

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097190.D
 Acq On : 3 Aug 2018 21:47
 Operator : SJ/JU
 Sample : J4171-21
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1L4

Manual Integrations
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Sohil
 8/6/2018 4:32:35 PM

Quant Time: Aug 04 00:29:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1392	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	7447	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	4892	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.78	188	11132m	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	11952m	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	11198m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.73	152	4387	0.37	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	13453m	0.35	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.18	128	795	0.044	ng/ul#	83
5) 2-Methylnaphthalene	11.81	142	338	0.028	ng/ul	98
7) Acenaphthylene	13.74	152	2698	0.128	ng/ul	97
9) Fluorene	15.08	166	956	0.054	ng/ul#	90
12) Phenanthrene	16.81	178	37217m	1.311	ng/ul	
13) Anthracene	16.90	178	1656m	0.063	ng/ul	
15) Fluoranthene	18.84	202	53108m	1.416	ng/ul	
17) Pyrene	19.21	202	54572	1.704	ng/ul#	79
18) Benzo(a)anthracene	20.96	228	14366m	0.421	ng/ul	
19) Chrysene	21.01	228	24686	0.701	ng/ul	96
21) Benzo(b)fluoranthene	22.54	252	28558m	0.936	ng/ul	
22) Benzo(k)fluoranthene	22.58	252	11000m	0.334	ng/ul	
23) Benzo(a)pyrene	23.12	252	20548m	0.673	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.51	276	16604	0.434	ng/ul#	72
25) Dibenzo(a,h)anthracene	25.53	278	3532	0.113	ng/ul#	62
26) Benzo(a,h,i)perylene	26.21	276	17052	0.516	ng/ul	94

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

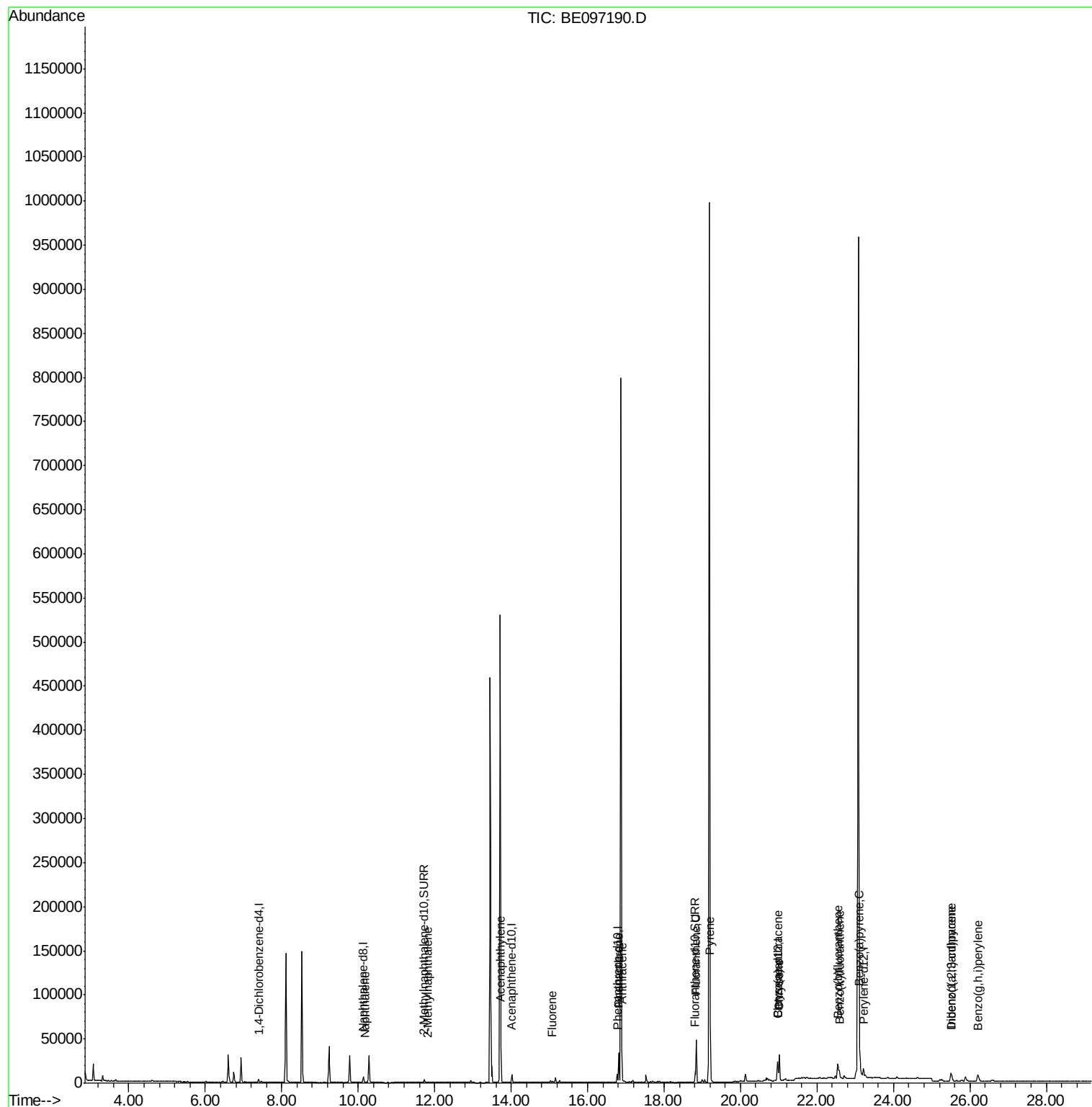
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
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ALS Vial : 19 Sample Multiplier: 1

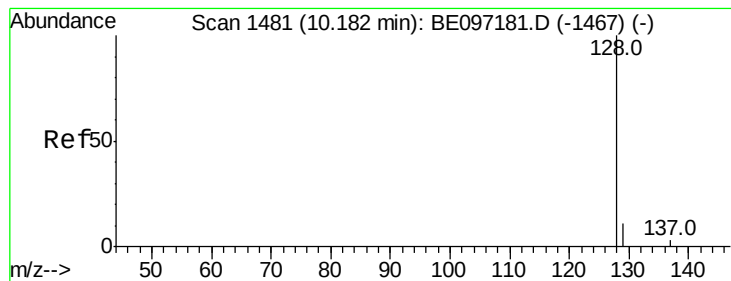
Instrument :
BNA_E
ClientSampleId :
JJ1L4

