Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
Data File : BE095287.D
Acq On : 30 Jan 2018 16:03
Operator : SJ/JU
Sample : J1233-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : F6B12

Manual Integrations APPROVED
Sohil
1/31/2018 8:28:11 PM

Quant Time: Jan 31 03:16:04 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 01:22:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2308	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7009	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4285	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	8616	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	9539	0.40	ng/ul	0.00
20) Perylene-d12	24.45	264	8126m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	2455	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	6270	0.19	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	11.31	128	744	0.038	ng/ul#	68
5) 2-Methylnaphthalene	12.89	142	637	0.049	ng/ul	99
7) Acenaphthylene	14.75	152	19605	0.951	ng/ul	97
8) Acenaphthene	15.08	153	949	0.059	ng/ul#	84
9) Fluorene	16.03	166	1161m	0.070	ng/ul	
11) Pentachlorophenol	17.36	266	193608	116.015	ng/ul	96
12) Phenanthrene	17.75	178	17813	0.615	ng/ul#	88
13) Anthracene	17.85	178	49910	1.882	ng/ul#	92
15) Fluoranthene	19.73	202	575244	15.331	ng/ul	81
17) Pyrene	20.08	202	613114	19.155	ng/ul#	75
18) Benzo(a)anthracene	21.79	228	117547	3.941	ng/ul#	86
19) Chrysene	21.85	228	219055	7.073	ng/ul	95
21) Benzo(b)fluoranthene	23.63	252	461291m	16.090	ng/ul	
22) Benzo(k)fluoranthene	23.68	252	101941m	3.887	ng/ul	
23) Benzo(a)pyrene	24.33	252	80077m	3.128	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.27	276	111197m	3.961	ng/ul	
25) Dibenzo(a,h)anthracene	27.27	278	28281m	1.232	ng/ul	
26) Benzo(g,h,i)perylene	28.14	276	117677m	4.951	ng/ul	

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

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Manual Integrations APPROVED
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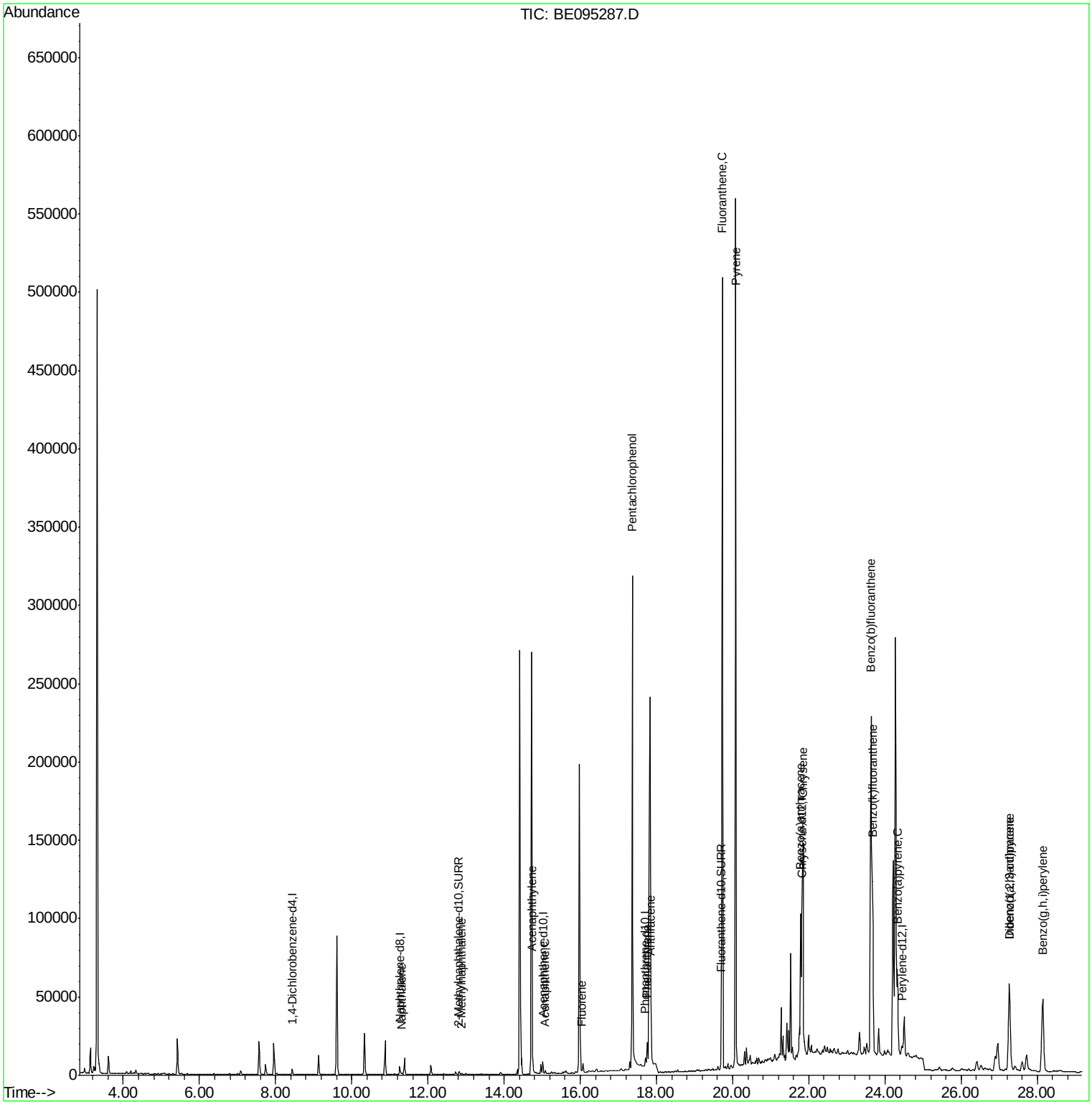

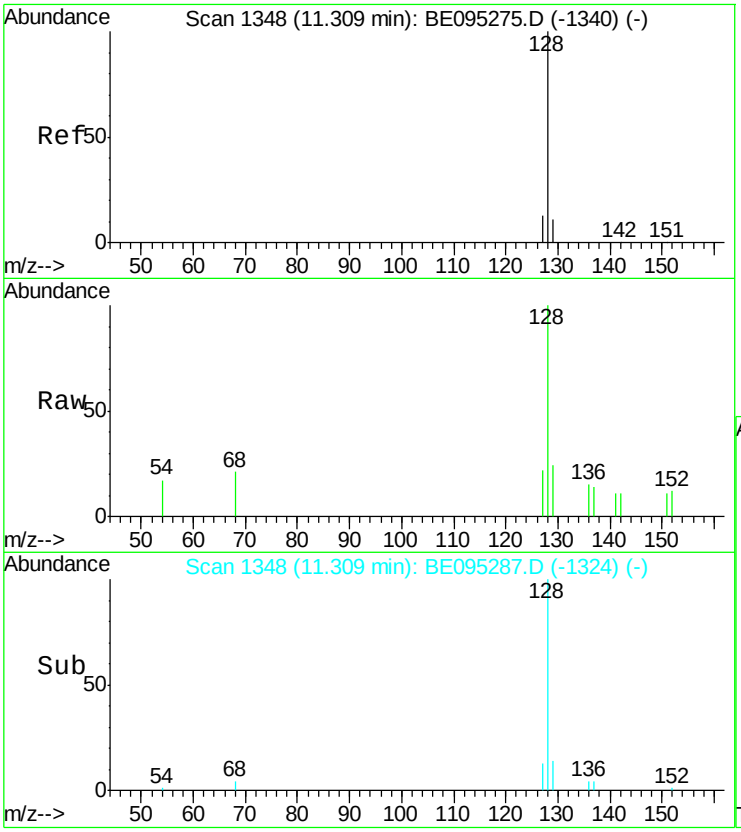

#3
Naphthalene
Concen: 0.038 ng/ul
RT: 11.31 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:128 Resp: 744

