

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
 Data File : BN007006.D
 Acq On : 08 Aug 2019 03:17
 Operator : HP/JU
 Sample : K3962-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP03

Manual Integrations
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mohammad
 8/9/2019 6:15:43 AM

Quant Time: Aug 08 08:13:39 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	8213	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	33262	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	20490	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	51439m	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	36628m	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	31673m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	11446	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	33520m	0.20	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.28	128	28373	0.296	ng/ul	98
5) 2-Methylnaphthalene	11.90	142	21006	0.292	ng/ul	100
7) Acenaphthylene	13.83	152	43951	0.370	ng/ul	98
8) Acenaphthene	14.18	153	52055	0.641	ng/ul	98
9) Fluorene	15.17	166	48706	0.495	ng/ul	98
11) Pentachlorophenol	16.52	266	684m	0.048	ng/ul	
12) Phenanthrene	16.90	178	1125975m	6.869	ng/ul	
13) Anthracene	16.99	178	251218m	1.498	ng/ul	
15) Fluoranthene	18.93	202	2052683m	10.074	ng/ul	
17) Pyrene	19.30	202	2681656	16.399	ng/ul	100
18) Benzo(a)anthracene	21.06	228	1432101m	8.901	ng/ul	
19) Chrysene	21.11	228	1488890	9.881	ng/ul	98
21) Benzo(b)fluoranthene	22.58	252	1200655m	9.350	ng/ul	
22) Benzo(k)fluoranthene	22.61	252	382944m	3.077	ng/ul	
23) Benzo(a)pyrene	23.11	252	994553m	8.226	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.30	276	498753m	3.827	ng/ul	
25) Dibenzo(a,h)anthracene	25.31	278	150627m	1.447	ng/ul	
26) Benzo(g,h,i)perylene	25.94	276	531911m	4.866	ng/ul	

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

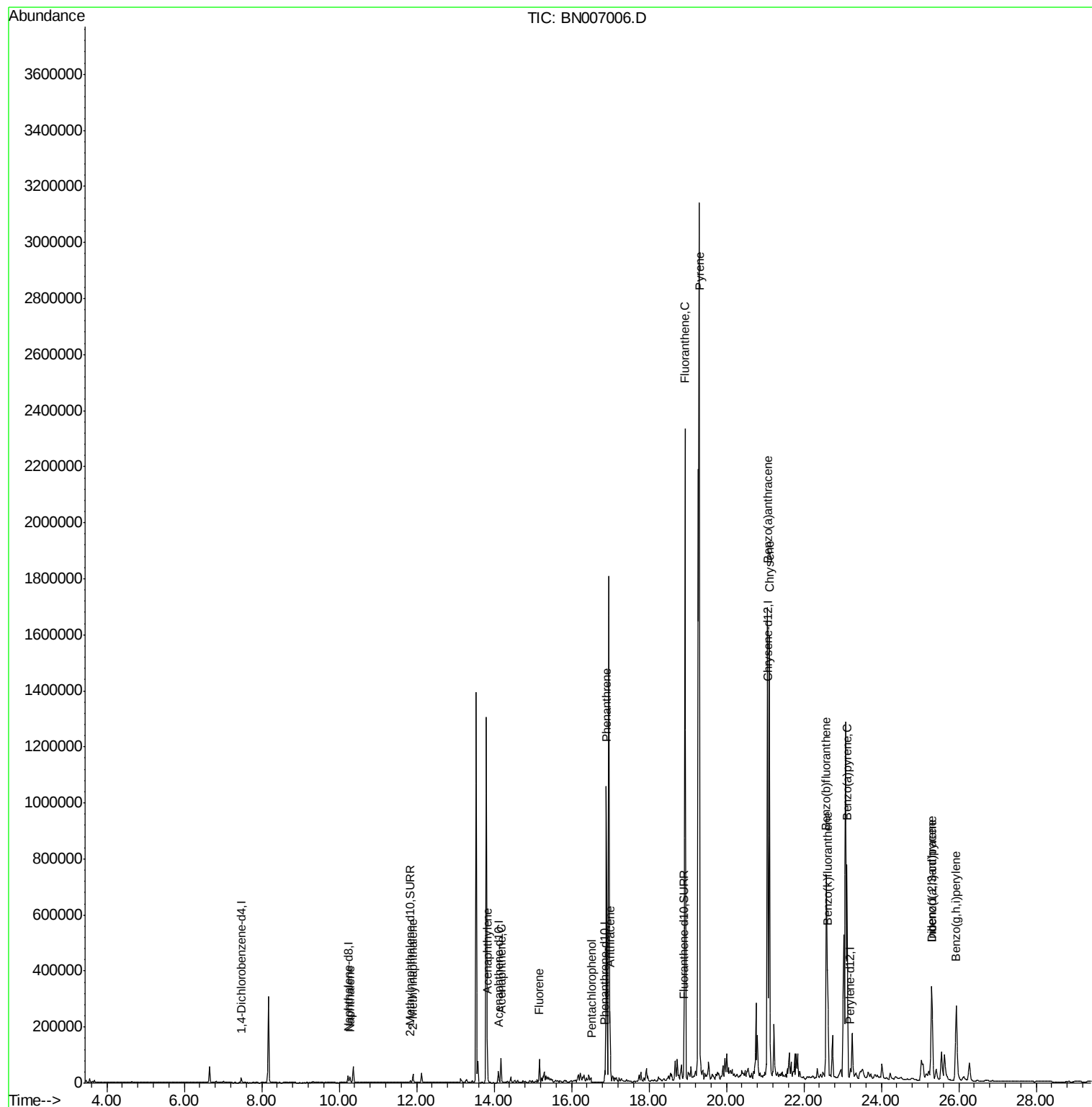
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN007006.D
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ALS Vial : 27 Sample Multiplier: 1

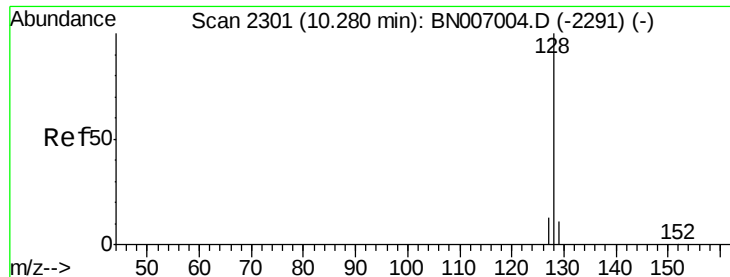
Instrument :
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Quant Time: Aug 08 08:13:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
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#3

Naphthalene

Concen: 0.296 ng/u1

RT: 10.28 min Scan# 2301

Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

Instrument :

BNA_N

ClientSampleId :