Quant Time: Aug 04 00:29:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 03 23:39:09 2018
Response via : Initial Calibration

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#3

Naphthalene

Concen: 0.044 ng/ul

RT: 10.18 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE097190.D

Acq: 3 Aug 2018 21:47

Instrument :

BNA_E

ClientSampleId :

JJ1L4

Tot Ion:128 Resp: 795

Ion Ratio Lower Upper

128 100

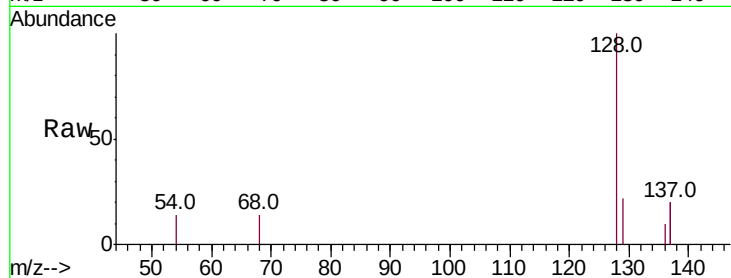
129 21.6 11.3 16.9#

127 0.0 4.0 6.0#

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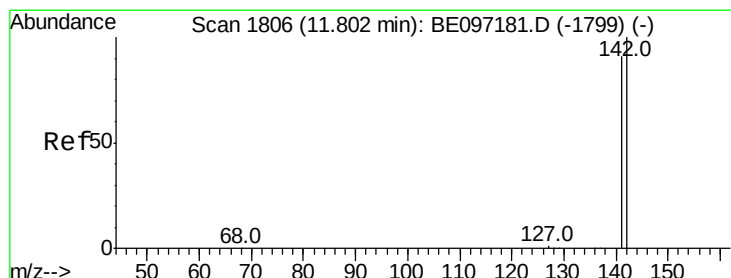
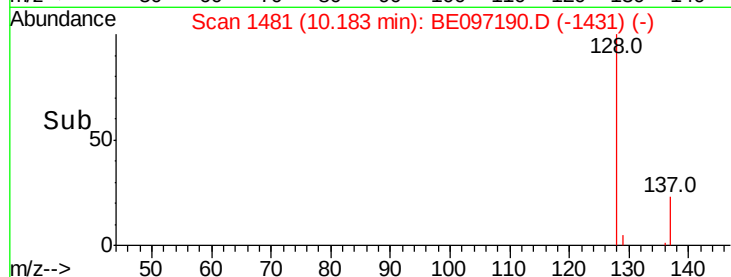
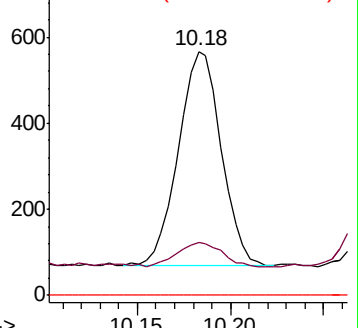
8/6/2018 4:32:35 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.028 ng/ul

RT: 11.81 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BE097190.D

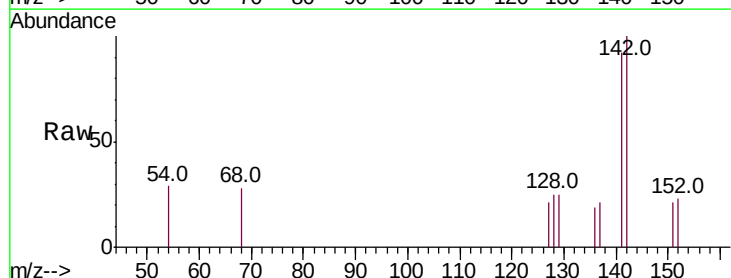
Acq: 3 Aug 2018 21:47

Tgt Ion:142 Resp: 338

Ion Ratio Lower Upper

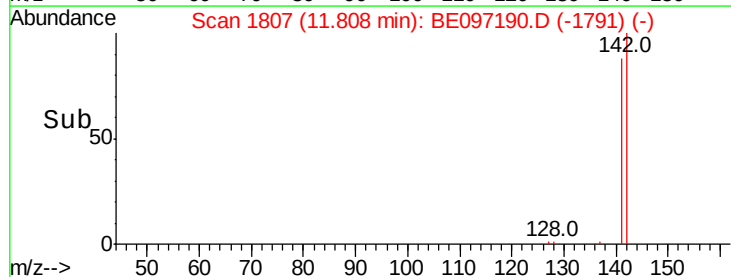
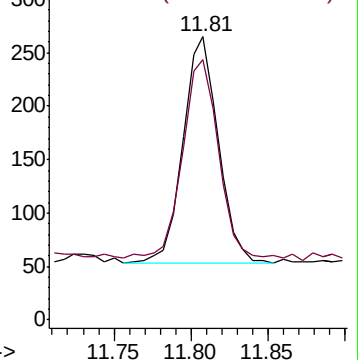
142 100

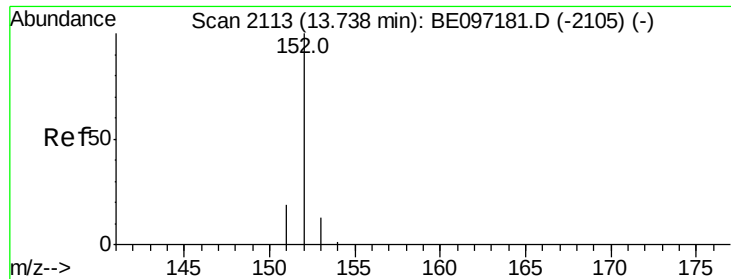
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.128 ng/ul

RT: 13.74 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE097190.D

Acq: 3 Aug 2018 21:47

Instrument :

