

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
 Data File : BN007023.D
 Acq On : 08 Aug 2019 13:39
 Operator : HP/JU
 Sample : K3962-10DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP03DL

Manual Integrations
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mohammad
 8/9/2019 6:16:49 AM

Quant Time: Aug 08 15:47:00 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	5329	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	21255	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	13221	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	32970	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	24229	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	20644	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	2140	0.06	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	7013	0.07	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.28	128	5221	0.085	ng/ul	97
5) 2-Methylnaphthalene	11.90	142	3910	0.085	ng/ul	98
7) Acenaphthylene	13.83	152	8210	0.107	ng/ul#	96
8) Acenaphthene	14.18	153	9733	0.186	ng/ul	100
9) Fluorene	15.17	166	9164	0.144	ng/ul	99
12) Phenanthrene	16.90	178	222743	2.120	ng/ul	100
13) Anthracene	16.99	178	47495	0.442	ng/ul	98
15) Fluoranthene	18.93	202	415654	3.183	ng/ul	99
17) Pyrene	19.30	202	548396	5.070	ng/ul	99
18) Benzo(a)anthracene	21.07	228	288203	2.708	ng/ul	97
19) Chrysene	21.12	228	286676	2.876	ng/ul	98
21) Benzo(b)fluoranthene	22.59	252	229253m	2.739	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	82228m	1.014	ng/ul	
23) Benzo(a)pyrene	23.12	252	186885	2.372	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.31	276	89218	1.050	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.32	278	27961	0.412	ng/ul	91
26) Benzo(g,h,i)perylene	25.95	276	95498	1.340	ng/ul	98

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

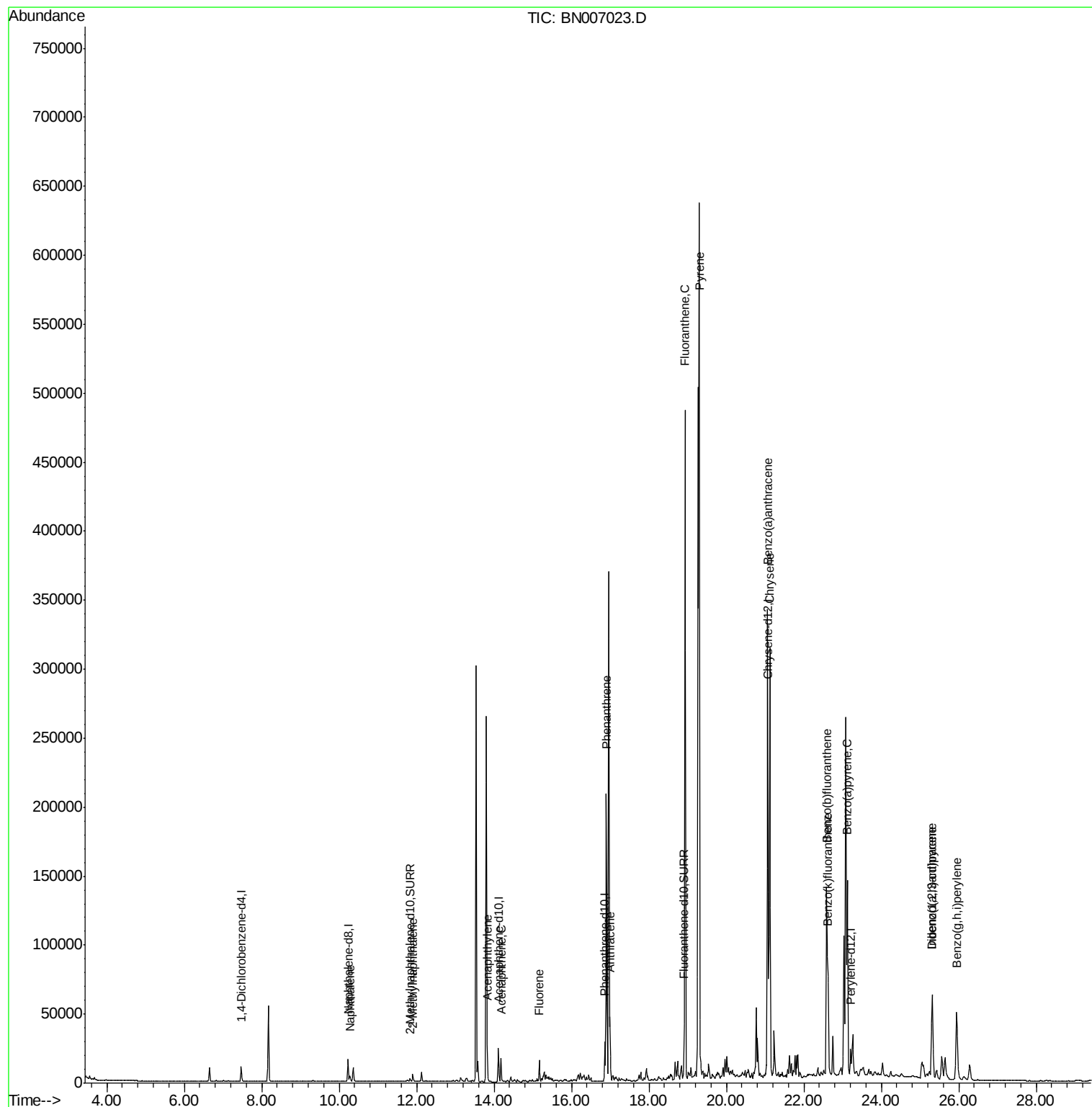
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN007023.D
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ALS Vial : 3 Sample Multiplier: 1

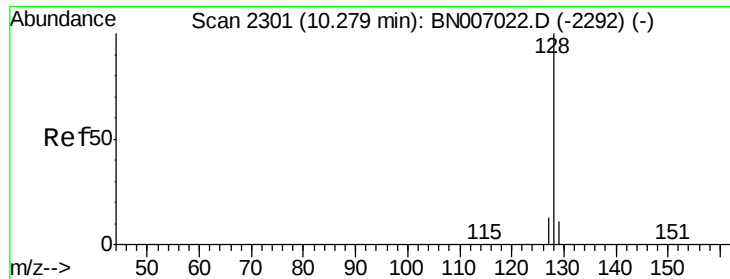
Instrument :
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#3

Naphthalene

Concen: 0.085 ng/ul

RT: 10.28 min Scan# 2301

Delta R.T. -0.00 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Instrument :

