

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
 Data File : BN007005.D
 Acq On : 08 Aug 2019 02:41
 Operator : HP/JU
 Sample : K3962-11
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP04

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:15:40 AM

Quant Time: Aug 08 06:11:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 17:30:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	8059	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	31585	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	18779	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	42245m	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	27806m	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	29825m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	9541	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	24241m	0.18	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.27	128	35313	0.389	ng/ul	98
5) 2-Methylnaphthalene	11.90	142	29858	0.438	ng/ul	100
7) Acenaphthylene	13.83	152	26305	0.242	ng/ul#	97
8) Acenaphthene	14.18	153	62787	0.843	ng/ul	99
9) Fluorene	15.17	166	55058	0.610	ng/ul	99
12) Phenanthrene	16.90	178	1083671m	8.050	ng/ul	
13) Anthracene	16.99	178	214468m	1.557	ng/ul	
15) Fluoranthene	18.93	202	1396198m	8.343	ng/ul	
17) Pyrene	19.29	202	1893840	15.256	ng/ul	98
18) Benzo(a)anthracene	21.06	228	982578m	8.044	ng/ul	
19) Chrysene	21.11	228	1033052	9.031	ng/ul	98
21) Benzo(b)fluoranthene	22.58	252	860863m	7.120	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	265218m	2.263	ng/ul	
23) Benzo(a)pyrene	23.12	252	775269m	6.810	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.31	276	395371m	3.222	ng/ul	
25) Dibenzo(a,h)anthracene	25.31	278	125839m	1.284	ng/ul	
26) Benzo(g,h,i)perylene	25.94	276	434304m	4.219	ng/ul	

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

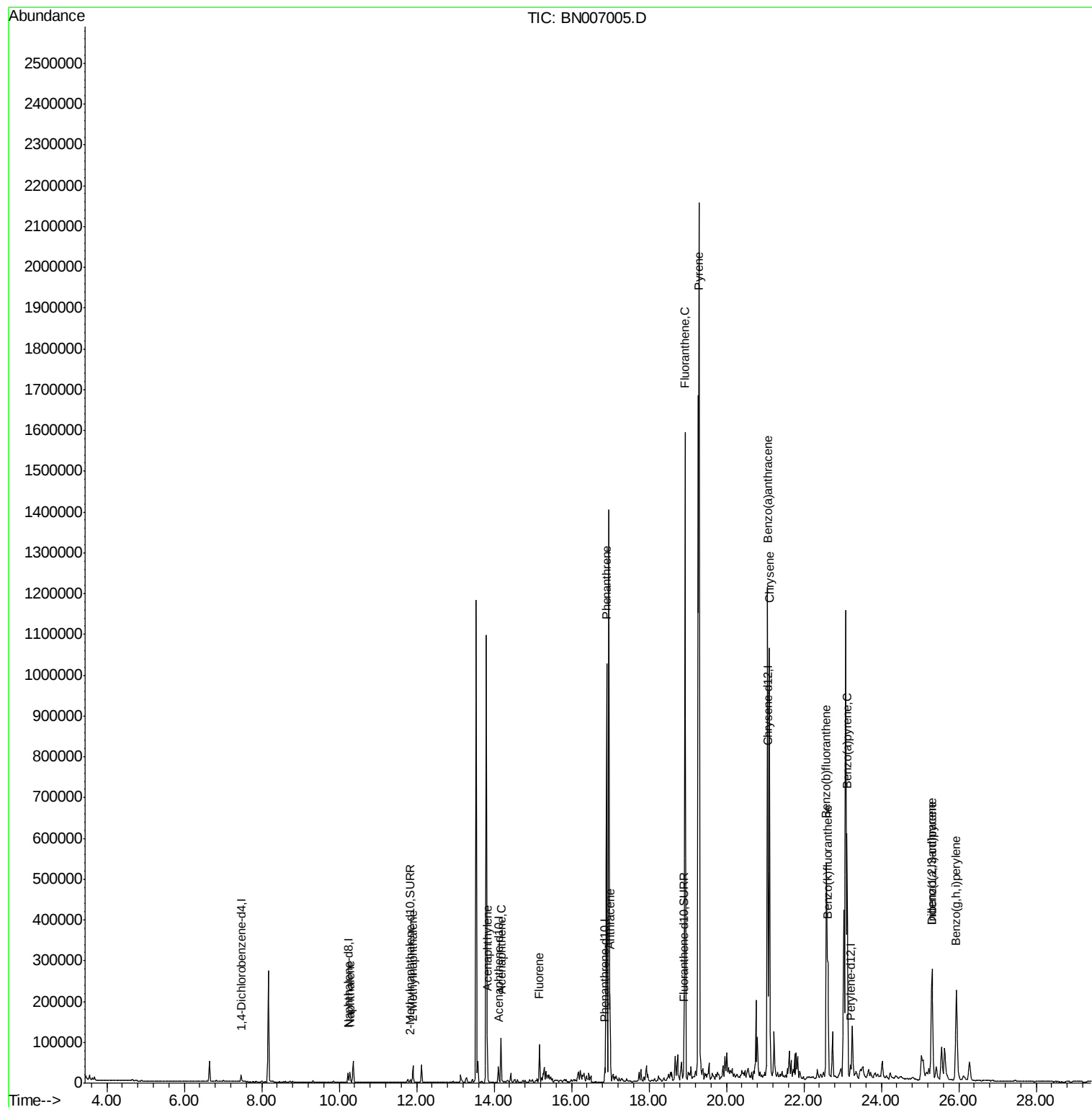
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN007005.D
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ALS Vial : 26 Sample Multiplier: 1

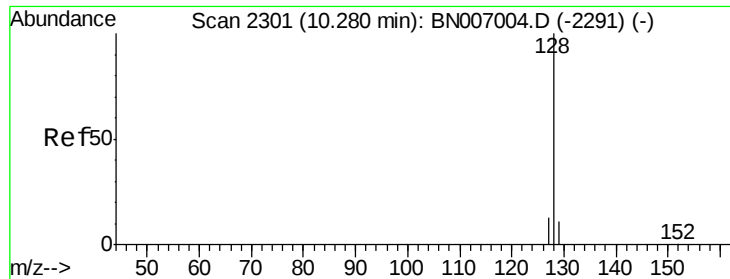
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#3

Naphthalene

Concen: 0.389 ng/u1

RT: 10.27 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

Instrument :