Ion	Ratio	Lower	Upper
128	100		
129	24.2	11.3	16.9#
127	21.9	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
F6B12

Manual Integrations APPROVED
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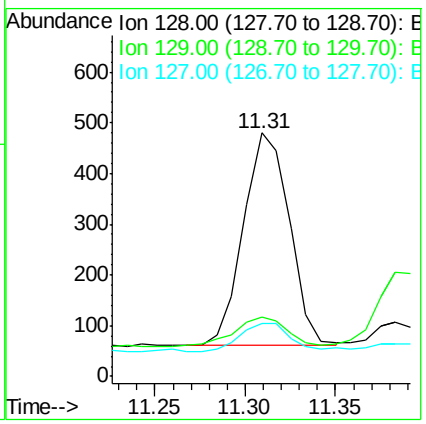
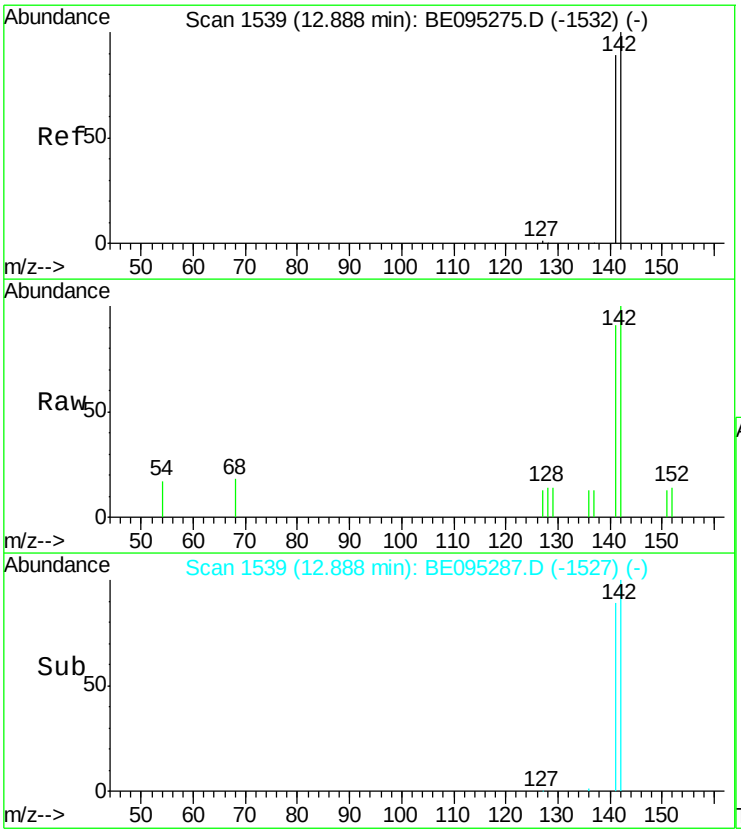
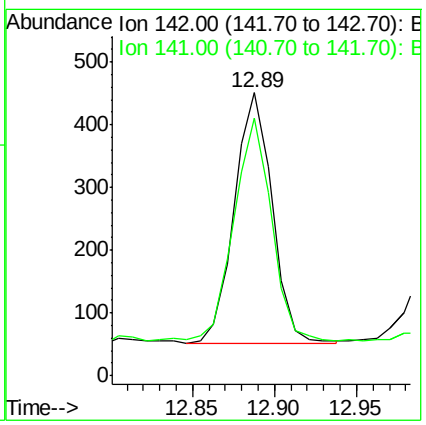


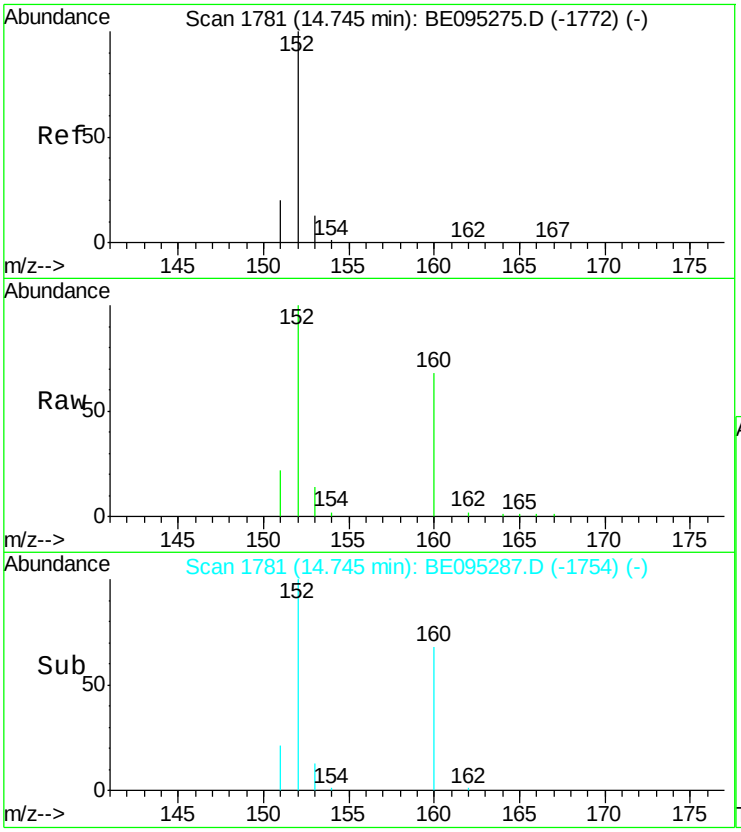


#5
2-Methylnaphthalene
Concen: 0.049 ng/ul
RT: 12.89 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:142 Resp: 637

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.6	108.8

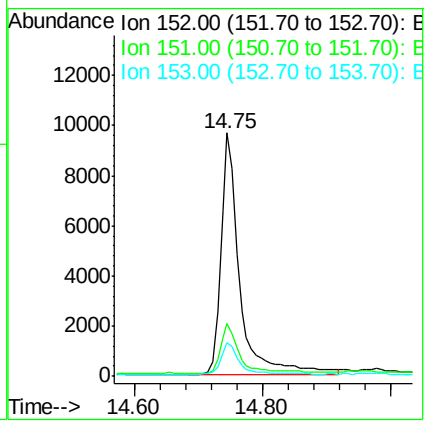




#7
Acenaphthylene
Concen: 0.951 ng/ul
RT: 14.75 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:152 Resp: 19605

