Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091067.D
Acq On : 5 Nov 2015 13:18
Operator : UM/NP
Sample : G4273-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : C0AN9

Manual Integrations APPROVED
Mmdadoda
11/6/2015 3:45:14 PM

Quant Time: Nov 06 06:10:22 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	4512	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	24599	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	14550	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	32836m	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	34535	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	48217m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.92	96	25310	7.80	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	9758	0.29	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	29619m	0.32	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	9.62	128	21297	0.35	ng/ul	99
7) 2-Methylnaphthalene	11.15	142	19360	0.49	ng/ul	98
9) Acenaphthylene	13.14	152	30279	0.42	ng/ul	98
10) Acenaphthene	13.46	153	172937	3.48	ng/ul	93
11) Fluorene	14.45	166	195368	3.06	ng/ul	90
14) Phenanthrene	16.17	178	1750895m	4.62	ng/ul	
15) Anthracene	16.24	178	1516698	4.40	ng/ul	97
17) Fluoranthene	18.15	202	3561248m	8.03	ng/ul	
19) Pyrene	18.54	202	2587416	6.59	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	306333	3.45	ng/ul	96
21) Chrysene	20.32	228	346673	3.39	ng/ul	99
23) Benzo(b)fluoranthene	21.63	252	153668	1.02	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	180760m	1.17	ng/ul	
25) Benzo(a)pyrene	22.10	252	204453m	1.47	ng/ul	
26) Indeno(1,2,3-cd)pyrene	23.84	276	371842m	0.64	ng/ul	
27) Dibenzo(a,h)anthracene	23.79	278	27904m	0.20	ng/ul	
28) Benzo(g,h,i)perylene	24.40	276	347485m	0.57	ng/ul	

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091067.D
Acq On : 5 Nov 2015 13:18
Operator : UM/NP
Sample : G4273-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 06:10:22 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 :
C0AN9

Manual Integrations APPROVED
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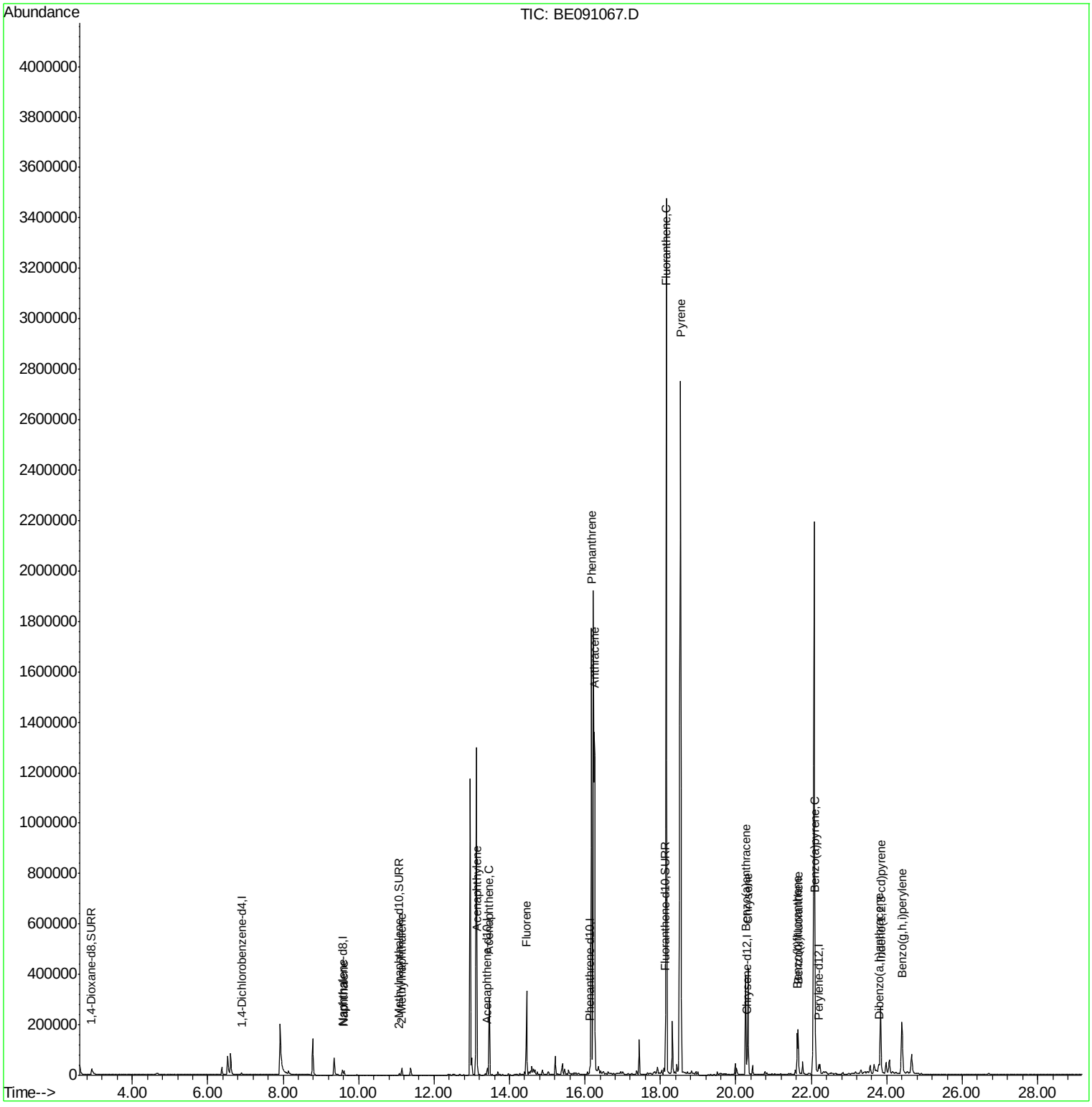
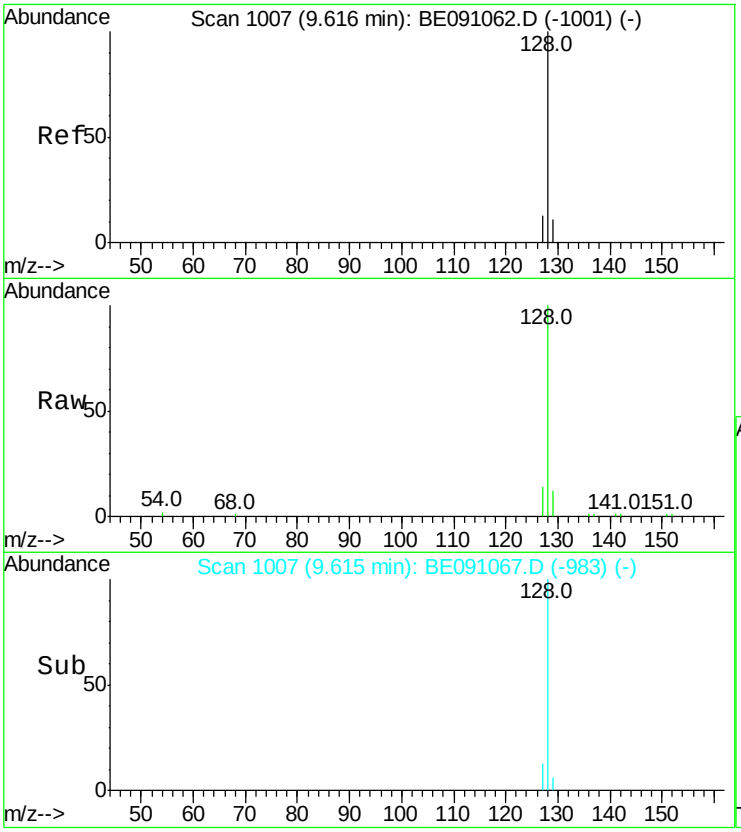
11/6/2015 3:45:14 PM

