

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121718\
 Data File : BN004037.D
 Acq On : 17 Dec 2018 16:03
 Operator : JU/SJ
 Sample : J6229-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9F02DL

Manual Integrations
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 12/18/2018 5:55:55 PM

Quant Time: Dec 18 04:47:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 04:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1340	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	6898	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	4143	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	10526	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	12512	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	12646	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	669	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	2176	0.07	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.68	128	587	0.030	ng/ul#	64
5) 2-Methylnaphthalene	12.29	142	518	0.038	ng/ul	96
7) Acenaphthylene	14.19	152	16787	0.900	ng/ul	100
8) Acenaphthene	14.53	153	633	0.039	ng/ul#	93
9) Fluorene	15.54	166	1646	0.086	ng/ul#	52
12) Phenanthrene	17.26	178	45937	1.330	ng/ul	100
13) Anthracene	17.35	178	15015	0.529	ng/ul	98
15) Fluoranthene	19.28	202	201935	4.950	ng/ul	98
17) Pyrene	19.64	202	214137	4.772	ng/ul	96
18) Benzo(a)anthracene	21.39	228	136288	3.449	ng/ul	97
19) Chrysene	21.44	228	157570	3.484	ng/ul	97
21) Benzo(b)fluoranthene	23.02	252	187994m	3.594	ng/ul	
22) Benzo(k)fluoranthene	23.07	252	61581m	1.208	ng/ul	
23) Benzo(a)pyrene	23.62	252	113546	2.507	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	26.09	276	78572	1.513	ng/ul	96
25) Dibenzo(a,h)anthracene	26.09	278	23679	0.566	ng/ul#	89
26) Benzo(g,h,i)perylene	26.82	276	72534	1.607	ng/ul	98

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

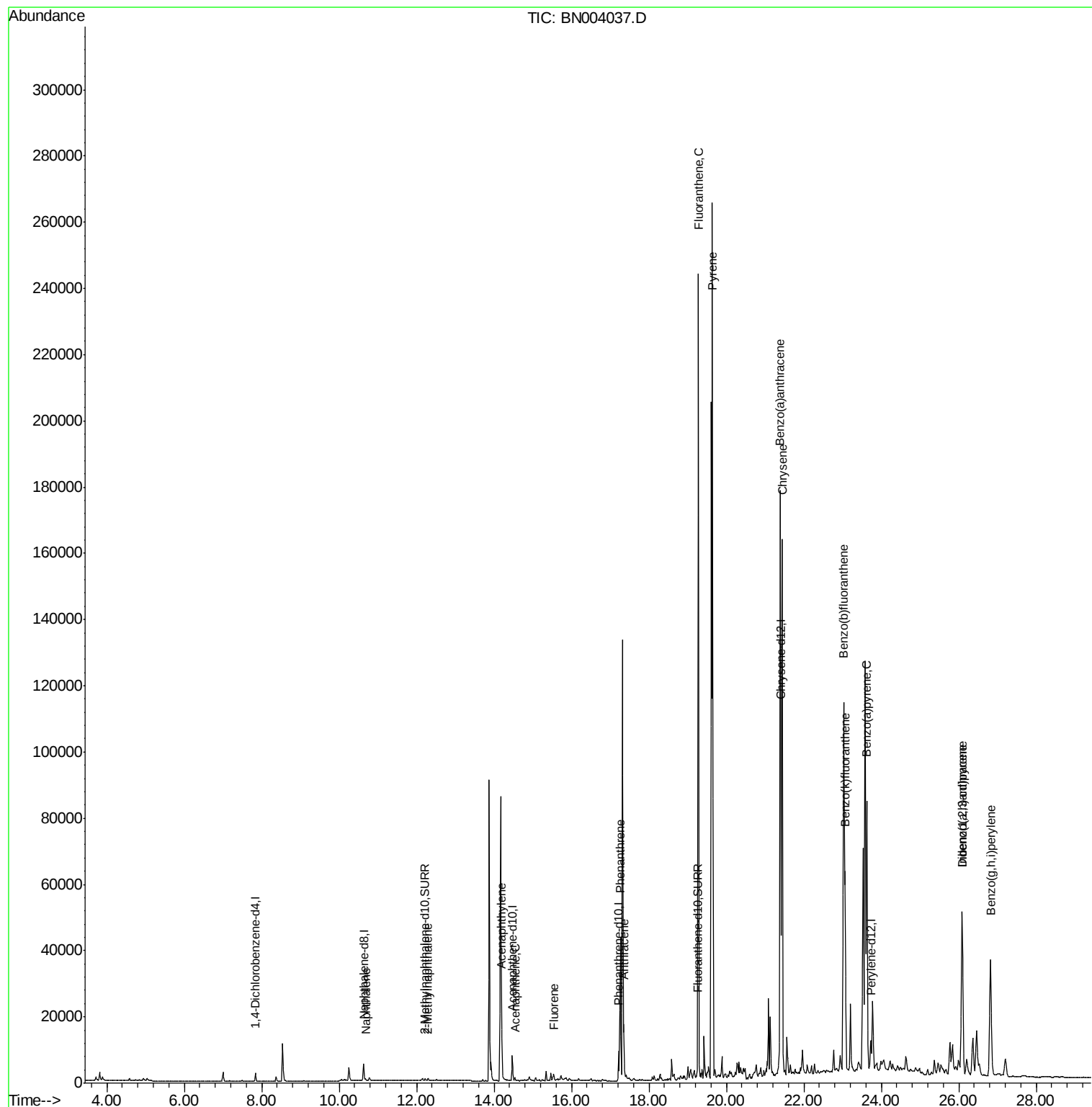
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121718\
Data File : BN004037.D
Acq On : 17 Dec 2018 16:03
Operator : JU/SJ
Sample : J6229-04DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

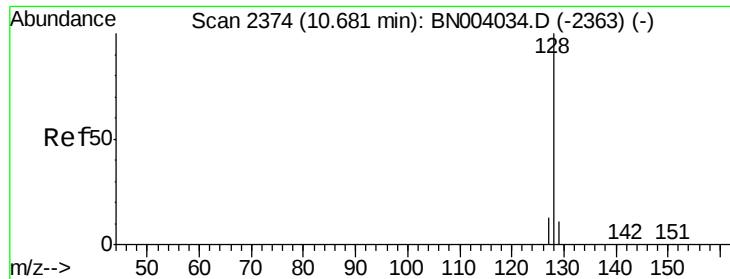
Instrument :
BNA_N
ClientSampleId :
F9F02DL

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Quant Time: Dec 18 04:47:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN11918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 04:29:07 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.030 ng/ul