BEP03

Tgt Ion:128 Resp: 28373

Ion Ratio Lower Upper

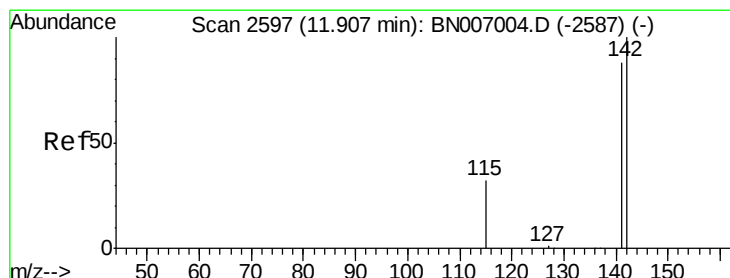
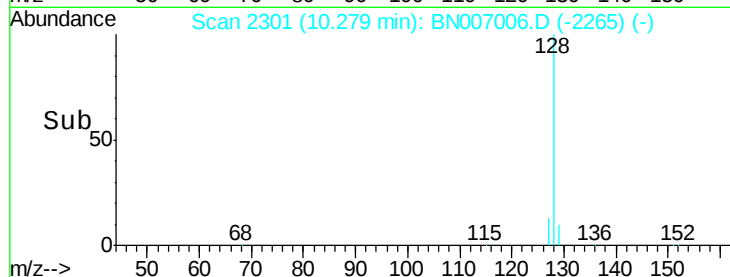
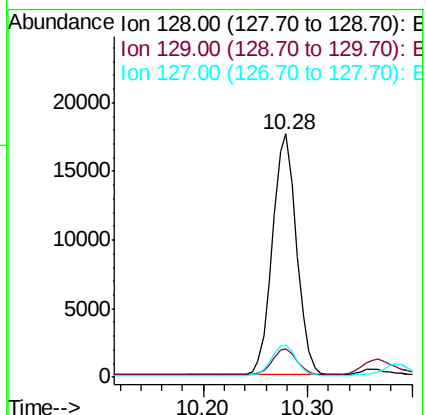
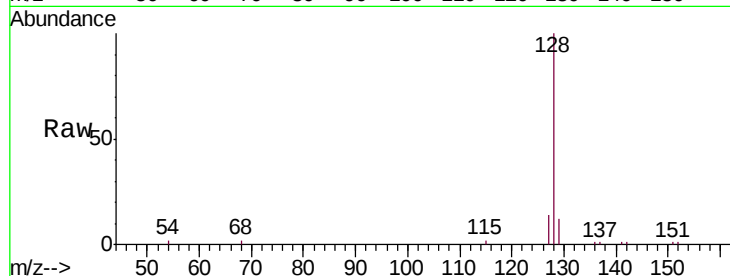
128 100

129 11.6 10.0 15.0

127 13.5 11.7 17.5

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#5

2-Methylnaphthalene

Concen: 0.292 ng/u1

RT: 11.90 min Scan# 2596

Delta R.T. -0.01 min

Lab File: BN007006.D

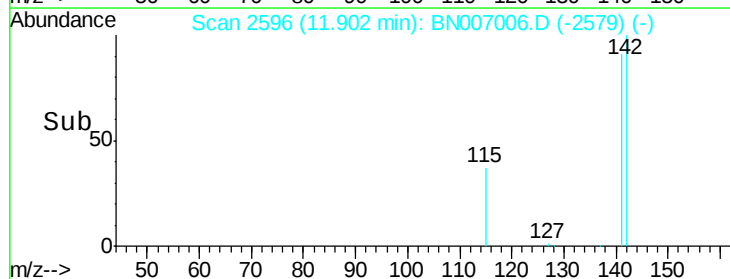
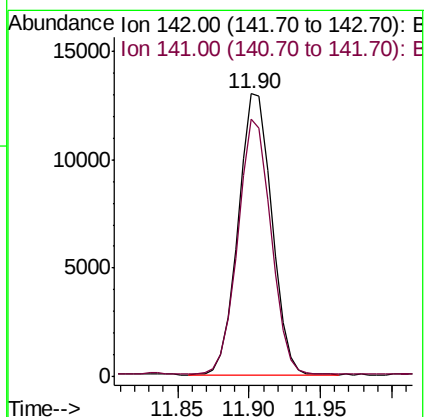
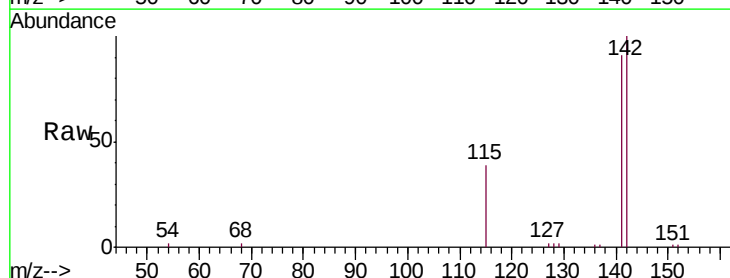
Acq: 08 Aug 2019 03:17

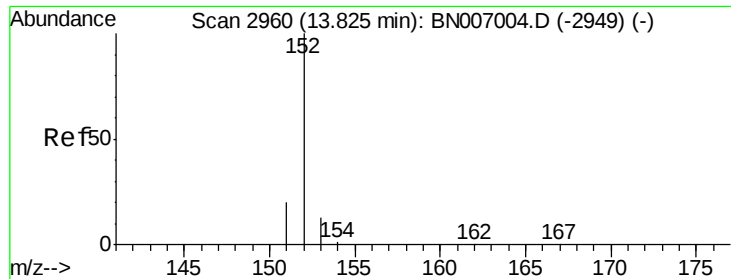
Tgt Ion:142 Resp: 21006

Ion Ratio Lower Upper

142 100

141 89.2 71.0 106.6





#7

Acenaphthylene

Concen: 0.370 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007006.D

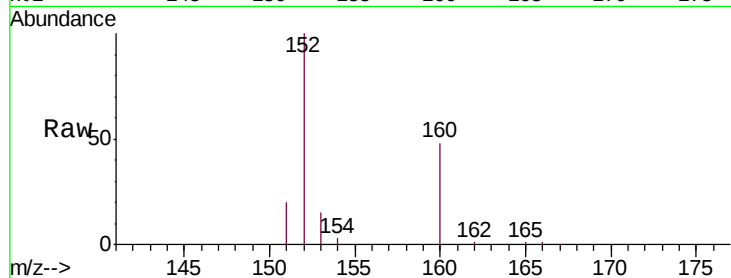
Acq: 08 Aug 2019 03:17

Instrument :

BNA_N

ClientSampleId :

