

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
 Data File : BN008670.D
 Acq On : 20 Nov 2019 20:56
 Operator : JU
 Sample : K5851-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA6

Manual Integrations
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Quant Time: Nov 21 01:08:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 20 04:45:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3989	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	14594	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8509	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	17274	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	13663	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	13468	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	4370	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	10025	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	26208	0.596	ng/ul	99
5) 2-Methylnaphthalene	12.04	142	20575	0.670	ng/ul	100
7) Acenaphthylene	13.95	152	5880	0.125	ng/ul#	91
8) Acenaphthene	14.30	153	2110	0.060	ng/ul	95
9) Fluorene	15.29	166	4297	0.105	ng/ul#	88
12) Phenanthrene	17.02	178	58892	1.011	ng/ul	98
13) Anthracene	17.11	178	14275	0.259	ng/ul#	95
15) Fluoranthene	19.05	202	112190	1.568	ng/ul	95
17) Pyrene	19.41	202	124490	2.271	ng/ul	98
18) Benzo(a)anthracene	21.17	228	66324	1.207	ng/ul	95
19) Chrysene	21.22	228	99894	1.851	ng/ul	97
21) Benzo(b)fluoranthene	22.71	252	130316m	2.346	ng/ul	
22) Benzo(k)fluoranthene	22.75	252	33367m	0.606	ng/ul	
23) Benzo(a)pyrene	23.26	252	61454	1.179	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.49	276	59474	0.976	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.50	278	18283	0.371	ng/ul#	65
26) Benzo(a,h,i)perylene	26.14	276	63861	1.252	ng/ul	97