BNA_E

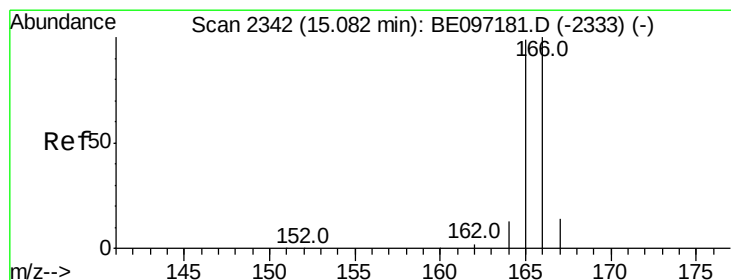
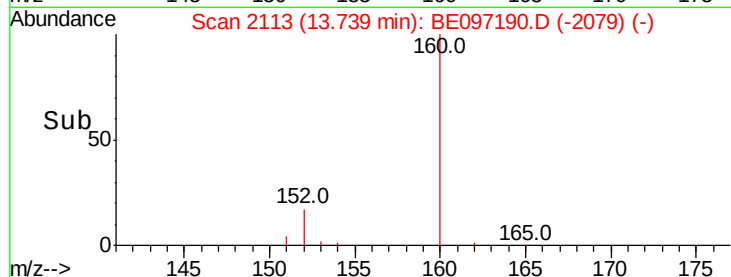
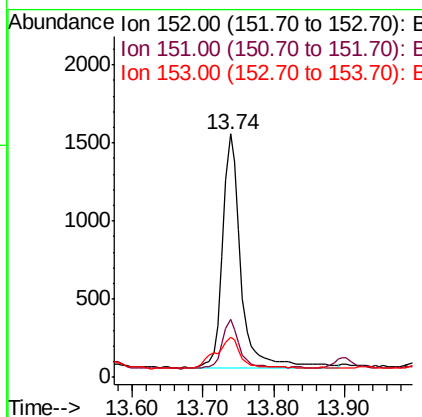
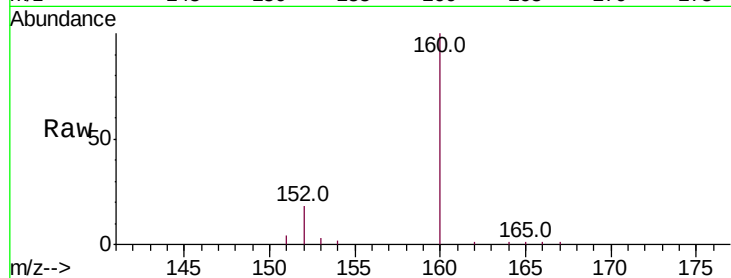
ClientSampleId :

JJ1L4

Tot Ion:	152	Resp:	2698
Ion Ratio	Lower	Upper	
152	100		
151	23.6	17.1	25.7
153	16.4	12.8	19.2

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#9

Fluorene

Concen: 0.054 ng/ul

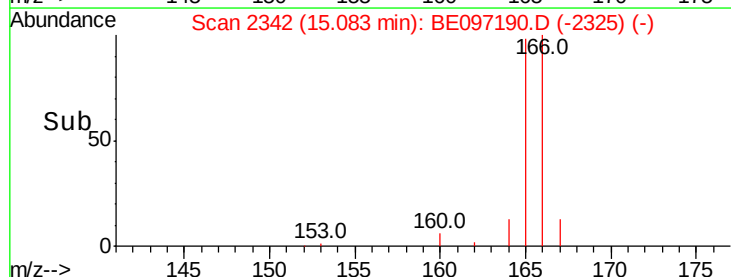
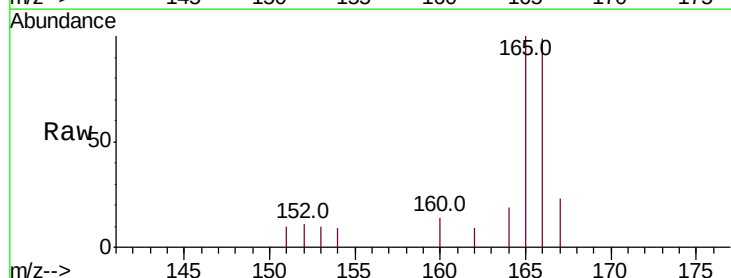
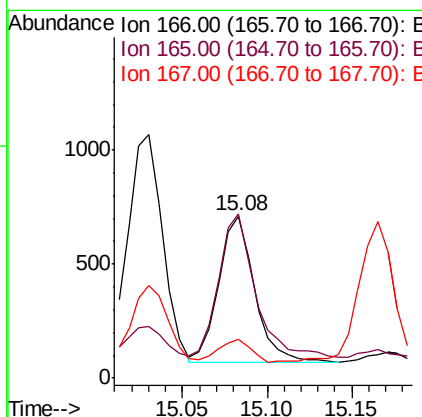
RT: 15.08 min Scan# 2342

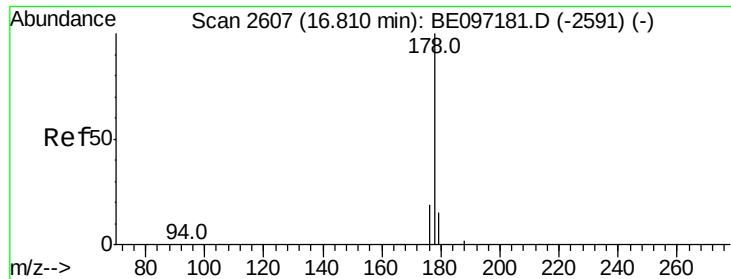
Delta R.T. 0.00 min

Lab File: BE097190.D

Acq: 3 Aug 2018 21:47

Tgt Ion:	166	Resp:	956
Ion Ratio	Lower	Upper	
166	100		
165	101.3	73.4	110.2
167	23.6	14.6	22.0