BNA_N

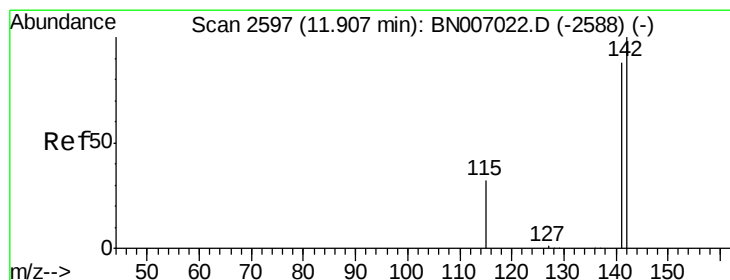
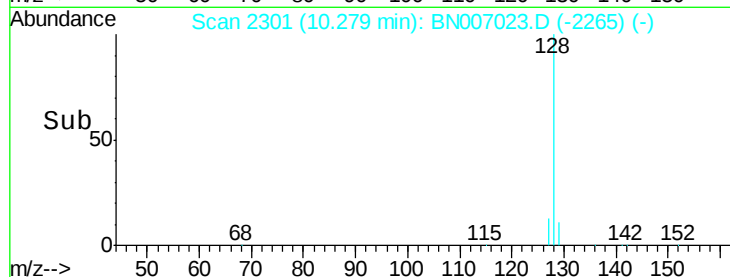
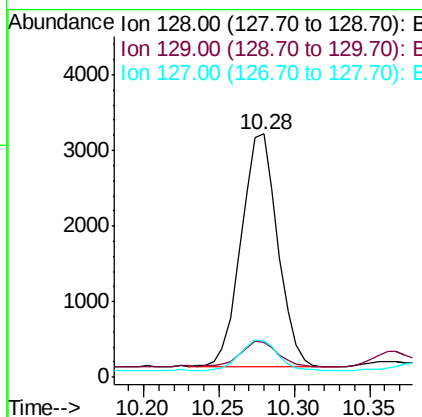
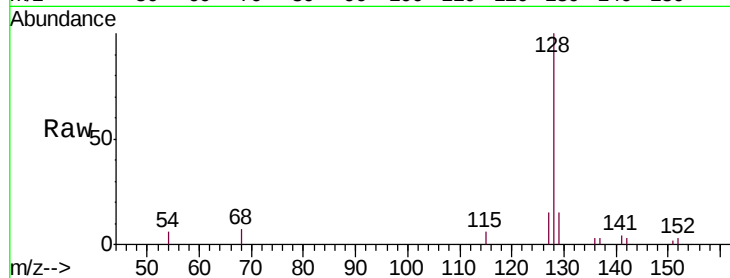
ClientSampleId :

BEP03DL

Tgt Ion:	128	Resp:	5221
Ion Ratio		Lower	Upper
128	100		
129	14.6	10.0	15.0
127	15.1	11.7	17.5

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#5

2-Methylnaphthalene

Concen: 0.085 ng/ul

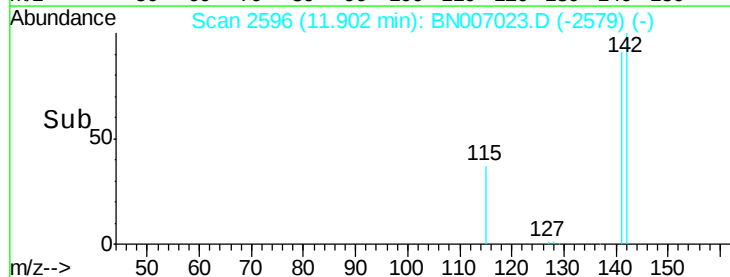
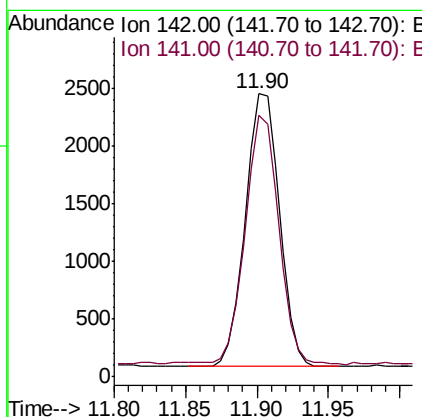
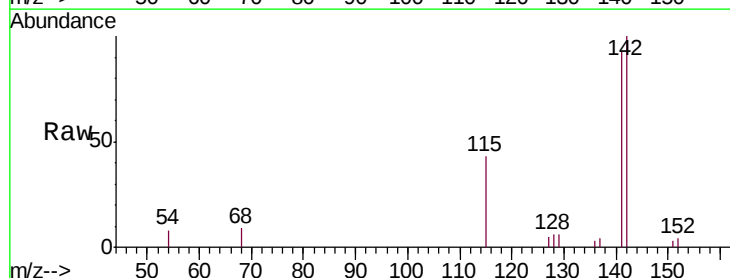
RT: 11.90 min Scan# 2596

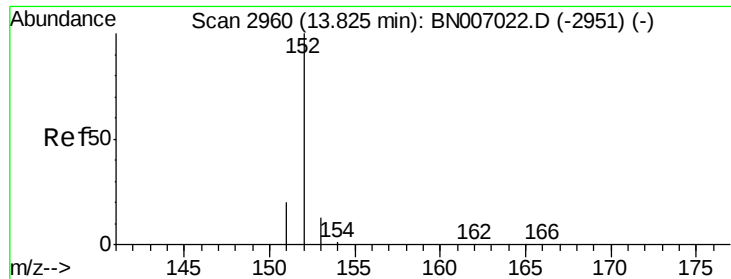
Delta R.T. -0.01 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Tgt Ion:	142	Resp:	3910
Ion Ratio		Lower	Upper
142	100		
141	90.8	71.0	106.6





#7

Acenaphthylene

Concen: 0.107 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Instrument :

BNA_N

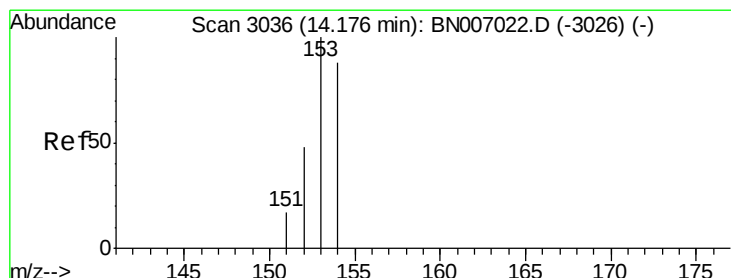
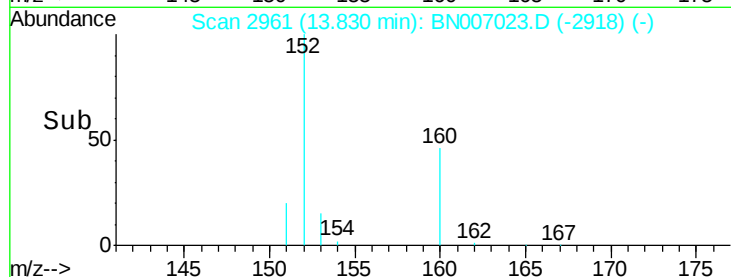
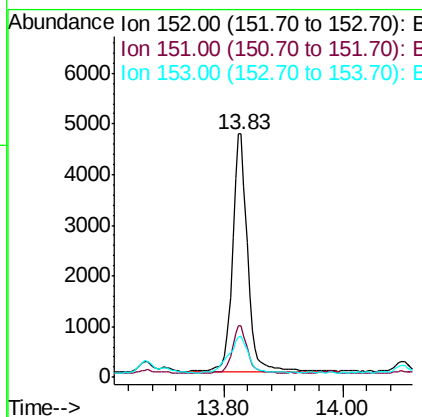
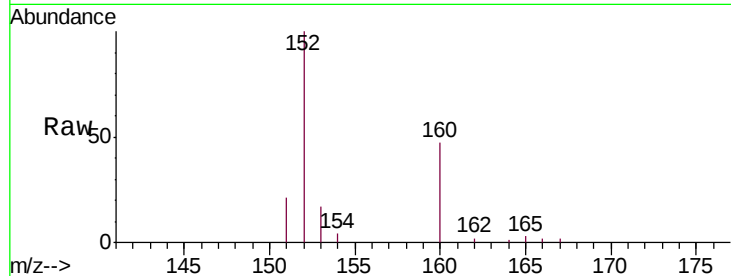
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Tgt Ion:	152	Resp:	8210
Ion Ratio	Lower	Upper	
152	100		
151	21.4	16.3	24.5
153	16.9	11.0	16.4