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

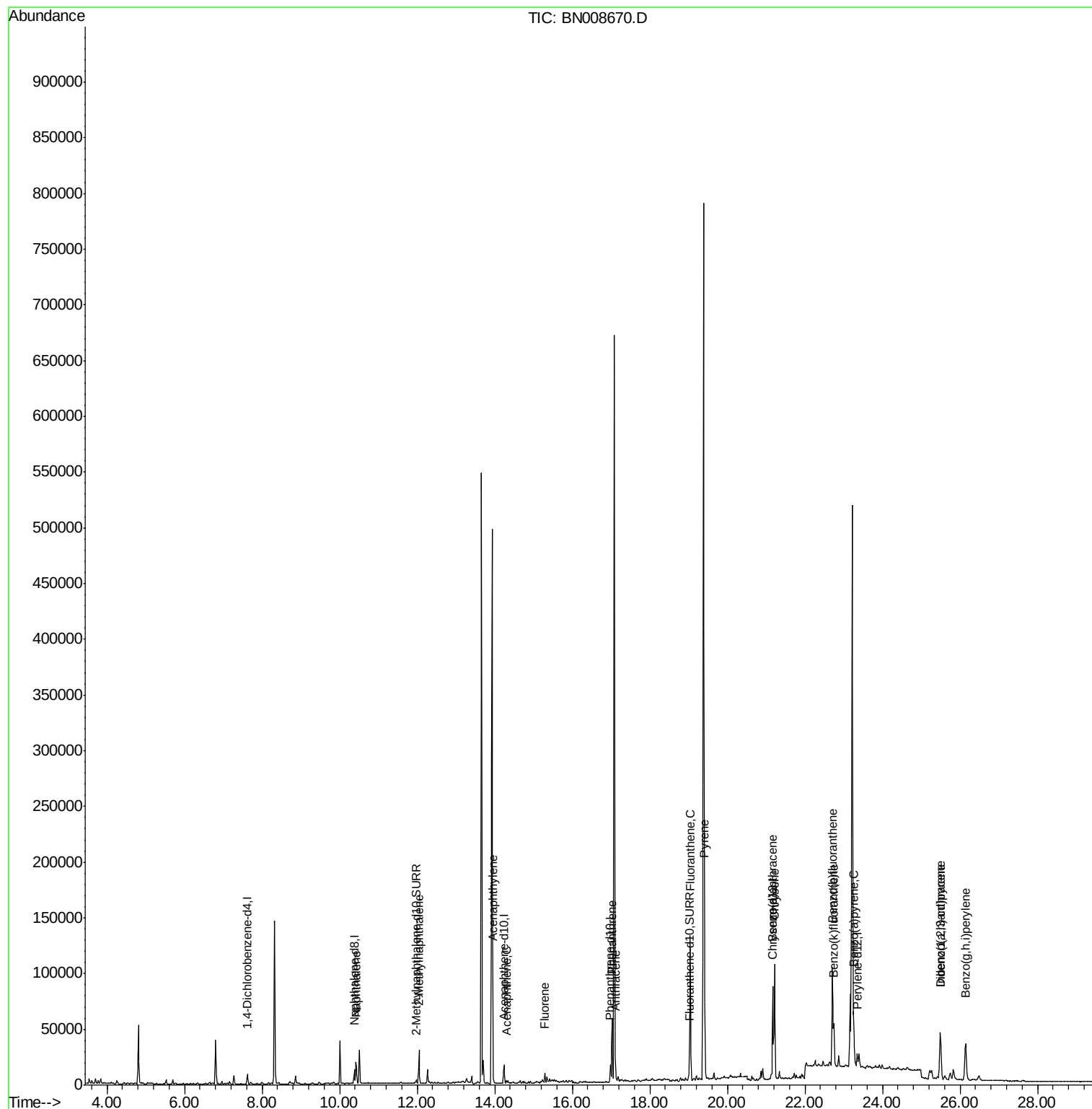
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
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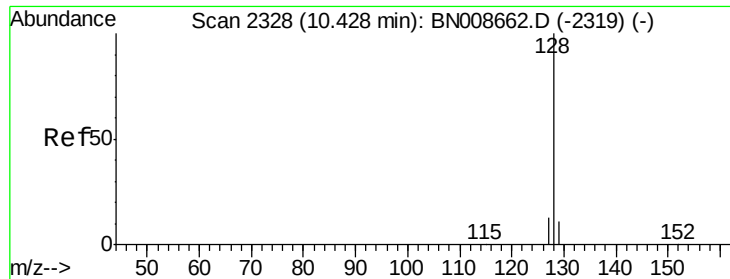
Instrument :
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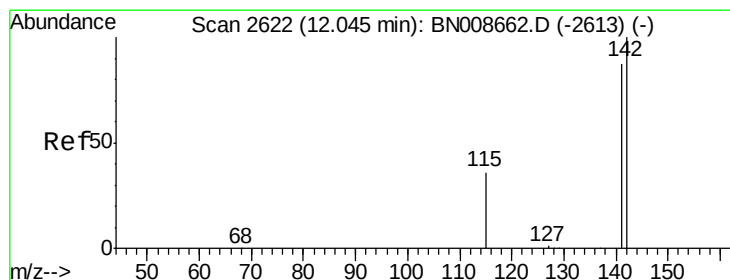
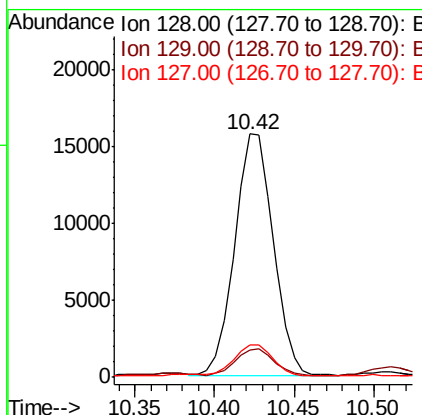
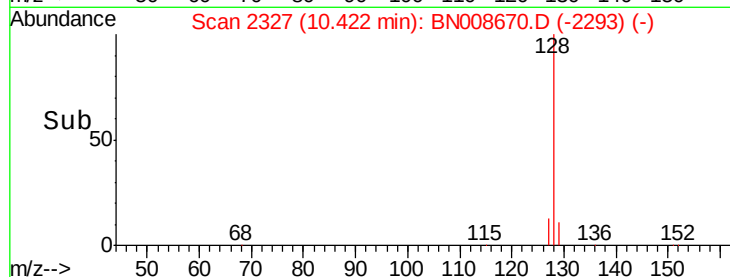
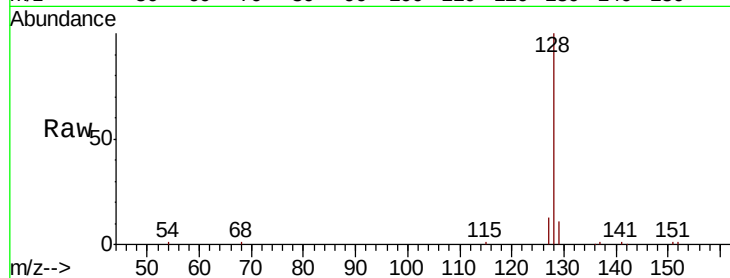
#3
Naphthalene
Concen: 0.596 ng/ul
RT: 10.42 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BN008670.D
Acq: 20 Nov 2019 20:56

