Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111515\
Data File : BE091168.D
Acq On : 15 Nov 2015 12:14
Operator : UM/NP
Sample : G4322-08DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : A4HR9DL

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:27:08 PM

Quant Time: Nov 16 06:36:05 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	4435	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.59	136	22404	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.39	164	13520	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.10	188	36958	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	66094	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	60437	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.19	96	1823m	0.57	ng/uL	0.10
6) 2-Methylnaphthalene-d10	11.12	152	375	0.01	ng/ul	0.03
16) Fluoranthene-d10	18.08	212	803	0.01	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	9.62	128	24288	0.44	ng/ul	99
11) Fluorene	14.43	166	1847	0.03	ng/ul#	90
14) Phenanthrene	16.14	178	189771	0.44	ng/ul	97
15) Anthracene	16.22	178	43272m	0.11	ng/ul	
17) Fluoranthene	18.11	202	236739	0.47	ng/ul	87
19) Pyrene	18.49	202	346007	0.46	ng/ul#	79
20) Benzo(a)anthracene	20.21	228	36036	0.21	ng/ul	95
21) Chrysene	20.27	228	40156	0.21	ng/ul	96
23) Benzo(b)fluoranthene	21.57	252	19674	0.10	ng/ul	95
24) Benzo(k)fluoranthene	21.59	252	25200	0.13	ng/ul#	94
25) Benzo(a)pyrene	22.02	252	29962	0.17	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	23.72	276	56295	0.08	ng/ul#	89
27) Dibenzo(a,h)anthracene	23.68	278	5453	0.03	ng/ul#	66
28) Benzo(g,h,i)perylene	24.28	276	62159	0.08	ng/ul	96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111515\
Data File : BE091168.D
Acq On : 15 Nov 2015 12:14
Operator : UM/NP
Sample : G4322-08DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 16 06:36:05 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A4HR9DL

Manual Integrations APPROVED
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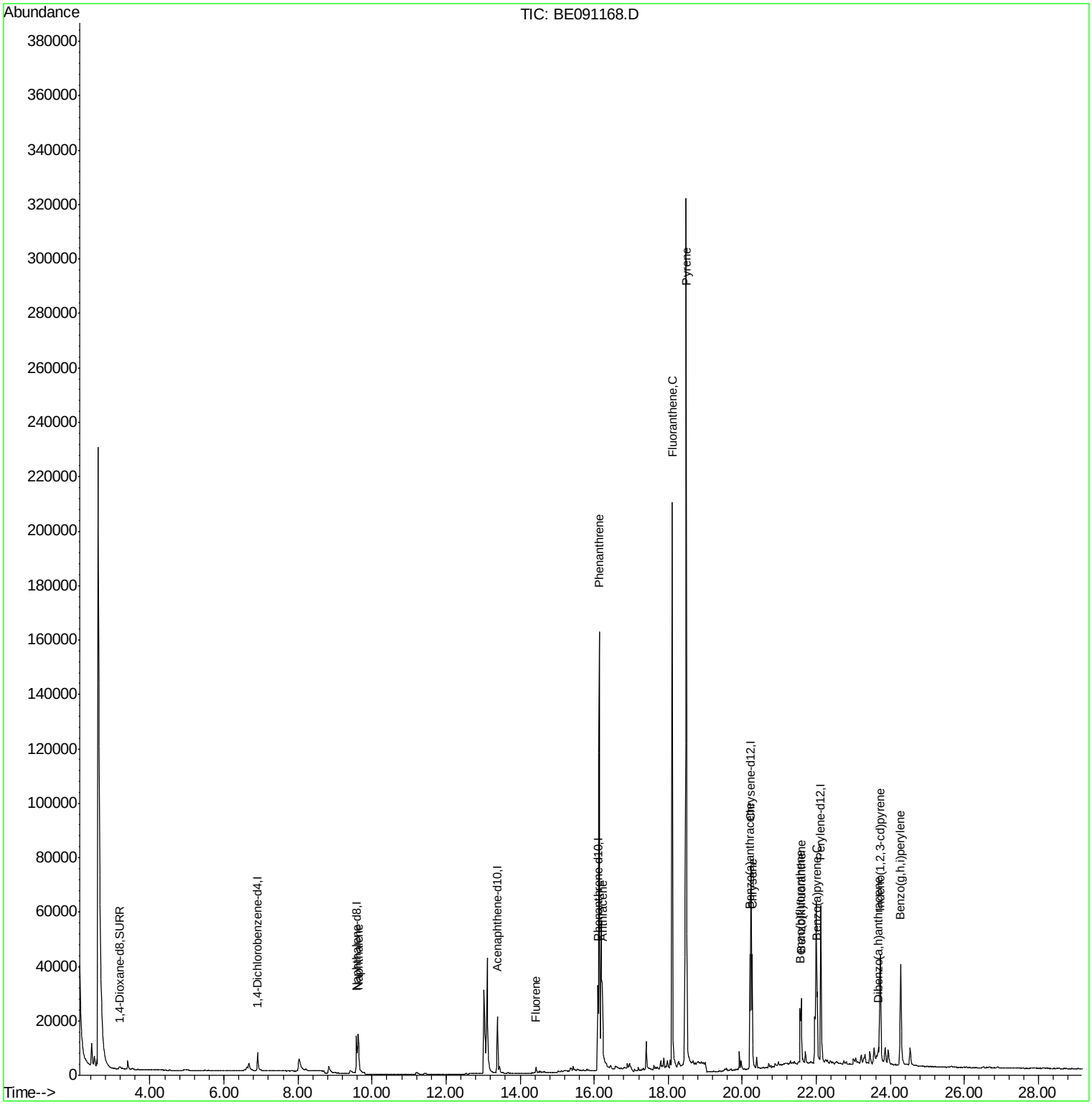
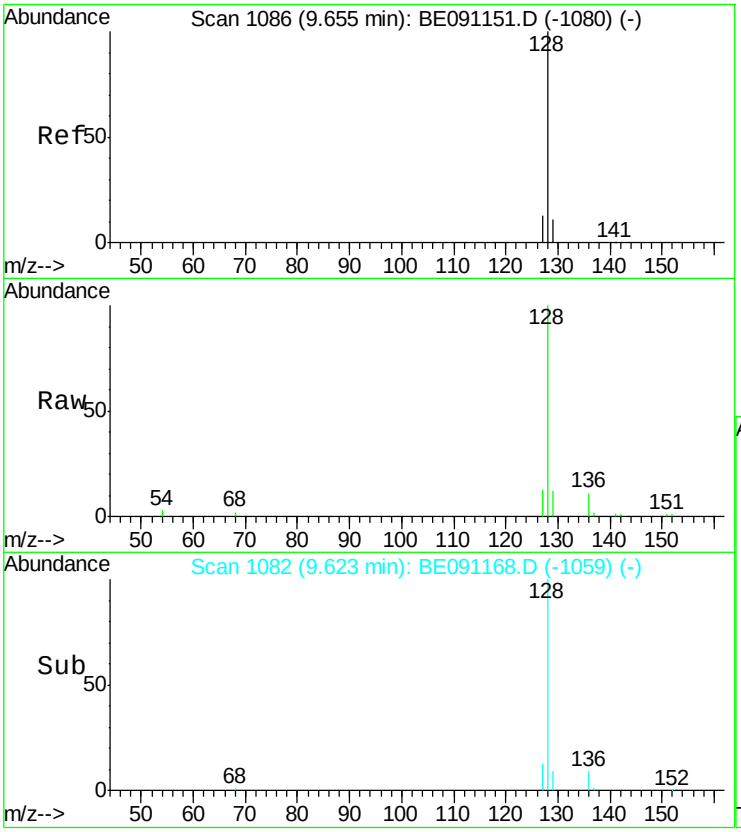
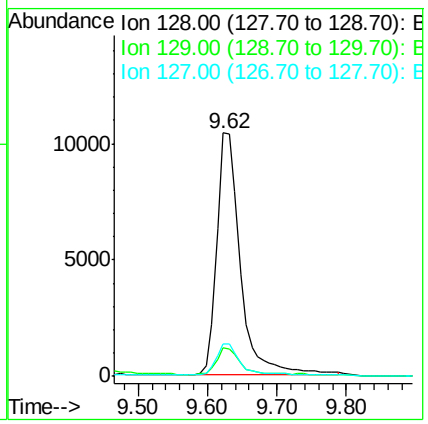




