Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091065.D
Acq On : 5 Nov 2015 12:06
Operator : UM/NP
Sample : G4273-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AN7

Manual Integrations APPROVED
Mmdadoda
11/6/2015 3:45:12 PM

Quant Time: Nov 06 06:01:14 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	4749	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	25916	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	15307	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	35079m	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	38303	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	45275	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	18796	5.50	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	6388	0.18	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	19258	0.19	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	9.62	128	53180	0.83	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	34134	0.82	ng/ul	99
9) Acenaphthylene	13.14	152	38153	0.50	ng/ul	99
10) Acenaphthene	13.46	153	513192	9.80	ng/ul	93
11) Fluorene	14.45	166	561837	8.36	ng/ul	89
14) Phenanthrene	16.17	178	7250193m	17.90	ng/ul	
15) Anthracene	16.26	178	4052284	11.00	ng/ul	95
17) Fluoranthene	18.16	202	7413771m	15.64	ng/ul	
19) Pyrene	18.54	202	5330066	12.25	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	620613	6.31	ng/ul	98
21) Chrysene	20.32	228	529152	4.67	ng/ul	97
23) Benzo(b)fluoranthene	21.63	252	352253	2.49	ng/ul	94
24) Benzo(k)fluoranthene	21.66	252	361942	2.50	ng/ul	95
25) Benzo(a)pyrene	22.10	252	432399m	3.32	ng/ul	
26) Indeno(1,2,3-cd)pyrene	23.83	276	862904	1.57	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.79	278	57687	0.44	ng/ul#	73
28) Benzo(g,h,i)perylene	24.40	276	653004	1.13	ng/ul	93

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091065.D
Acq On : 5 Nov 2015 12:06
Operator : UM/NP
Sample : G4273-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 06:01:14 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

Instrument :
BNA_E
ClientSampleId :
C0AN7

Manual Integrations APPROVED
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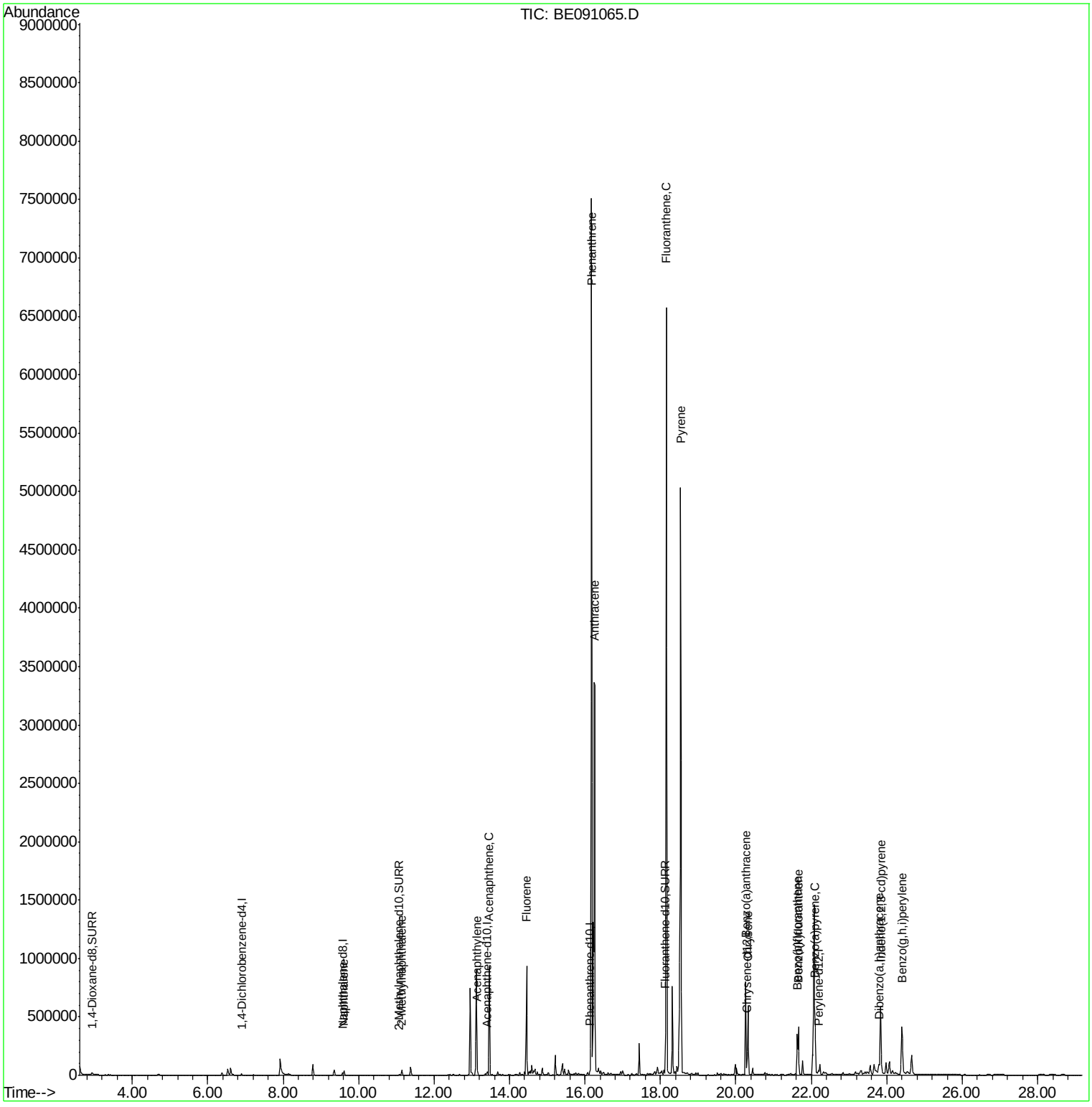
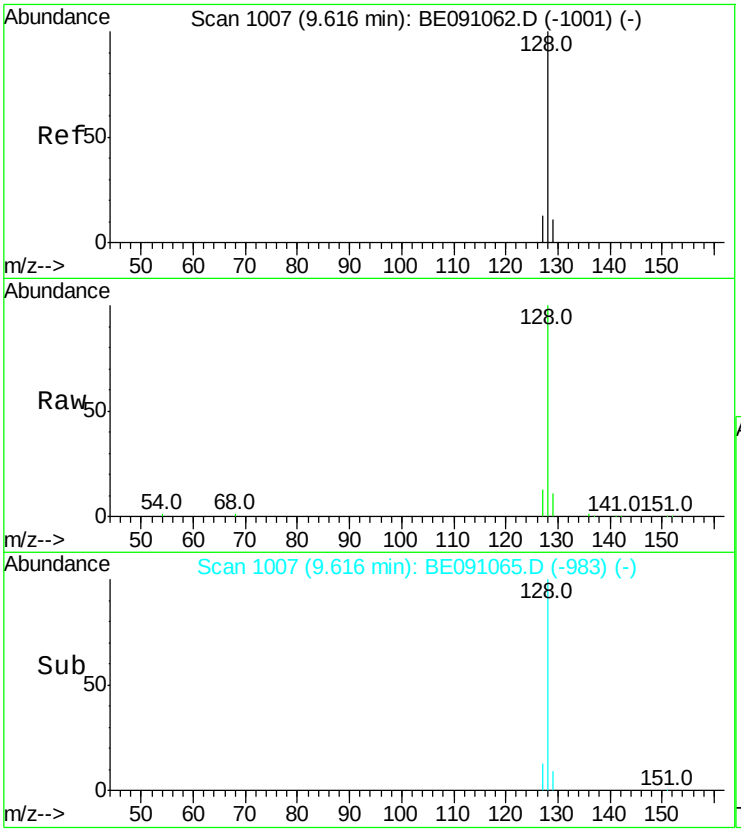
11/6/2015 3:45:12 PM