RT: 10.68 min Scan# 2374

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

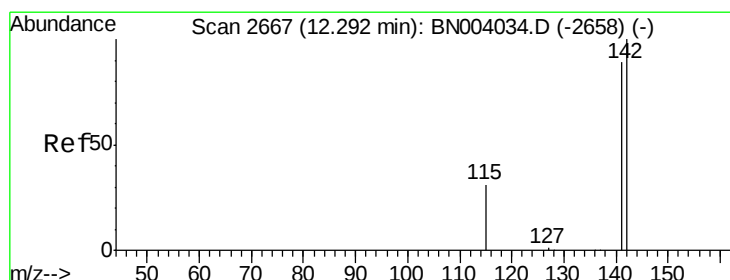
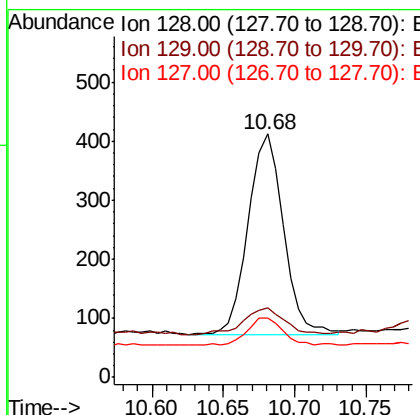
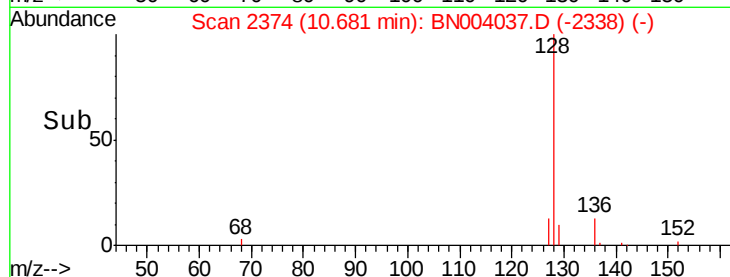
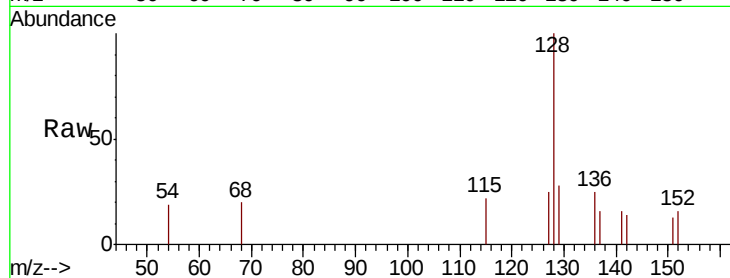
ClientSampled :

F9F02DL

Tgt Ion:	128	Resp:	587
Ion Ratio	Lower	Upper	
128	100		
129	28.4	9.0	13.6#
127	24.5	10.5	15.7#

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#5

2-Methylnaphthalene

Concen: 0.038 ng/ul

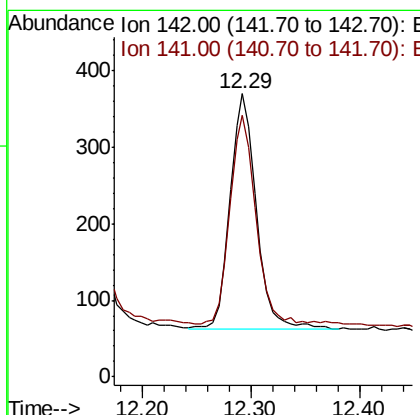
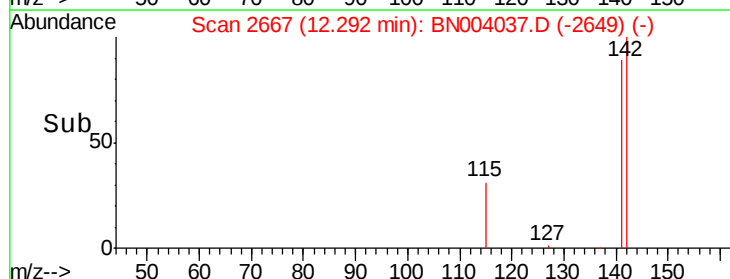
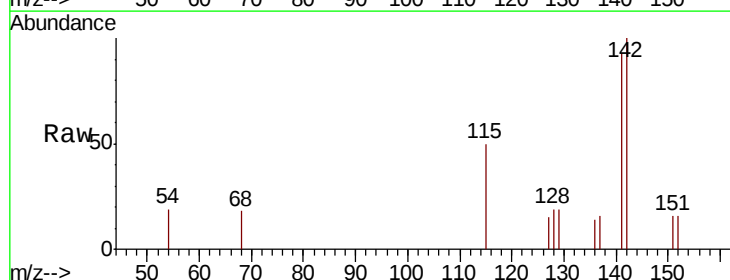
RT: 12.29 min Scan# 2667

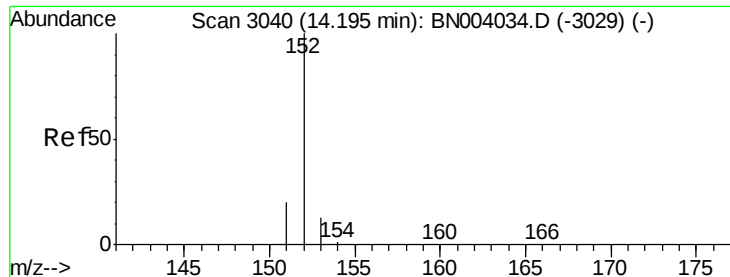
Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Tgt Ion:	142	Resp:	518
Ion Ratio	Lower	Upper	
142	100		
141	93.4	71.5	107.3





