

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096179.D
 Acq On : 26 Apr 2018 13:58
 Operator : SJ/JU
 Sample : J2431-12DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DASP3DL

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:28:47 PM

Quant Time: Apr 27 04:09:50 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 02:29:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	709	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2866	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1730	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4272m	0.40	ng/ul	0.00
16) Chrysene-d12	21.75	240	3913m	0.40	ng/ul	0.00
20) Perylene-d12	24.36	264	4256m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	249	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	804m	0.04	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	11.23	128	3665	0.459	ng/ul#	88
5) 2-Methylnaphthalene	12.81	142	5830	1.090	ng/ul	99
7) Acenaphthylene	14.68	152	10478	1.175	ng/ul	98
8) Acenaphthene	15.01	153	47787	7.432	ng/ul	93
9) Fluorene	15.98	166	179605	21.110	ng/ul#	91
12) Phenanthrene	17.72	178	2665652m	211.935	ng/ul	
13) Anthracene	17.80	178	632389m	50.115	ng/ul	
15) Fluoranthene	19.69	202	3304811m	171.898	ng/ul	
17) Pyrene	20.04	202	1924030	245.096	ng/ul#	75
18) Benzo(a)anthracene	21.74	228	791988m	66.853	ng/ul	
19) Chrysene	21.79	228	533250m	48.985	ng/ul	
21) Benzo(b)fluoranthene	23.56	252	413089m	25.633	ng/ul	
22) Benzo(k)fluoranthene	23.60	252	126711m	8.225	ng/ul	
23) Benzo(a)pyrene	24.25	252	252051m	18.003	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.14	276	92277m	4.892	ng/ul	
25) Dibenzo(a,h)anthracene	27.14	278	27281m	1.727	ng/ul	
26) Benzo(a,h,i)perylene	28.00	276	72713m	4.428	ng/ul	

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

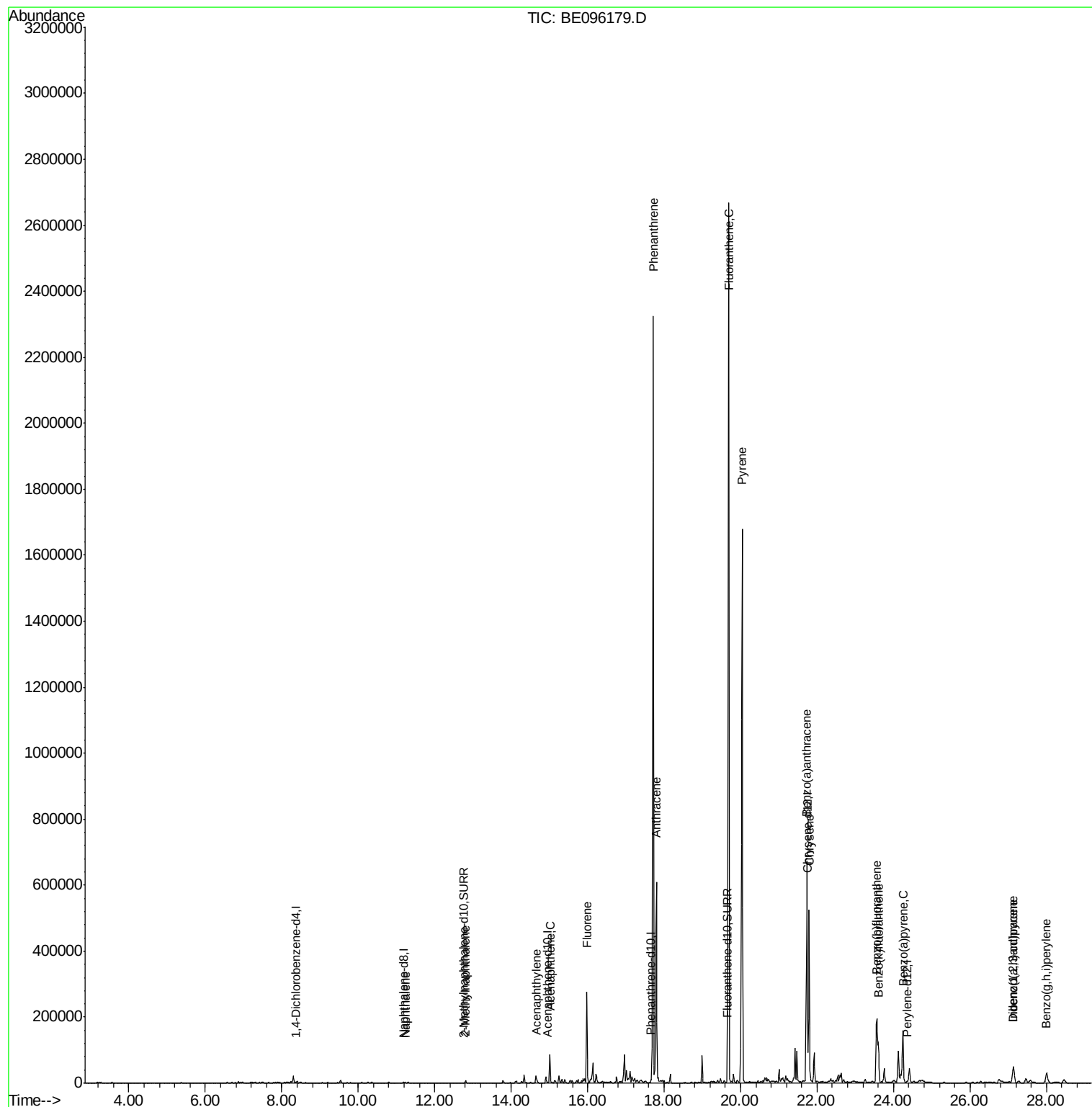
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
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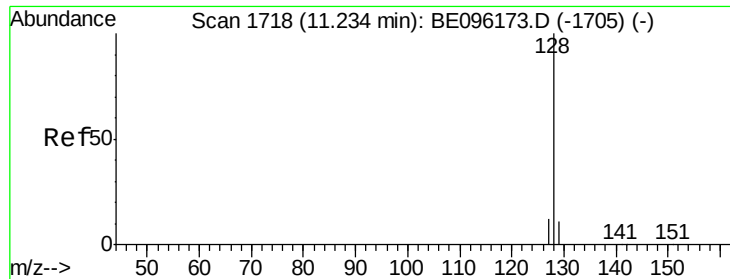
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#3

Naphthalene

Concen: 0.459 ng/ul

RT: 11.23 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BE096179.D

Acq: 26 Apr 2018 13:58

Instrument :