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#8

Acenaphthene

Concen: 0.186 ng/ul

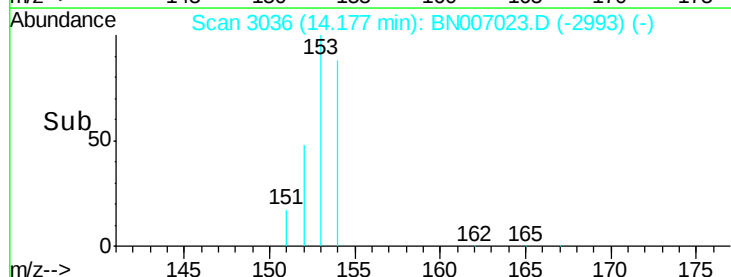
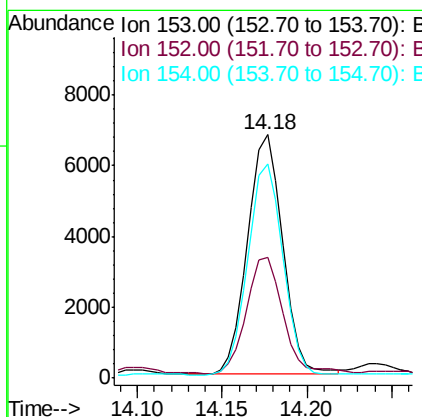
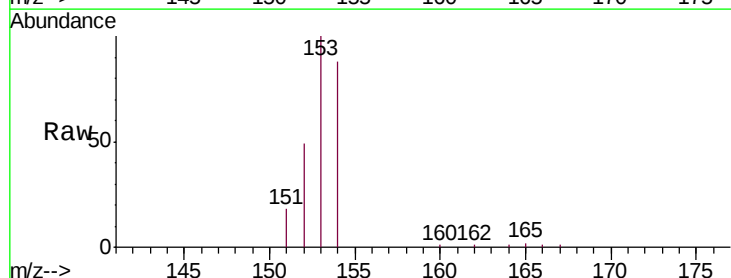
RT: 14.18 min Scan# 3036

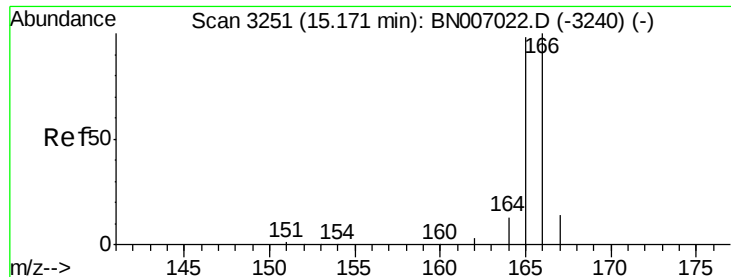
Delta R.T. -0.00 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Tgt Ion:	153	Resp:	9733
Ion Ratio	Lower	Upper	
153	100		
152	49.5	39.4	59.2
154	87.9	70.1	105.1





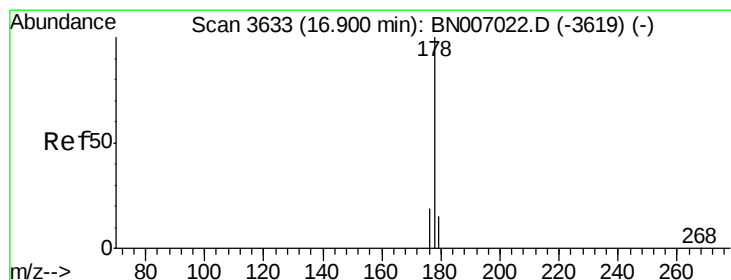
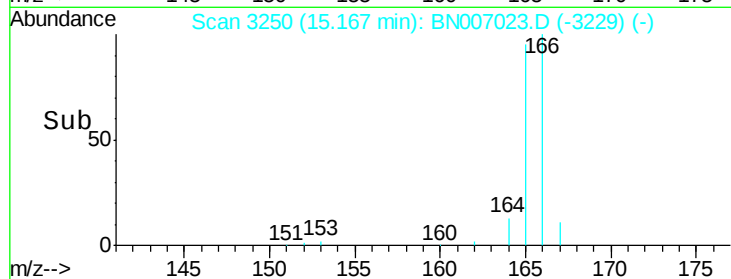
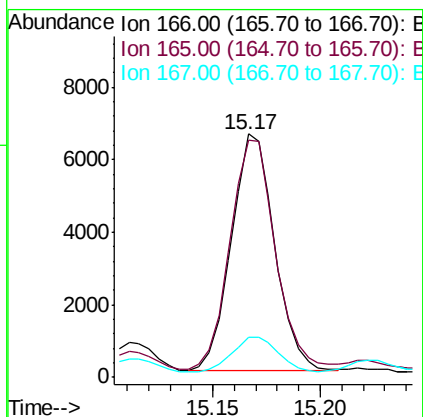
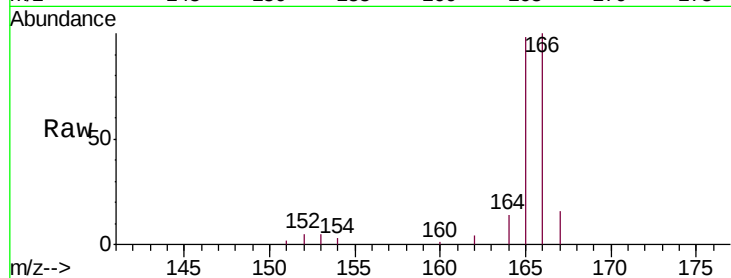
#9
Fluorene
 Concen: 0.144 ng/ul
 RT: 15.17 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: BN007023.D
 Acq: 08 Aug 2019 13:39