BNA_N

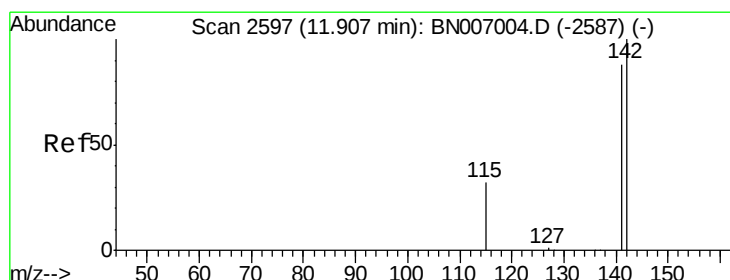
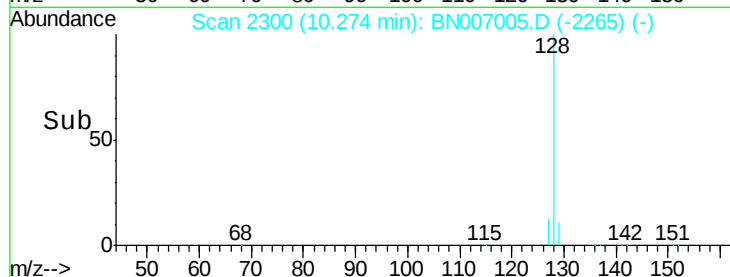
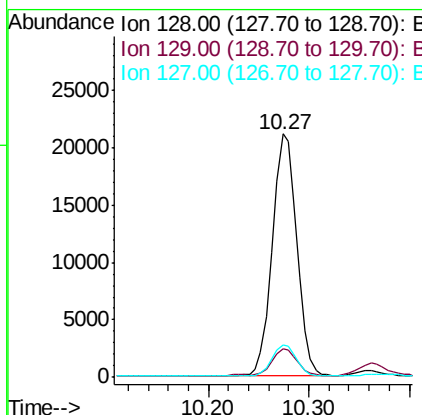
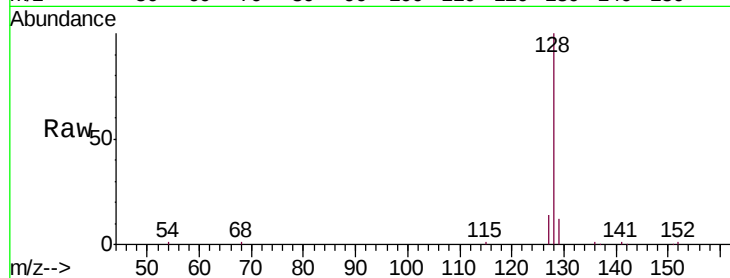
ClientSampleId :

BEP04

Tgt Ion:	128	Resp:	35313
Ion Ratio	Lower	Upper	
128	100		
129	11.6	10.0	15.0
127	13.5	11.7	17.5

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#5

2-Methylnaphthalene

Concen: 0.438 ng/u1

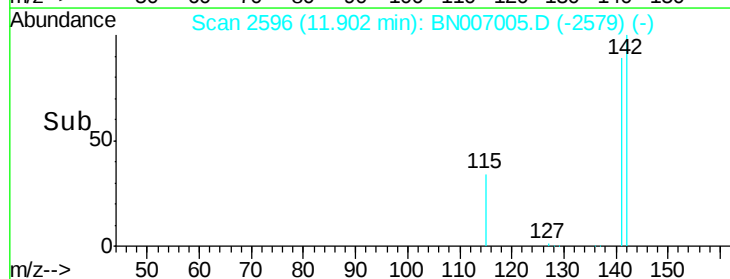
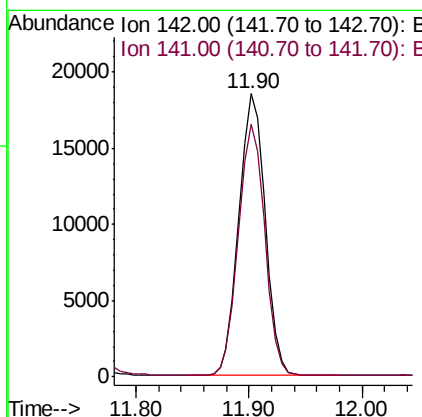
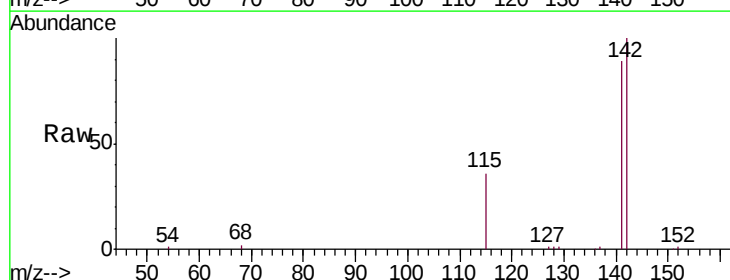
RT: 11.90 min Scan# 2596

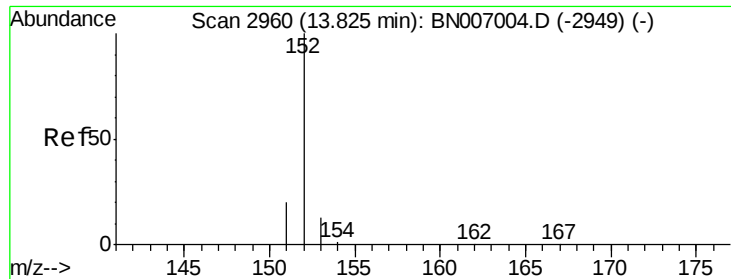
Delta R.T. -0.01 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

Tgt Ion:	142	Resp:	29858
Ion Ratio	Lower	Upper	
142	100		
141	88.9	71.0	106.6





#7

Acenaphthylene

Concen: 0.242 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

Instrument :