BNA_E

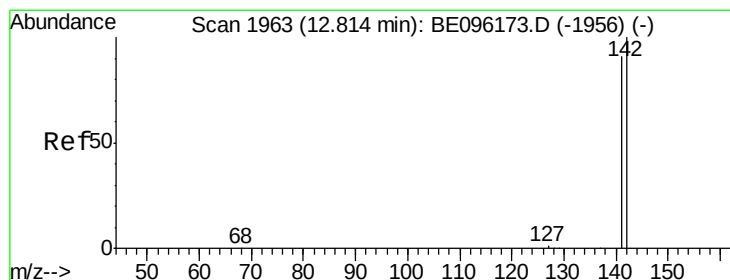
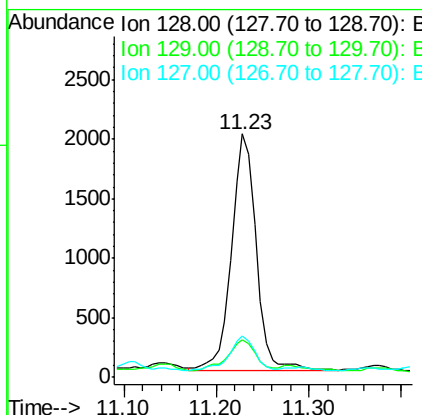
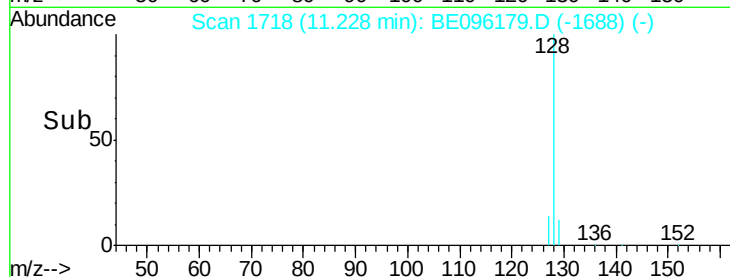
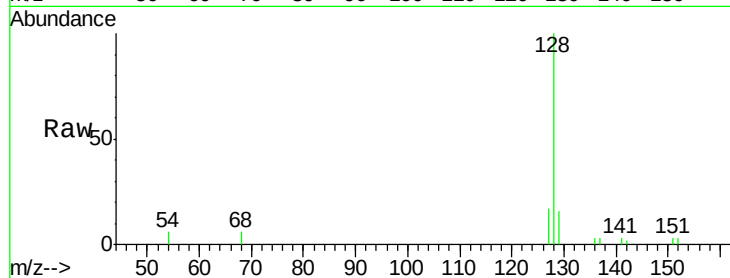
ClientSampleId :

DASP3DL

Tot Ion:128	Resp:	3665
Ion Ratio	Lower	Upper
128 100		
129 15.5	11.3	16.9
127 16.9	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 1.090 ng/ul

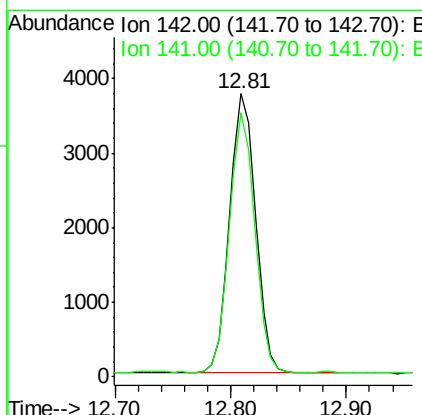
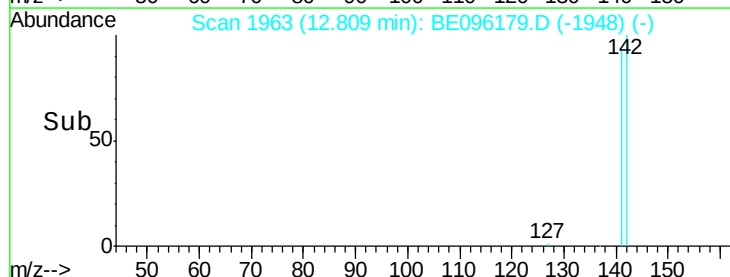
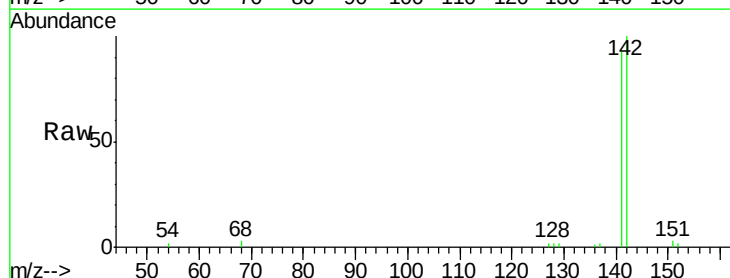
RT: 12.81 min Scan# 1963

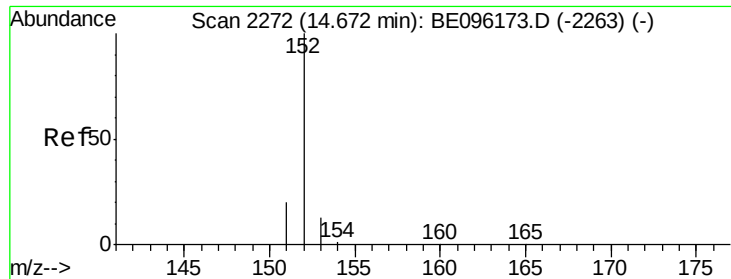
Delta R.T. -0.01 min

Lab File: BE096179.D

Acq: 26 Apr 2018 13:58

Tgt Ion:142	Resp:	5830
Ion Ratio	Lower	Upper
142 100		
141 90.2	72.6	108.8





#7

Acenaphthylene

Concen: 1.175 ng/ul

RT: 14.68 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BE096179.D

Acq: 26 Apr 2018 13:58

Instrument :