Instrument :
 BNA_N
 ClientSampleId :
 BEP03DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.8	118.2
167	16.3	11.3	16.9

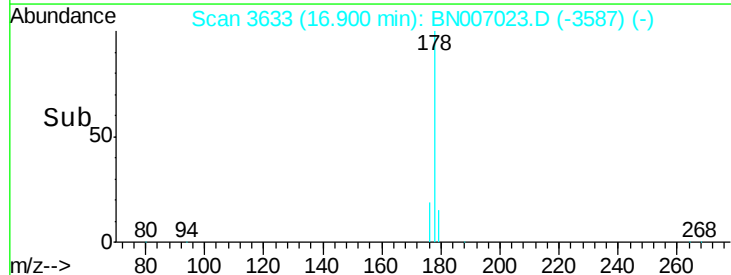
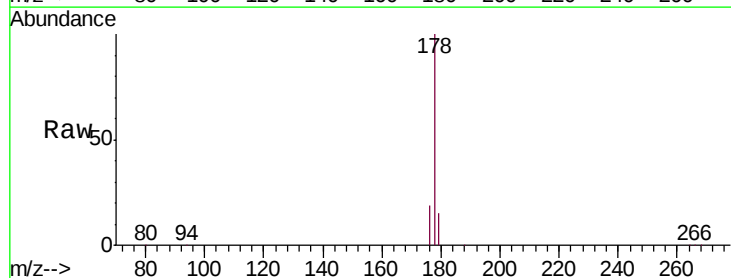
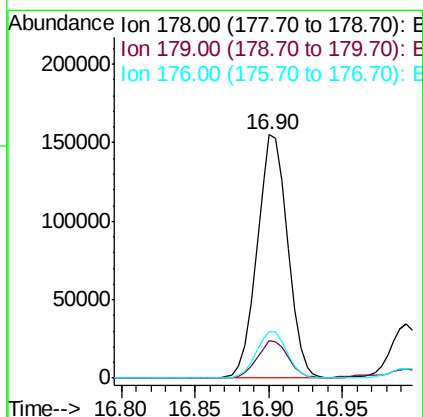
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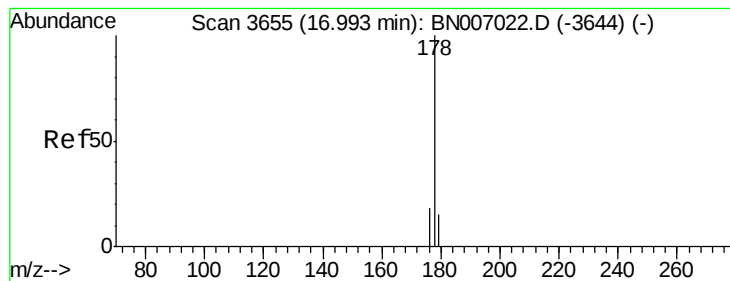
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#12
Phenanthrene
 Concen: 2.120 ng/ul
 RT: 16.90 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: BN007023.D
 Acq: 08 Aug 2019 13:39

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	19.3	15.6	23.4





#13

Anthracene

Concen: 0.442 ng/ul

RT: 16.99 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Instrument :

BNA_N

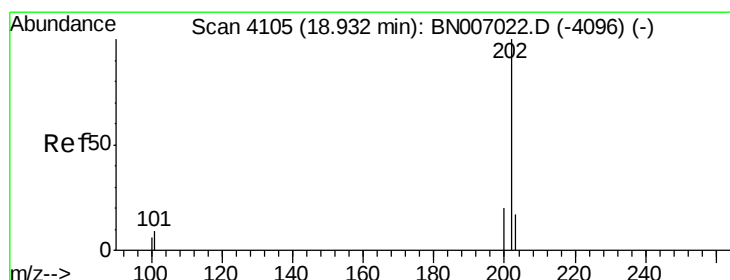
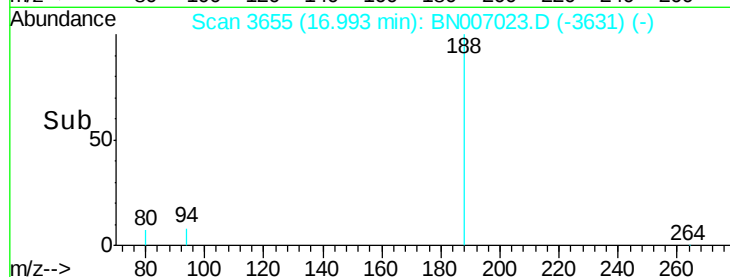
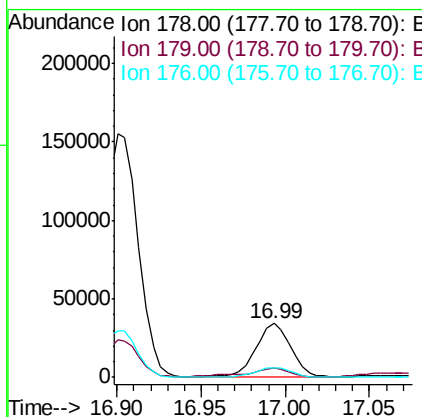
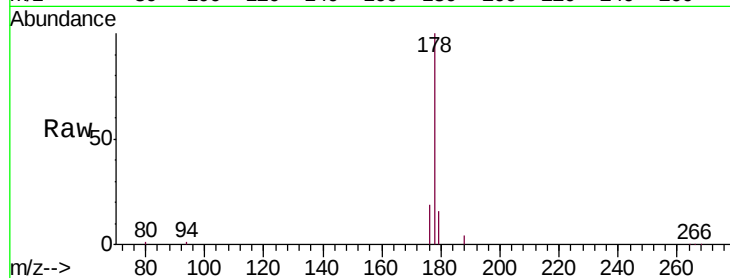
ClientSampleId :

BEP03DL

Tgt Ion:	178	Resp:	47495
Ion Ratio	Lower	Upper	
178	100		
179	16.5	12.6	18.8
176	18.6	15.4	23.0

