

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE082918\
 Data File : BE097395.D
 Acq On : 29 Aug 2018 18:39
 Operator : SJ/JU
 Sample : J4596-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Z34

Manual Integrations
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Sohil
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Quant Time: Aug 30 03:32:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 02:12:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	936	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	4998	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	3478	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	8865m	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	10296m	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	8597m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	1665	0.21	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	6462m	0.22	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.17	128	17301	1.420	ng/ul#	91
5) 2-Methylnaphthalene	11.79	142	8142	1.057	ng/ul	97
7) Acenaphthylene	13.72	152	2665	0.210	ng/ul#	91
8) Acenaphthene	14.07	153	8015	0.735	ng/ul	96
9) Fluorene	15.07	166	18307	1.467	ng/ul#	93
12) Phenanthrene	16.80	178	184720m	8.095	ng/ul	
13) Anthracene	16.89	178	27962m	1.457	ng/ul	
15) Fluoranthene	18.83	202	201392m	6.870	ng/ul	
17) Pyrene	19.19	202	202279	7.301	ng/ul#	80
18) Benzo(a)anthracene	20.95	228	83102m	3.142	ng/ul	
19) Chrysene	21.00	228	86176	2.828	ng/ul	97
21) Benzo(b)fluoranthene	22.53	252	103006m	4.474	ng/ul	
22) Benzo(k)fluoranthene	22.57	252	38279m	1.491	ng/ul	
23) Benzo(a)pyrene	23.10	252	79977m	3.755	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.49	276	49759m	1.802	ng/ul	
25) Dibenzo(a,h)anthracene	25.50	278	12400m	0.530	ng/ul	
26) Benzo(g,h,i)perylene	26.18	276	48056m	2.042	ng/ul	

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

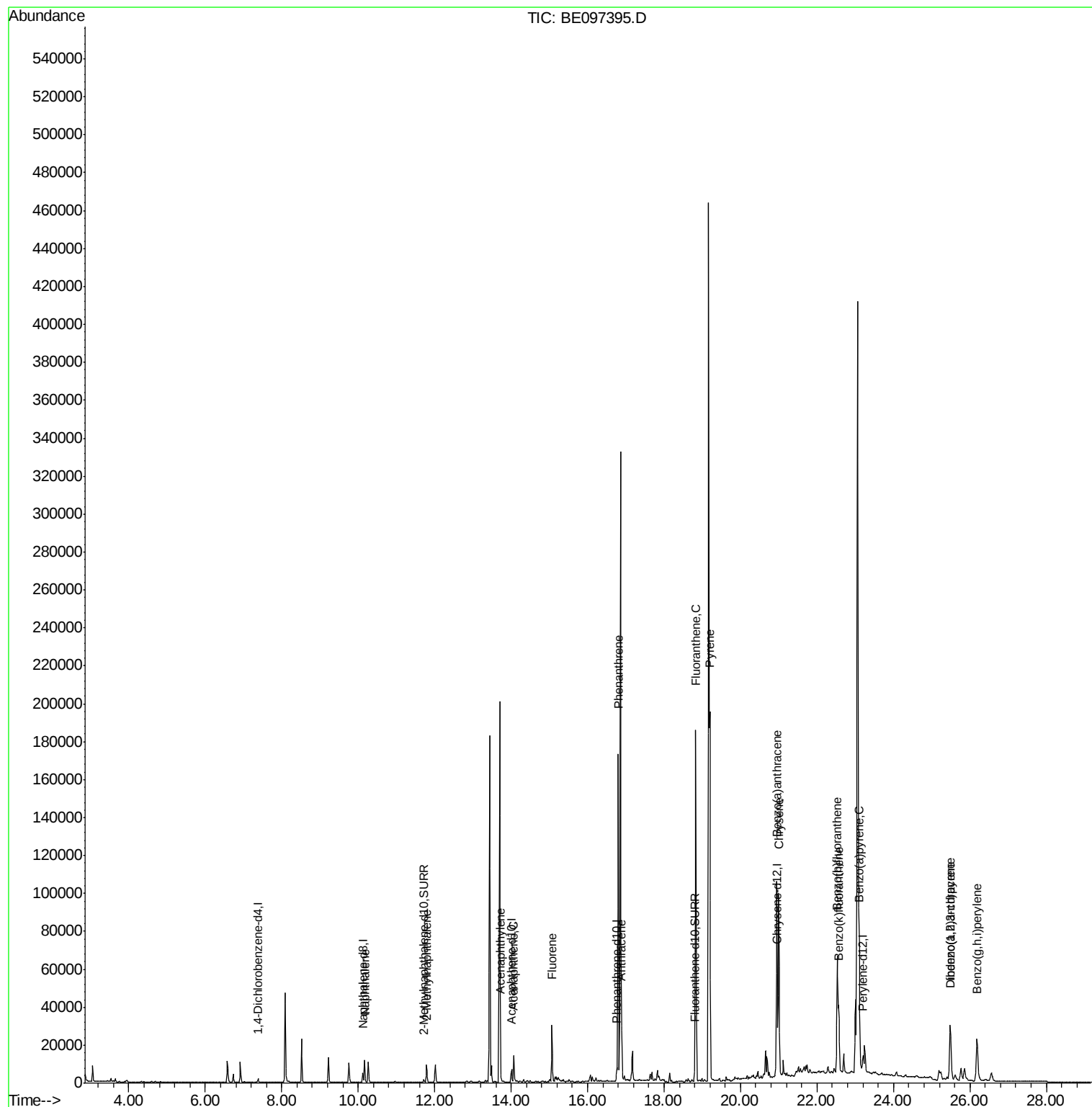
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE082918\
Data File : BE097395.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

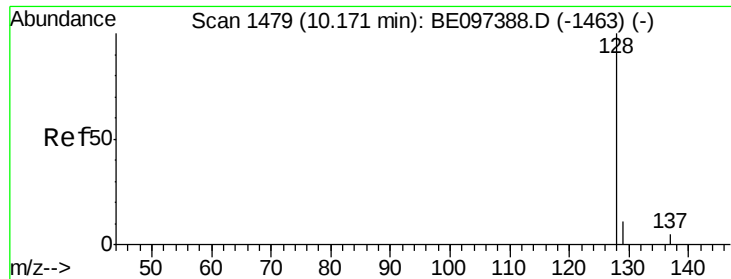
Instrument :
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Quant Time: Aug 30 03:32:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
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#3

Naphthalene

Concen: 1.420 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE097395.D

Acq: 29 Aug 2018 18:39

Instrument :