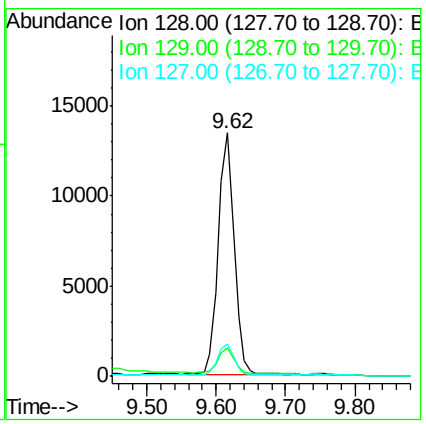




#5
Naphthalene
Concen: 0.35 ng/ul
RT: 9.62 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:128 Resp: 21297

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.8	14.8
127	13.5	10.7	16.1



Instrument :
BNA_E
ClientSampleId :
C0AN9

Manual Integrations APPROVED
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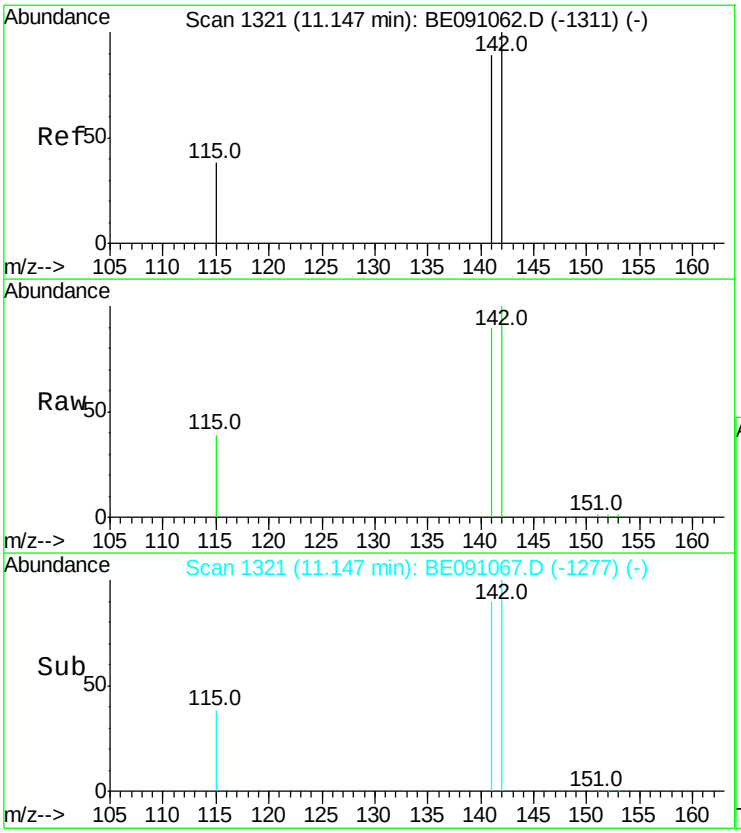
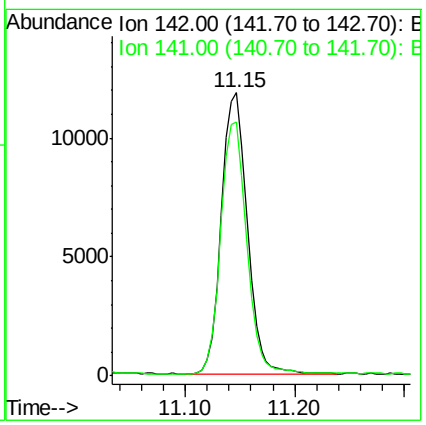
11/6/2015 3:45:14 PM

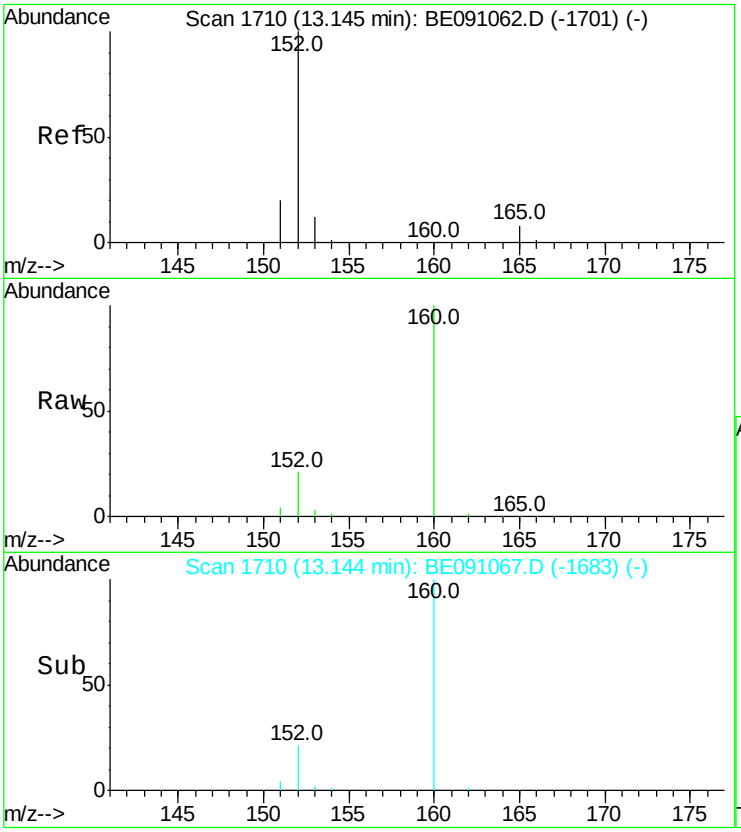


#7
2-Methylnaphthalene
Concen: 0.49 ng/ul
RT: 11.15 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:142 Resp: 19360

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5

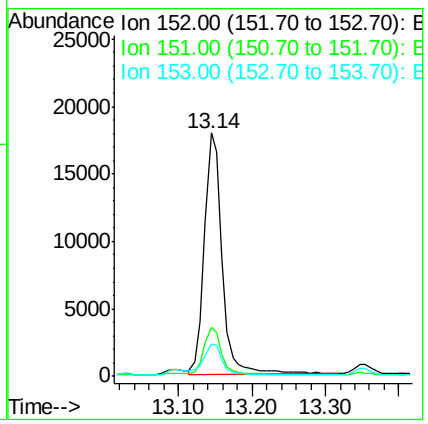




#9
Acenaphthylene
Concen: 0.42 ng/ul
RT: 13.14 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:152 Resp: 30279