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#15

Fluoranthene

Concen: 3.183 ng/ul

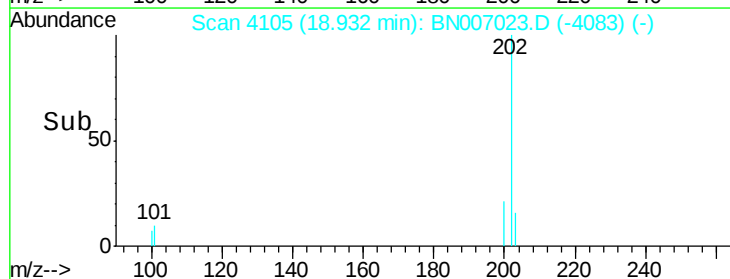
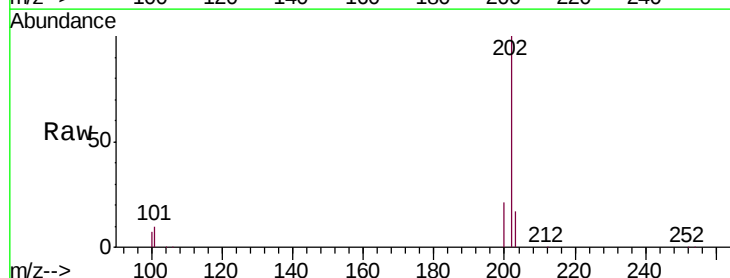
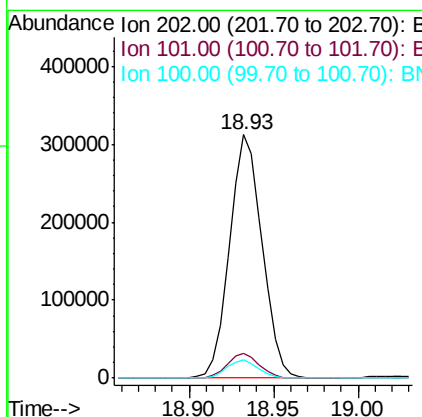
RT: 18.93 min Scan# 4105

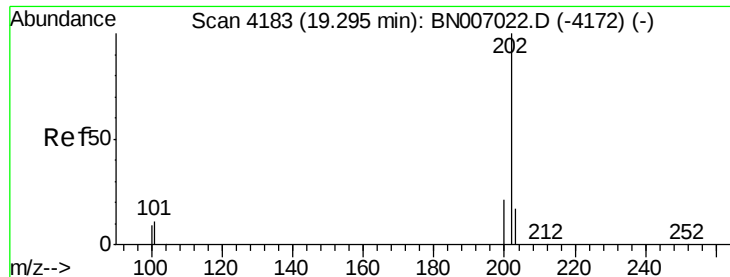
Delta R.T. -0.00 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Tgt Ion:	202	Resp:	415654
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	30.0
100	7.4	0.0	27.7





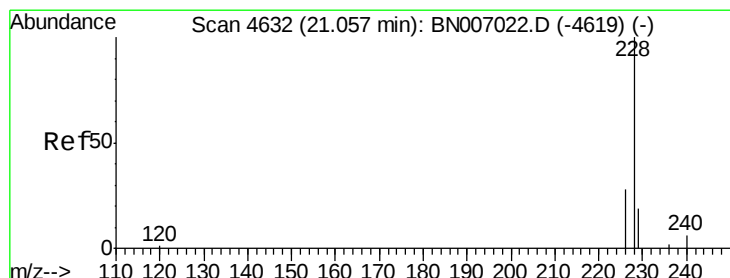
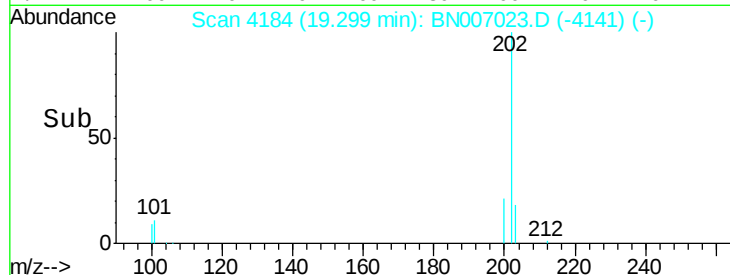
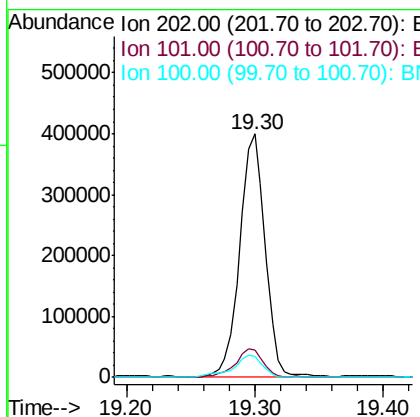
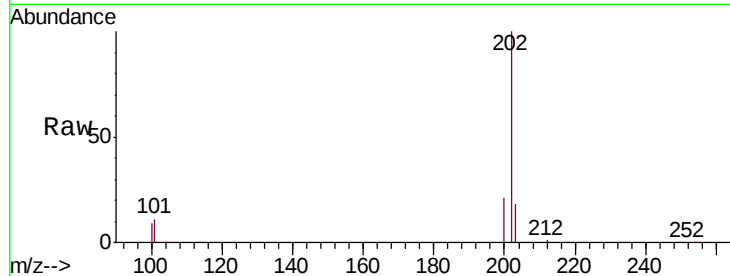
#17
Pyrene
Concen: 5.070 ng/ul
RT: 19.30 min Scan# 4184
Delta R.T. -0.00 min
Lab File: BN007023.D
Acq: 08 Aug 2019 13:39

Instrument :
BNA_N
ClientSampled :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.1	9.3	13.9
100	8.7	7.3	10.9

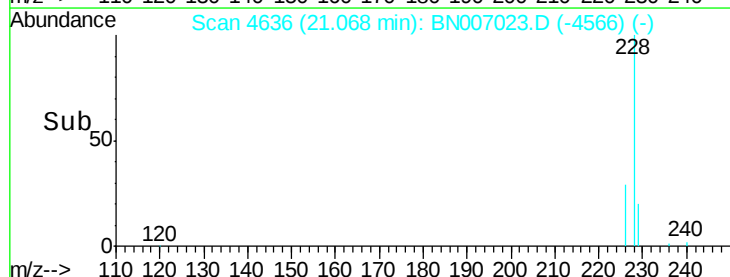
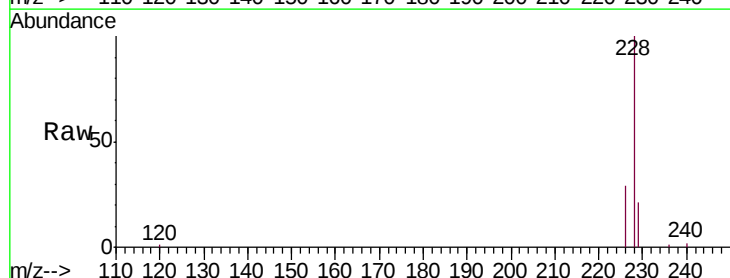
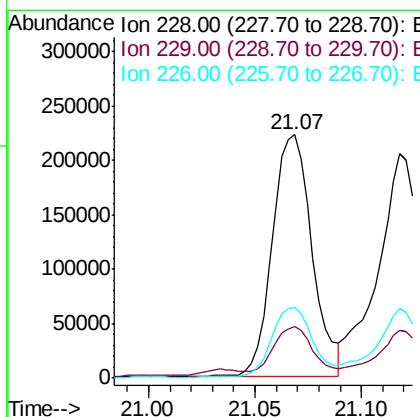
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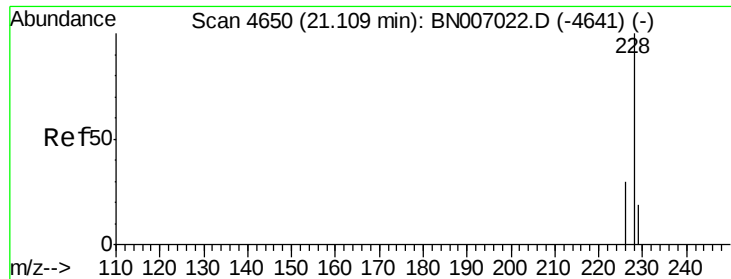
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#18
Benzo(a)anthracene
Concen: 2.708 ng/ul
RT: 21.07 min Scan# 4636
Delta R.T. 0.00 min
Lab File: BN007023.D
Acq: 08 Aug 2019 13:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.0	15.9	23.9
226	29.2	22.2	33.4