BNA_E

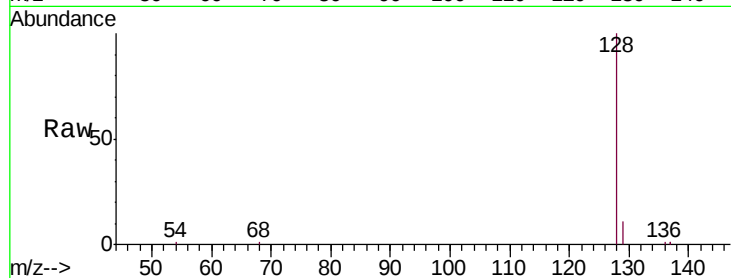
ClientSampleId :

A3Z34

Tgt Ion:	128	Resp:	17301
Ion Ratio	Lower	Upper	
128	100		
129	11.3	11.3	16.9#
127	0.0	4.0	6.0#

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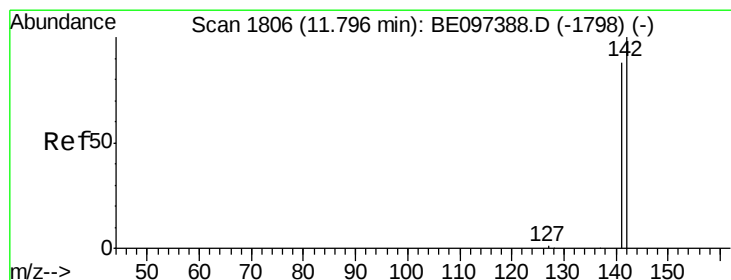
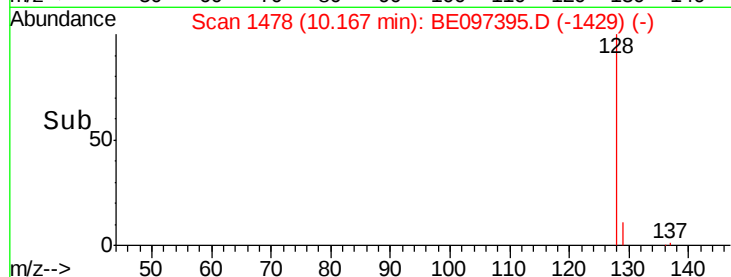
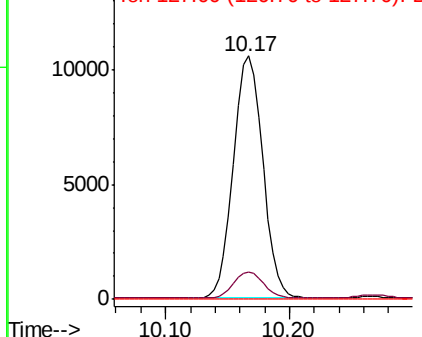
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.057 ng/ul

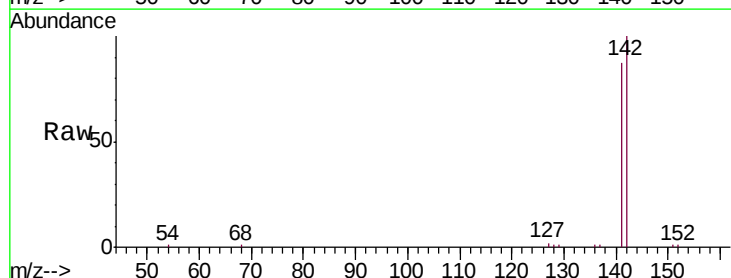
RT: 11.79 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BE097395.D

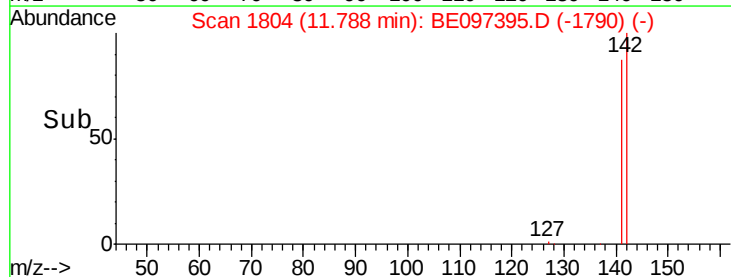
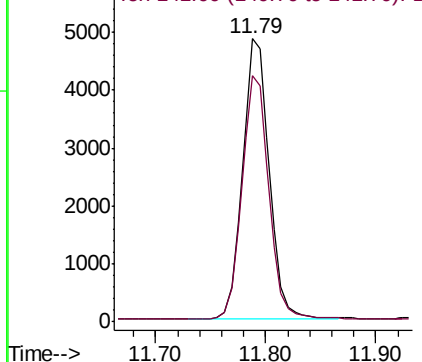
Acq: 29 Aug 2018 18:39

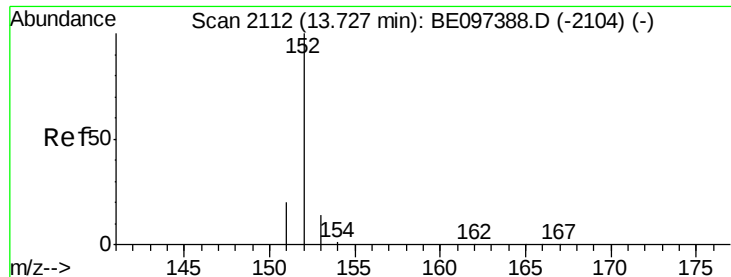
Tgt Ion:	142	Resp:	8142
Ion Ratio	Lower	Upper	
142	100		
141	87.8	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.210 ng/ul

RT: 13.72 min Scan# 2111

Delta R.T. -0.01 min

Lab File: BE097395.D

Acq: 29 Aug 2018 18:39

Instrument :