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	13.3	11.3	16.9



Instrument :
BNA_E
ClientSampleId :
C0AN9

Manual Integrations APPROVED
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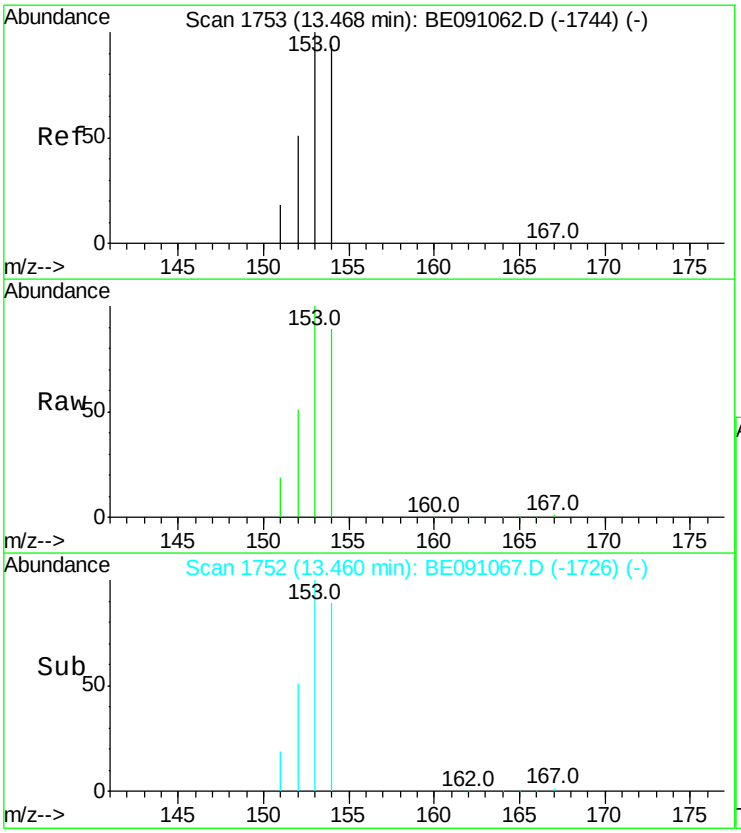
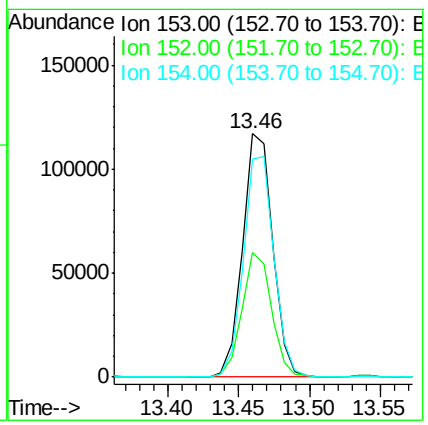
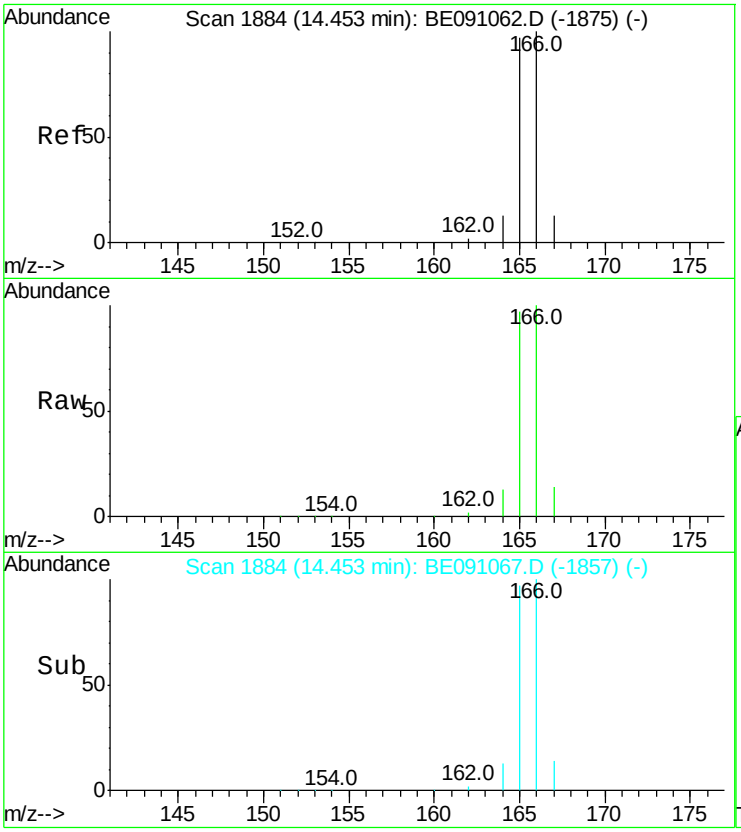


#10
Acenaphthene
Concen: 3.48 ng/ul
RT: 13.46 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:153 Resp: 172937

Ion	Ratio	Lower	Upper
153	100		
152	51.2	42.3	63.5
154	89.3	64.7	97.1

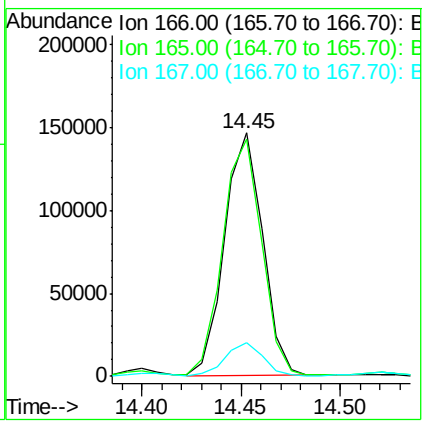




#11
Fluorene
Concen: 3.06 ng/ul
RT: 14.45 min Scan# 1884
Delta R.T. -0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:166 Resp: 195368

