

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095897.D
 Acq On : 29 Mar 2018 3:16
 Operator : SJ/JU
 Sample : J2060-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AS5

Manual Integrations
 APPROVED

Sohil
 3/29/2018 5:18:52 PM

Quant Time: Mar 29 07:13:56 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 07:00:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	1944	0.40	ng/ul	0.00
2) Naphthalene-d8	11.23	136	5782	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.00	164	3763	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.70	188	8930m	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	9175m	0.40	ng/ul	0.00
20) Perylene-d12	24.42	264	9482m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.80	152	2231	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.68	212	7068m	0.25	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.29	128	12809	0.794	ng/ul#	89
5) 2-Methylnaphthalene	12.86	142	7236	0.645	ng/ul	99
7) Acenaphthylene	14.73	152	680	0.036	ng/ul#	69
8) Acenaphthene	15.06	153	14895	1.041	ng/ul	94
9) Fluorene	16.02	166	6120	0.394	ng/ul	90
12) Phenanthrene	17.74	178	141323m	5.284	ng/ul	
13) Anthracene	17.83	178	44838m	1.793	ng/ul	
15) Fluoranthene	19.71	202	325726m	10.055	ng/ul	
17) Pyrene	20.06	202	341709	9.808	ng/ul#	79
18) Benzo(a)anthracene	21.77	228	328754m	11.105	ng/ul	
19) Chrysene	21.83	228	228538	7.582	ng/ul	98
21) Benzo(b)fluoranthene	23.60	252	291582m	8.877	ng/ul	
22) Benzo(k)fluoranthene	23.65	252	106391m	3.407	ng/ul	
23) Benzo(a)pyrene	24.30	252	217085m	7.239	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.22	276	136091m	4.093	ng/ul	
25) Dibenzo(a,h)anthracene	27.22	278	41492m	1.561	ng/ul	
26) Benzo(a,h,i)perylene	28.10	276	125399m	4.390	ng/ul	

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

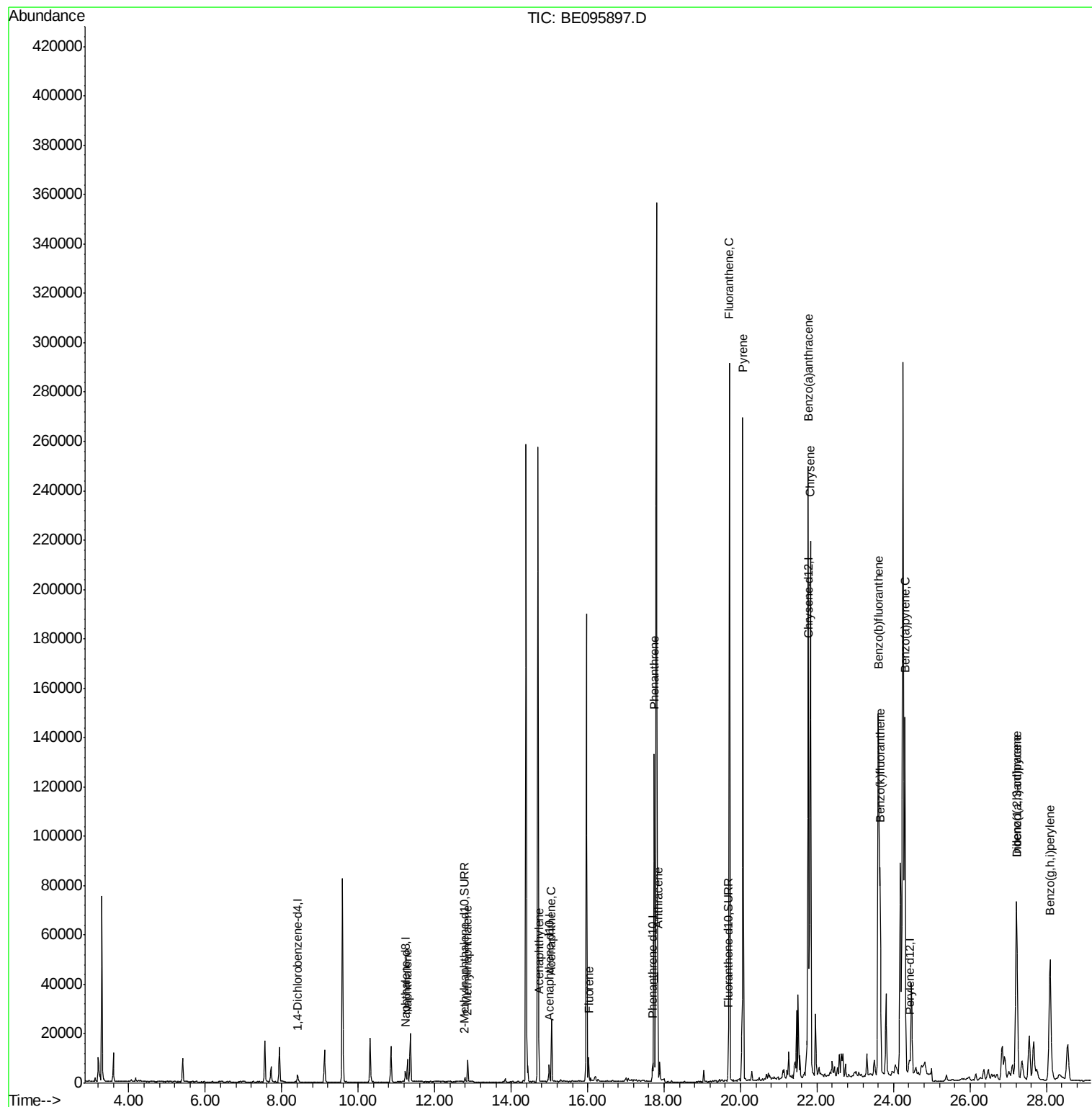
Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
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ALS Vial : 27 Sample Multiplier: 1

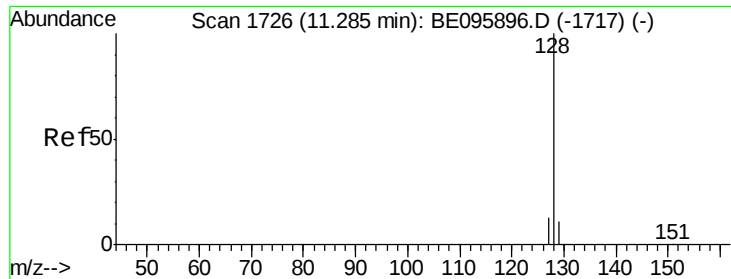
Instrument :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
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#3

Naphthalene

Concen: 0.794 ng/ul

RT: 11.29 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Instrument :