#19

Chrysene

Concen: 2.876 ng/ul

RT: 21.12 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Instrument :

BNA_N

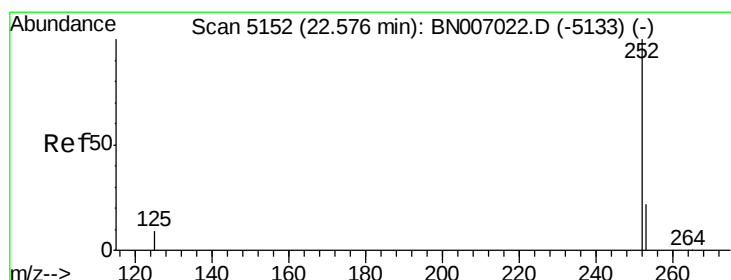
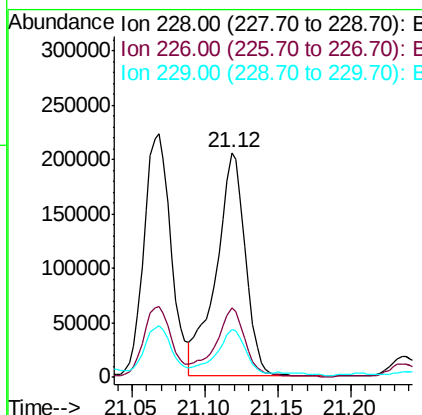
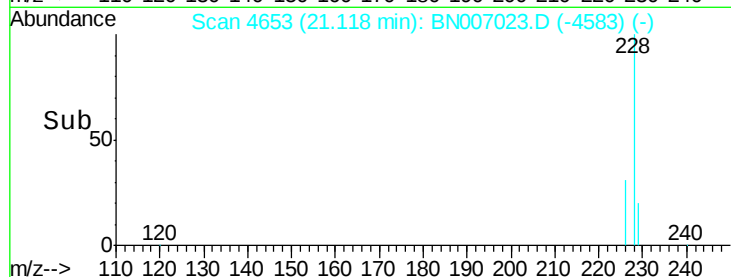
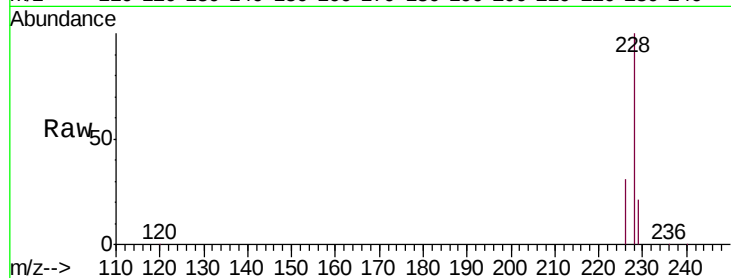
ClientSampled :

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Tgt Ion:	228	Resp:	286676
Ion Ratio		Lower	Upper
228	100		
226	30.8	24.7	37.1
229	21.1	15.5	23.3

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#21

Benzo(b)fluoranthene

Concen: 2.739 ng/ul m

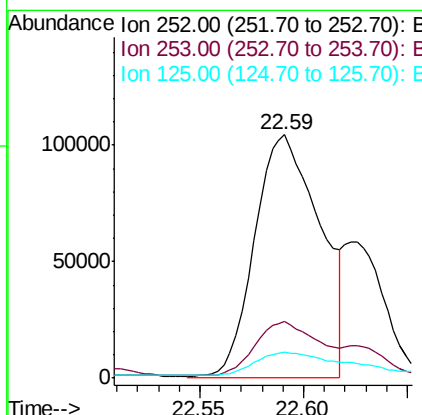
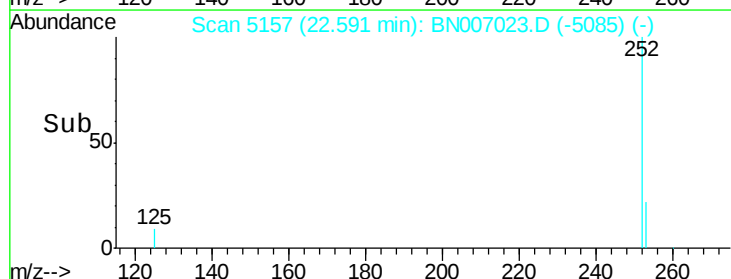
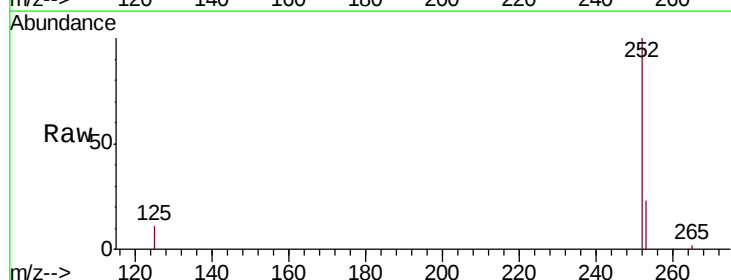
RT: 22.59 min Scan# 5157

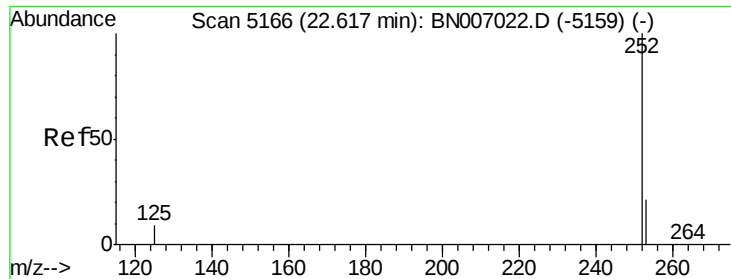
Delta R.T. 0.01 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Tgt Ion:	252	Resp:	229253
Ion Ratio		Lower	Upper
252	100		
253	23.1	0.0	45.2
125	10.7	0.0	22.2





