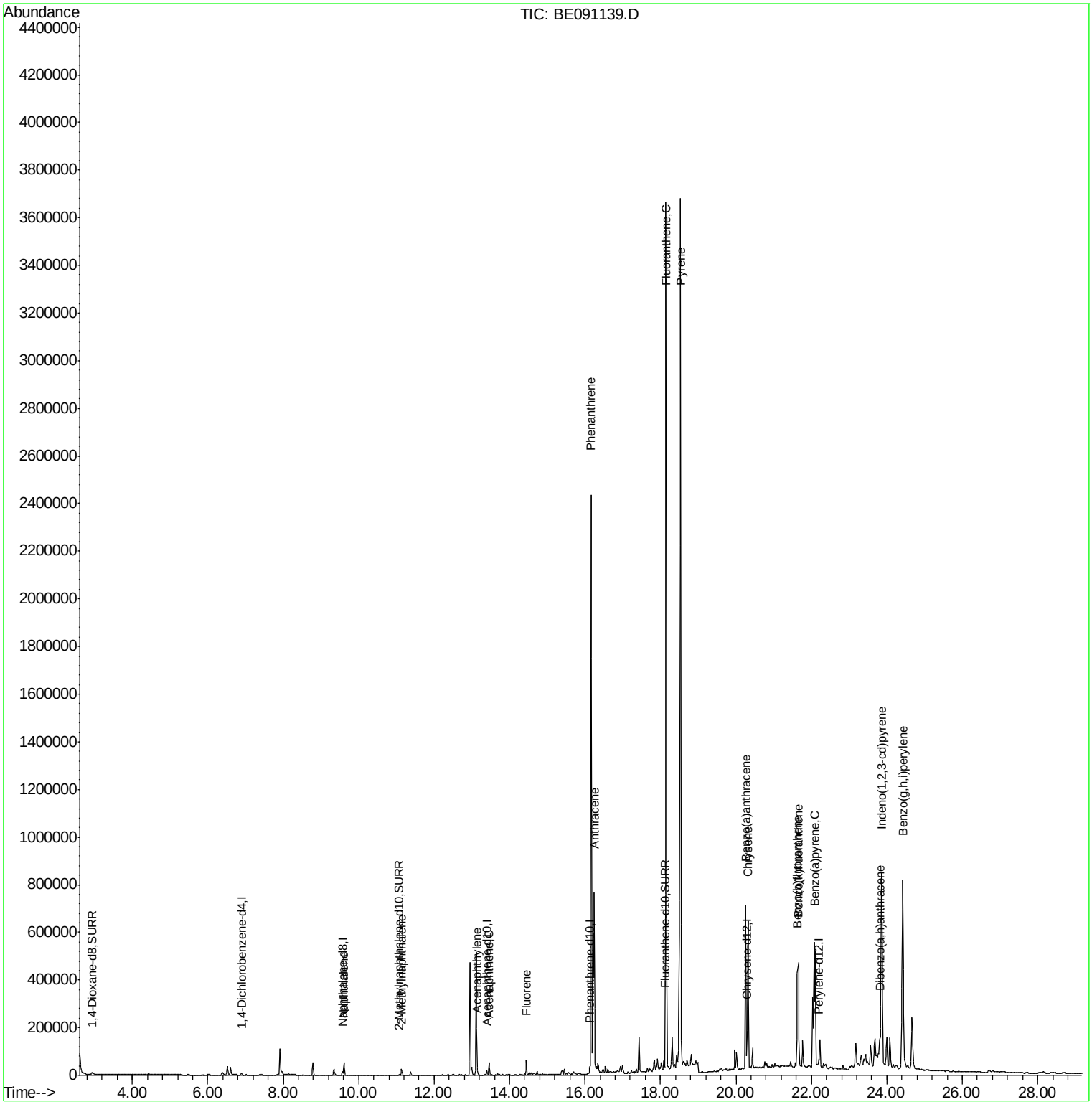
Quantitation Report (QT Reviewed)

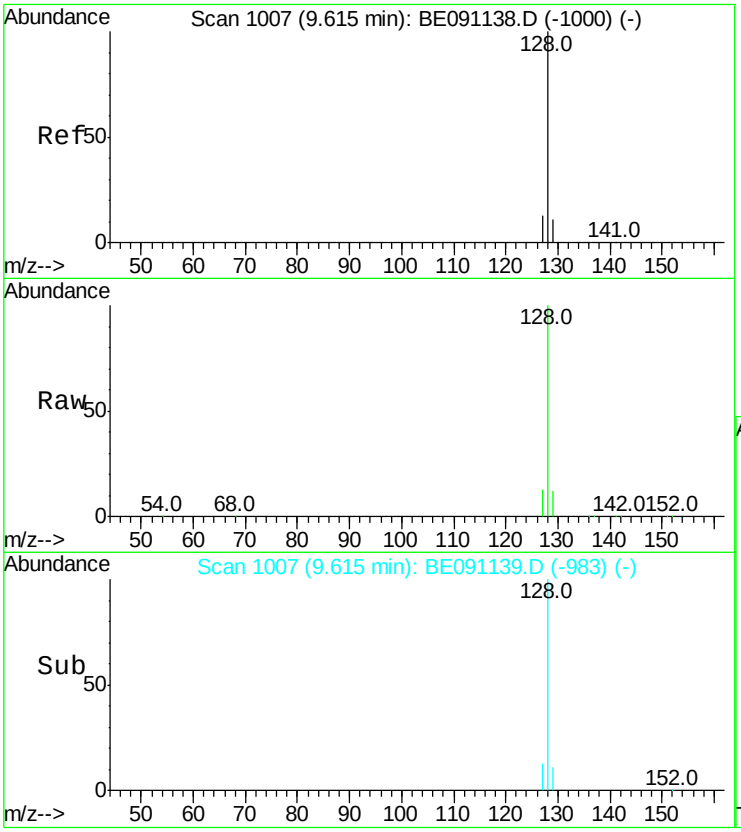
Data Path : Z:\HPCHEM1\BNA E\DATA\BE111115\
Data File : BE091139.D
Acq On : 12 Nov 2015 11:29
Operator : UM/NP
Sample : G4322-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 13 16:40:10 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

Instrument :
BNA_E
ClientSampleId :
A4HS2

Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

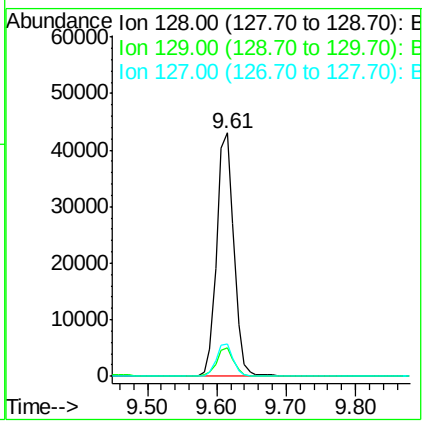




#5
Naphthalene
Concen: 1.52 ng/ul
RT: 9.61 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

