

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
 Data File : BN007024.D
 Acq On : 08 Aug 2019 14:15
 Operator : HP/JU
 Sample : K3962-11DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP04DL

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:16:53 AM

Quant Time: Aug 08 15:50:06 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	7449	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	29279	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	18228	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	46225	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	38922	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	37240	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	926	0.02	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	3183	0.02	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.28	128	3217	0.038	ng/ul#	93
5) 2-Methylnaphthalene	11.91	142	2784	0.044	ng/ul	100
7) Acenaphthylene	13.83	152	3228	0.031	ng/ul#	92
8) Acenaphthene	14.18	153	6074	0.084	ng/ul	97
9) Fluorene	15.17	166	5460	0.062	ng/ul	98
12) Phenanthrene	16.90	178	121719	0.826	ng/ul	99
13) Anthracene	16.99	178	23725	0.157	ng/ul	99
15) Fluoranthene	18.93	202	177721	0.971	ng/ul	98
17) Pyrene	19.29	202	257154	1.480	ng/ul	99
18) Benzo(a)anthracene	21.06	228	134049	0.784	ng/ul	98
19) Chrysene	21.11	228	137923	0.861	ng/ul	99
21) Benzo(b)fluoranthene	22.58	252	102330m	0.678	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	36298m	0.248	ng/ul	
23) Benzo(a)pyrene	23.11	252	85245	0.600	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.30	276	36356	0.237	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.31	278	11640	0.095	ng/ul#	87
26) Benzo(g,h,i)perylene	25.93	276	39716	0.309	ng/ul	98

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

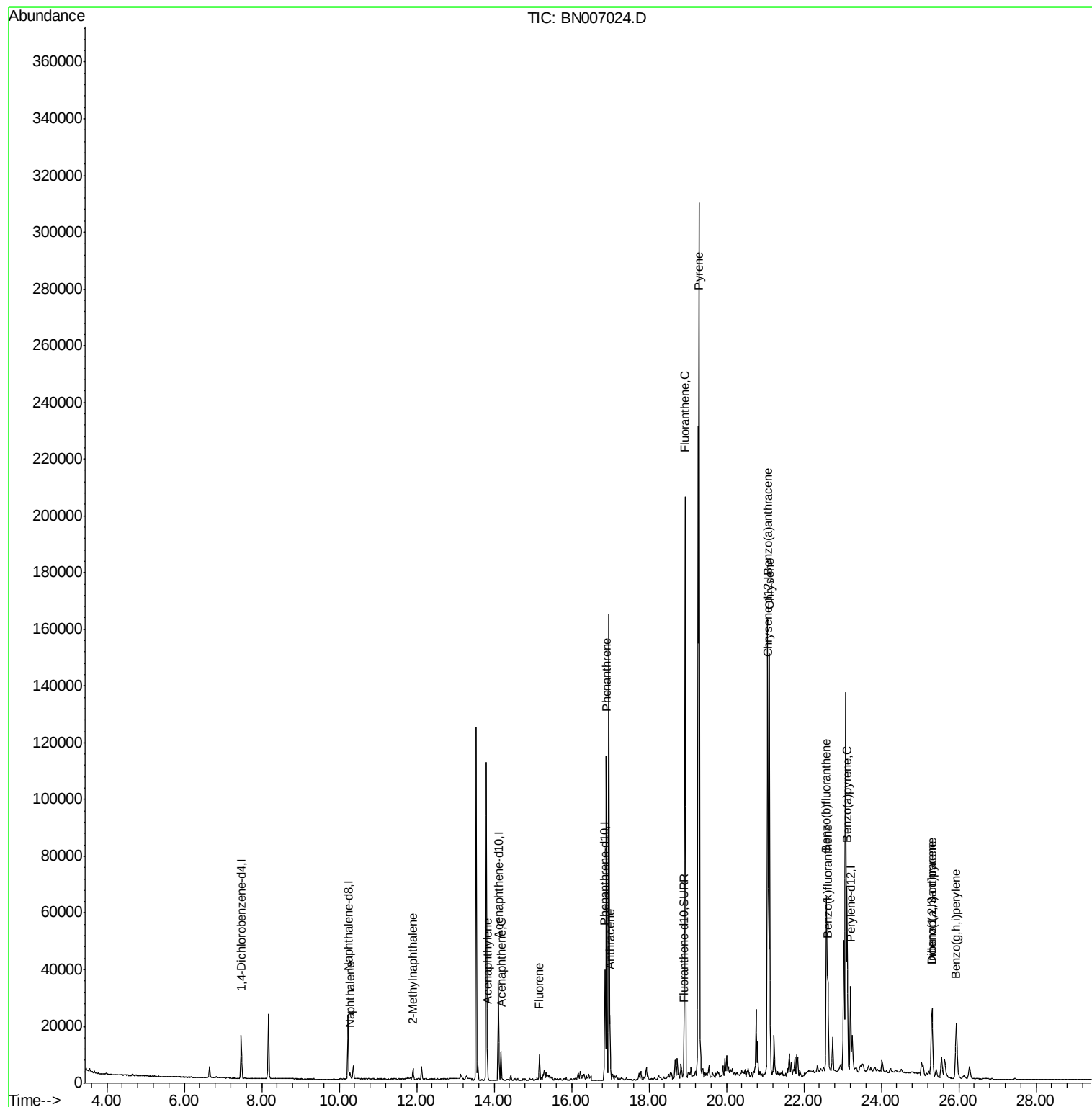
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN007024.D
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Misc :
ALS Vial : 4 Sample Multiplier: 1

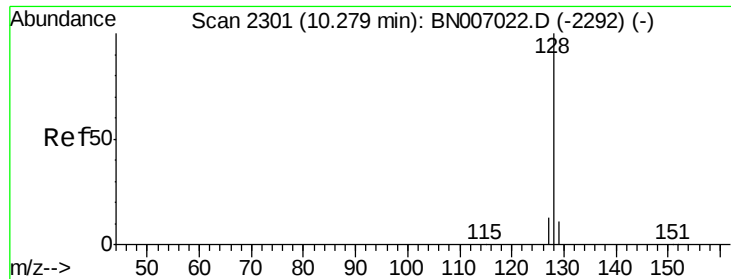
Instrument :
BNA_N
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BEP04DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
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#3

Naphthalene

Concen: 0.038 ng/ul

RT: 10.28 min Scan# 2301

Delta R.T. 0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Instrument :

