

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 09 05:48:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3857	0.40	ng/ul	0.00
2) Naphthalene-d8	10.14	136	20960	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	13084	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	28699m	0.40	ng/ul	0.00
16) Chrysene-d12	20.99	240	27936m	0.40	ng/ul	0.01
20) Perylene-d12	23.23	264	26744m	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.74	152	6833	0.20	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	17194m	0.24	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.19	128	62291	1.229	ng/ul#	91
5) 2-Methylnaphthalene	11.81	142	23075	0.669	ng/ul	97
7) Acenaphthylene	13.74	152	261019	4.867	ng/ul	96
8) Acenaphthene	14.09	153	9618	0.217	ng/ul#	88
9) Fluorene	15.09	166	11374	0.249	ng/ul#	88
12) Phenanthrene	16.82	178	213124m	2.880	ng/ul	
13) Anthracene	16.91	178	312914m	4.980	ng/ul	
15) Fluoranthene	18.85	202	1372761m	17.417	ng/ul	
17) Pyrene	19.21	202	1912123	20.852	ng/ul#	83
18) Benzo(a)anthracene	20.97	228	1600097m	24.283	ng/ul	
19) Chrysene	21.02	228	2208542	25.871	ng/ul	96
21) Benzo(b)fluoranthene	22.57	252	5806846m	79.554	ng/ul	
22) Benzo(k)fluoranthene	22.61	252	1444247m	18.123	ng/ul	
23) Benzo(a)pyrene	23.15	252	2798771m	45.332	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.56	276	2462673	38.426	ng/ul#	75
25) Dibenzo(a,h)anthracene	25.56	278	613546m	12.051	ng/ul	
26) Benzo(g,h,i)perylene	26.26	276	2087255	33.553	ng/ul#	94

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

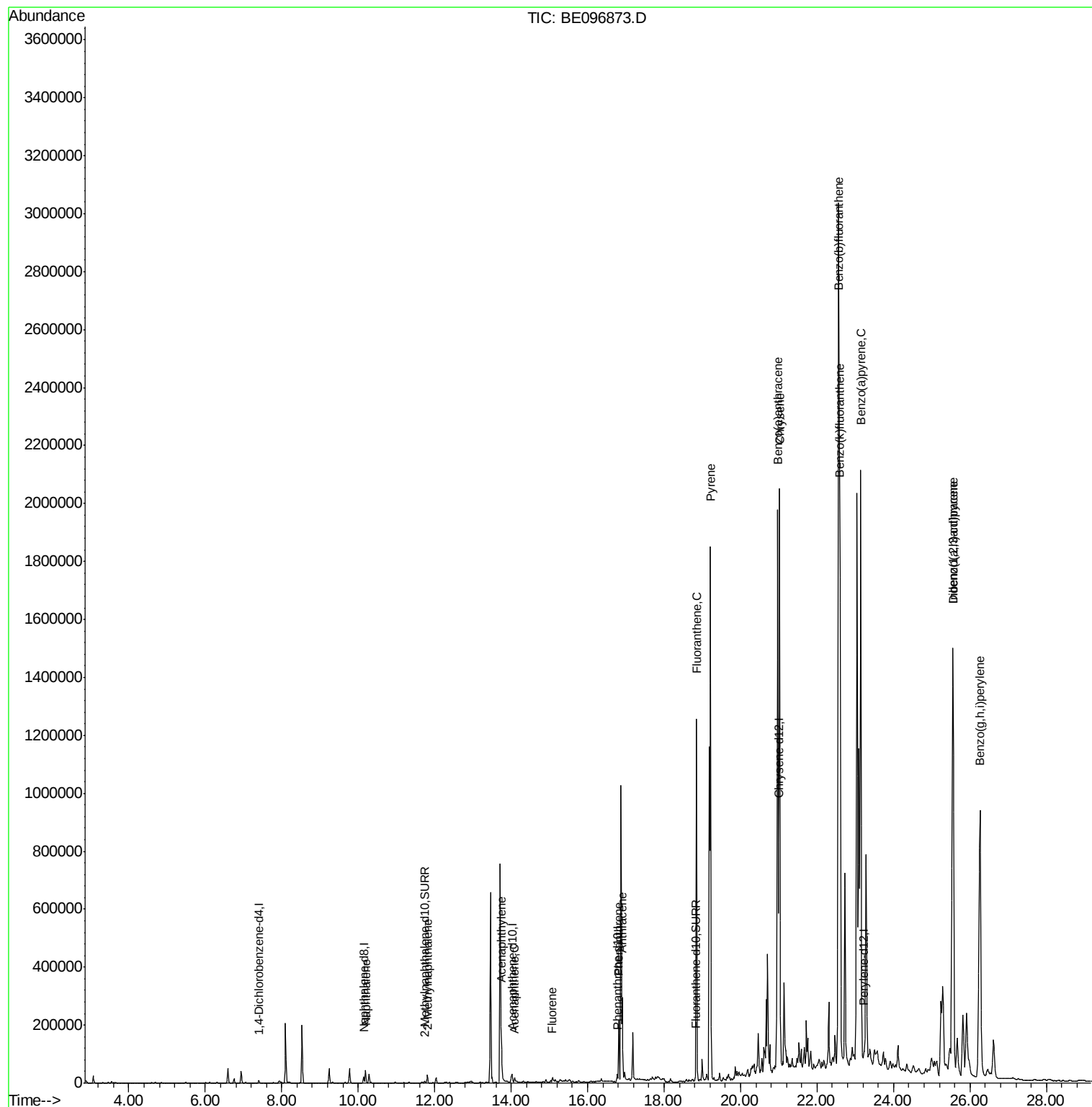
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070618\
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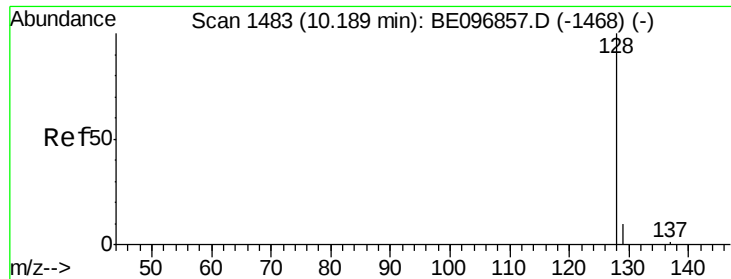
Instrument :
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Response via : Initial Calibration





#3

Naphthalene

Concen: 1.229 ng/ul

RT: 10.19 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

Instrument :