BNA_E

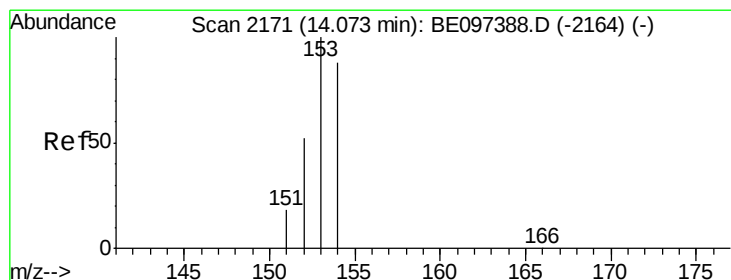
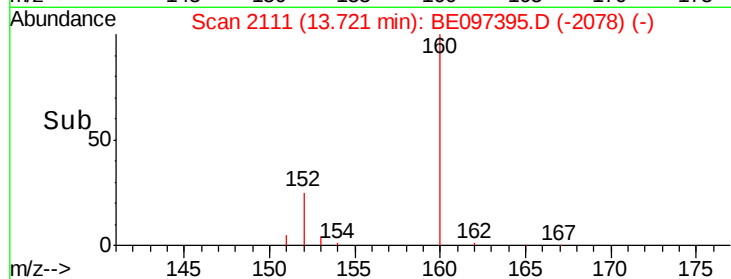
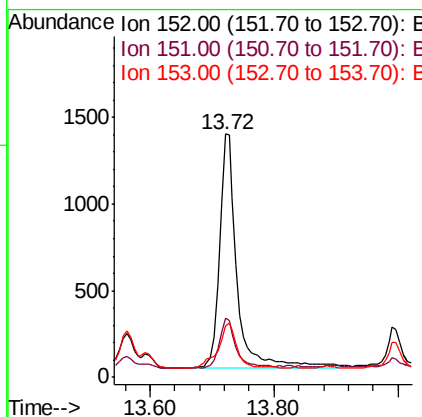
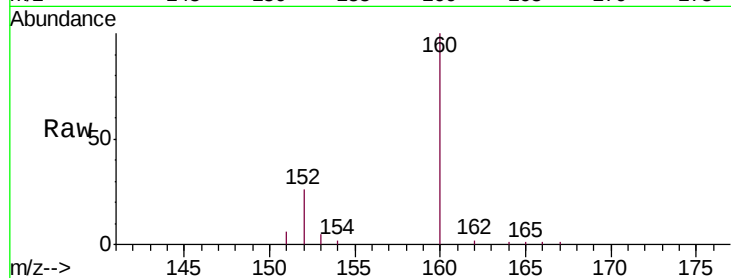
ClientSampleId :

A3Z34

Tgt Ion:	152	Resp:	2665
Ion Ratio	Lower	Upper	
152	100		
151	24.4	17.1	25.7
153	21.2	12.8	19.2

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#8

Acenaphthene

Concen: 0.735 ng/ul

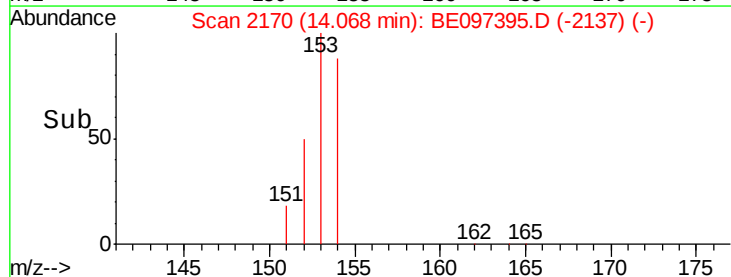
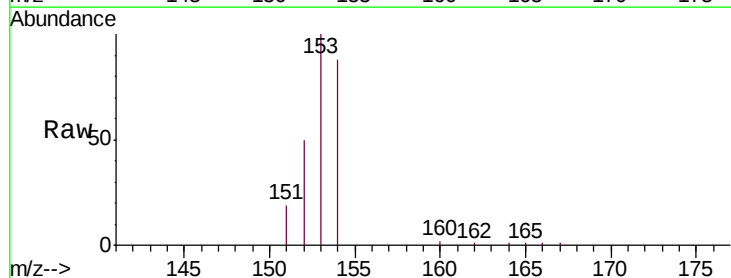
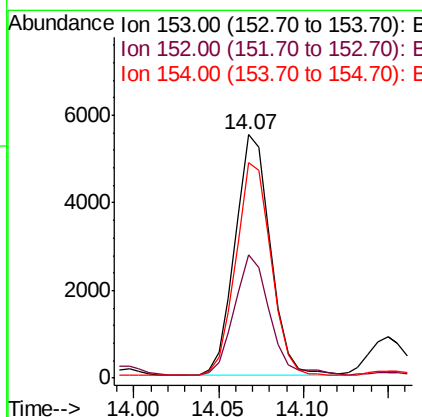
RT: 14.07 min Scan# 2170

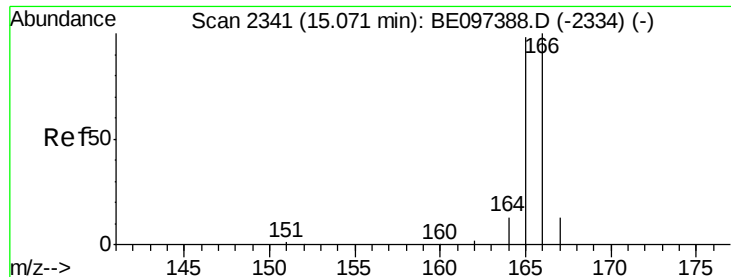
Delta R.T. -0.01 min

Lab File: BE097395.D

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Tgt Ion:	153	Resp:	8015
Ion Ratio	Lower	Upper	
153	100		
152	50.4	36.0	54.0
154	88.3	72.0	108.0





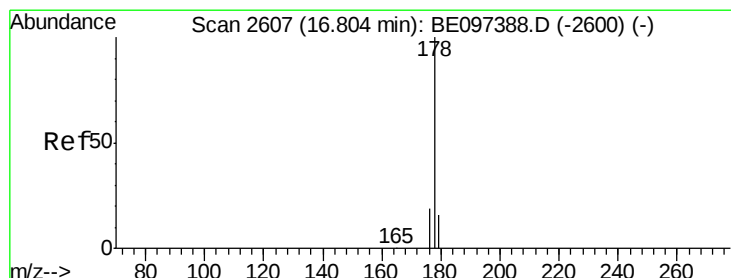
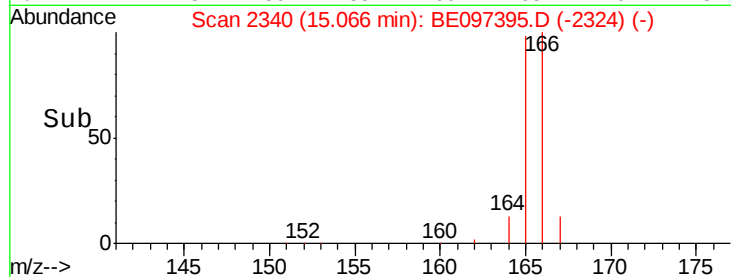
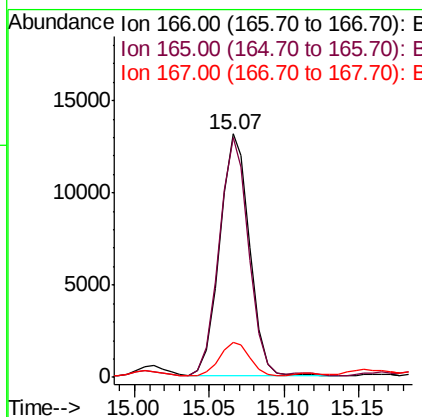
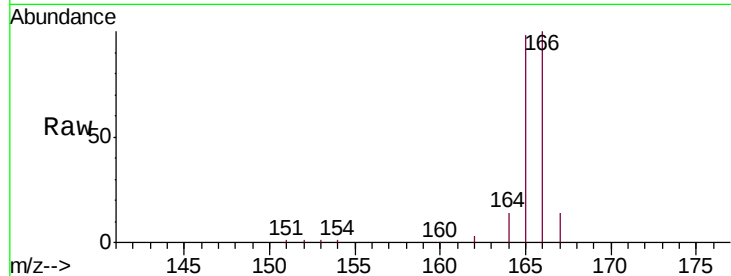
#9
Fluorene
 Concen: 1.467 ng/ul
 RT: 15.07 min Scan# 2340
 Delta R.T. -0.01 min
 Lab File: BE097395.D
 Acq: 29 Aug 2018 18:39