#22

Benzo(k)fluoranthene

Concen: 1.014 ng/ul m

RT: 22.62 min Scan# 5168

Delta R.T. -0.00 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Instrument :

BNA_N

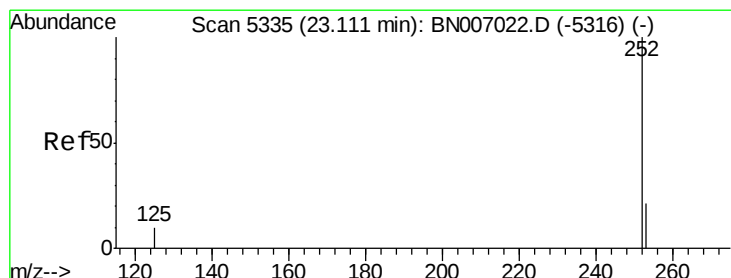
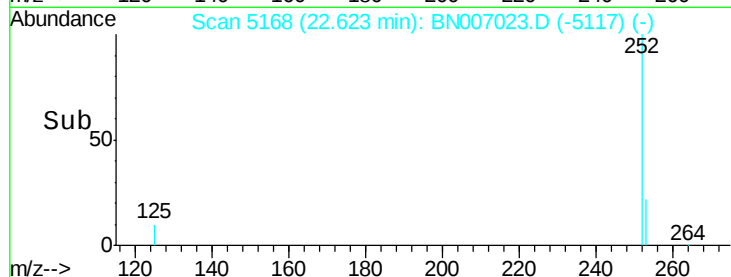
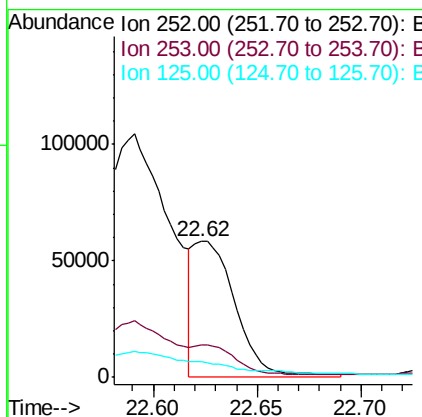
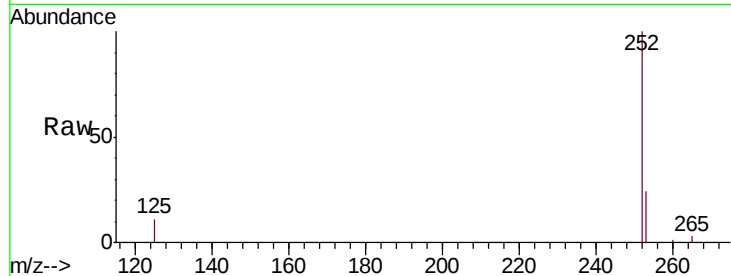
ClientSampleId :

BEP03DL

Tgt Ion:	252	Resp:	82228
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.6	28.0
125	11.5	8.7	13.1

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#23

Benzo(a)pyrene

Concen: 2.372 ng/ul

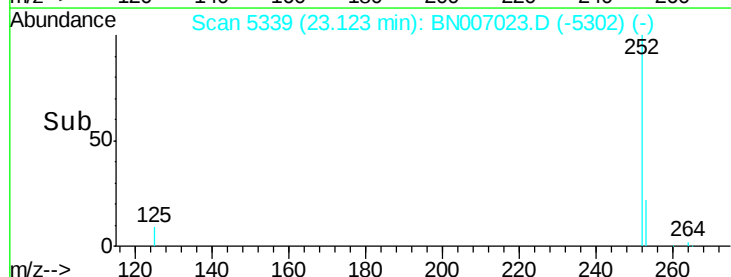
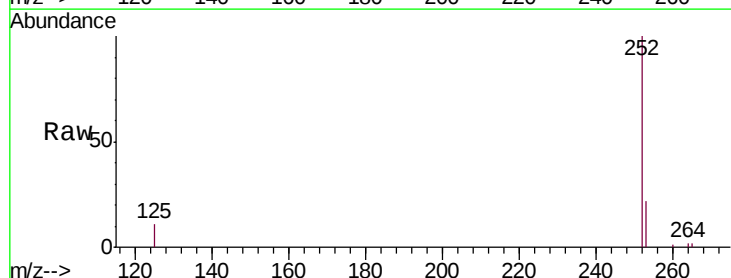
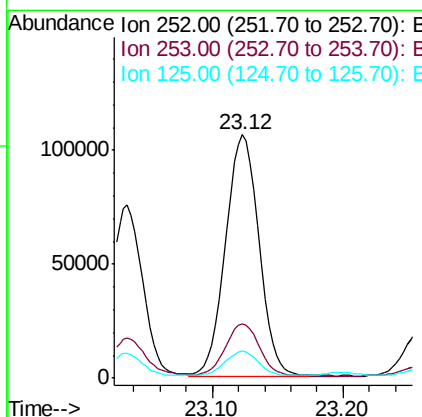
RT: 23.12 min Scan# 5339

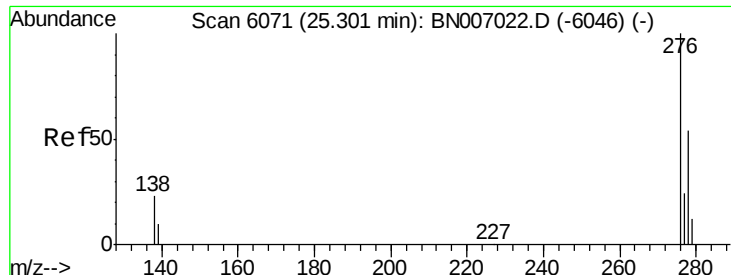
Delta R.T. 0.01 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Tgt Ion:	252	Resp:	186885
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	11.0	10.0	15.0





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.050 ng/u1

RT: 25.31 min Scan# 6075

Delta R.T. 0.01 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Instrument :

BNA_N

ClientSampleId :