BNA_E

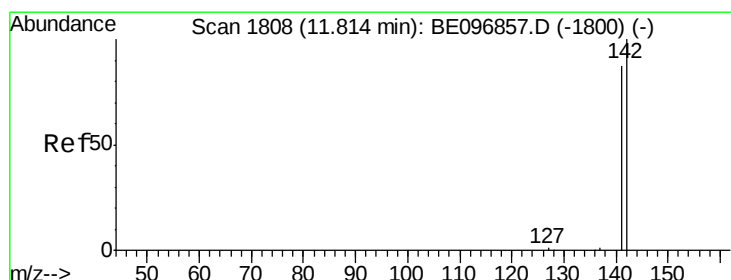
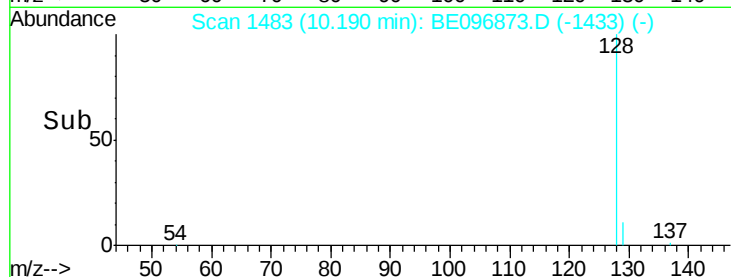
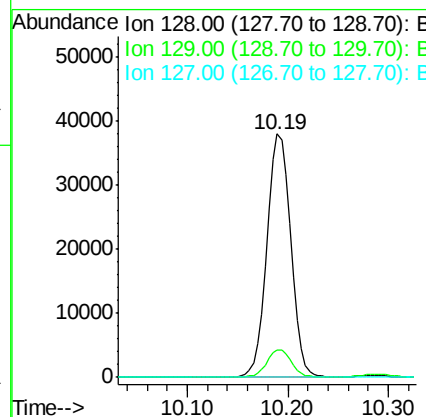
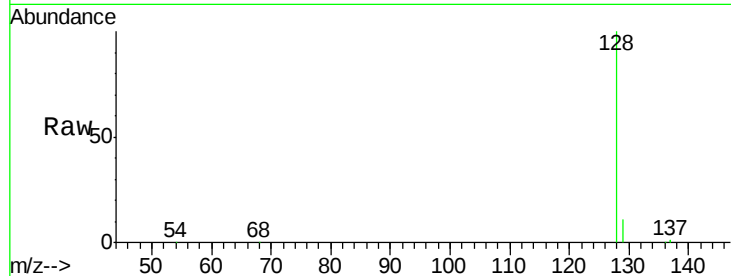
ClientSampleId :

F1H07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	11.3	16.9
127	0.0	4.0	6.0

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#5

2-Methylnaphthalene

Concen: 0.669 ng/ul

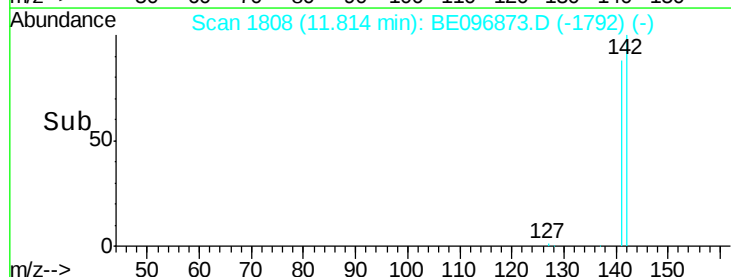
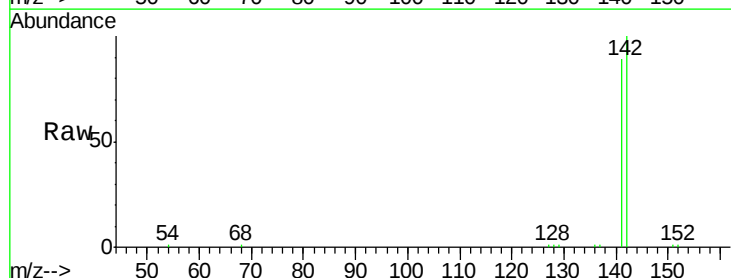
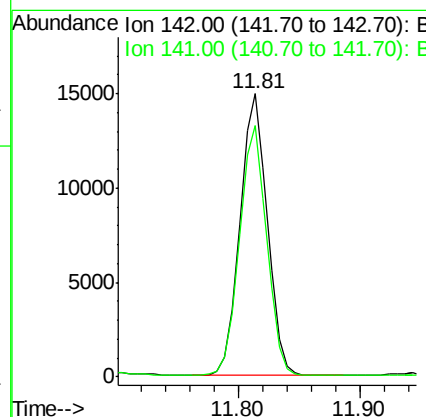
RT: 11.81 min Scan# 1808

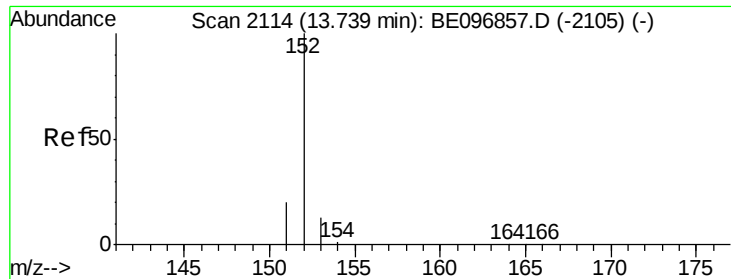
Delta R.T. 0.00 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.6	108.8





#7

Acenaphthylene

Concen: 4.867 ng/ul

RT: 13.74 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

Instrument :