BNA_E

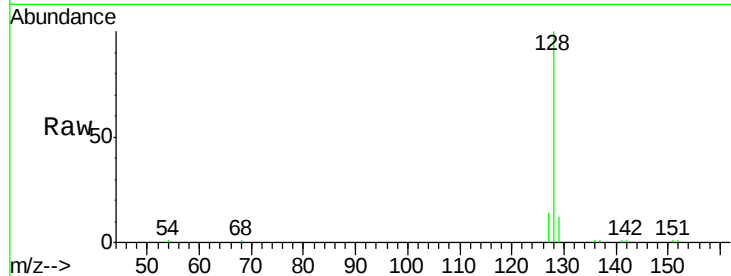
ClientSampleId :

C0AS5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		12809		
129	11.6		11.3	16.9	
127	13.8		4.0	6.0	

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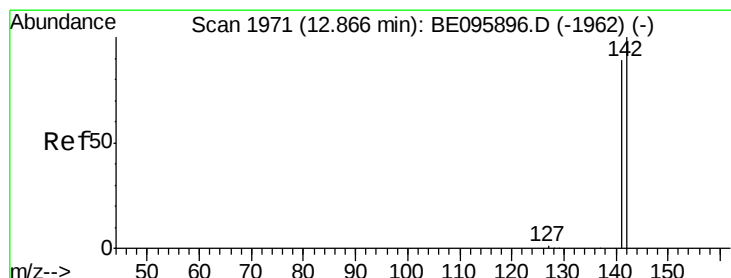
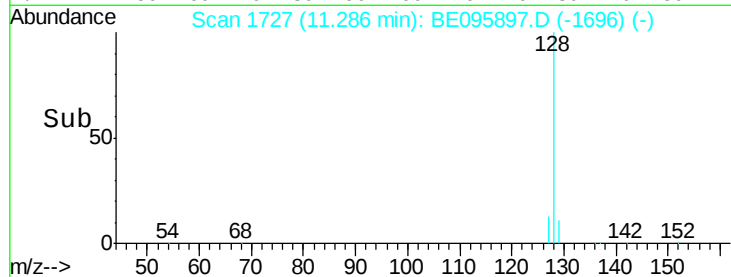
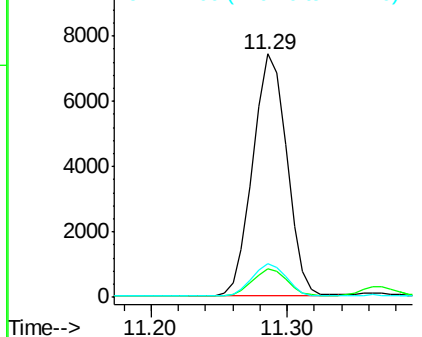
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.645 ng/ul

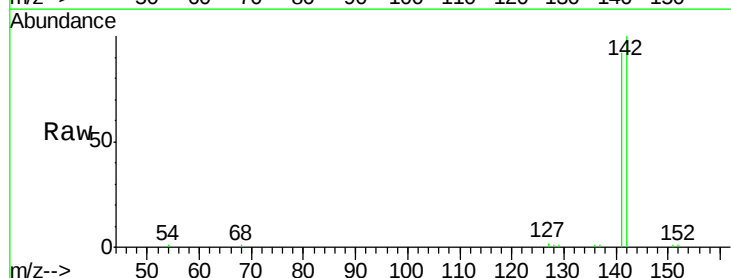
RT: 12.86 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BE095897.D

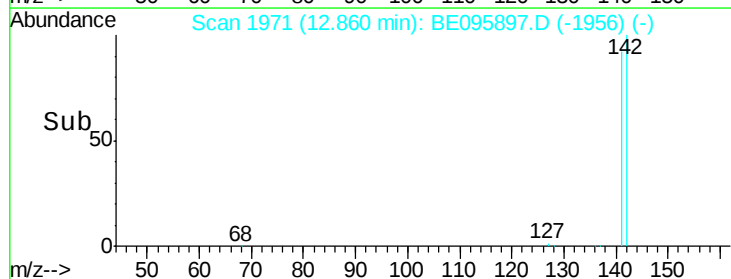
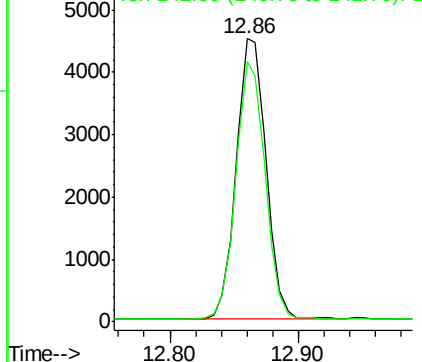
Acq: 29 Mar 2018 3:16

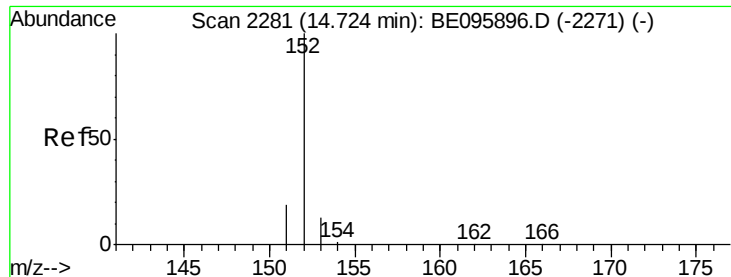
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
142	100		7236		
141	90.2		72.6	108.8	



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.036 ng/ul

RT: 14.73 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Instrument :