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.1	25.7
153	13.8	12.8	19.2



Instrument :
BNA_E
ClientSampleId :
F6B12

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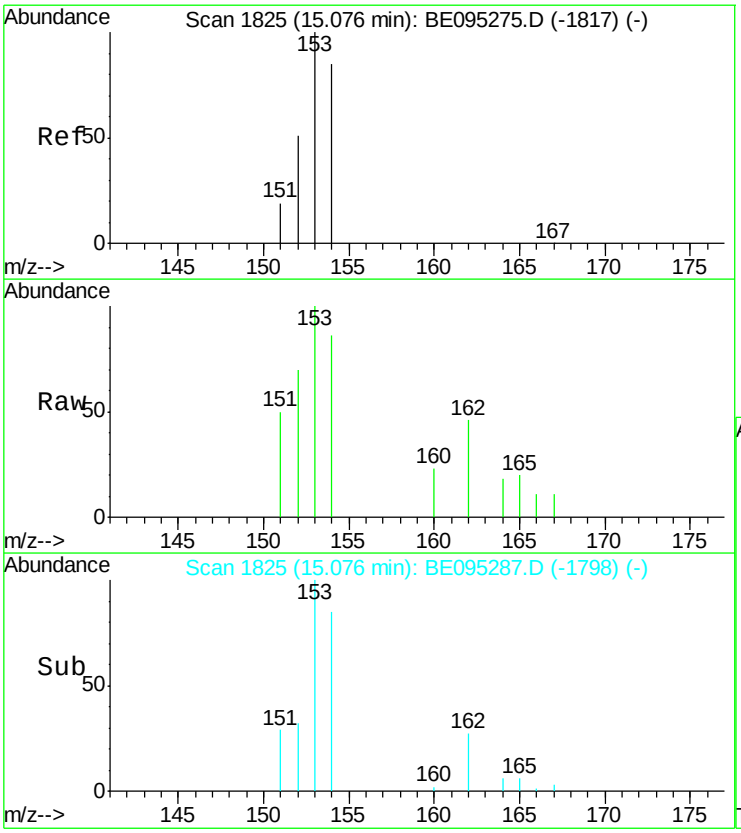
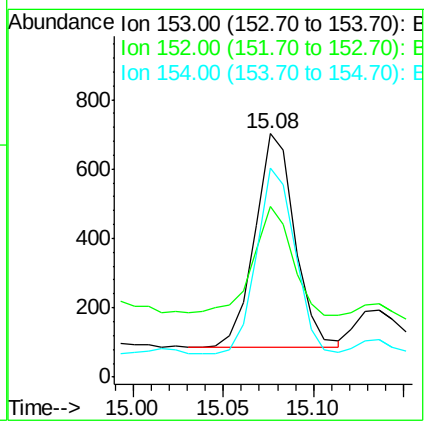
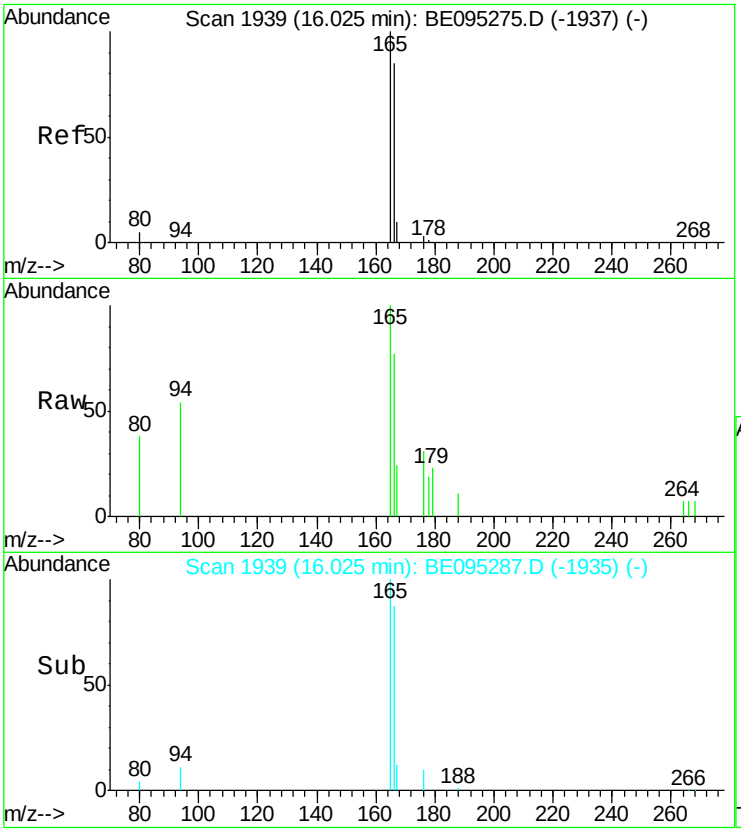


#8
Acenaphthene
Concen: 0.059 ng/ul
RT: 15.08 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:153 Resp: 949

Ion	Ratio	Lower	Upper
153	100		
152	70.4	36.0	54.0#
154	86.0	72.0	108.0





#9
Fluorene
Concen: 0.070 ng/ul m
RT: 16.03 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:166 Resp: 1161

Ion	Ratio	Lower	Upper
166	100		
165	130.1	73.4	110.2#
167	31.6	14.6	22.0#

Instrument :
BNA_E
ClientSampleId :
F6B12

Manual Integrations APPROVED
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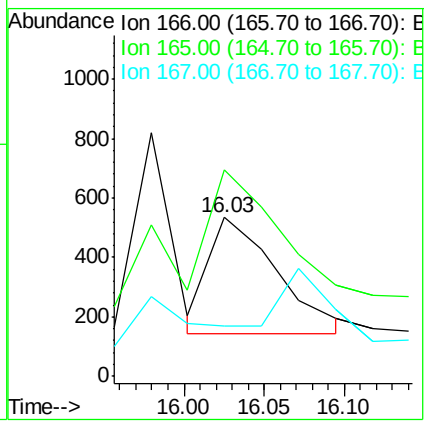
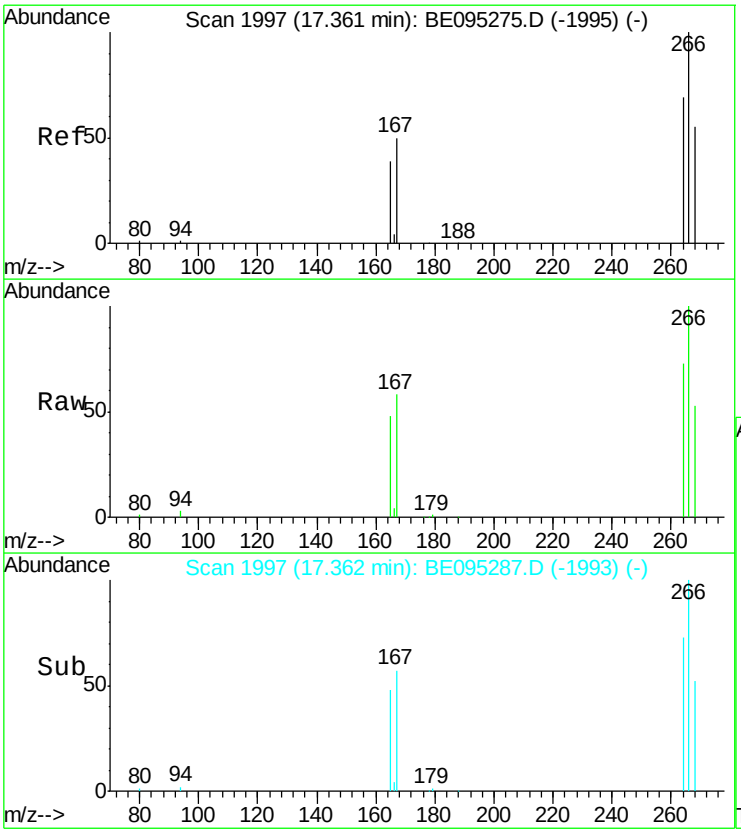
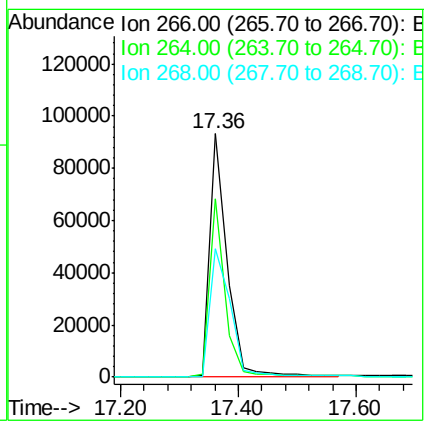