BNA_N

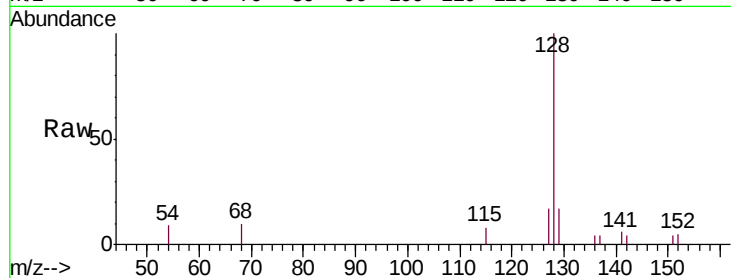
ClientSampleId :

BEP04DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	16.5	10.0	15.0#
127	16.7	11.7	17.5

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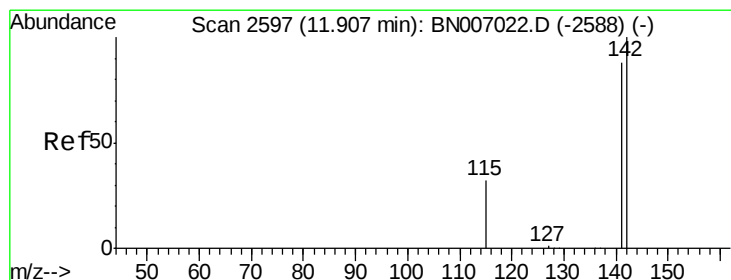
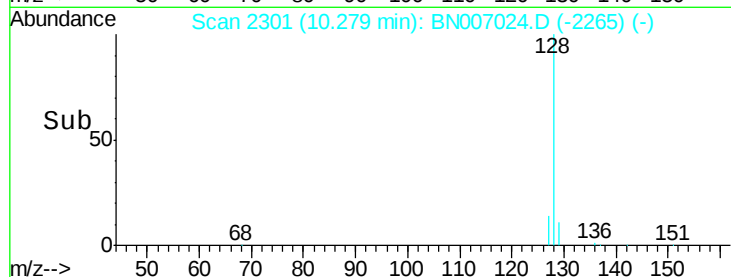
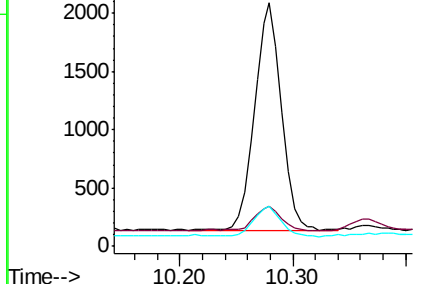
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.044 ng/ul

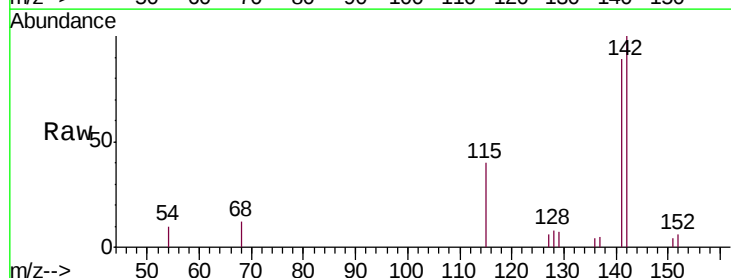
RT: 11.91 min Scan# 2597

Delta R.T. -0.00 min

Lab File: BN007024.D

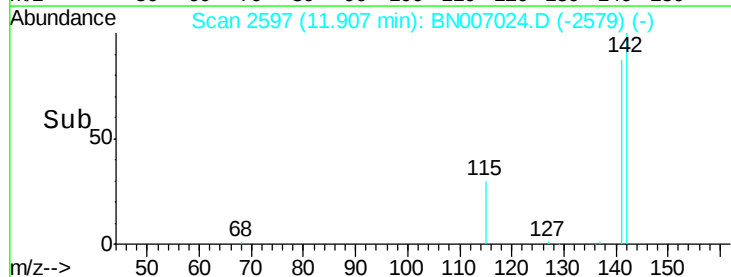
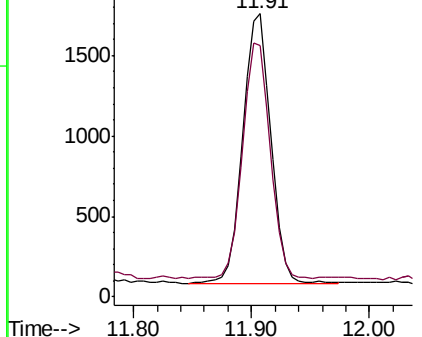
Acq: 08 Aug 2019 14:15

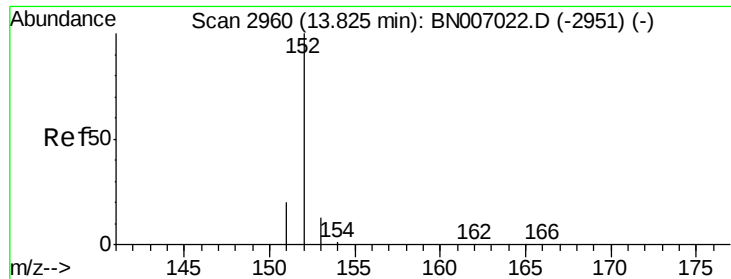
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.0	106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.031 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Instrument :

BNA_N

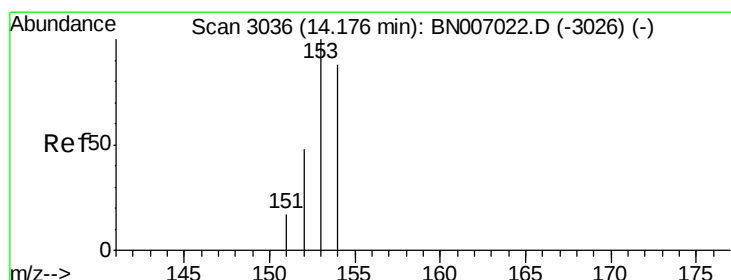
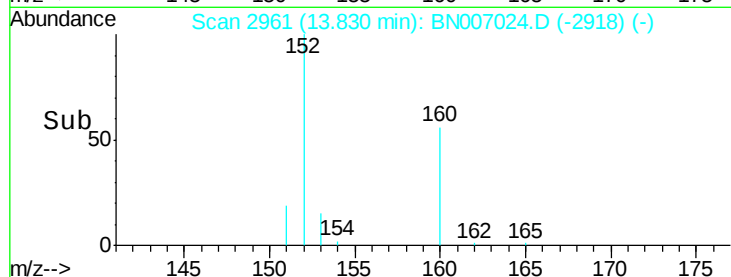
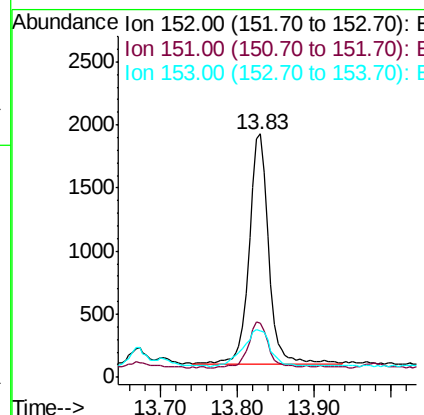
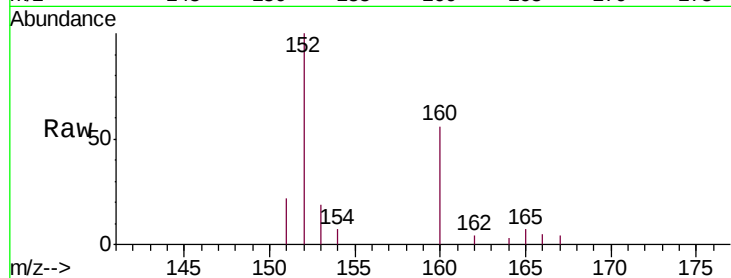
ClientSampleId :