Ion	Ratio	Lower	Upper
166	100		
165	97.5	87.6	131.4
167	13.8	11.1	16.7



Instrument :
BNA_E
ClientSampleId :
C0AN9

Manual Integrations APPROVED
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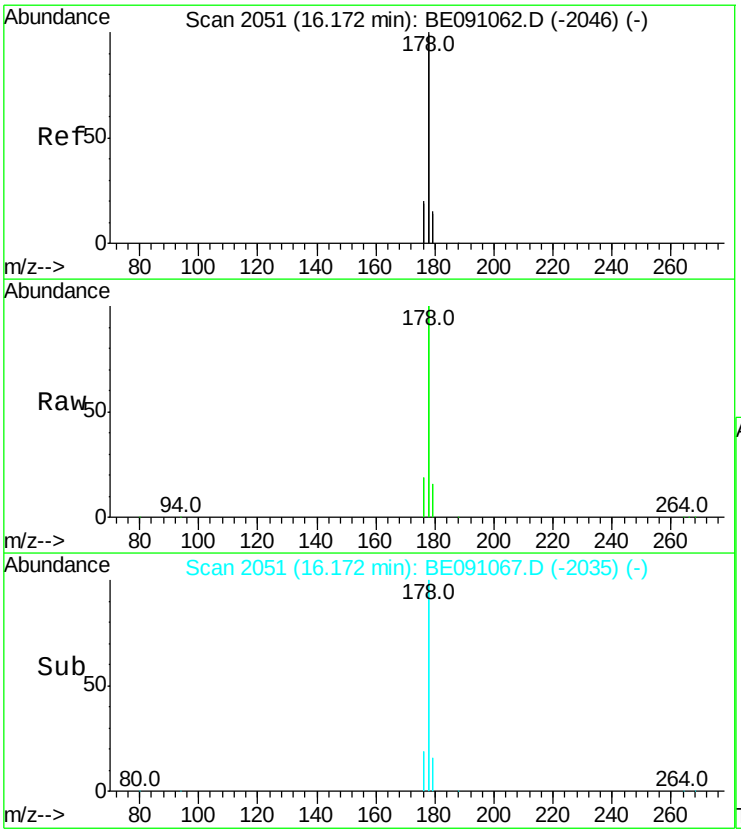
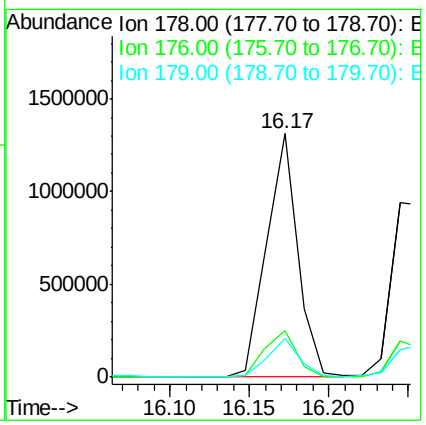
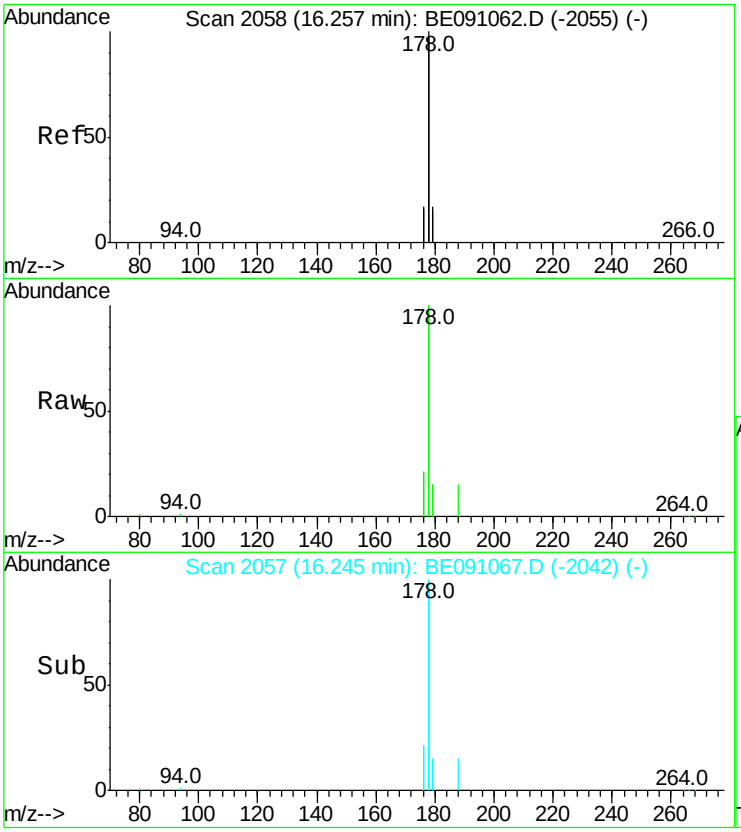


#14
Phenanthrene
Concen: 4.62 ng/ul m
RT: 16.17 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:178 Resp: 1750895

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	16.1	12.8	19.2

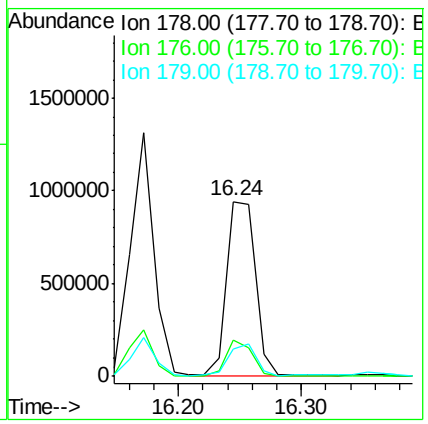




#15
Anthracene
Concen: 4.40 ng/ul
RT: 16.24 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:178 Resp: 1516698

Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.8	23.8
179	15.4	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
C0AN9