#5
Naphthalene
Concen: 0.44 ng/ul
RT: 9.62 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:128 Resp: 24288

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



Instrument :
BNA_E
ClientSampleId :
A4HR9DL

Manual Integrations APPROVED
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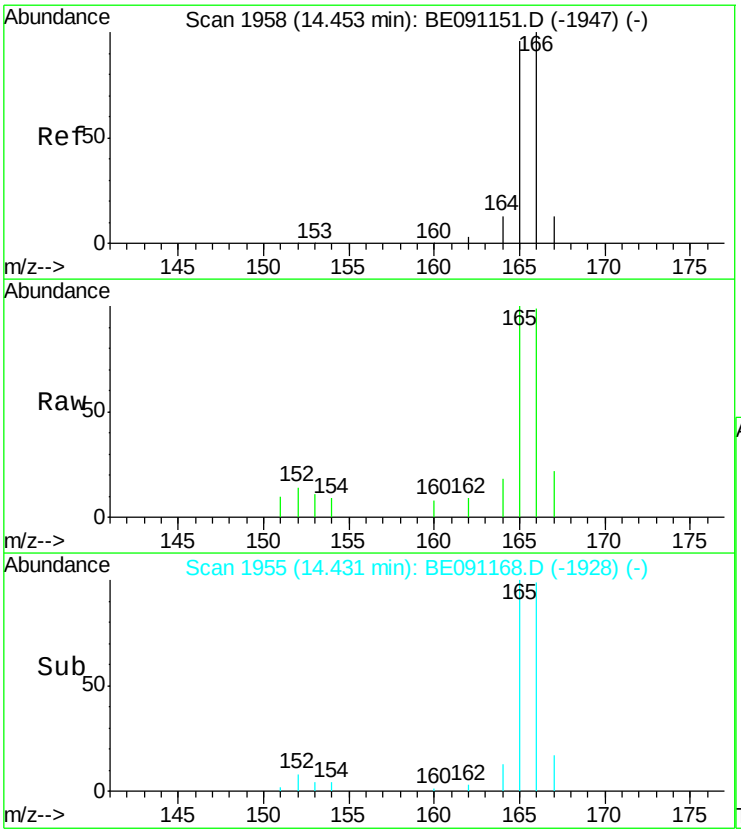
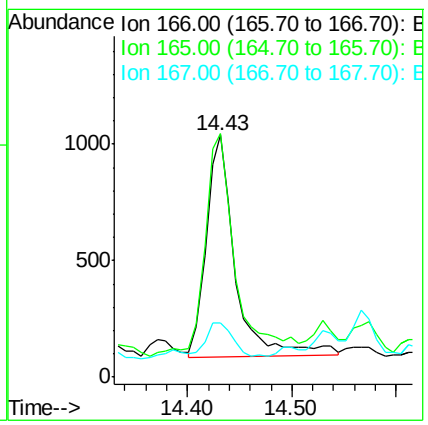
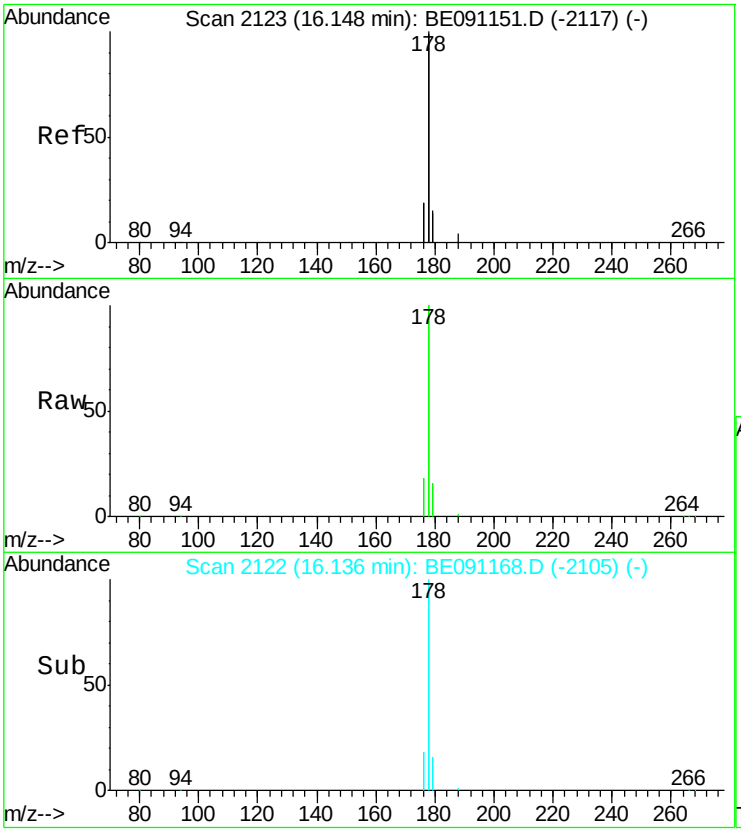