BNA_E

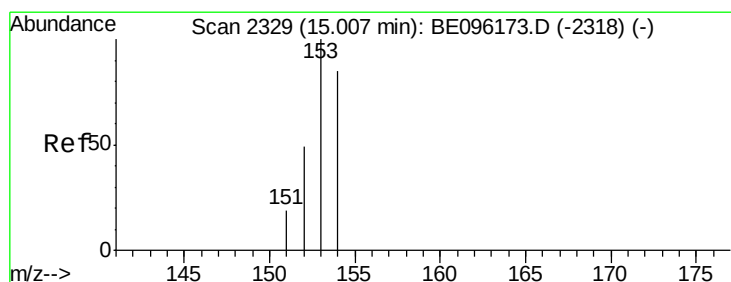
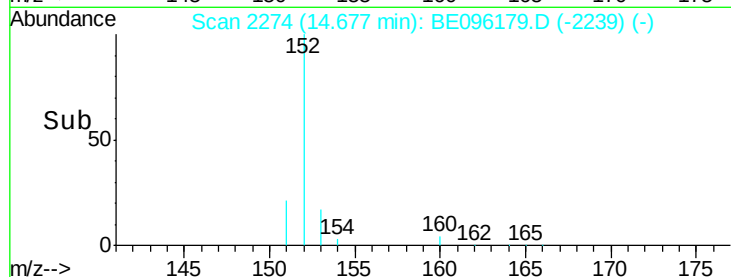
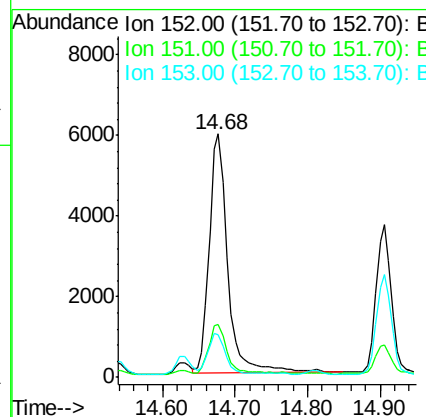
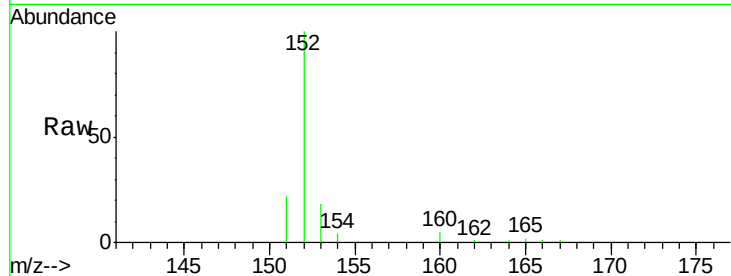
ClientSampleId :

DASP3DL

Tot Ion:	152	Resp:	10478
Ion Ratio	Lower	Upper	
152	100		
151	21.7	17.1	25.7
153	17.7	12.8	19.2

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#8

Acenaphthene

Concen: 7.432 ng/ul

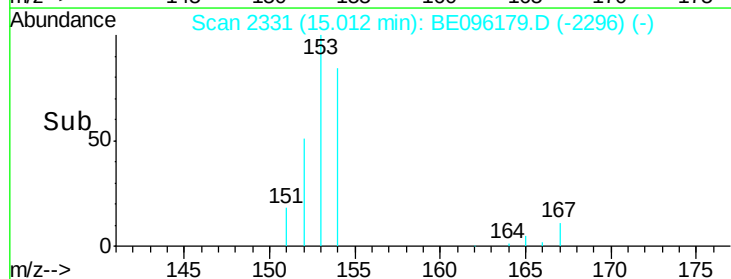
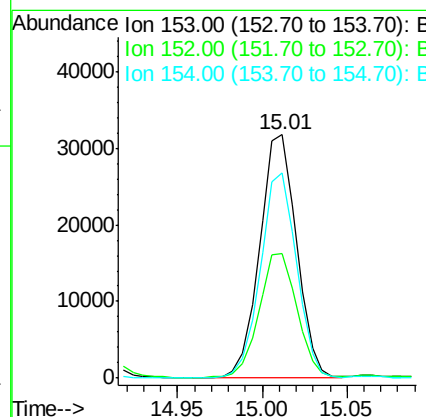
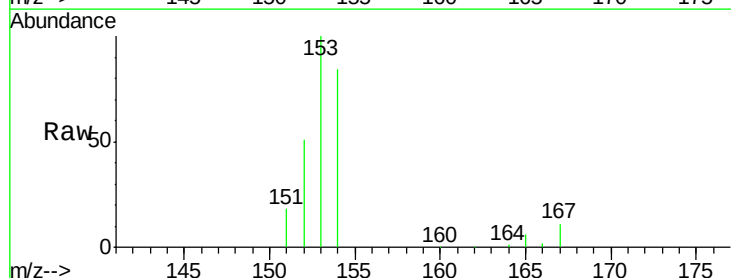
RT: 15.01 min Scan# 2331

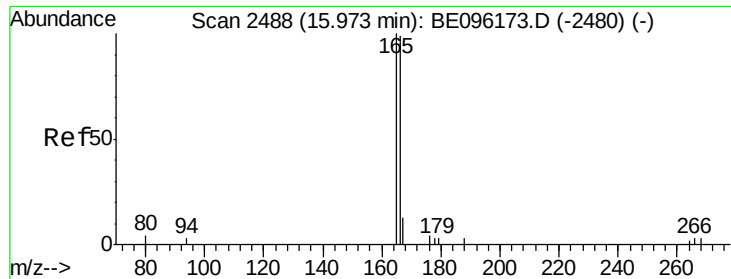
Delta R.T. 0.00 min

Lab File: BE096179.D

Acq: 26 Apr 2018 13:58

Tgt Ion:	153	Resp:	47787
Ion Ratio	Lower	Upper	
153	100		
152	51.2	36.0	54.0
154	84.1	72.0	108.0





#9

Fluorene

Concen: 21.110 ng/ul

RT: 15.98 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BE096179.D

Acq: 26 Apr 2018 13:58

Instrument :

BNA_E

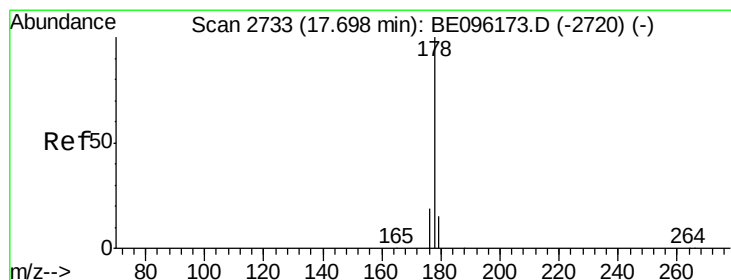
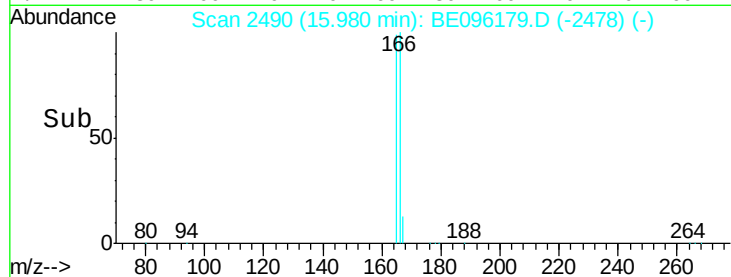
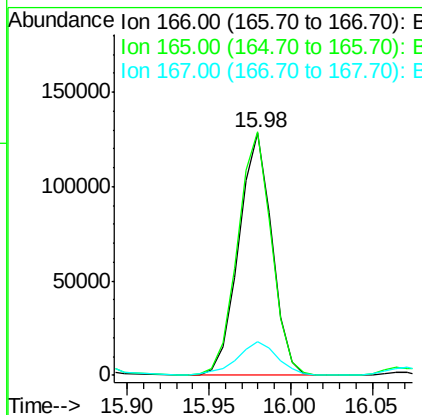
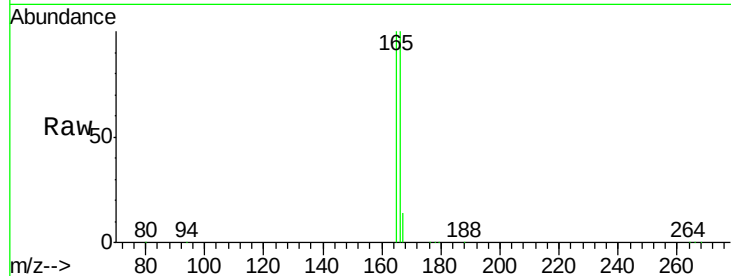
ClientSampleId :

