

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095894.D
 Acq On : 29 Mar 2018 1:29
 Operator : SJ/JU
 Sample : J2060-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AS8

Manual Integrations
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Sohil
 3/29/2018 5:18:35 PM

Quant Time: Mar 29 06:37:25 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 04:43:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1666	0.40	ng/ul	0.00
2) Naphthalene-d8	11.24	136	4605	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.00	164	2853	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.70	188	6927	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	7306	0.40	ng/ul	0.00
20) Perylene-d12	24.41	264	8265	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.79	152	1078	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.68	212	3537	0.16	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.29	128	72249	5.620	ng/ul#	87
5) 2-Methylnaphthalene	12.87	142	59628	6.673	ng/ul	100
8) Acenaphthene	15.06	153	792	0.073	ng/ul#	35
9) Fluorene	16.02	166	3604	0.306	ng/ul	88
12) Phenanthrene	17.74	178	131476	6.338	ng/ul#	88
13) Anthracene	17.83	178	4329	0.223	ng/ul#	91
15) Fluoranthene	19.71	202	26240	1.044	ng/ul	83
17) Pyrene	20.06	202	139846	5.041	ng/ul#	79
18) Benzo(a)anthracene	21.77	228	61288	2.600	ng/ul#	85
19) Chrysene	21.82	228	99699	4.154	ng/ul	96
21) Benzo(b)fluoranthene	23.60	252	45084m	1.575	ng/ul	
22) Benzo(k)fluoranthene	23.64	252	5953m	0.219	ng/ul	
23) Benzo(a)pyrene	24.29	252	39344	1.505	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	27.22	276	18843	0.650	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.22	278	14484	0.625	ng/ul	96
26) Benzo(a,h,i)perylene	28.09	276	49690	1.996	ng/ul#	91

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

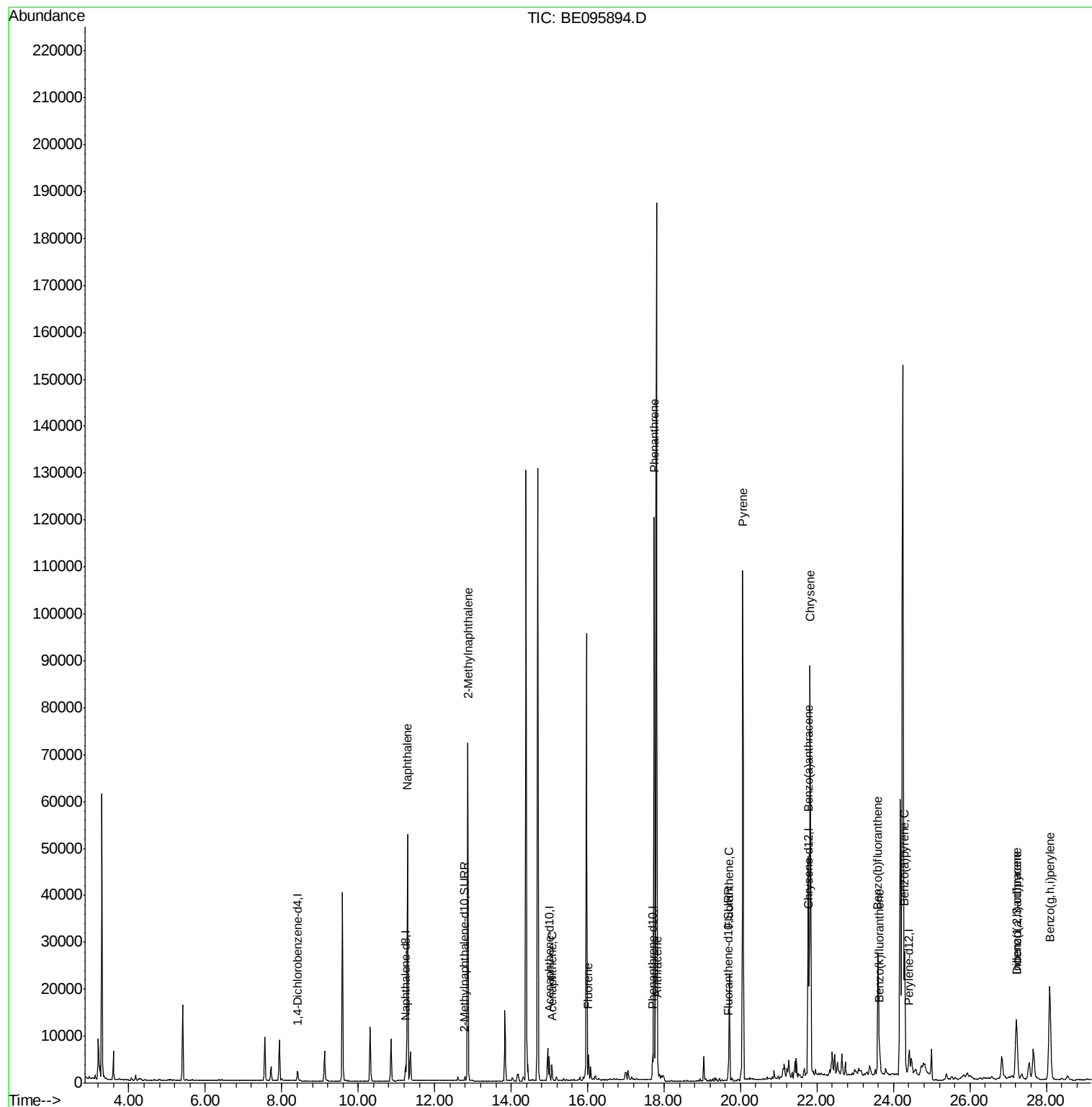
Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
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ALS Vial : 25 Sample Multiplier: 1

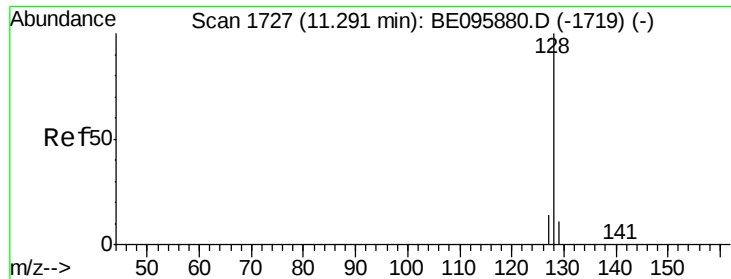
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#3