BNA_E

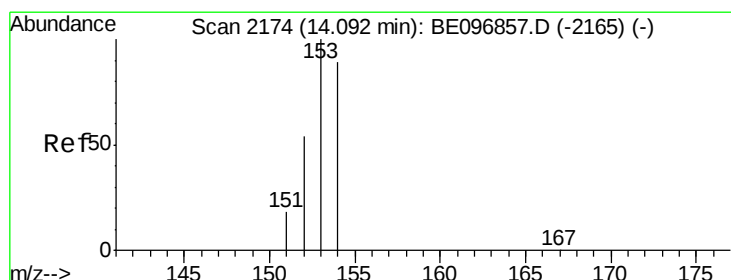
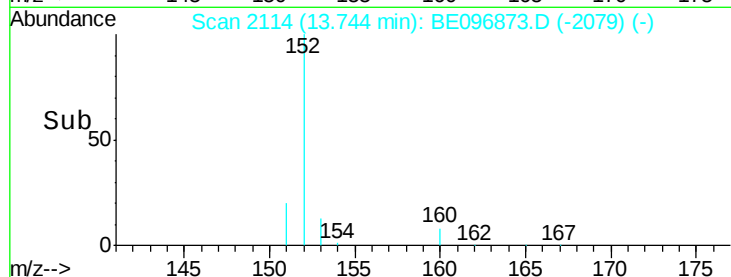
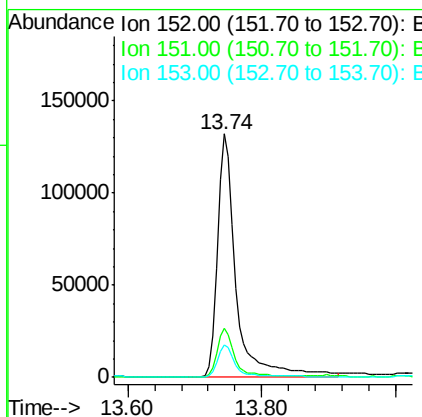
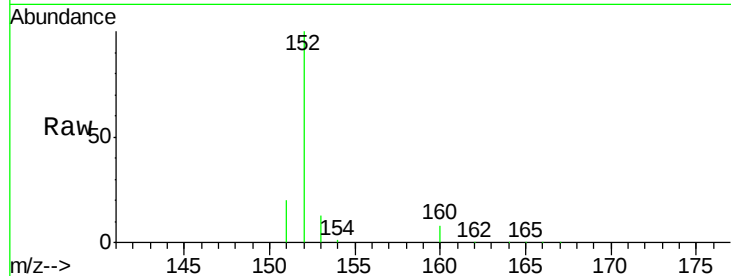
ClientSampleId :

F1H07

Tgt Ion:	152	Resp:	261019
Ion Ratio		Lower	Upper
152	100		
151	20.3	17.1	25.7
153	13.4	12.8	19.2

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#8

Acenaphthene

Concen: 0.217 ng/ul

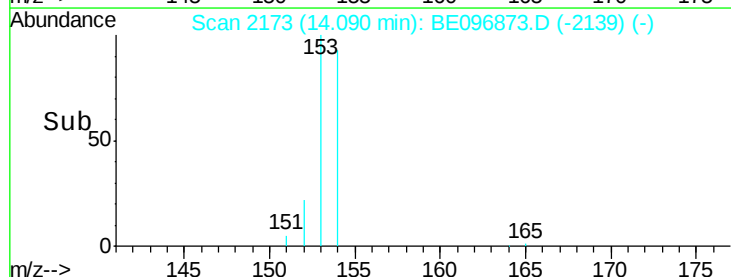
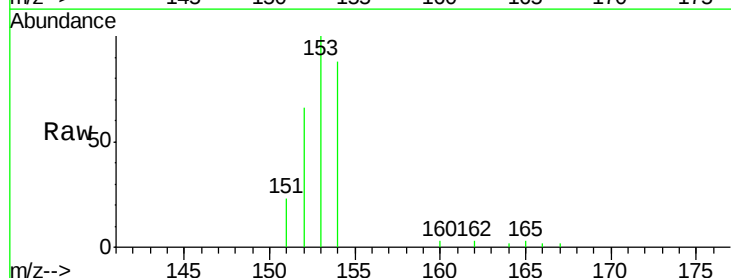
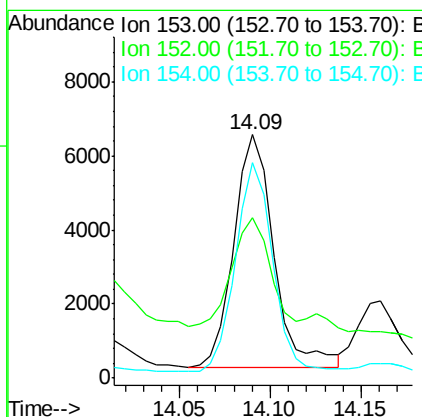
RT: 14.09 min Scan# 2173

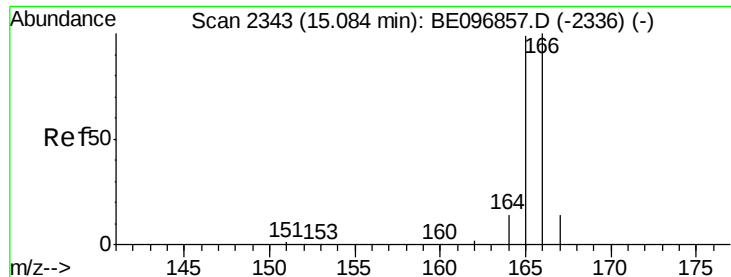
Delta R.T. -0.00 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

Tgt Ion:	153	Resp:	9618
Ion Ratio		Lower	Upper
153	100		
152	65.8	36.0	54.0#
154	88.4	72.0	108.0





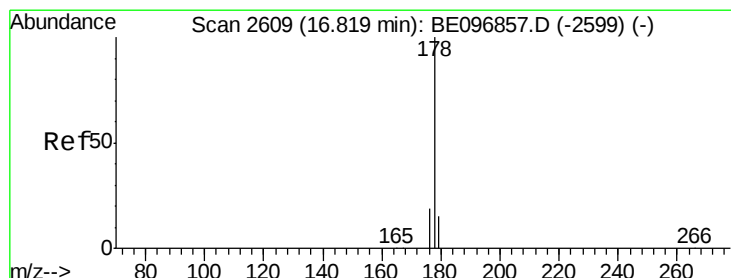
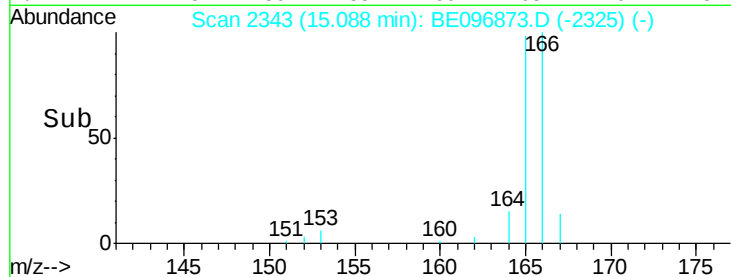
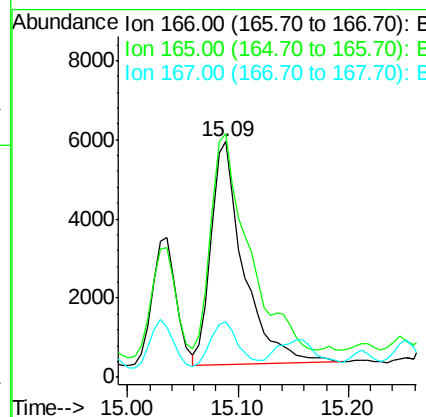
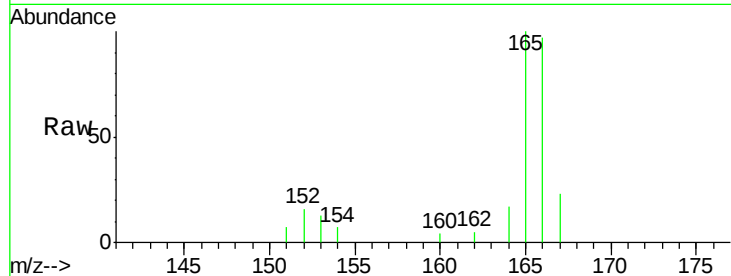
#9
Fluorene
 Concen: 0.249 ng/ul
 RT: 15.09 min Scan# 2343
 Delta R.T. 0.01 min
 Lab File: BE096873.D
 Acq: 7 Jul 2018 3:26