BEP04DL

Tgt Ion:	152	Resp:	3228
Ion Ratio	Lower	Upper	
152	100		
151	22.4	16.3	24.5
153	19.2	11.0	16.4

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#8

Acenaphthene

Concen: 0.084 ng/ul

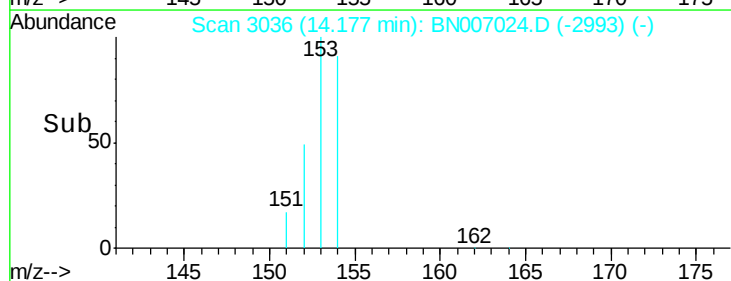
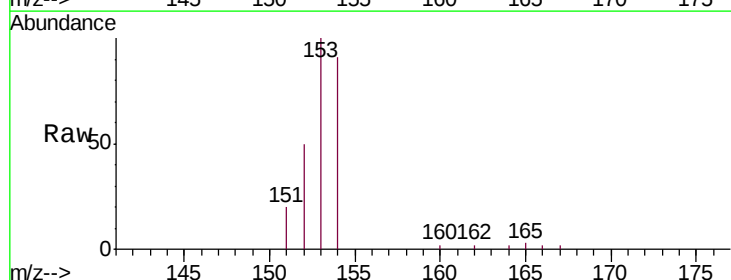
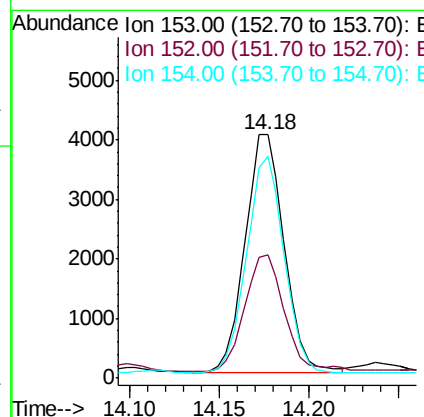
RT: 14.18 min Scan# 3036

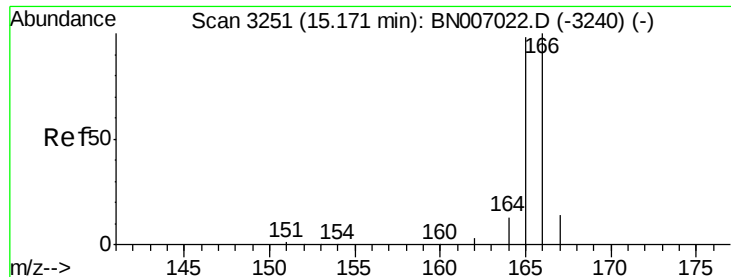
Delta R.T. 0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Tgt Ion:	153	Resp:	6074
Ion Ratio	Lower	Upper	
153	100		
152	50.4	39.4	59.2
154	91.0	70.1	105.1





#9

Fluorene

Concen: 0.062 ng/ul

RT: 15.17 min Scan# 3250

Delta R.T. -0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Instrument :

BNA_N

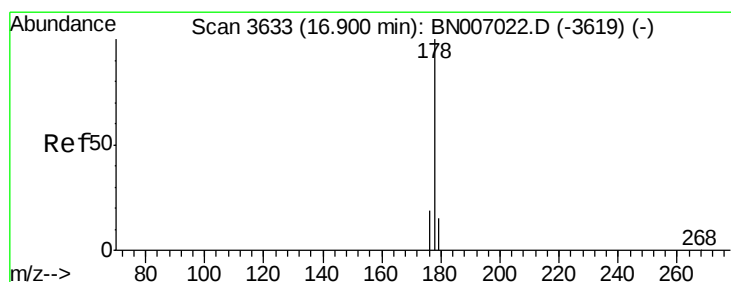
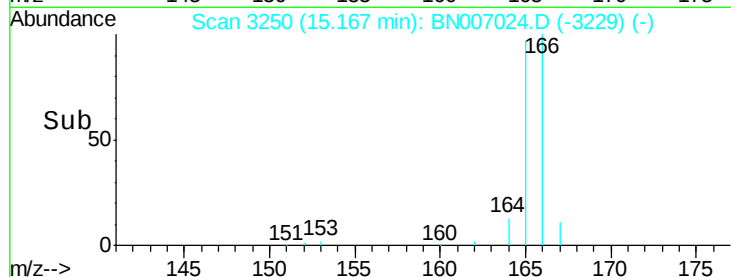
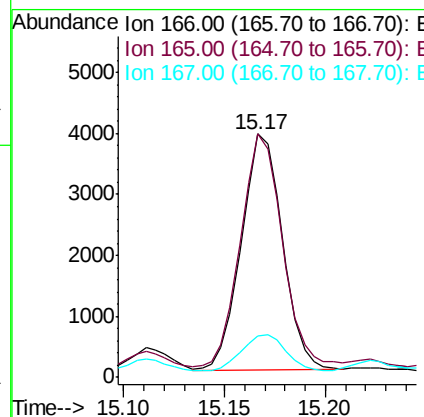
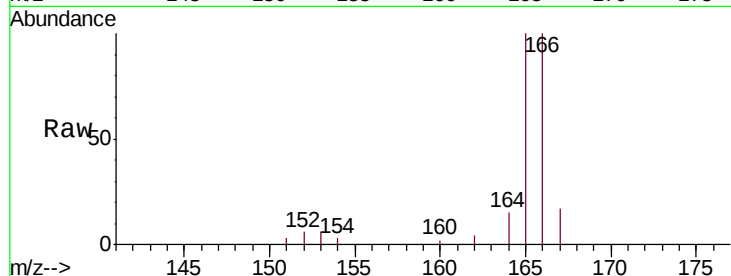
ClientSampleId :