#7

Acenaphthylene

Concen: 0.900 ng/u1

RT: 14.19 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

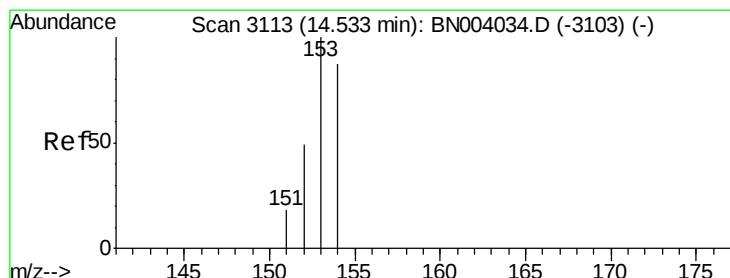
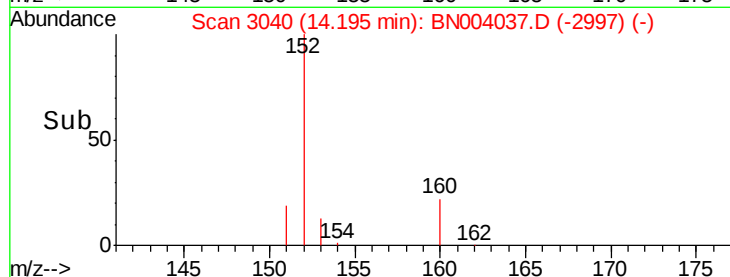
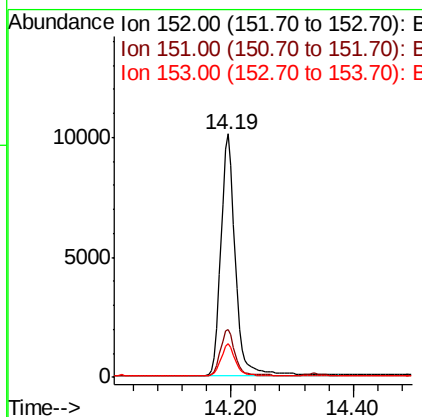
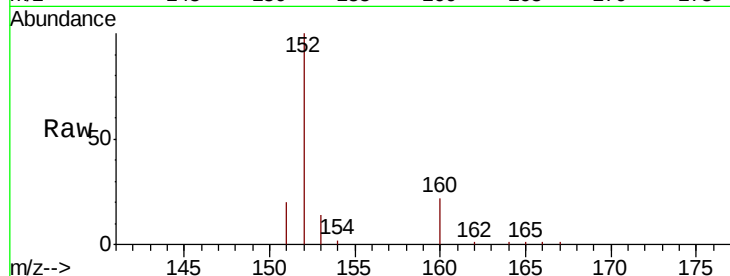
ClientSampleId :

F9F02DL

Tgt Ion:	152	Resp:	16787
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.9	23.9
153	13.7	10.7	16.1

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#8

Acenaphthene

Concen: 0.039 ng/u1

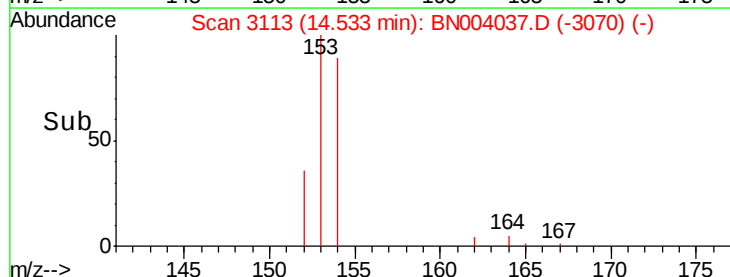
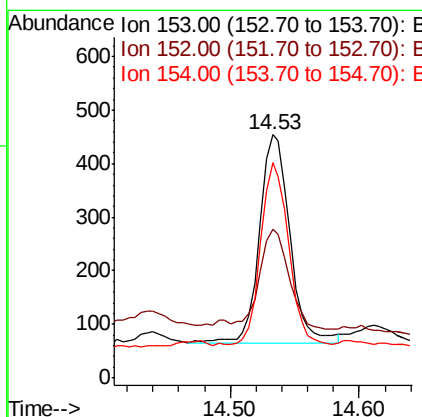
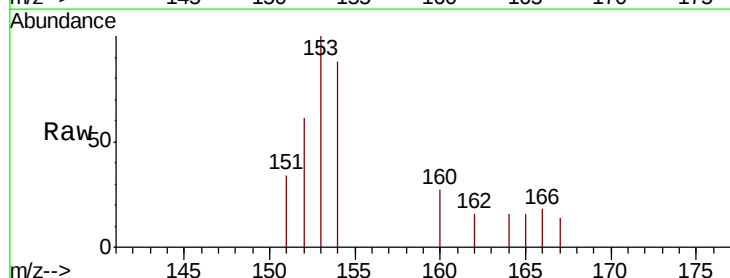
RT: 14.53 min Scan# 3113

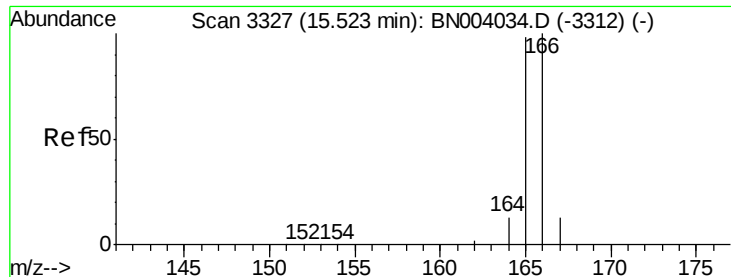
Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Tgt Ion:	153	Resp:	633
Ion Ratio	Lower	Upper	
153	100		
152	61.0	39.3	58.9#
154	88.3	70.3	105.5





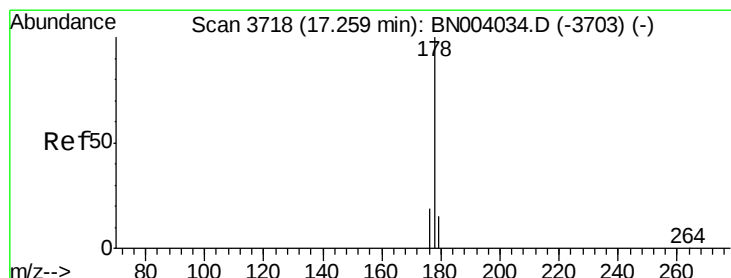
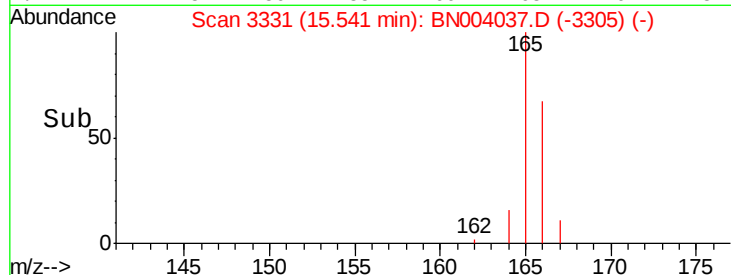
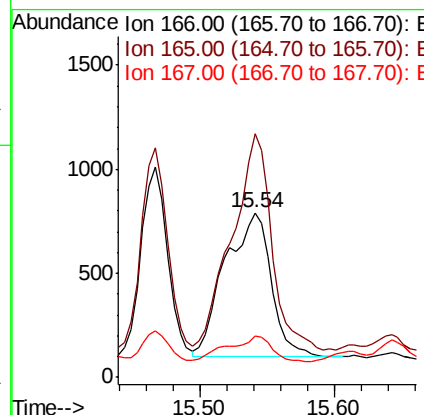
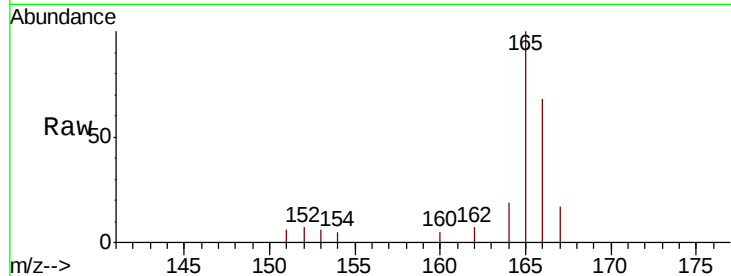
#9
Fluorene
 Concen: 0.086 ng/ul
 RT: 15.54 min Scan# 3331
 Delta R.T. 0.02 min
 Lab File: BN004037.D
 Acq: 17 Dec 2018 16:03