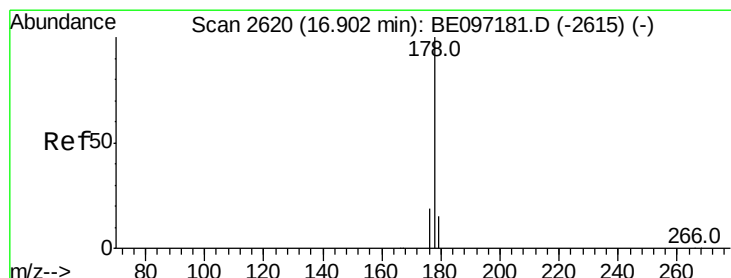
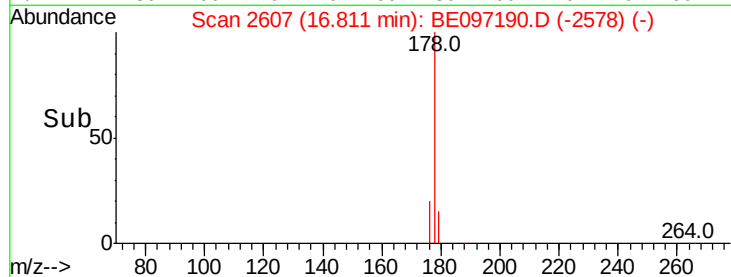
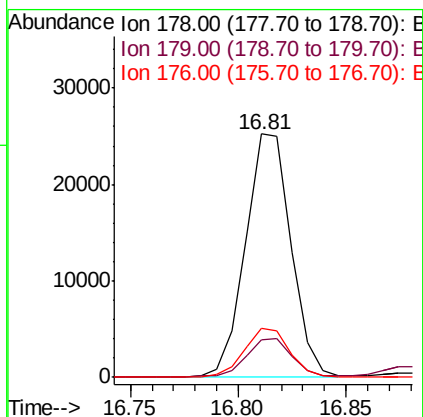
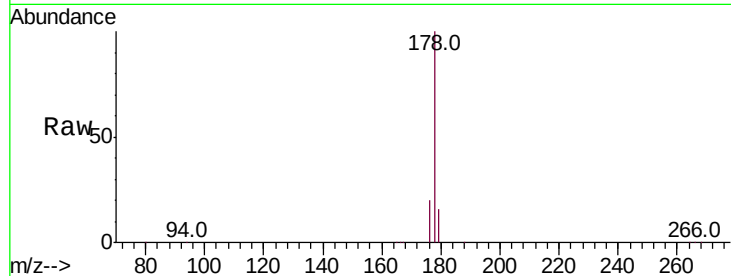
#12
Phenanthrene
Concen: 1.311 ng/ul m
RT: 16.81 min Scan# 2607
Delta R.T. 0.00 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Instrument :
BNA_E
ClientSampleId :
JJ1L4

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	18.4	27.6#
176	19.9	13.6	20.4

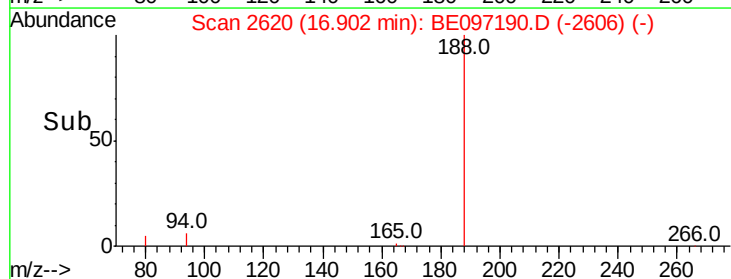
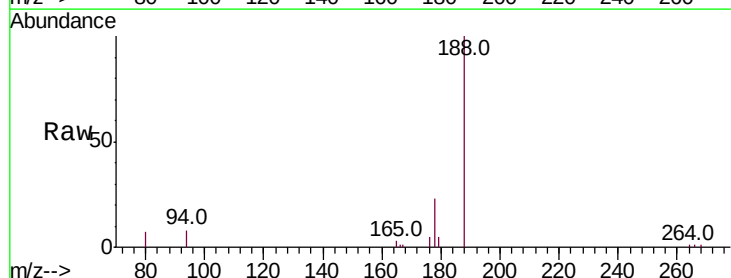
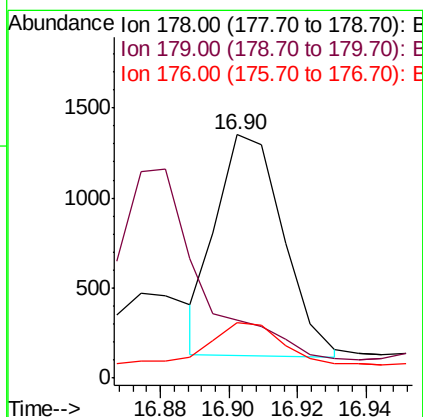
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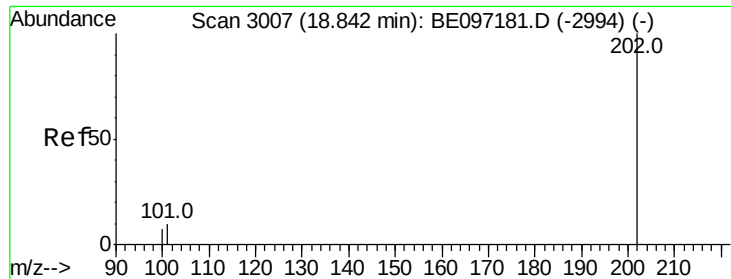
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#13
Anthracene
Concen: 0.063 ng/ul m
RT: 16.90 min Scan# 2620
Delta R.T. 0.00 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	23.6	18.1	27.1
176	22.9	14.7	22.1#





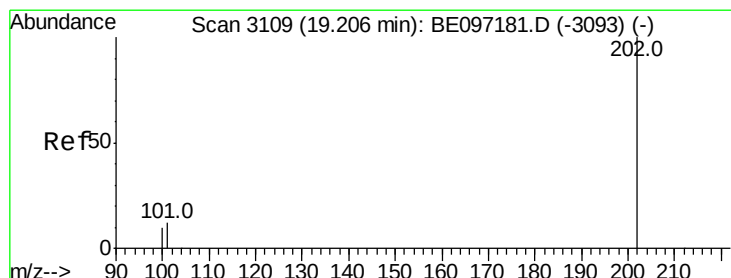
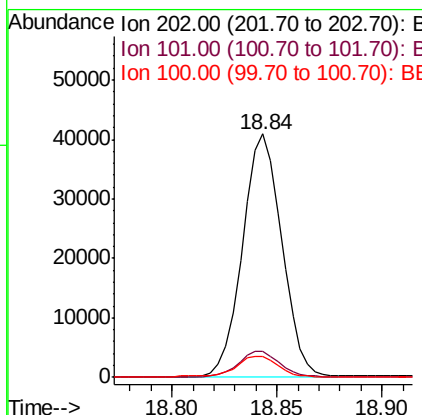
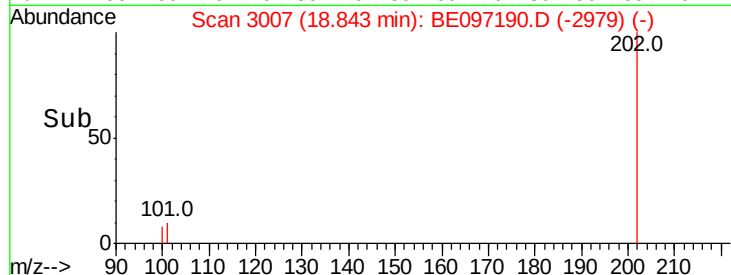
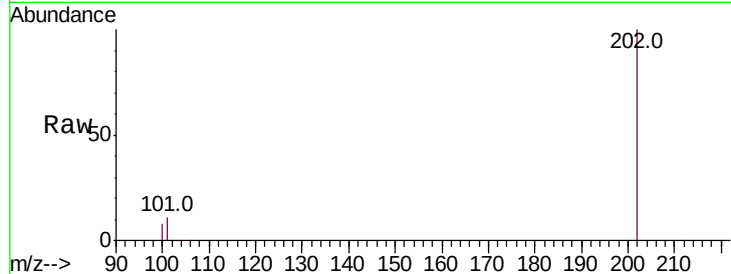
#15
Fluoranthene
Concen: 1.416 ng/ul m
RT: 18.84 min Scan# 3007
Delta R.T. 0.00 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Instrument :
BNA_E
ClientSampled :
JJ1L4