Instrument :
BNA_N
ClientSampleId :
C0AA6

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.7	14.5
127	13.4	10.8	16.2

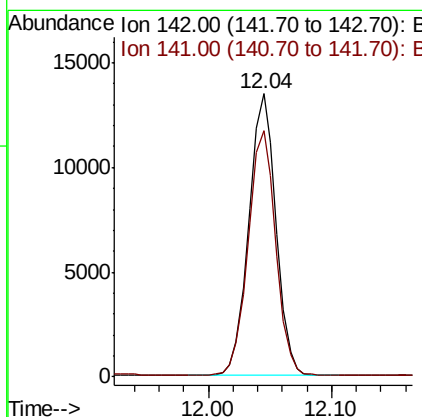
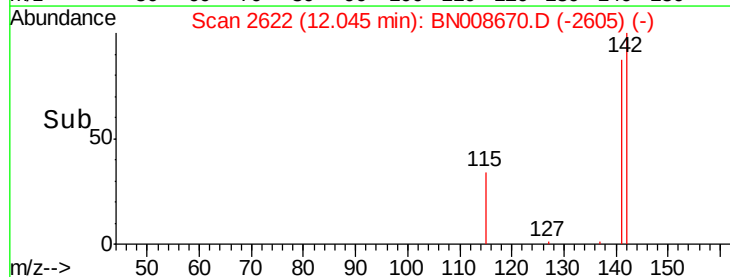
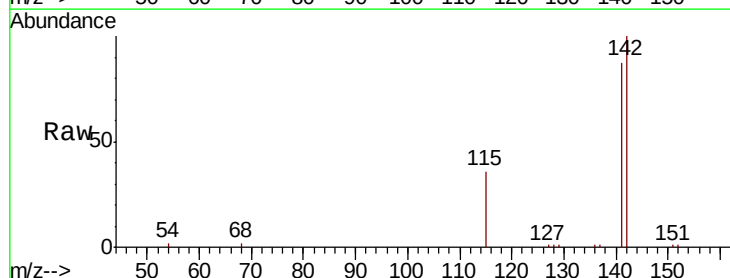
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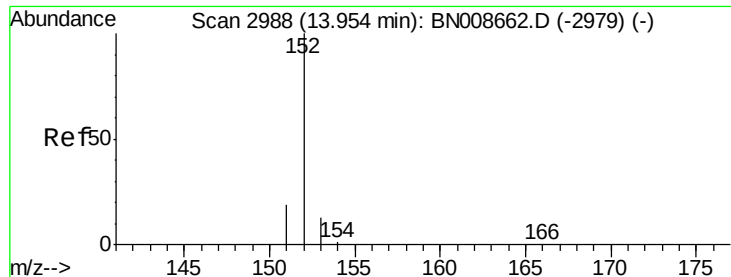
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#5
2-Methylnaphthalene
Concen: 0.670 ng/ul
RT: 12.04 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BN008670.D
Acq: 20 Nov 2019 20:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.5	105.7





#7

Acenaphthylene

Concen: 0.125 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Instrument :

BNA_N

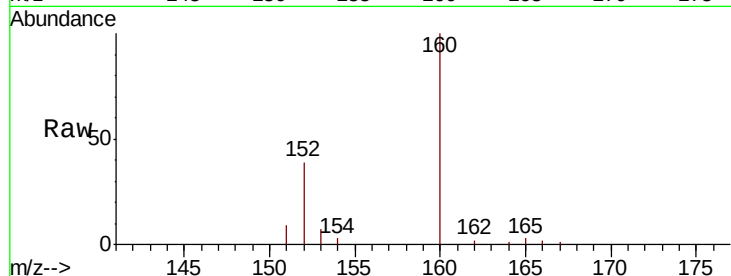
ClientSampleId :

C0AA6

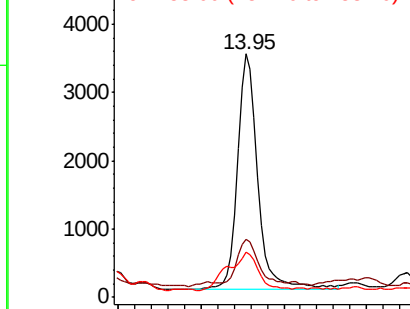
Tot Ion:	152	Resp:	5880
Ion Ratio	Lower	Upper	
152	100		
151	23.8	16.6	24.8
153	18.6	11.1	16.7#

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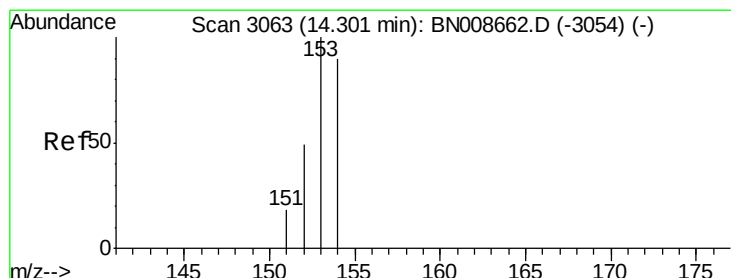
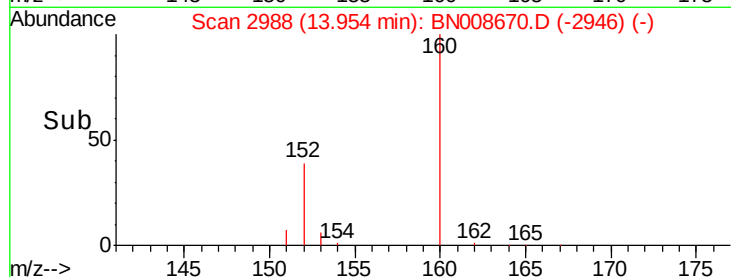
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time--> 13.80 13.90 14.00 14.10