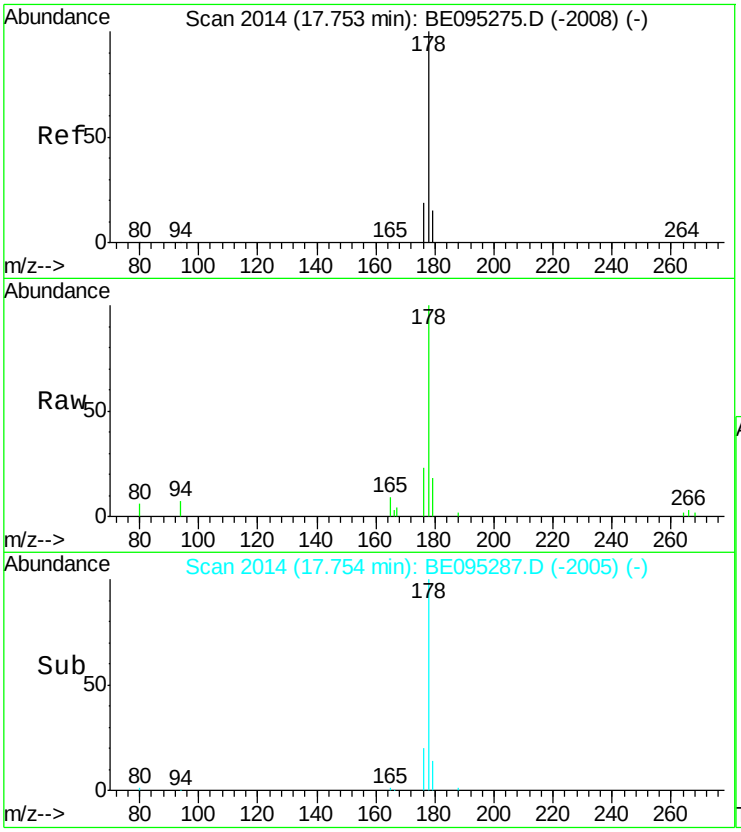


#11
Pentachlorophenol
Concen: 116.015 ng/ul
RT: 17.36 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:266 Resp: 193608

Ion	Ratio	Lower	Upper
266	100		
264	65.7	47.9	71.9
268	62.0	49.8	74.8

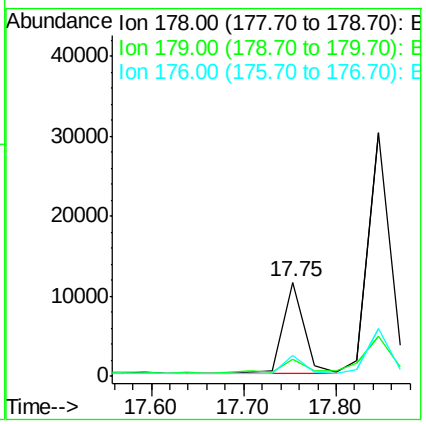




#12
Phenanthrene
Concen: 0.615 ng/ul
RT: 17.75 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:178 Resp: 17813

Ion	Ratio	Lower	Upper
178	100		
179	17.8	18.4	27.6#
176	22.5	13.6	20.4#



Instrument :
BNA_E
ClientSampleId :
F6B12

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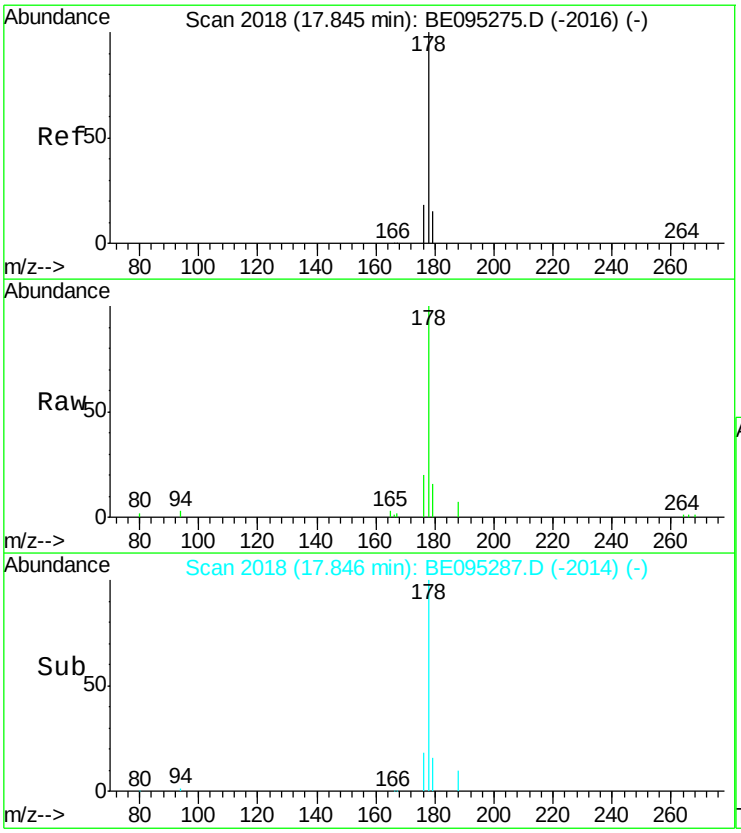
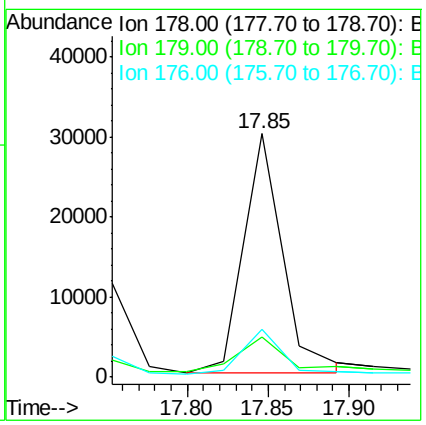
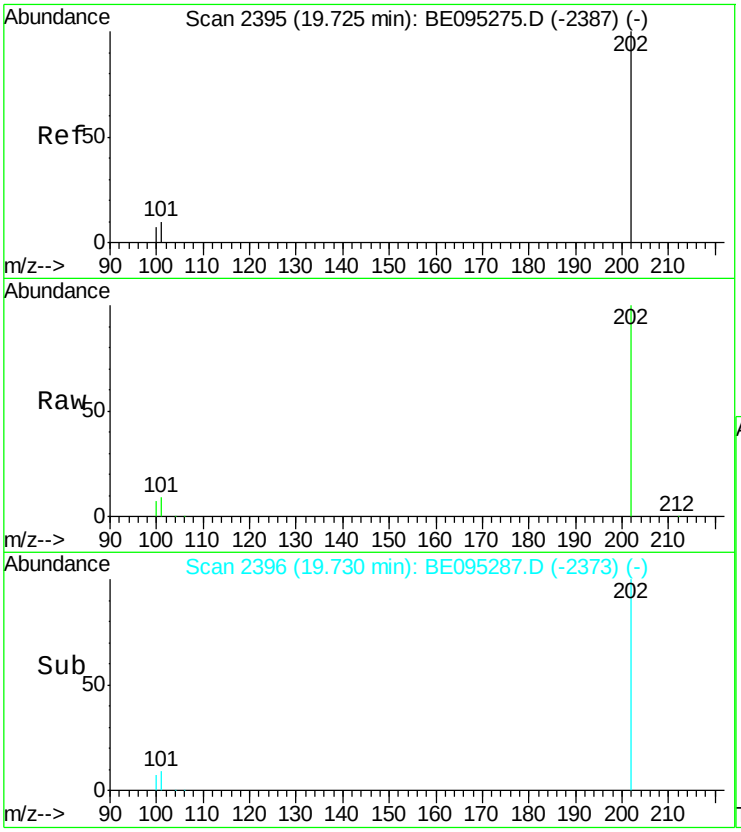