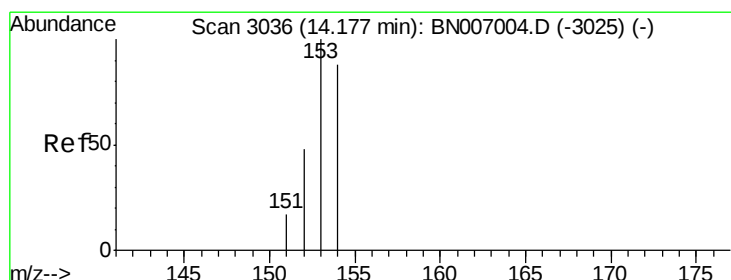
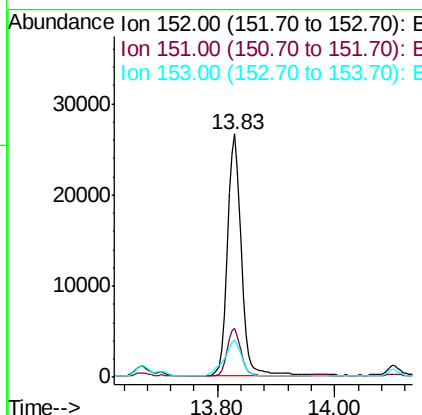
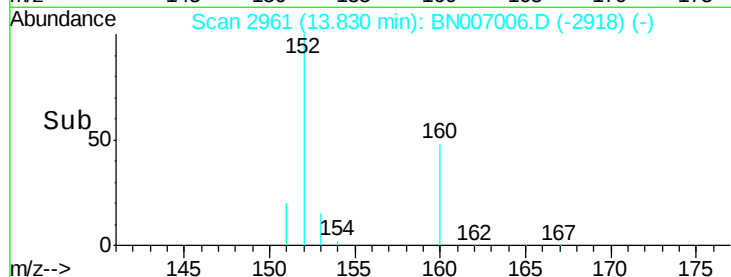
BEP03



Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	15.3	11.0	16.4

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#8

Acenaphthene

Concen: 0.641 ng/ul

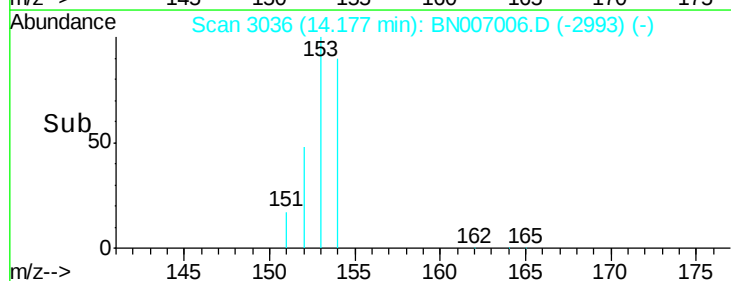
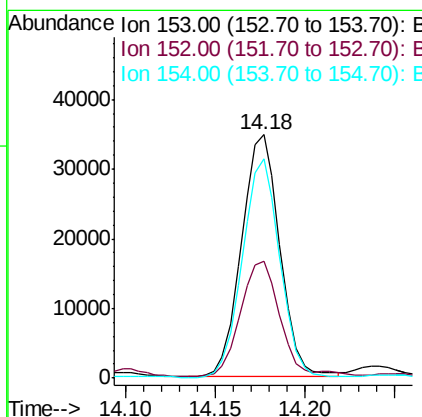
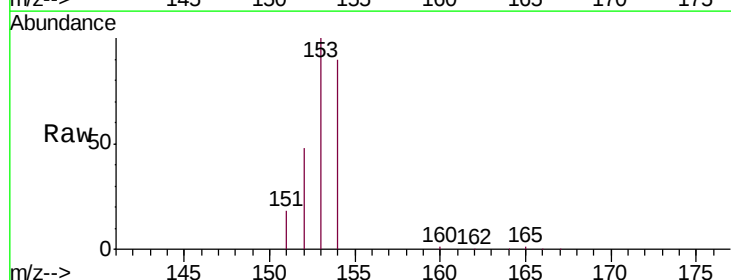
RT: 14.18 min Scan# 3036

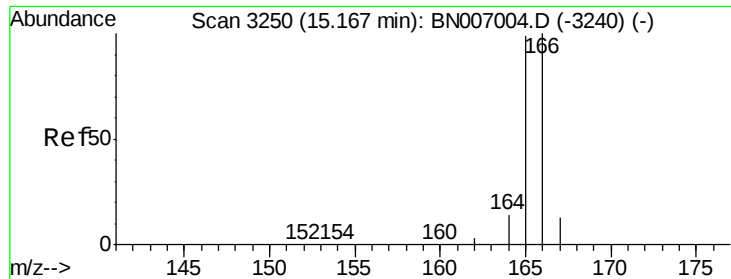
Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.2	39.4	59.2
154	89.9	70.1	105.1





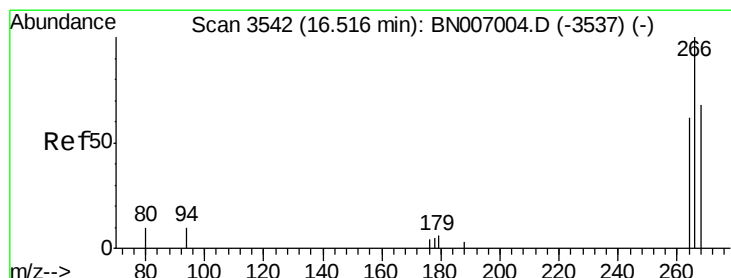
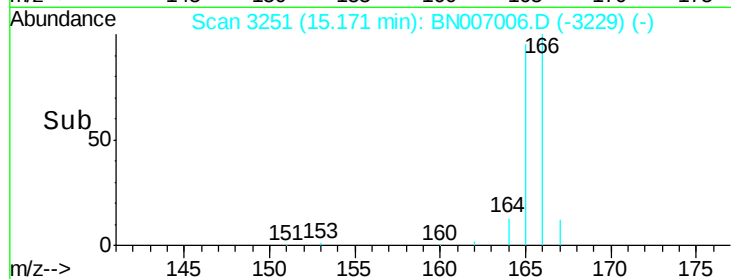
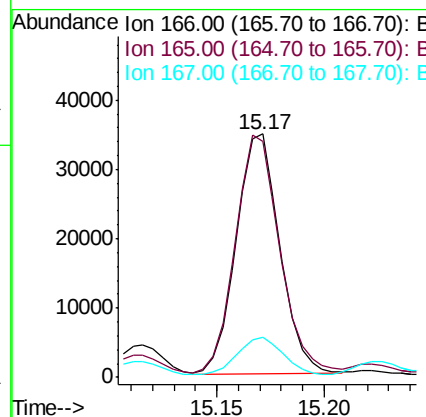
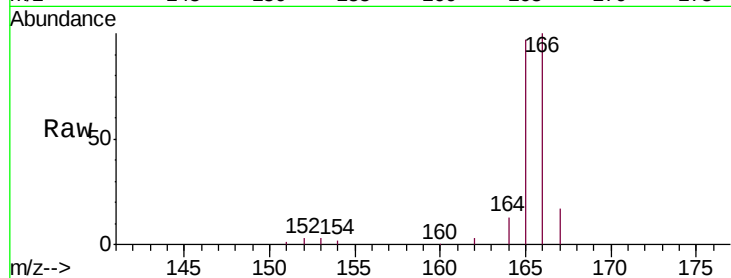
#9
Fluorene
 Concen: 0.495 ng/ul
 RT: 15.17 min Scan# 3251
 Delta R.T. -0.00 min
 Lab File: BN007006.D
 Acq: 08 Aug 2019 03:17

Instrument :
 BNA_N
 ClientSampleId :
 BEP03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	16.5	11.3	16.9