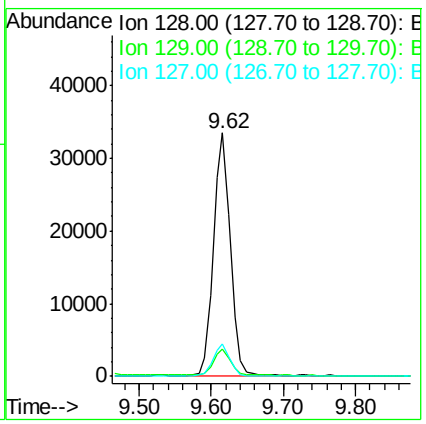




#5
Naphthalene
Concen: 0.83 ng/ul
RT: 9.62 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

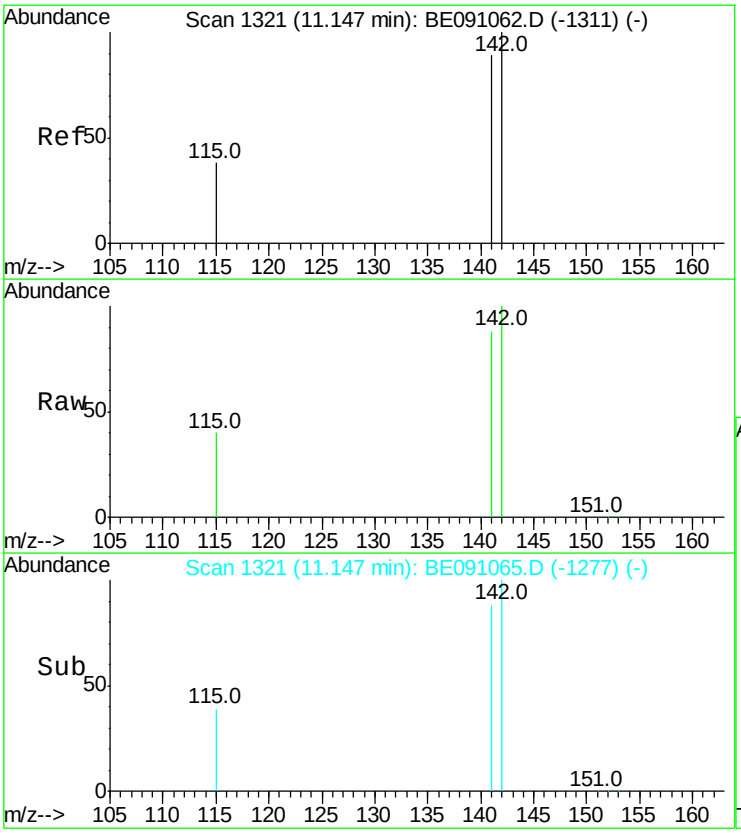
Tgt Ion:128 Resp: 53180

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.8
127	13.2	10.7	16.1



Instrument :
BNA_E
ClientSampleId :
C0AN7

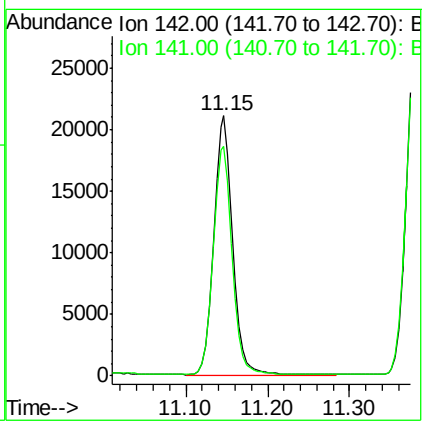
Manual Integrations APPROVED
Mmdadoda
11/6/2015 3:45:12 PM

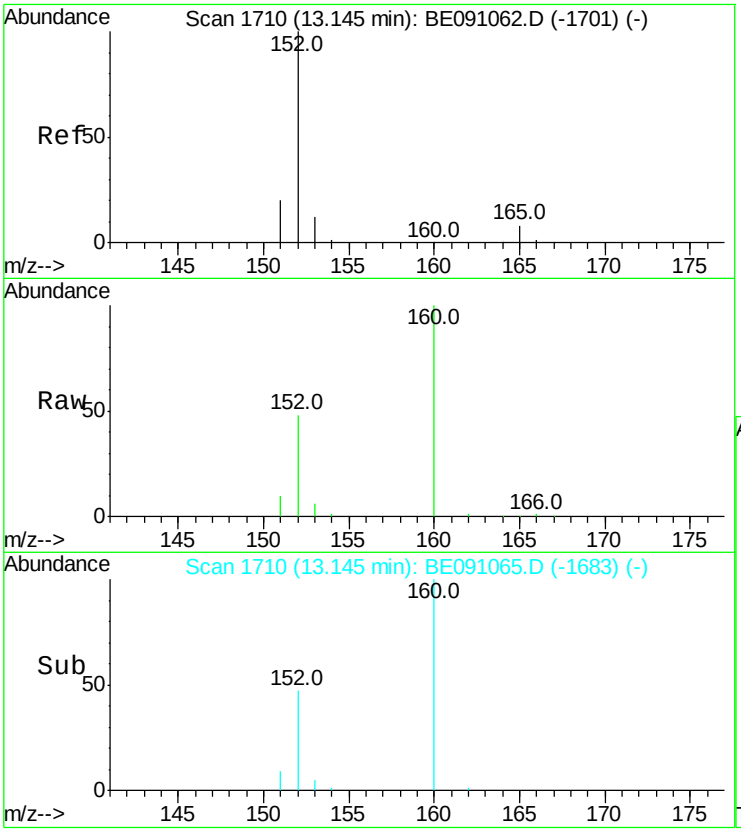


#7
2-Methylnaphthalene
Concen: 0.82 ng/ul
RT: 11.15 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:142 Resp: 34134