#8

Acenaphthene

Concen: 0.060 ng/ul

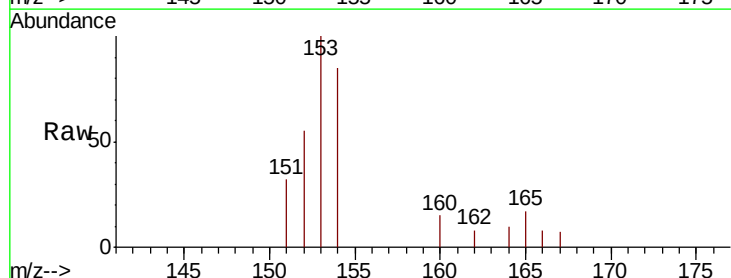
RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

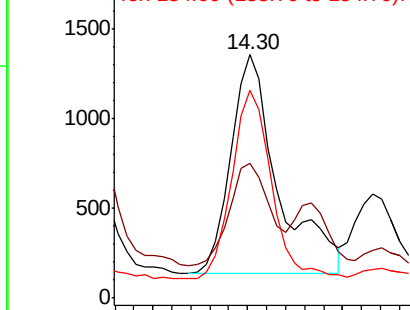
Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

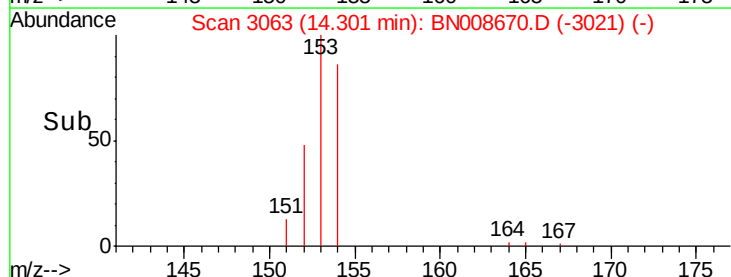
Tgt Ion:	153	Resp:	2110
Ion Ratio	Lower	Upper	
153	100		
152	55.2	39.6	59.4
154	85.3	70.6	106.0

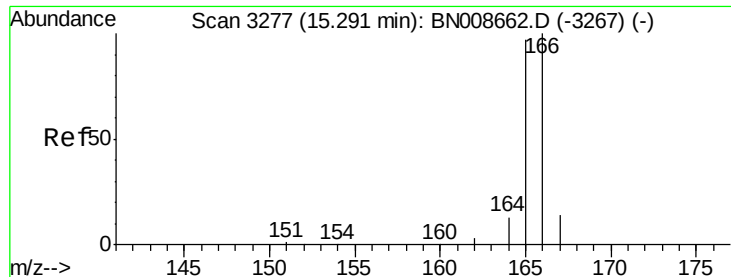


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.25 14.30 14.35





#9

Fluorene

Concen: 0.105 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Instrument :

BNA_N

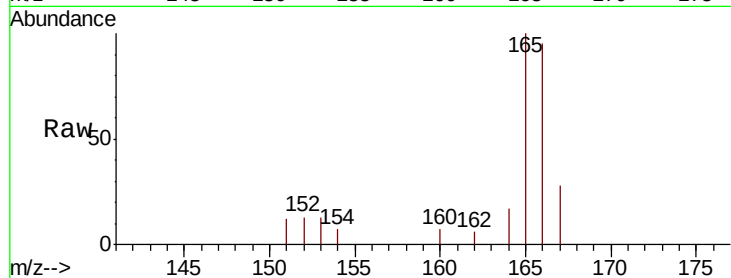
ClientSampleId :

C0AA6

Tot Ion:	166	Resp:	4297
Ion	Ratio	Lower	Upper
166	100		
165	104.7	77.4	116.0
167	28.9	11.4	17.0#

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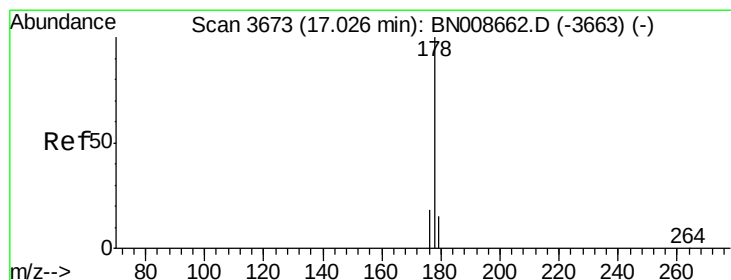
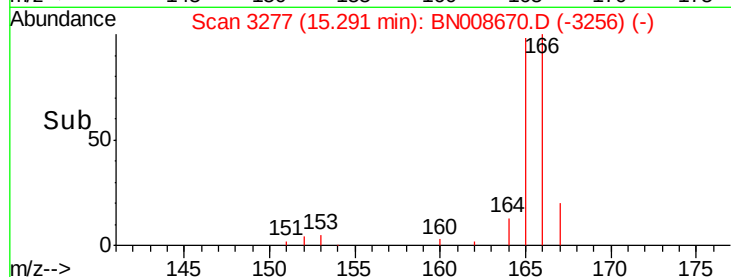
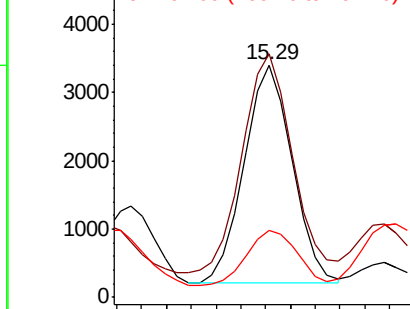