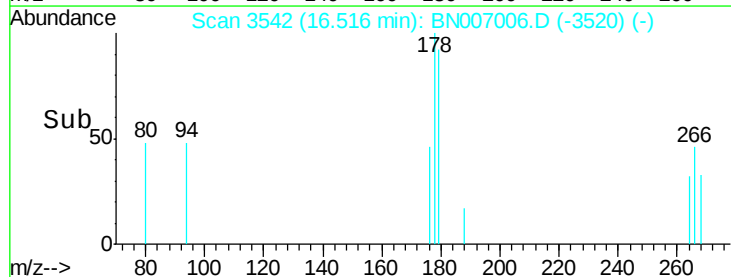
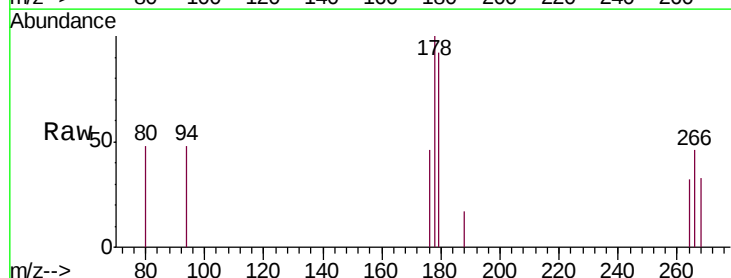
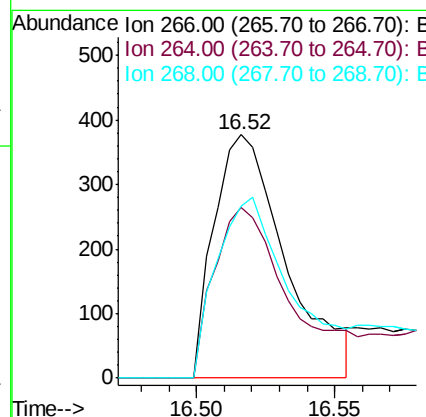
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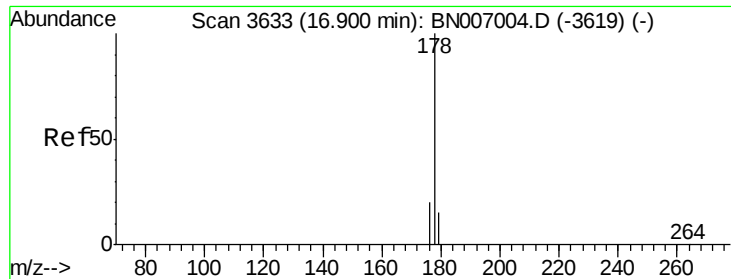
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#11
Pentachlorophenol
 Concen: 0.048 ng/ul m
 RT: 16.52 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: BN007006.D
 Acq: 08 Aug 2019 03:17

Tgt Ion	Ratio	Lower	Upper
266	100		
264	0.0	55.7	83.5#
268	0.0	75.2	112.8#





#12

Phenanthrene

Concen: 6.869 ng/ul m

RT: 16.90 min Scan# 3633

Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

Instrument :

BNA_N

ClientSampleId :

BEP03

Tgt Ion:178 Resp: 1125975

Ion Ratio Lower Upper

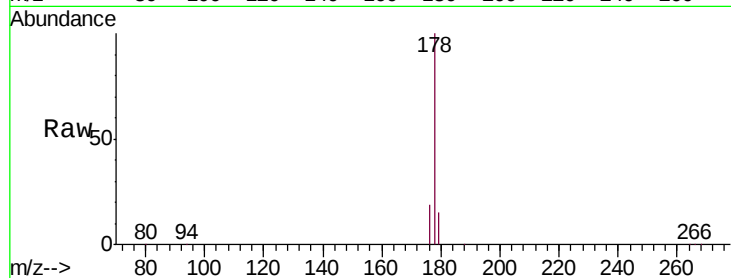
178 100

179 15.3 12.5 18.7

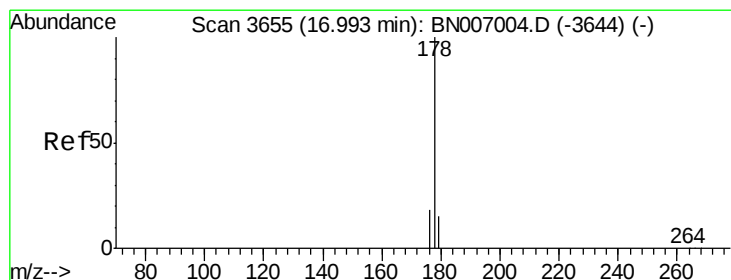
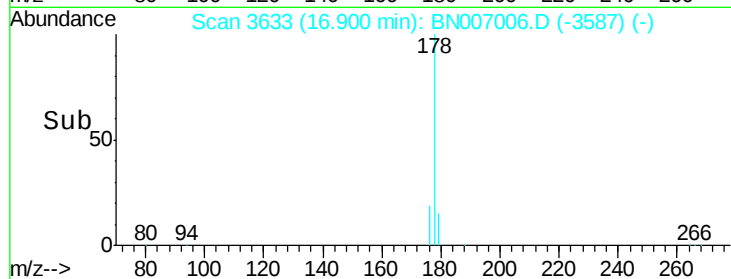
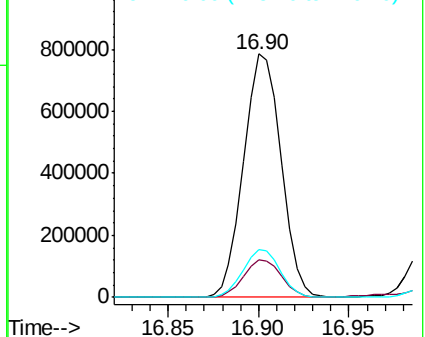
176 19.4 15.6 23.4

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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



#13

Anthracene

Concen: 1.498 ng/ul m

RT: 16.99 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

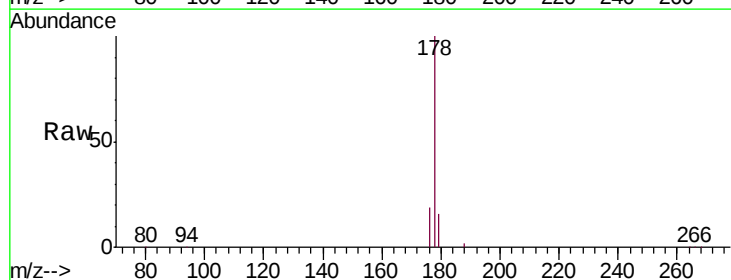
Tgt Ion:178 Resp: 251218

Ion Ratio Lower Upper

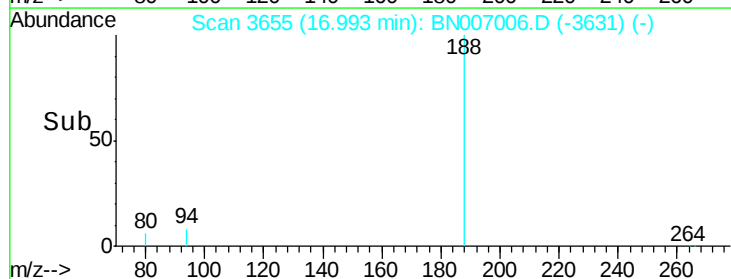
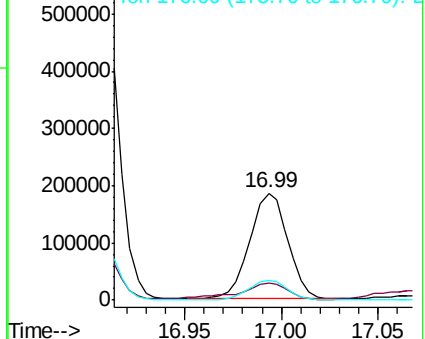
178 100