Instrument :
 BNA_E
 ClientSampleId :
 F1H07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.4	73.4	110.2
167	23.5	14.6	22.0

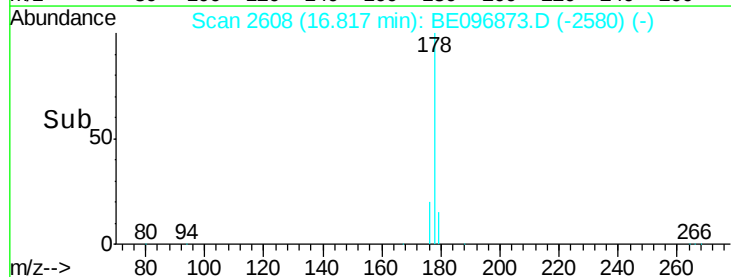
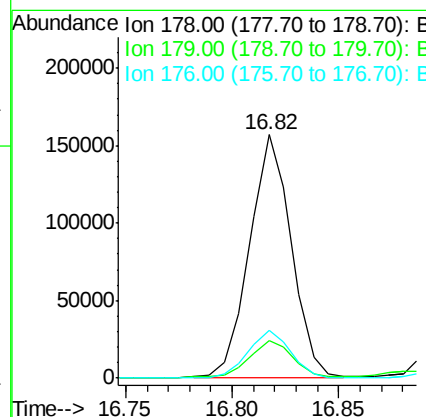
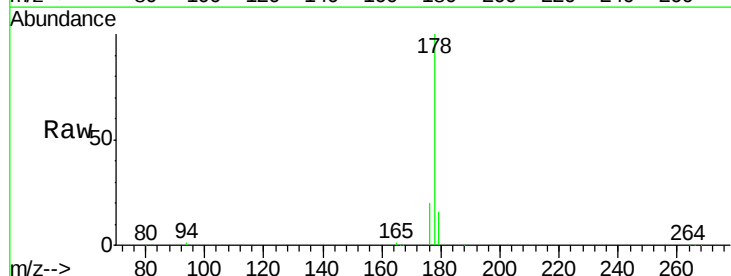
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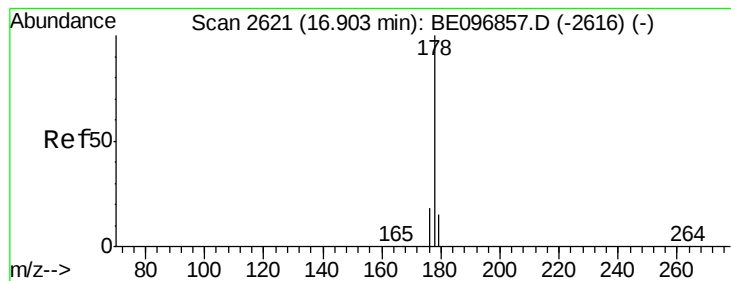
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#12
Phenanthrene
 Concen: 2.880 ng/ul m
 RT: 16.82 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: BE096873.D
 Acq: 7 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	18.4	27.6
176	19.8	13.6	20.4





#13

Anthracene

Concen: 4.980 ng/ul m

RT: 16.91 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

Instrument :

BNA_E

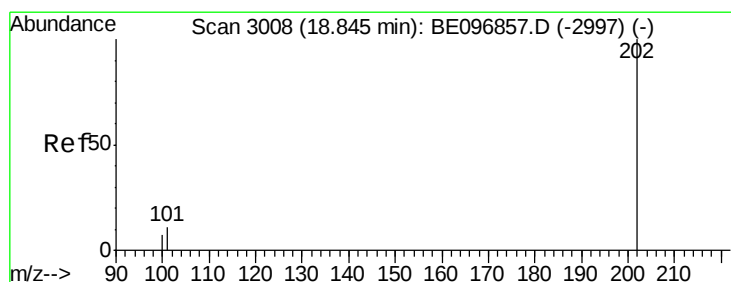
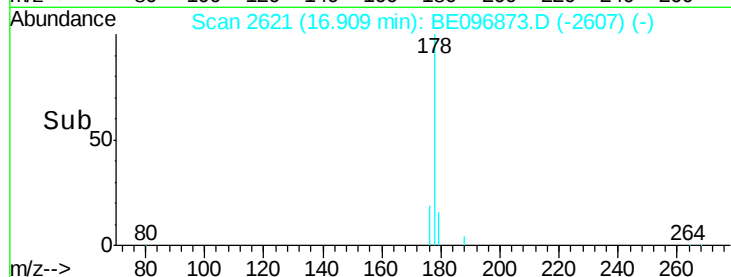
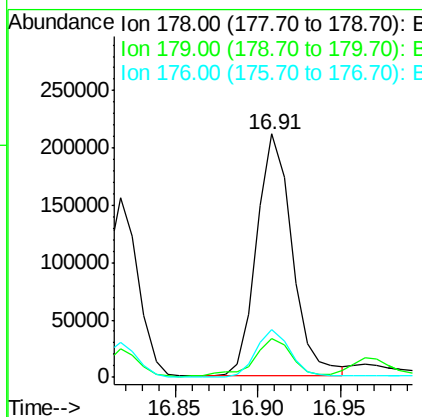
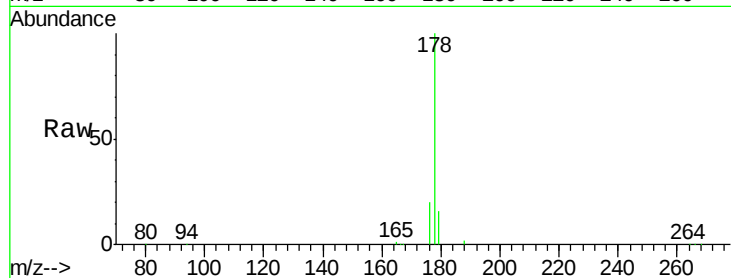
ClientSampleId :

F1H07

Tgt Ion:178 Resp: 312914
 Ion Ratio Lower Upper
 178 100
 179 15.9 18.1 27.1#
 176 19.6 14.7 22.1