BNA_E

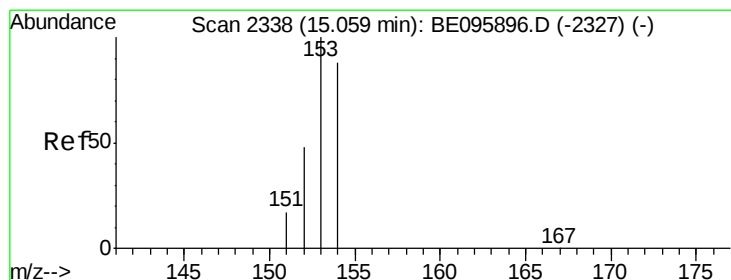
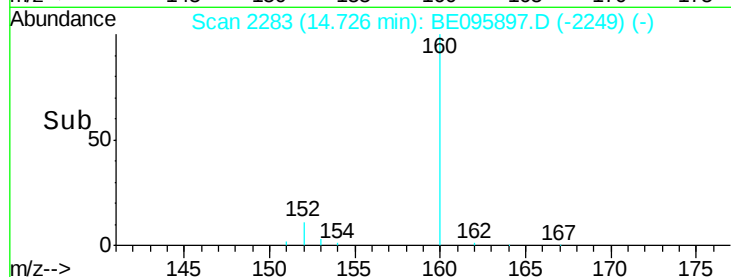
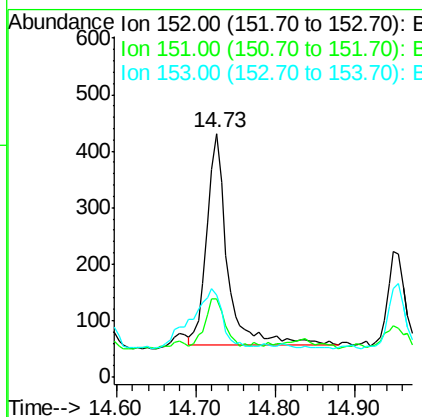
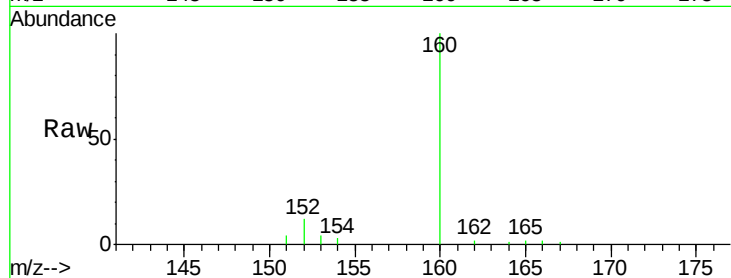
ClientSampled :

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Tot Ion:	152	Resp:	680
Ion Ratio	Lower	Upper	
152	100		
151	32.0	17.1	25.7#
153	33.6	12.8	19.2#

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#8

Acenaphthene

Concen: 1.041 ng/ul

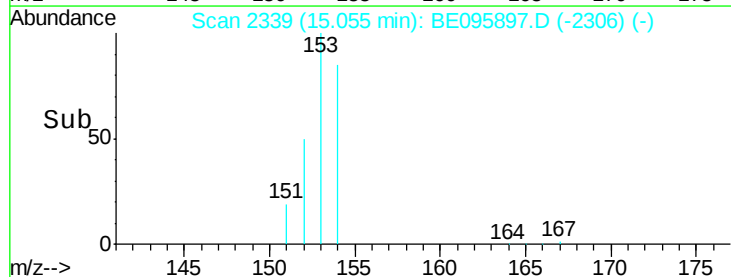
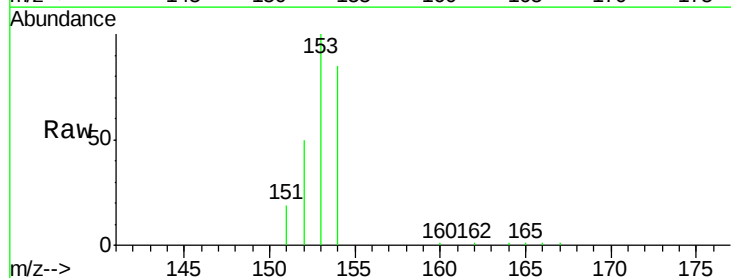
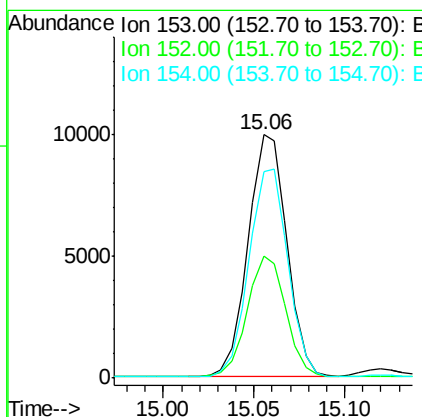
RT: 15.06 min Scan# 2339

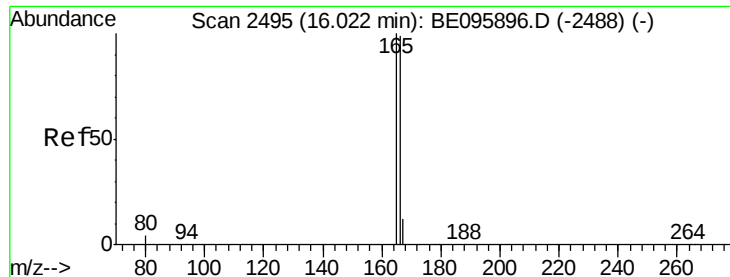
Delta R.T. -0.00 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Tgt Ion:	153	Resp:	14895
Ion Ratio	Lower	Upper	
153	100		
152	49.9	36.0	54.0
154	85.0	72.0	108.0





#9

Fluorene

Concen: 0.394 ng/ul

RT: 16.02 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Instrument :

BNA_E

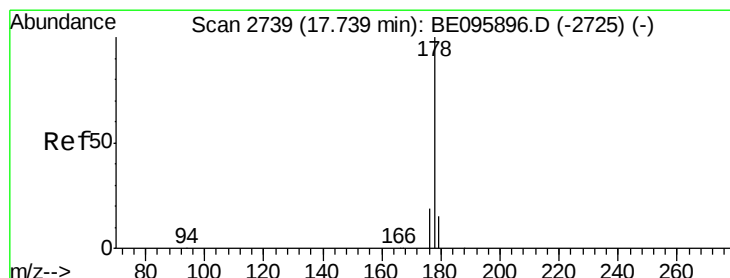
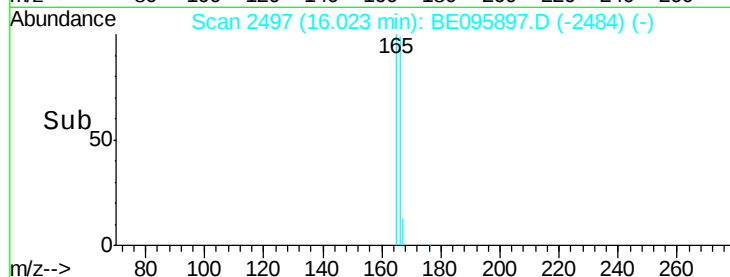
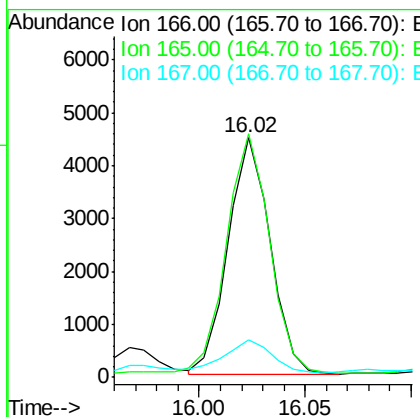
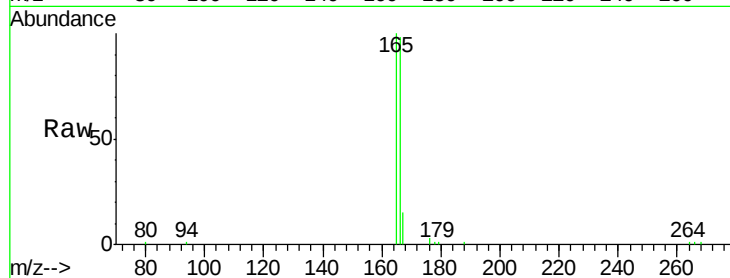
ClientSampleId :