BNA_N

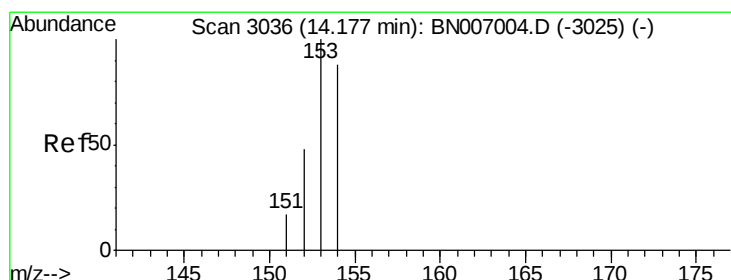
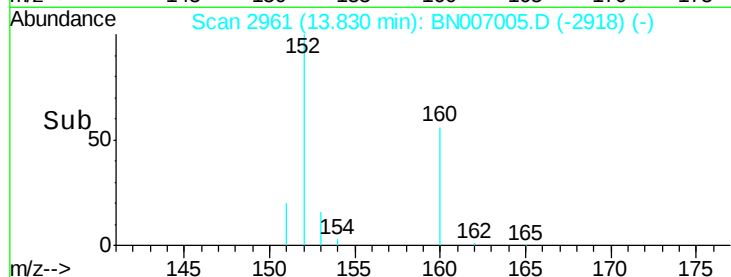
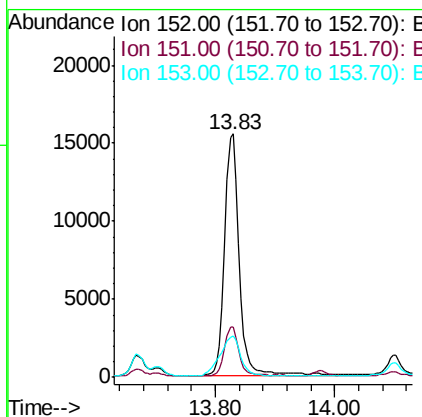
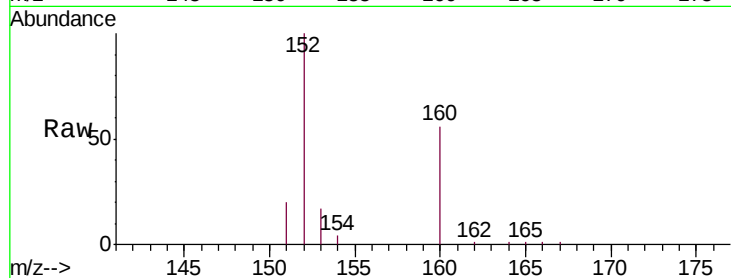
ClientSampleId :

BEP04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	16.9	11.0	16.4

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#8

Acenaphthene

Concen: 0.843 ng/ul

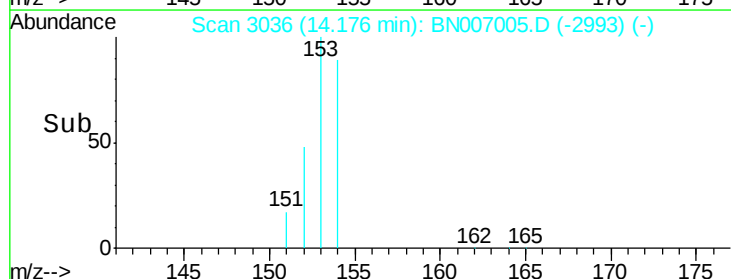
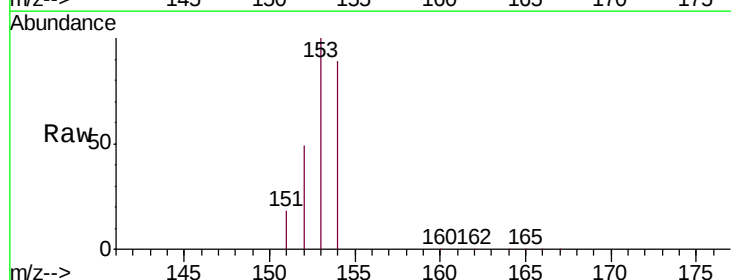
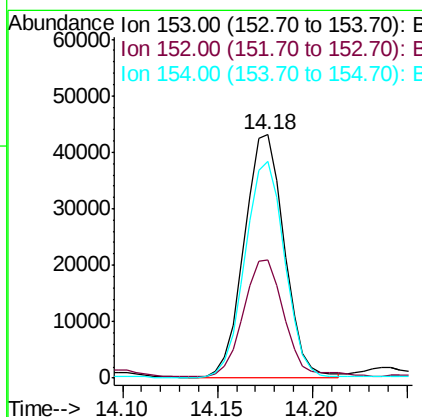
RT: 14.18 min Scan# 3036

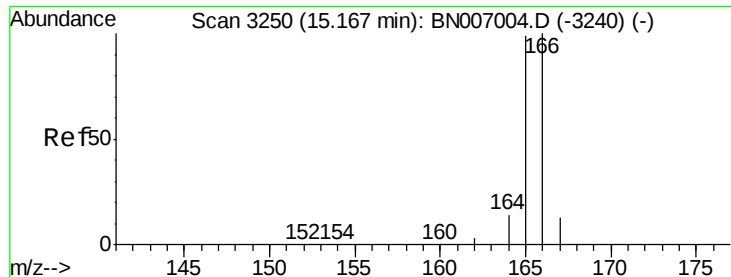
Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.5	39.4	59.2
154	89.1	70.1	105.1





#9

Fluorene

Concen: 0.610 ng/ul

RT: 15.17 min Scan# 3250

Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

Instrument :

BNA_N

ClientSampled :

BEP04

Tgt Ion:166 Resp: 55058

Ion Ratio Lower Upper

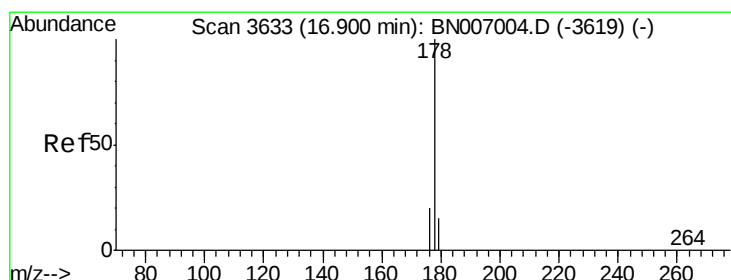
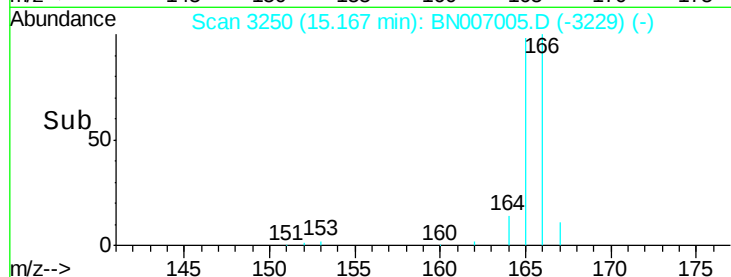
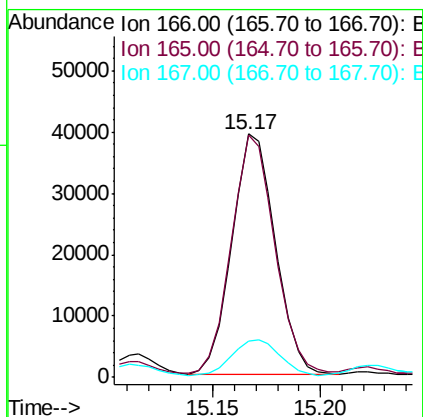
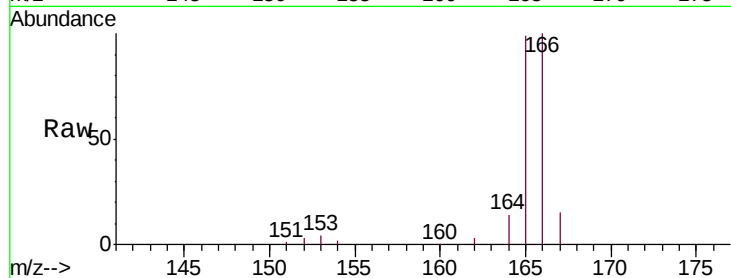
166 100