Instrument :
 BNA_E
 ClientSampleId :
 A3Z34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	73.4	110.2
167	14.4	14.6	22.0

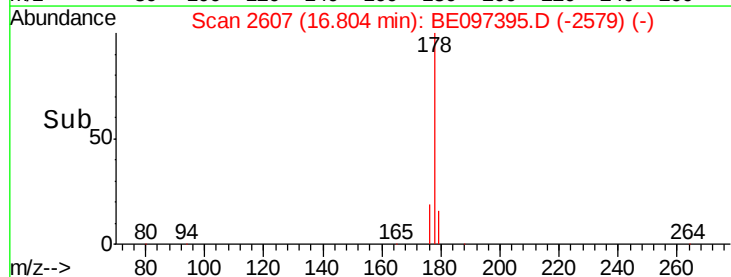
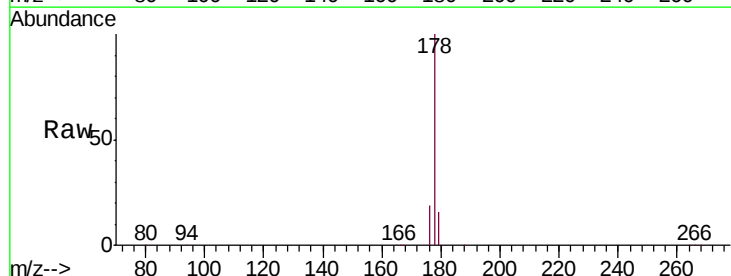
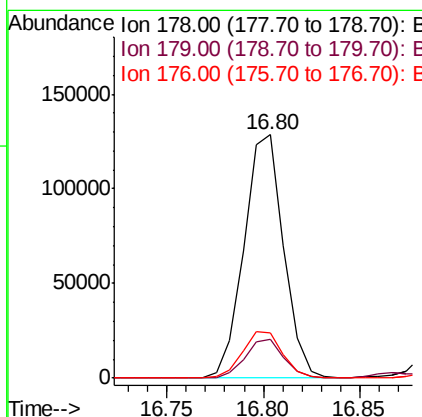
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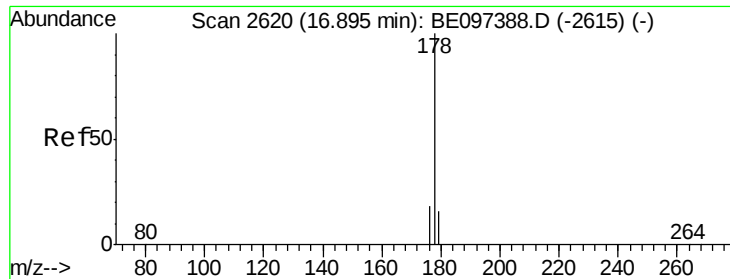
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#12
Phenanthrene
 Concen: 8.095 ng/ul m
 RT: 16.80 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: BE097395.D
 Acq: 29 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	18.4	27.6
176	18.7	13.6	20.4





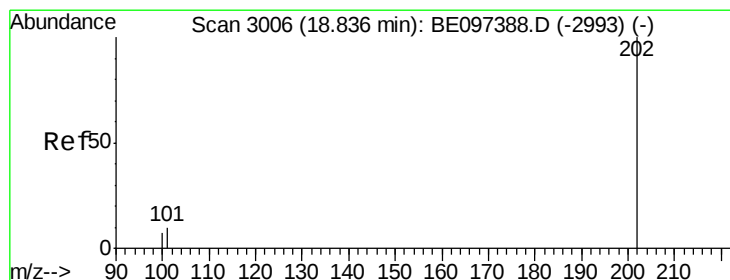
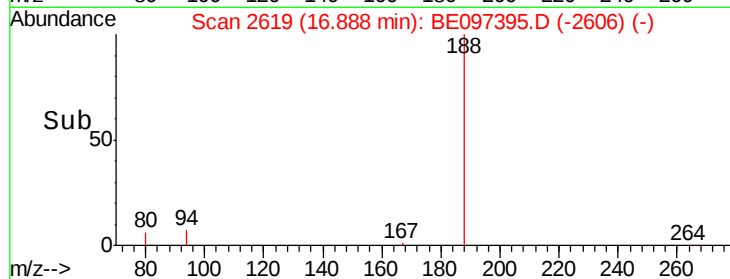
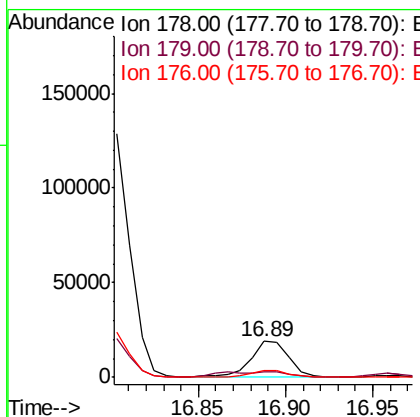
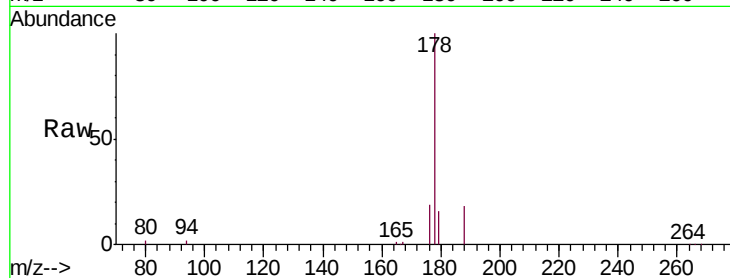
#13
 Anthracene
 Concen: 1.457 ng/ul m
 RT: 16.89 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: BE097395.D
 Acq: 29 Aug 2018 18:39

Instrument :
 BNA_E
 ClientSampleId :
 A3Z34

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	18.1	27.1#
176	19.5	14.7	22.1