DASP3DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.2	73.4	110.2
167	14.1	14.6	22.0#

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#12

Phenanthrene

Concen: 211.935 ng/ul m

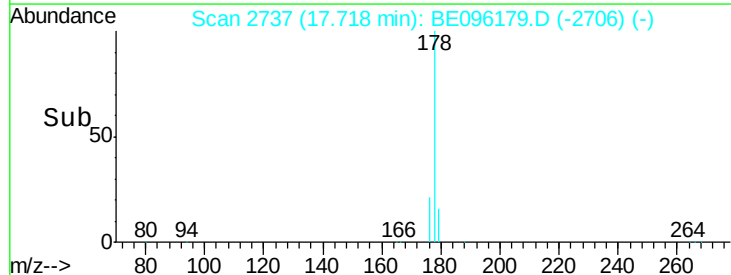
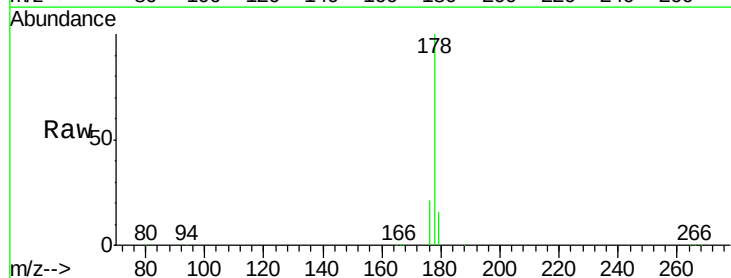
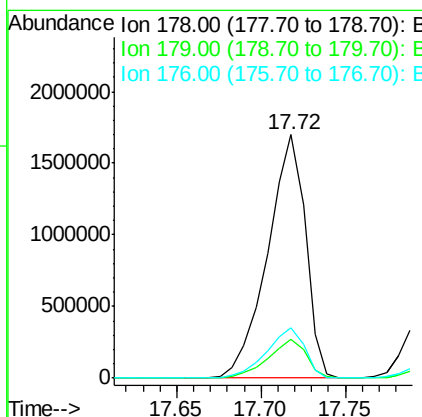
RT: 17.72 min Scan# 2737

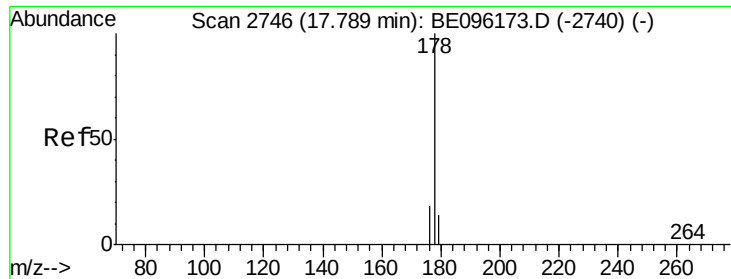
Delta R.T. 0.02 min

Lab File: BE096179.D

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Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	18.4	27.6#
176	20.7	13.6	20.4#





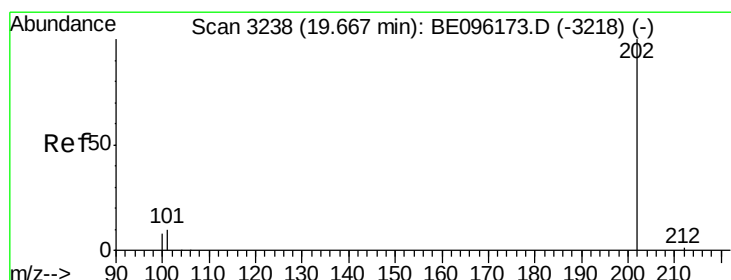
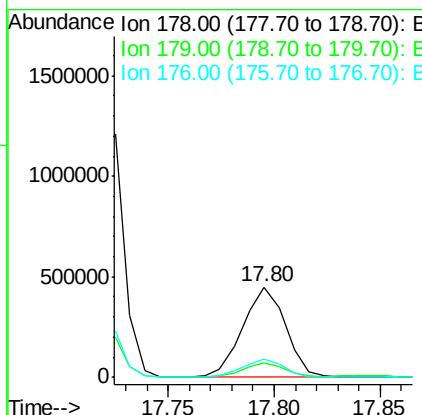
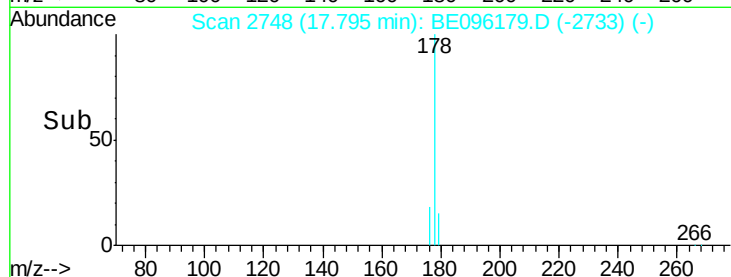
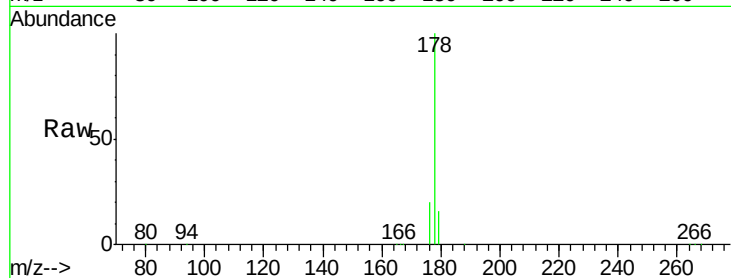
#13
 Anthracene
 Concen: 50.115 ng/ul m
 RT: 17.80 min Scan# 2748
 Delta R.T. 0.01 min
 Lab File: BE096179.D
 Acq: 26 Apr 2018 13:58

Instrument :
 BNA_E
 ClientSampleId :
 DASP3DL

Tot Ion:178 Resp: 632389
 Ion Ratio Lower Upper
 178 100
 179 15.5 18.1 27.1#
 176 19.8 14.7 22.1