165 99.3 78.8 118.2

167 15.1 11.3 16.9

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#12

Phenanthrene

Concen: 8.050 ng/ul m

RT: 16.90 min Scan# 3634

Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

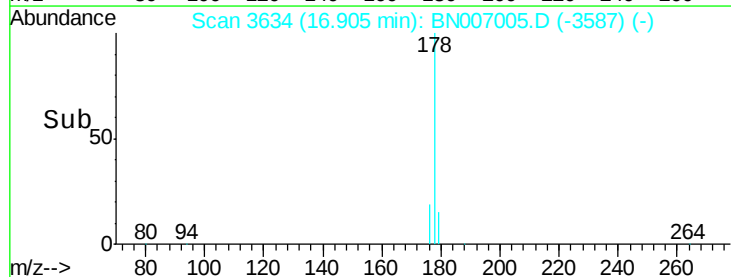
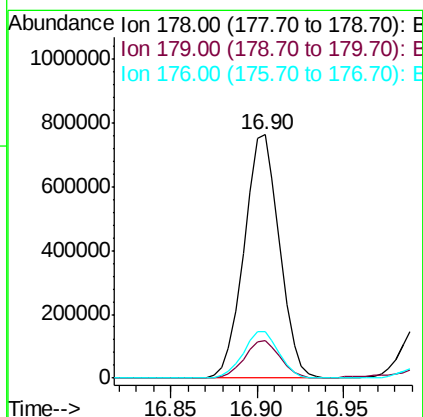
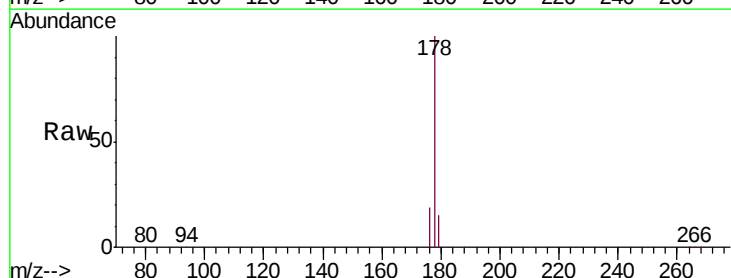
Tgt Ion:178 Resp: 1083671

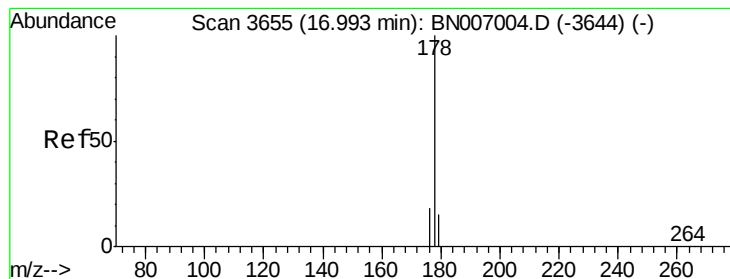
Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

176 19.2 15.6 23.4





#13

Anthracene

Concen: 1.557 ng/ul m

RT: 16.99 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

Instrument :

BNA_N

ClientSampleId :

BEP04

Tgt Ion:178 Resp: 214468

Ion Ratio Lower Upper

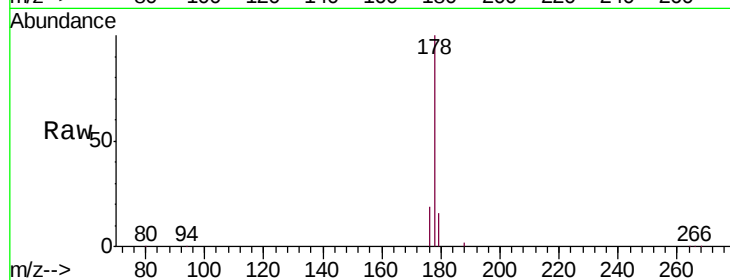
178 100

179 15.8 12.6 18.8

176 18.7 15.4 23.0

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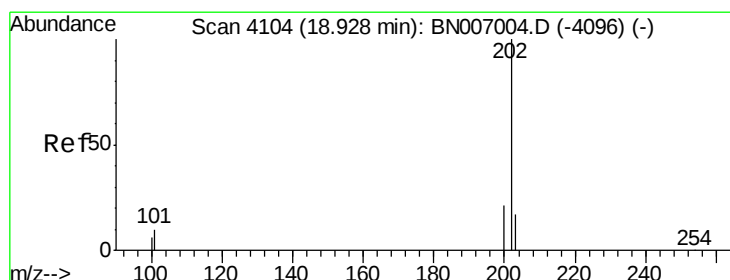
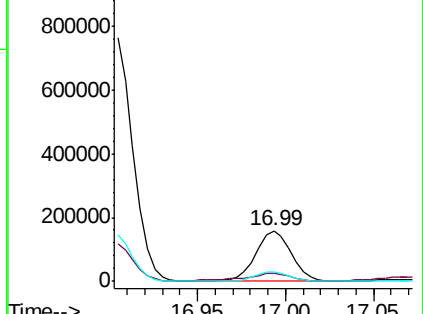
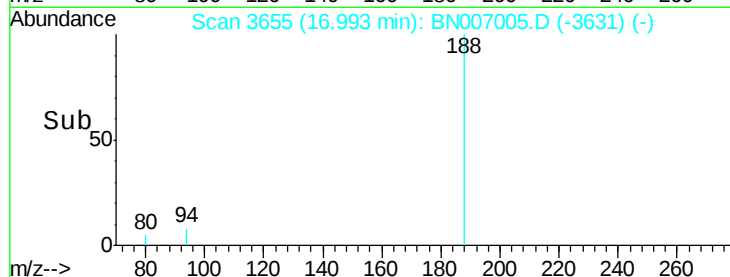
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 8.343 ng/ul m