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#15

Fluoranthene

Concen: 17.417 ng/ul m

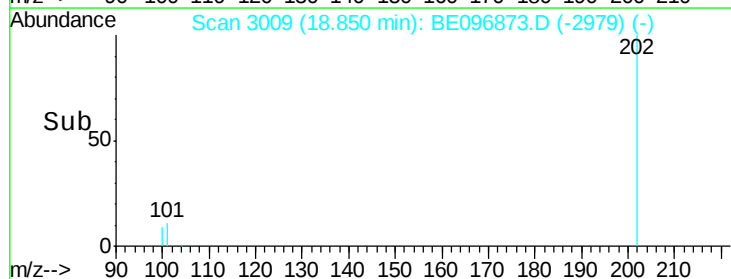
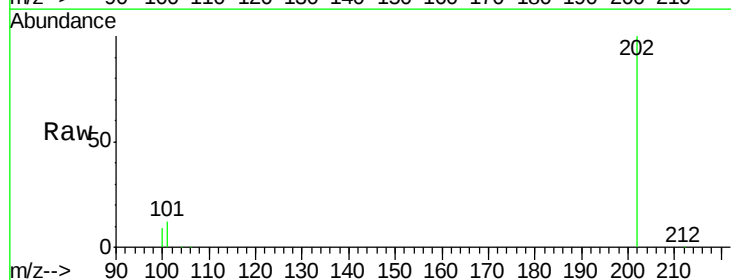
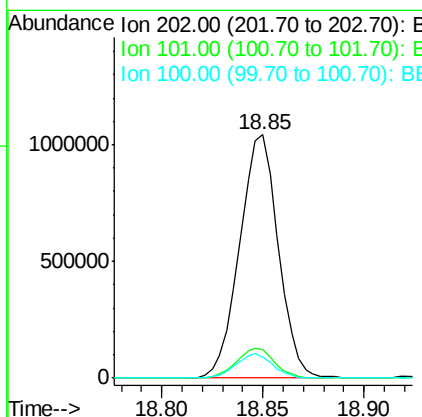
RT: 18.85 min Scan# 3009

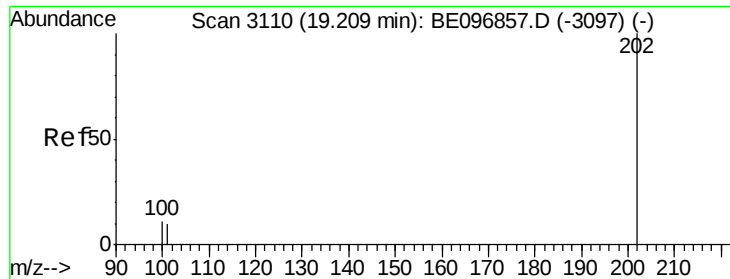
Delta R.T. 0.01 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

Tgt Ion:202 Resp: 1372761
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.3
 100 8.8 0.0 39.5





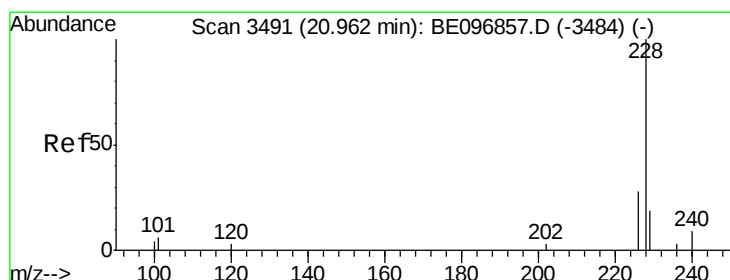
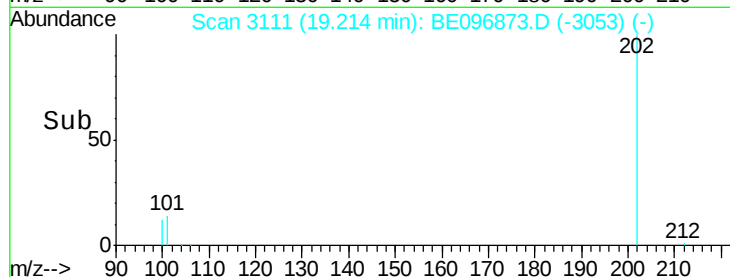
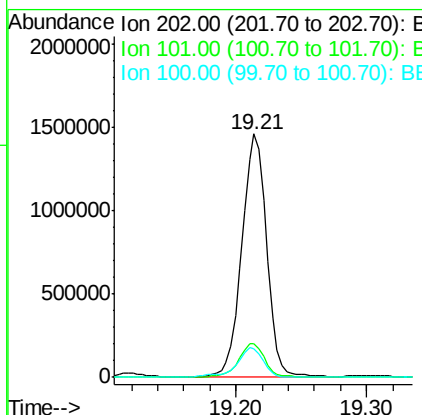
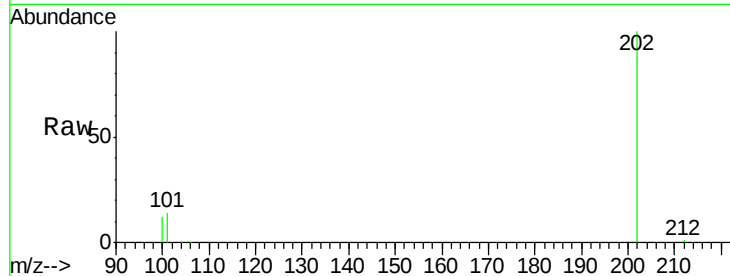
#17
Pyrene
Concen: 20.852 ng/ul
RT: 19.21 min Scan# 3111
Delta R.T. 0.01 min
Lab File: BE096873.D
Acq: 7 Jul 2018 3:26

Instrument :
BNA_E
ClientSampleId :
F1H07

Tgt Ion: 202 Resp: 1912123
Ion Ratio Lower Upper
202 100
101 14.1 18.2 27.4#
100 11.9 15.6 23.4#