Instrument :
 BNA_N
 ClientSampleId :
 F9F02DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	147.7	78.3	117.5#
167	25.3	11.3	16.9#

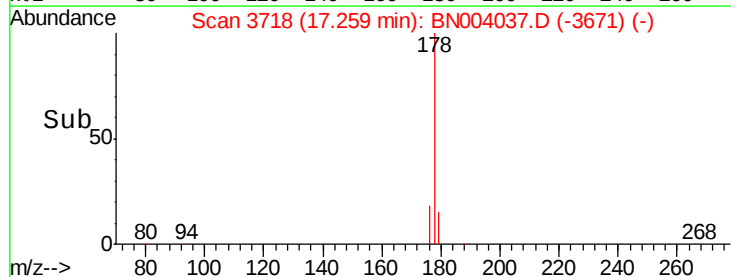
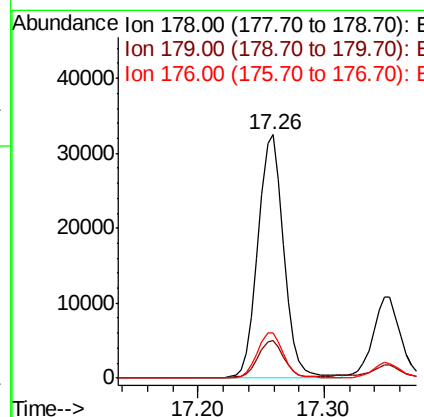
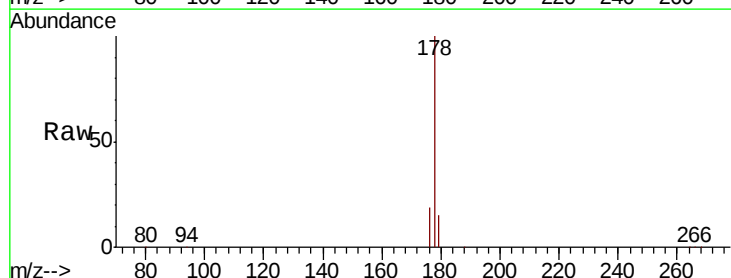
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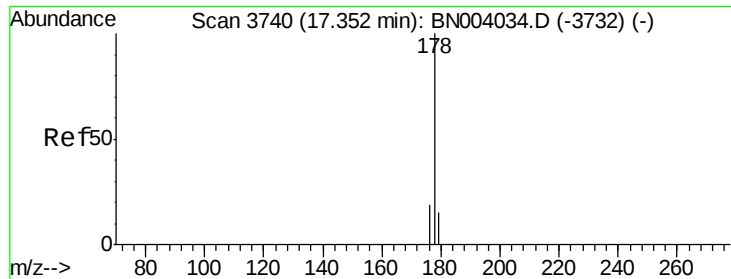
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#12
Phenanthrene
 Concen: 1.330 ng/ul
 RT: 17.26 min Scan# 3718
 Delta R.T. 0.00 min
 Lab File: BN004037.D
 Acq: 17 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7
176	18.7	15.0	22.4





#13

Anthracene

Concen: 0.529 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

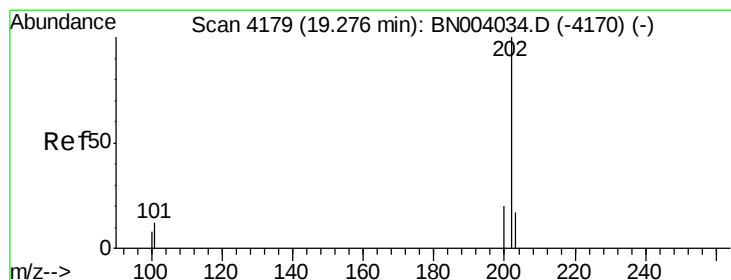
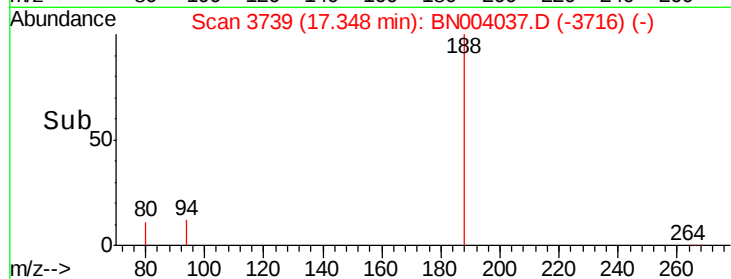
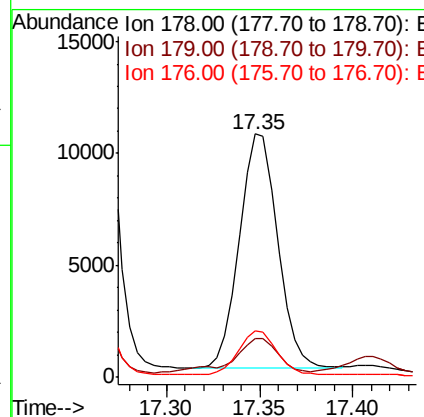
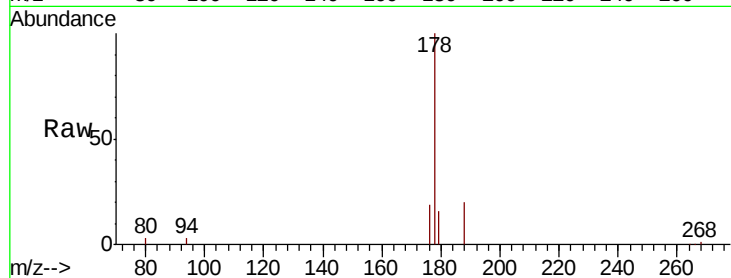
ClientSampleId :