#13
Anthracene
Concen: 1.882 ng/ul
RT: 17.85 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:178 Resp: 49910

Ion	Ratio	Lower	Upper
178	100		
179	16.5	18.1	27.1#
176	19.6	14.7	22.1

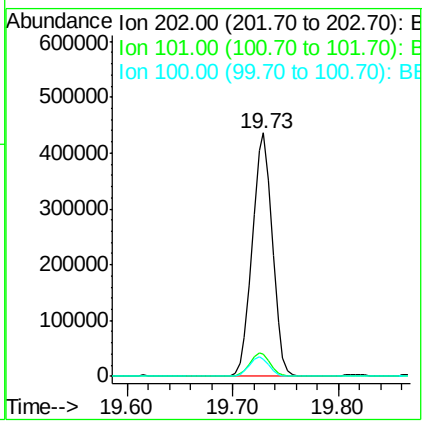




#15
Fluoranthene
Concen: 15.331 ng/ul
RT: 19.73 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:202 Resp: 575244

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.3
100	7.2	0.0	39.5



Instrument :
BNA_E
ClientSampleId :
F6B12

Manual Integrations APPROVED
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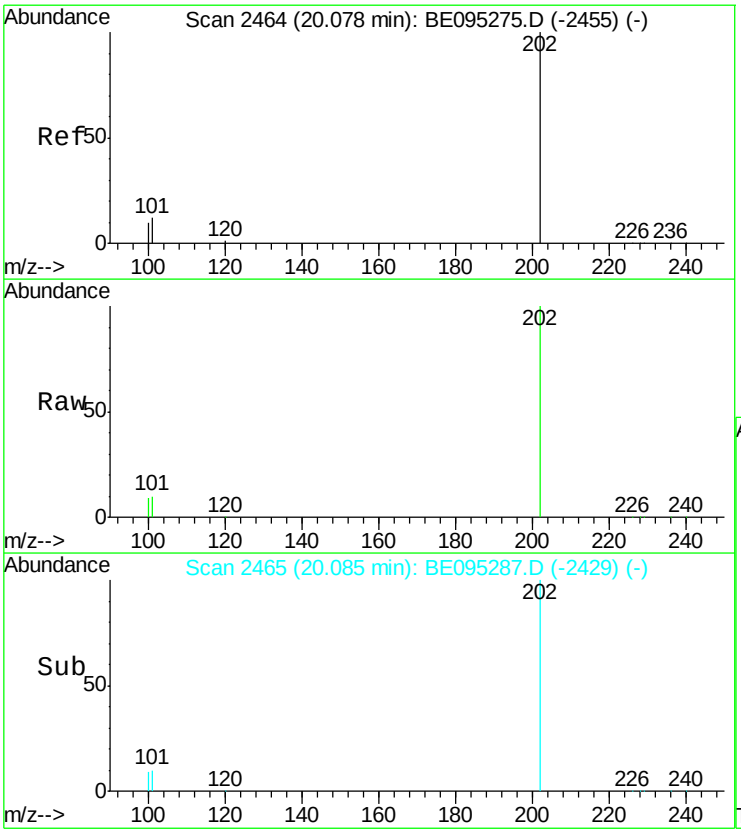
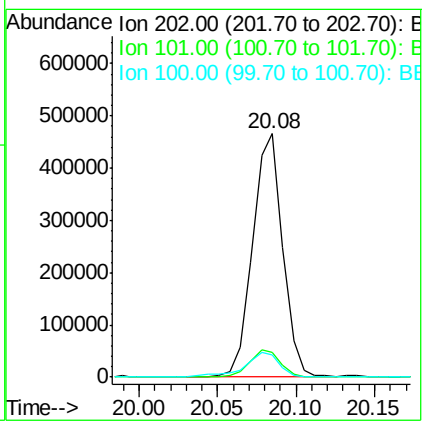
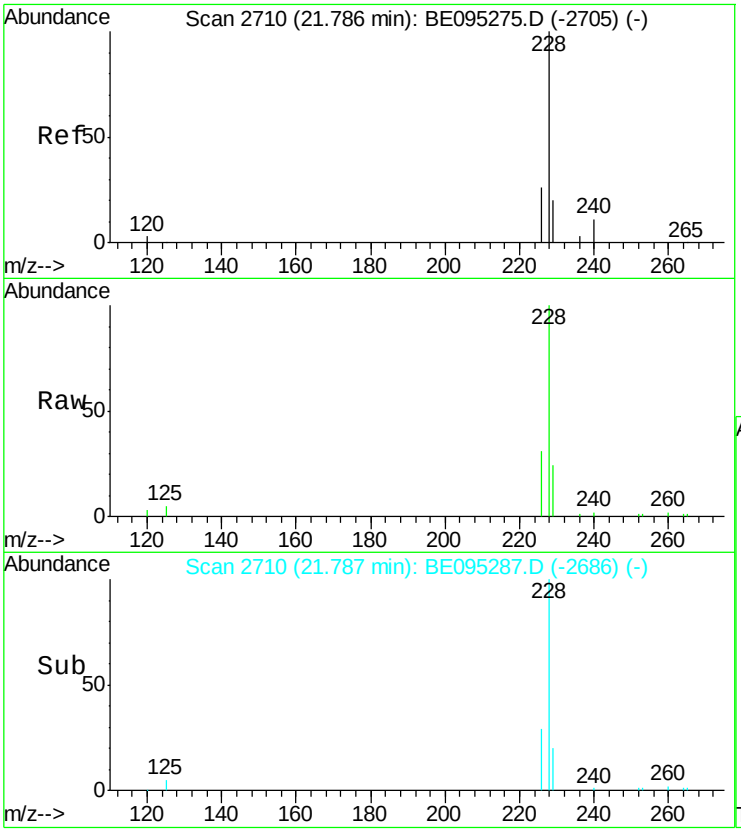