Tot Ion	Ratio	Resp	Lower	Upper
202	100	53108		
101	10.7		0.0	30.3
100	8.4		0.0	39.5

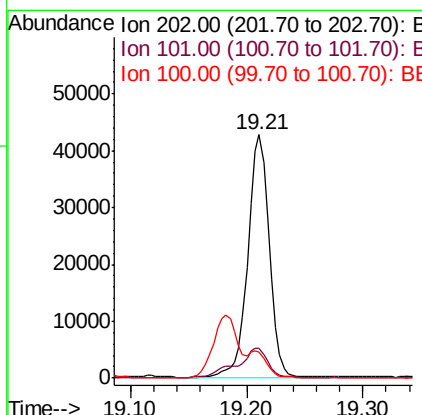
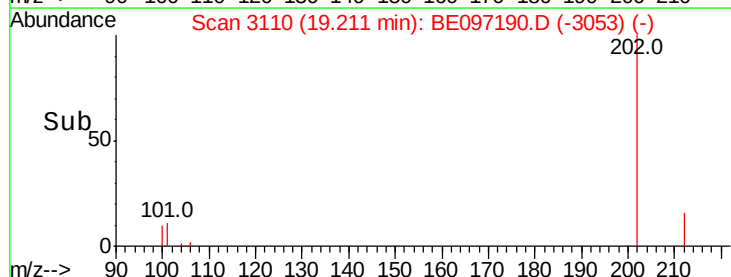
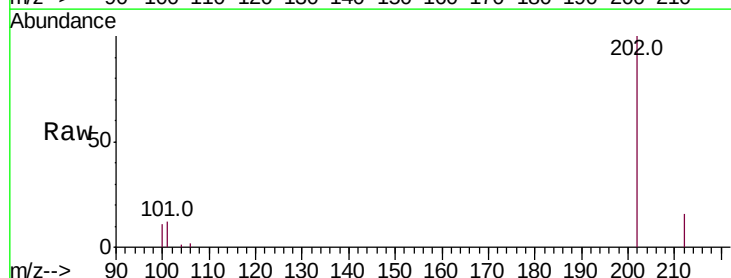
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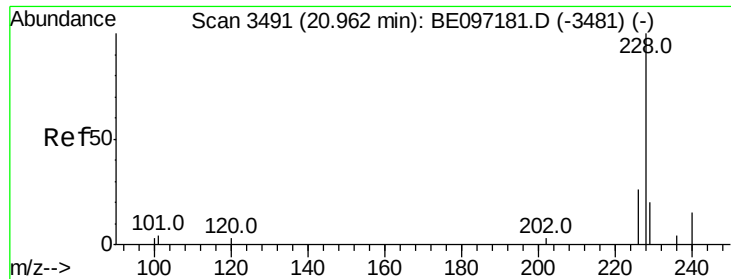
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#17
Pyrene
Concen: 1.704 ng/ul
RT: 19.21 min Scan# 3110
Delta R.T. 0.00 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	54572		
101	12.3		18.2	27.4#
100	10.5		15.6	23.4#





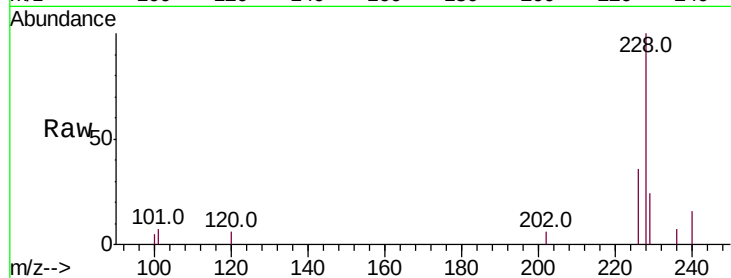
#18
Benzo(a)anthracene
Concen: 0.421 ng/ul m
RT: 20.96 min Scan# 3491
Delta R.T. 0.00 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Instrument :
BNA_E
ClientSampleId :
JJ1L4