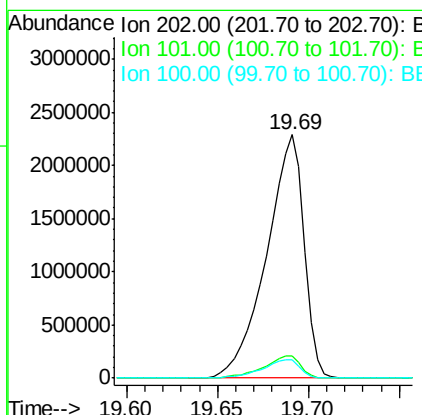
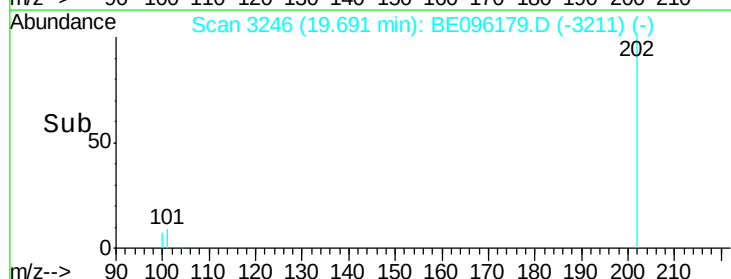
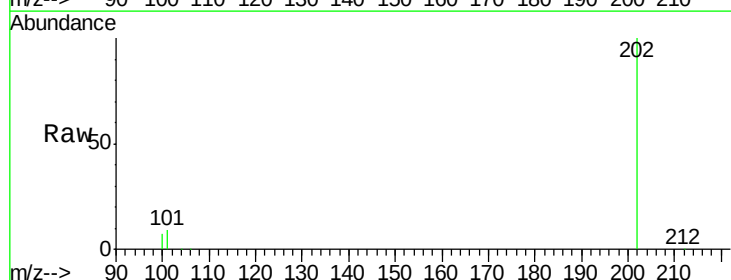
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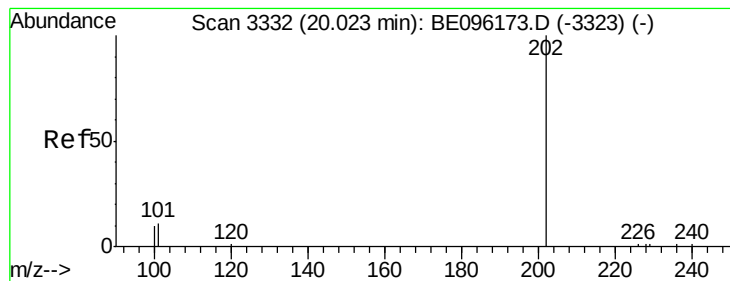
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#15
 Fluoranthene
 Concen: 171.898 ng/ul m
 RT: 19.69 min Scan# 3246
 Delta R.T. 0.02 min
 Lab File: BE096179.D
 Acq: 26 Apr 2018 13:58

Tgt Ion:202 Resp: 3304811
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 30.3
 100 7.3 0.0 39.5





#17

Pvrene

Concen: 245.096 ng/ul

RT: 20.04 min Scan# 3337

Delta R.T. 0.02 min

Lab File: BE096179.D

Acq: 26 Apr 2018 13:58

Instrument :

BNA_E

ClientSampleId :

DASP3DL

Tot Ion:202 Resp: 1924030

Ion Ratio Lower Upper

202 100

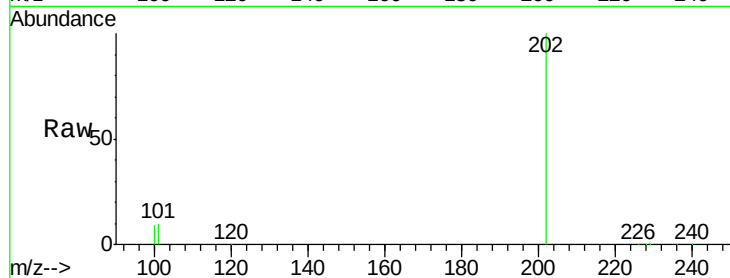
101 10.1 18.2 27.4#

100 9.0 15.6 23.4#

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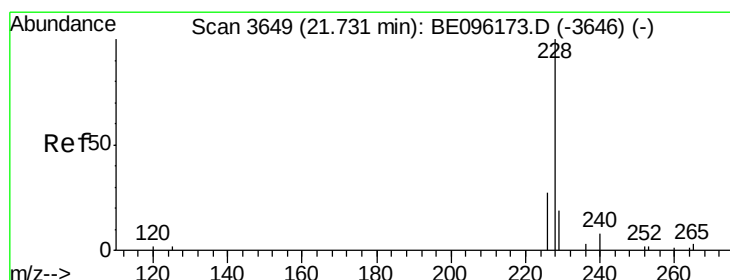
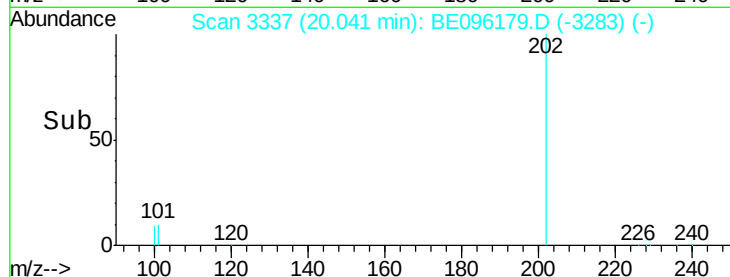
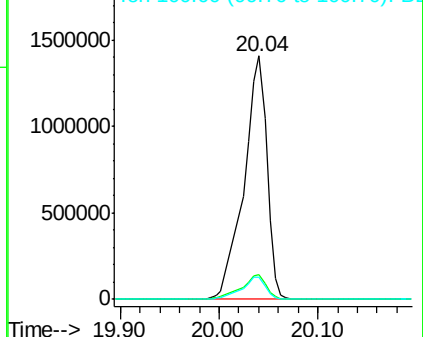
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18