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.3	105.5

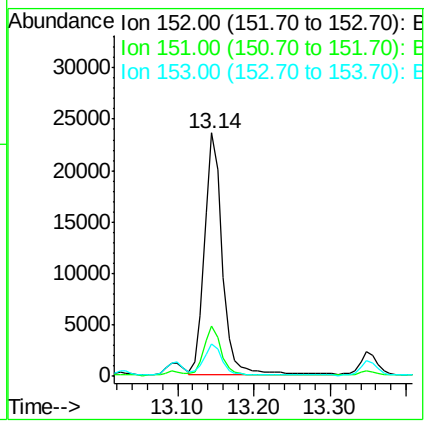




#9
Acenaphthylene
Concen: 0.50 ng/ul
RT: 13.14 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:152 Resp: 38153

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2
153	13.2	11.3	16.9



Instrument :
BNA_E
ClientSampleId :
C0AN7

Manual Integrations APPROVED
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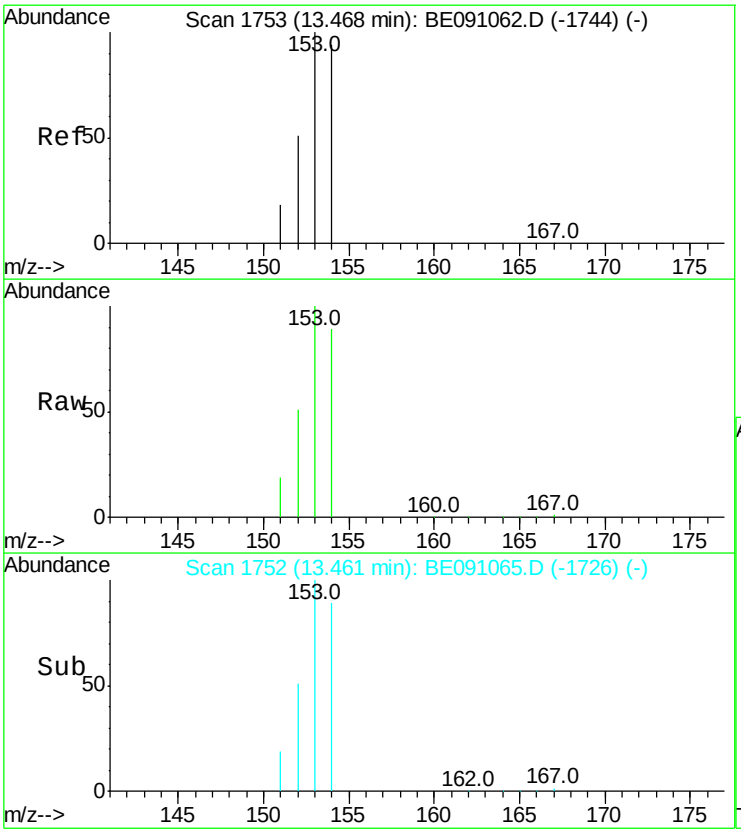
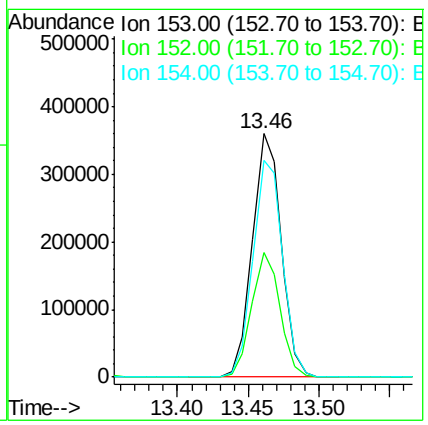
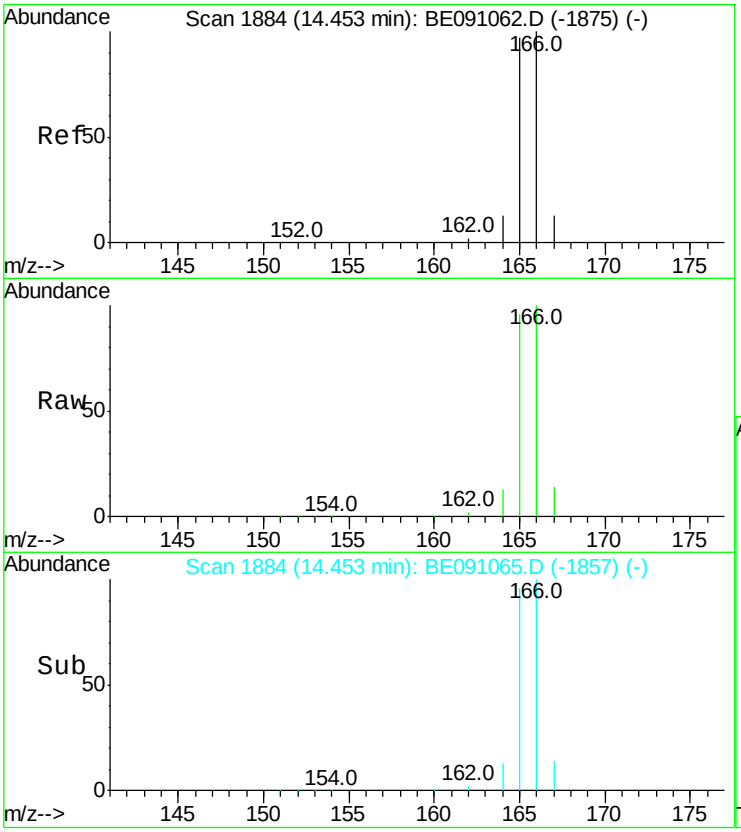


#10
Acenaphthene
Concen: 9.80 ng/ul
RT: 13.46 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:153 Resp: 513192

Ion	Ratio	Lower	Upper
153	100		
152	51.0	42.3	63.5
154	89.0	64.7	97.1

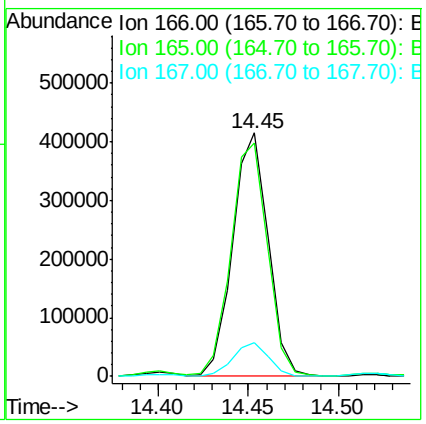




#11
Fluorene
Concen: 8.36 ng/ul
RT: 14.45 min Scan# 1884
Delta R.T. 0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:166 Resp: 561837