Tot Ion	Ratio	Lower	Upper
228	100		
229	24.4	22.8	34.2
226	36.0	17.0	25.6

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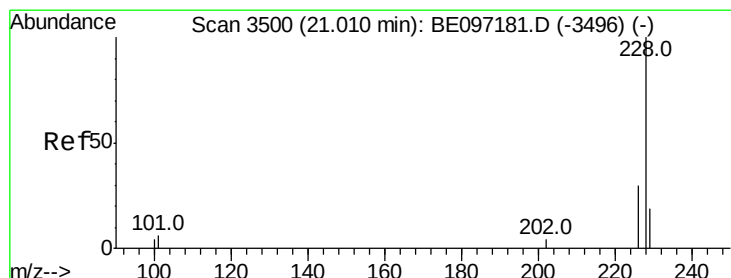
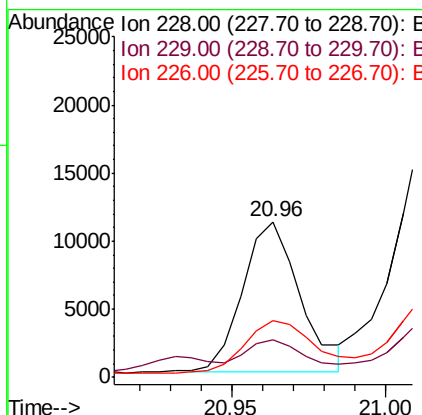
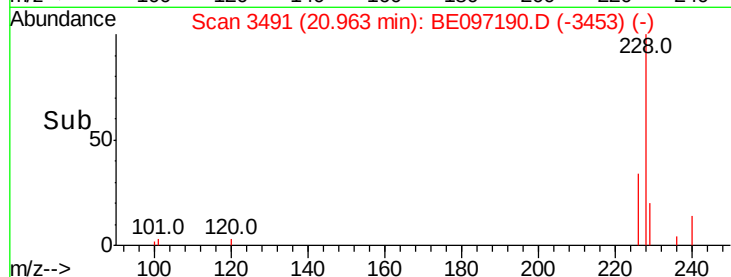


Abundance

Ion 228.00 (227.70 to 228.70): E

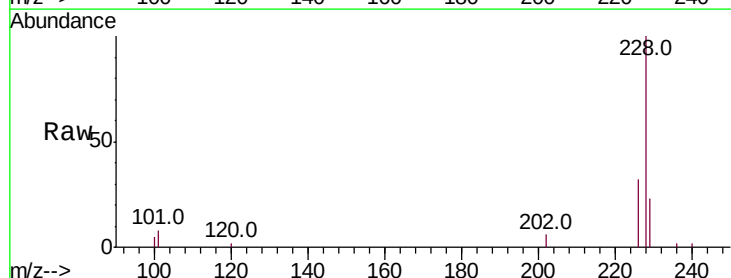
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#19
Chrysene
Concen: 0.701 ng/ul
RT: 21.01 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.4	35.0
229	23.3	17.7	26.5

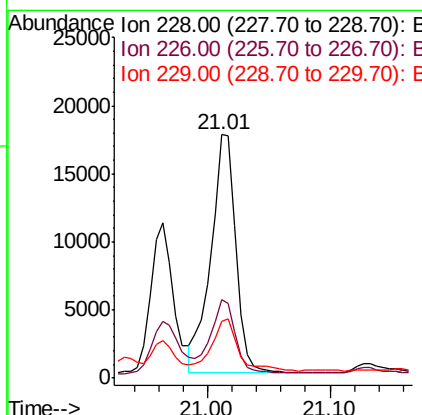
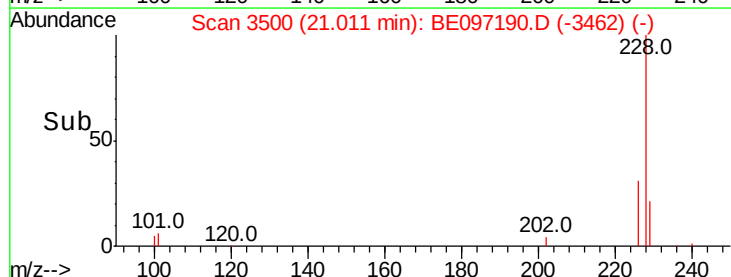


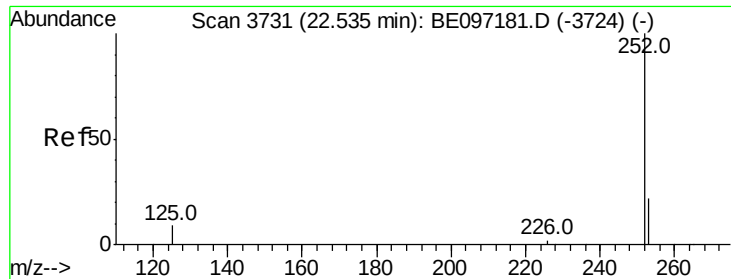
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.936 ng/ul m

RT: 22.54 min Scan# 3732

Delta R.T. 0.01 min

Lab File: BE097190.D

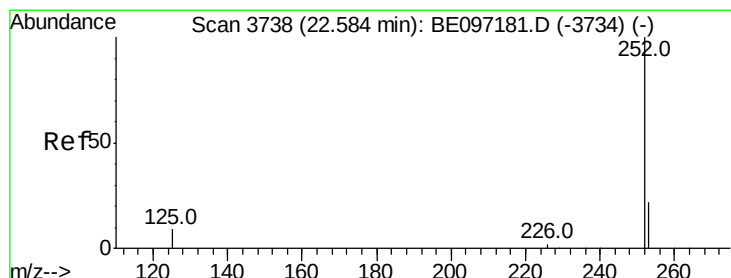
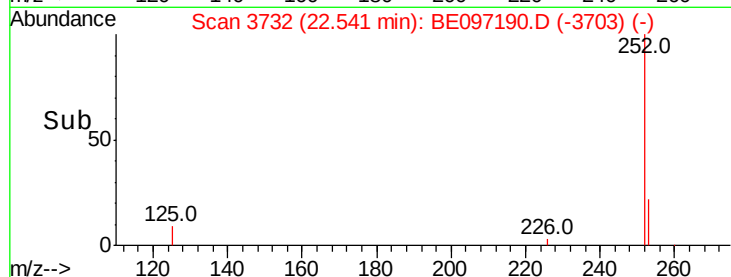
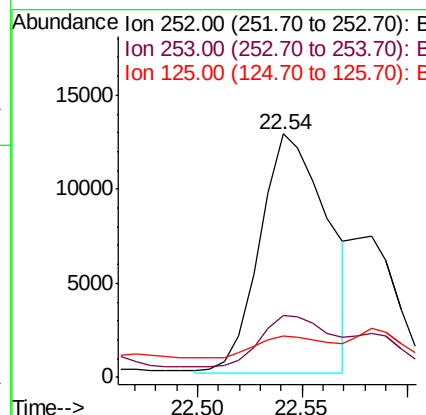
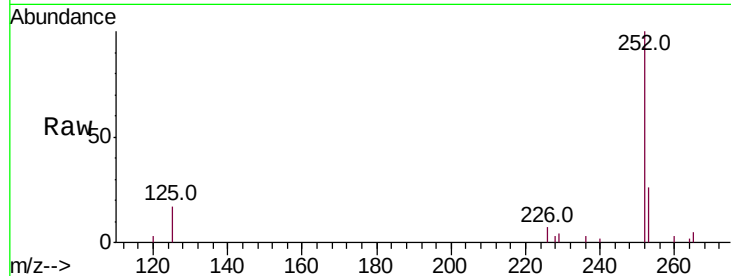
Acq: 3 Aug 2018 21:47