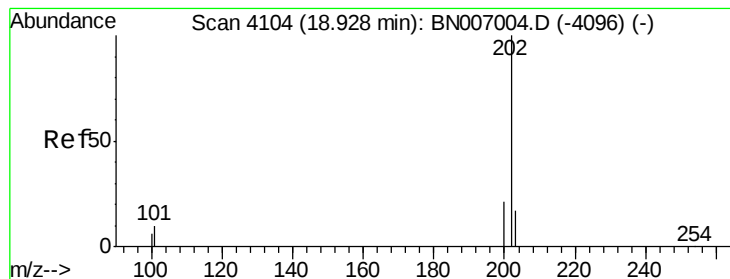
179 15.9 12.6 18.8

176 18.7 15.4 23.0



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: 10.074 ng/ul m

RT: 18.93 min Scan# 4105

Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

Instrument :

BNA_N

ClientSampleId :

BEP03

Tgt Ion:202 Resp: 2052683

Ion Ratio Lower Upper

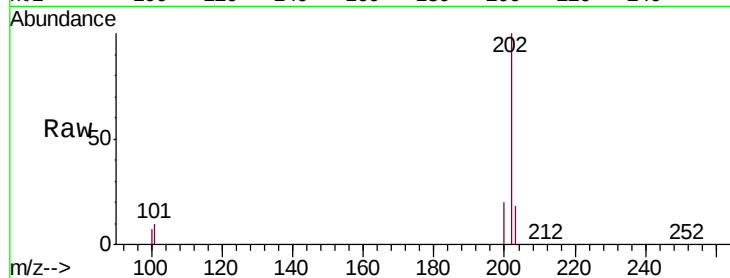
202 100

101 10.1 0.0 30.0

100 7.4 0.0 27.7

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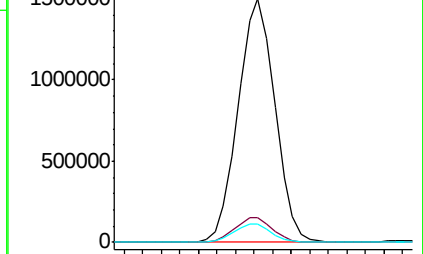
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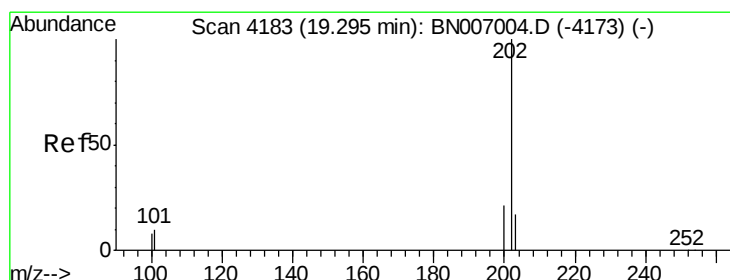
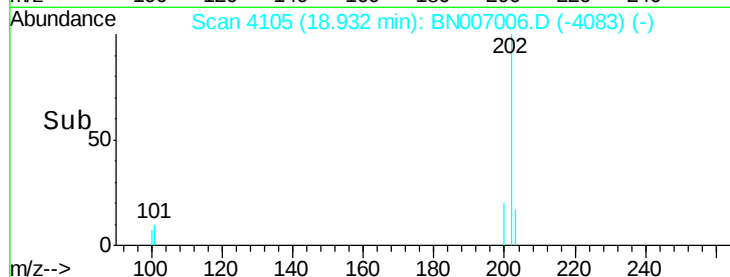
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#17

Pyrene

Concen: 16.399 ng/ul

RT: 19.30 min Scan# 4184

Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

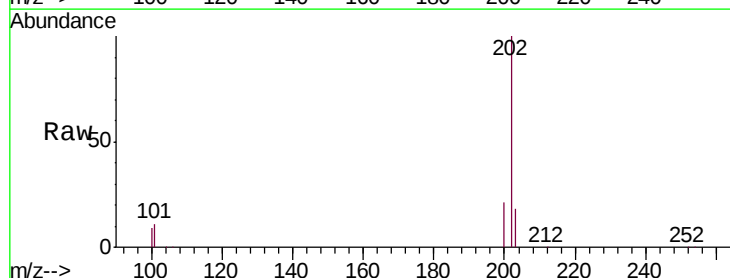
Tgt Ion:202 Resp: 2681656

Ion Ratio Lower Upper

202 100

101 11.5 9.3 13.9

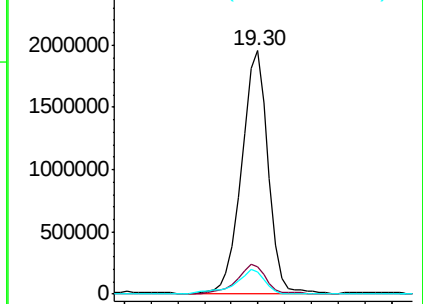
100 9.1 7.3 10.9



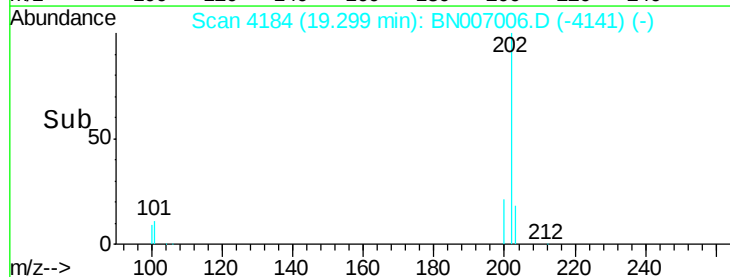
Abundance Ion 202.00 (201.70 to 202.70): E

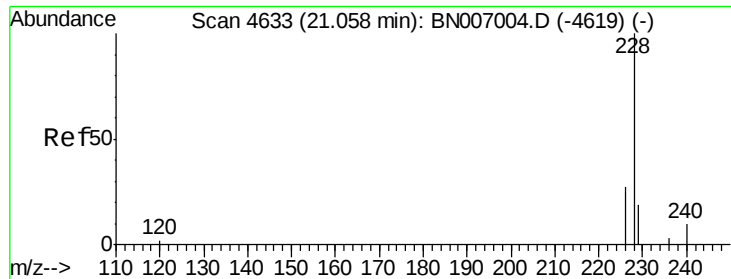
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#18