Manual Integrations APPROVED
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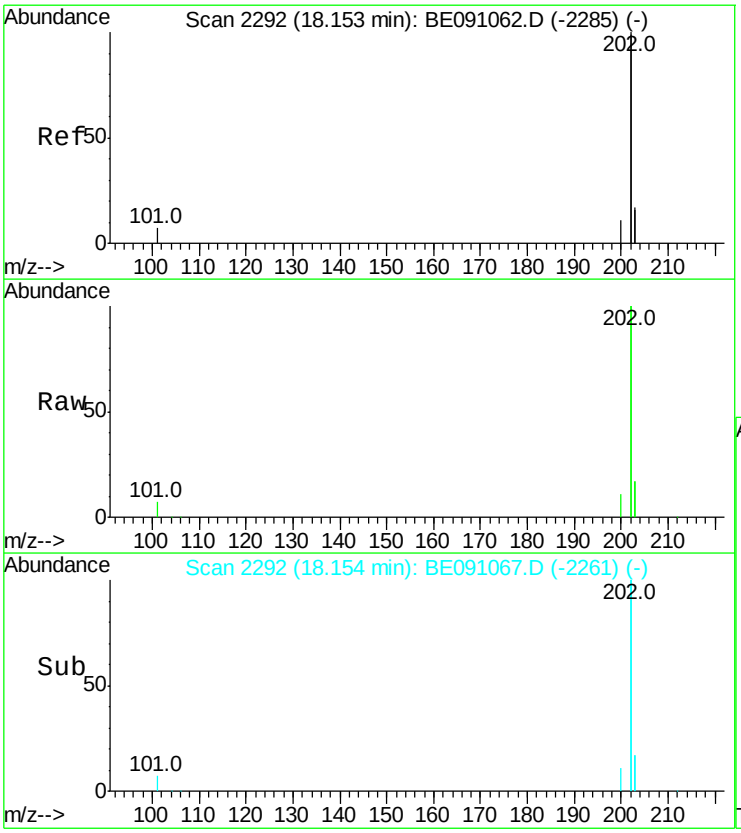
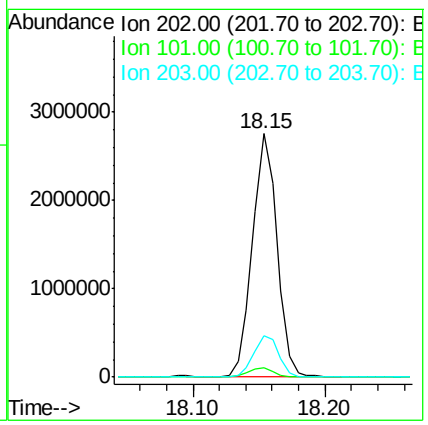
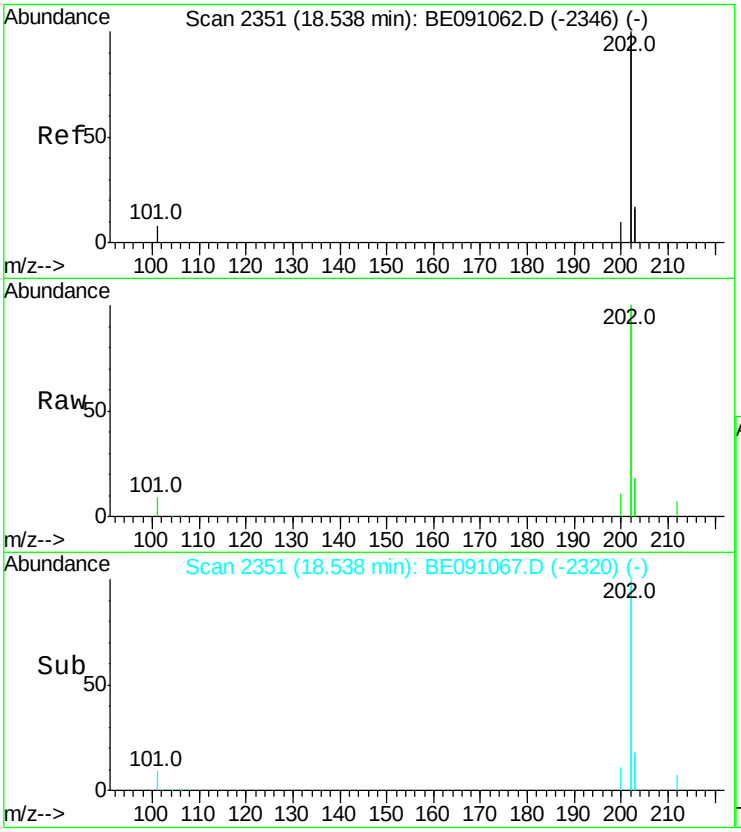


#17
Fluoranthene
Concen: 8.03 ng/ul m
RT: 18.15 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:202 Resp: 3561248

Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	33.1
203	17.1	0.0	37.2

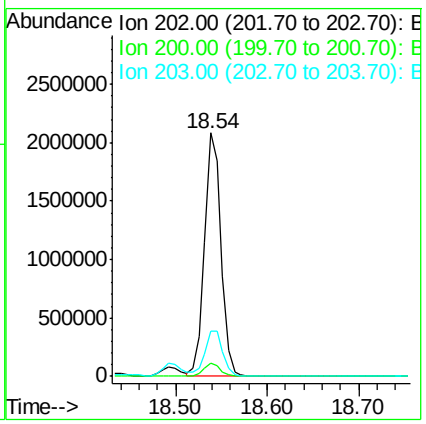




#19
Pyrene
Concen: 6.59 ng/ul
RT: 18.54 min Scan# 2351
Delta R.T. 0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:202 Resp: 2587416

Ion	Ratio	Lower	Upper
202	100		
200	5.5	18.0	27.0#
203	18.4	13.8	20.6



Instrument :
BNA_E
ClientSampleId :
C0AN9

Manual Integrations APPROVED
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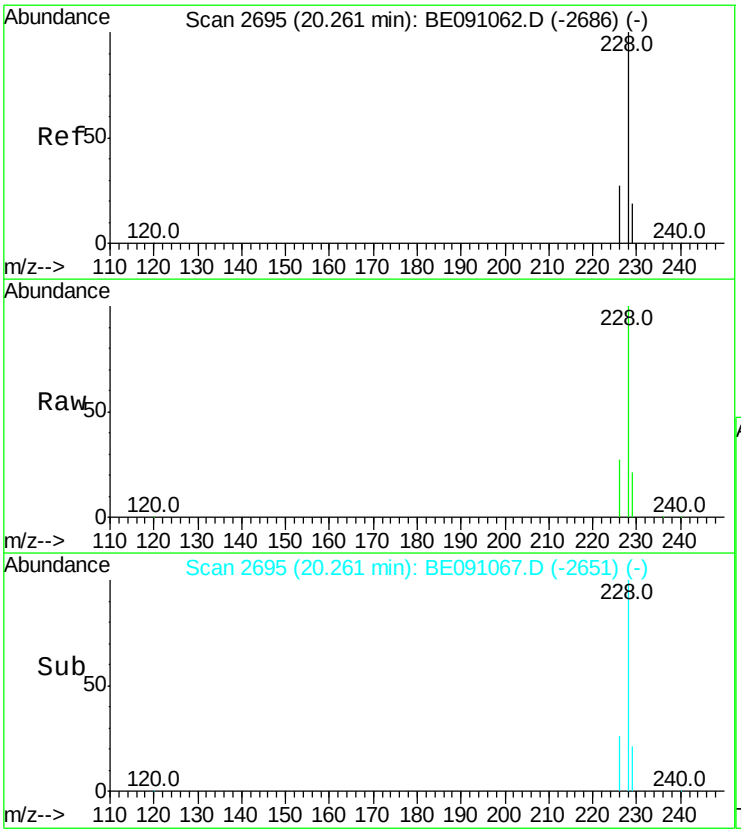
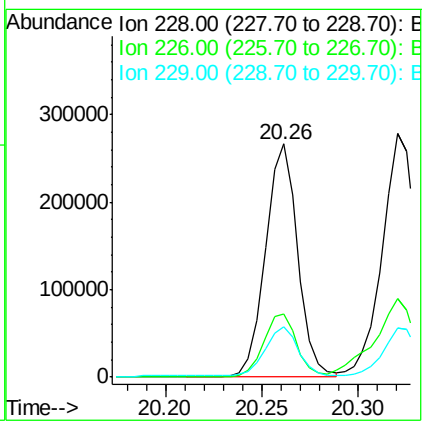
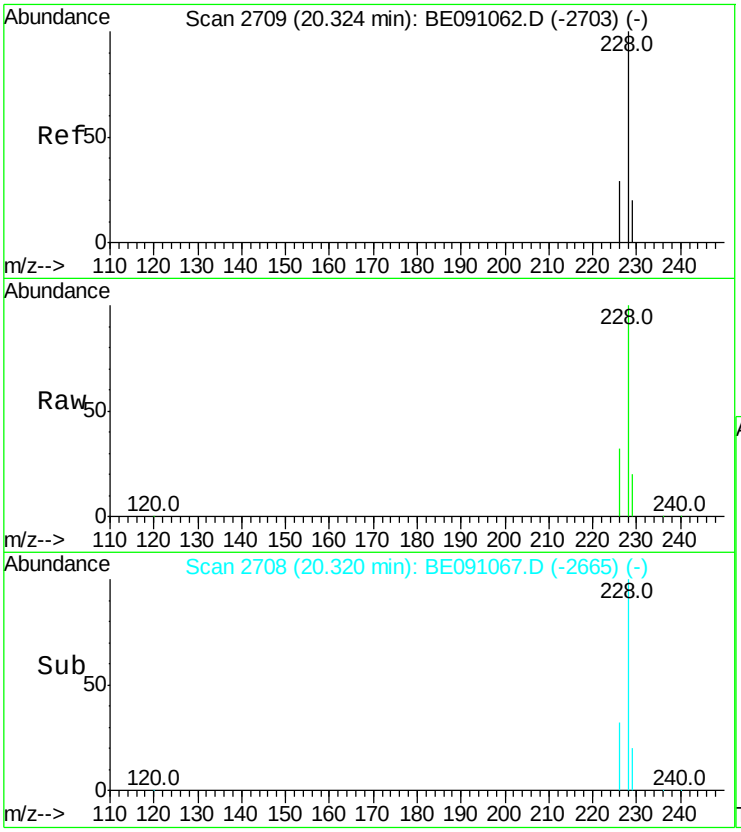