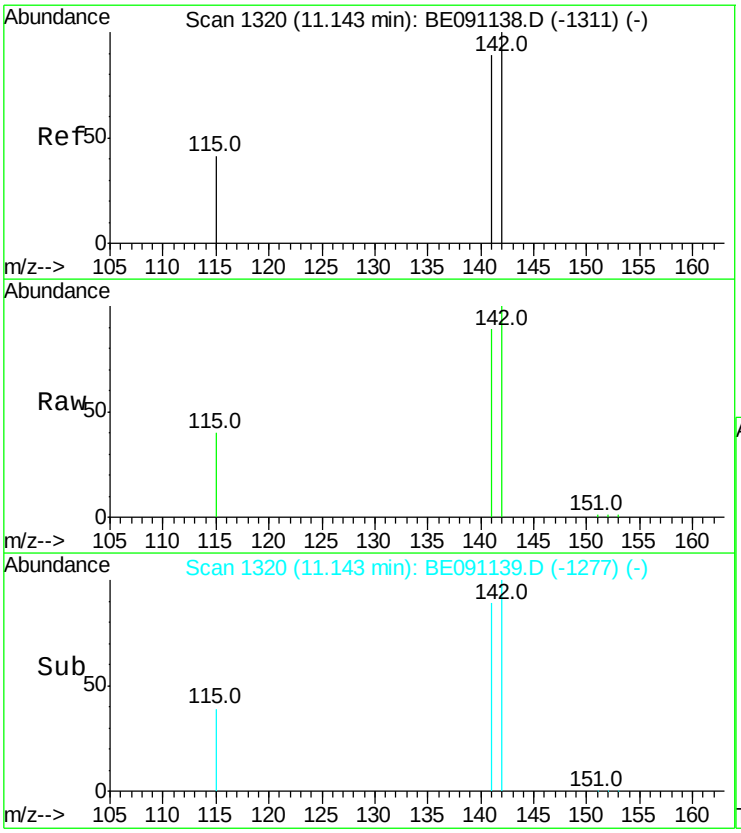
Tgt Ion:128 Resp: 73013

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.8	14.8
127	13.1	10.7	16.1



Instrument :
BNA_E
ClientSampleId :
A4HS2

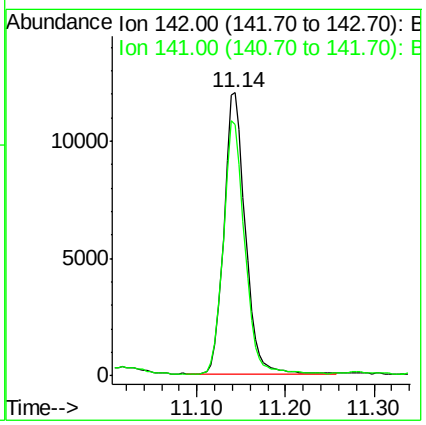
Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

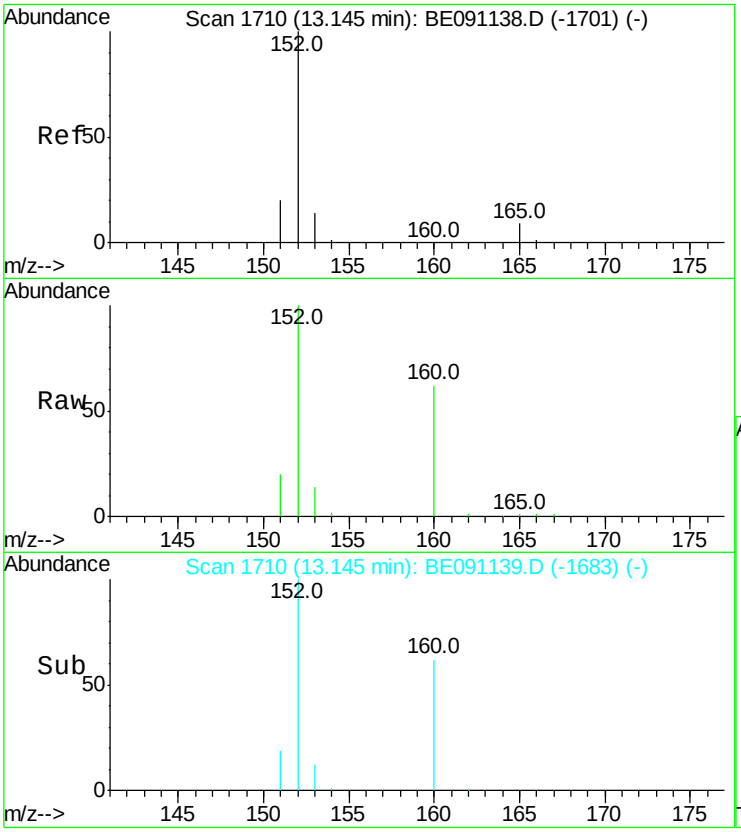


#7
2-Methylnaphthalene
Concen: 0.64 ng/ul
RT: 11.14 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:142 Resp: 20059

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.3	105.5

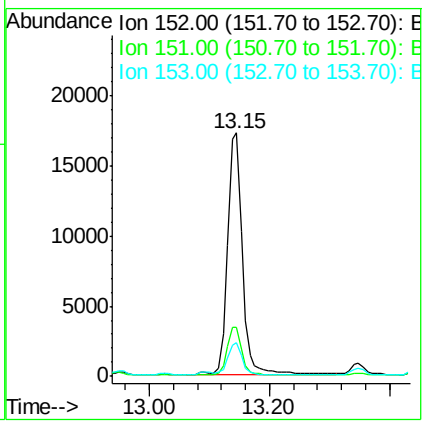




#9
Acenaphthylene
Concen: 0.54 ng/ul
RT: 13.15 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