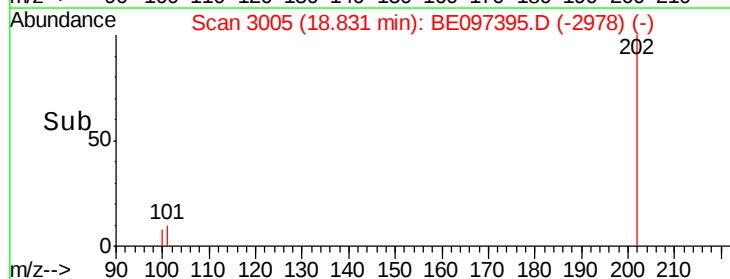
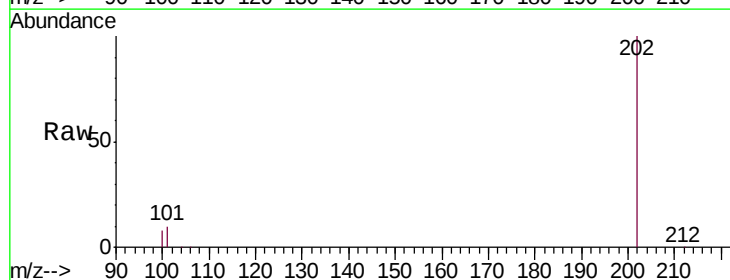
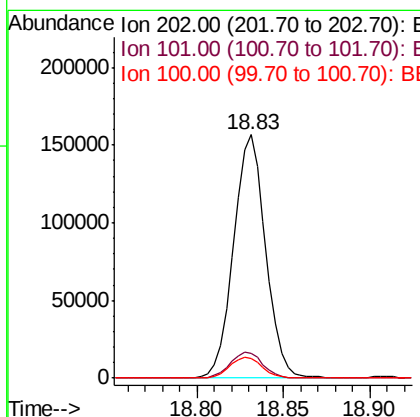
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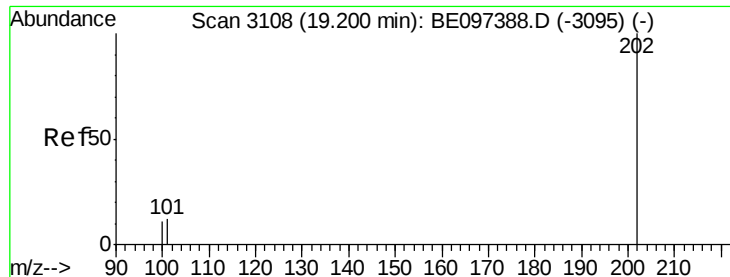
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#15
 Fluoranthene
 Concen: 6.870 ng/ul m
 RT: 18.83 min Scan# 3005
 Delta R.T. -0.00 min
 Lab File: BE097395.D
 Acq: 29 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.3
100	8.0	0.0	39.5





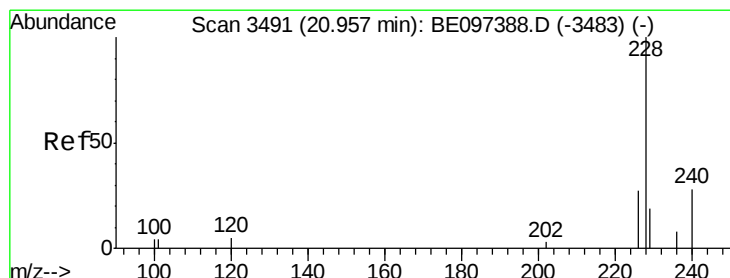
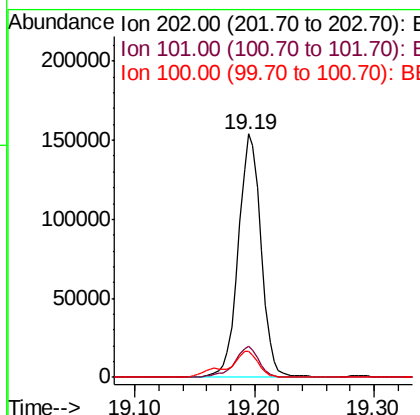
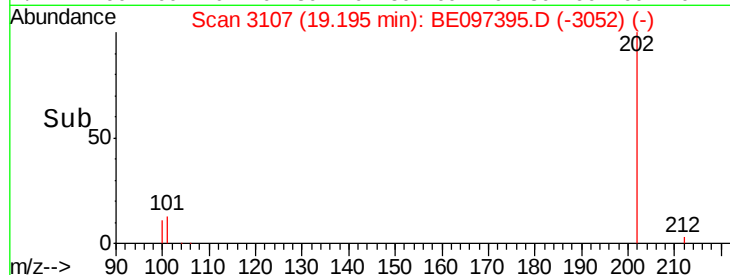
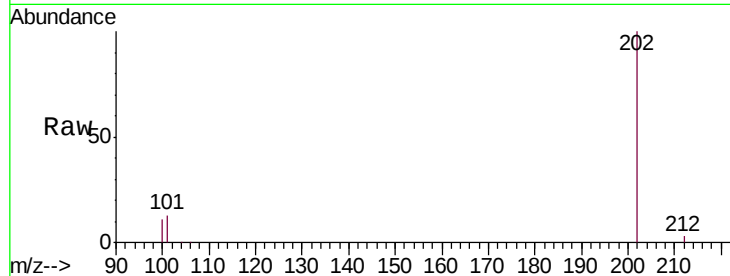
#17
 Pyrene
 Concen: 7.301 ng/ul
 RT: 19.19 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: BE097395.D
 Acq: 29 Aug 2018 18:39

Instrument :
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 ClientSampleId :
 A3Z34

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.7	18.2	27.4#
100	10.8	15.6	23.4#