Benzo(a)anthracene

Concen: 66.853 ng/ul m

RT: 21.74 min Scan# 3652

Delta R.T. 0.01 min

Lab File: BE096179.D

Acq: 26 Apr 2018 13:58

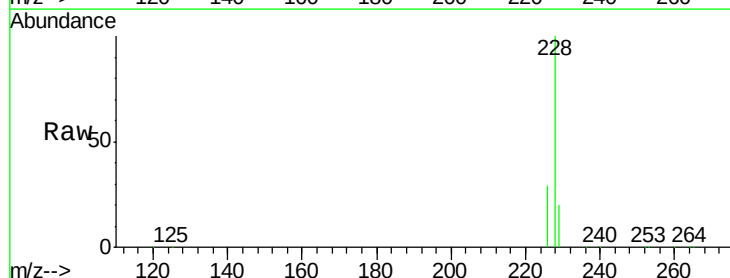
Tgt Ion:228 Resp: 791988

Ion Ratio Lower Upper

228 100

229 20.3 22.8 34.2#

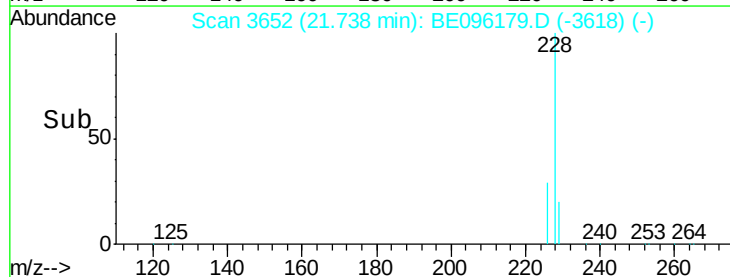
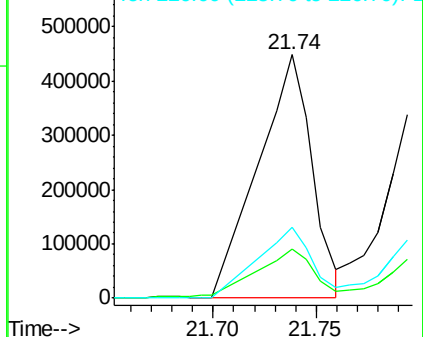
226 28.9 17.0 25.6#

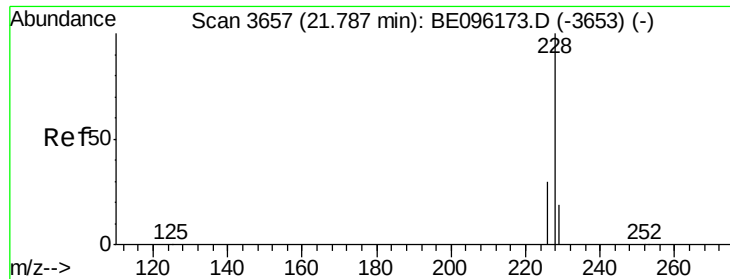


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 48.985 ng/ul m

RT: 21.79 min Scan# 3660

Delta R.T. 0.01 min

Lab File: BE096179.D

Acq: 26 Apr 2018 13:58

Instrument :

BNA_E

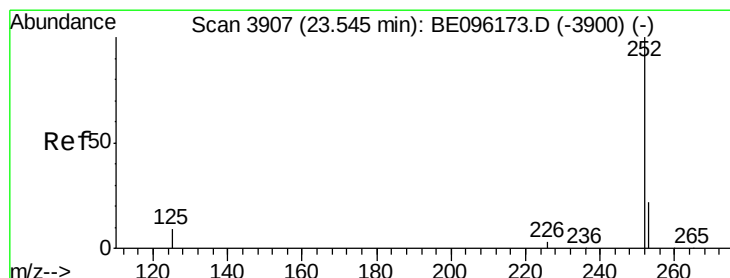
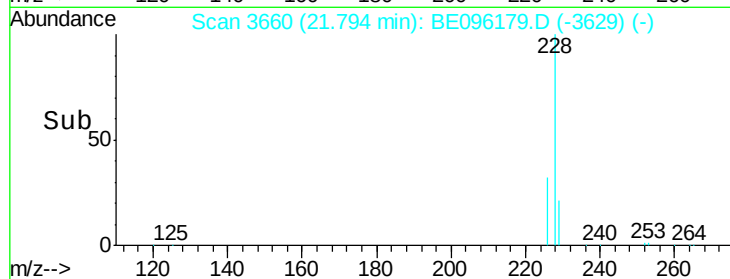
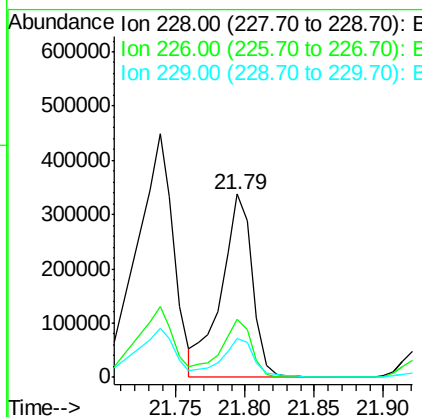
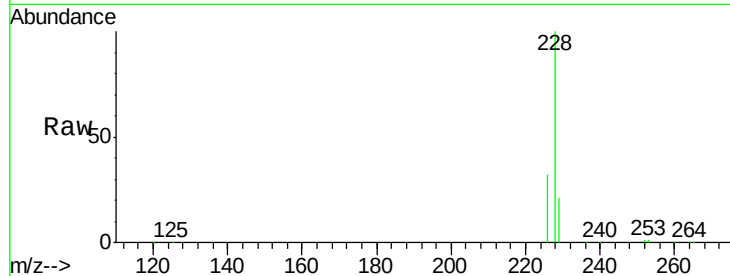
ClientSampleId :

DASP3DL

Tot Ion:	228	Resp:	533250
Ion Ratio		Lower	Upper
228	100		
226	32.0	23.4	35.0
229	21.3	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 25.633 ng/ul m

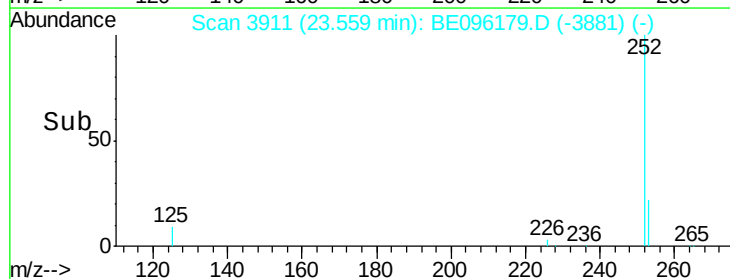
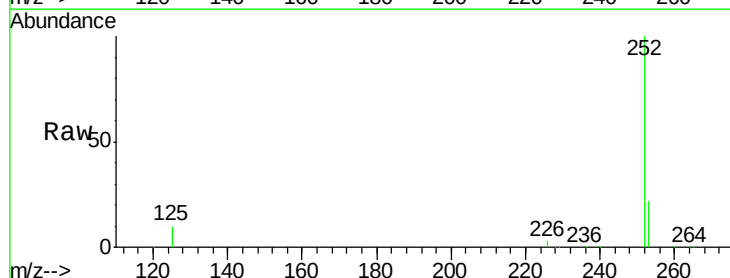
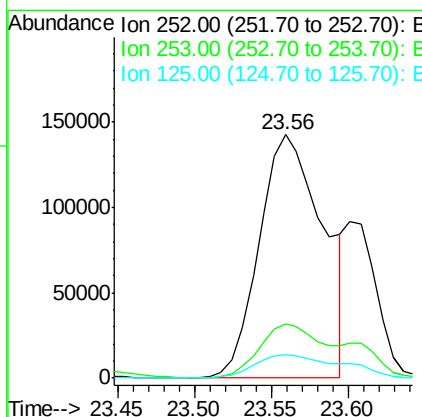
RT: 23.56 min Scan# 3911