#17
Pyrene
Concen: 19.155 ng/ul
RT: 20.08 min Scan# 2465
Delta R.T. 0.01 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:202 Resp: 613114

Ion	Ratio	Lower	Upper
202	100		
101	10.4	18.2	27.4#
100	8.9	15.6	23.4#





#18
Benzo(a)anthracene
Concen: 3.941 ng/ul
RT: 21.79 min Scan# 2710
Delta R.T. 0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:228 Resp: 117547

Ion	Ratio	Lower	Upper
228	100		
229	23.5	22.8	34.2
226	30.7	17.0	25.6#

Instrument :
BNA_E
ClientSampleId :
F6B12

Manual Integrations APPROVED
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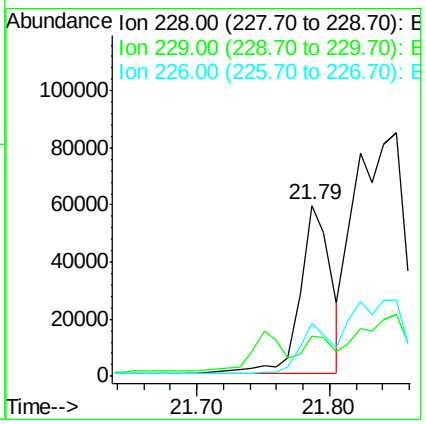
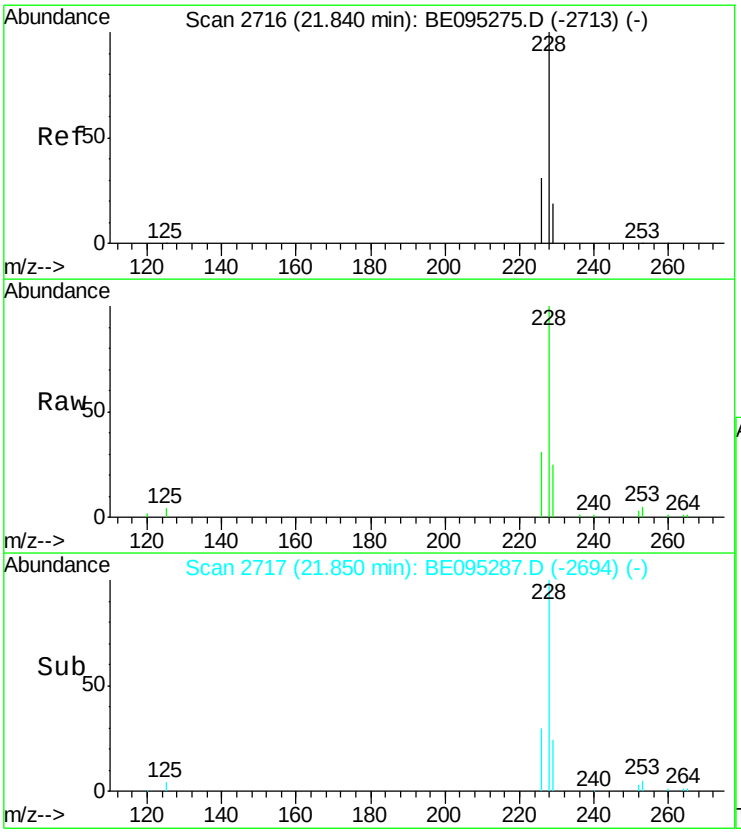
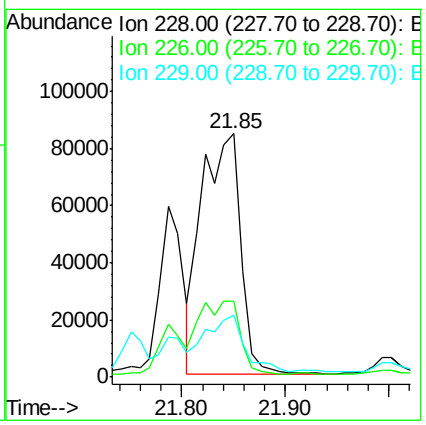


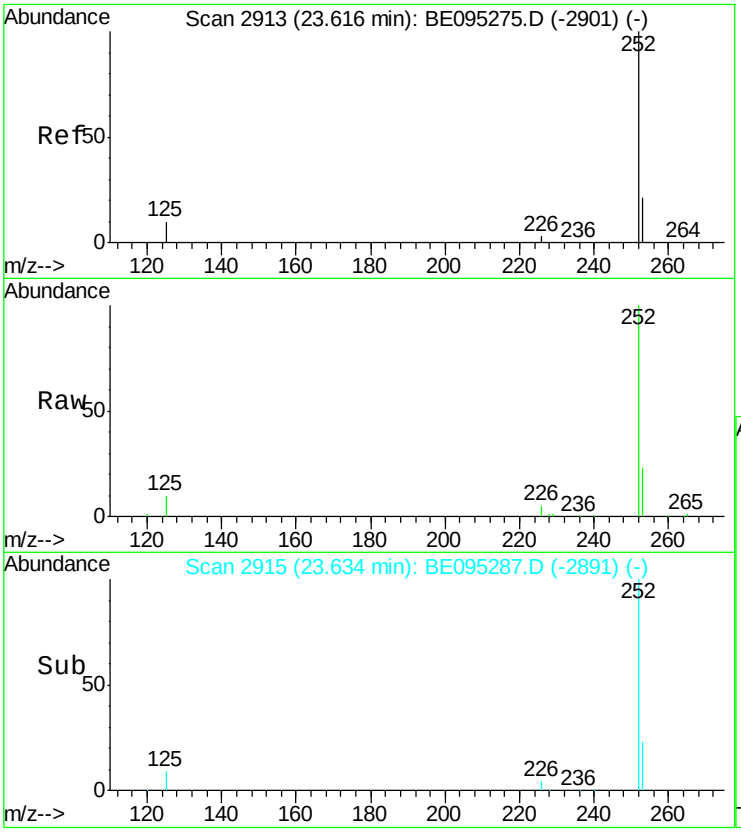


#19
Chrysene
Concen: 7.073 ng/ul
RT: 21.85 min Scan# 2717
Delta R.T. 0.01 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:228 Resp: 219055

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.0
229	25.5	17.7	26.5

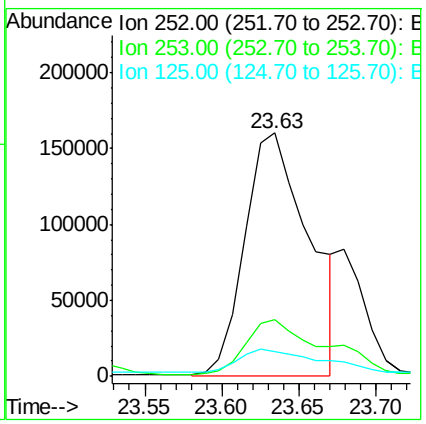




#21
Benzo(b)fluoranthene
Concen: 16.090 ng/ul m
RT: 23.63 min Scan# 2915
Delta R.T. 0.02 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:252 Resp: 461291