#11
Fluorene
Concen: 0.03 ng/ul
RT: 14.43 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:166 Resp: 1847

Ion	Ratio	Lower	Upper
166	100		
165	100.7	87.6	131.4
167	22.6	11.1	16.7#

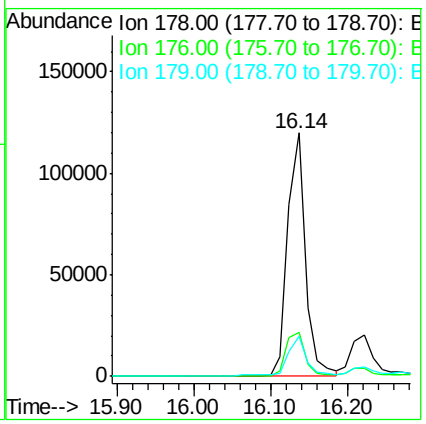




#14
Phenanthrene
Concen: 0.44 ng/ul
RT: 16.14 min Scan# 2122
Delta R.T. 0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:178 Resp: 189771

Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	16.5	12.8	19.2



Instrument :
BNA_E
ClientSampleId :
A4HR9DL

Manual Integrations APPROVED
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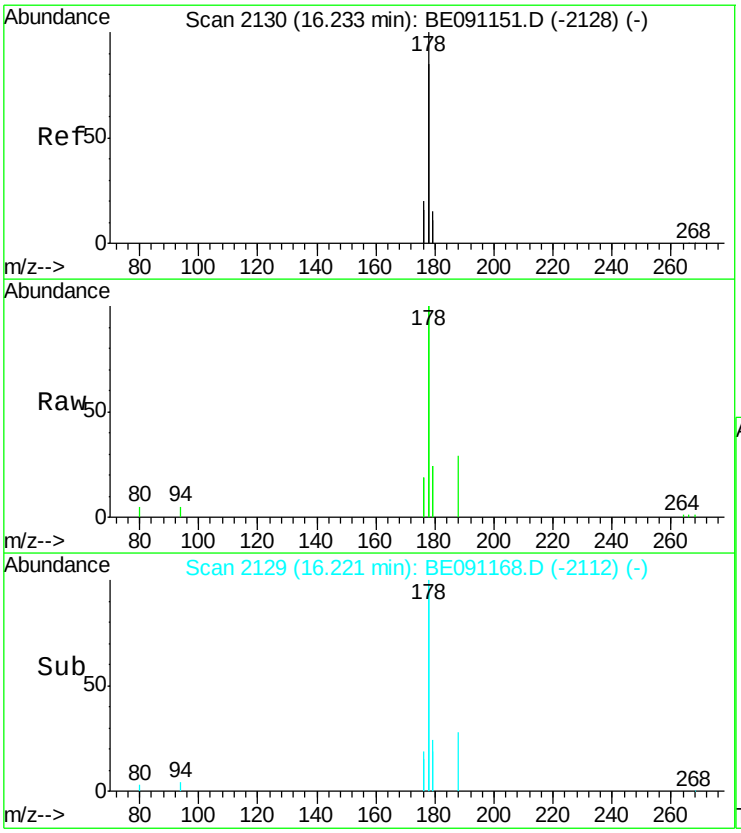
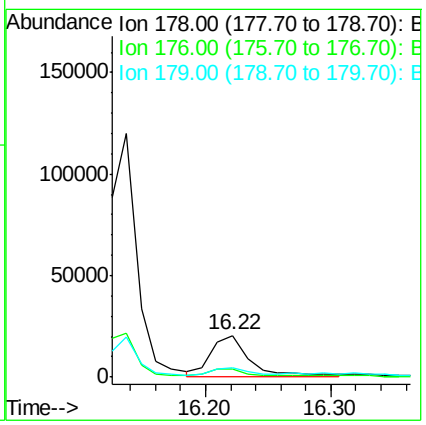
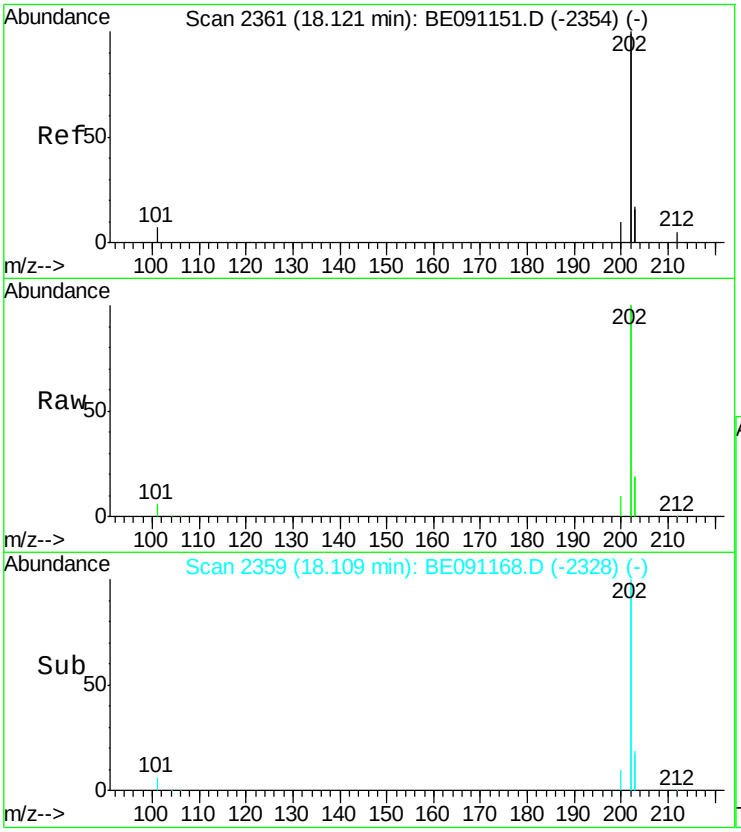