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 1.011 ng/ul

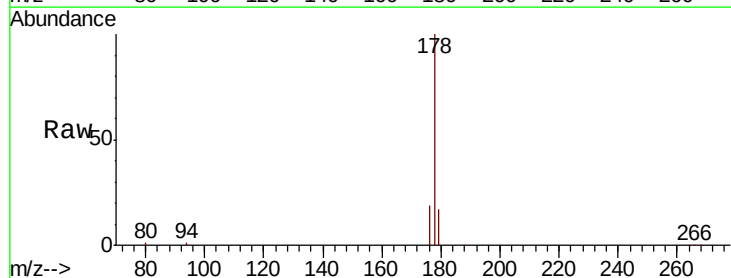
RT: 17.02 min Scan# 3672

Delta R.T. -0.01 min

Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Tgt Ion:	178	Resp:	58892
Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.8	19.2
176	19.2	16.0	24.0

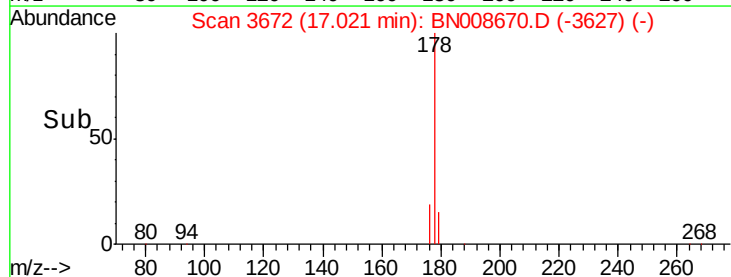
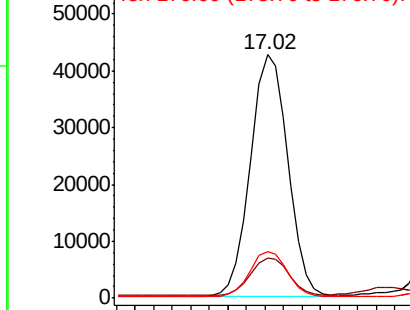