Ion	Ratio	Lower	Upper
166	100		
165	96.0	87.6	131.4
167	13.8	11.1	16.7



Instrument :
BNA_E
ClientSampleId :
C0AN7

Manual Integrations APPROVED
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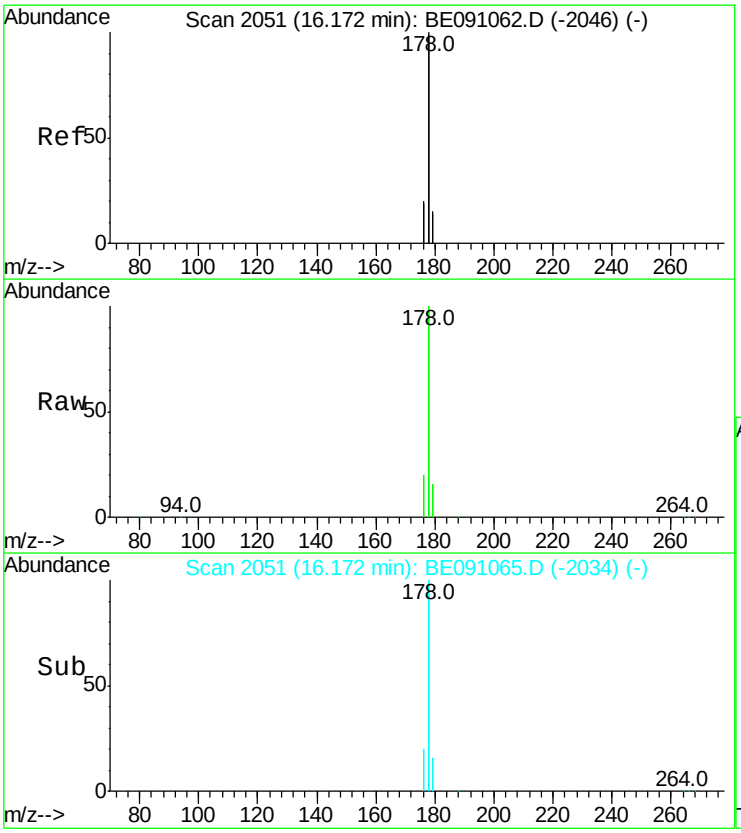
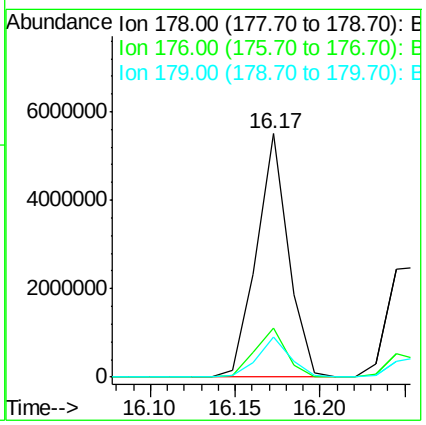
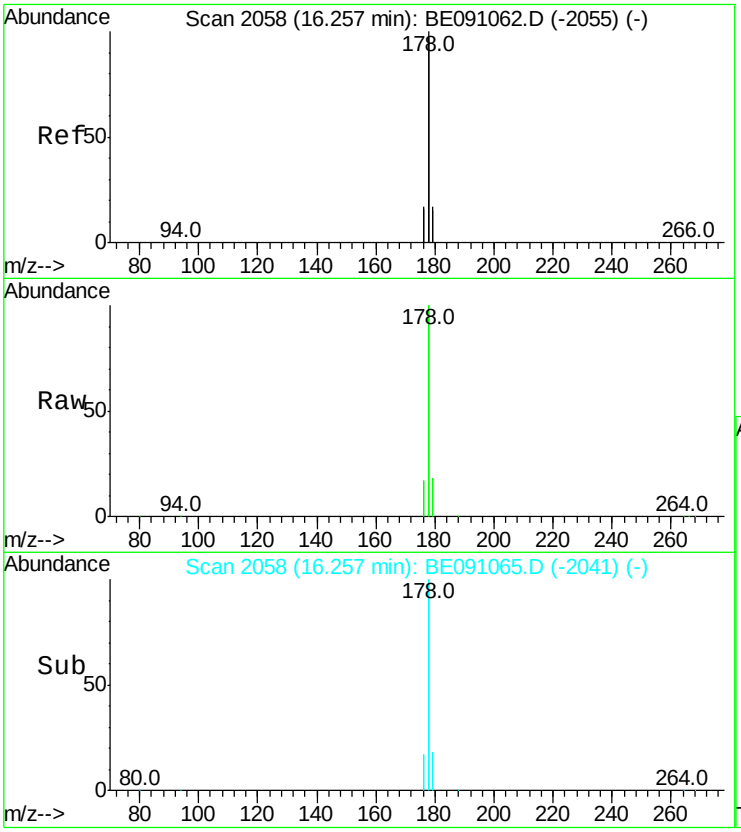


#14
Phenanthrene
Concen: 17.90 ng/ul m
RT: 16.17 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:178 Resp: 7250193

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	16.2	12.8	19.2

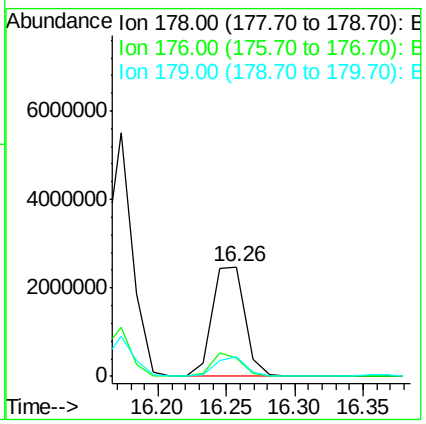




#15
Anthracene
Concen: 11.00 ng/ul
RT: 16.26 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:178 Resp: 4052284

Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.8	23.8
179	18.1	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
C0AN7