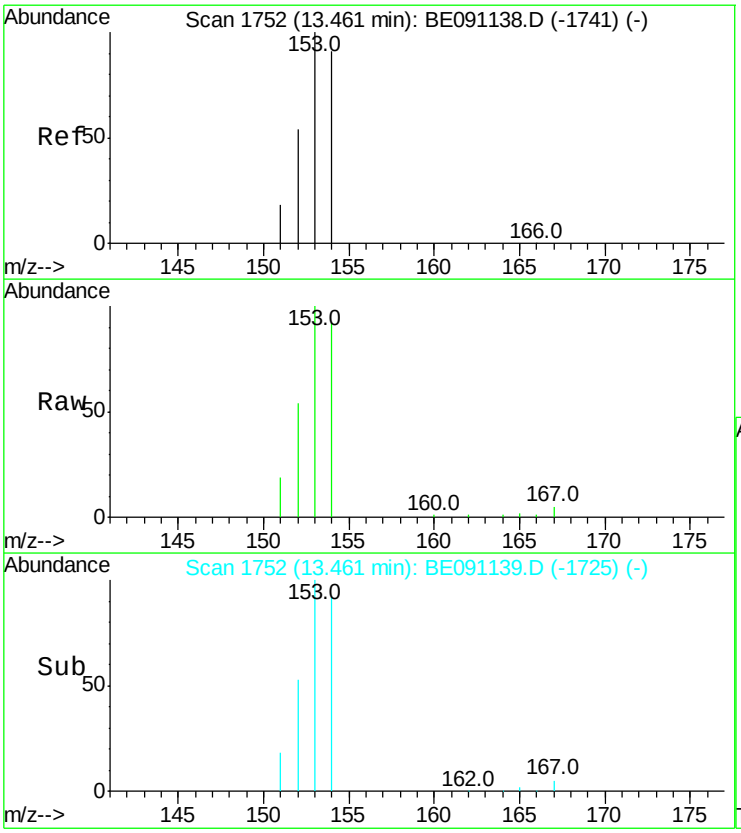
Tgt Ion:152 Resp: 30486

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	13.6	11.3	16.9



Instrument :
BNA_E
ClientSampleId :
A4HS2

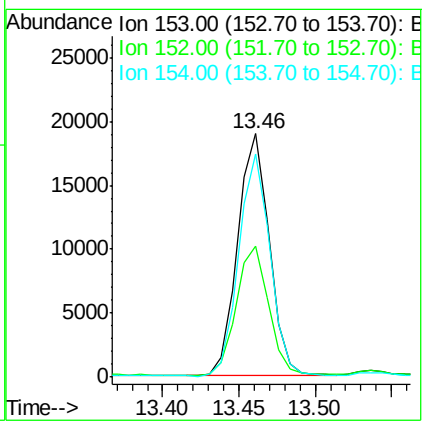
Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

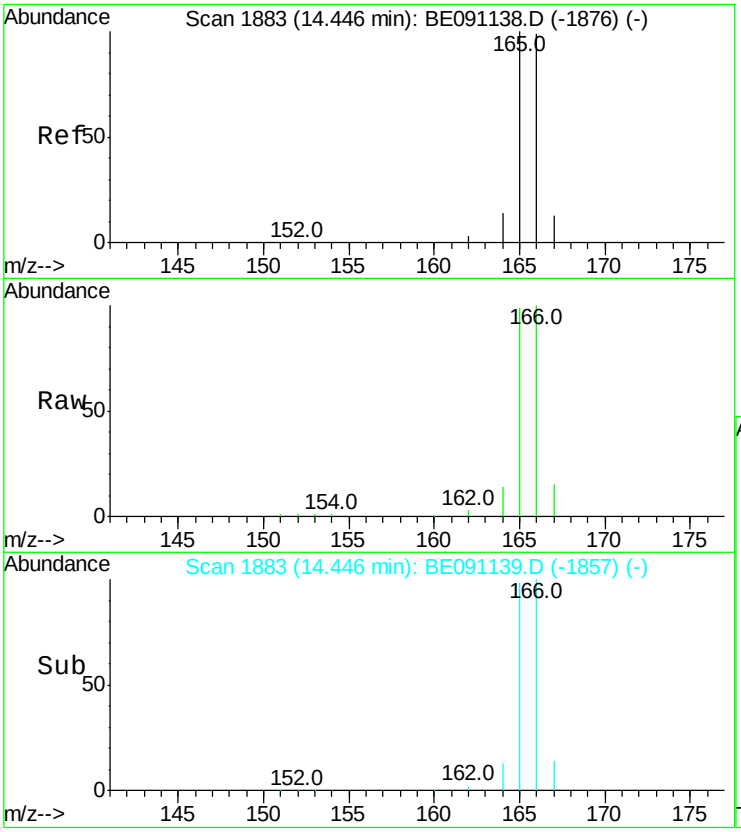


#10
Acenaphthene
Concen: 0.70 ng/ul
RT: 13.46 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:153 Resp: 27333

Ion	Ratio	Lower	Upper
153	100		
152	53.7	42.3	63.5
154	91.9	64.7	97.1

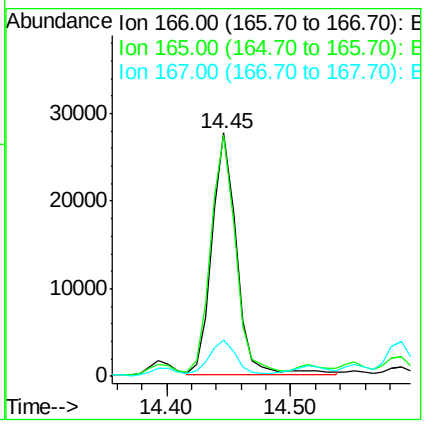




#11
Fluorene
Concen: 0.76 ng/ul
RT: 14.45 min Scan# 1883
Delta R.T. -0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