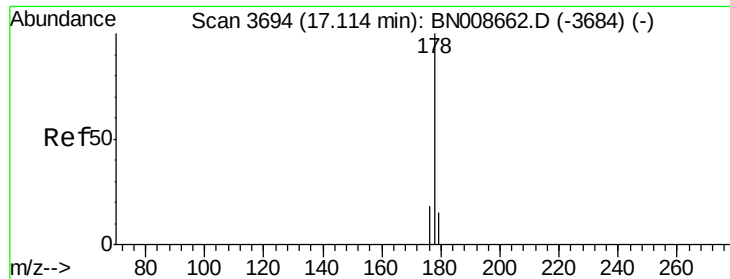
Abundance

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





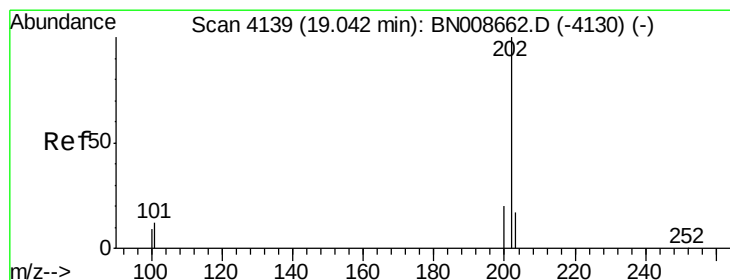
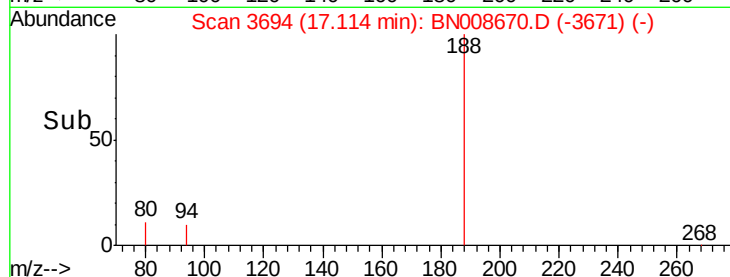
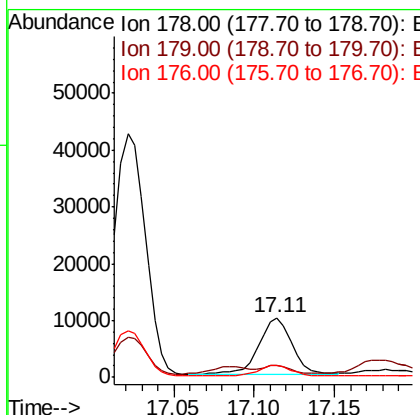
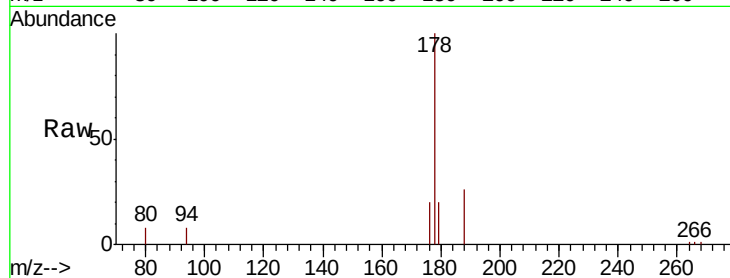
#13
 Anthracene
 Concen: 0.259 ng/ul
 RT: 17.11 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: BN008670.D
 Acq: 20 Nov 2019 20:56

Instrument :
 BNA_N
 ClientSampleId :
 C0AA6

Tot Ion:178 Resp: 14275
 Ion Ratio Lower Upper
 178 100
 179 20.0 13.0 19.4#
 176 20.1 15.3 22.9

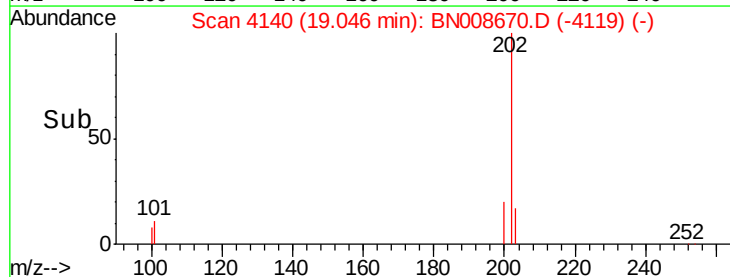
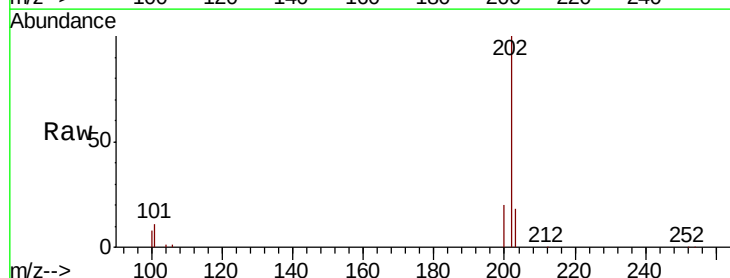
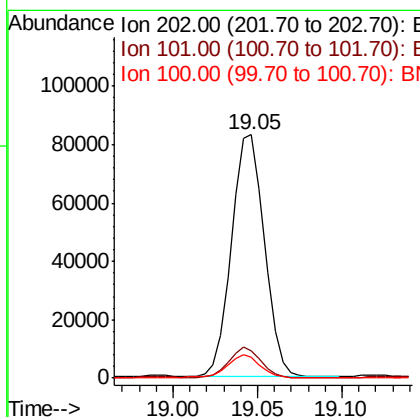
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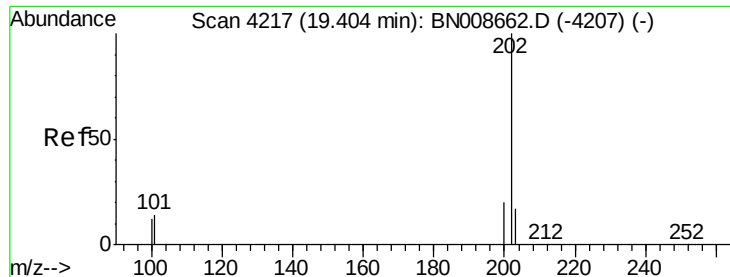
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#15
 Fluoranthene
 Concen: 1.568 ng/ul
 RT: 19.05 min Scan# 4140
 Delta R.T. -0.00 min
 Lab File: BN008670.D
 Acq: 20 Nov 2019 20:56

Tgt Ion:202 Resp: 112190
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 29.6
 100 8.4 0.0 27.0





#17

Pvrene

Concen: 2.271 ng/ul

RT: 19.41 min Scan# 4218

Delta R.T. 0.00 min

Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Instrument :