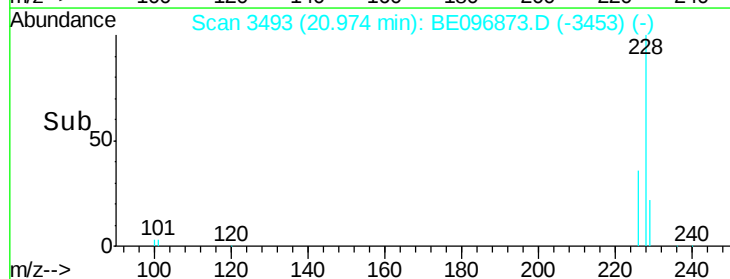
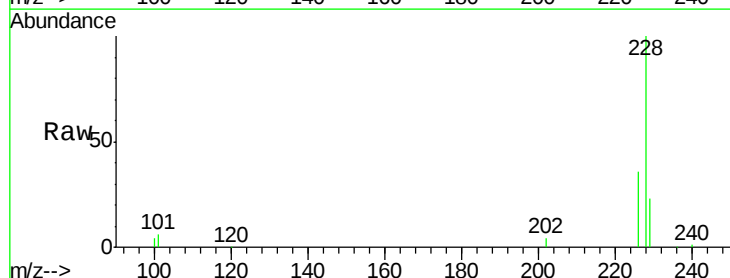
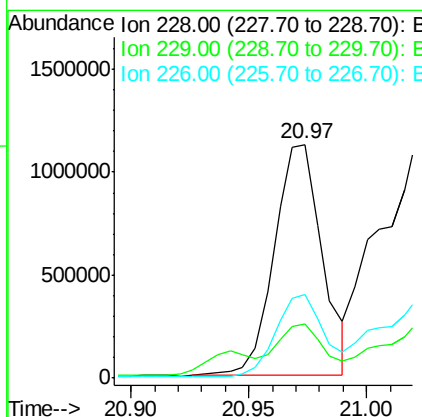
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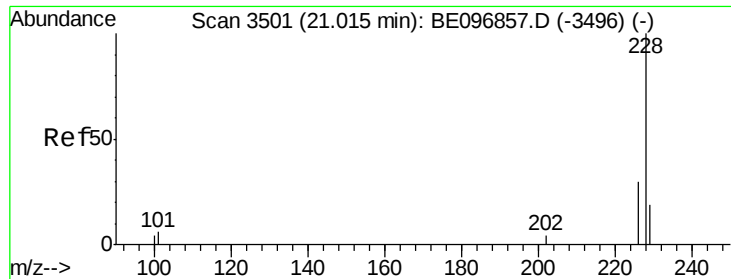
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#18
Benzo(a)anthracene
Concen: 24.283 ng/ul m
RT: 20.97 min Scan# 3493
Delta R.T. 0.01 min
Lab File: BE096873.D
Acq: 7 Jul 2018 3:26

Tgt Ion: 228 Resp: 1600097
Ion Ratio Lower Upper
228 100
229 23.0 22.8 34.2
226 36.0 17.0 25.6#





#19

Chrysene

Concen: 25.871 ng/ul

RT: 21.02 min Scan# 3502

Delta R.T. 0.01 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

Instrument :

BNA_E

ClientSampleId :

F1H07

Tgt Ion:228 Resp: 2208542

Ion Ratio Lower Upper

228 100

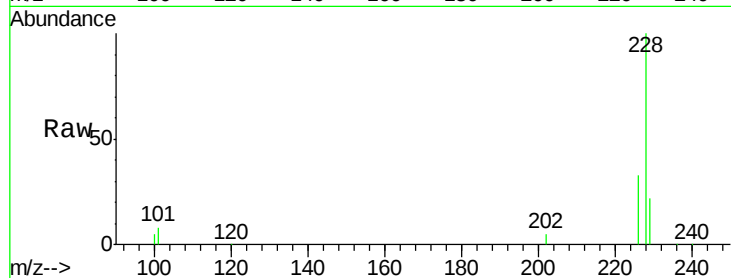
226 32.8 23.4 35.0

229 22.3 17.7 26.5

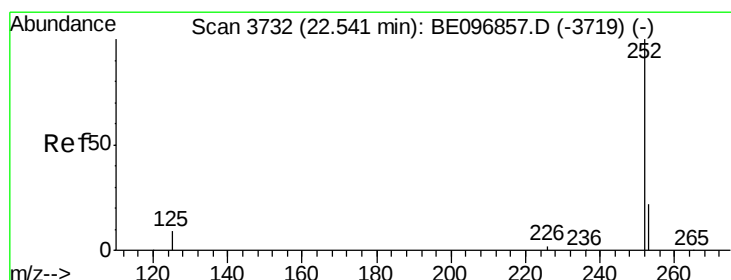
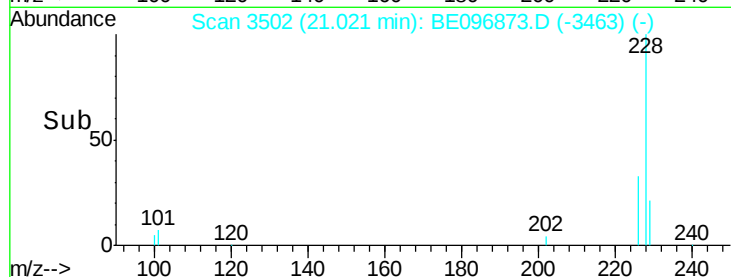
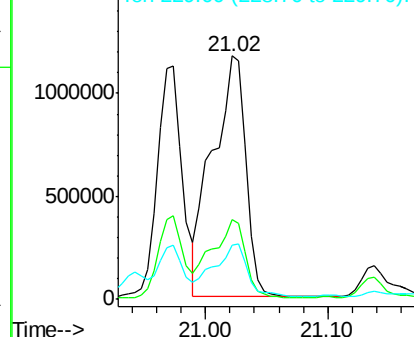
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 79.554 ng/ul m

RT: 22.57 min Scan# 3736

Delta R.T. 0.04 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

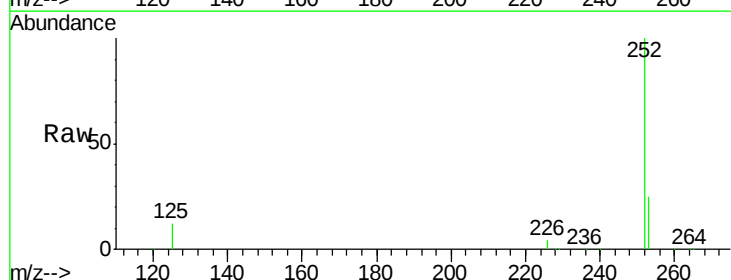
Tgt Ion:252 Resp: 5806846

Ion Ratio Lower Upper

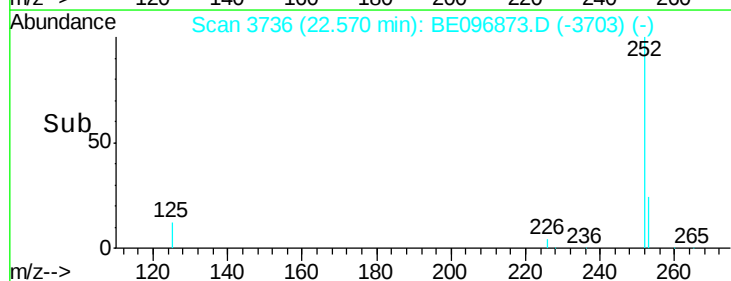
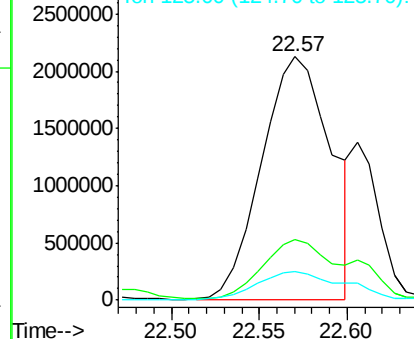
252 100