Manual Integrations APPROVED
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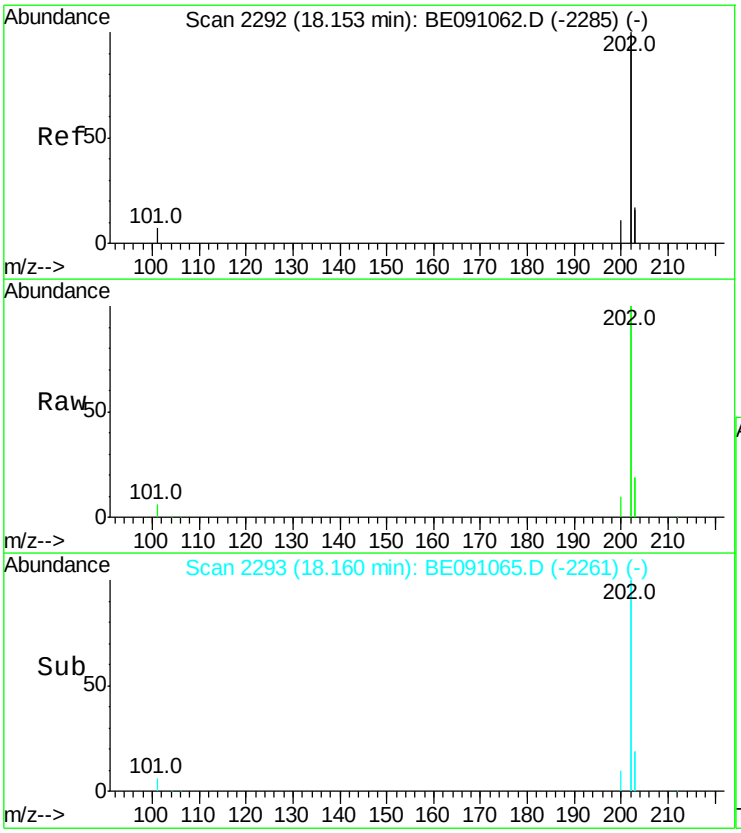
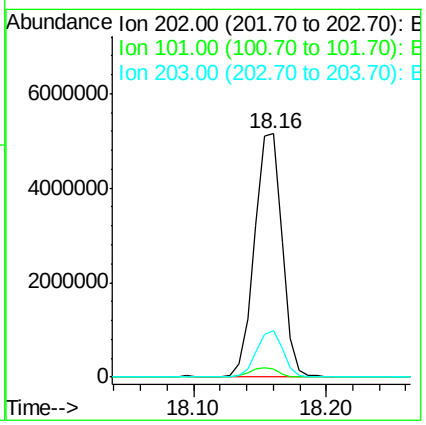
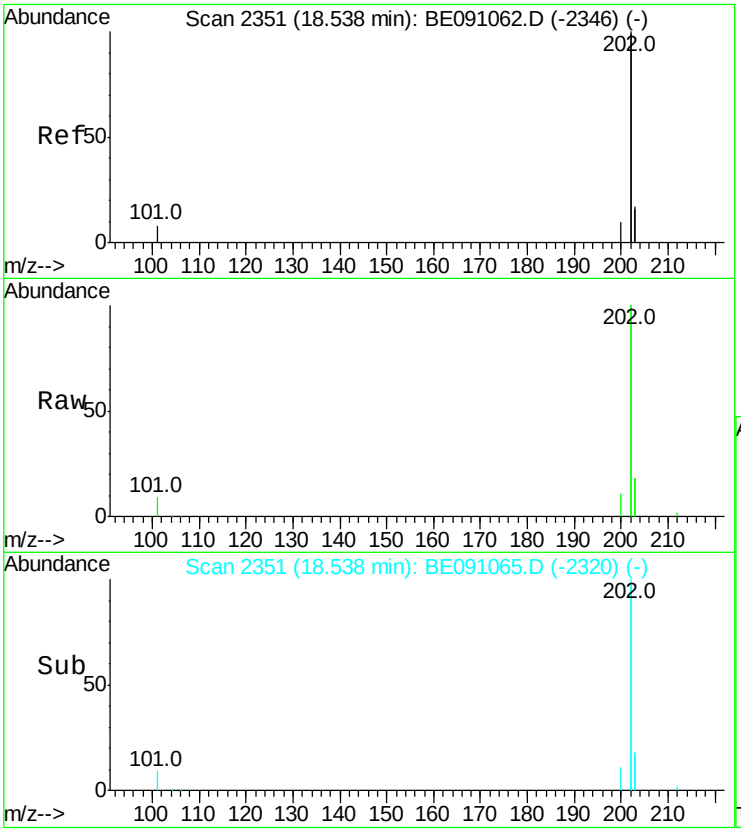


#17
Fluoranthene
Concen: 15.64 ng/ul m
RT: 18.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:202 Resp: 7413771

Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	33.1
203	19.2	0.0	37.2

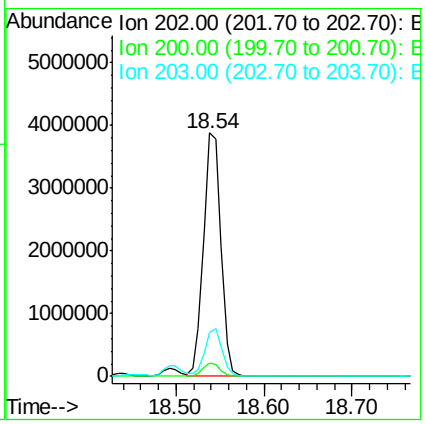




#19
Pyrene
Concen: 12.25 ng/ul
RT: 18.54 min Scan# 2351
Delta R.T. 0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:202 Resp: 5330066

Ion	Ratio	Lower	Upper
202	100		
200	5.7	18.0	27.0#
203	18.0	13.8	20.6



Instrument :
BNA_E
ClientSampleId :
C0AN7

Manual Integrations APPROVED
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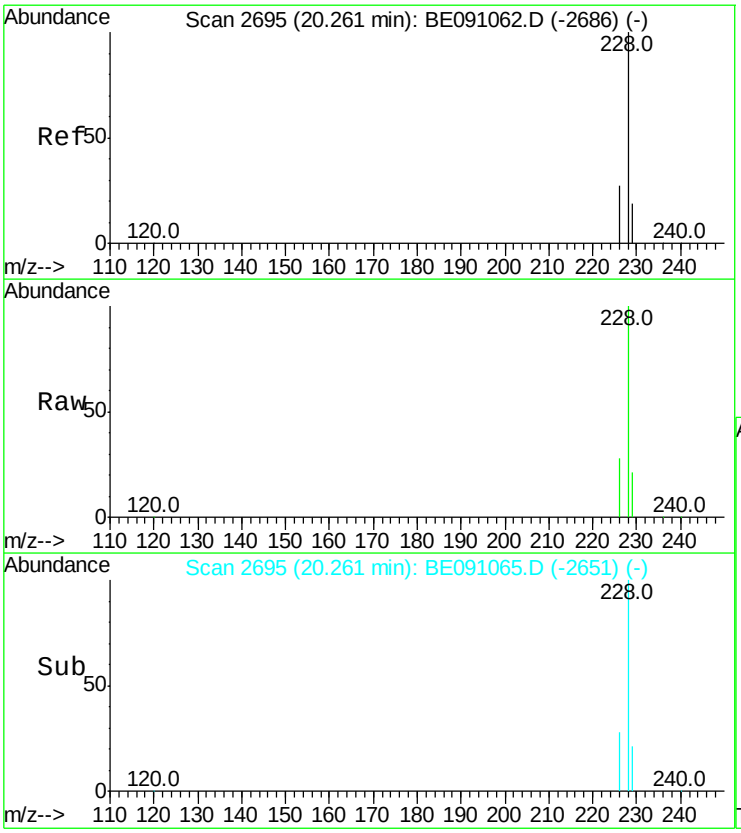
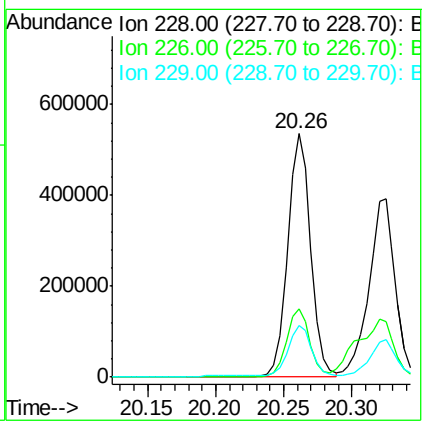
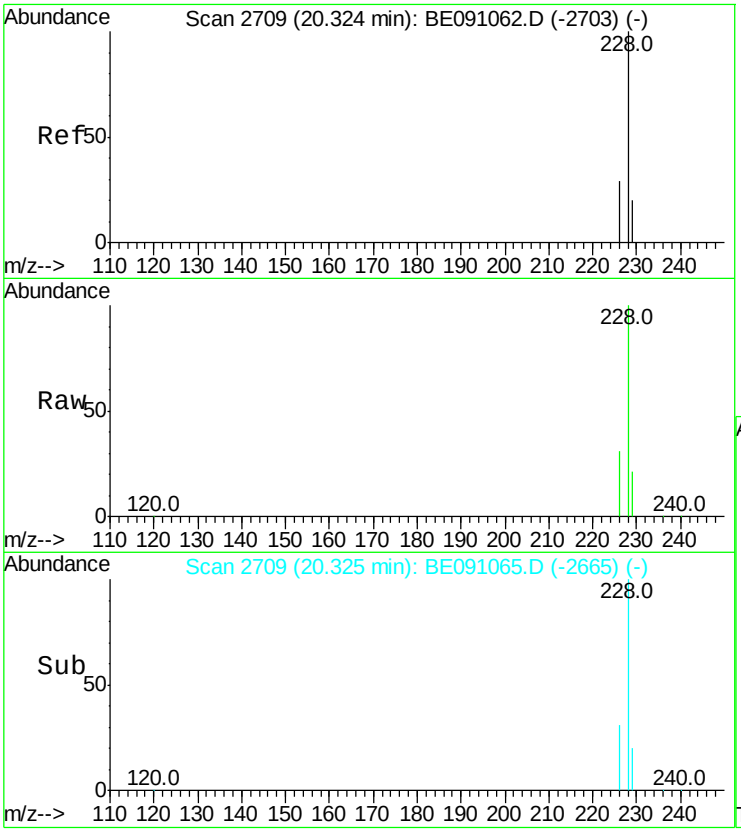