Naphthalene

Concen: 5.620 ng/ul

RT: 11.29 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BE095894.D

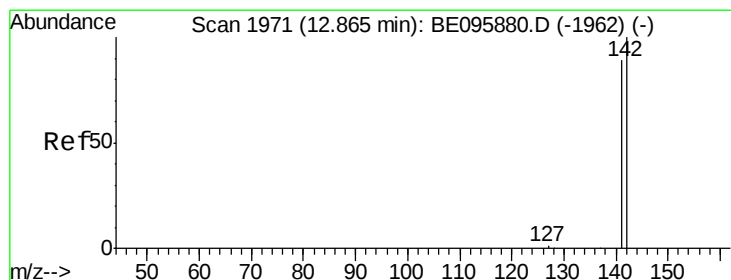
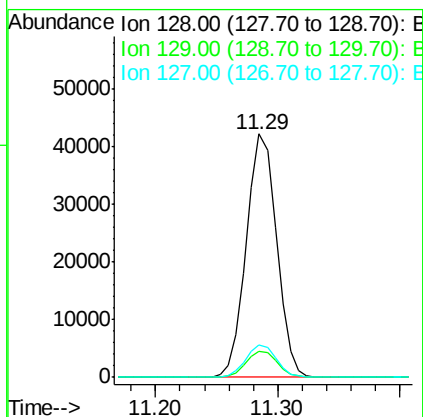
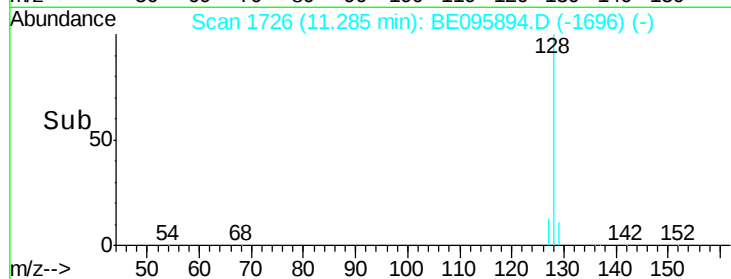
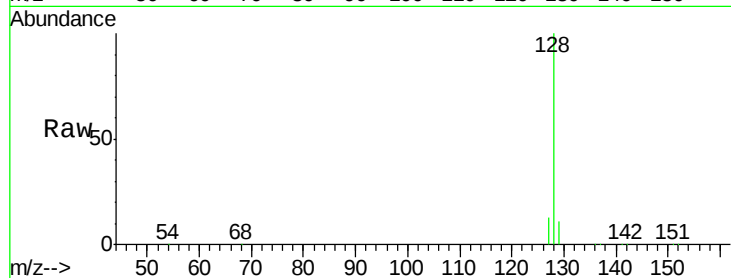
Acq: 29 Mar 2018 1:29

Instrument :
BNA_E
ClientSampleId :
C0AS8

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	11.3	16.9#
127	13.5	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 6.673 ng/ul

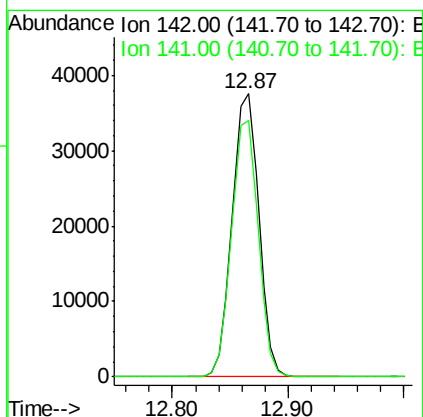
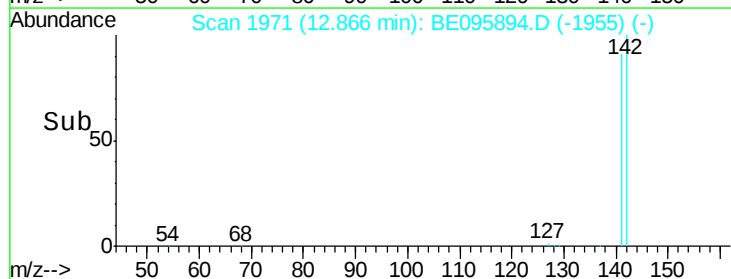
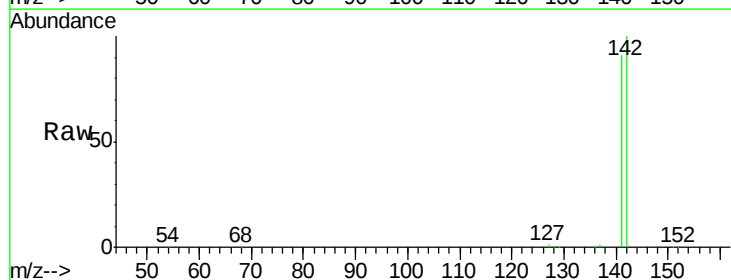
RT: 12.87 min Scan# 1971

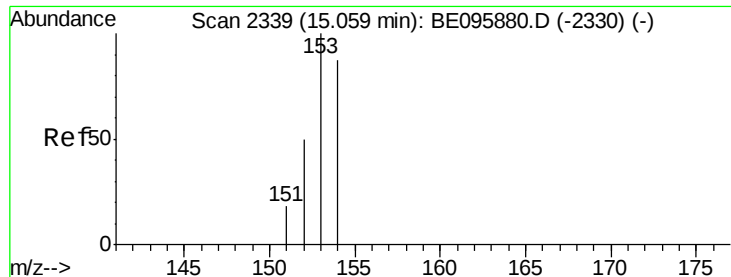
Delta R.T. 0.00 min

Lab File: BE095894.D

Acq: 29 Mar 2018 1:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.6	108.8





#8

Acenaphthene

Concen: 0.073 ng/ul

RT: 15.06 min Scan# 2339

Delta R.T. 0.00 min

Lab File: BE095894.D

Acq: 29 Mar 2018 1:29

Instrument :