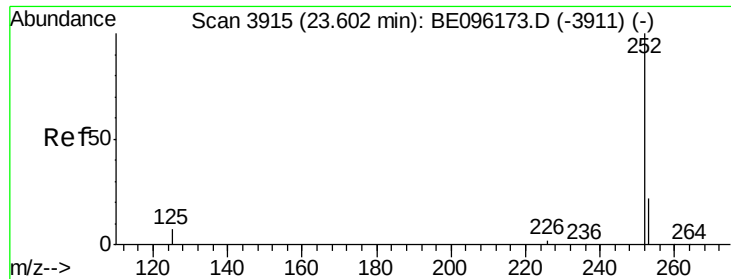
Delta R.T. 0.01 min

Lab File: BE096179.D

Acq: 26 Apr 2018 13:58

Tgt Ion:	252	Resp:	413089
Ion Ratio		Lower	Upper
252	100		
253	22.4	0.0	64.2
125	9.7	0.0	35.0





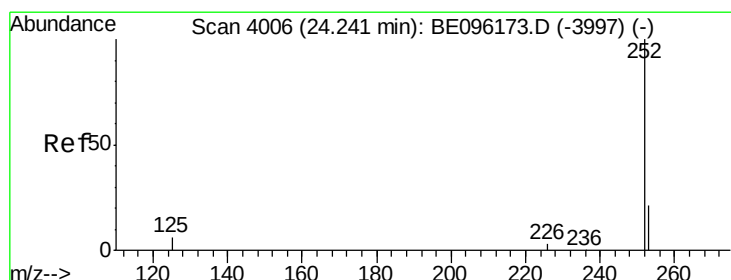
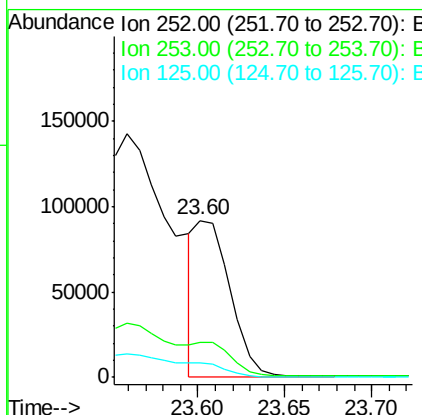
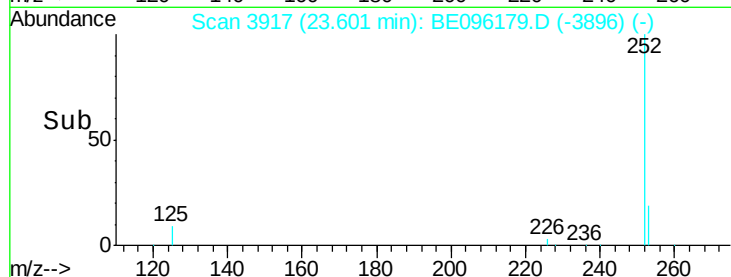
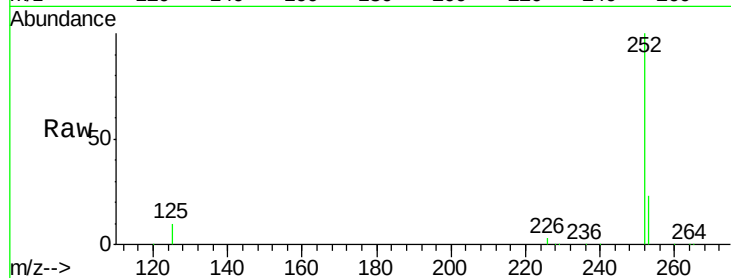
#22
Benzo(k)fluoranthene
Concen: 8.225 ng/ul m
RT: 23.60 min Scan# 3917
Delta R.T. -0.00 min
Lab File: BE096179.D
Acq: 26 Apr 2018 13:58

Instrument :
BNA_E
ClientSampleId :
DASP3DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	24.5	36.7#
125	9.6	13.7	20.5#

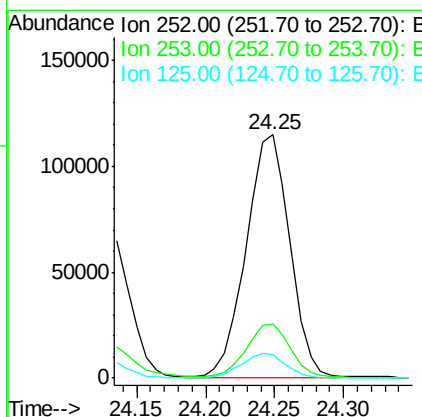
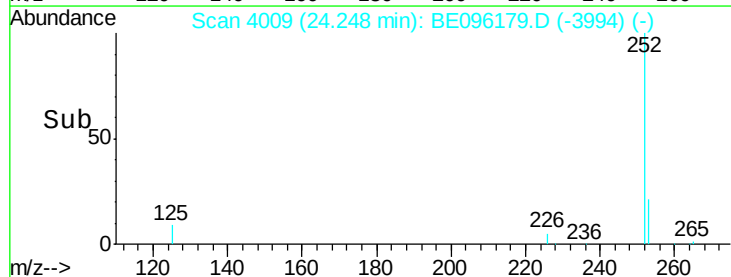
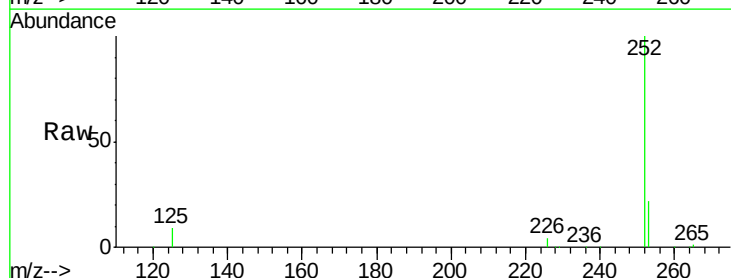
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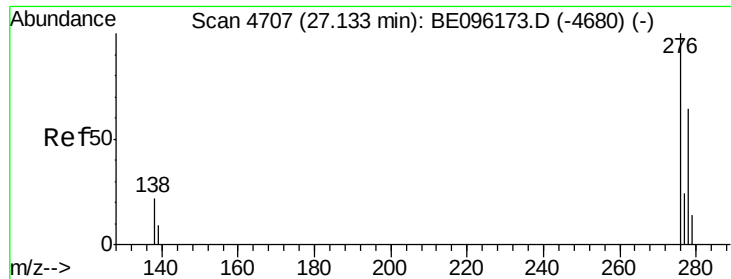
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#23
Benzo(a)pyrene
Concen: 18.003 ng/ul m
RT: 24.25 min Scan# 4009
Delta R.T. 0.01 min
Lab File: BE096179.D
Acq: 26 Apr 2018 13:58