F9F02DL

Tgt Ion:	178	Resp:	15015
Ion Ratio		Lower	Upper
178	100		
179	16.1	12.3	18.5
176	19.2	14.8	22.2

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#15

Fluoranthene

Concen: 4.950 ng/ul

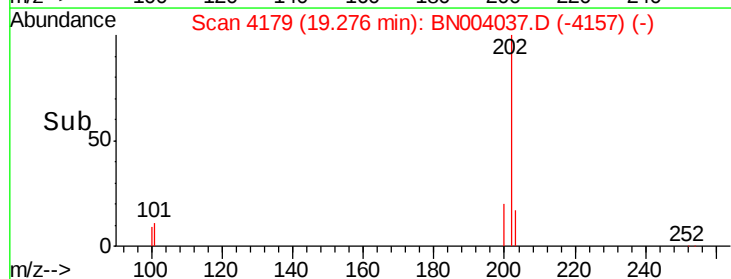
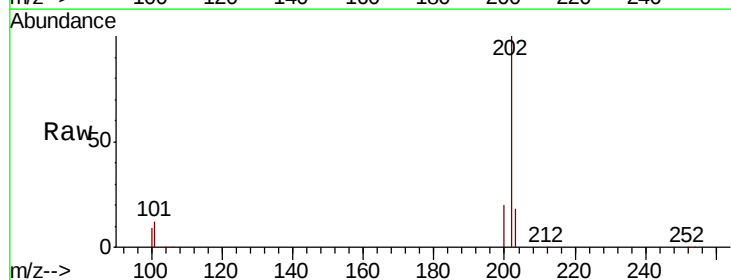
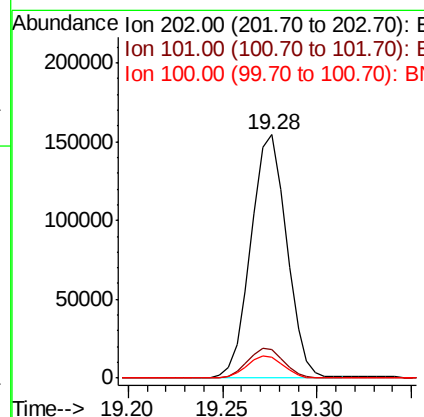
RT: 19.28 min Scan# 4179

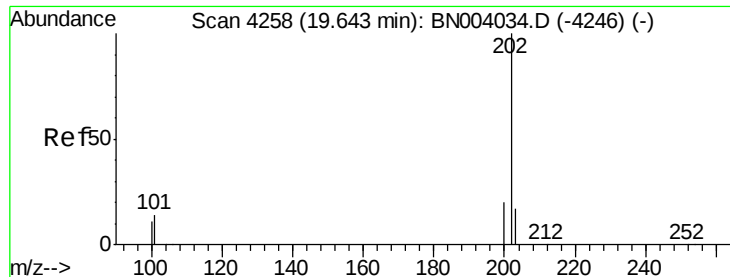
Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Tgt Ion:	202	Resp:	201935
Ion Ratio		Lower	Upper
202	100		
101	11.7	0.0	30.7
100	8.7	0.0	28.1





#17

Pyrene

Concen: 4.772 ng/ul

RT: 19.64 min Scan# 4257

Delta R.T. -0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

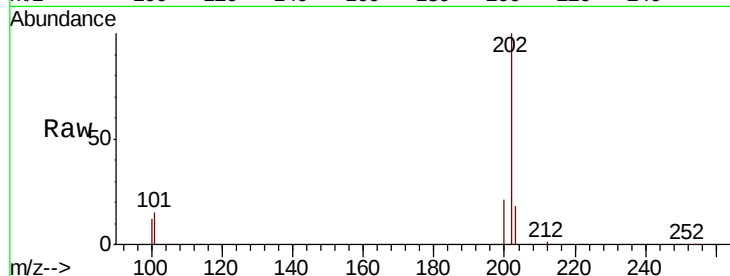
ClientSampleId :

F9F02DL

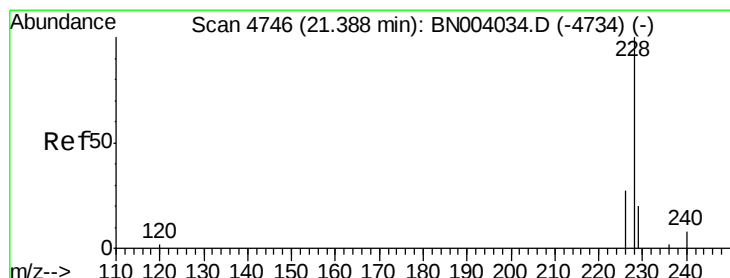
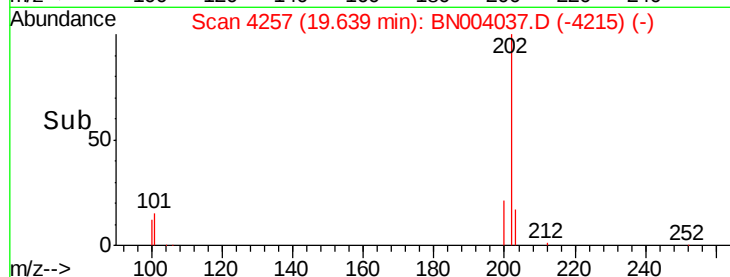
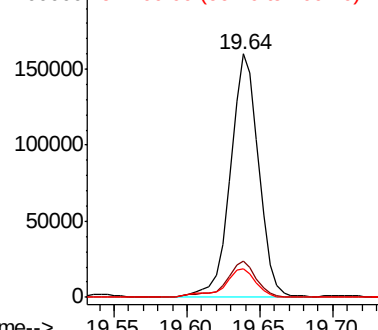
Tgt Ion:	202	Resp:	214137
Ion Ratio	Lower	Upper	
202	100		
101	14.6	10.3	15.5
100	11.7	8.5	12.7

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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