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	64.2
125	10.4	0.0	35.0



Instrument :
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ClientSampleId :
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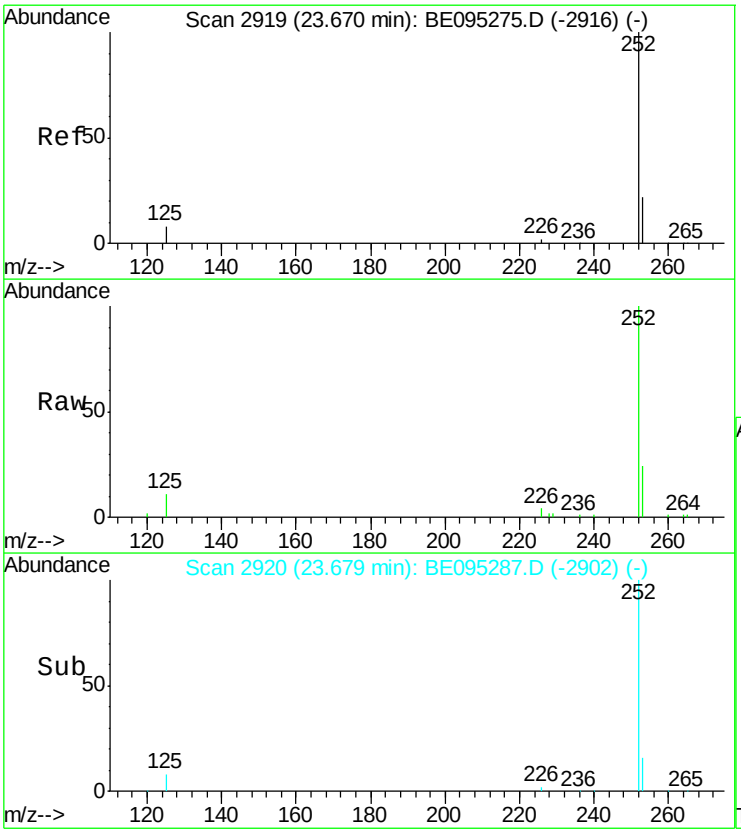
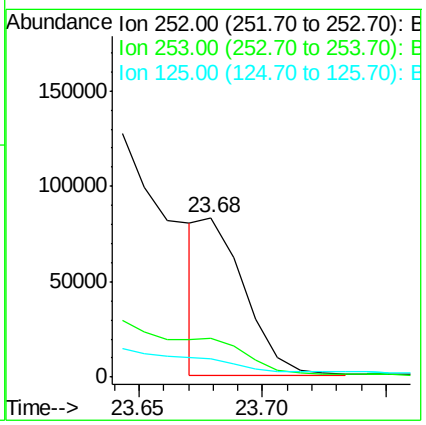
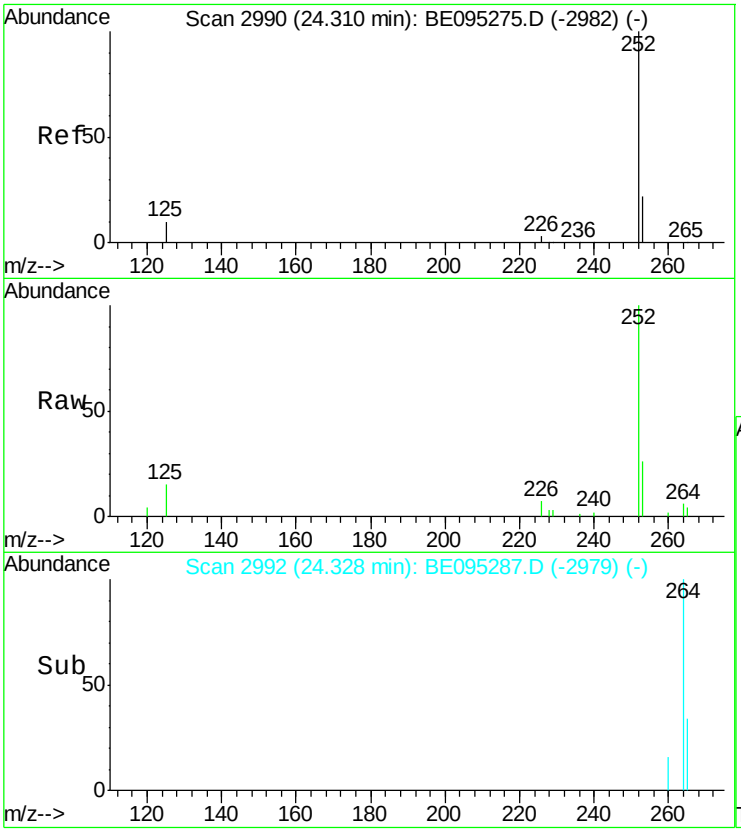


#22
Benzo(k)fluoranthene
Concen: 3.887 ng/ul m
RT: 23.68 min Scan# 2920
Delta R.T. 0.01 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:252 Resp: 101941

Ion	Ratio	Lower	Upper
252	100		
253	24.3	24.5	36.7#
125	11.3	13.7	20.5#





#23
Benzo(a)pyrene
Concen: 3.128 ng/ul m
RT: 24.33 min Scan# 2992
Delta R.T. 0.02 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:252 Resp: 80077

Ion	Ratio	Lower	Upper
252	100		
253	26.4	28.5	42.7#
125	14.8	18.1	27.1#

Instrument :
BNA_E
ClientSampleId :
F6B12

Manual Integrations APPROVED
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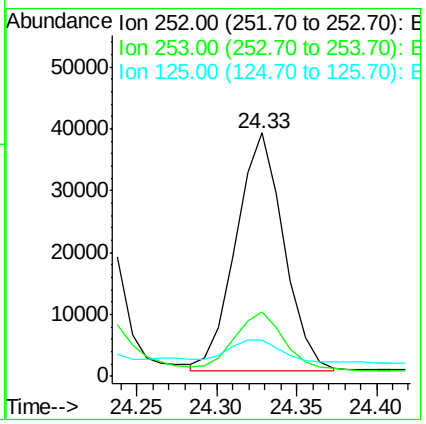
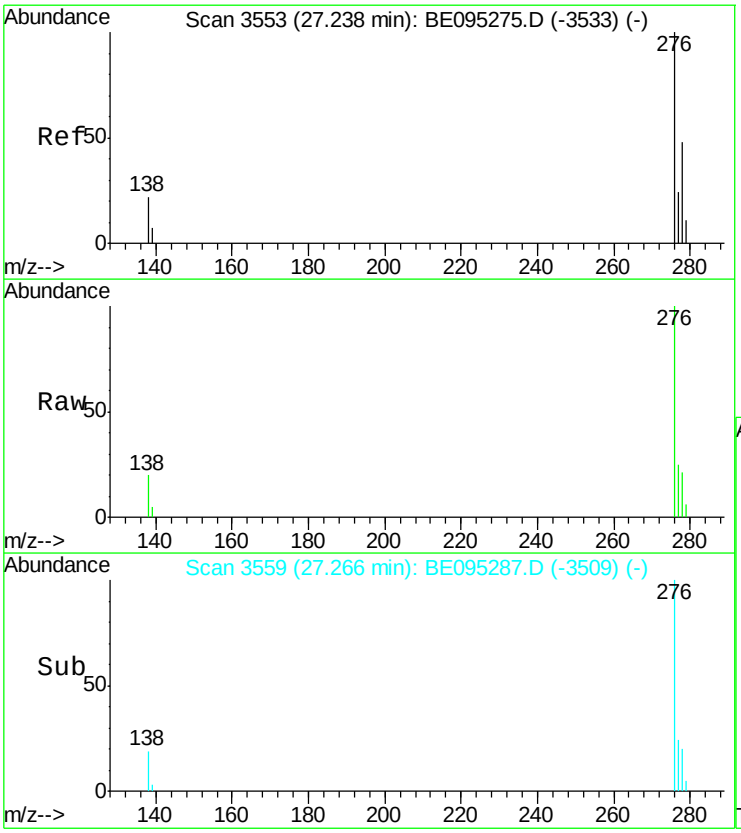
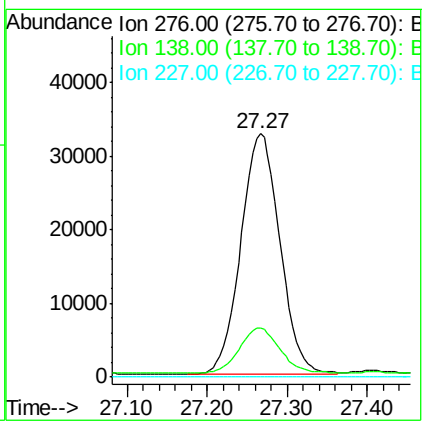