BNA_E

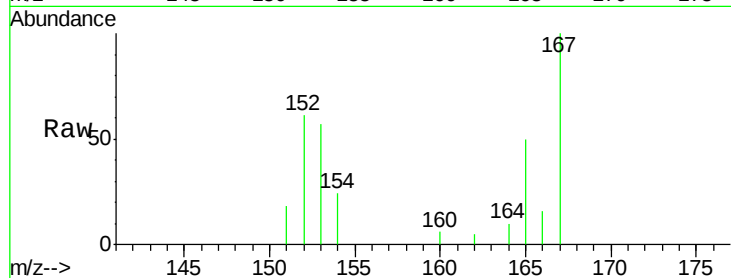
ClientSampled :

C0AS8

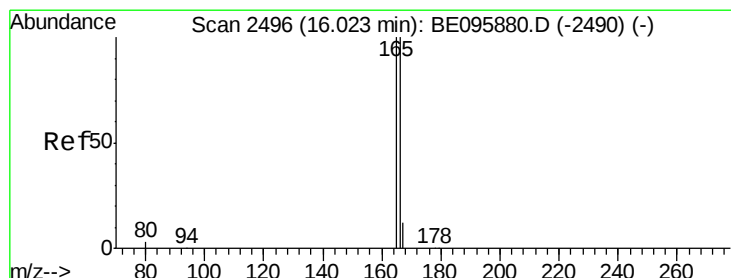
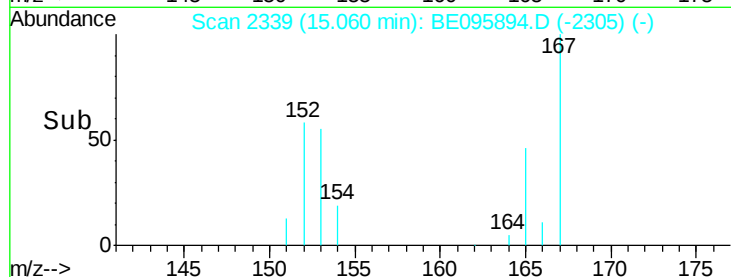
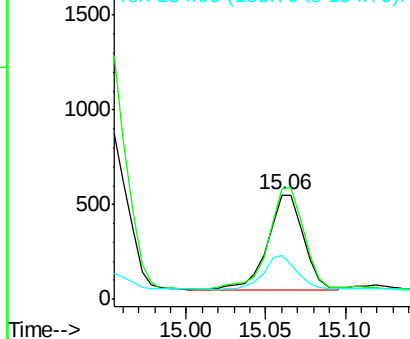
Tot Ion:	153	Resp:	792
Ion	Ratio	Lower	Upper
153	100		
152	105.8	36.0	54.0#
154	41.7	72.0	108.0#

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#9

Fluorene

Concen: 0.306 ng/ul

RT: 16.02 min Scan# 2496

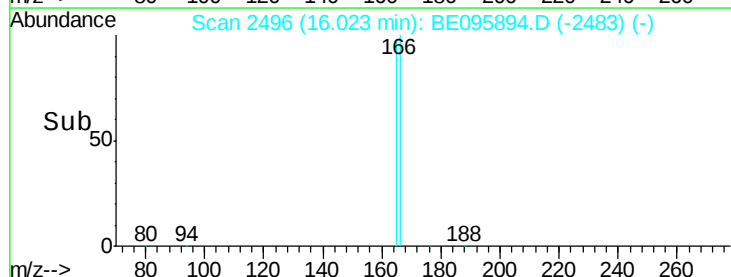
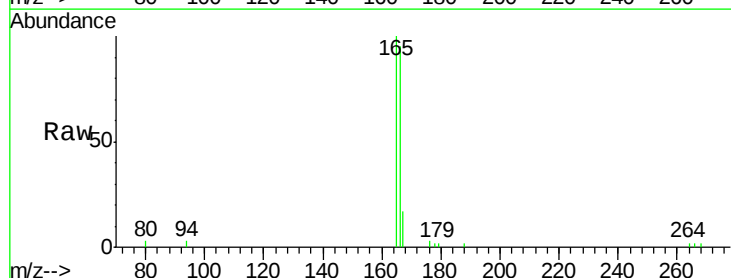
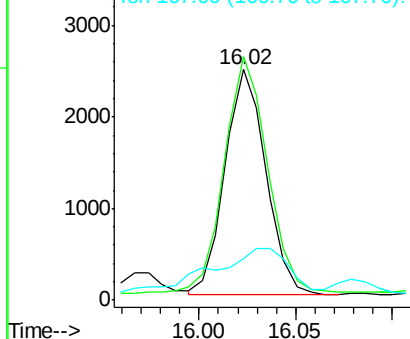
Delta R.T. 0.00 min

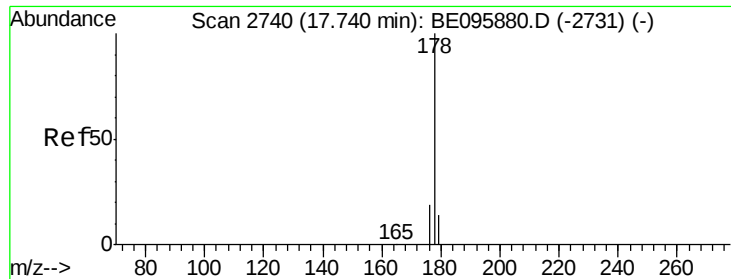
Lab File: BE095894.D

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Tgt Ion:	166	Resp:	3604
Ion	Ratio	Lower	Upper
166	100		
165	105.5	73.4	110.2
167	17.9	14.6	22.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