Benzo(a)anthracene

Concen: 8.901 ng/ul m

RT: 21.06 min Scan# 4634

Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

Instrument :

BNA_N

ClientSampled :

BEP03

Tgt Ion:228 Resp: 1432101

Ion Ratio Lower Upper

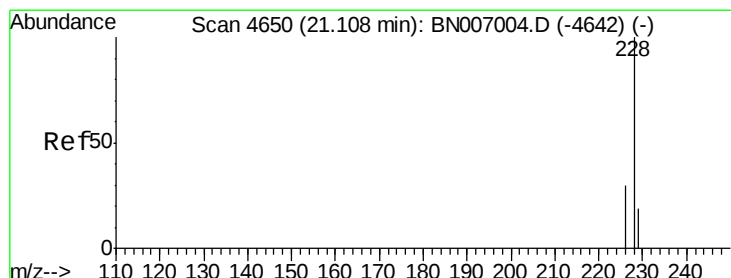
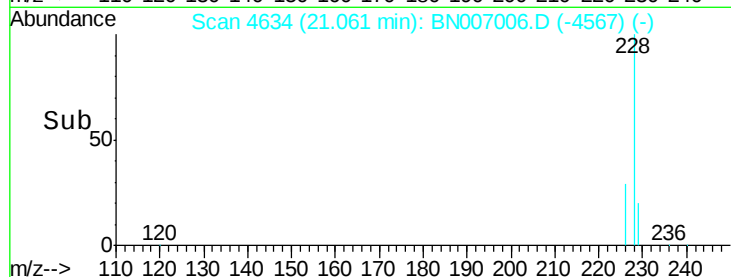
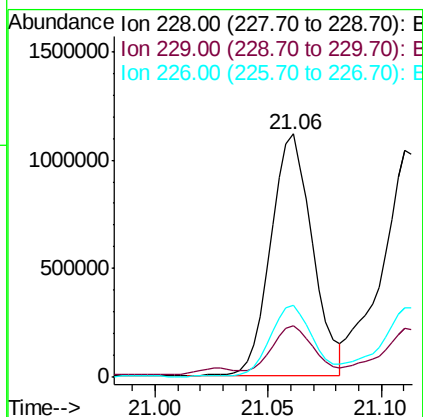
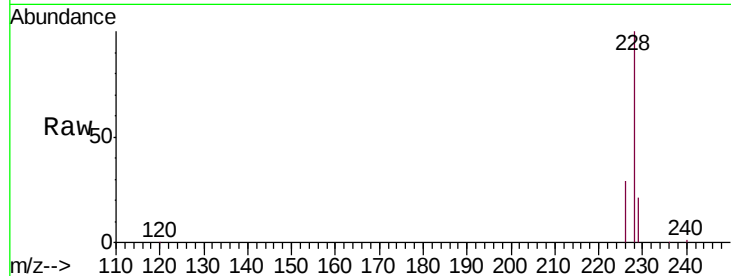
228 100

229 21.1 15.9 23.9

226 29.4 22.2 33.4

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#19

Chrysene

Concen: 9.881 ng/ul

RT: 21.11 min Scan# 4651

Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

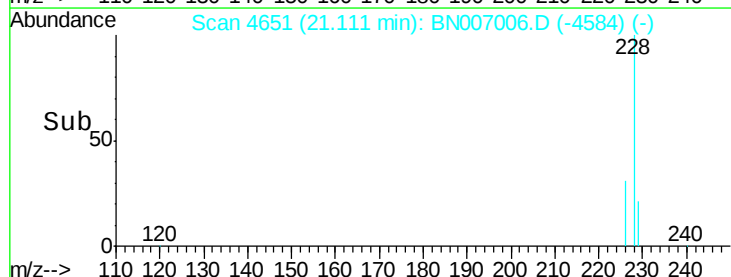
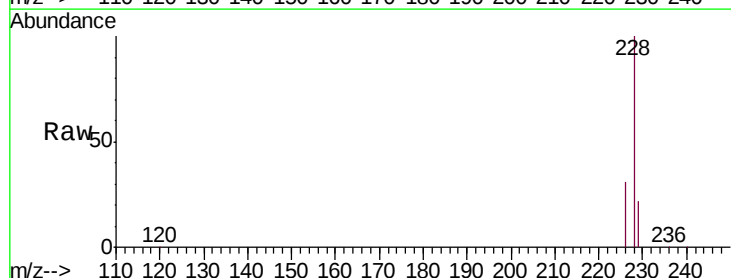
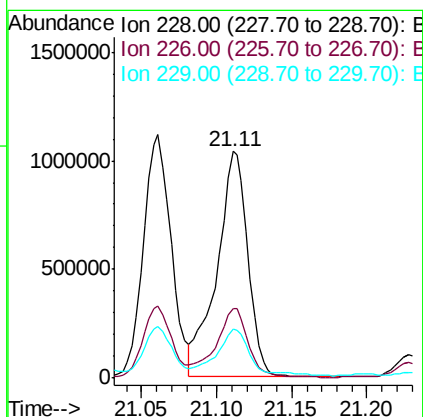
Tgt Ion:228 Resp: 1488890

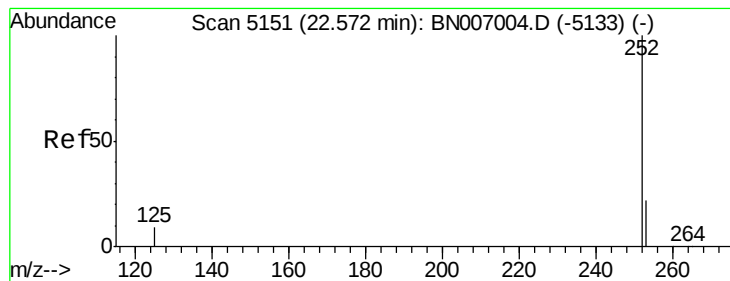
Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 21.6 15.5 23.3





#21

Benzo(b)fluoranthene

Concen: 9.350 ng/ul m

RT: 22.58 min Scan# 5154

Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

Instrument :

BNA_N

ClientSampleId :