#20
Benzo(a)anthracene
Concen: 6.31 ng/ul
RT: 20.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:228 Resp: 620613

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.0	34.4
229	21.0	15.2	22.8

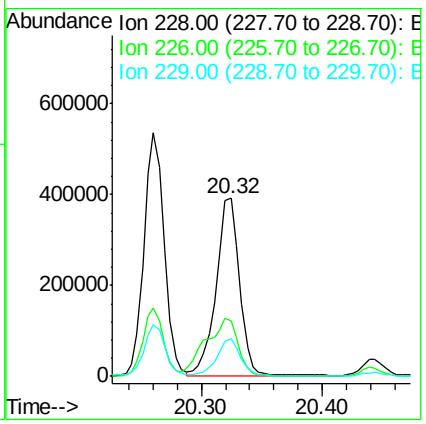




#21
Chrysene
Concen: 4.67 ng/ul
RT: 20.32 min Scan# 2709
Delta R.T. 0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:228 Resp: 529152

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.7	38.5
229	21.0	15.2	22.8



Instrument :
BNA_E
ClientSampleId :
C0AN7

Manual Integrations APPROVED
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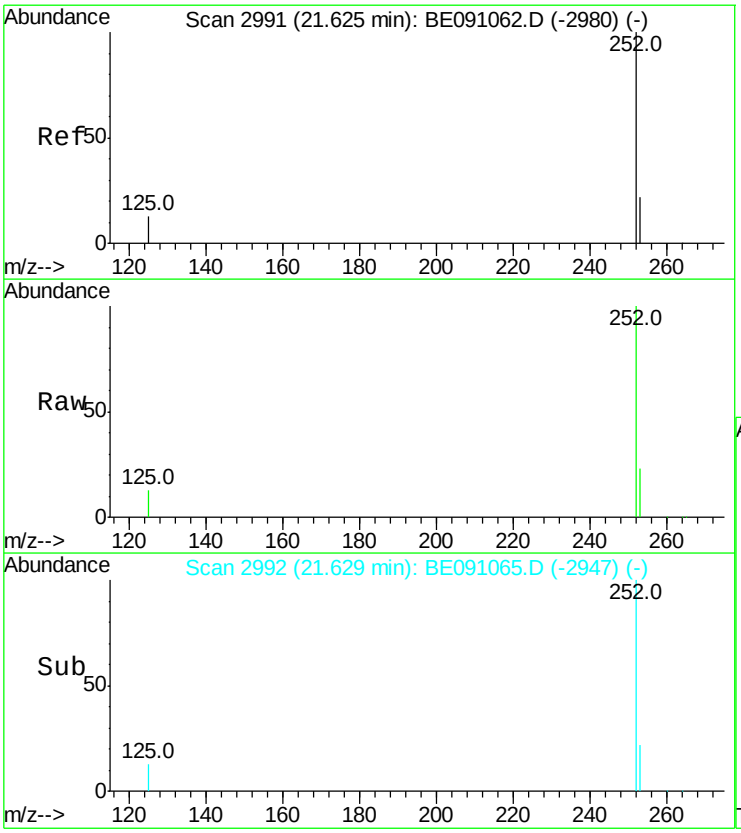
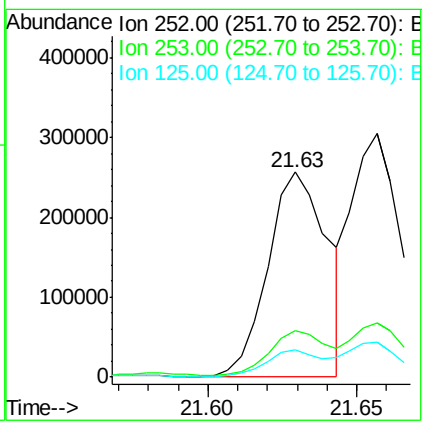
11/6/2015 3:45:12 PM

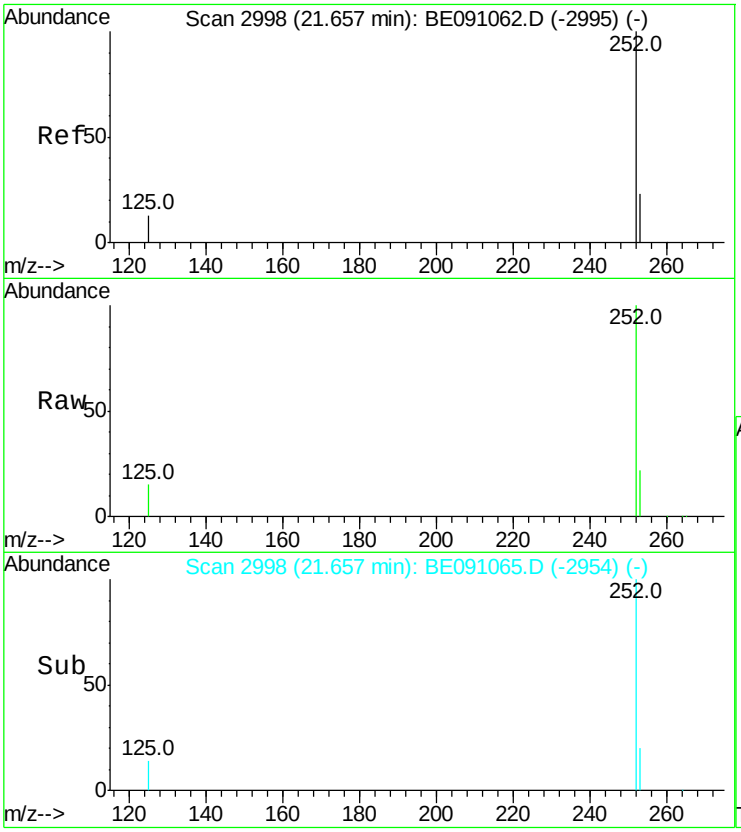


#23
Benzo(b)fluoranthene
Concen: 2.49 ng/ul
RT: 21.63 min Scan# 2992
Delta R.T. 0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:252 Resp: 352253