Instrument :
BNA_E
ClientSampleId :
JJ1L4

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.6	0.0	64.2
125	16.9	0.0	35.0

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#22

Benzo(k)fluoranthene

Concen: 0.334 ng/ul m

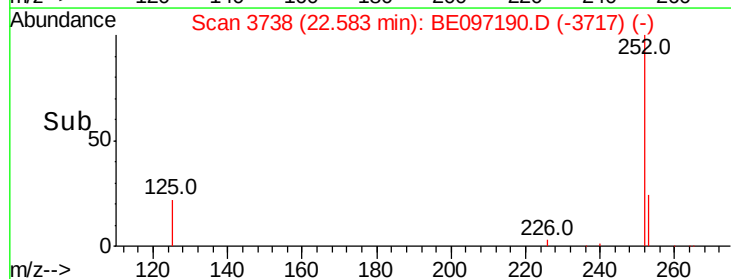
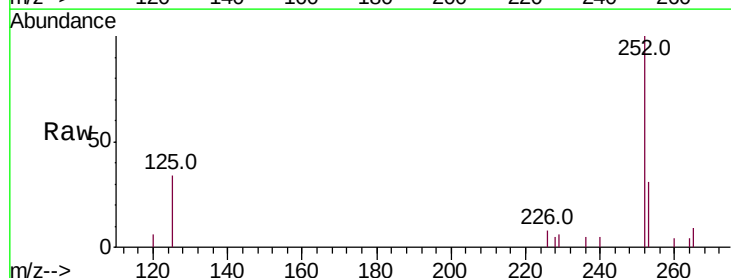
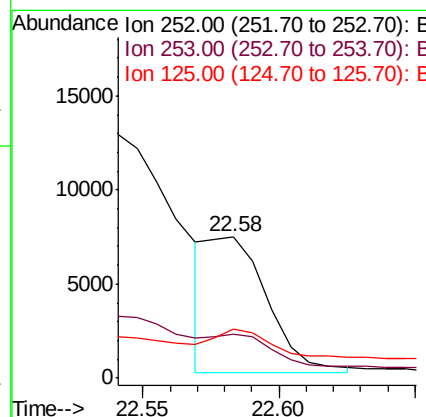
RT: 22.58 min Scan# 3738

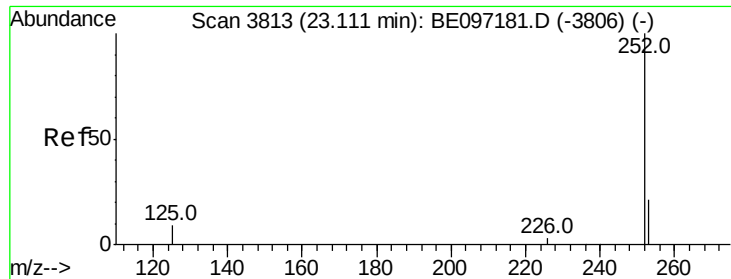
Delta R.T. -0.00 min

Lab File: BE097190.D

Acq: 3 Aug 2018 21:47

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	31.4	24.5	36.7
125	34.4	13.7	20.5





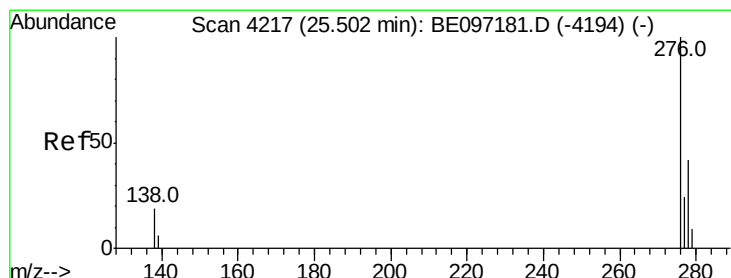
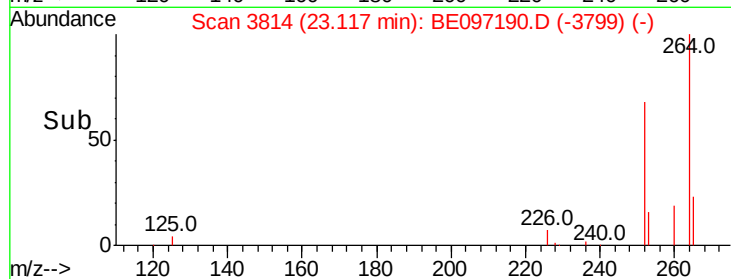
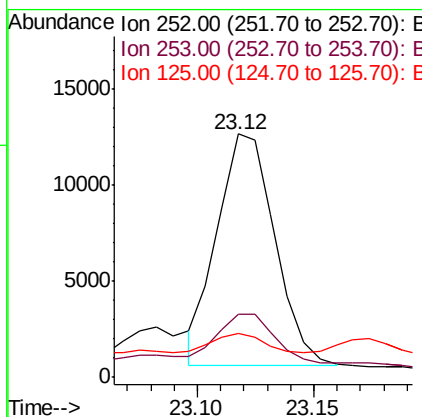
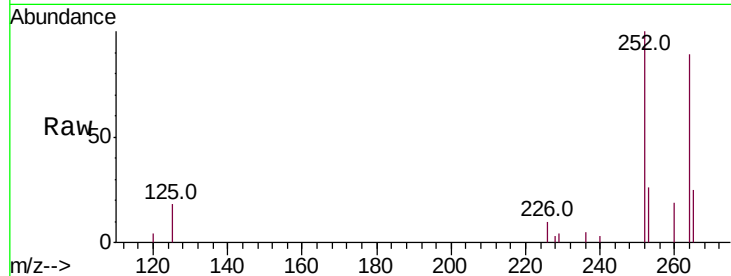
#23
Benzo(a)pyrene
Concen: 0.673 ng/ul m
RT: 23.12 min Scan# 3814
Delta R.T. 0.01 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Instrument :
BNA_E
ClientSampleId :
JJ1L4