BEP03

Tgt Ion:252 Resp: 1200655

Ion Ratio Lower Upper

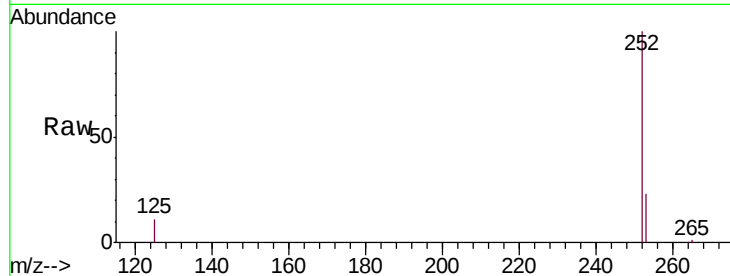
252 100

253 22.9 0.0 45.2

125 10.6 0.0 22.2

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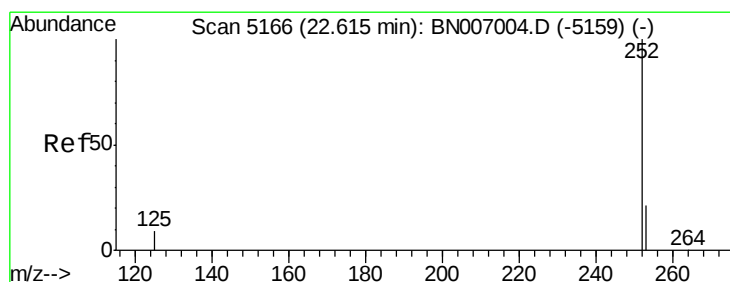
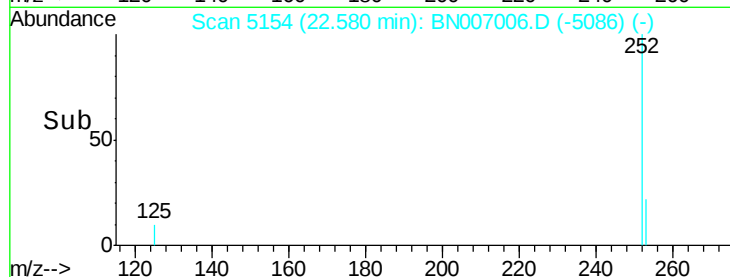
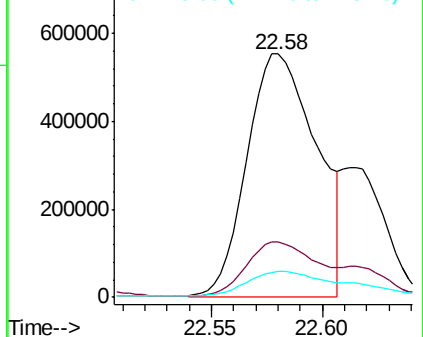
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 3.077 ng/ul m

RT: 22.61 min Scan# 5165

Delta R.T. -0.01 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

Tgt Ion:252 Resp: 382944

Ion Ratio Lower Upper

252 100

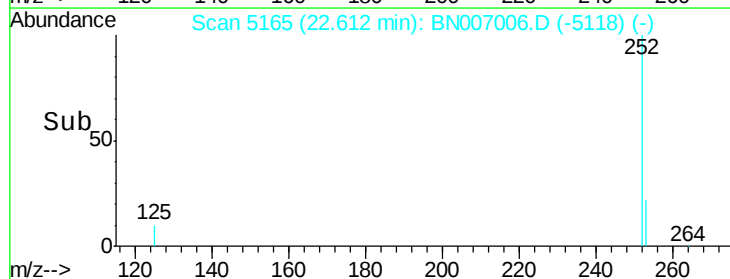
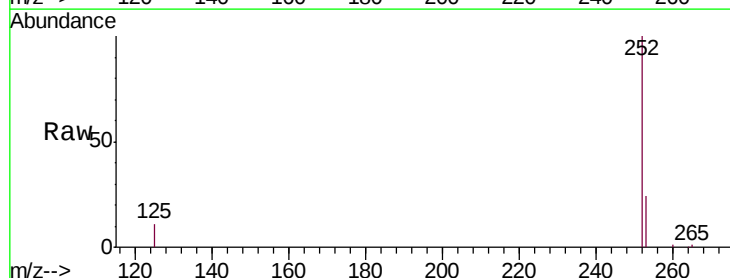
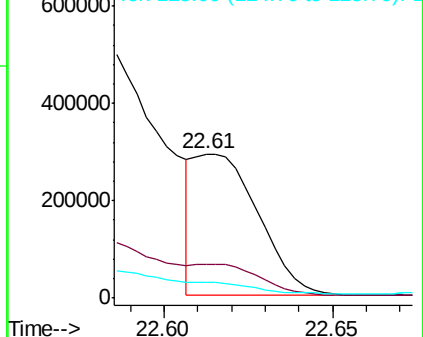
253 23.6 18.6 28.0

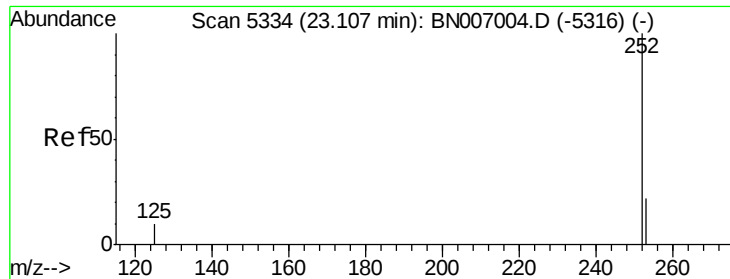
125 11.0 8.7 13.1

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





#23

Benzo(a)pyrene

Concen: 8.226 ng/ul m

RT: 23.11 min Scan# 5336

Delta R.T. -0.00 min

Lab File: BN007006.D

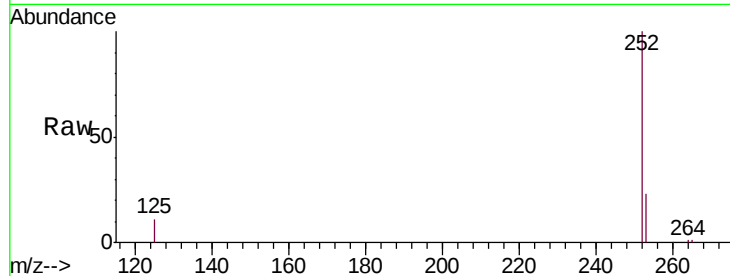
Acq: 08 Aug 2019 03:17

Instrument :

BNA_N

ClientSampleId :

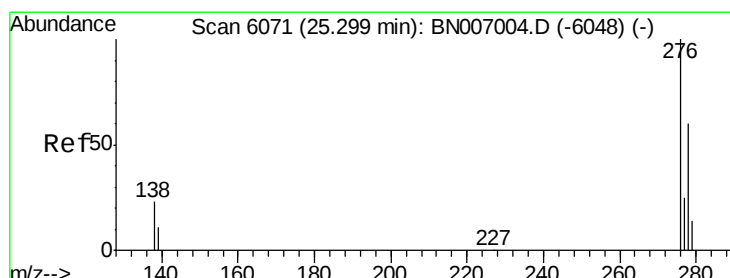
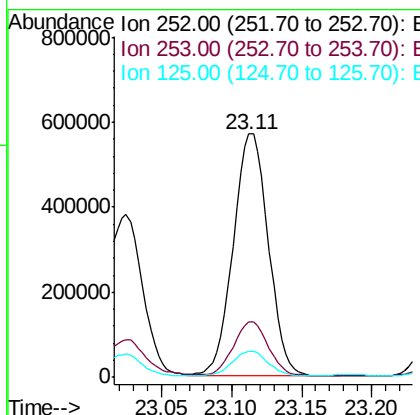
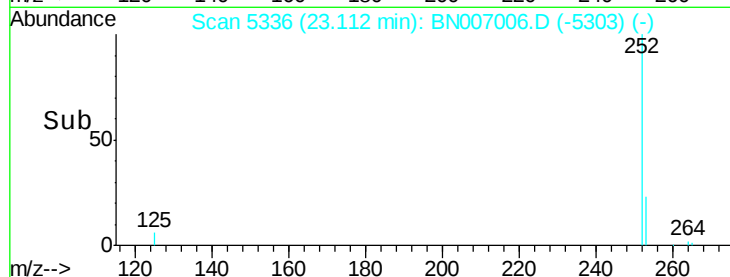
BEP03