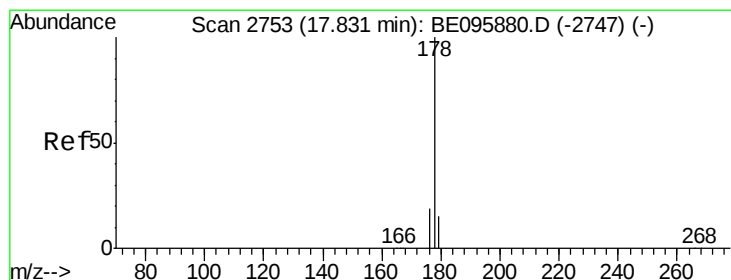
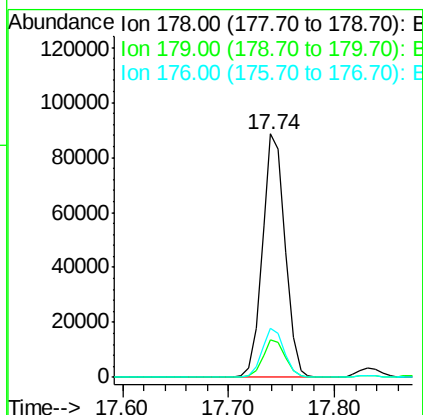
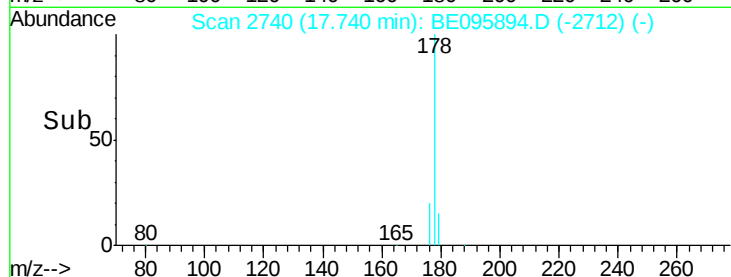
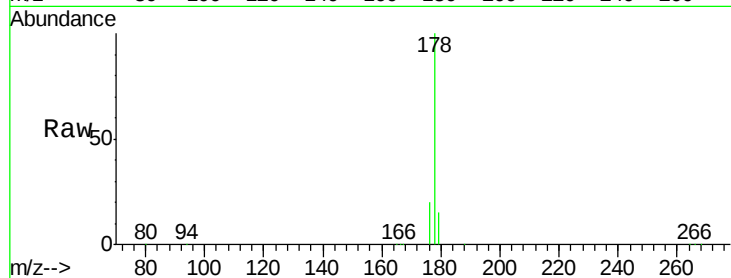
#12
Phenanthrene
Concen: 6.338 ng/ul
RT: 17.74 min Scan# 2740
Delta R.T. 0.00 min
Lab File: BE095894.D
Acq: 29 Mar 2018 1:29

Instrument :
BNA_E
ClientSampleId :
C0AS8

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	18.4	27.6#
176	20.2	13.6	20.4

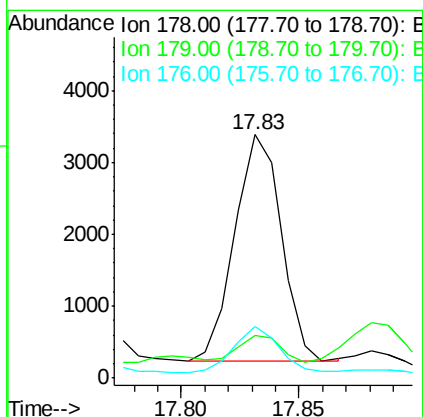
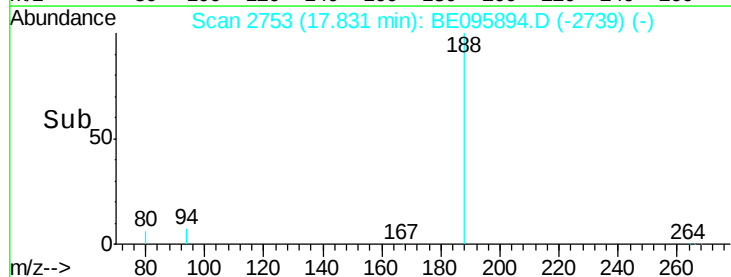
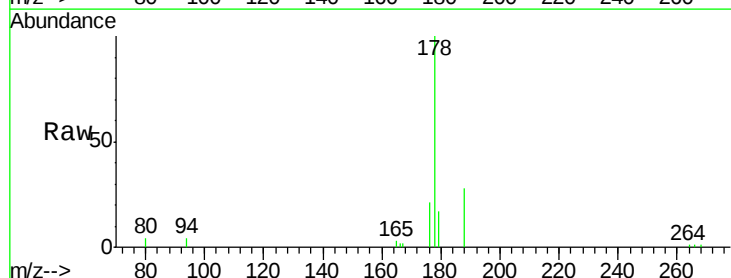
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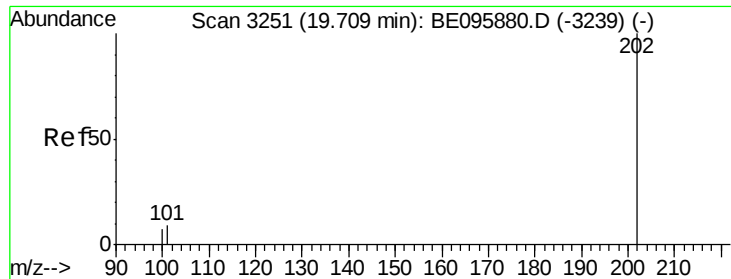
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#13
Anthracene
Concen: 0.223 ng/ul
RT: 17.83 min Scan# 2753
Delta R.T. 0.00 min
Lab File: BE095894.D
Acq: 29 Mar 2018 1:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.4	18.1	27.1#
176	21.2	14.7	22.1





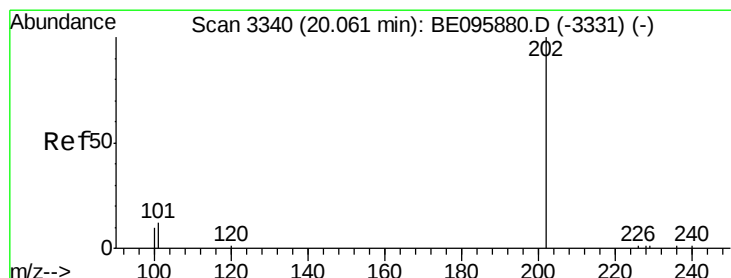
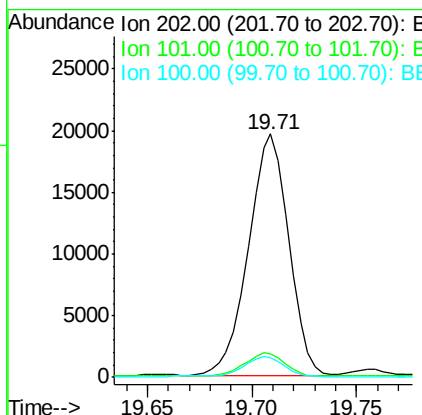
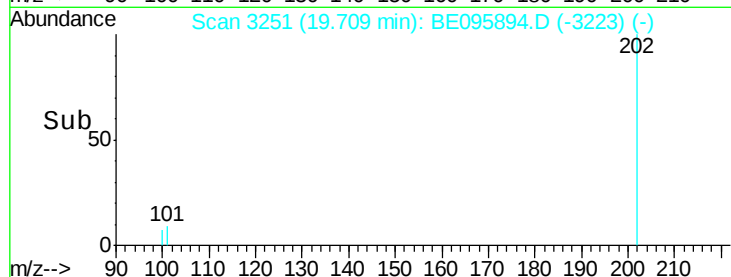
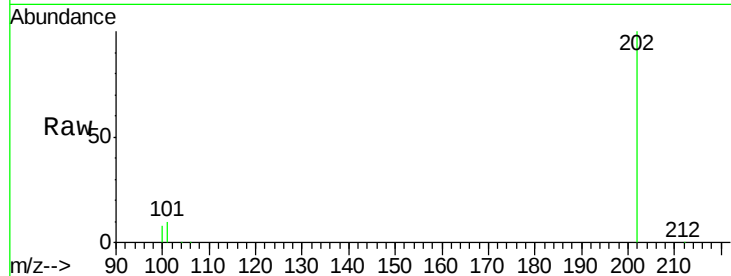
#15
Fluoranthene
 Concen: 1.044 ng/ul
 RT: 19.71 min Scan# 3251
 Delta R.T. 0.00 min
 Lab File: BE095894.D
 Acq: 29 Mar 2018 1:29