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Tgt Ion:	166	Resp:	5460
Ion Ratio	Lower	Upper	
166	100		
165	100.0	78.8	118.2
167	16.8	11.3	16.9

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#12

Phenanthrene

Concen: 0.826 ng/ul

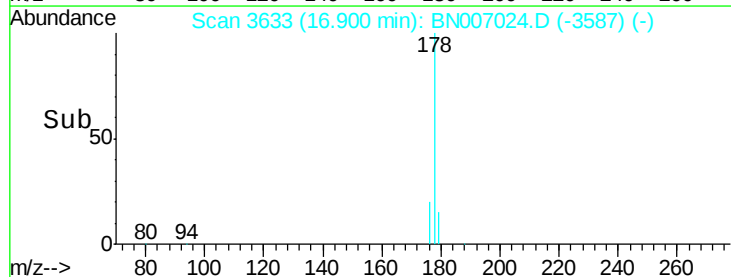
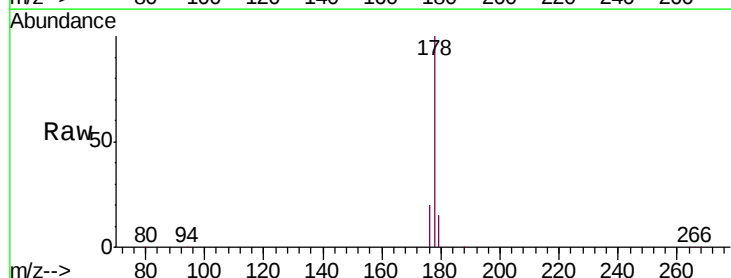
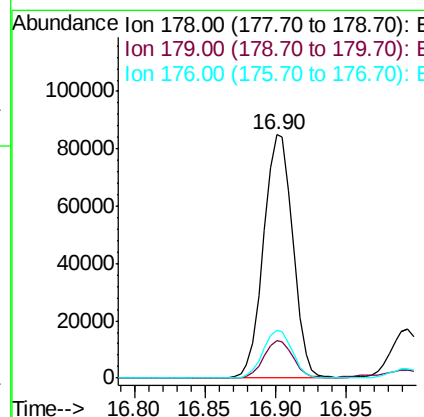
RT: 16.90 min Scan# 3633

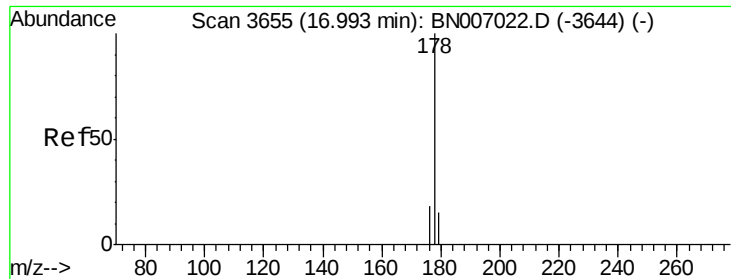
Delta R.T. -0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Tgt Ion:	178	Resp:	121719
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.5	18.7
176	19.7	15.6	23.4





#13

Anthracene

Concen: 0.157 ng/ul

RT: 16.99 min Scan# 3655

Delta R.T. 0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Instrument :

BNA_N

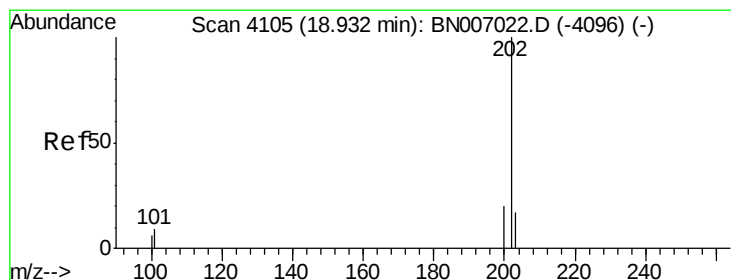
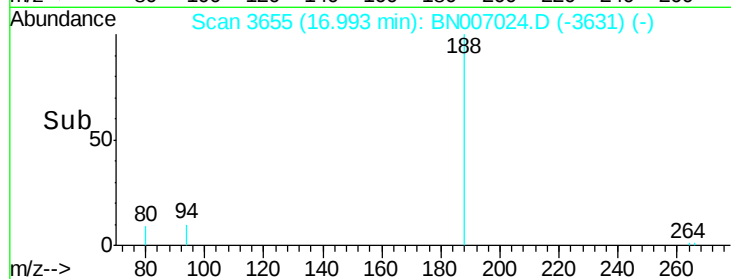
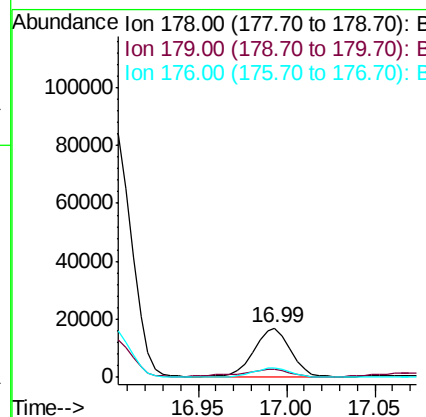
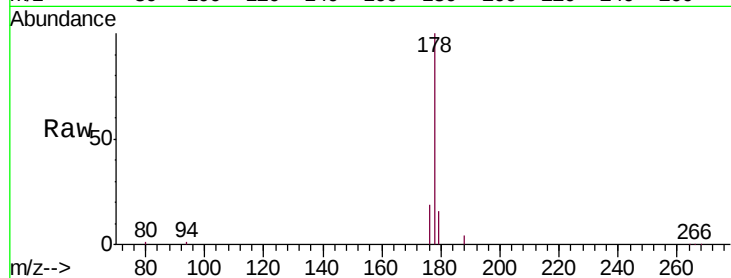
ClientSampleId :

BEP04DL

Tgt Ion:	178	Resp:	23725
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.6	18.8
176	19.3	15.4	23.0