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Tot Ion:	166	Resp:	6120
Ion Ratio	Lower	Upper	
166	100		
165	101.8	73.4	110.2
167	15.5	14.6	22.0

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#12

Phenanthrene

Concen: 5.284 ng/ul m

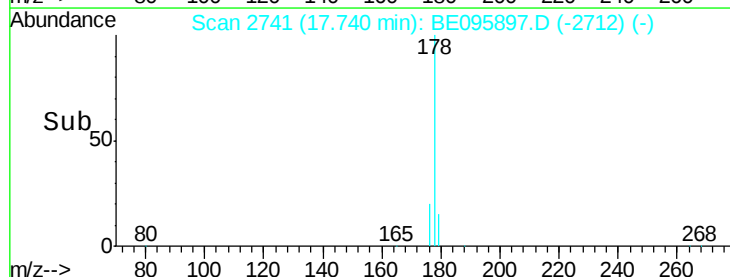
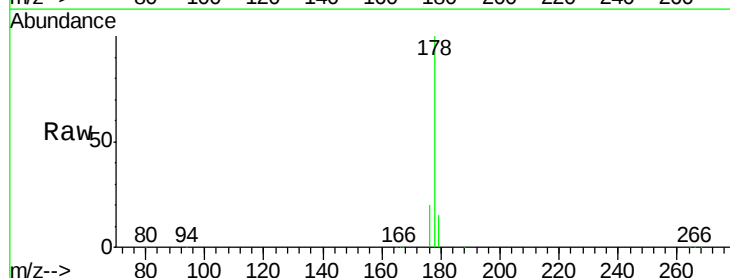
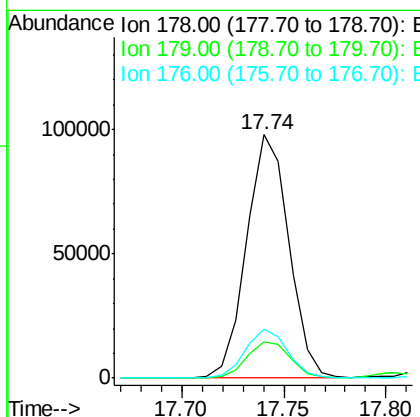
RT: 17.74 min Scan# 2741

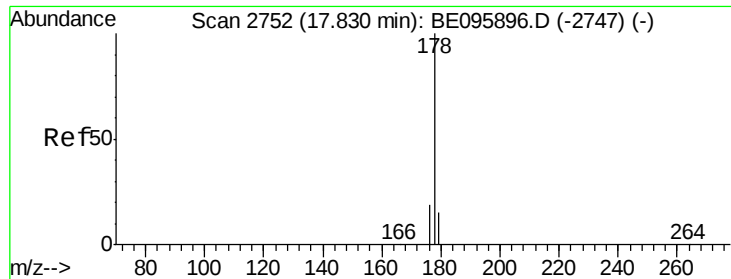
Delta R.T. 0.00 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Tgt Ion:	178	Resp:	141323
Ion Ratio	Lower	Upper	
178	100		
179	15.2	18.4	27.6#
176	20.0	13.6	20.4





#13

Anthracene

Concen: 1.793 ng/ul m

RT: 17.83 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Instrument :

BNA_E

ClientSampleId :

C0AS5

Tot Ion:178 Resp: 44838

Ion Ratio Lower Upper

178 100

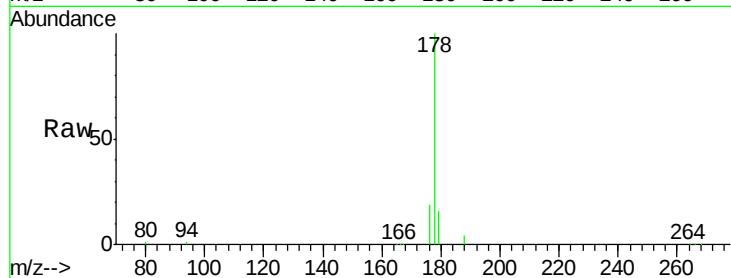
179 15.5 18.1 27.1#

176 19.3 14.7 22.1

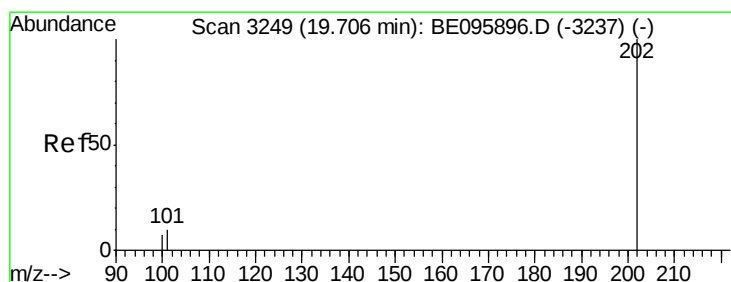
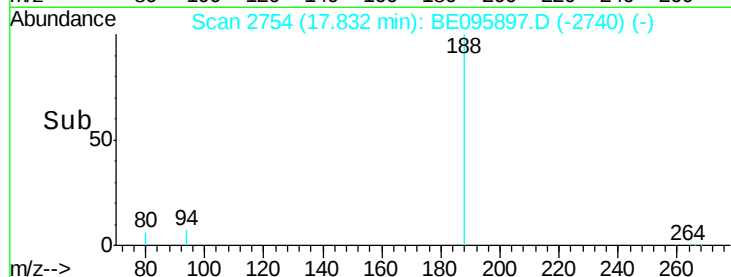
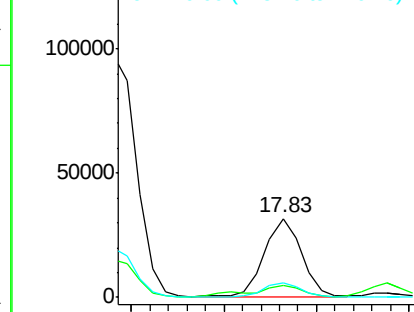
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 10.055 ng/ul m