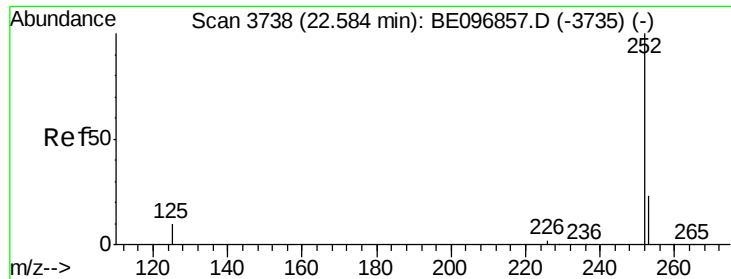
253 24.7 0.0 64.2

125 11.8 0.0 35.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 18.123 ng/ul m

RT: 22.61 min Scan# 3741

Delta R.T. 0.02 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

Instrument :

BNA_E

ClientSampled :

F1H07

Tgt Ion:252 Resp: 1444247

Ion Ratio Lower Upper

252 100

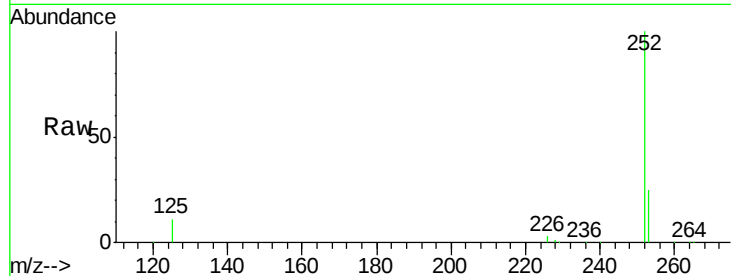
253 25.1 24.5 36.7

125 10.5 13.7 20.5#

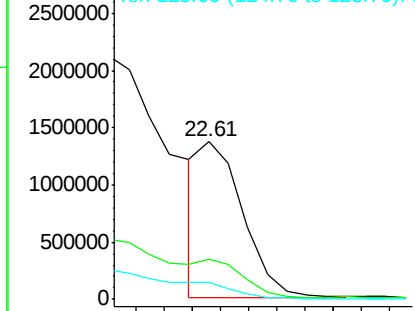
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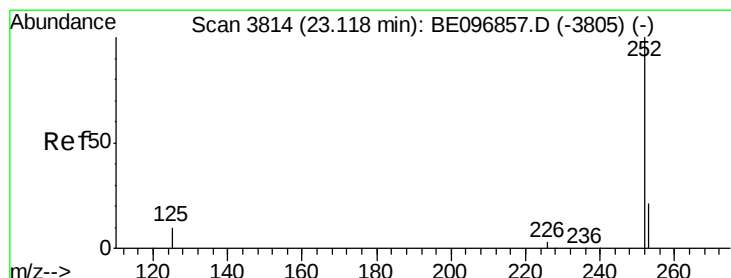
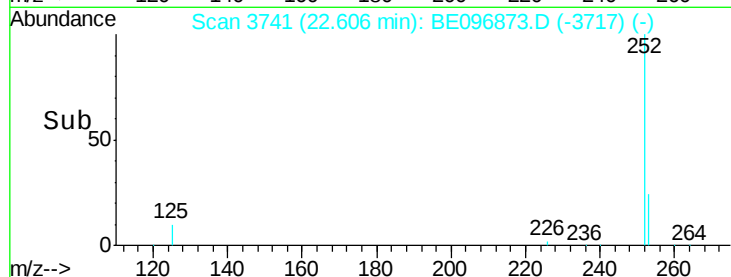
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#23

Benzo(a)pyrene

Concen: 45.332 ng/ul m

RT: 23.15 min Scan# 3818

Delta R.T. 0.04 min

Lab File: BE096873.D

Acq: 7 Jul 2018 3:26

Tgt Ion:252 Resp: 2798771

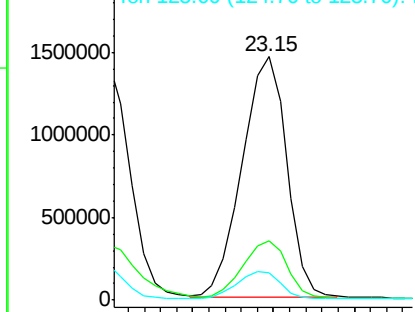
Ion Ratio Lower Upper

252 100

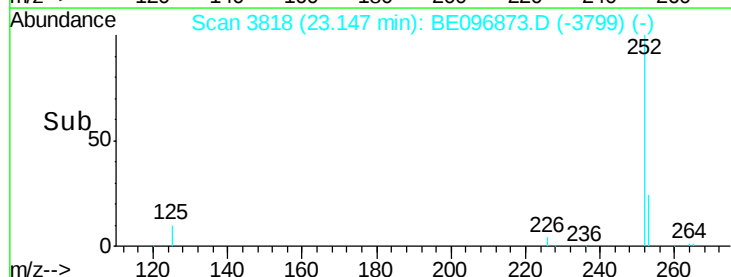
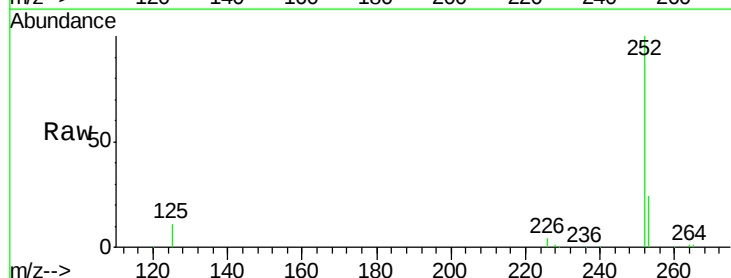
253 24.4 28.5 42.7#

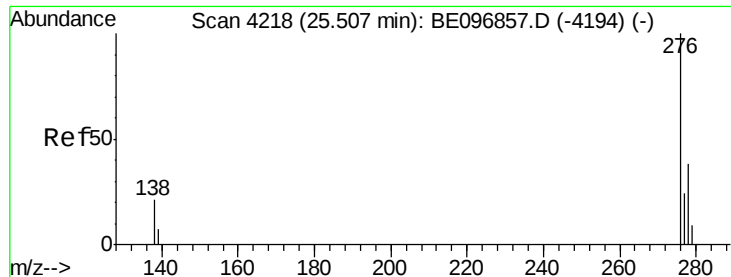
125 11.1 18.1 27.1#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