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#15

Fluoranthene

Concen: 0.971 ng/ul

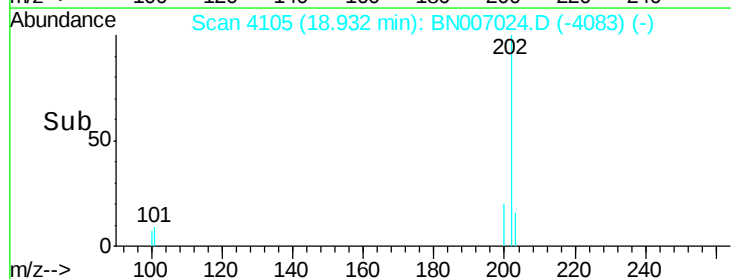
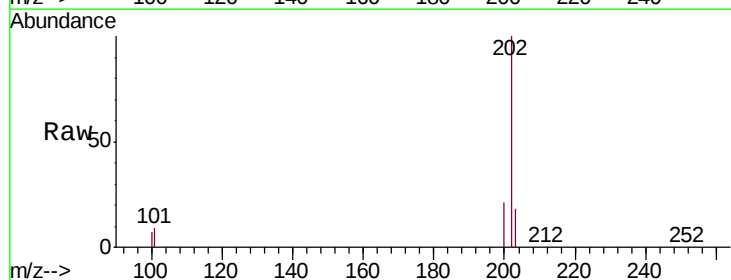
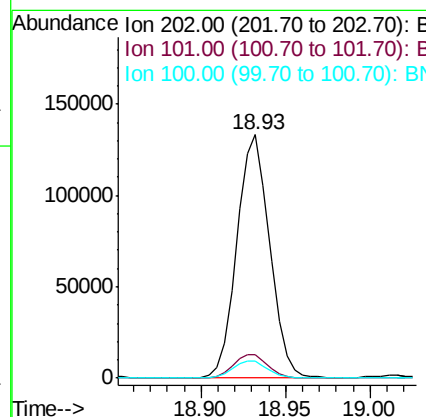
RT: 18.93 min Scan# 4105

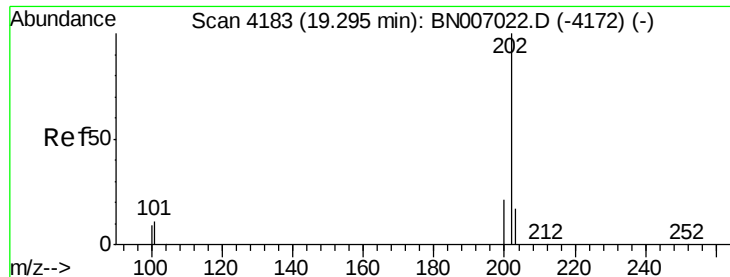
Delta R.T. 0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Tgt Ion:	202	Resp:	177721
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	30.0
100	6.8	0.0	27.7





#17

Pyrene

Concen: 1.480 ng/ul

RT: 19.29 min Scan# 4183

Delta R.T. -0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Instrument :

BNA_N

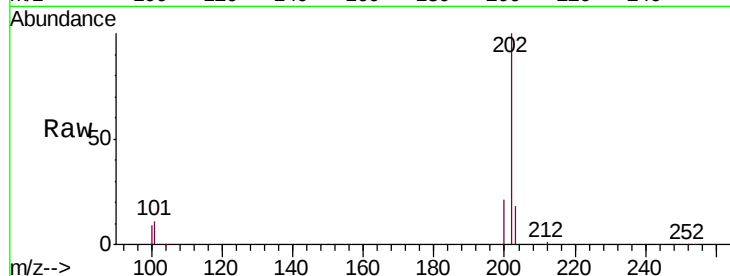
ClientSampleId :

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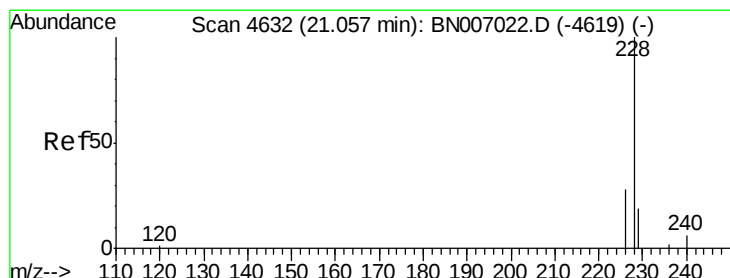
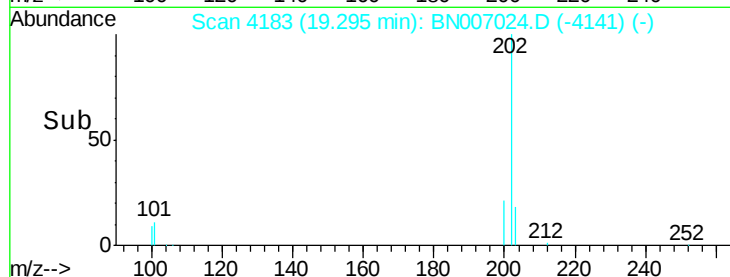
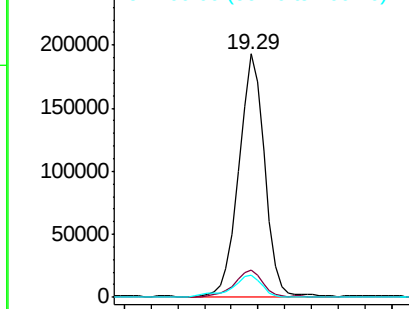
Tgt Ion:	202	Resp:	257154
Ion Ratio	Lower	Upper	
202	100		
101	11.4	9.3	13.9
100	8.9	7.3	10.9

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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: 0.784 ng/ul

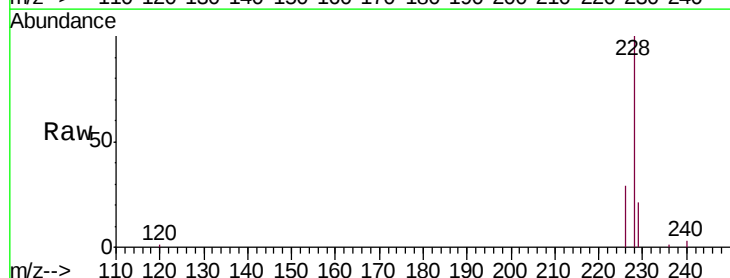
RT: 21.06 min Scan# 4634

Delta R.T. -0.00 min

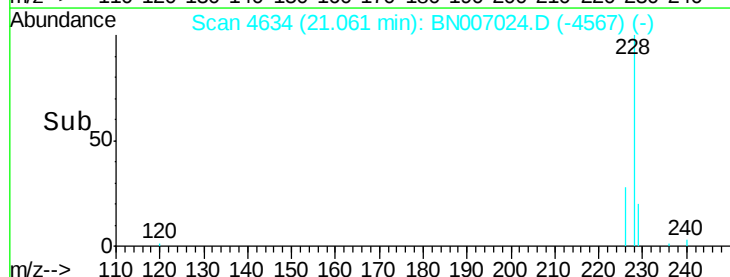
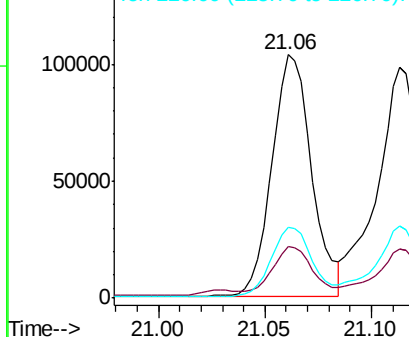
Lab File: BN007024.D