#20
Benzo(a)anthracene
Concen: 3.45 ng/ul
RT: 20.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:228 Resp: 306333

Ion	Ratio	Lower	Upper
228	100		
226	26.8	23.0	34.4
229	21.4	15.2	22.8

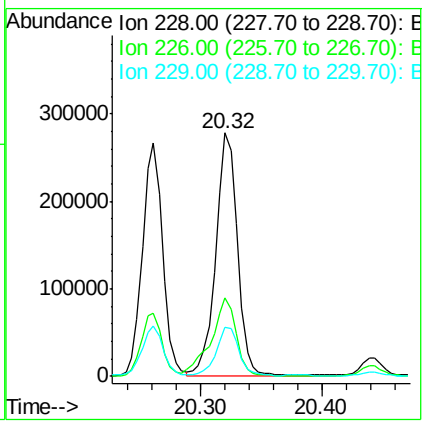




#21
Chrysene
Concen: 3.39 ng/ul
RT: 20.32 min Scan# 2708
Delta R.T. -0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:228 Resp: 346673

Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.7	38.5
229	20.1	15.2	22.8



Instrument :
BNA_E
ClientSampleId :
C0AN9

Manual Integrations APPROVED
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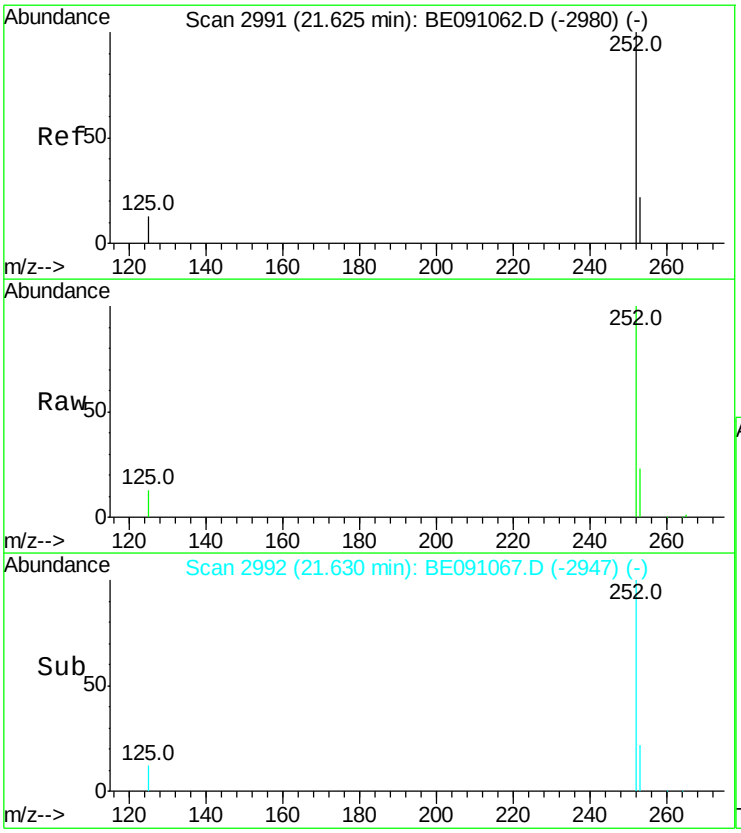
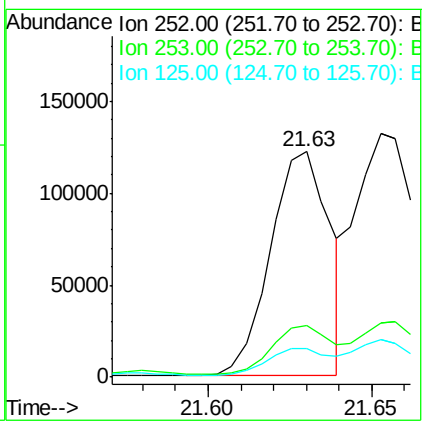
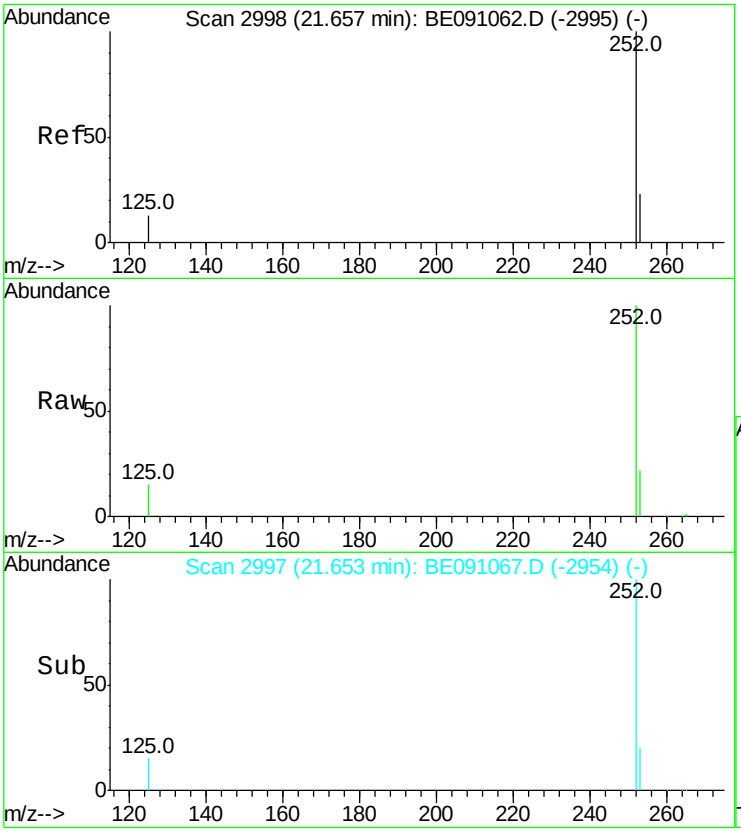