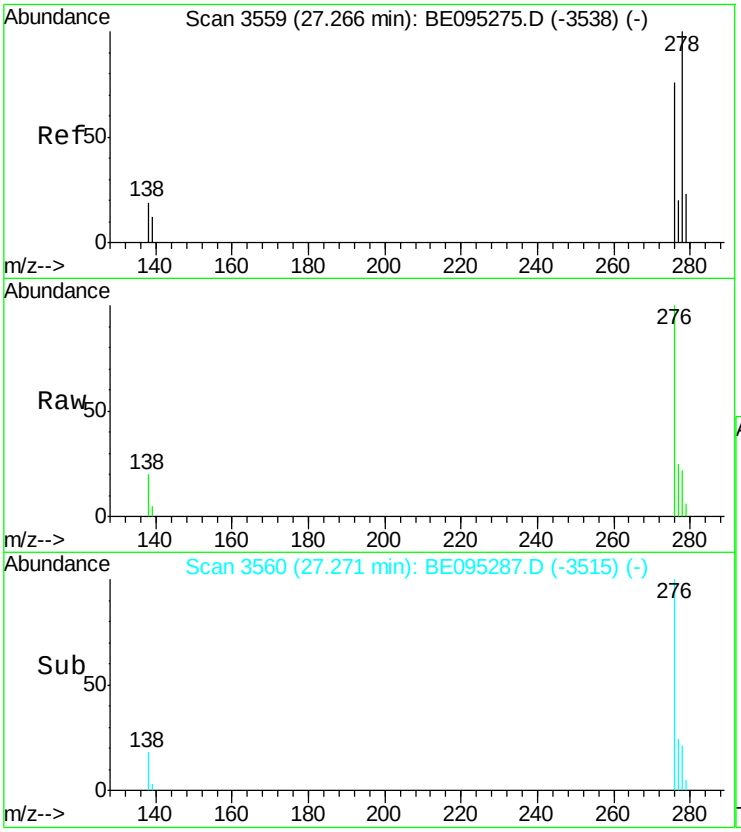


#24
Indeno(1,2,3-cd)pyrene
Concen: 3.961 ng/ul m
RT: 27.27 min Scan# 3559
Delta R.T. 0.03 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:276 Resp: 111197

Ion	Ratio	Lower	Upper
276	100		
138	2.9	28.0	42.0#
227	0.0	8.0	12.0#





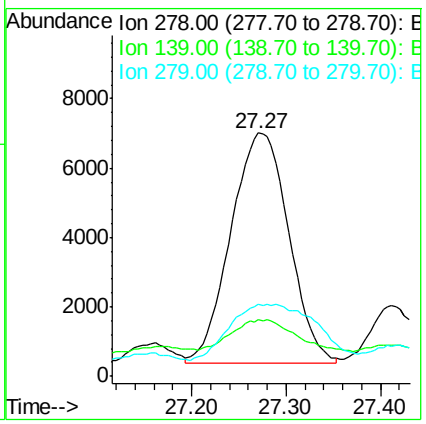
#25
Dibenzo(a,h)anthracene
Concen: 1.232 ng/ul m
RT: 27.27 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

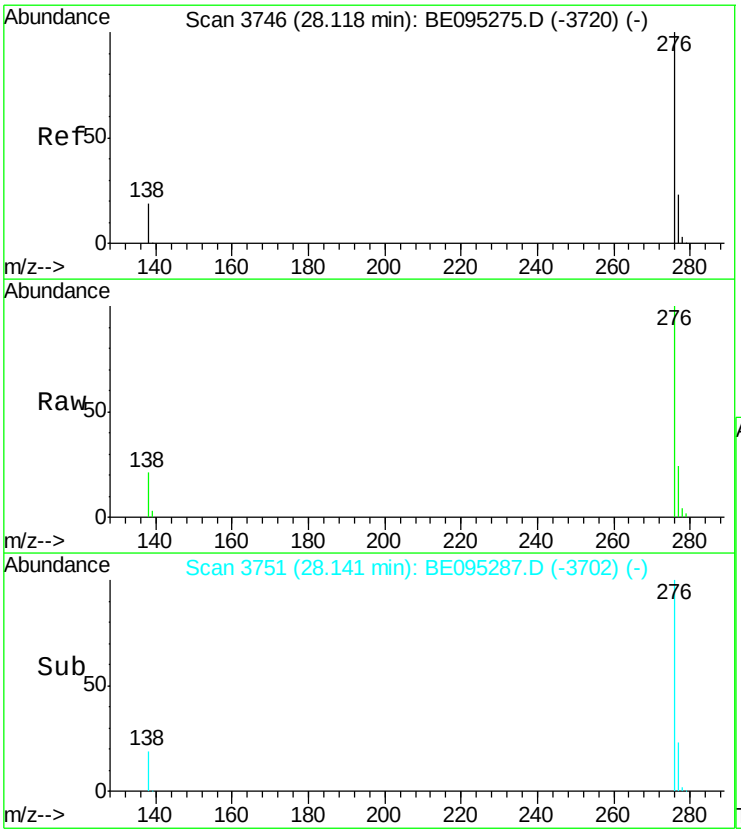
Tgt Ion:278 Resp: 28281

Ion	Ratio	Lower	Upper
278	100		
139	23.1	17.4	26.0
279	29.4	25.9	38.9

Instrument :
BNA_E
ClientSampleId :
F6B12

Manual Integrations APPROVED
Sohil
1/31/2018 8:28:11 PM





#26
Benzo(g,h,i)perylene
Concen: 4.951 ng/ul m
RT: 28.14 min Scan# 3751
Delta R.T. 0.02 min
Lab File: BE095287.D
Acq: 30 Jan 2018 16:03

Tgt Ion:276 Resp: 117677

Ion	Ratio	Lower	Upper
276	100		
138	20.6	21.8	32.8#
277	24.3	20.5	30.7