#15
Anthracene
Concen: 0.11 ng/ul m
RT: 16.22 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:178 Resp: 43272

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	23.6	13.3	19.9#





#17
Fluoranthene
Concen: 0.47 ng/ul
RT: 18.11 min Scan# 2359
Delta R.T. 0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:202 Resp: 236739

Ion	Ratio	Lower	Upper
202	100		
101	3.1	0.0	33.1
203	18.6	0.0	37.2

Instrument :
BNA_E
ClientSampleId :
A4HR9DL

Manual Integrations APPROVED
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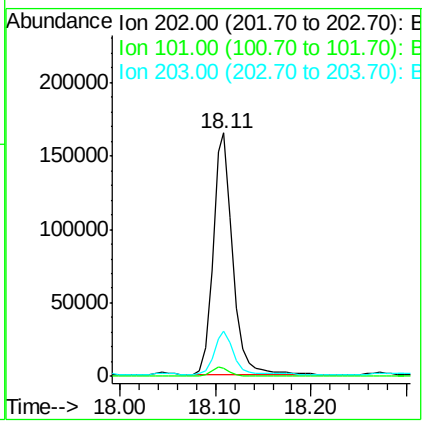
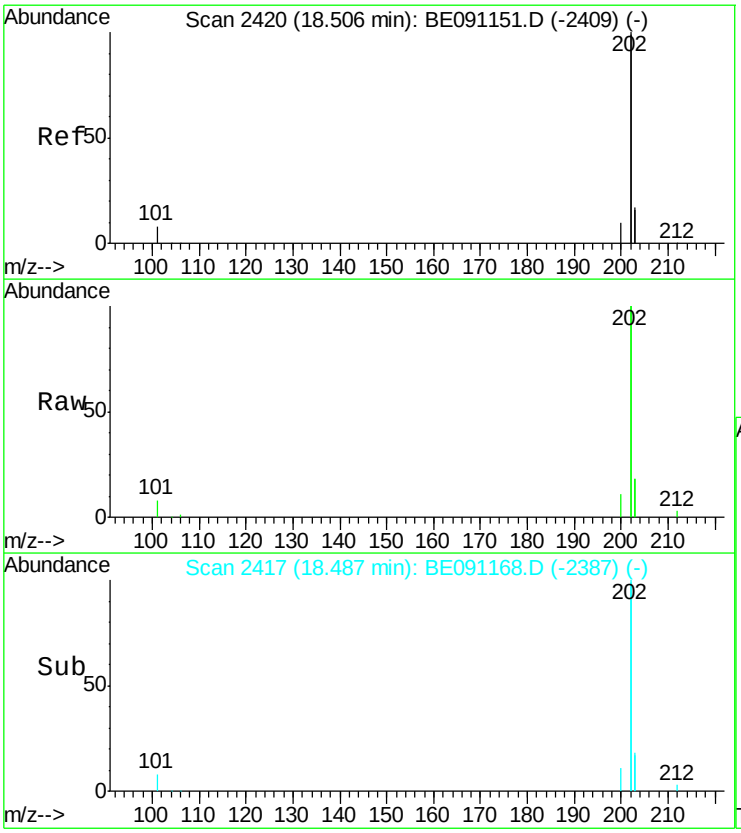
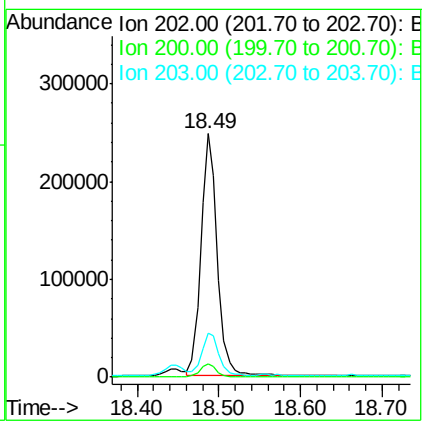