#23
Benzo(b)fluoranthene
Concen: 1.02 ng/ul
RT: 21.63 min Scan# 2992
Delta R.T. 0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:252 Resp: 153668

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	48.0
125	12.7	0.0	36.6

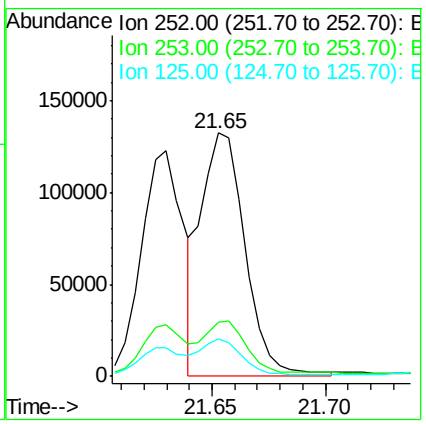




#24
Benzo(k)fluoranthene
Concen: 1.17 ng/ul m
RT: 21.65 min Scan# 2997
Delta R.T. -0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:252 Resp: 180760

Ion	Ratio	Lower	Upper
252	100		
253	22.4	20.8	31.2
125	15.3	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
C0AN9

Manual Integrations APPROVED
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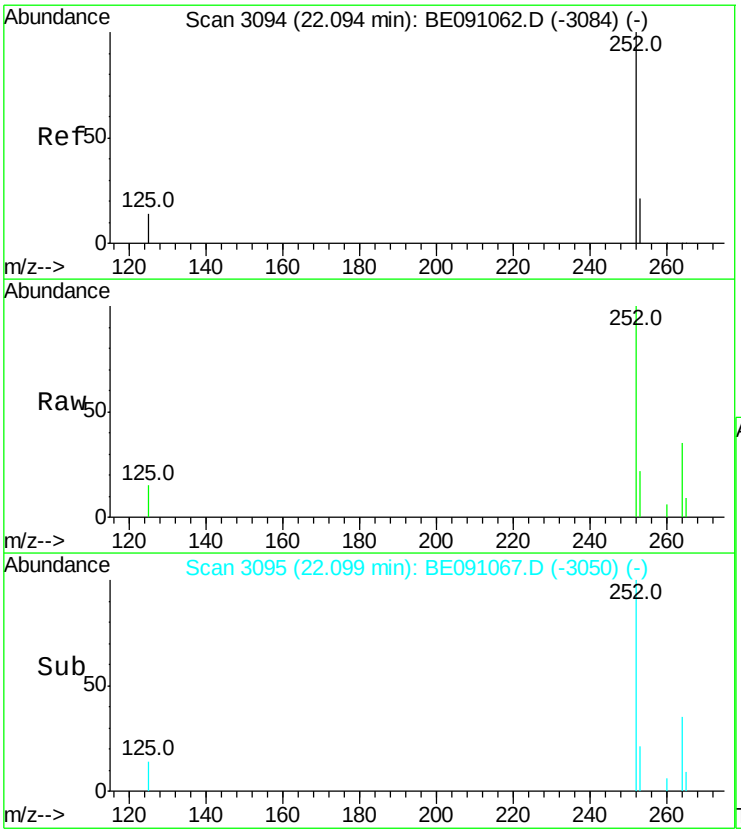
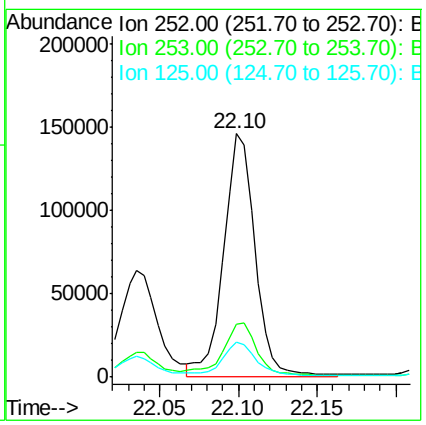
11/6/2015 3:45:14 PM

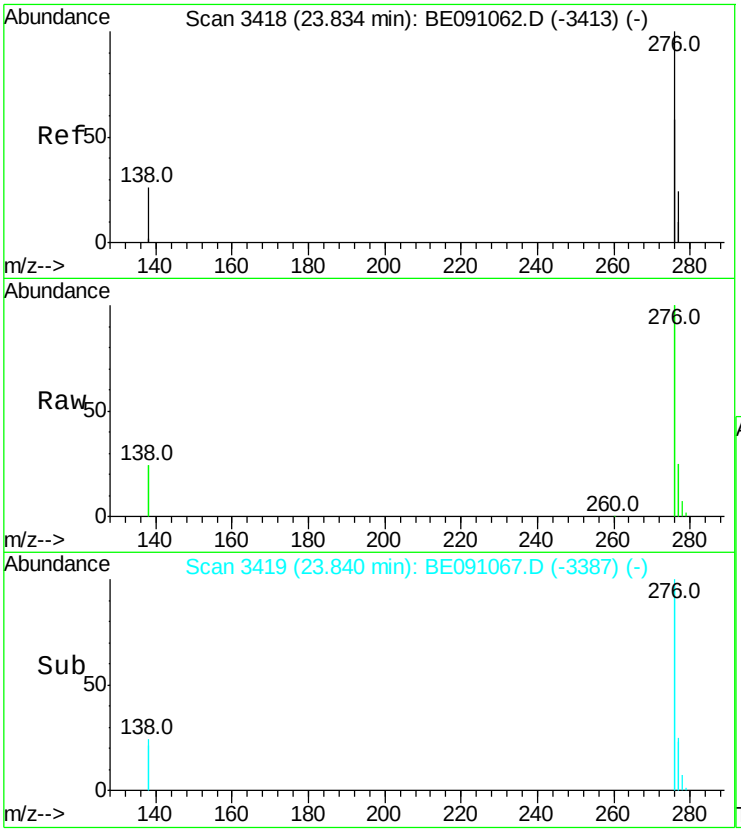


#25
Benzo(a)pyrene
Concen: 1.47 ng/ul m
RT: 22.10 min Scan# 3095
Delta R.T. 0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:252 Resp: 204453