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	28.5	42.7#
125	9.4	18.1	27.1#





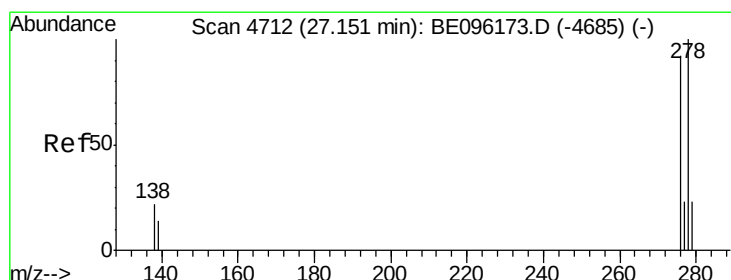
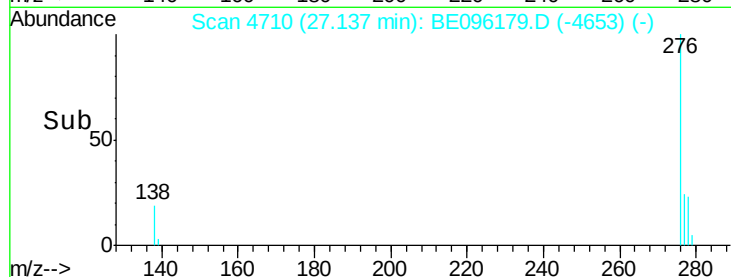
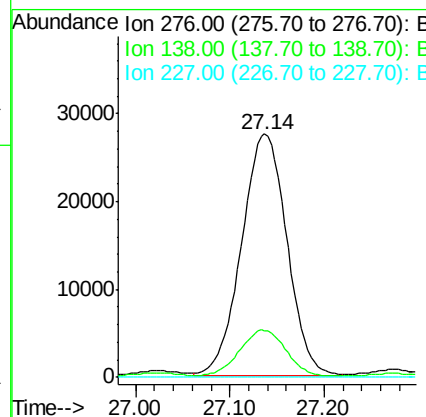
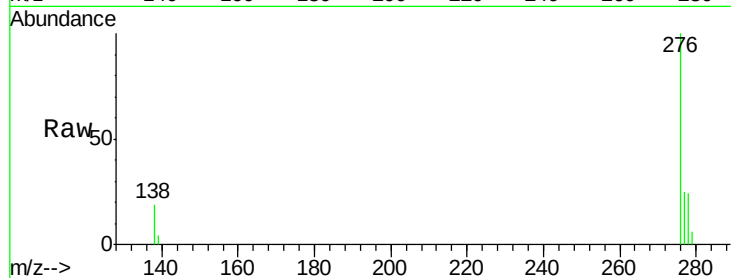
#24
Indeno(1,2,3-cd)pyrene
Concen: 4.892 ng/ul m
RT: 27.14 min Scan# 4710
Delta R.T. 0.00 min
Lab File: BE096179.D
Acq: 26 Apr 2018 13:58

Instrument :
BNA_E
ClientSampleId :
DASP3DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.3	28.0	42.0#
227	0.0	8.0	12.0#

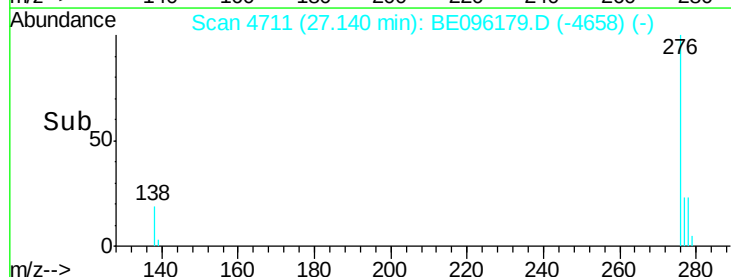
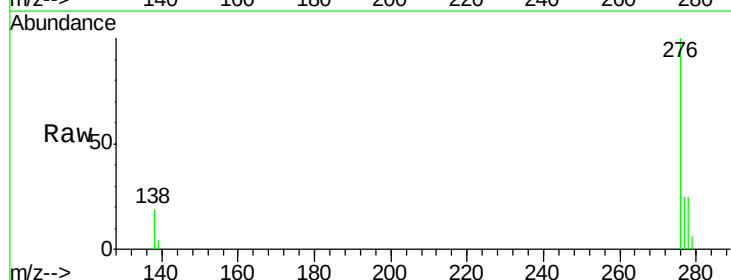
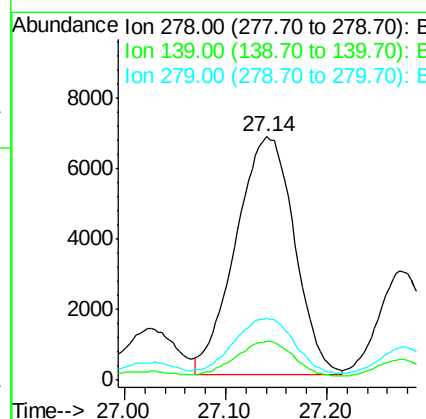
Manual Integrations
APPROVED

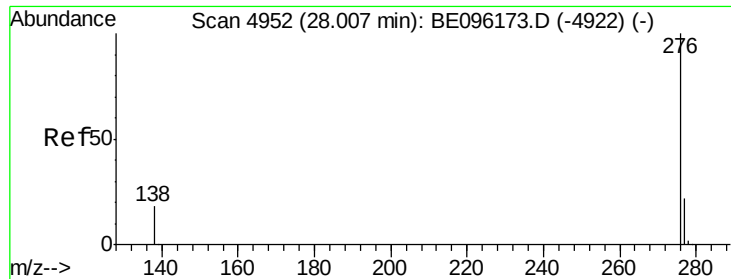
Sohil
4/27/2018 7:28:47 PM



#25
Dibenzo(a,h)anthracene
Concen: 1.727 ng/ul m
RT: 27.14 min Scan# 4711
Delta R.T. -0.01 min
Lab File: BE096179.D
Acq: 26 Apr 2018 13:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.7	17.4	26.0#
279	25.3	25.9	38.9#





#26
 Benzo(a,h,i)perylene
 Concen: 4.428 ng/ul m
 RT: 28.00 min Scan# 4953
 Delta R.T. -0.00 min
 Lab File: BE096179.D
 Acq: 26 Apr 2018 13:58

Instrument :
 BNA_E
 ClientSampleId :
 DASP3DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	21.8	32.8#
277	24.1	20.5	30.7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:28:47 PM