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	48.0
125	13.1	0.0	36.6

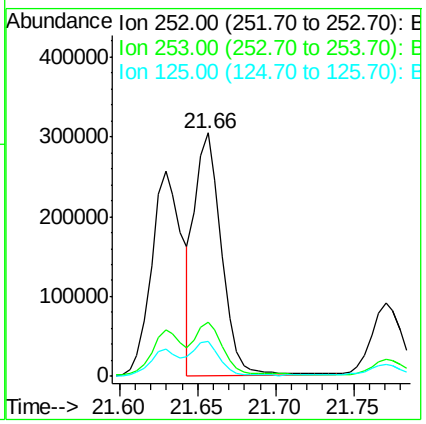




#24
Benzo(k)fluoranthene
Concen: 2.50 ng/ul
RT: 21.66 min Scan# 2998
Delta R.T. -0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

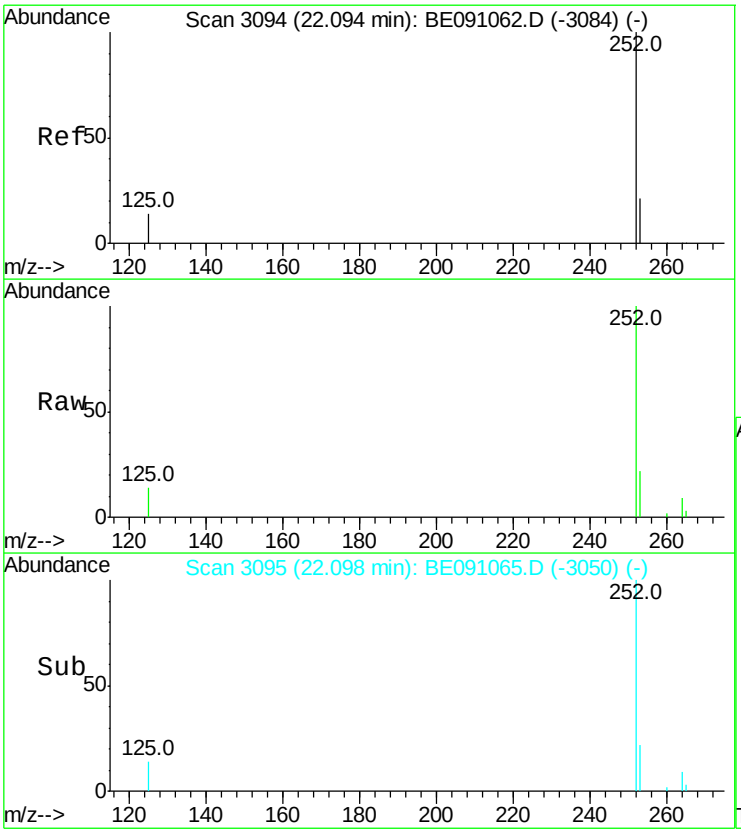
Tgt Ion:252 Resp: 361942

Ion	Ratio	Lower	Upper
252	100		
253	22.4	20.8	31.2
125	14.6	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
C0AN7

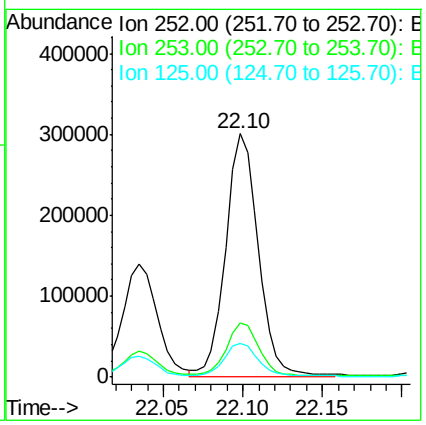
Manual Integrations APPROVED
Mmdadoda
11/6/2015 3:45:12 PM

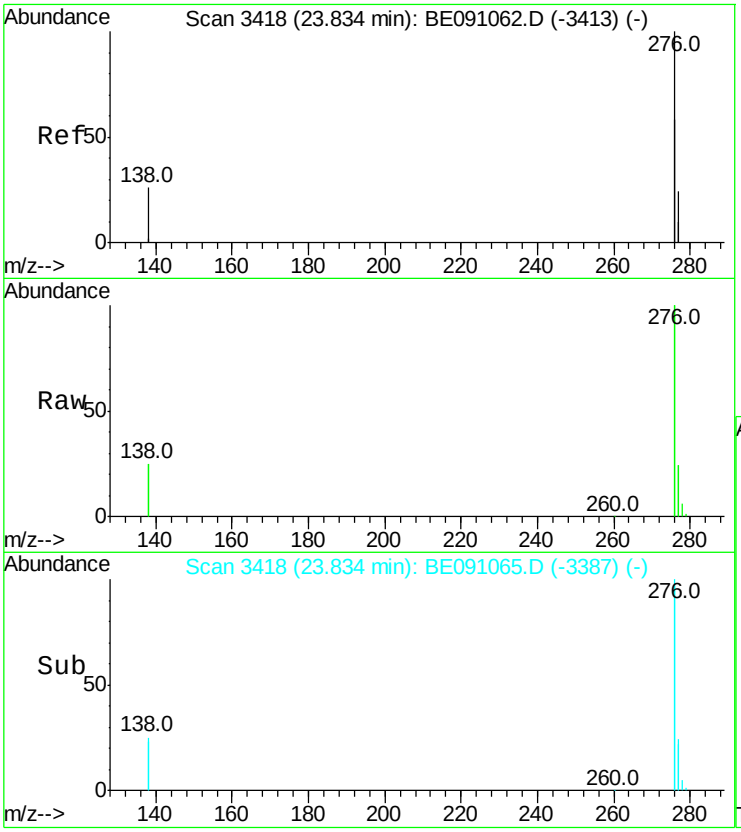


#25
Benzo(a)pyrene
Concen: 3.32 ng/ul m
RT: 22.10 min Scan# 3095
Delta R.T. 0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:252 Resp: 432399