Instrument :
 BNA_E
 ClientSampled :
 C0AS8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.8	0.0	30.3
100	7.8	0.0	39.5

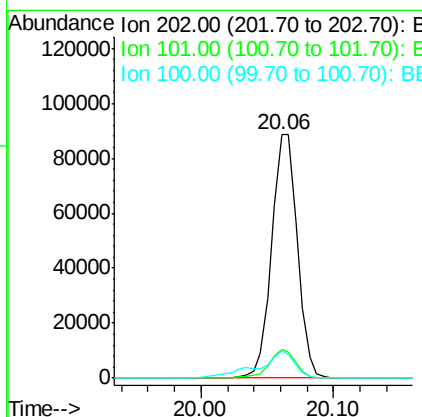
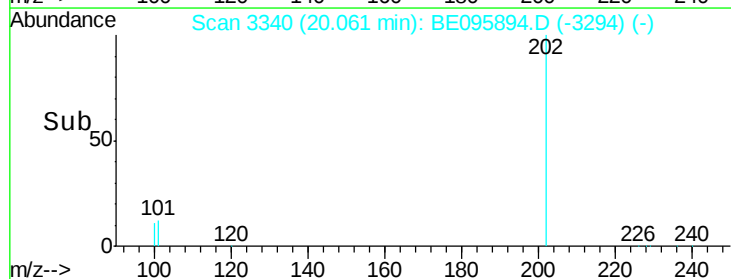
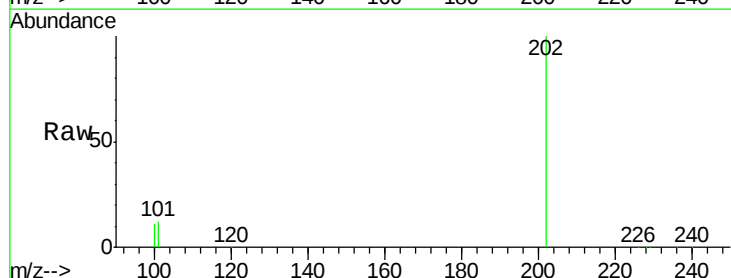
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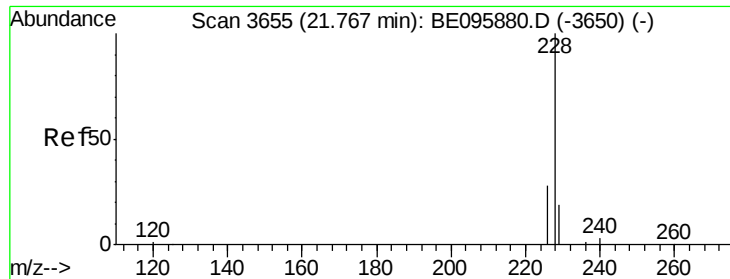
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#17
Pyrene
 Concen: 5.041 ng/ul
 RT: 20.06 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: BE095894.D
 Acq: 29 Mar 2018 1:29

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	11.7	18.2	27.4#
100	11.0	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 2.600 ng/ul

RT: 21.77 min Scan# 3655

Delta R.T. 0.00 min

Lab File: BE095894.D

Acq: 29 Mar 2018 1:29

Instrument :

BNA_E

ClientSampled :