RT: 19.71 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

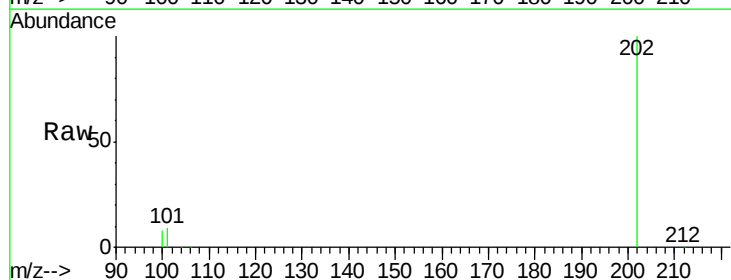
Tgt Ion:202 Resp: 325726

Ion Ratio Lower Upper

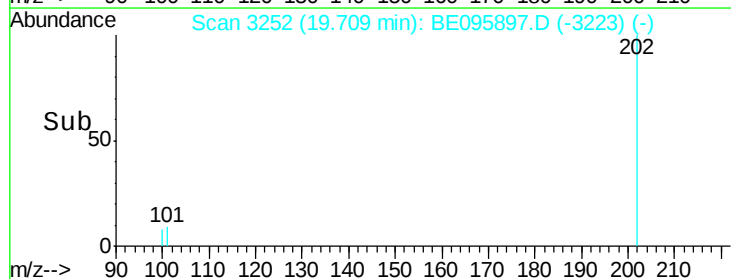
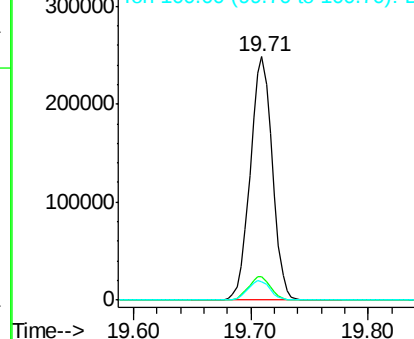
202 100

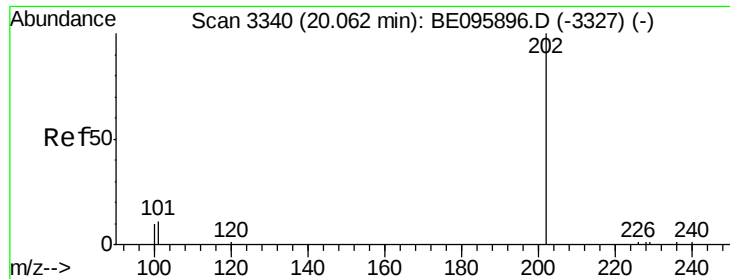
101 9.5 0.0 30.3

100 7.8 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): BE





#17

Pvrene

Concen: 9.808 ng/ul

RT: 20.06 min Scan# 3341

Delta R.T. -0.00 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Instrument :

BNA_E

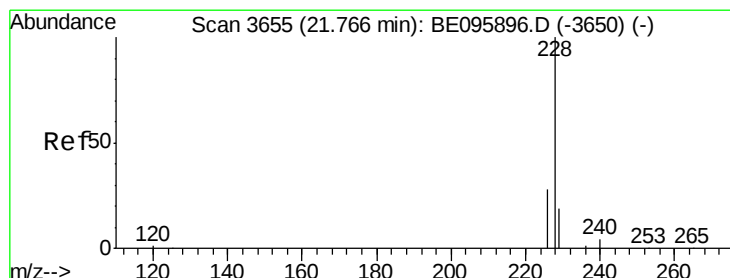
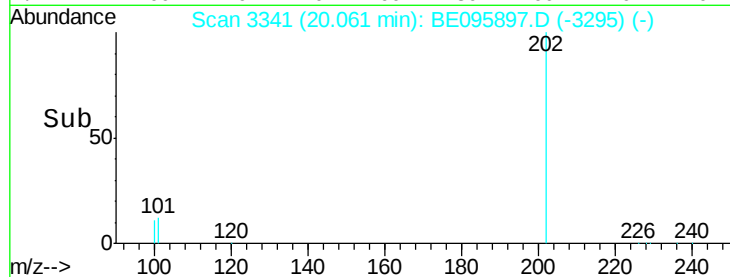
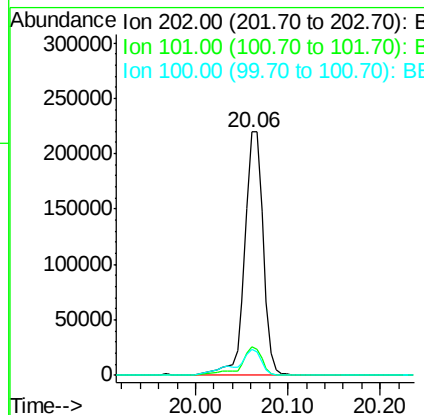
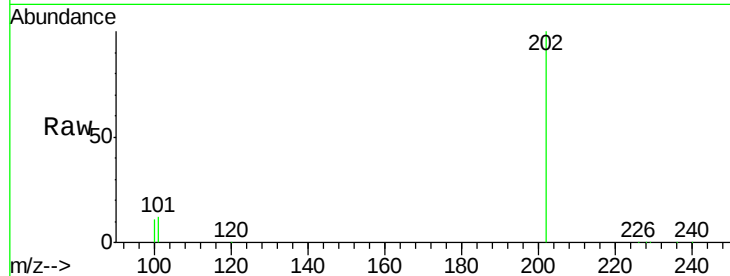
ClientSampled :

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Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	18.2	27.4#
100	10.8	15.6	23.4#