BNA_N

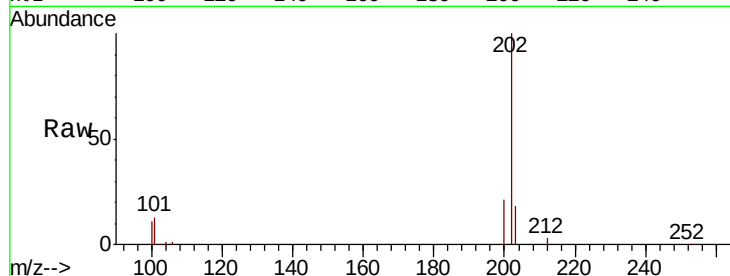
ClientSampleId :

C0AA6

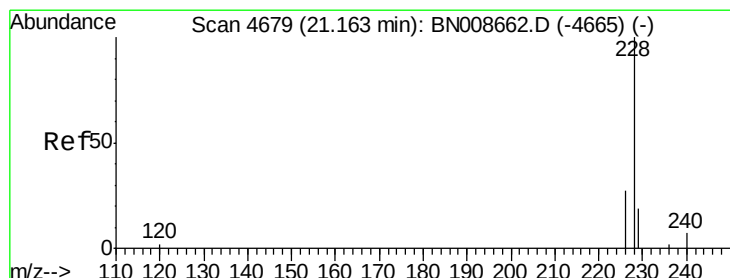
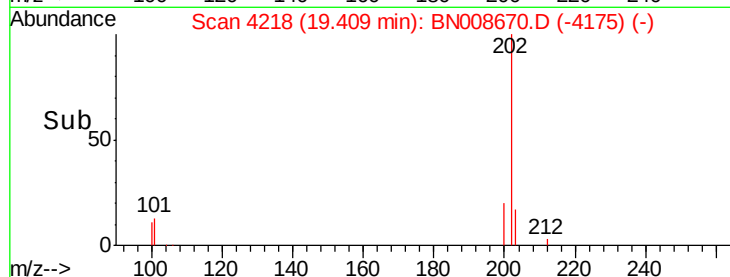
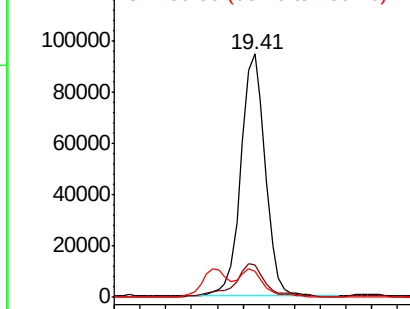
Tot Ion:	202	Resp:	124490
Ion Ratio	Lower	Upper	
202	100		
101	13.3	10.2	15.2
100	10.8	8.2	12.2

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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: 1.207 ng/ul

RT: 21.17 min Scan# 4680

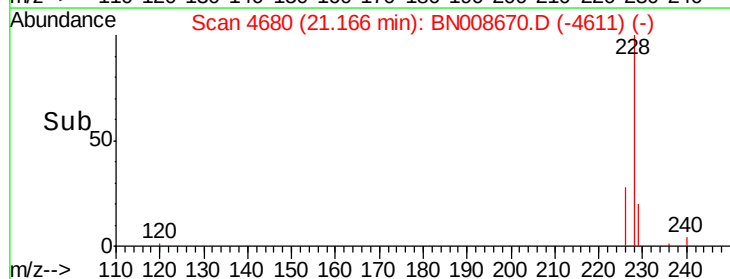
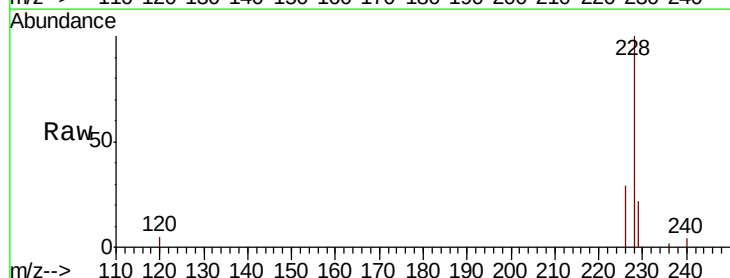
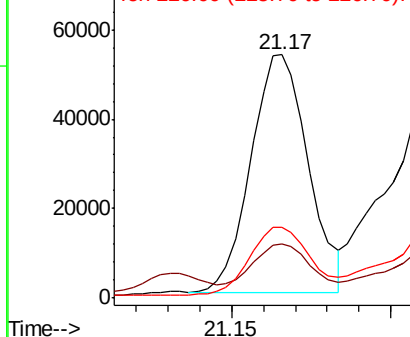
Delta R.T. 0.00 min