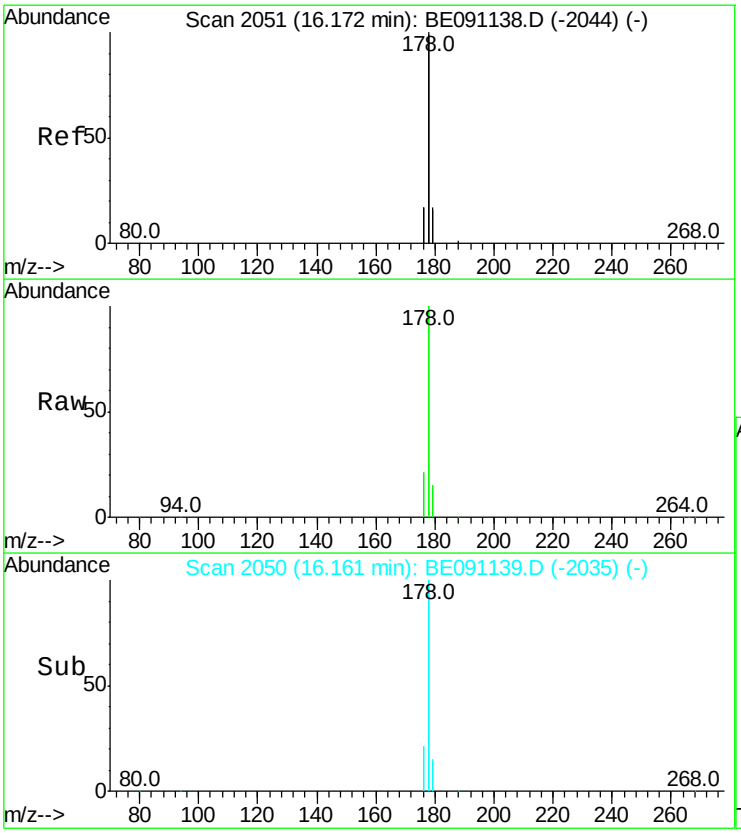
Tgt Ion:166 Resp: 37941

Ion	Ratio	Lower	Upper
166	100		
165	99.0	87.6	131.4
167	14.7	11.1	16.7



Instrument :
BNA_E
ClientSampleId :
A4HS2

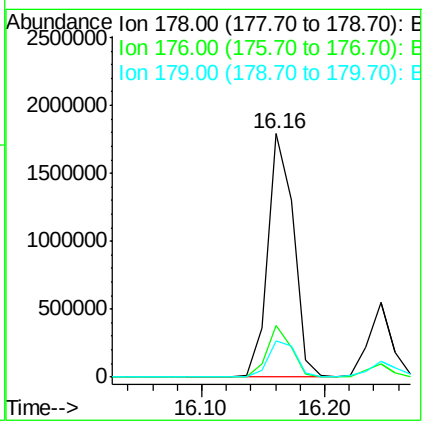
Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

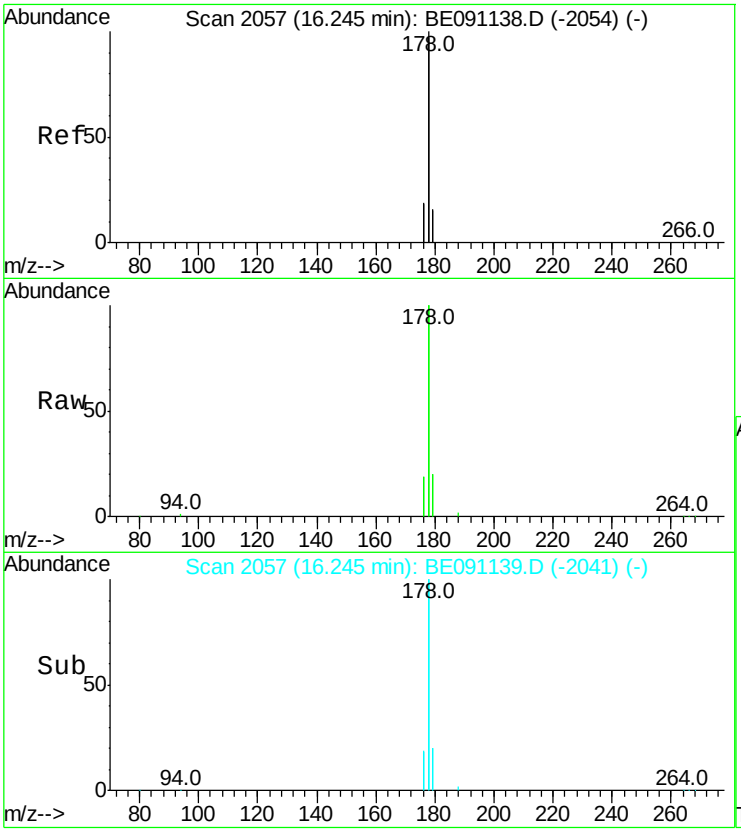


#14
Phenanthrene
Concen: 7.65 ng/ul
RT: 16.16 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:178 Resp: 2618094

Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.2	24.4
179	14.7	12.8	19.2

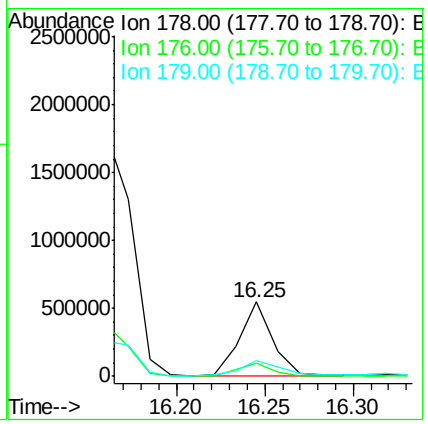




#15
Anthracene
Concen: 2.36 ng/ul m
RT: 16.25 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

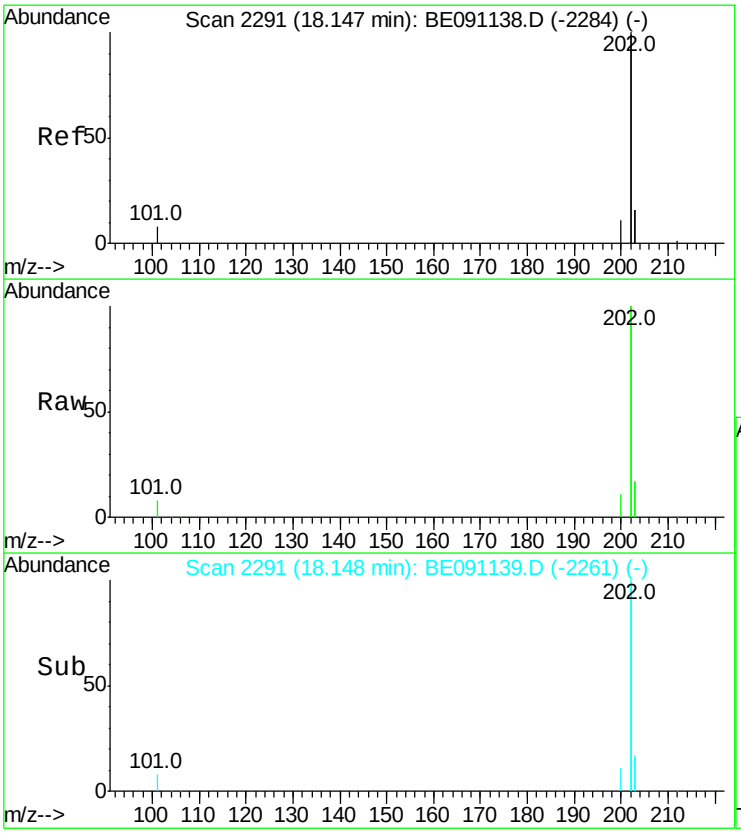
Tgt Ion:178 Resp: 732774

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	20.5	13.3	19.9#



Instrument :
BNA_E
ClientSampleId :
A4HS2

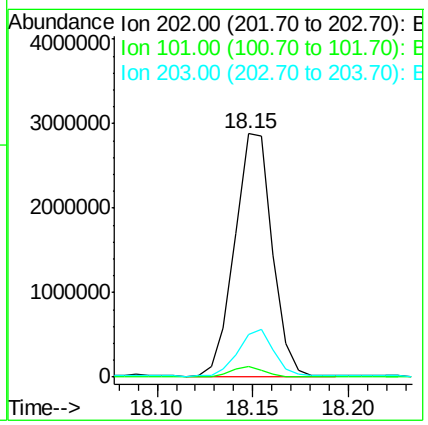
Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