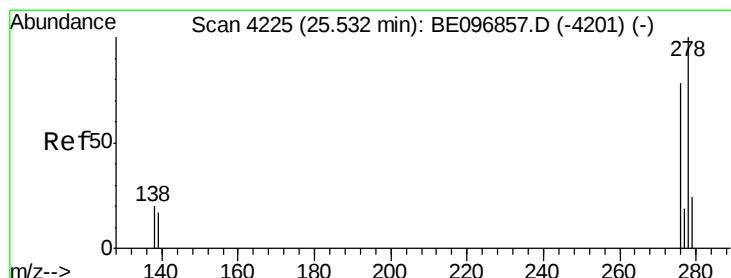
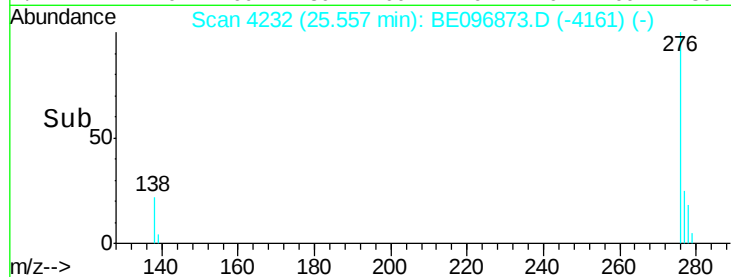
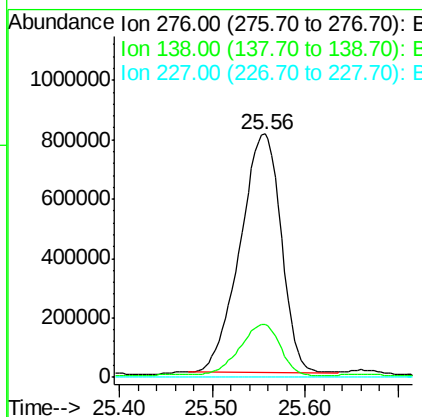
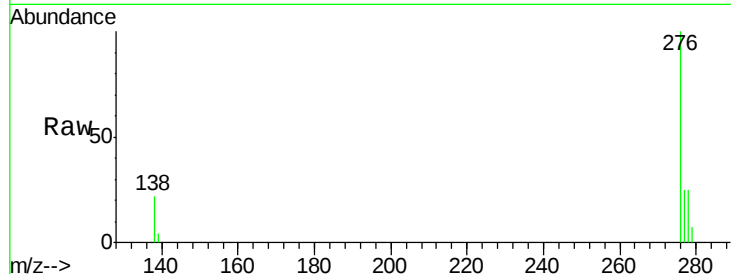
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 38.426 ng/ul
 RT: 25.56 min Scan# 4232
 Delta R.T. 0.05 min
 Lab File: BE096873.D
 Acq: 7 Jul 2018 3:26

Instrument :
 BNA_E
 ClientSampled :
 F1H07

Tgt Ion:276 Resp: 2462673
 Ion Ratio Lower Upper
 276 100
 138 21.2 28.0 42.0#
 227 0.0 8.0 12.0#

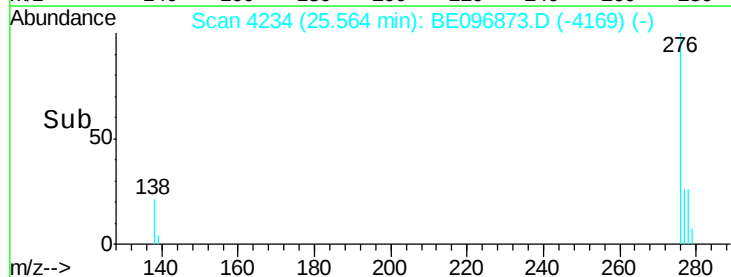
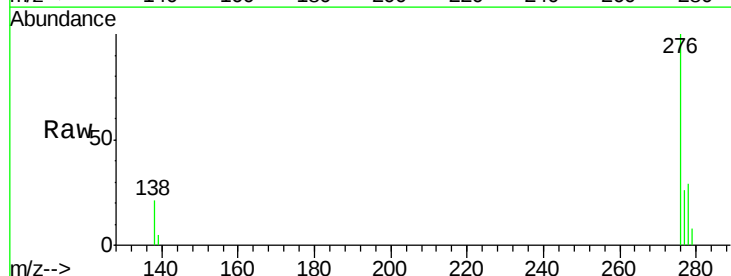
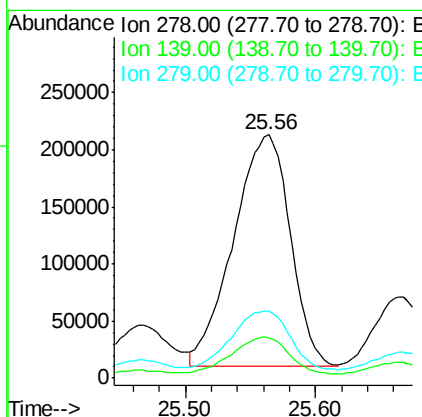
Manual Integrations
 APPROVED

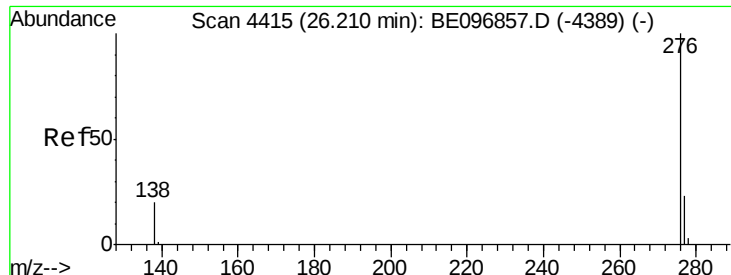
Sohil
 7/9/2018 4:14:18 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 12.051 ng/ul m
 RT: 25.56 min Scan# 4234
 Delta R.T. 0.03 min
 Lab File: BE096873.D
 Acq: 7 Jul 2018 3:26

Tgt Ion:278 Resp: 613546
 Ion Ratio Lower Upper
 278 100
 139 16.6 17.4 26.0#
 279 27.5 25.9 38.9





#26
 Benzo(g,h,i)perylene
 Concen: 33.553 ng/ul
 RT: 26.26 min Scan# 4430
 Delta R.T. 0.06 min
 Lab File: BE096873.D
 Acq: 7 Jul 2018 3:26

Instrument :
 BNA_E
 ClientSampleId :
 F1H07

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

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