Ion	Ratio	Lower	Upper
252	100		
253	22.0	21.8	32.8
125	14.5	14.5	21.7





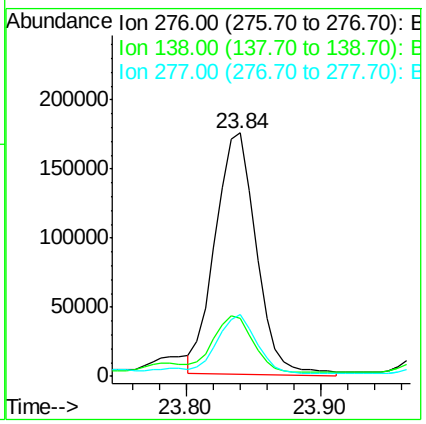
#26
Indeno(1,2,3-cd)pyrene
Concen: 0.64 ng/ul m
RT: 23.84 min Scan# 3419
Delta R.T. 0.01 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

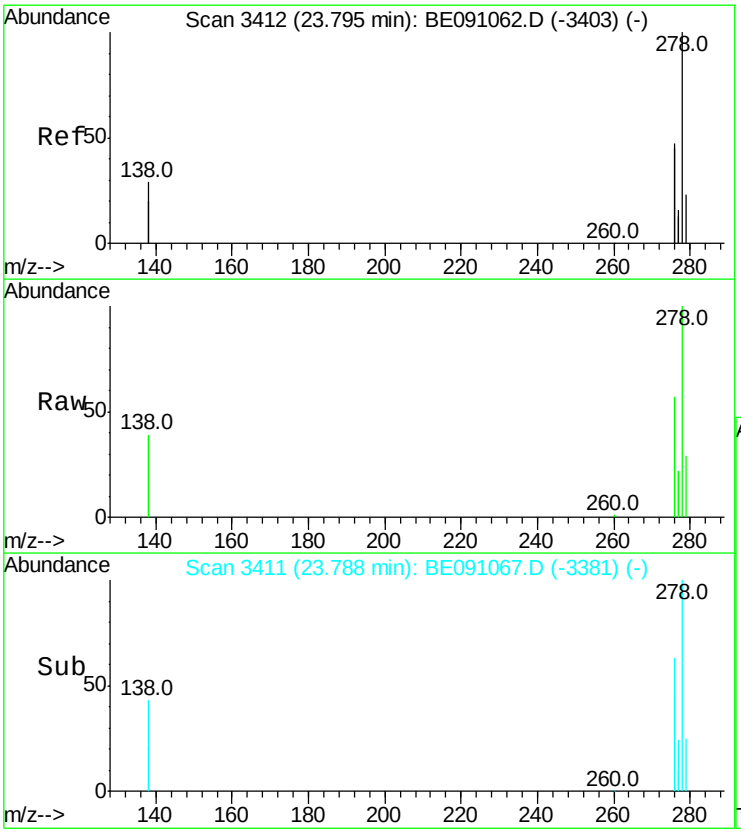
Tgt Ion:276 Resp: 371842

Ion	Ratio	Lower	Upper
276	100		
138	5.2	27.5	41.3#
277	5.4	19.3	28.9#

Instrument :
BNA_E
ClientSampleId :
C0AN9

Manual Integrations APPROVED
Mmdadoda
11/6/2015 3:45:14 PM

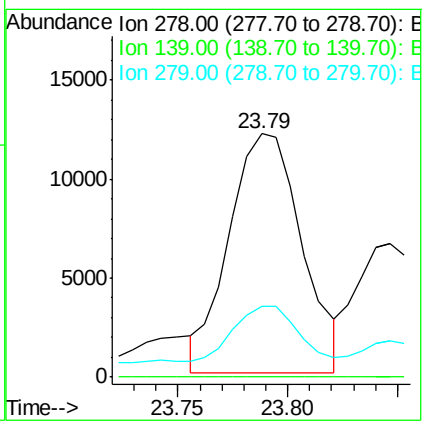


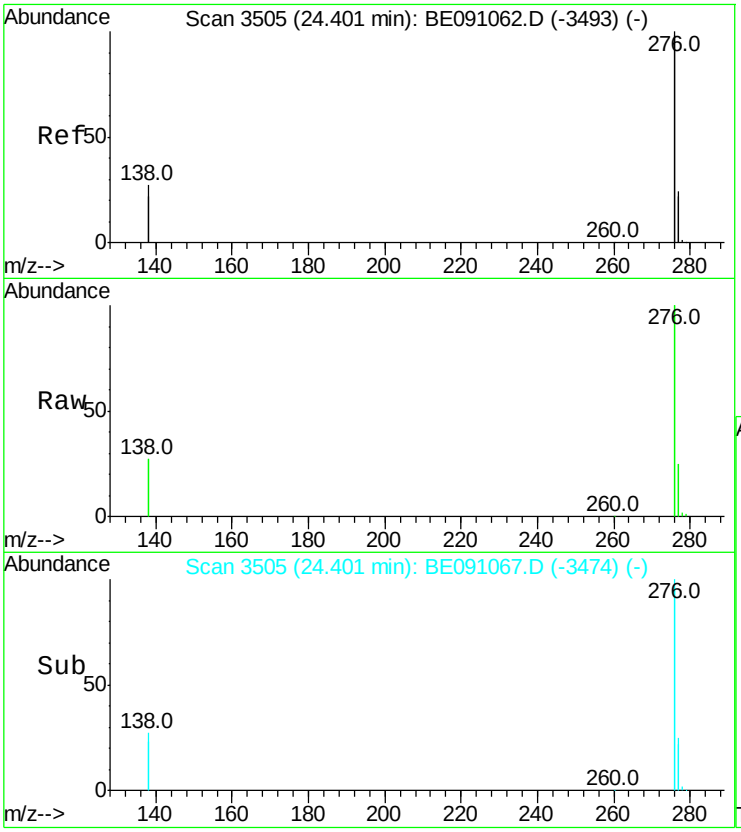


#27
Dibenzo(a,h)anthracene
Concen: 0.20 ng/ul m
RT: 23.79 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:278 Resp: 27904

Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	29.0	21.9	32.9

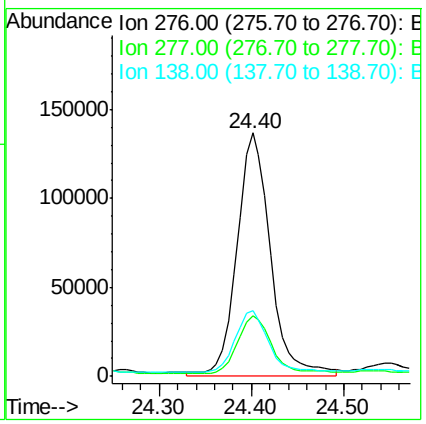




#28
Benzo(g,h,i)perylene
Concen: 0.57 ng/ul m
RT: 24.40 min Scan# 3505
Delta R.T. -0.00 min
Lab File: BE091067.D
Acq: 5 Nov 2015 13:18

Tgt Ion:276 Resp: 347485

Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.3	31.9
138	26.8	25.5	38.3



Instrument :
BNA_E
ClientSampleId :
C0AN9

Manual Integrations APPROVED
Mmdadoda
11/6/2015 3:45:14 PM