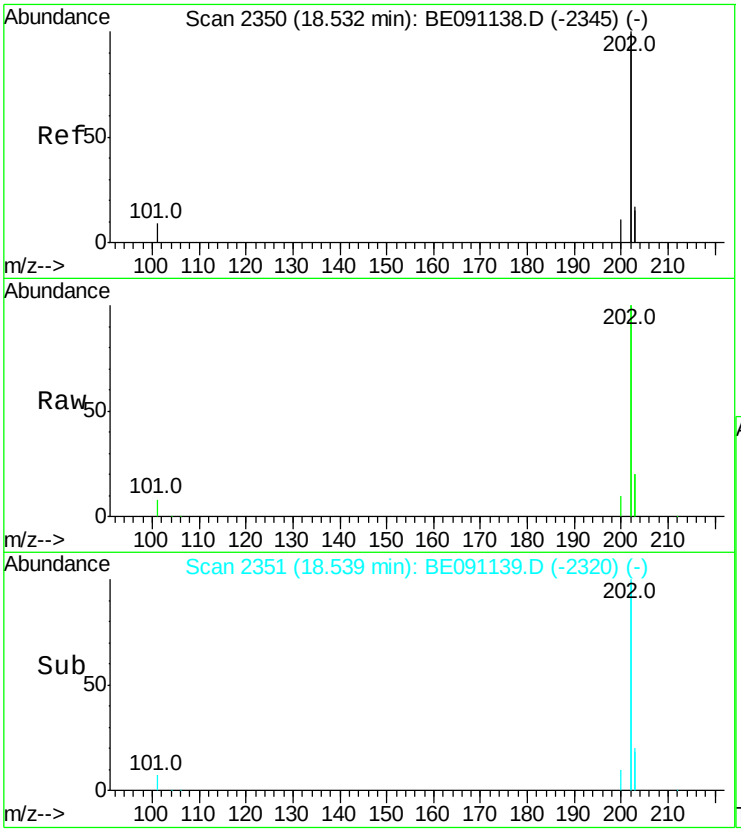


#17
Fluoranthene
Concen: 9.92 ng/ul m
RT: 18.15 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:202 Resp: 3968822

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	33.1
203	17.3	0.0	37.2





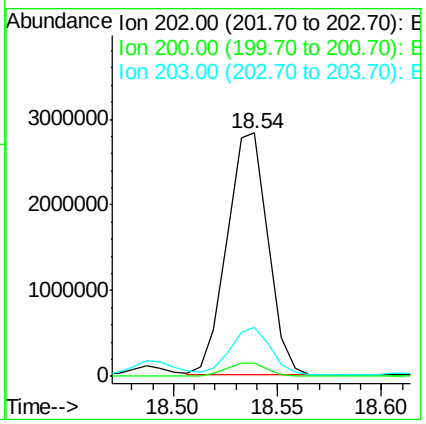
#19
Pyrene
Concen: 9.09 ng/ul
RT: 18.54 min Scan# 2351
Delta R.T. 0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