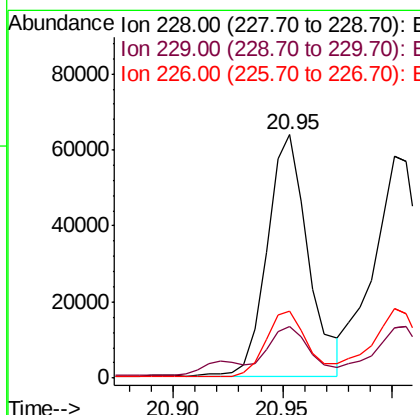
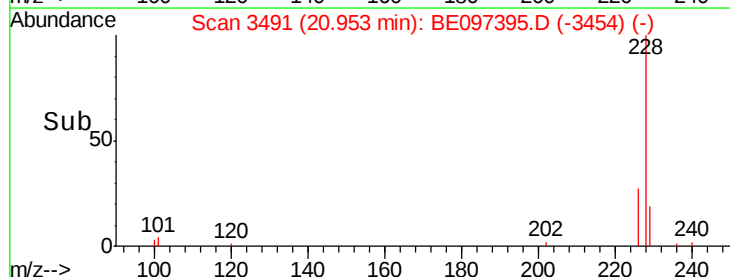
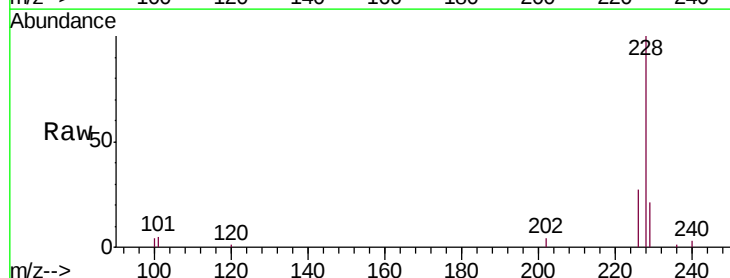
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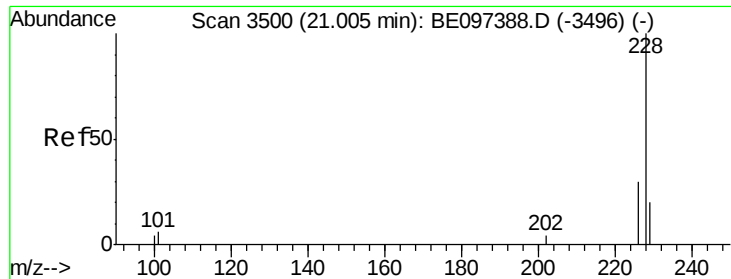
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#18
 Benzo(a)anthracene
 Concen: 3.142 ng/ul m
 RT: 20.95 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: BE097395.D
 Acq: 29 Aug 2018 18:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.2	22.8	34.2#
226	27.5	17.0	25.6#





#19

Chrysene

Concen: 2.828 ng/ul

RT: 21.00 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BE097395.D

Acq: 29 Aug 2018 18:39

Instrument :

BNA_E

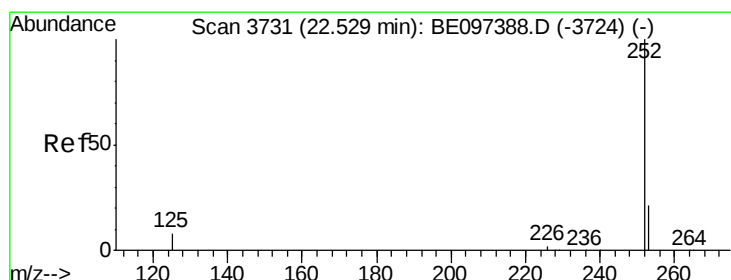
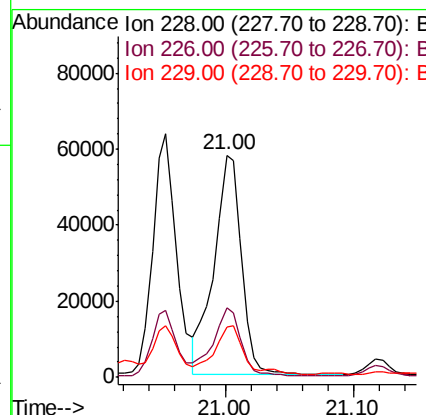
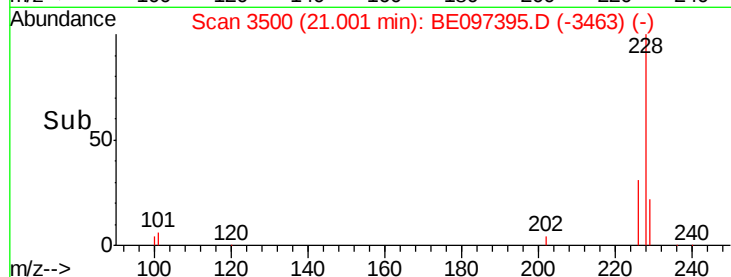
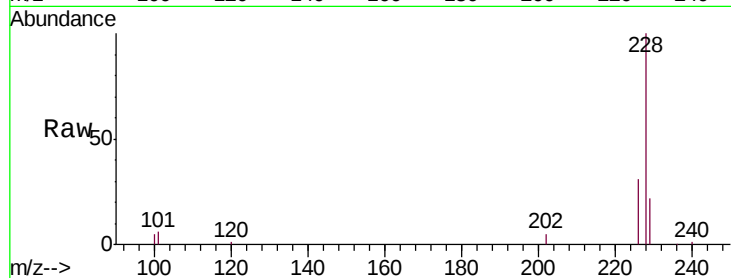
ClientSampleId :

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Tgt Ion:	228	Resp:	86176
Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.4	35.0
229	22.5	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 4.474 ng/ul m

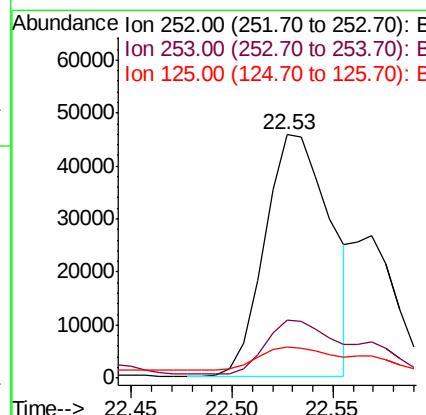
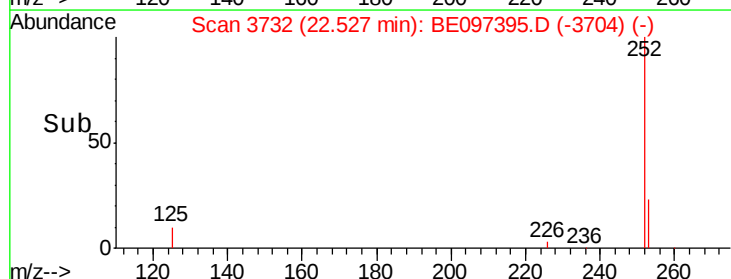
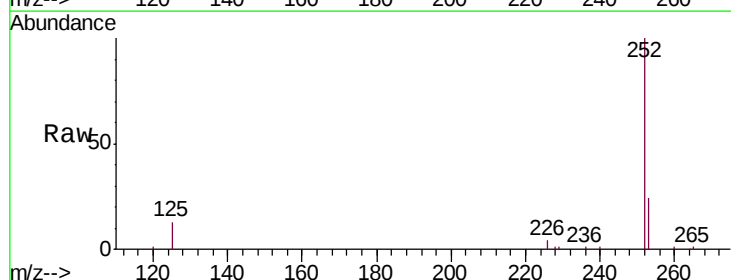
RT: 22.53 min Scan# 3732