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	28.5	42.7#
125	17.9	18.1	27.1#

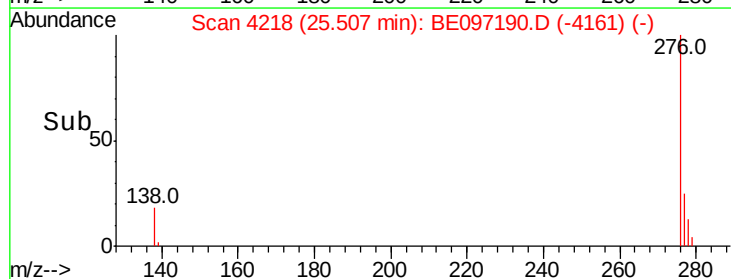
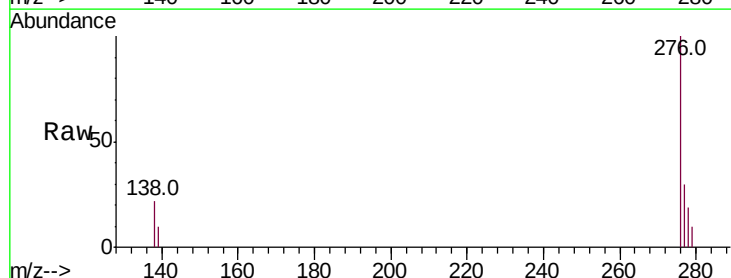
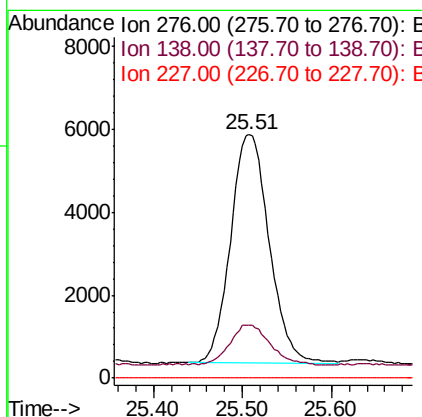
Manual Integrations
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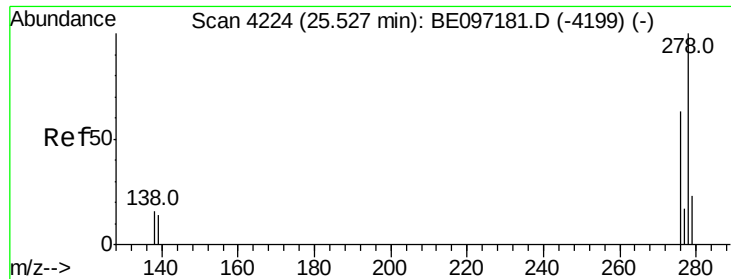
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#24
Indeno(1,2,3-cd)pyrene
Concen: 0.434 ng/ul
RT: 25.51 min Scan# 4218
Delta R.T. 0.00 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	28.0	42.0#
227	0.0	8.0	12.0#





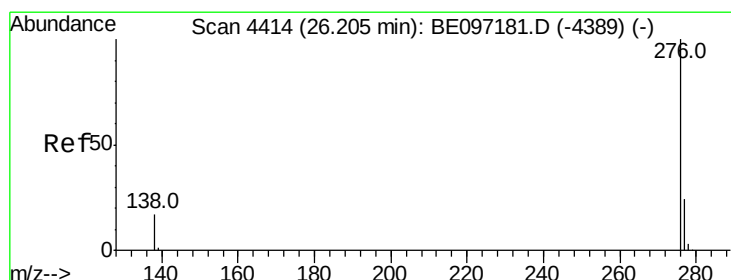
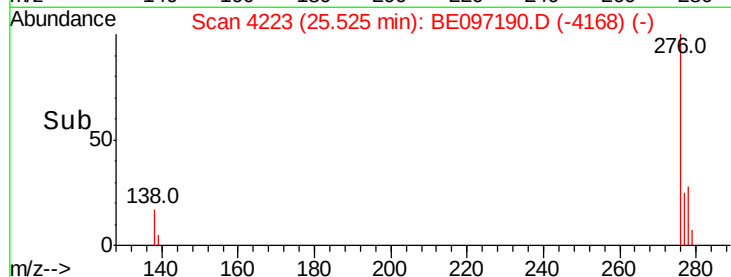
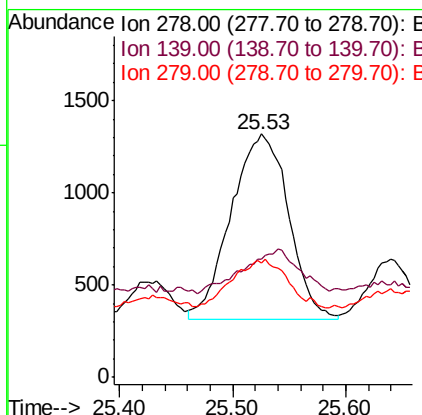
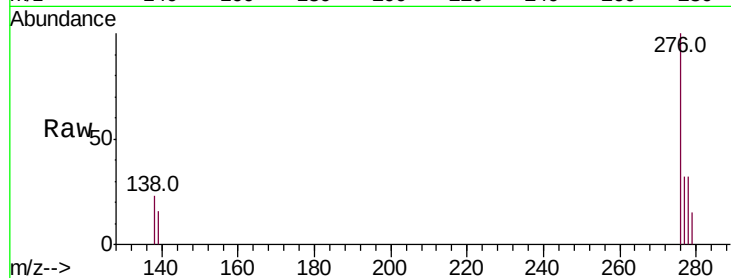
#25
Dibenzo(a,h)anthracene
Concen: 0.113 ng/ul
RT: 25.53 min Scan# 4223
Delta R.T. -0.00 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Instrument :
BNA_E
ClientSampleId :
JJ1L4

Tot Ion	Ratio	Lower	Upper
278	100		
139	48.8	17.4	26.0#
279	46.8	25.9	38.9#

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:35 PM



#26
Benzo(g,h,i)perylene
Concen: 0.516 ng/ul
RT: 26.21 min Scan# 4415
Delta R.T. 0.00 min
Lab File: BE097190.D
Acq: 3 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	21.8	32.8
277	27.8	20.5	30.7