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#18

Benzo(a)anthracene

Concen: 11.105 ng/ul m

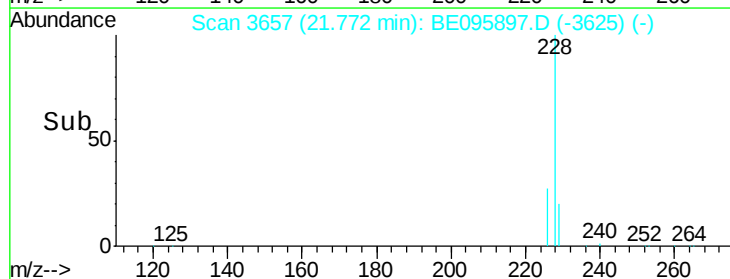
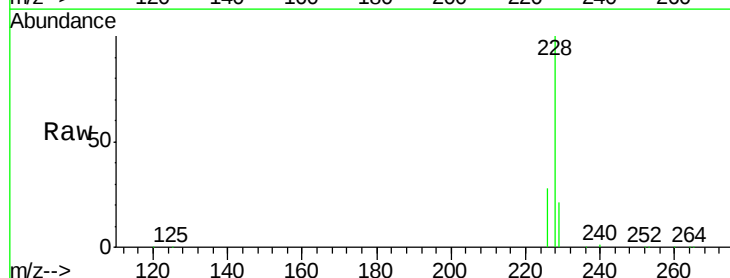
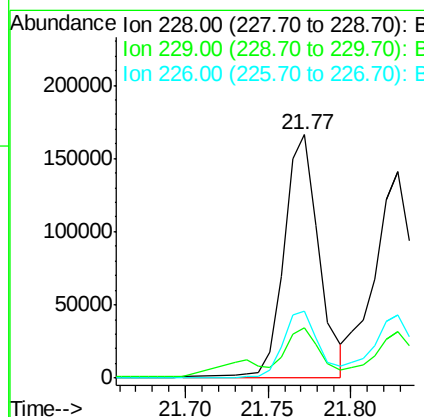
RT: 21.77 min Scan# 3657

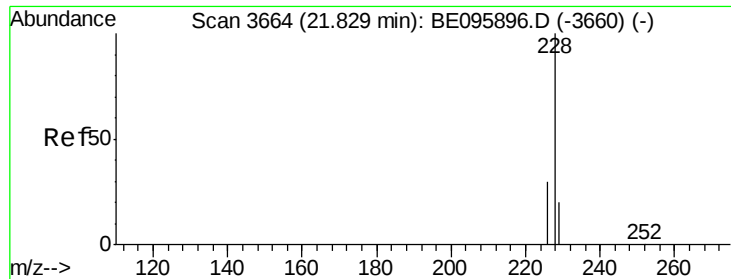
Delta R.T. 0.01 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	22.8	34.2#
226	27.6	17.0	25.6#





#19

Chrysene

Concen: 7.582 ng/ul

RT: 21.83 min Scan# 3665

Delta R.T. -0.00 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Instrument :

BNA_E

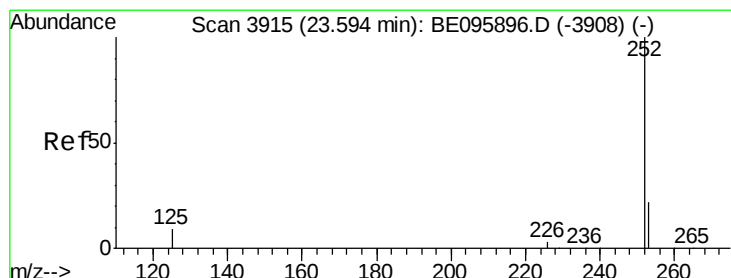
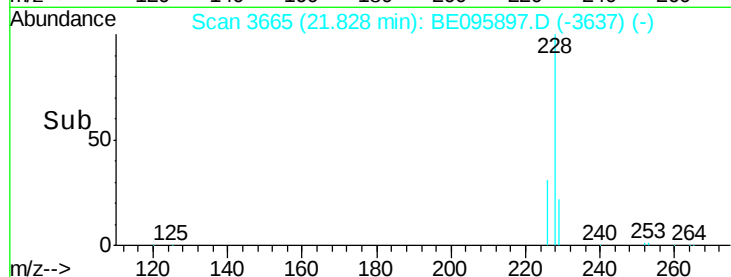
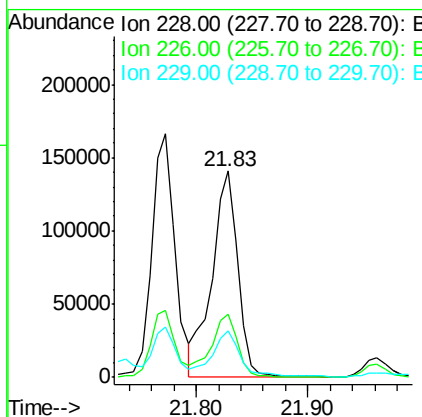
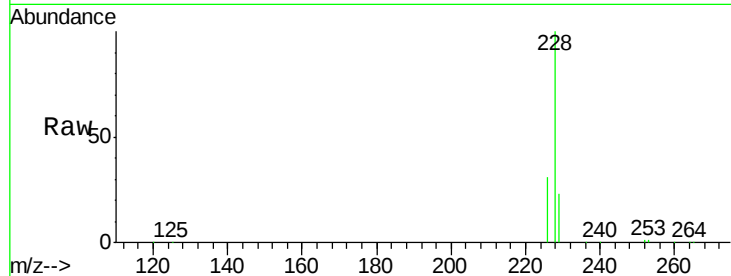
ClientSampled :

C0AS5

Tot Ion:	228	Resp:	228538
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.4	35.0
229	22.7	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 8.877 ng/ul m

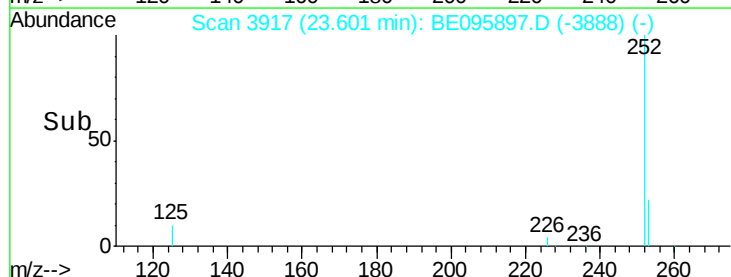
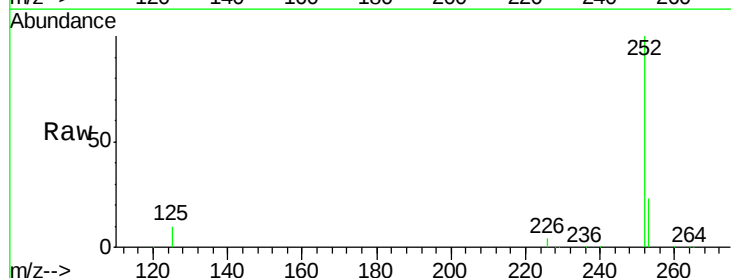
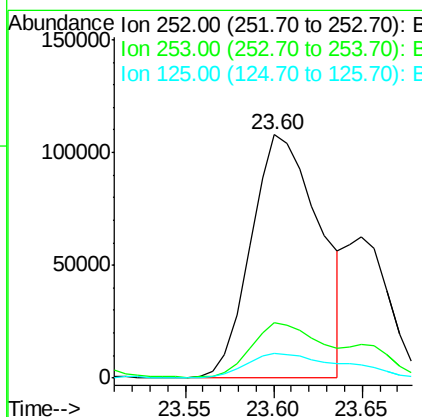
RT: 23.60 min Scan# 3917