RT: 18.93 min Scan# 4105

Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

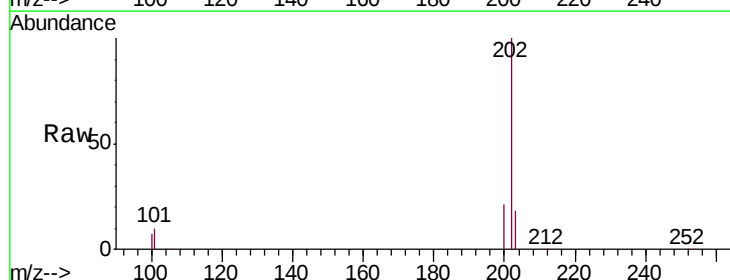
Tgt Ion:202 Resp: 1396198

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.0

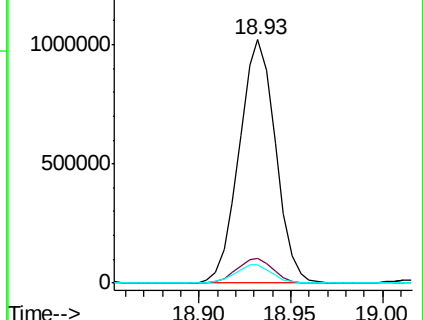
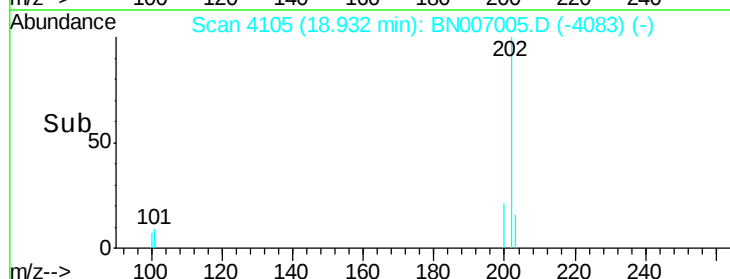
100 7.3 0.0 27.7

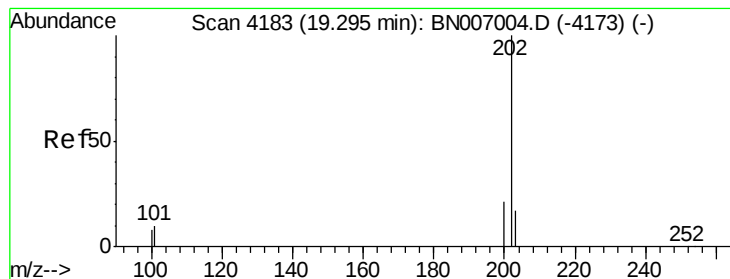


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 15.256 ng/ul

RT: 19.29 min Scan# 4183

Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

Instrument :

BNA_N

ClientSampleId :

BEP04

Tgt Ion:202 Resp: 1893840

Ion Ratio Lower Upper

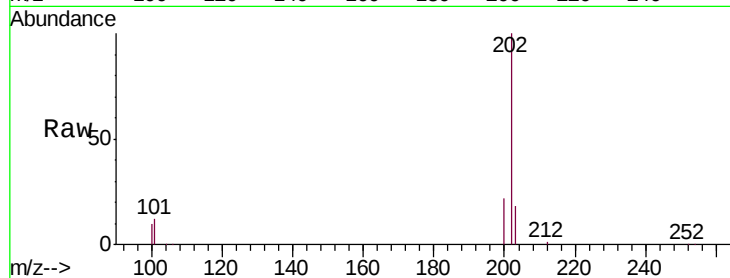
202 100

101 12.3 9.3 13.9

100 9.8 7.3 10.9

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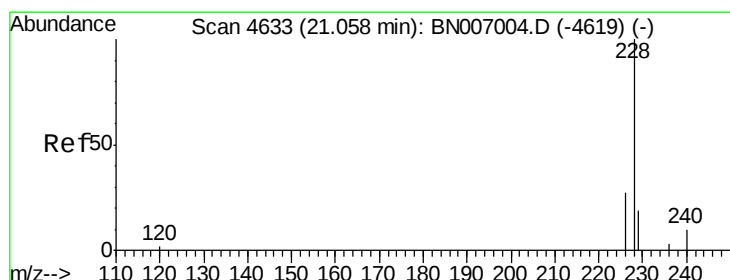
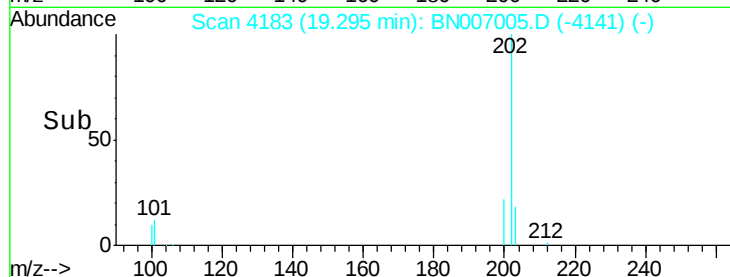
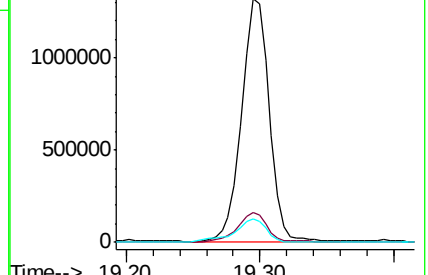
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18

Benzo(a)anthracene

Concen: 8.044 ng/ul m

RT: 21.06 min Scan# 4634

Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

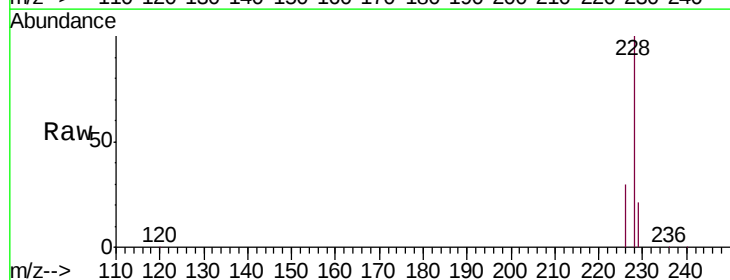
Tgt Ion:228 Resp: 982578

Ion Ratio Lower Upper

228 100

229 20.8 15.9 23.9

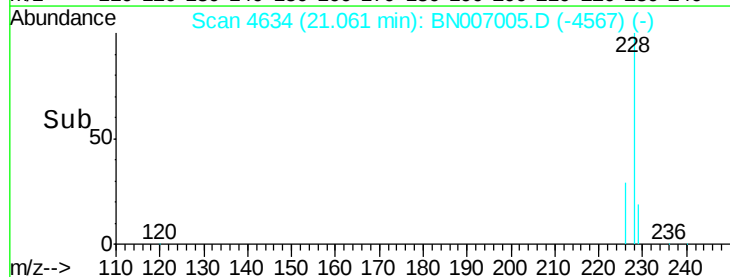
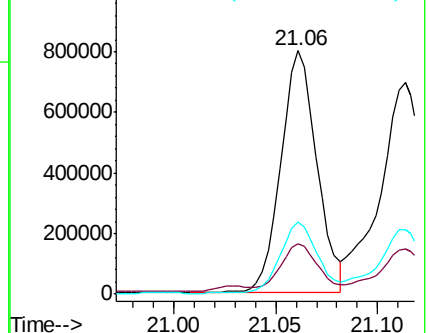
226 29.5 22.2 33.4