BEP03DL

Tgt Ion:276 Resp: 89218

Ion Ratio Lower Upper

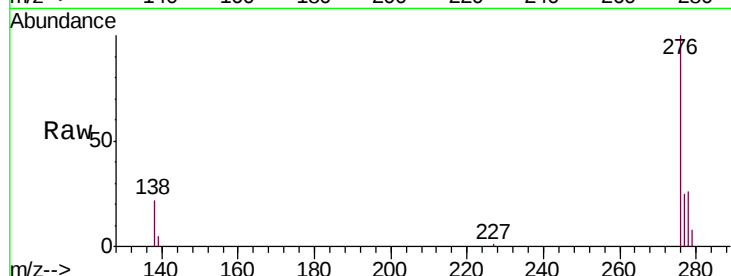
276 100

138 21.5 19.9 29.9

227 0.2 0.2 0.4#

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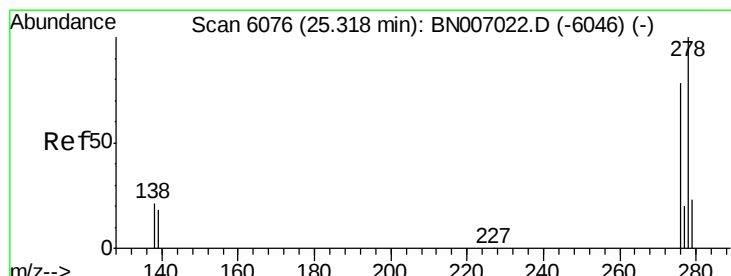
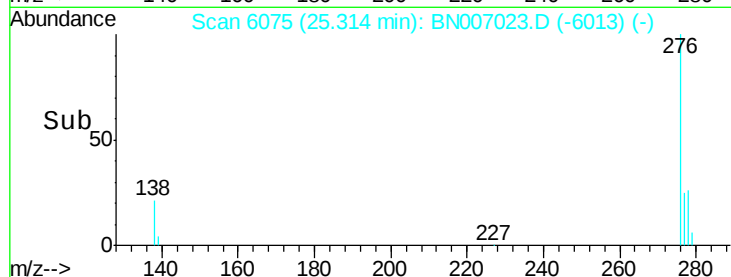
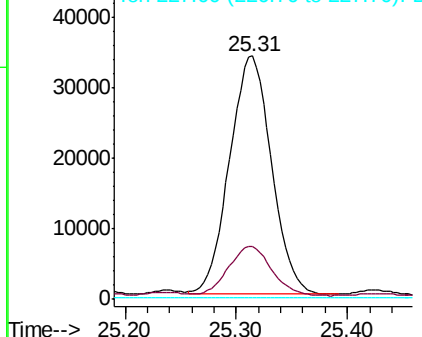
mohammad
8/9/2019 6:16:49 AM



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: 0.412 ng/u1

RT: 25.32 min Scan# 6077

Delta R.T. -0.00 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Tgt Ion:278 Resp: 27961

Ion Ratio Lower Upper

278 100

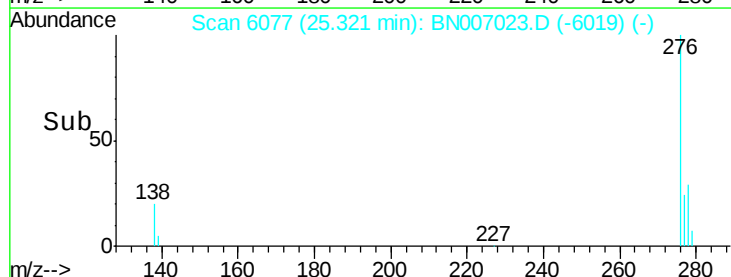
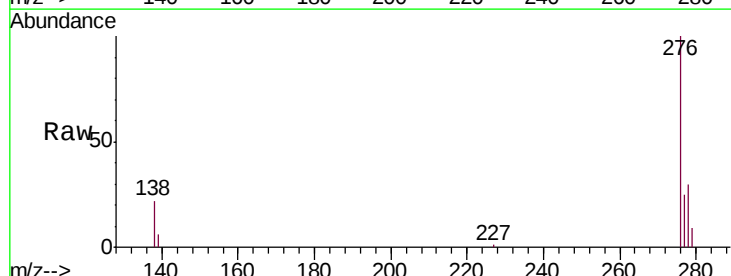
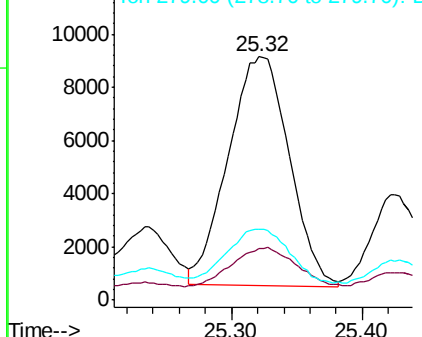
139 21.4 14.3 21.5

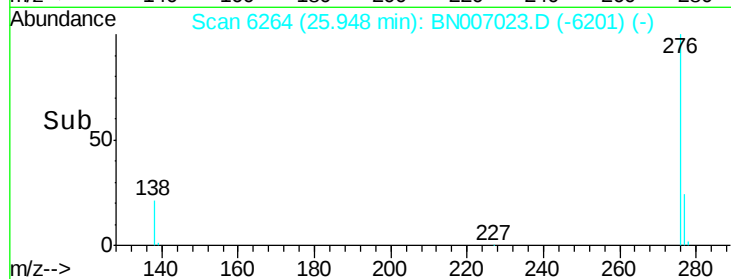
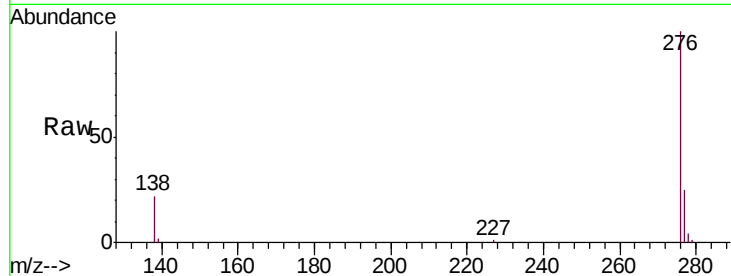
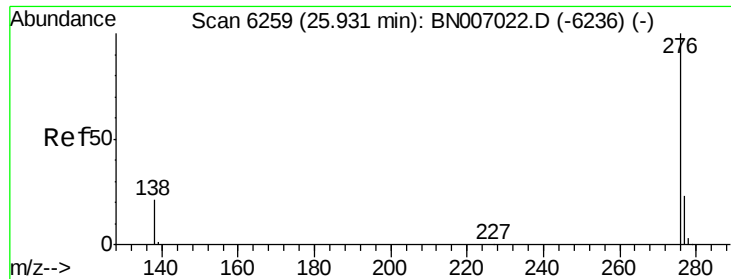
279 29.1 19.6 29.4

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: 1.340 ng/ul

RT: 25.95 min Scan# 6264

Delta R.T. 0.01 min

Lab File: BN007023.D

Acq: 08 Aug 2019 13:39

Tgt Ion:	276	Resp:	95498
Ion Ratio	Lower	Upper	
276	100		
138	21.6	18.7	28.1
277	24.6	19.3	28.9

Instrument :

BNA_N

ClientSampleId :

BEP03DL

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:49 AM