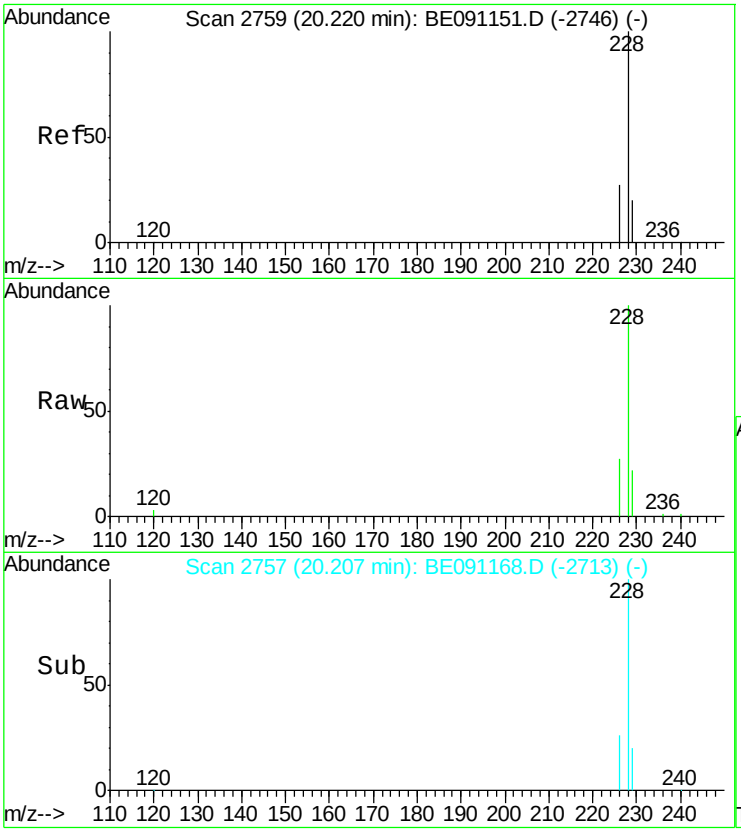


#19
Pyrene
Concen: 0.46 ng/ul
RT: 18.49 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:202 Resp: 346007

Ion	Ratio	Lower	Upper
202	100		
200	5.3	18.0	27.0#
203	18.2	13.8	20.6





#20
Benzo(a)anthracene
Concen: 0.21 ng/ul
RT: 20.21 min Scan# 2757
Delta R.T. 0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:228 Resp: 36036

Ion	Ratio	Lower	Upper
228	100		
226	27.1	23.0	34.4
229	22.2	15.2	22.8

Instrument :
BNA_E
ClientSampleId :
A4HR9DL

Manual Integrations APPROVED
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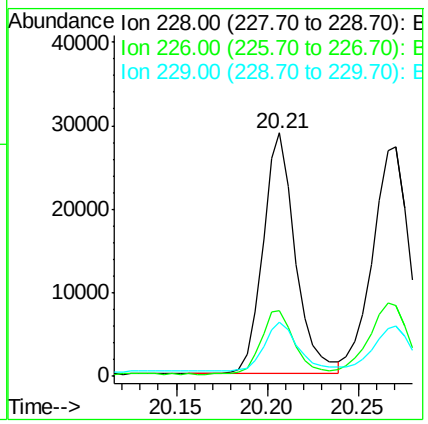
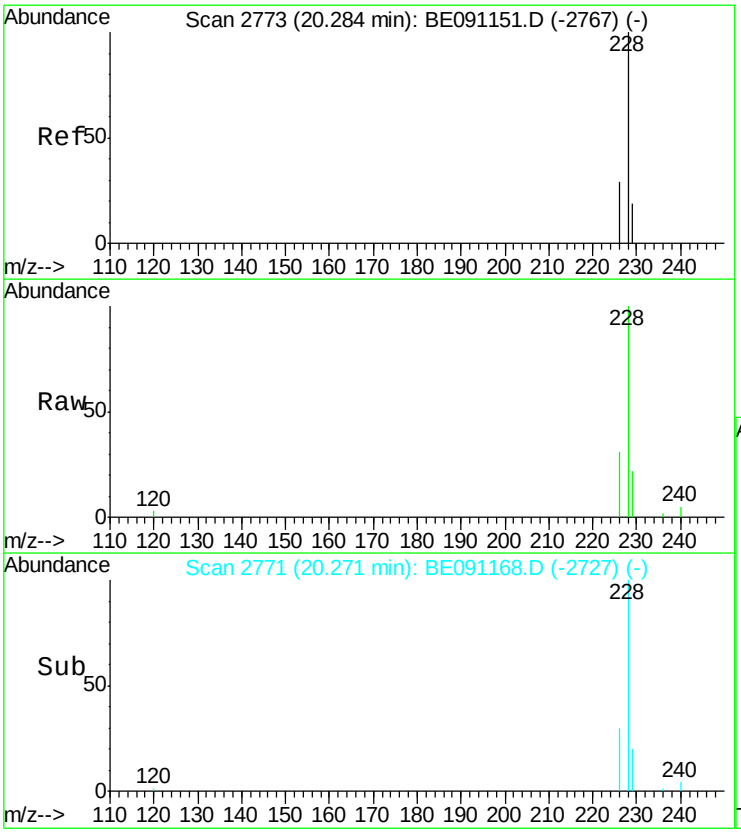
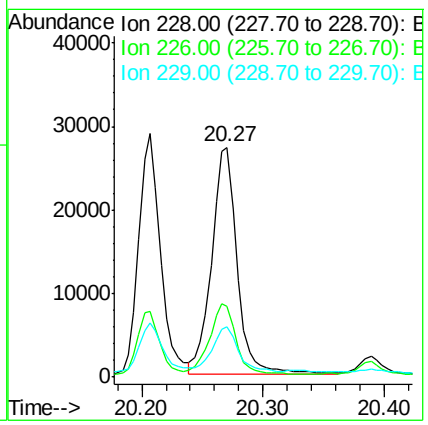