#18

Benzo(a)anthracene

Concen: 3.449 ng/ul

RT: 21.39 min Scan# 4746

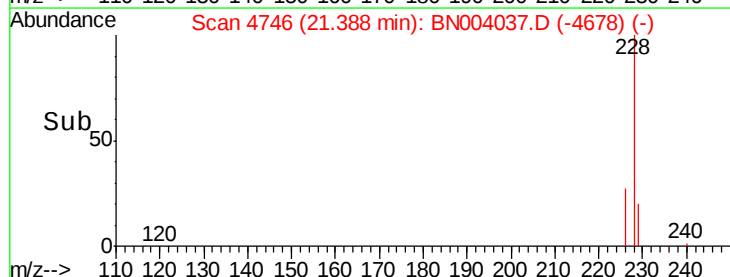
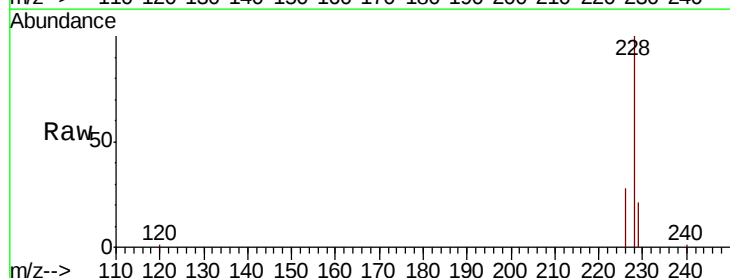
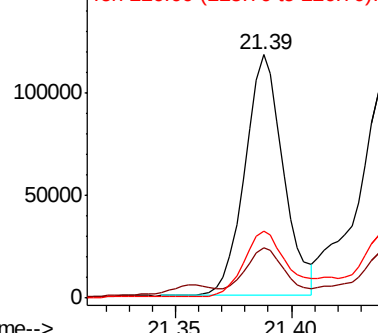
Delta R.T. 0.00 min

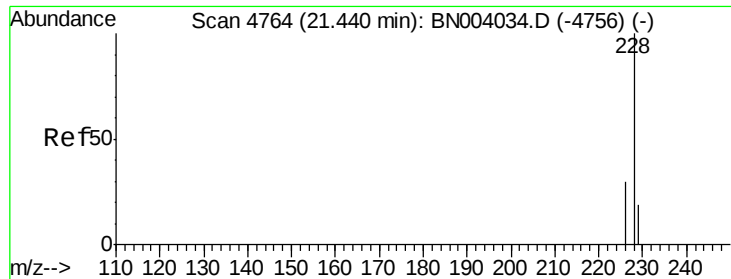
Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Tgt Ion:	228	Resp:	136288
Ion Ratio	Lower	Upper	
228	100		
229	20.7	15.6	23.4
226	27.7	21.1	31.7

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: 3.484 ng/ul

RT: 21.44 min Scan# 4764

Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

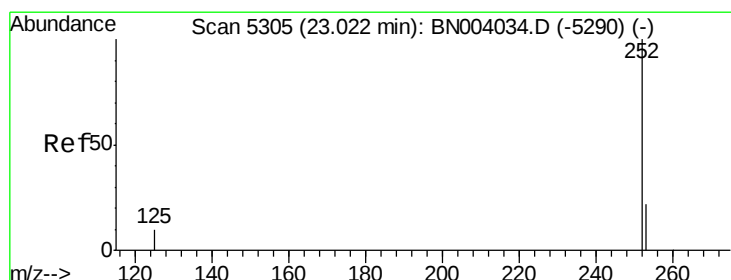
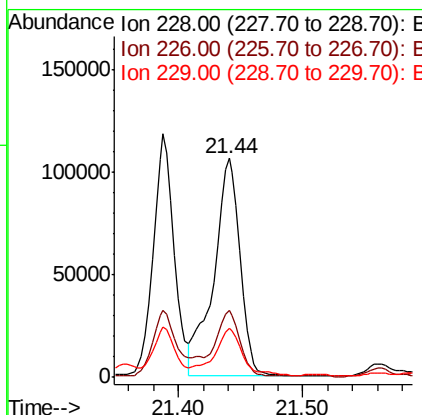
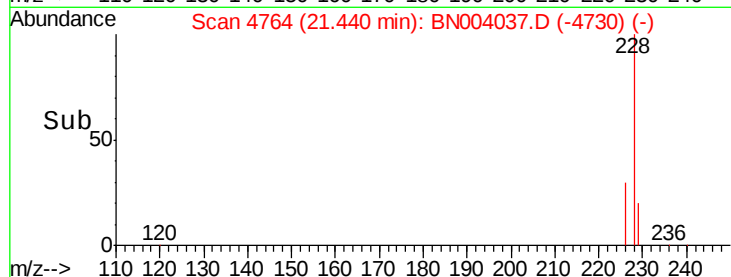
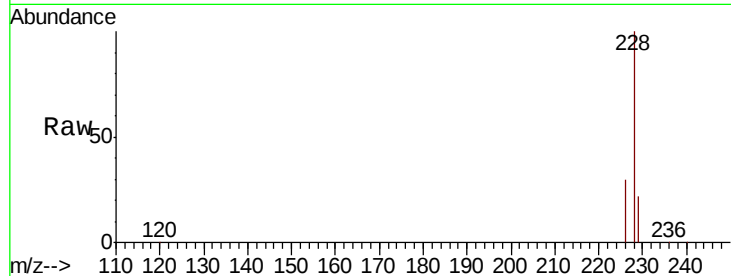
ClientSampleId :

F9F02DL

Tgt Ion:	228	Resp:	157570
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.0	36.0
229	22.2	15.7	23.5

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#21

Benzo(b)fluoranthene

Concen: 3.594 ng/ul m

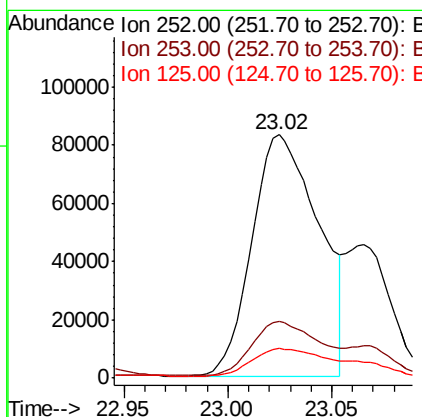
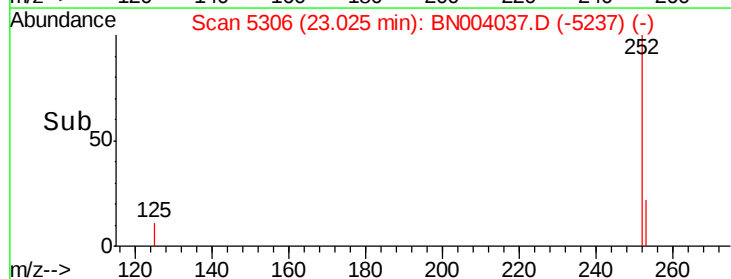
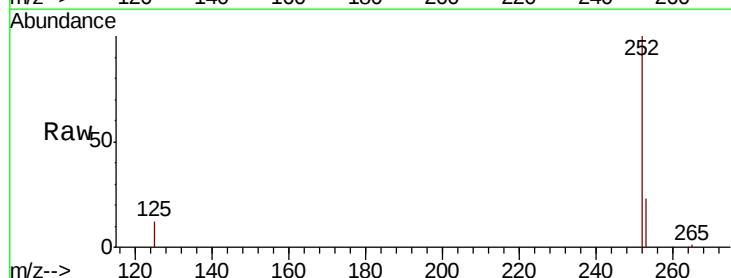
RT: 23.02 min Scan# 5306