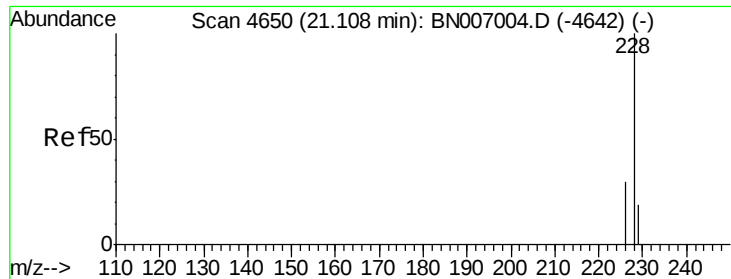


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 9.031 ng/ul

RT: 21.11 min Scan# 4652

Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

Instrument :

BNA_N

ClientSampled :

BEP04

Tgt Ion:228 Resp: 1033052

Ion Ratio Lower Upper

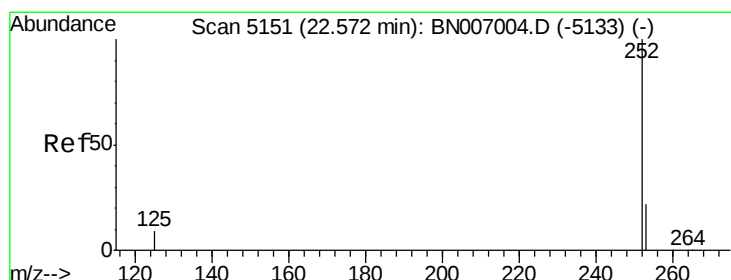
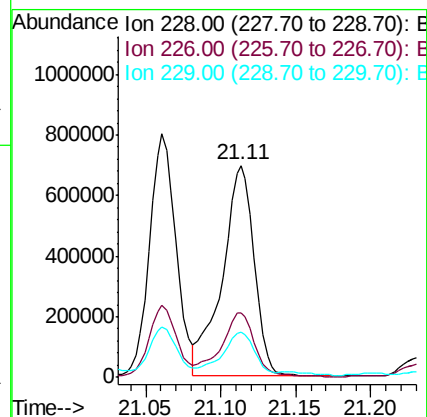
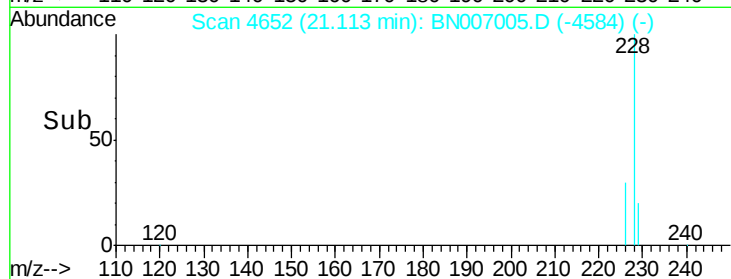
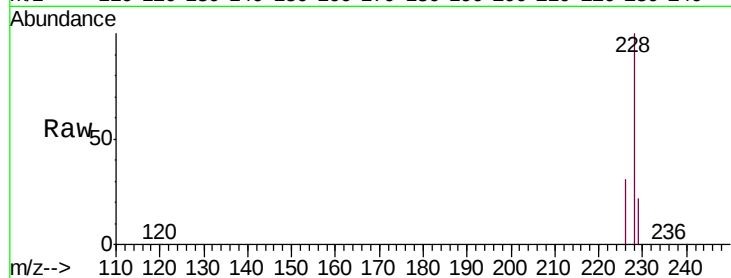
228 100

226 30.6 24.7 37.1

229 21.6 15.5 23.3

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#21

Benzo(b)fluoranthene

Concen: 7.120 ng/ul m

RT: 22.58 min Scan# 5154

Delta R.T. -0.00 min

Lab File: BN007005.D

Acq: 08 Aug 2019 02:41

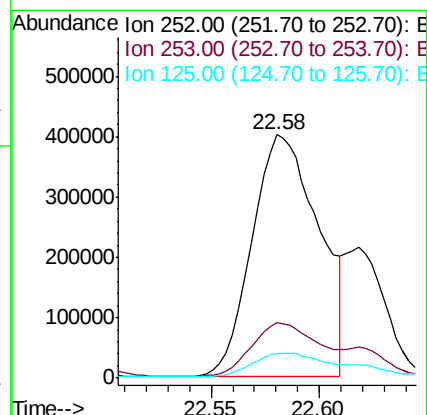
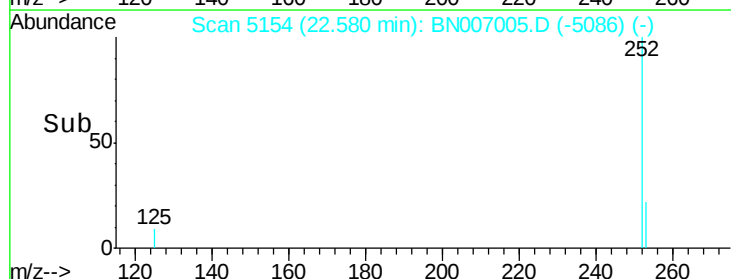
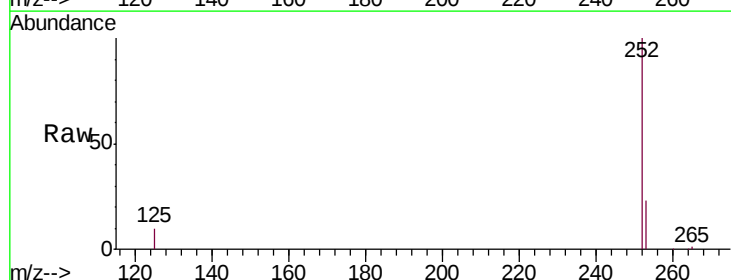
Tgt Ion:252 Resp: 860863