C0AS8

Tot Ion:228 Resp: 61288

Ion Ratio Lower Upper

228 100

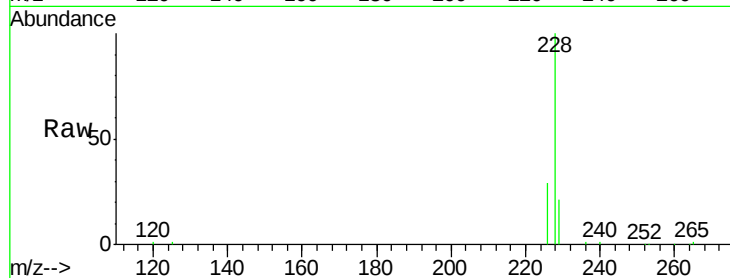
229 21.2 22.8 34.2#

226 28.9 17.0 25.6#

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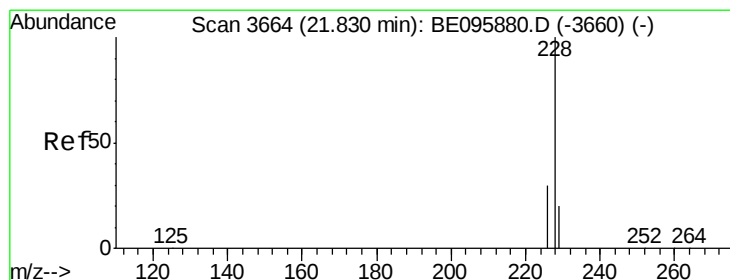
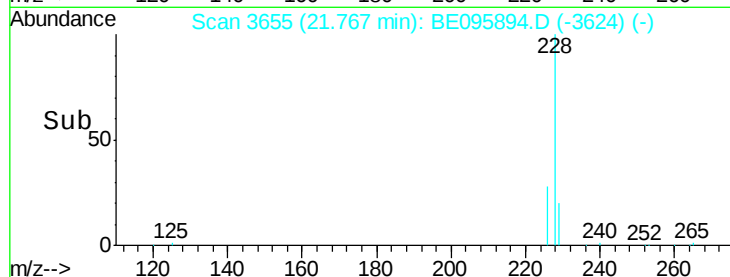
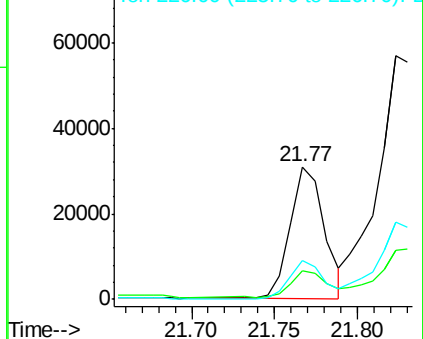
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 4.154 ng/ul

RT: 21.82 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BE095894.D

Acq: 29 Mar 2018 1:29

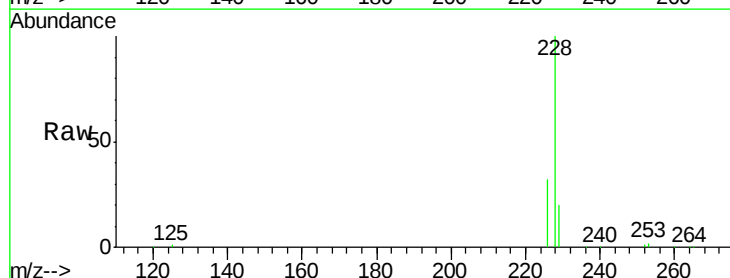
Tgt Ion:228 Resp: 99699

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

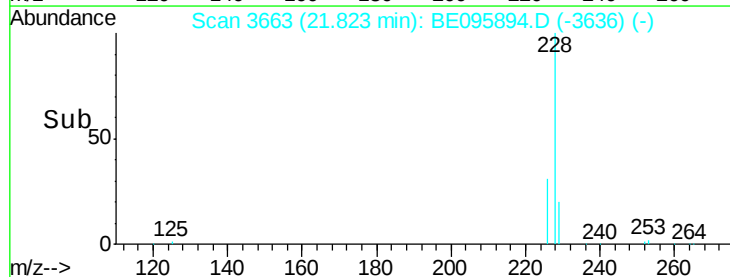
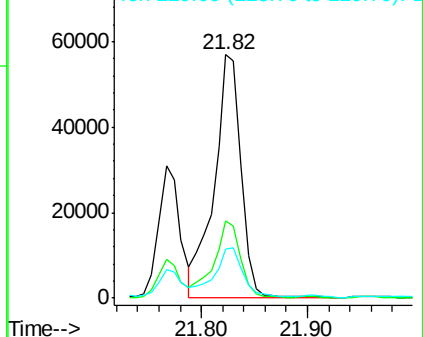
229 20.0 17.7 26.5

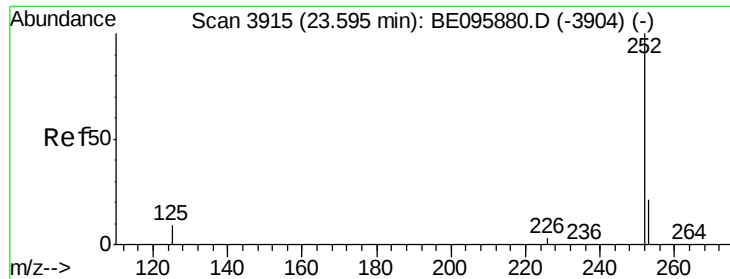


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





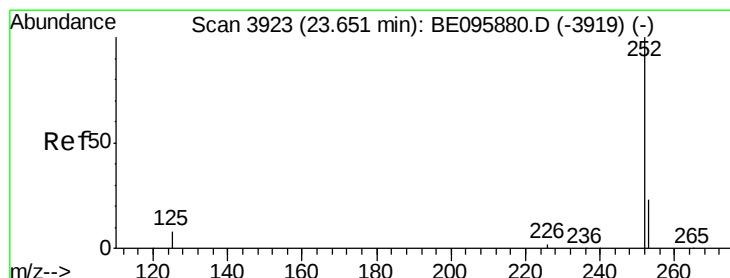
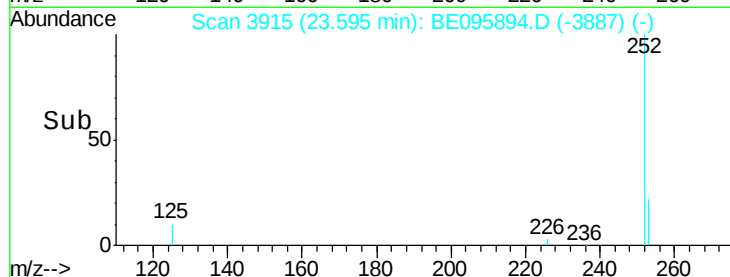
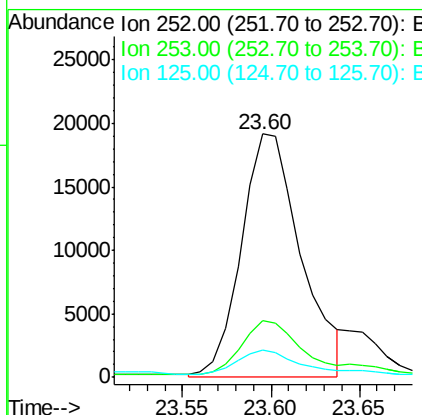
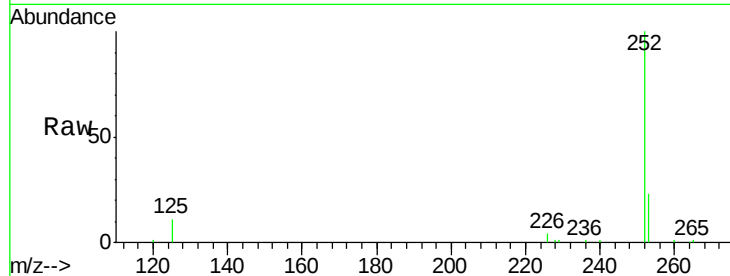
#21
Benzo(b)fluoranthene
Concen: 1.575 ng/ul m
RT: 23.60 min Scan# 3915
Delta R.T. 0.00 min
Lab File: BE095894.D
Acq: 29 Mar 2018 1:29