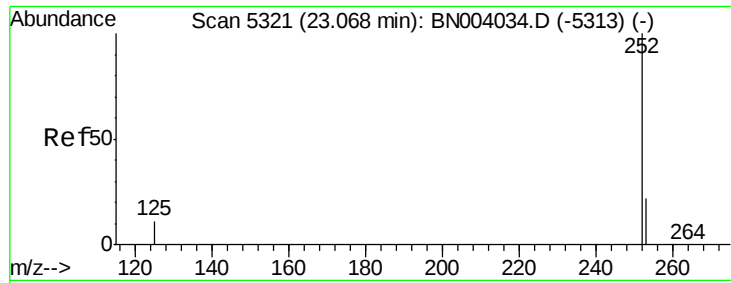
Delta R.T. 0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Tgt Ion:	252	Resp:	187994
Ion Ratio	Lower	Upper	
252	100		
253	23.3	0.0	46.0
125	12.1	0.0	22.4





#22

Benzo(k)fluoranthene

Concen: 1.208 ng/ul m

RT: 23.07 min Scan# 5320

Delta R.T. -0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Instrument :

BNA_N

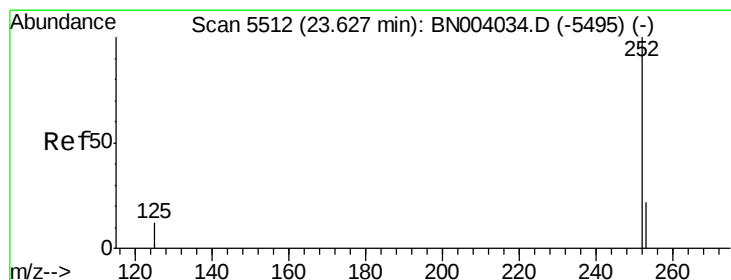
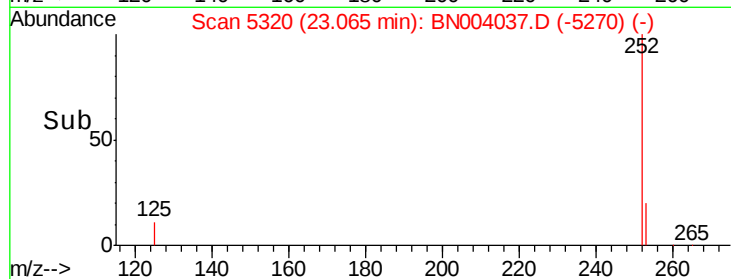
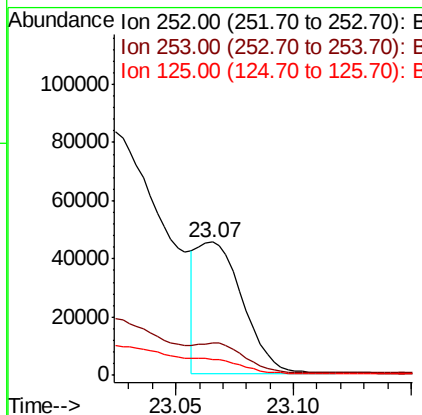
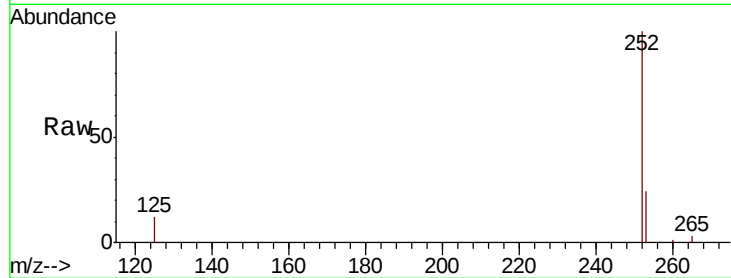
ClientSampleId :

F9F02DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	12.2	9.0	13.6

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#23

Benzo(a)pyrene

Concen: 2.507 ng/ul

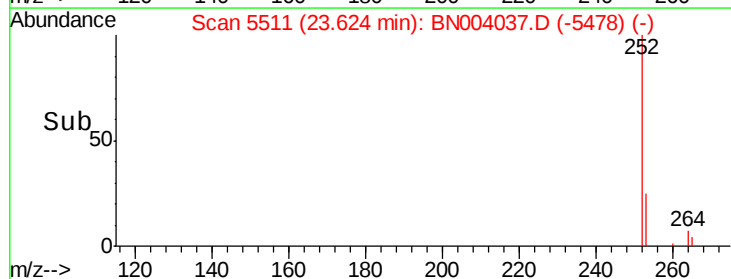
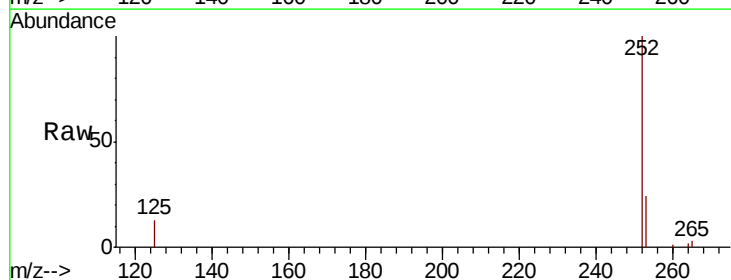
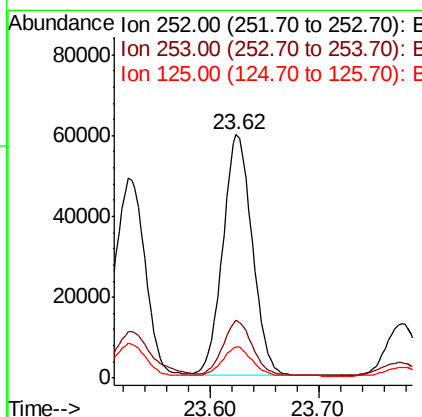
RT: 23.62 min Scan# 5511