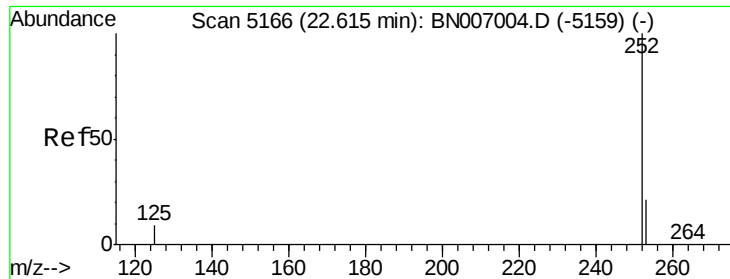
Ion Ratio Lower Upper

252 100

253 22.8 0.0 45.2

125 10.2 0.0 22.2





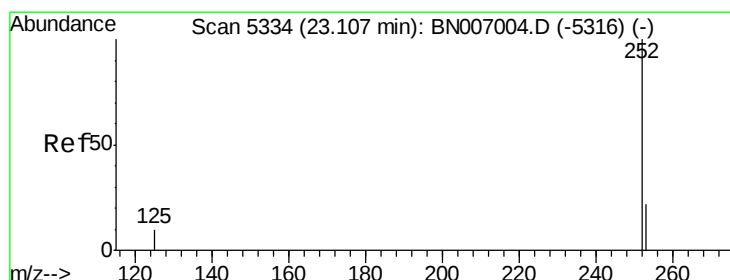
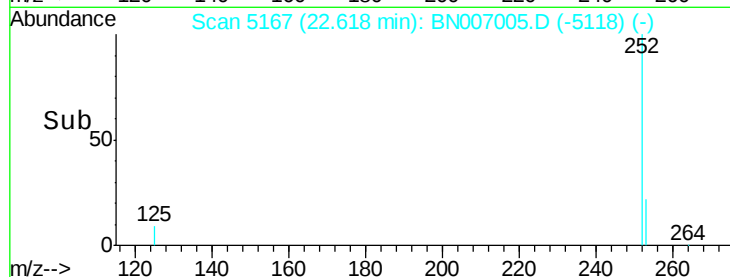
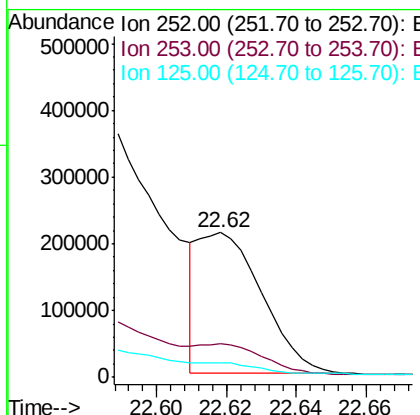
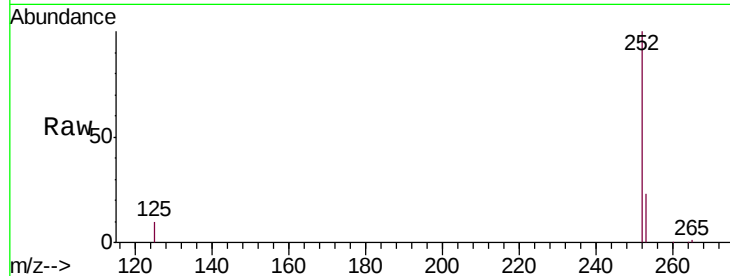
#22
Benzo(k)fluoranthene
Concen: 2.263 ng/ul m
RT: 22.62 min Scan# 5167
Delta R.T. -0.01 min
Lab File: BN007005.D
Acq: 08 Aug 2019 02:41

Instrument :
BNA_N
ClientSampleId :
BEP04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	265218		
253	23.4	18.6	28.0	
125	10.1	8.7	13.1	

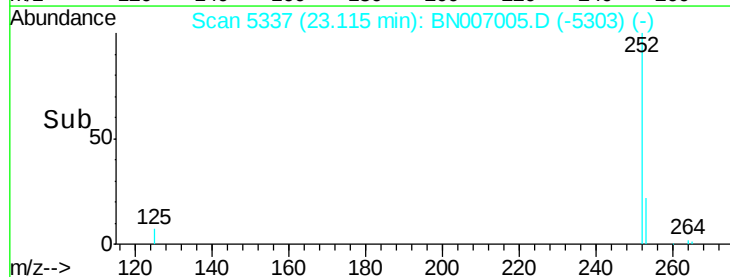
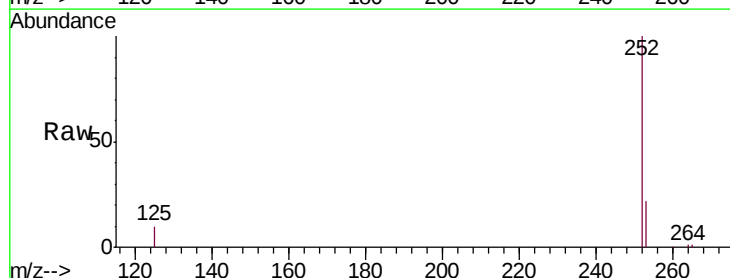
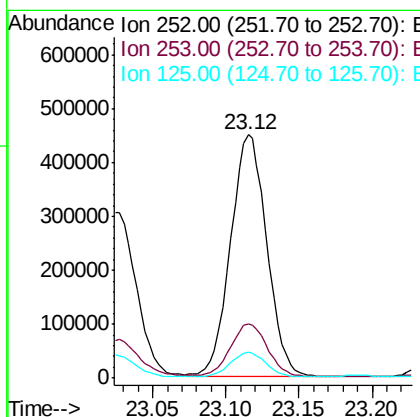
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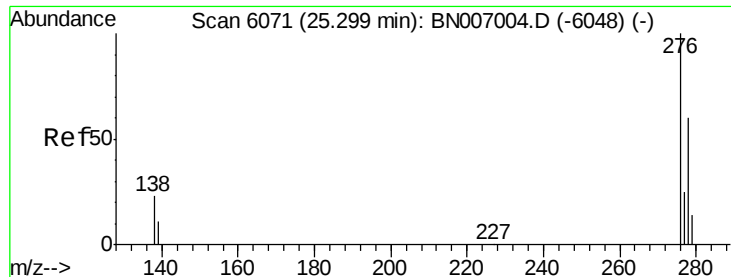
mohammad
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#23
Benzo(a)pyrene
Concen: 6.810 ng/ul m
RT: 23.12 min Scan# 5337
Delta R.T. -0.00 min
Lab File: BN007005.D
Acq: 08 Aug 2019 02:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	775269		
253	22.4	18.0	27.0	
125	10.5	10.0	15.0	