Ion	Ratio	Lower	Upper
252	100		
253	22.5	21.8	32.8
125	14.0	14.5	21.7#





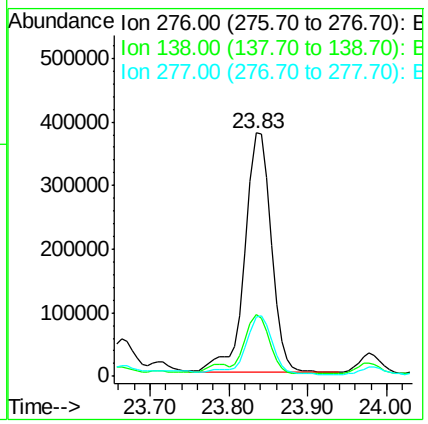
#26
Indeno(1,2,3-cd)pyrene
Concen: 1.57 ng/ul
RT: 23.83 min Scan# 3418
Delta R.T. -0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

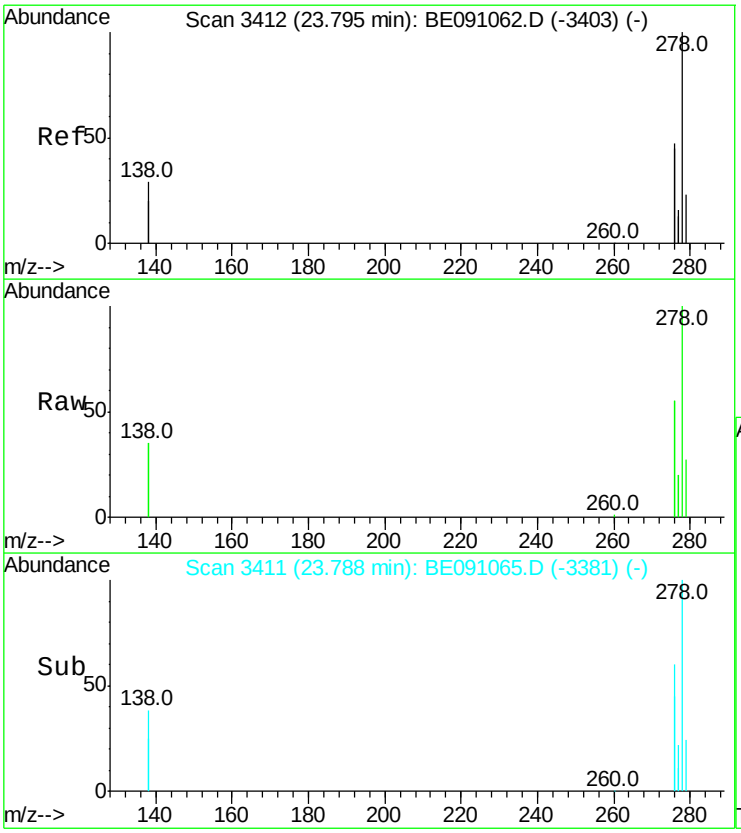
Tgt Ion:276 Resp: 862904

Ion	Ratio	Lower	Upper
276	100		
138	22.9	27.5	41.3#
277	24.9	19.3	28.9

Instrument :
BNA_E
ClientSampleId :
C0AN7

Manual Integrations APPROVED
Mmdadoda
11/6/2015 3:45:12 PM

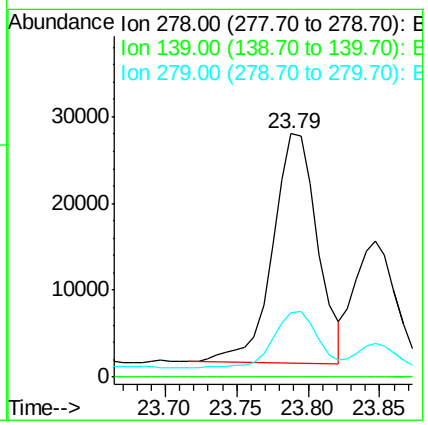


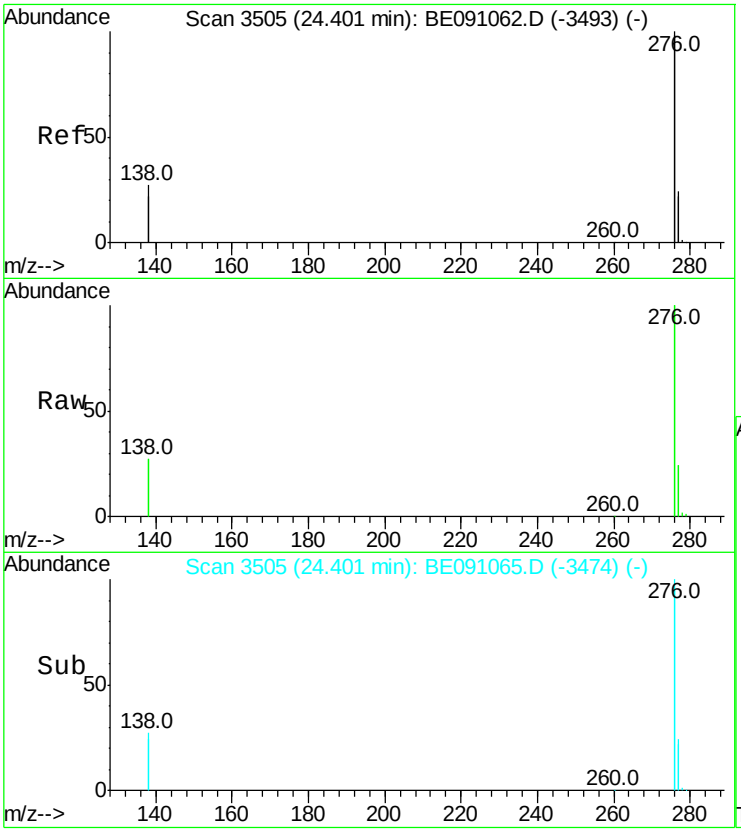


#27
Dibenzo(a,h)anthracene
Concen: 0.44 ng/ul
RT: 23.79 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:278 Resp: 57687

Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	26.6	21.9	32.9

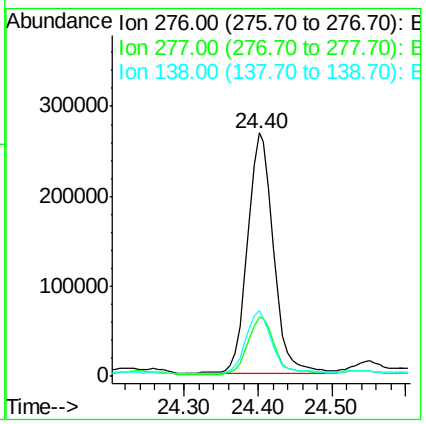




#28
Benzo(g,h,i)perylene
Concen: 1.13 ng/ul
RT: 24.40 min Scan# 3505
Delta R.T. -0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:276 Resp: 653004

Ion	Ratio	Lower	Upper
276	100		
277	24.4	21.3	31.9
138	27.0	25.5	38.3



Instrument :
BNA_E
ClientSampleId :
C0AN7

Manual Integrations APPROVED
Mmdadoda
11/6/2015 3:45:12 PM