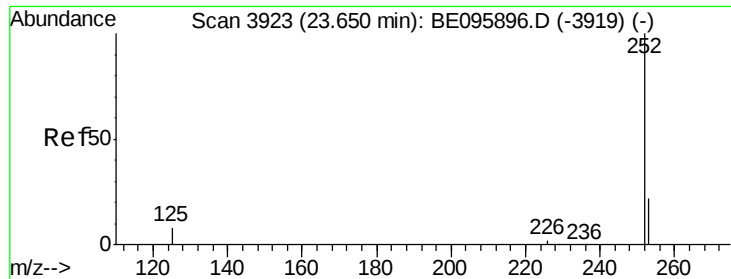
Delta R.T. 0.01 min

Lab File: BE095897.D

Acq: 29 Mar 2018 3:16

Tgt Ion:	252	Resp:	291582
Ion Ratio	Lower	Upper	
252	100		
253	22.7	0.0	64.2
125	10.1	0.0	35.0





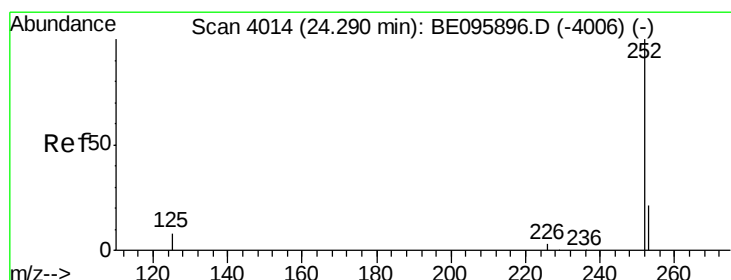
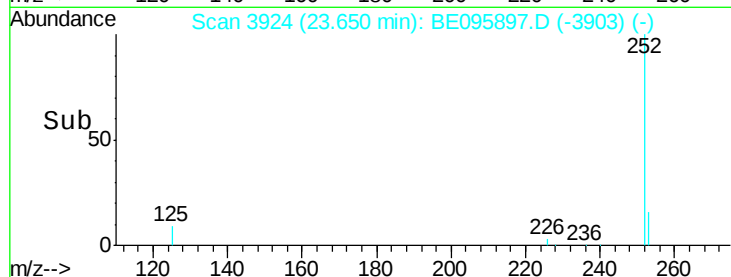
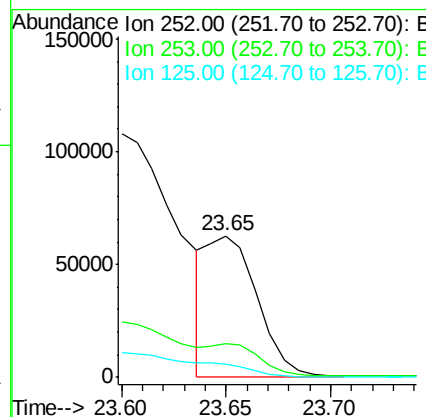
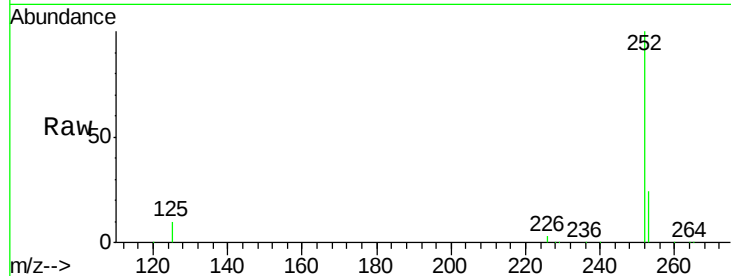
#22
Benzo(k)fluoranthene
Concen: 3.407 ng/ul m
RT: 23.65 min Scan# 3924
Delta R.T. -0.00 min
Lab File: BE095897.D
Acq: 29 Mar 2018 3:16

Instrument :
BNA_E
ClientSampleId :
C0AS5

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.7	24.5	36.7#
125	9.5	13.7	20.5#

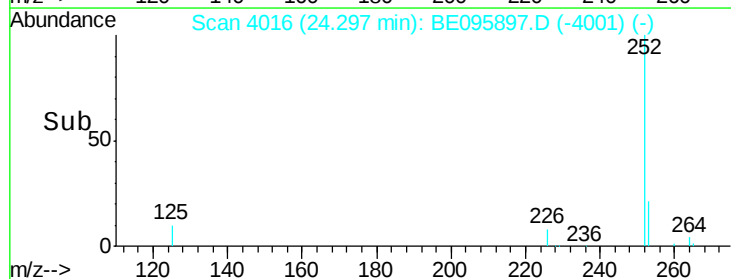
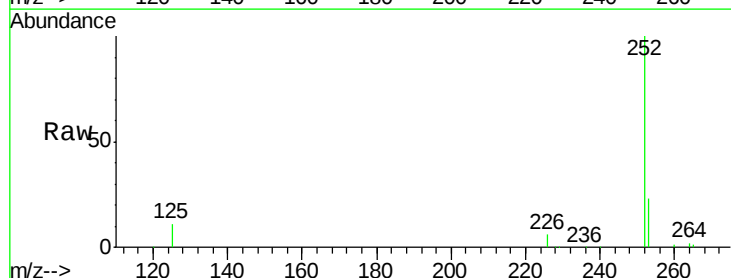
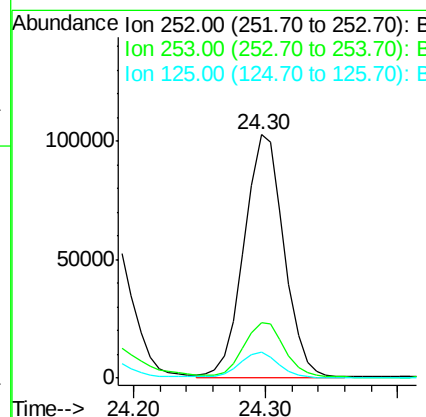
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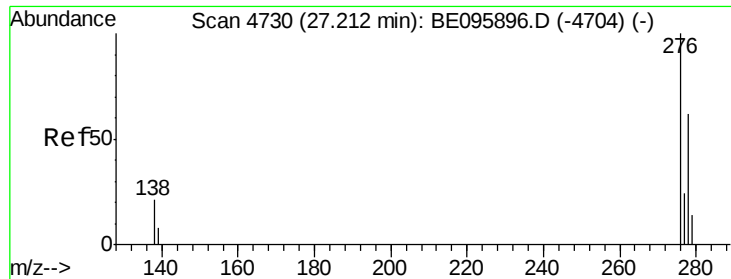
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#23
Benzo(a)pyrene
Concen: 7.239 ng/ul m
RT: 24.30 min Scan# 4016
Delta R.T. 0.01 min
Lab File: BE095897.D
Acq: 29 Mar 2018 3:16