#24

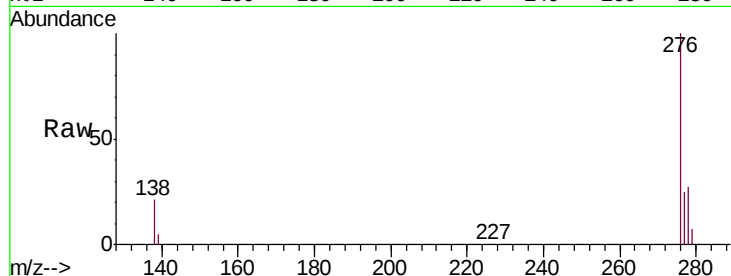
Indeno(1,2,3-cd)pyrene
Concen: 3.222 ng/ul m
RT: 25.31 min Scan# 6073
Delta R.T. -0.00 min
Lab File: BN007005.D
Acq: 08 Aug 2019 02:41

Instrument :
BNA_N
ClientSampleId :
BEP04

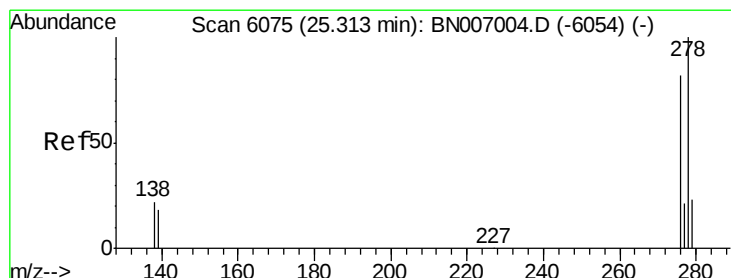
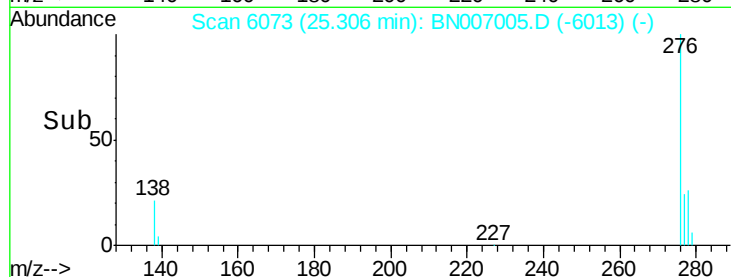
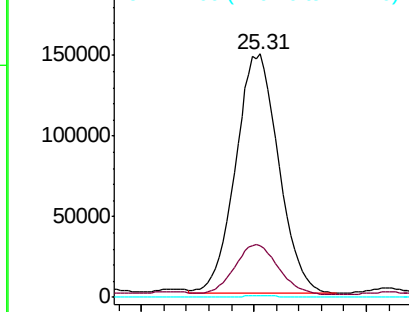
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	1.5	19.9	29.9#
227	0.0	0.2	0.4#

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

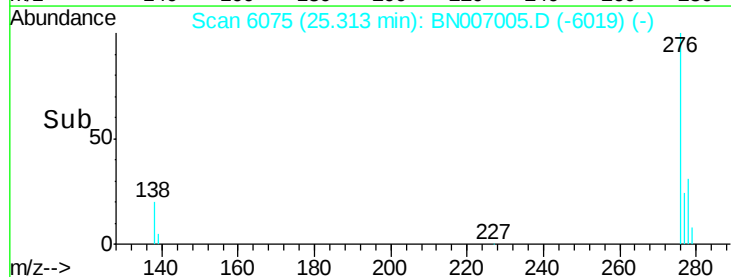
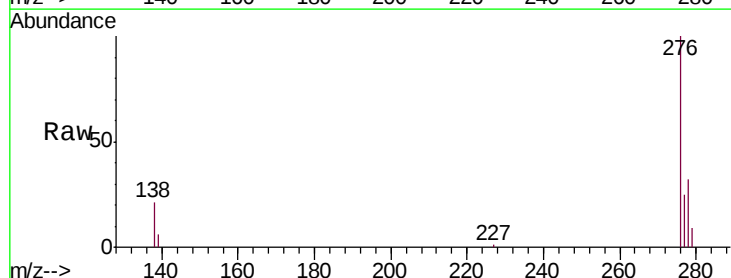
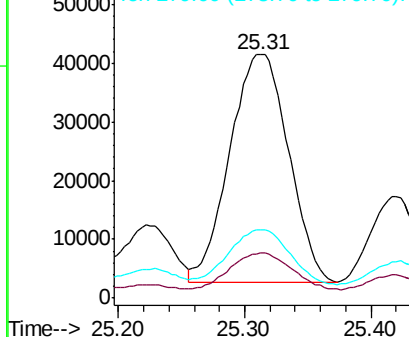


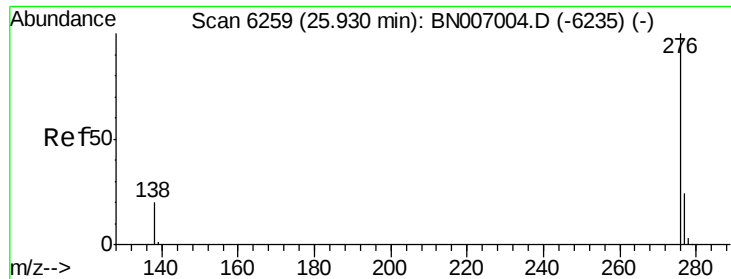
#25

Dibenzo(a,h)anthracene
Concen: 1.284 ng/ul m
RT: 25.31 min Scan# 6075
Delta R.T. -0.01 min
Lab File: BN007005.D
Acq: 08 Aug 2019 02:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	18.7	14.3	21.5
279	28.0	19.6	29.4

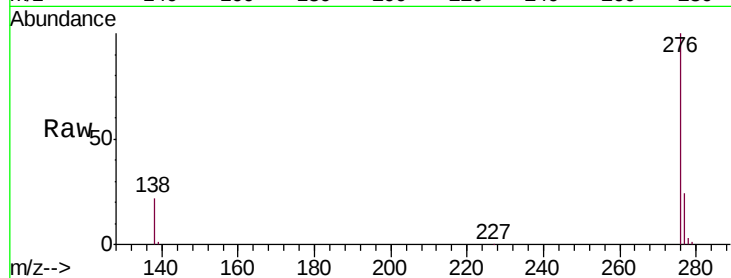
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26
Benzo(g,h,i)perylene
Concen: 4.219 ng/ul m
RT: 25.94 min Scan# 6261
Delta R.T. -0.00 min
Lab File: BN007005.D
Acq: 08 Aug 2019 02:41

Instrument :
BNA_N
ClientSampleId :
BEP04



Tgt Ion:	276	Resp:	434304
Ion Ratio	Lower	Upper	
276	100		
138	21.5	18.7	28.1
277	24.1	19.3	28.9

Manual Integrations
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