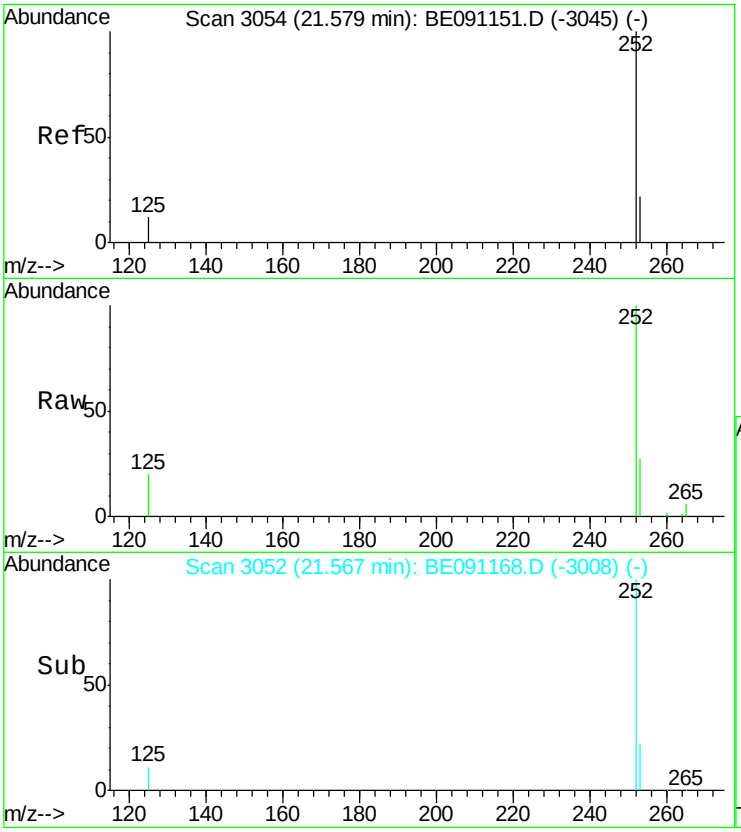


#21
Chrysene
Concen: 0.21 ng/ul
RT: 20.27 min Scan# 2771
Delta R.T. 0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:228 Resp: 40156

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.7	38.5
229	21.9	15.2	22.8

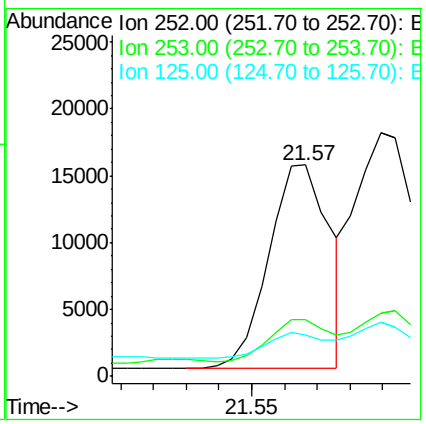




#23
Benzo(b)fluoranthene
Concen: 0.10 ng/ul
RT: 21.57 min Scan# 3052
Delta R.T. 0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:252 Resp: 19674

Ion	Ratio	Lower	Upper
252	100		
253	27.0	0.0	48.0
125	19.8	0.0	36.6



Instrument :
BNA_E
ClientSampleId :
A4HR9DL

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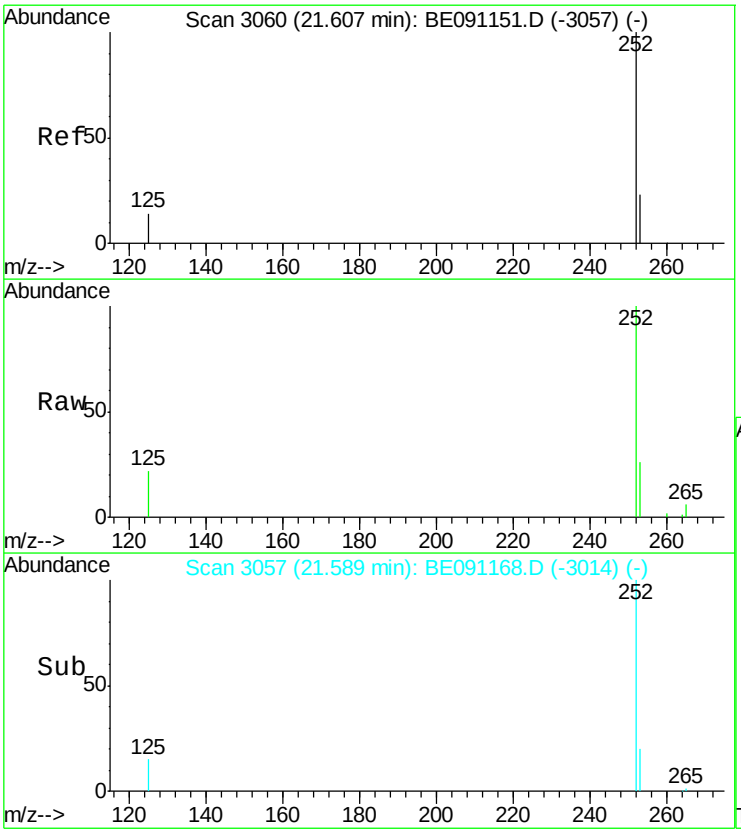
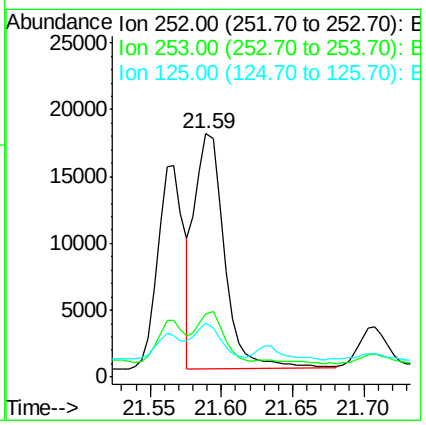
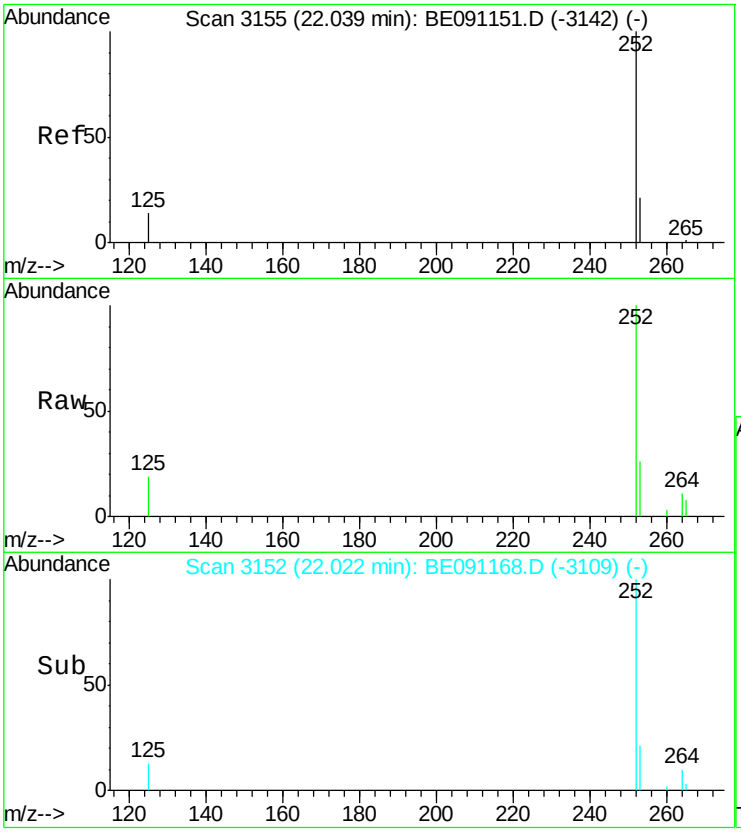