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	28.5	42.7#
125	10.9	18.1	27.1#





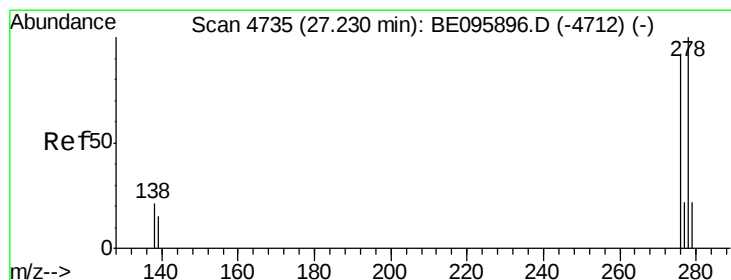
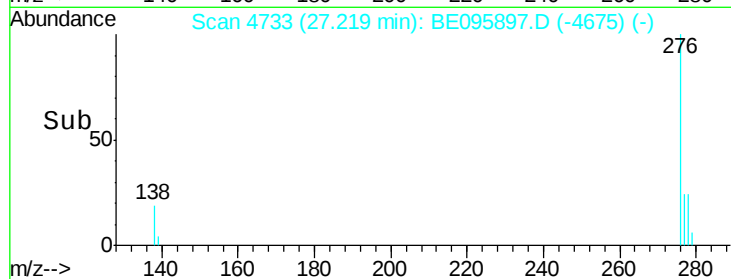
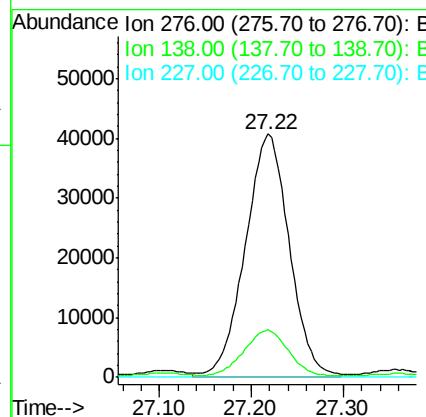
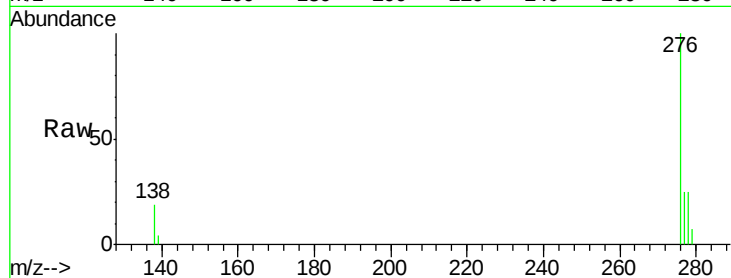
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.093 ng/ul m
 RT: 27.22 min Scan# 4733
 Delta R.T. 0.01 min
 Lab File: BE095897.D
 Acq: 29 Mar 2018 3:16

Instrument :
 BNA_E
 ClientSampleId :
 C0AS5

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	1.2	28.0	42.0#
227	0.0	8.0	12.0#

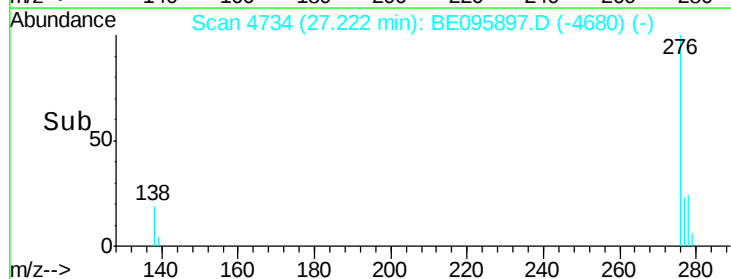
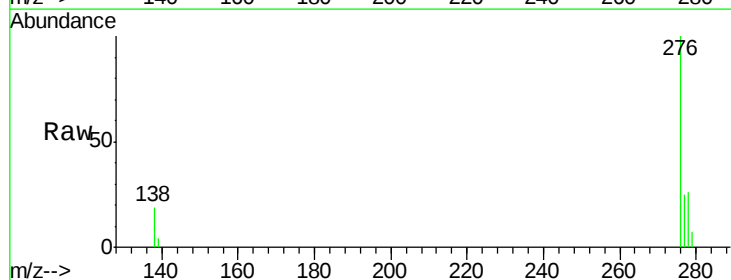
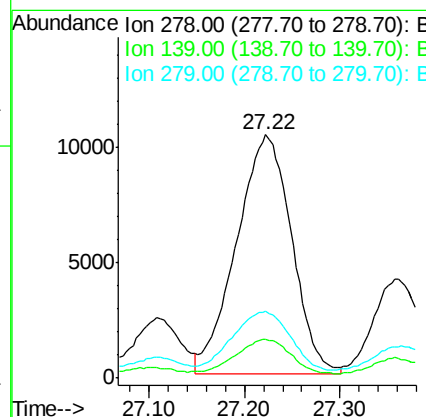
Manual Integrations
 APPROVED

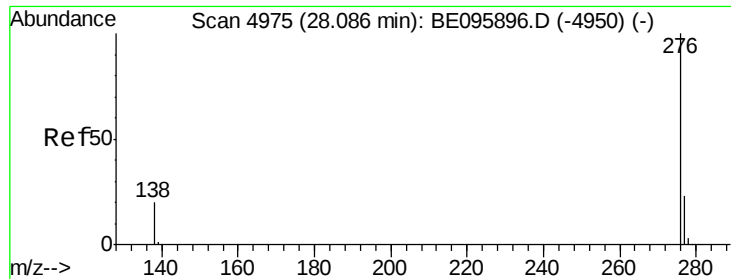
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 3/29/2018 5:18:52 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.561 ng/ul m
 RT: 27.22 min Scan# 4734
 Delta R.T. -0.01 min
 Lab File: BE095897.D
 Acq: 29 Mar 2018 3:16

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	16.2	17.4	26.0#
279	27.7	25.9	38.9





#26
 Benzo(a,h,i)perylene
 Concen: 4.390 ng/ul m
 RT: 28.10 min Scan# 4979
 Delta R.T. 0.01 min
 Lab File: BE095897.D
 Acq: 29 Mar 2018 3:16

Instrument :
 BNA_E
 ClientSampleId :
 C0AS5

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	21.8	32.8#
277	24.2	20.5	30.7

Manual Integrations
 APPROVED

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