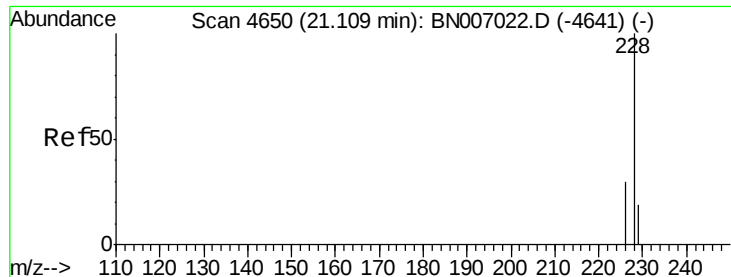
Acq: 08 Aug 2019 14:15

Tgt Ion:	228	Resp:	134049
Ion Ratio	Lower	Upper	
228	100		
229	21.1	15.9	23.9
226	29.0	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: 0.861 ng/ul

RT: 21.11 min Scan# 4652

Delta R.T. -0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Instrument :

BNA_N

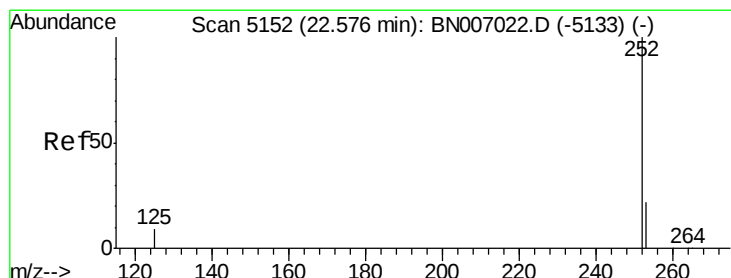
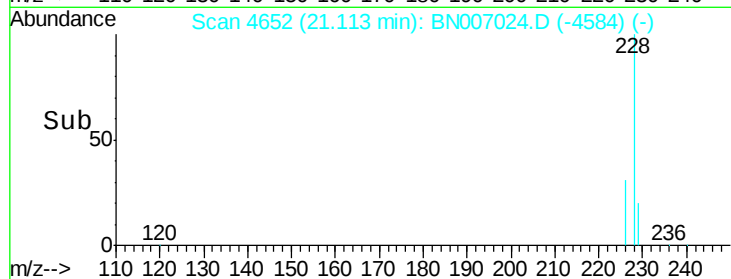
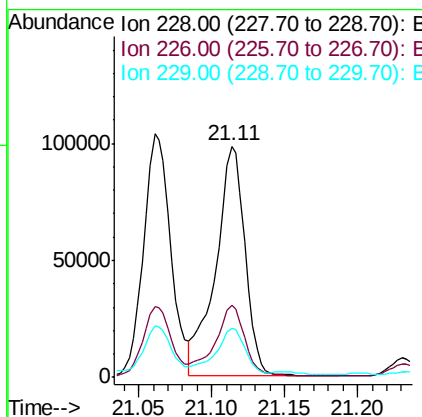
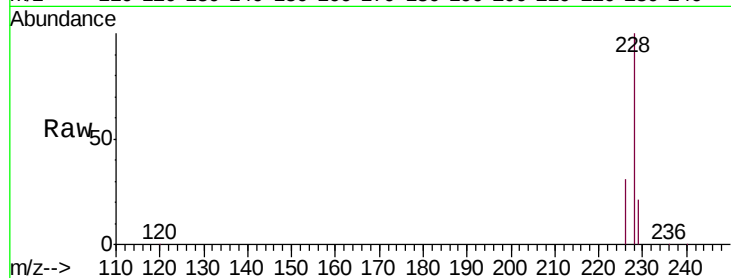
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Tgt Ion:	228	Resp:	137923
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.7	37.1
229	21.1	15.5	23.3

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#21

Benzo(b)fluoranthene

Concen: 0.678 ng/ul m

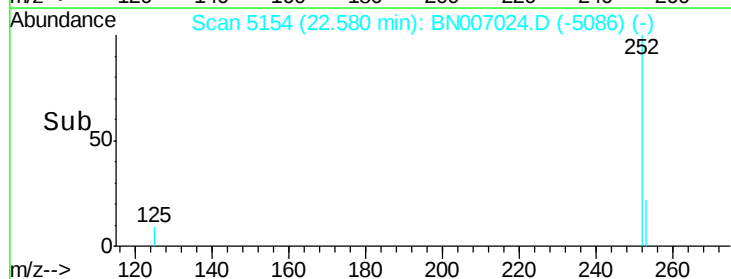
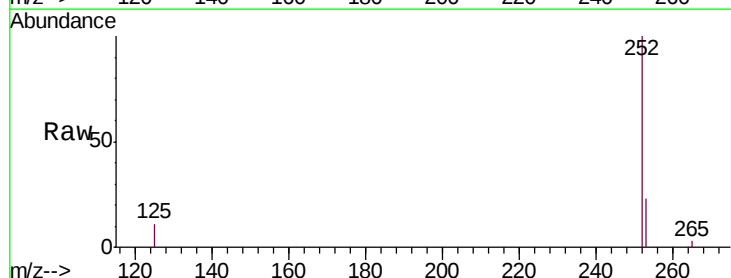
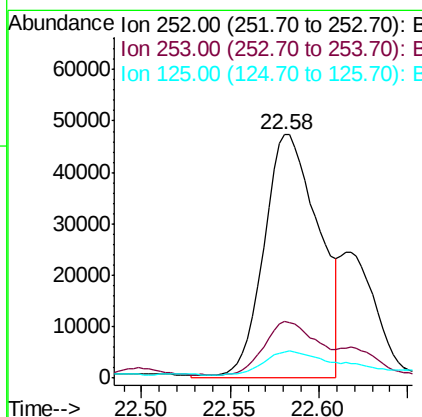
RT: 22.58 min Scan# 5154