#24
Benzo(k)fluoranthene
Concen: 0.13 ng/ul
RT: 21.59 min Scan# 3057
Delta R.T. -0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:252 Resp: 25200

Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.8	31.2
125	22.2	12.2	18.4#

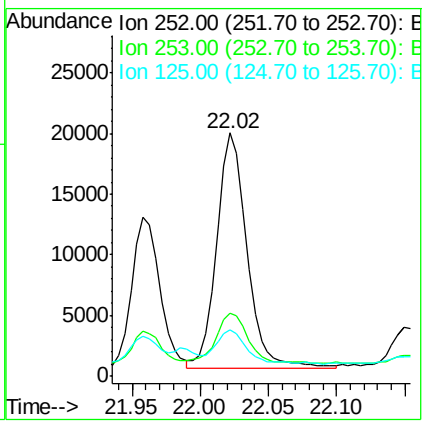




#25
Benzo(a)pyrene
Concen: 0.17 ng/ul
RT: 22.02 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:252 Resp: 29962

Ion	Ratio	Lower	Upper
252	100		
253	25.8	21.8	32.8
125	18.9	14.5	21.7



Instrument :
BNA_E
ClientSampleId :
A4HR9DL

Manual Integrations APPROVED
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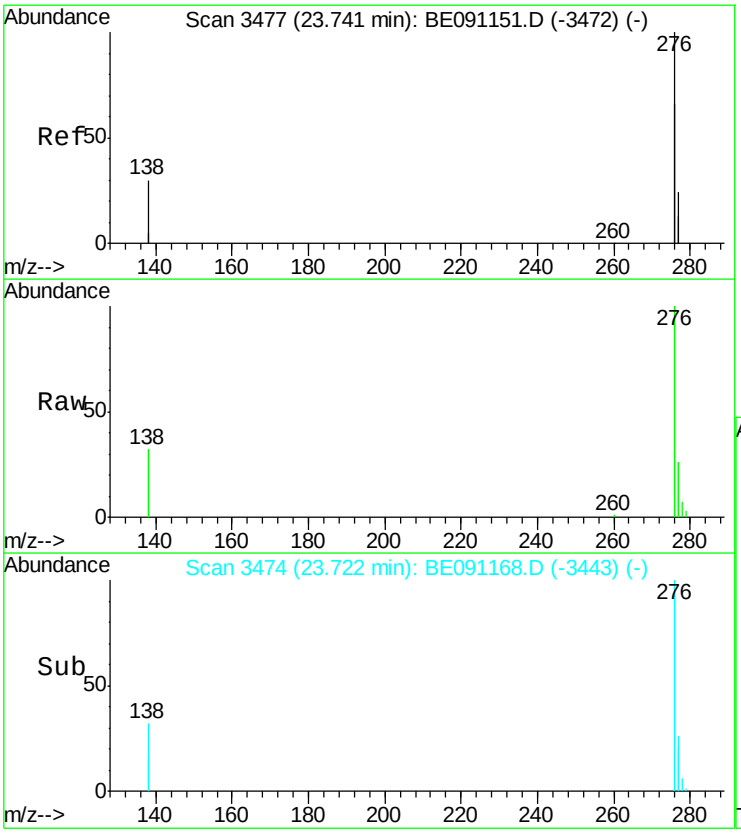
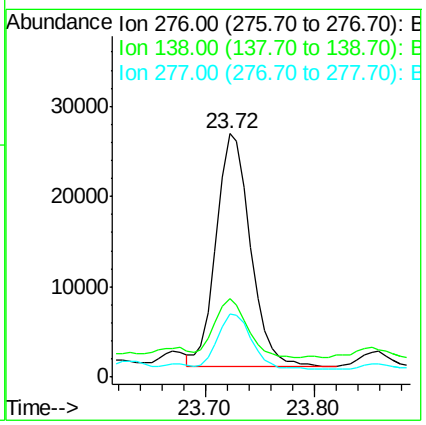
11/16/2015 3:27:08 PM