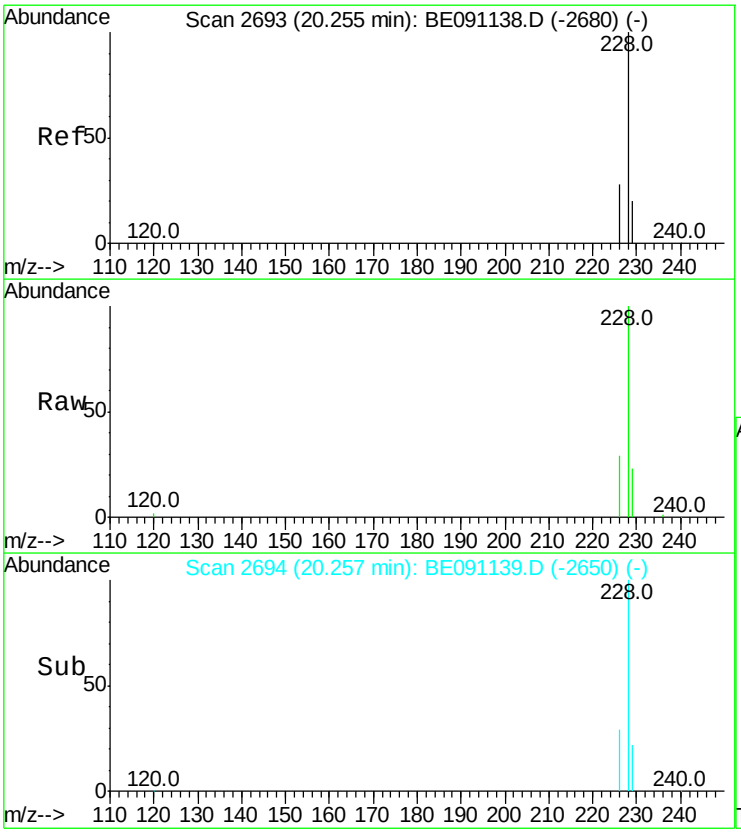
Tgt Ion:202 Resp: 3883290

Ion	Ratio	Lower	Upper
202	100		
200	5.2	18.0	27.0#
203	20.2	13.8	20.6

Instrument :
BNA_E
ClientSampleId :
A4HS2

Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

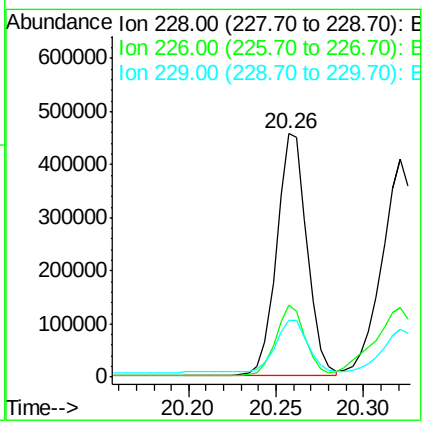


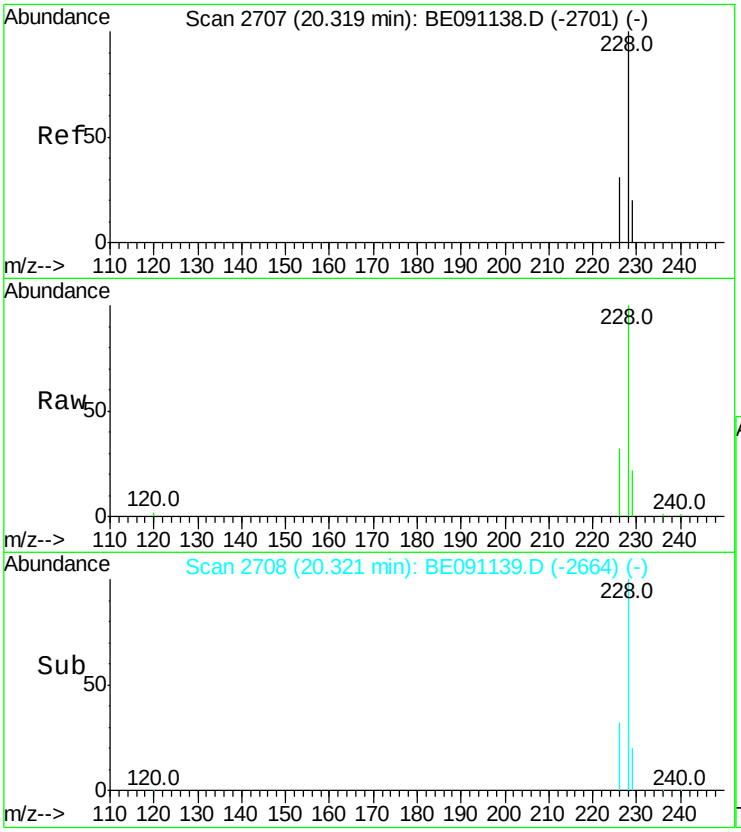


#20
Benzo(a)anthracene
Concen: 5.74 ng/ul m
RT: 20.26 min Scan# 2694
Delta R.T. 0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:228 Resp: 553978

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.4
229	23.5	15.2	22.8#

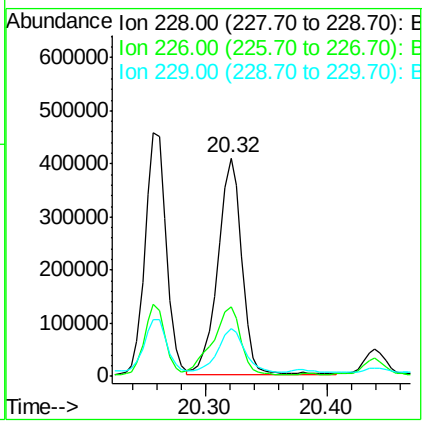




#21
Chrysene
Concen: 5.02 ng/ul
RT: 20.32 min Scan# 2708
Delta R.T. 0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

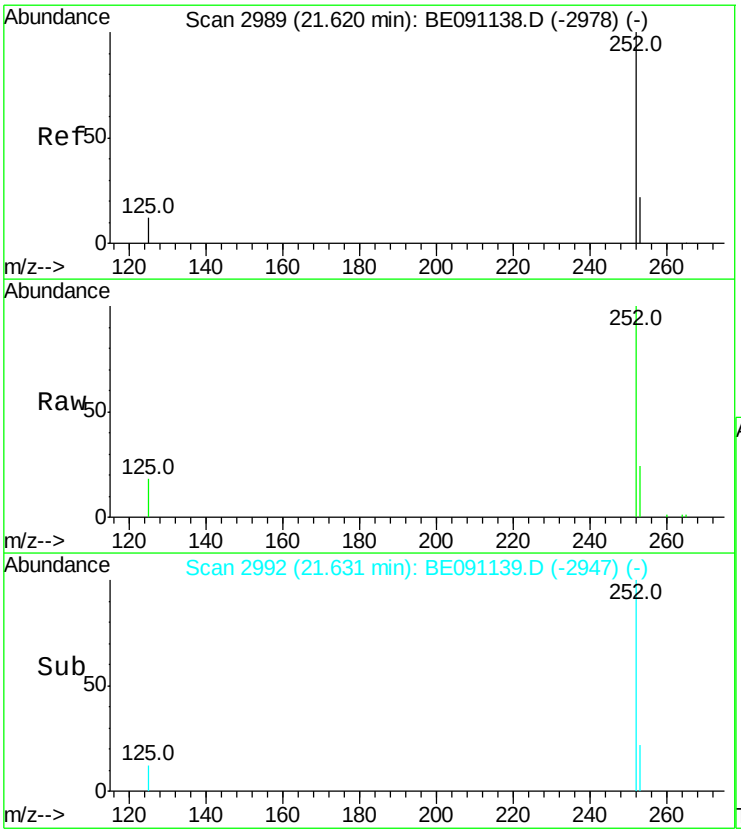
Tgt Ion:228 Resp: 558145

Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.7	38.5
229	22.1	15.2	22.8



Instrument :
BNA_E
ClientSampleId :
A4HS2

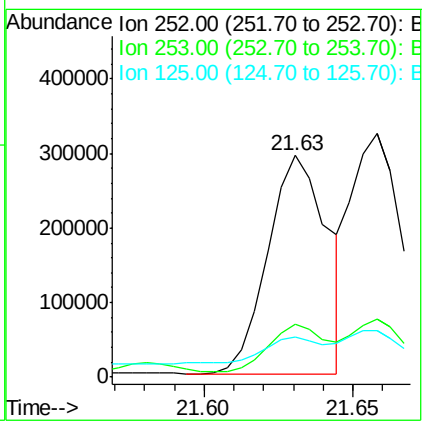
Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

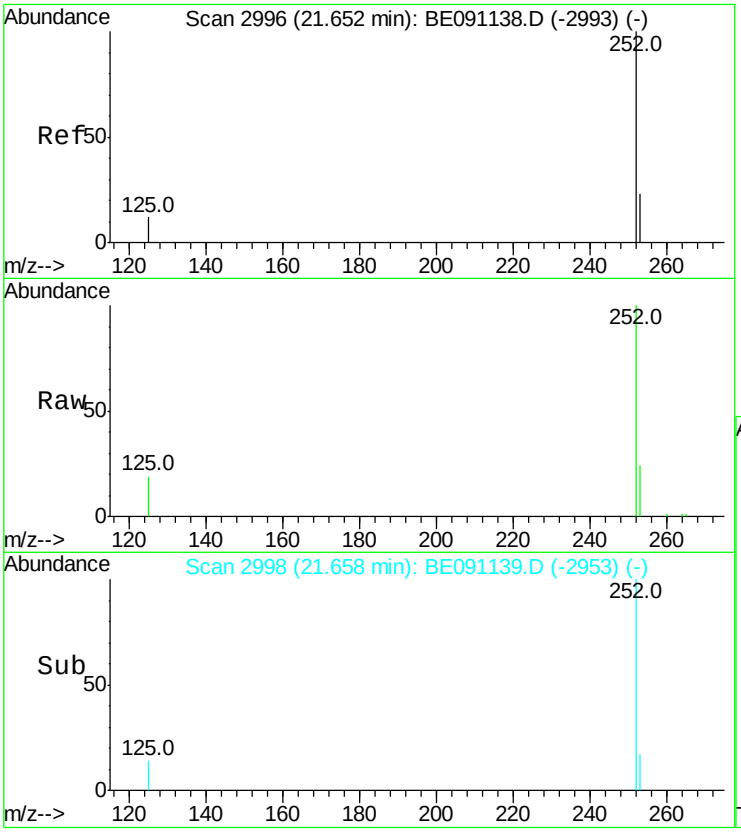


#23
Benzo(b)fluoranthene
Concen: 3.23 ng/ul
RT: 21.63 min Scan# 2992
Delta R.T. 0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:252 Resp: 406081

Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	48.0
125	18.2	0.0	36.6

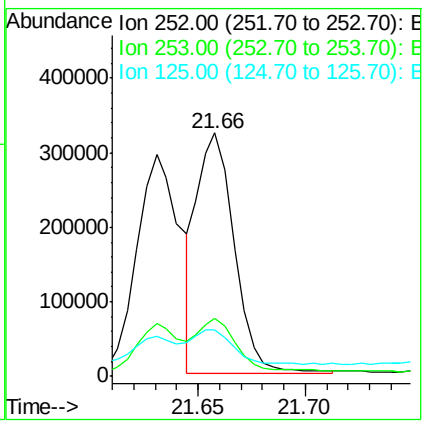




#24
Benzo(k)fluoranthene
Concen: 3.08 ng/ul m
RT: 21.66 min Scan# 2998
Delta R.T. 0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

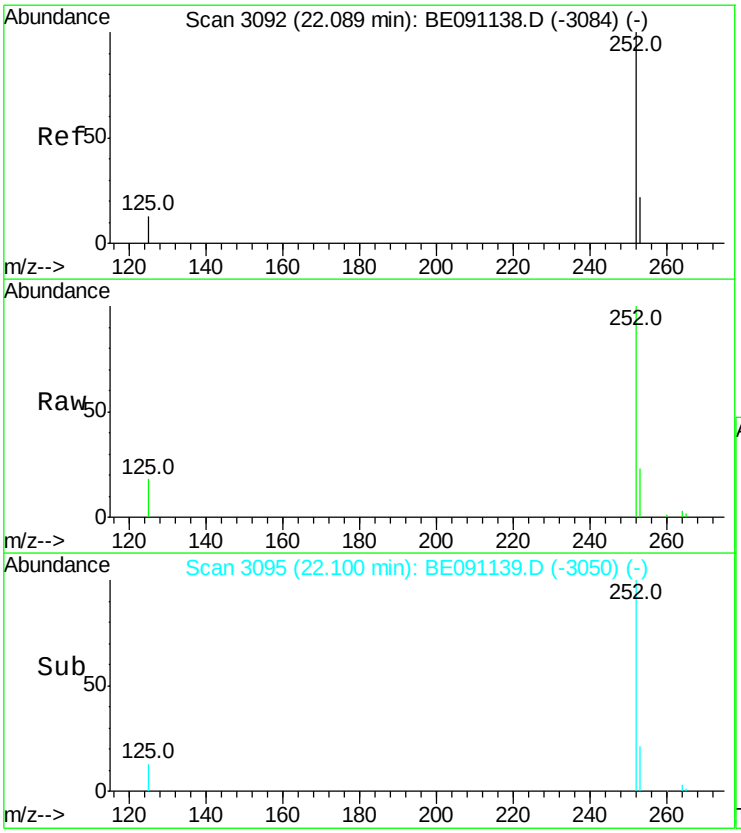
Tgt Ion:252 Resp: 397888

Ion	Ratio	Lower	Upper
252	100		
253	23.8	20.8	31.2
125	19.3	12.2	18.4#



Instrument :
BNA_E
ClientSampleId :
A4HS2

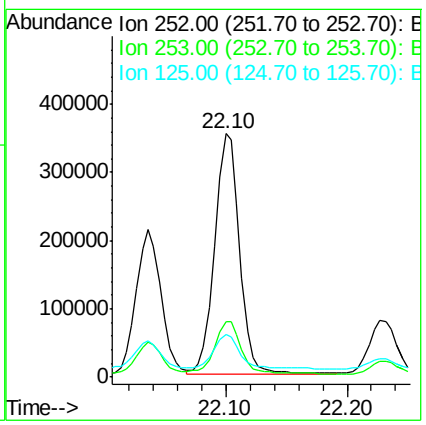
Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

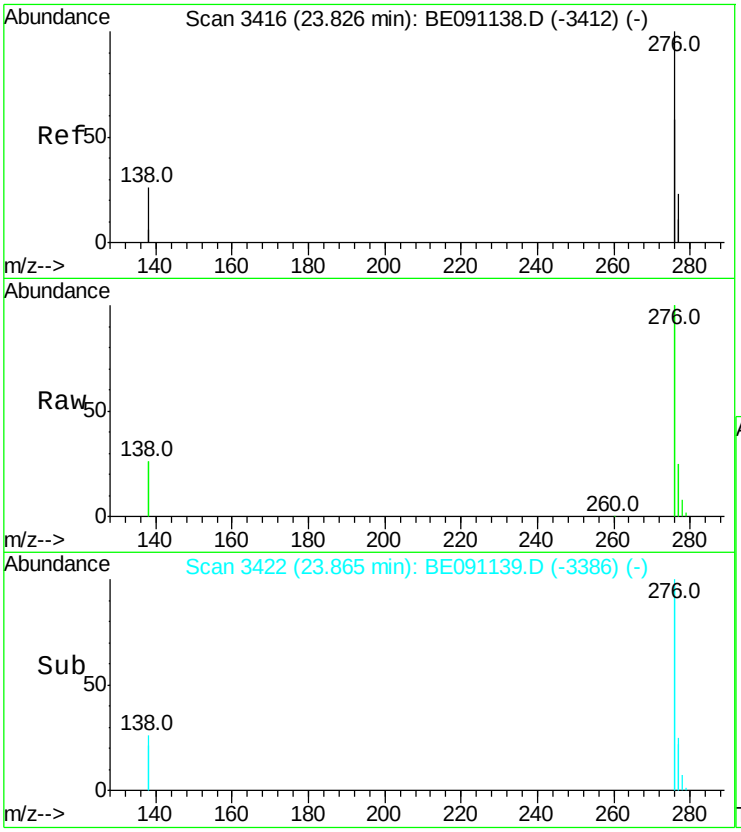


#25
Benzo(a)pyrene
Concen: 4.38 ng/ul
RT: 22.10 min Scan# 3095
Delta R.T. 0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:252 Resp: 507167