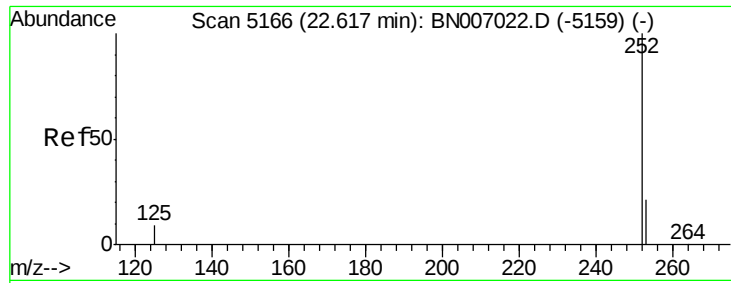
Delta R.T. 0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Tgt Ion:	252	Resp:	102330
Ion Ratio	Lower	Upper	
252	100		
253	23.2	0.0	45.2
125	10.8	0.0	22.2





#22

Benzo(k)fluoranthene

Concen: 0.248 ng/ul m

RT: 22.62 min Scan# 5167

Delta R.T. -0.01 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Instrument :

BNA_N

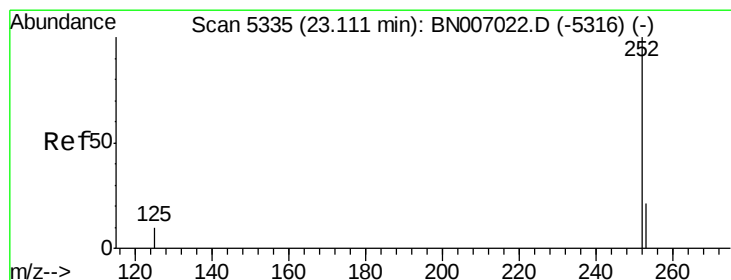
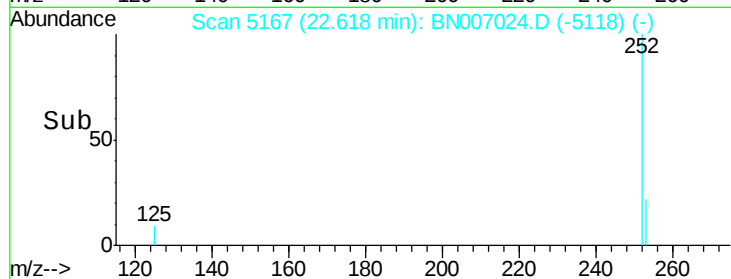
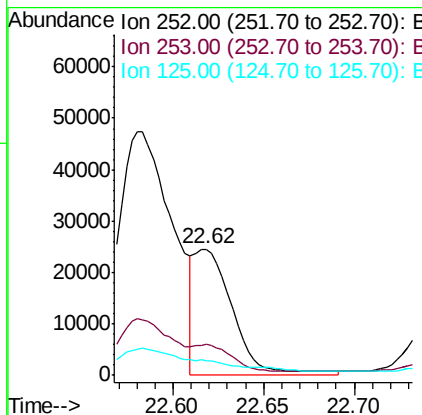
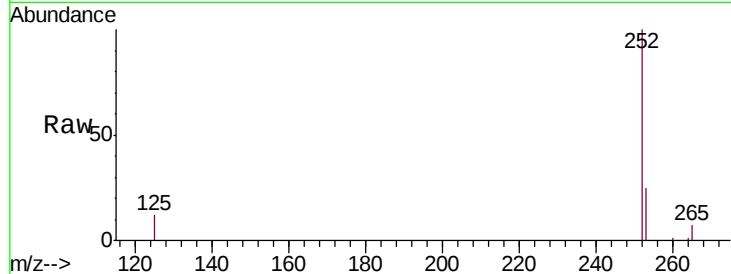
ClientSampleId :

BEP04DL

Tgt Ion:	252	Resp:	36298
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.6	28.0
125	11.6	8.7	13.1

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#23

Benzo(a)pyrene

Concen: 0.600 ng/ul

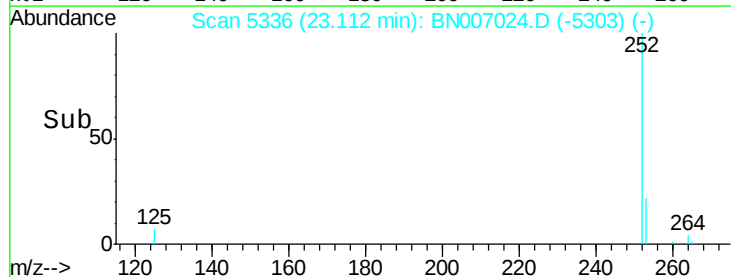
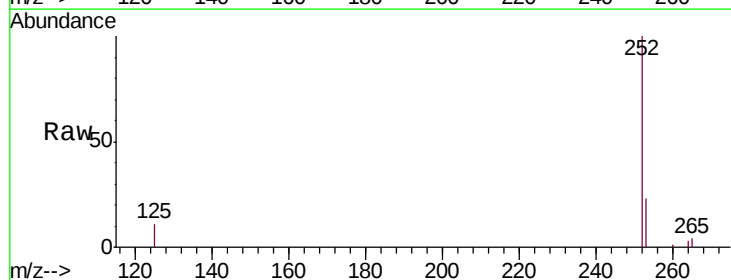
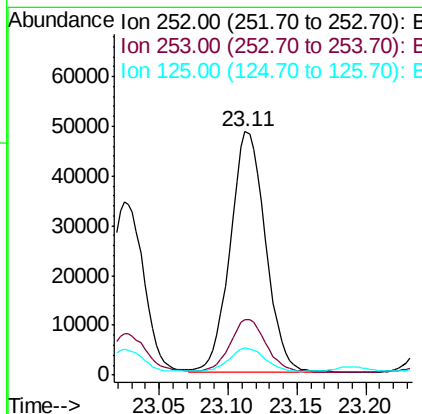
RT: 23.11 min Scan# 5336

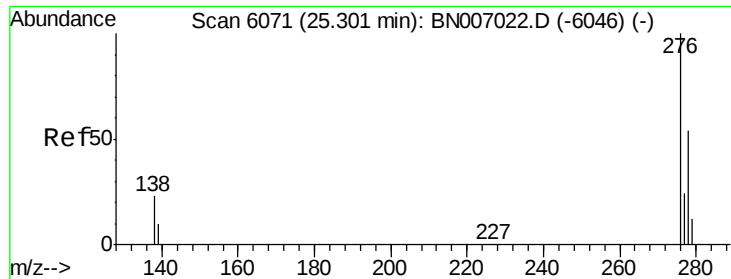
Delta R.T. -0.00 min

Lab File: BN007024.D

Acq: 08 Aug 2019 14:15

Tgt Ion:	252	Resp:	85245
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	11.2	10.0	15.0