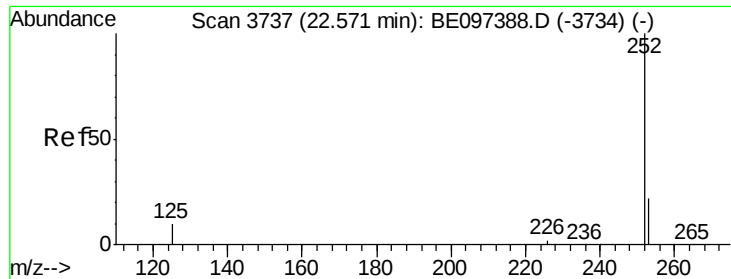
Delta R.T. -0.00 min

Lab File: BE097395.D

Acq: 29 Aug 2018 18:39

Tgt Ion:	252	Resp:	103006
Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	64.2
125	12.7	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 1.491 ng/ul m

RT: 22.57 min Scan# 3738

Delta R.T. -0.00 min

Lab File: BE097395.D

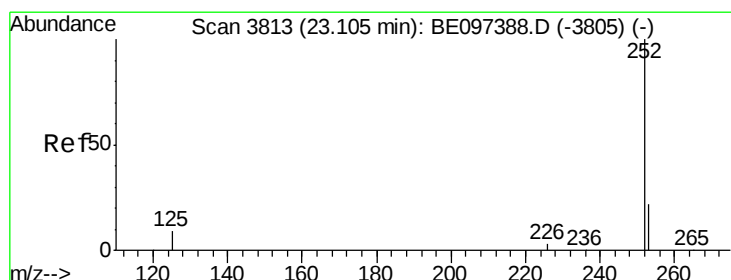
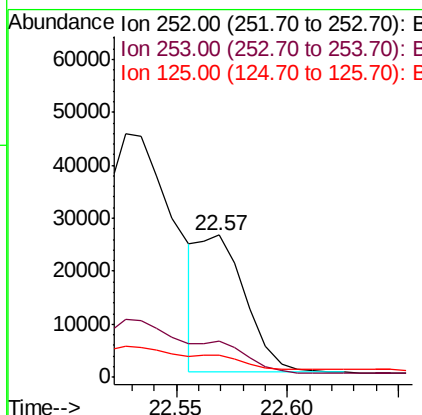
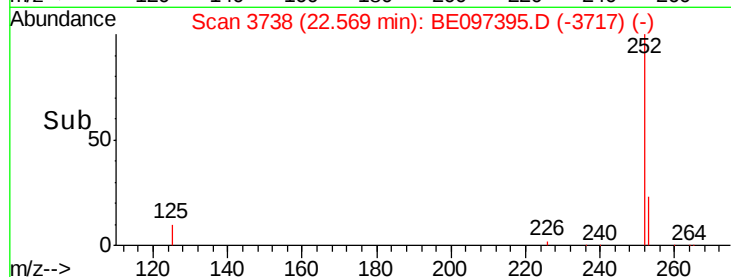
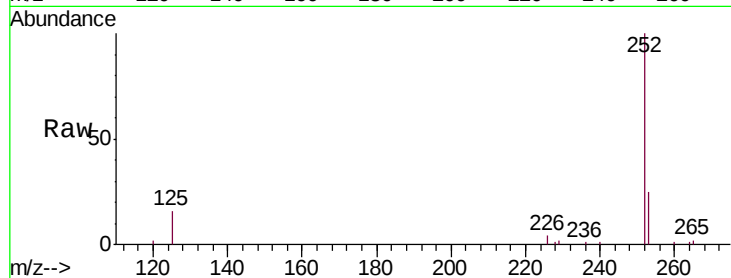
Acq: 29 Aug 2018 18:39

Instrument :
BNA_E
ClientSampleId :
A3Z34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	24.5	36.7
125	15.6	13.7	20.5

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#23

Benzo(a)pyrene

Concen: 3.755 ng/ul m

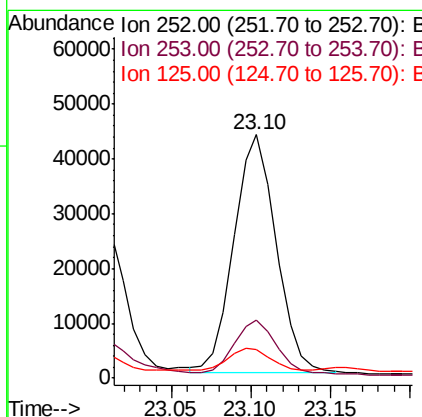
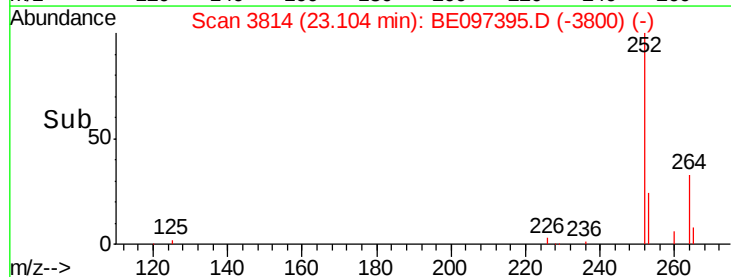
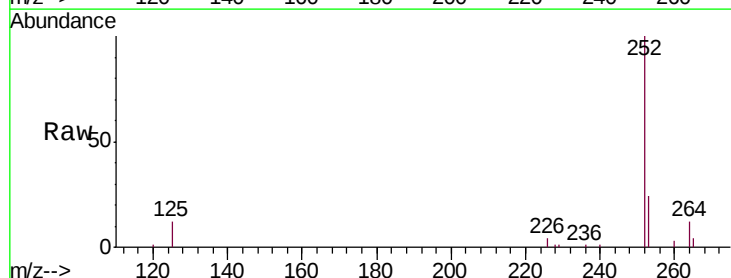
RT: 23.10 min Scan# 3814

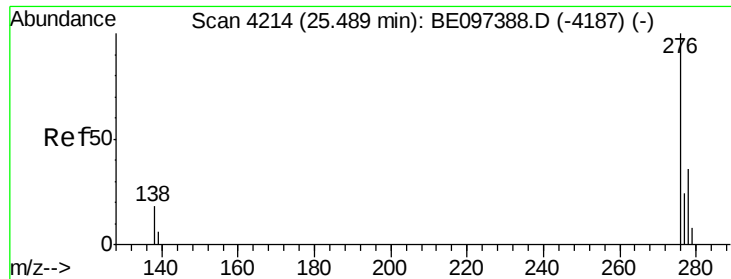
Delta R.T. -0.00 min

Lab File: BE097395.D

Acq: 29 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	28.5	42.7#
125	11.9	18.1	27.1#