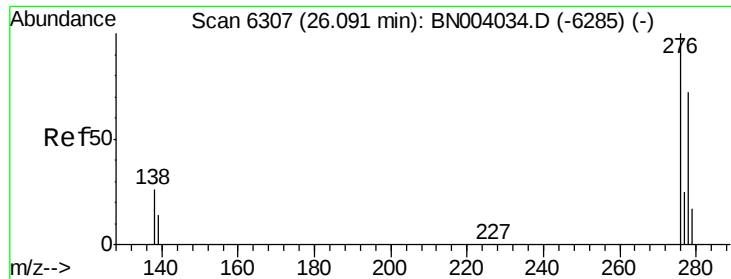
Delta R.T. -0.00 min

Lab File: BN004037.D

Acq: 17 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.4
125	12.9	10.2	15.4





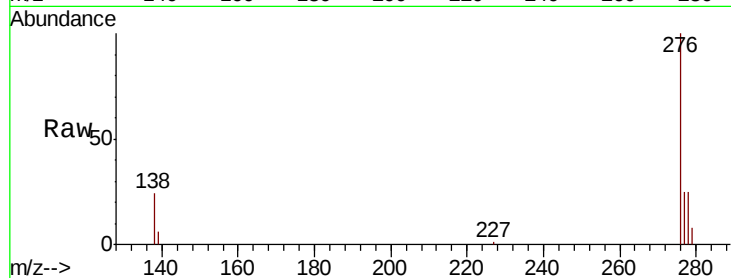
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.513 ng/ul
 RT: 26.09 min Scan# 6306
 Delta R.T. -0.00 min
 Lab File: BN004037.D
 Acq: 17 Dec 2018 16:03

Instrument :
 BNA_N
 ClientSampleId :
 F9F02DL

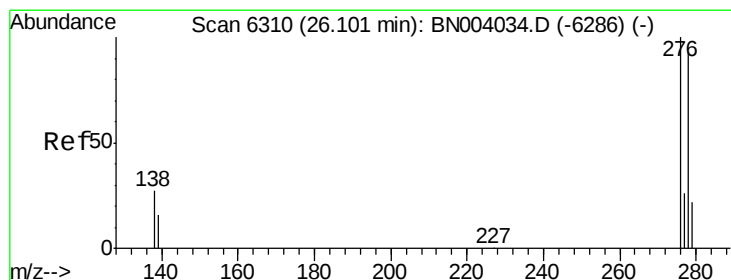
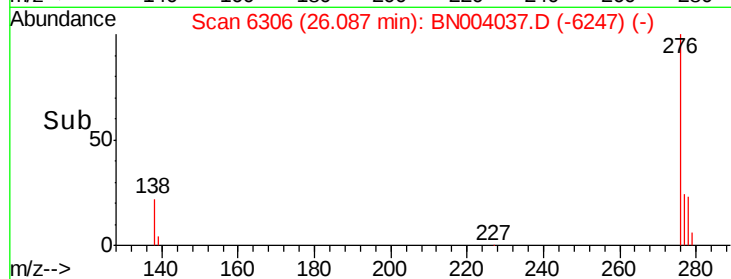
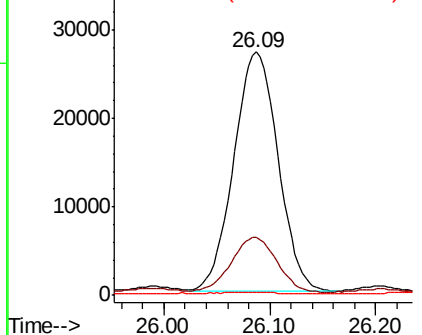
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.3	30.5
227	0.2	0.2	0.2

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:55:55 PM



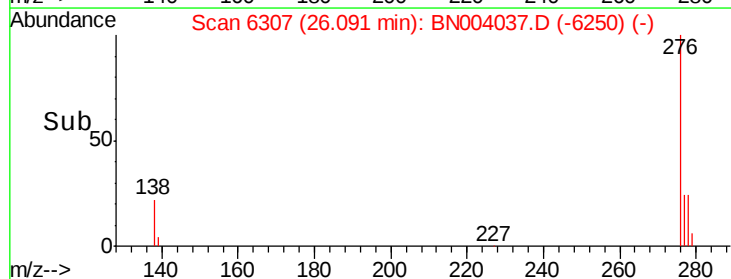
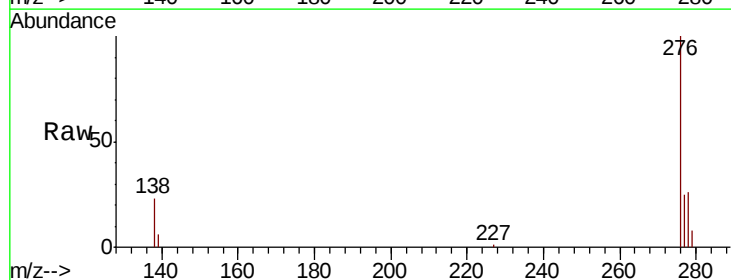
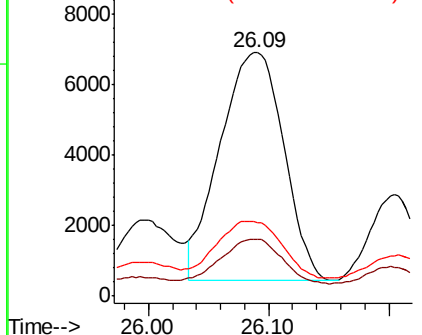
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

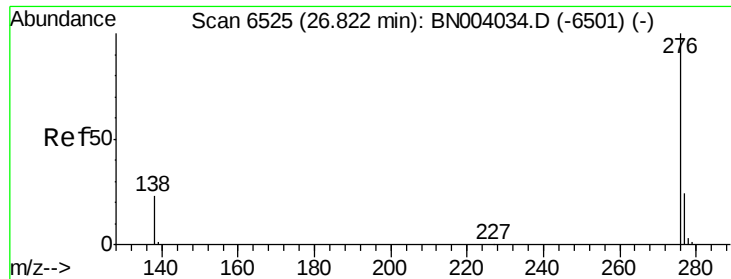


#25
 Dibenzo(a,h)anthracene
 Concen: 0.566 ng/ul
 RT: 26.09 min Scan# 6307
 Delta R.T. -0.01 min
 Lab File: BN004037.D
 Acq: 17 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.3	14.2	21.4#
279	30.1	19.8	29.6#

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: 1.607 ng/ul
RT: 26.82 min Scan# 6524
Delta R.T. -0.00 min
Lab File: BN004037.D
Acq: 17 Dec 2018 16:03

Instrument :
BNA_N
ClientSampleId :
F9F02DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	17.7	26.5
277	24.7	19.3	28.9

Manual Integrations
APPROVED

Sohil
12/18/2018 5:55:55 PM