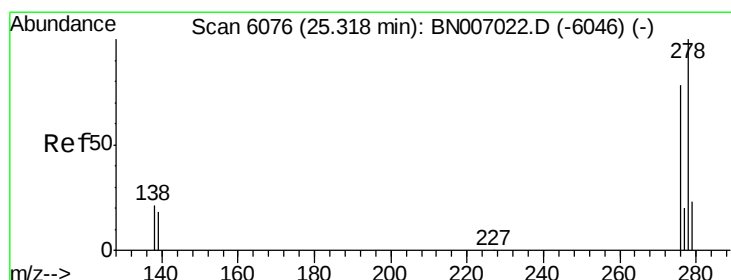
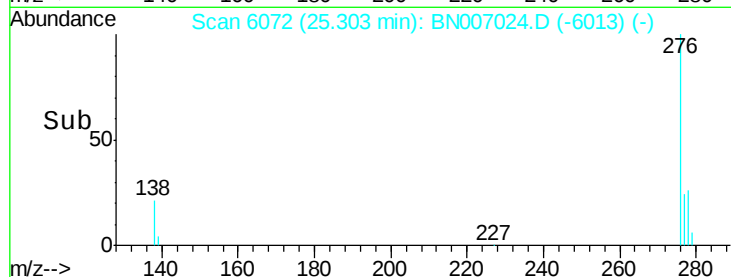
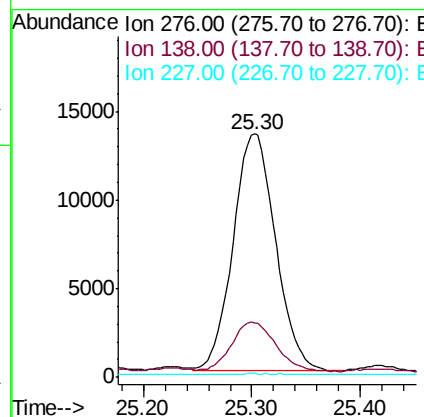
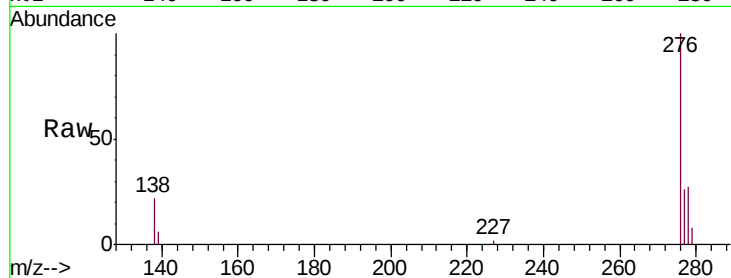
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.237 ng/u1
 RT: 25.30 min Scan# 6072
 Delta R.T. -0.00 min
 Lab File: BN007024.D
 Acq: 08 Aug 2019 14:15

Instrument :
 BNA_N
 ClientSampleId :
 BEP04DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.0	19.9	29.9
227	0.1	0.2	0.4

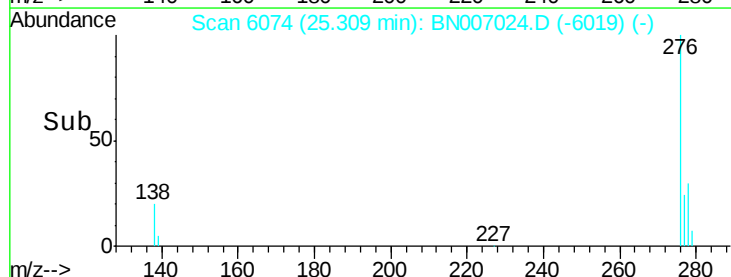
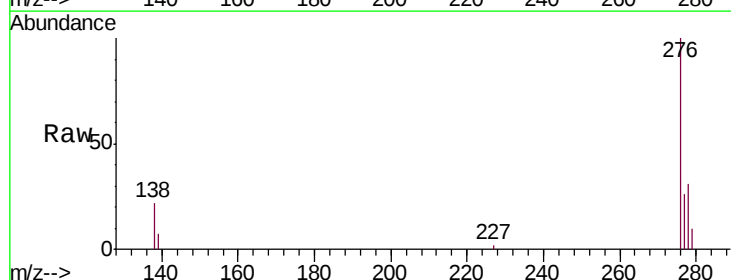
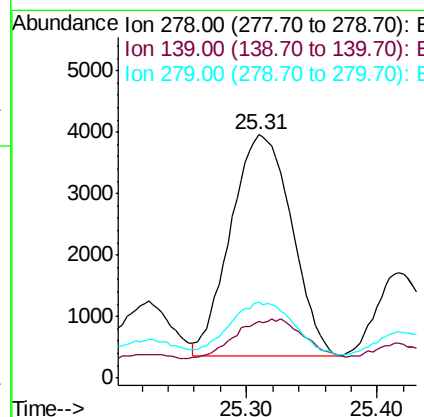
Manual Integrations
 APPROVED

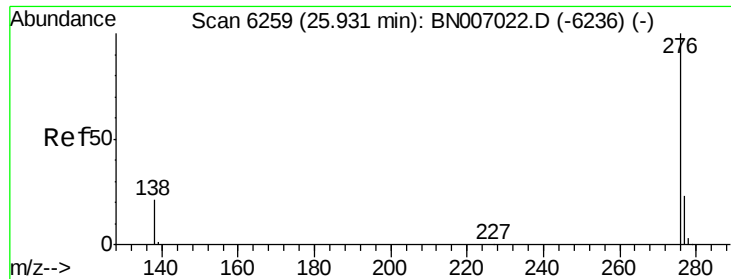
mohammad
 8/9/2019 6:16:53 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.095 ng/u1
 RT: 25.31 min Scan# 6074
 Delta R.T. -0.02 min
 Lab File: BN007024.D
 Acq: 08 Aug 2019 14:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	23.4	14.3	21.5
279	31.4	19.6	29.4





#26

Benzo(g,h,i)perylene

Concen: 0.309 ng/ul

RT: 25.93 min Scan# 6260

Delta R.T. -0.00 min

Lab File: BN007024.D

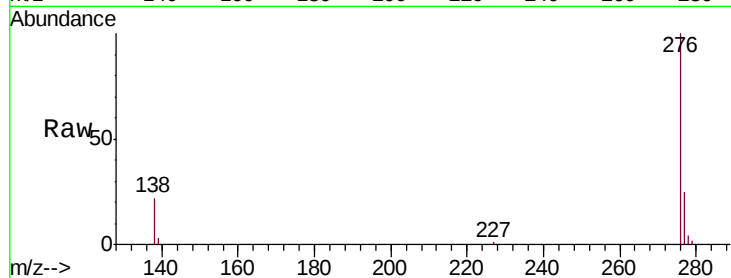
Acq: 08 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

BEP04DL



Tgt	Ion	276	Resp:	39716
Ion	Ratio	100	Lower	Upper
276	100			
138	22.2	18.7	28.1	
277	24.8	19.3	28.9	

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:53 AM