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	994553		
253	22.7	18.0	27.0	
125	10.9	10.0	15.0	

Manual Integrations
APPROVED

mohammad
8/9/2019 6:15:43 AM



#24

Indeno(1,2,3-cd)pyrene

Concen: 3.827 ng/ul m

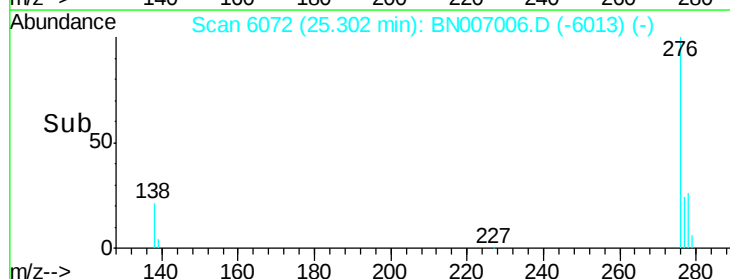
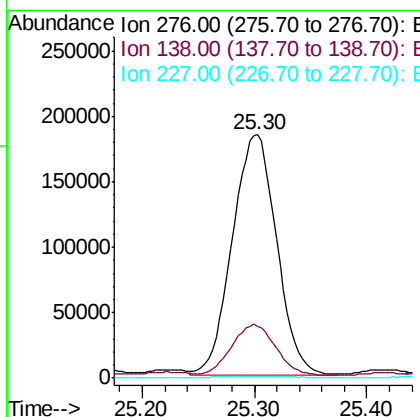
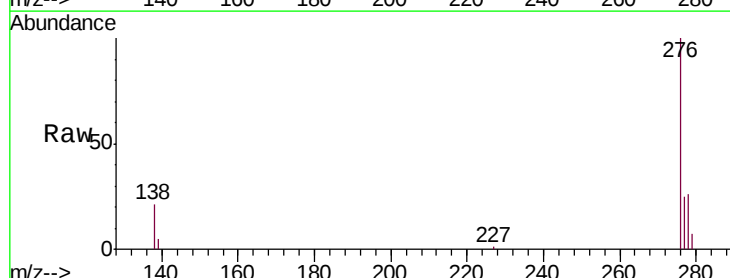
RT: 25.30 min Scan# 6072

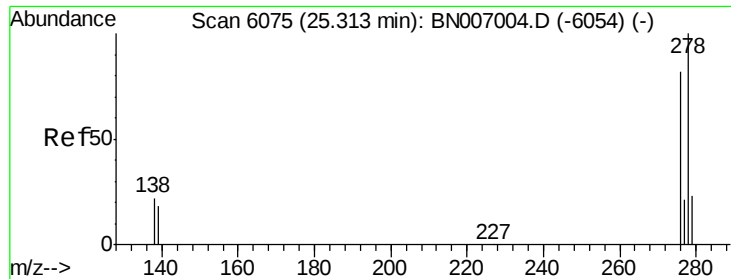
Delta R.T. -0.00 min

Lab File: BN007006.D

Acq: 08 Aug 2019 03:17

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	498753		
138	21.1	19.9	29.9	
227	0.3	0.2	0.4	





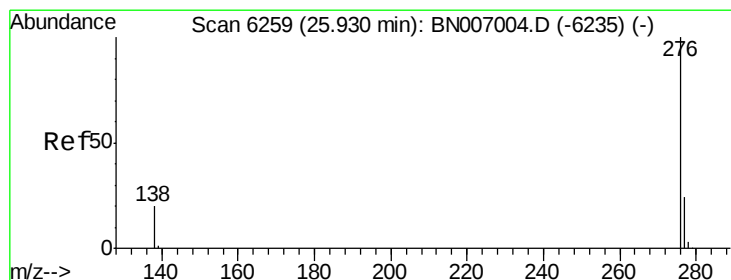
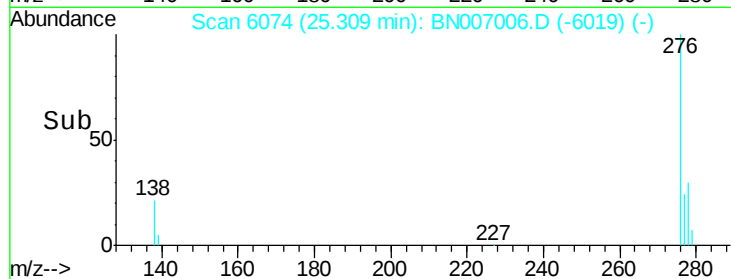
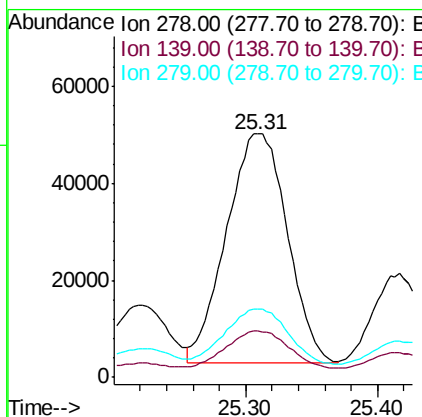
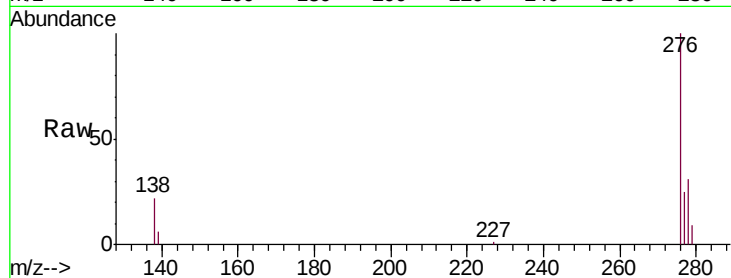
#25
Dibenzo(a,h)anthracene
Concen: 1.447 ng/ul m
RT: 25.31 min Scan# 6074
Delta R.T. -0.02 min
Lab File: BN007006.D
Acq: 08 Aug 2019 03:17

Instrument :
BNA_N
ClientSampleId :
BEP03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.3	21.5
279	28.1	19.6	29.4

Manual Integrations
APPROVED

mohammad
8/9/2019 6:15:43 AM



#26
Benzo(g,h,i)perylene
Concen: 4.866 ng/ul m
RT: 25.94 min Scan# 6261
Delta R.T. -0.00 min
Lab File: BN007006.D
Acq: 08 Aug 2019 03:17

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