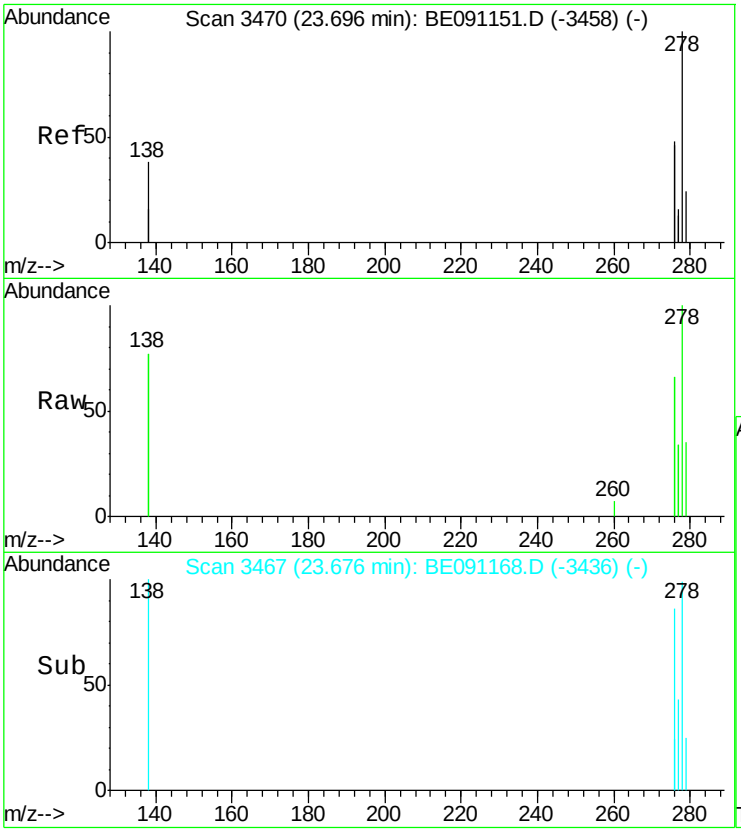


#26
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng/ul
RT: 23.72 min Scan# 3474
Delta R.T. -0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:276 Resp: 56295

Ion	Ratio	Lower	Upper
276	100		
138	24.2	27.5	41.3#
277	23.7	19.3	28.9





#27
Dibenzo(a,h)anthracene
Concen: 0.03 ng/ul
RT: 23.68 min Scan# 3467
Delta R.T. -0.00 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:278 Resp: 5453

Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	35.4	21.9	32.9#

Instrument :
BNA_E
ClientSampleId :
A4HR9DL

Manual Integrations APPROVED
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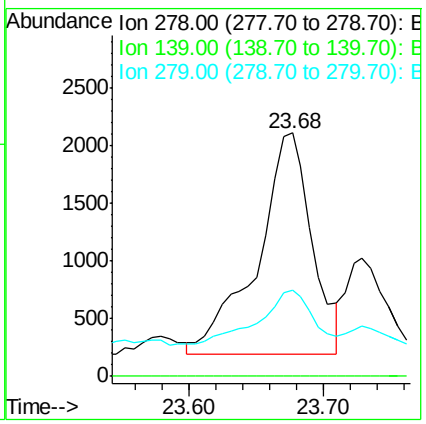

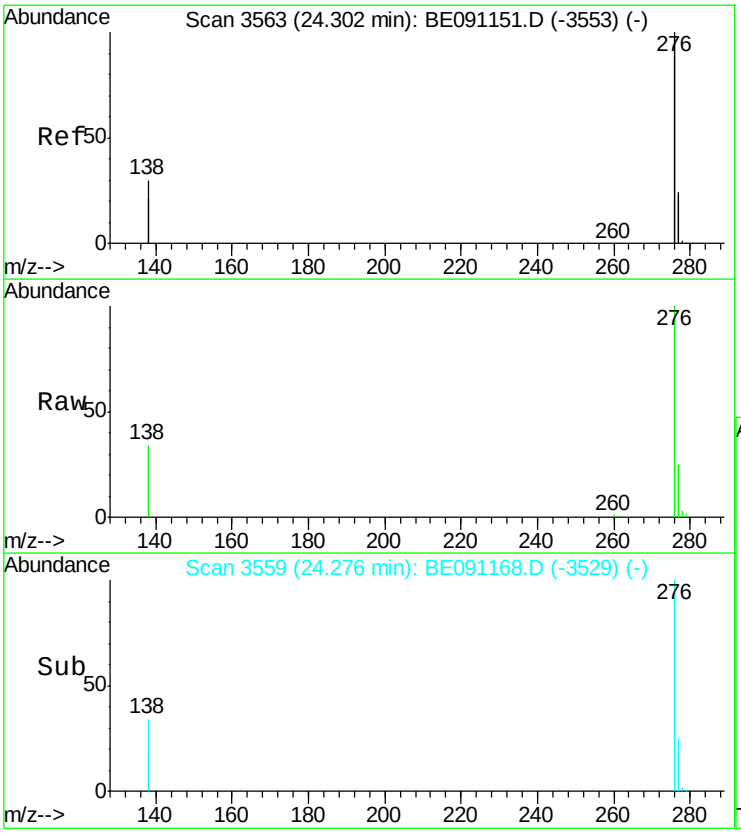

#28
Benzo(g,h,i)perylene
Concen: 0.08 ng/ul
RT: 24.28 min Scan# 3559
Delta R.T. -0.01 min
Lab File: BE091168.D
Acq: 15 Nov 2015 12:14

Tgt Ion:276 Resp: 62159

Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.3	31.9
138	34.2	25.5	38.3