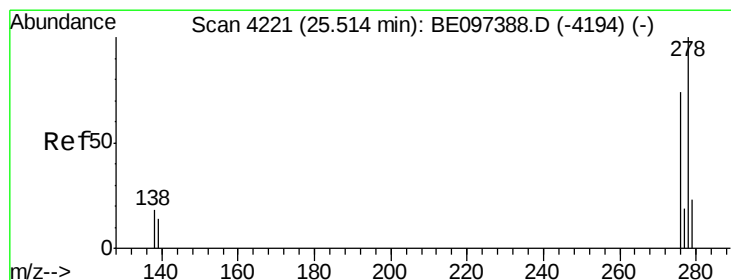
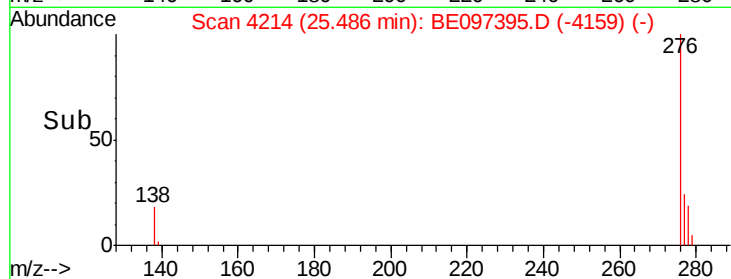
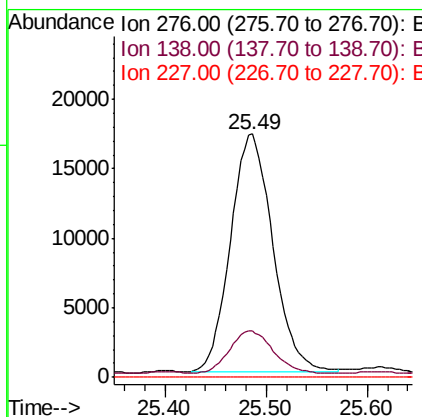
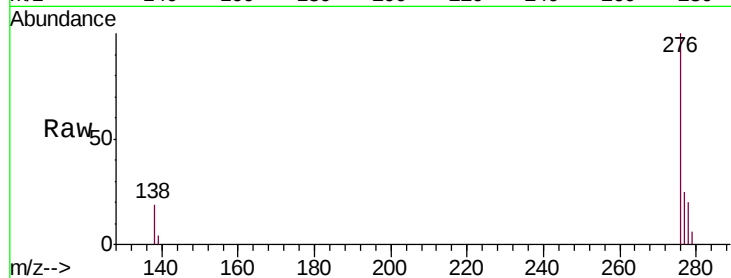
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.802 ng/ul m
 RT: 25.49 min Scan# 4214
 Delta R.T. -0.00 min
 Lab File: BE097395.D
 Acq: 29 Aug 2018 18:39

Instrument :
 BNA_E
 ClientSampleId :
 A3Z34

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	2.3	28.0	42.0#
227	0.0	8.0	12.0#

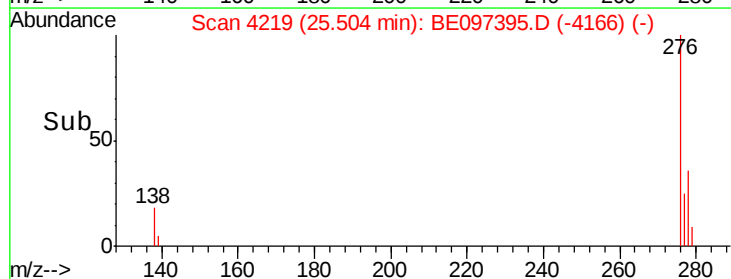
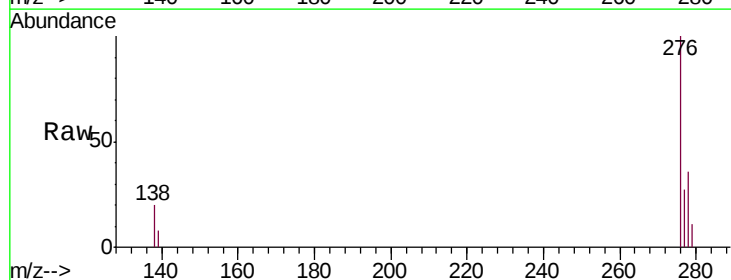
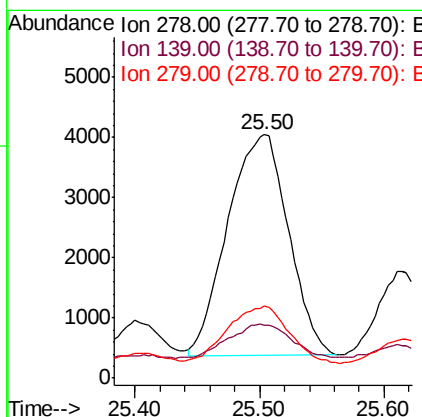
Manual Integrations
 APPROVED

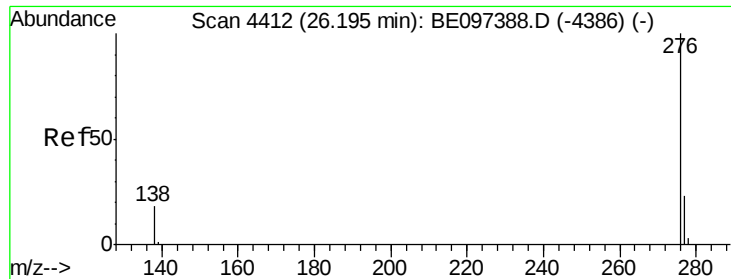
Sohil
 8/30/2018 5:36:51 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.530 ng/ul m
 RT: 25.50 min Scan# 4219
 Delta R.T. -0.01 min
 Lab File: BE097395.D
 Acq: 29 Aug 2018 18:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	21.8	17.4	26.0
279	29.7	25.9	38.9





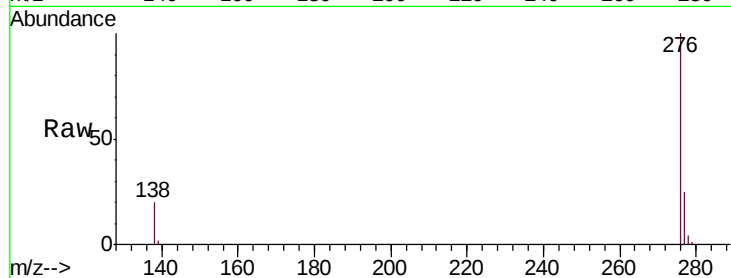
#26
 Benzo(g,h,i)perylene
 Concen: 2.042 ng/ul m
 RT: 26.18 min Scan# 4410
 Delta R.T. -0.01 min
 Lab File: BE097395.D
 Acq: 29 Aug 2018 18:39

Instrument :
 BNA_E
 ClientSampleId :
 A3Z34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	21.8	32.8#
277	25.1	20.5	30.7

Manual Integrations
 APPROVED

Sohil
 8/30/2018 5:36:51 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