Instrument :
BNA_E
ClientSampleId :
C0AS8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	64.2
125	11.0	0.0	35.0

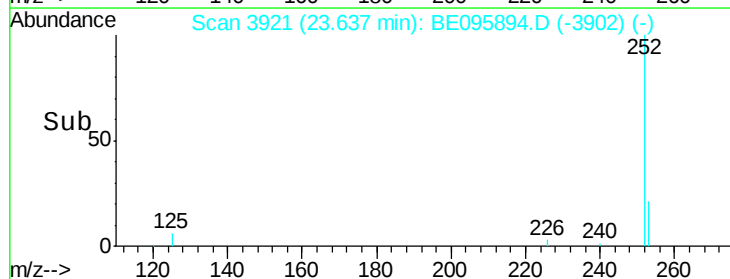
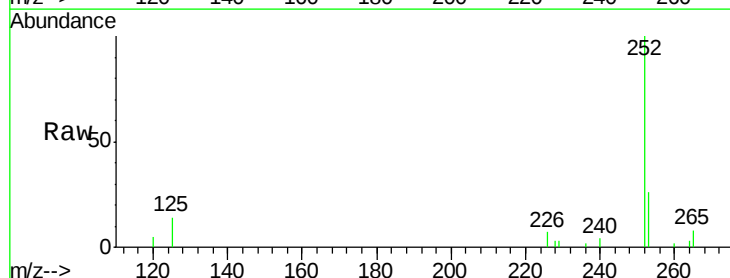
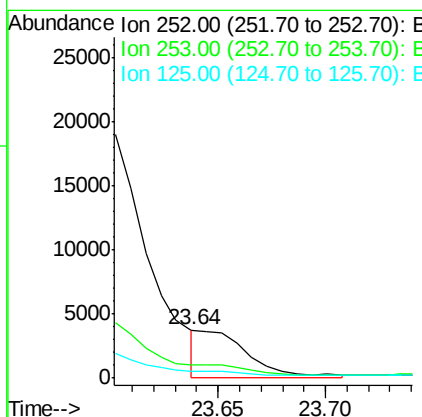
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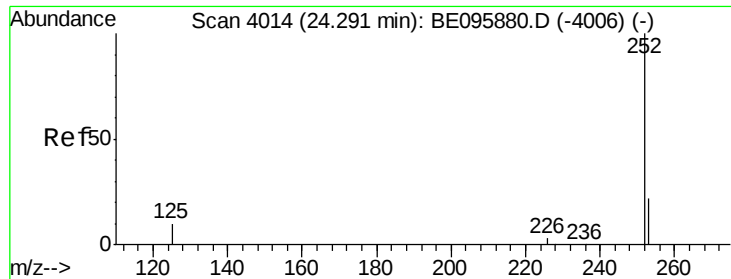
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#22
Benzo(k)fluoranthene
Concen: 0.219 ng/ul m
RT: 23.64 min Scan# 3921
Delta R.T. -0.01 min
Lab File: BE095894.D
Acq: 29 Mar 2018 1:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	24.5	36.7
125	14.2	13.7	20.5





#23

Benzo(a)pyrene

Concen: 1.505 ng/ul

RT: 24.29 min Scan# 4014

Delta R.T. 0.00 min

Lab File: BE095894.D

Acq: 29 Mar 2018 1:29

Instrument :

BNA_E

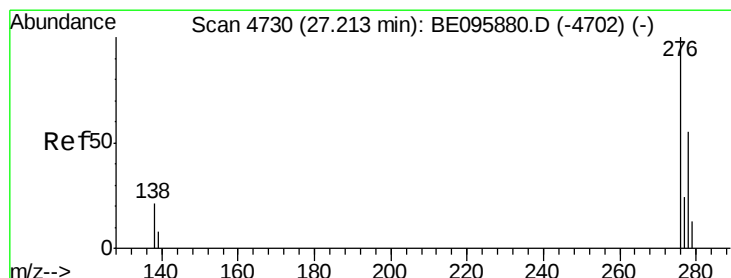
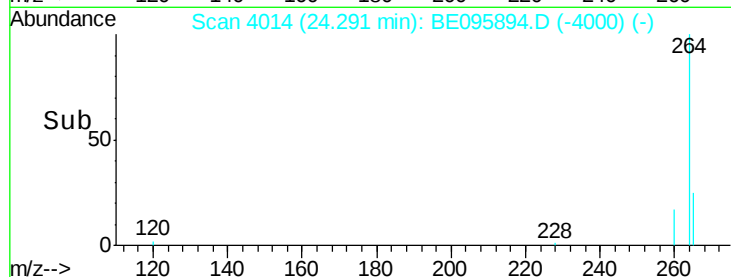
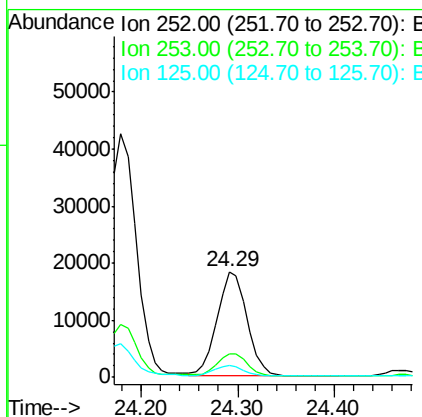
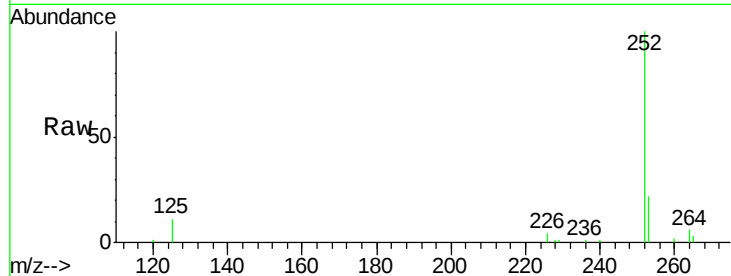
ClientSampled :