Ion	Ratio	Lower	Upper
252	100		
253	22.7	21.8	32.8
125	17.6	14.5	21.7

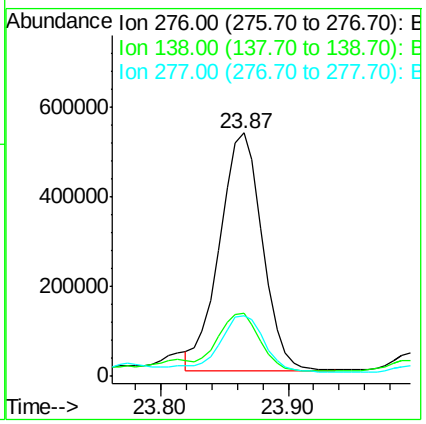




#26
Indeno(1,2,3-cd)pyrene
Concen: 2.52 ng/ul m
RT: 23.87 min Scan# 3422
Delta R.T. 0.03 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

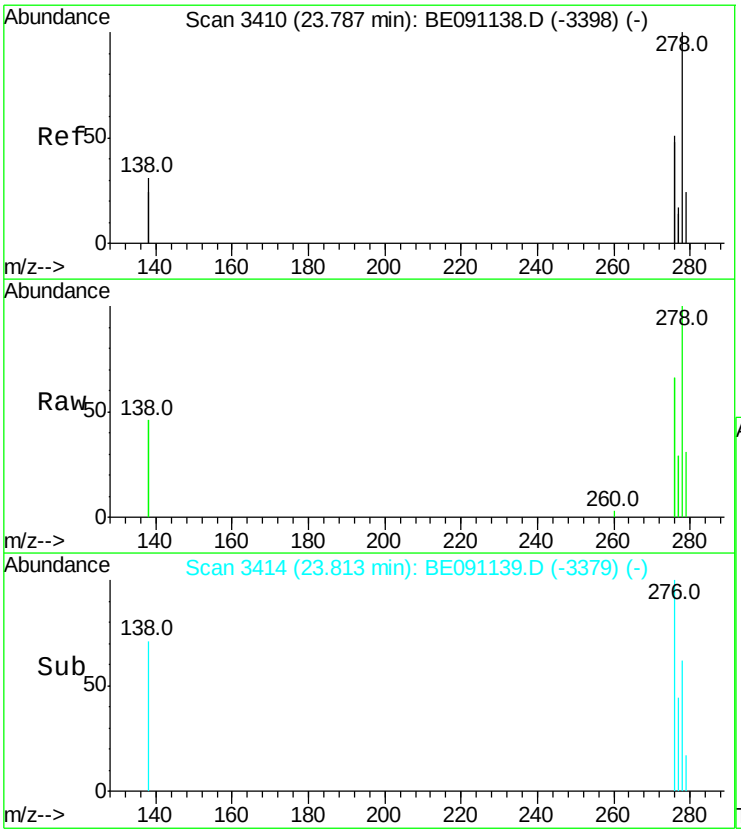
Tgt Ion:276 Resp: 1228215

Ion	Ratio	Lower	Upper
276	100		
138	23.6	27.5	41.3#
277	25.4	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
A4HS2

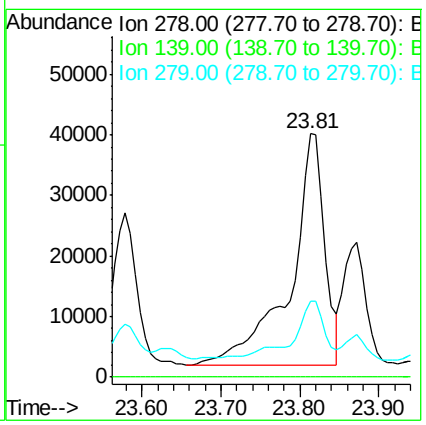
Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM

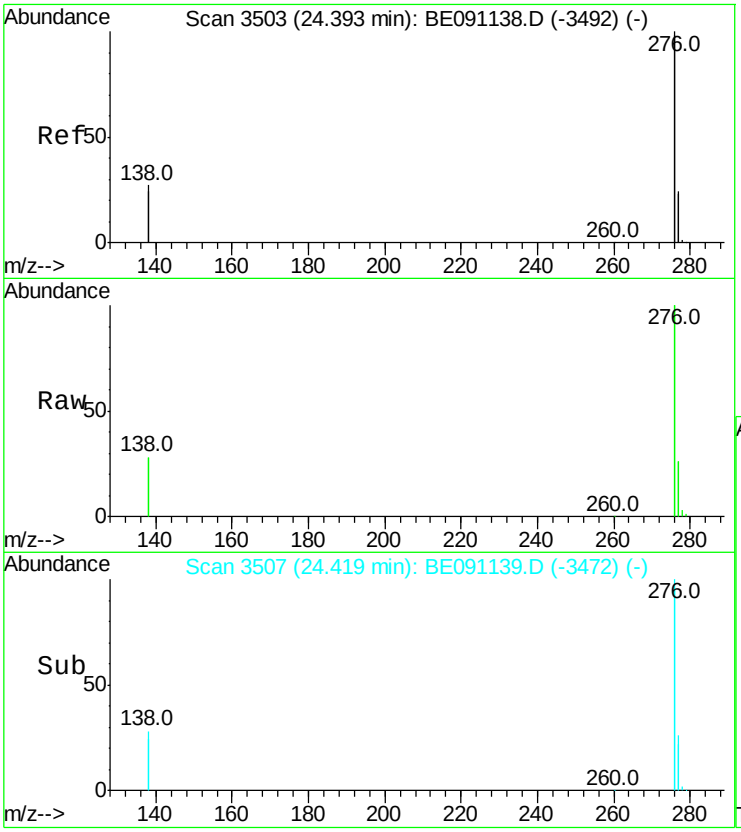


#27
Dibenzo(a,h)anthracene
Concen: 1.00 ng/ul
RT: 23.81 min Scan# 3414
Delta R.T. 0.03 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:278 Resp: 115991

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

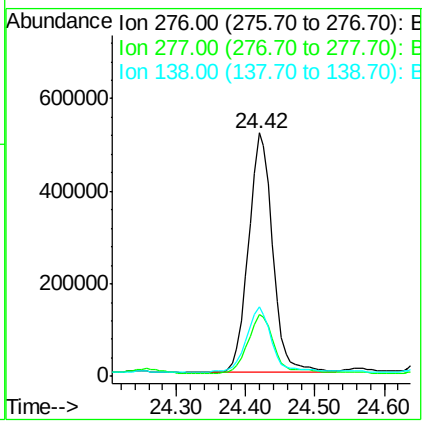




#28
Benzo(g,h,i)perylene
Concen: 2.48 ng/ul
RT: 24.42 min Scan# 3507
Delta R.T. 0.03 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:276 Resp: 1268717

Ion	Ratio	Lower	Upper
276	100		
277	25.5	21.3	31.9
138	28.5	25.5	38.3



Instrument :
BNA_E
ClientSampleId :
A4HS2

Manual Integrations APPROVED
Mmdadoda
11/16/2015 12:42:29 PM