C0AS8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	28.5	42.7#
125	11.5	18.1	27.1#

Manual Integrations
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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.650 ng/ul

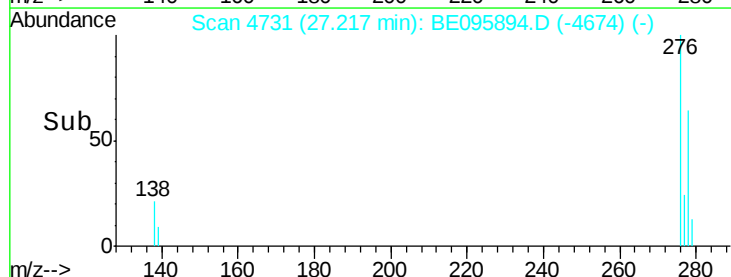
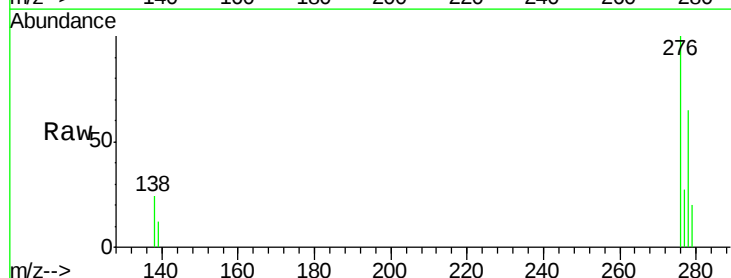
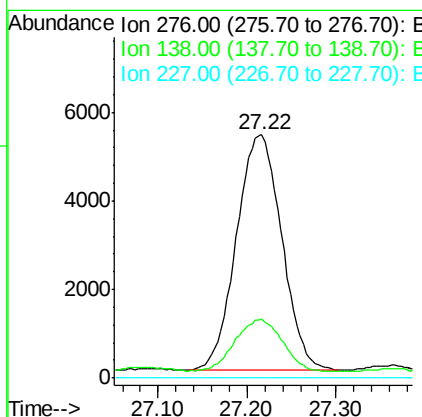
RT: 27.22 min Scan# 4731

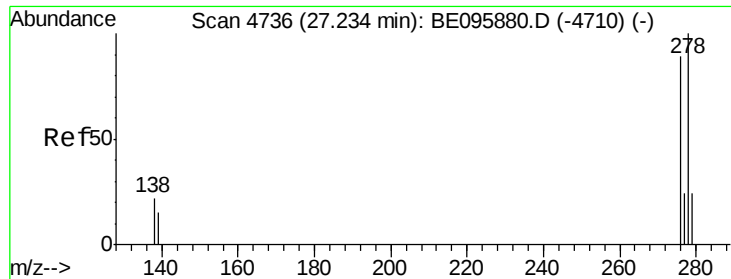
Delta R.T. 0.00 min

Lab File: BE095894.D

Acq: 29 Mar 2018 1:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	28.0	42.0#
227	0.0	8.0	12.0#





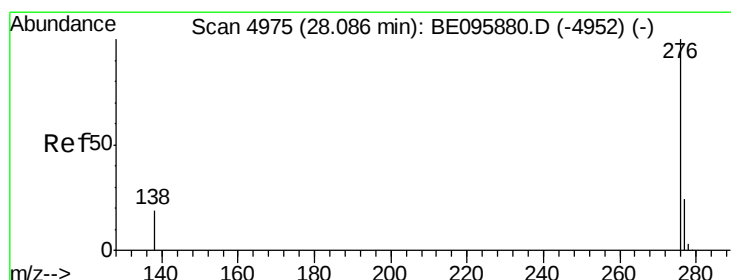
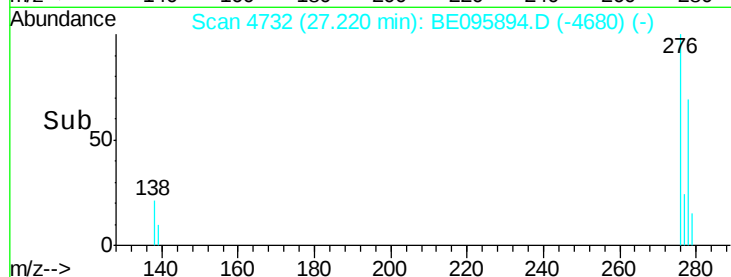
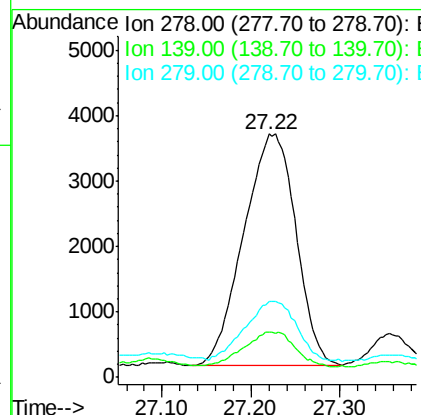
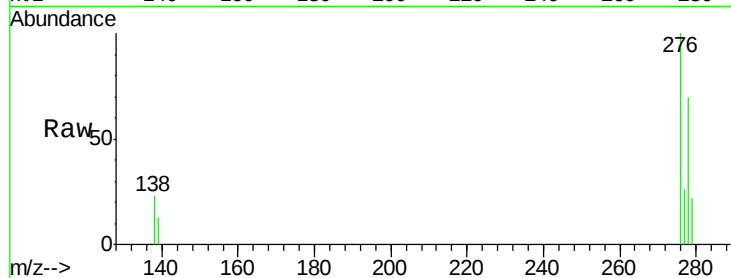
#25
Dibenzo(a,h)anthracene
Concen: 0.625 ng/ul
RT: 27.22 min Scan# 4732
Delta R.T. -0.01 min
Lab File: BE095894.D
Acq: 29 Mar 2018 1:29

Instrument :
BNA_E
ClientSampled :
C0AS8

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	17.4	26.0
279	31.3	25.9	38.9

Manual Integrations
APPROVED

Sohil
3/29/2018 5:18:35 PM



#26
Benzo(g,h,i)perylene
Concen: 1.996 ng/ul
RT: 28.09 min Scan# 4975
Delta R.T. 0.00 min
Lab File: BE095894.D
Acq: 29 Mar 2018 1:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	21.8	32.8#
277	24.6	20.5	30.7