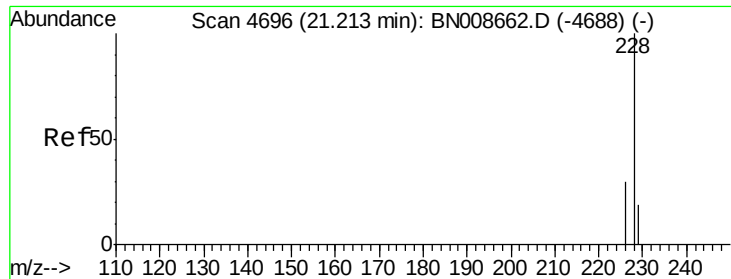
Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Tgt Ion:	228	Resp:	66324
Ion Ratio	Lower	Upper	
228	100		
229	22.2	15.8	23.6
226	29.3	21.6	32.4

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: 1.851 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. 0.00 min

Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Instrument :

BNA_N

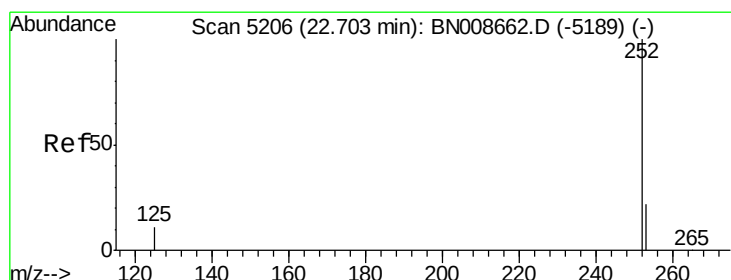
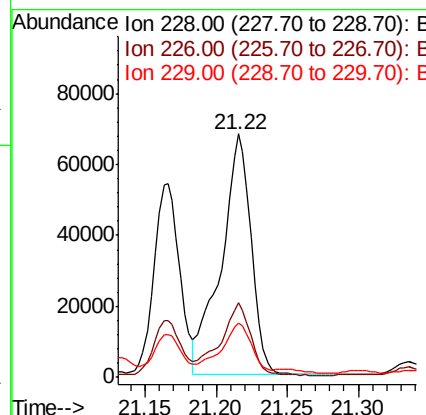
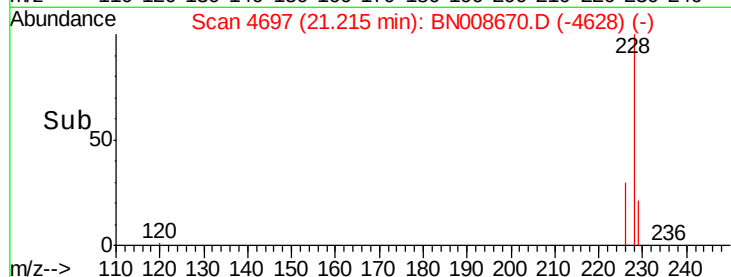
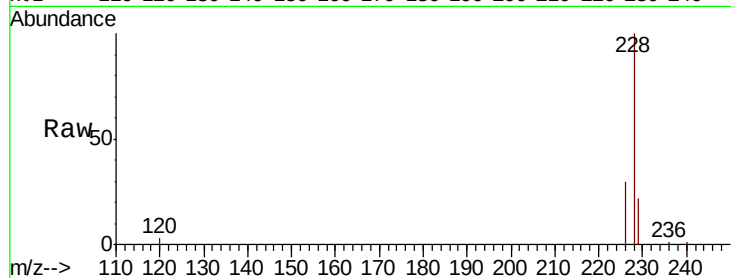
ClientSampleId :

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Tot Ion:	228	Resp:	99894
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.5	36.7
229	22.5	15.5	23.3

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#21

Benzo(b)fluoranthene

Concen: 2.346 ng/ul m

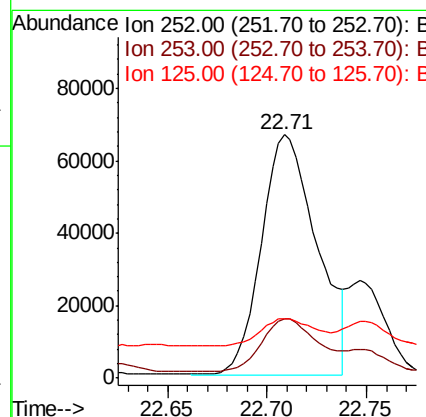
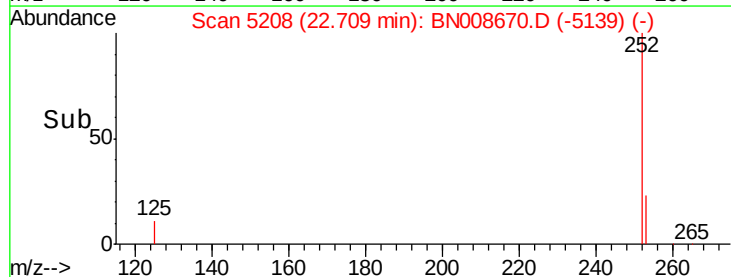
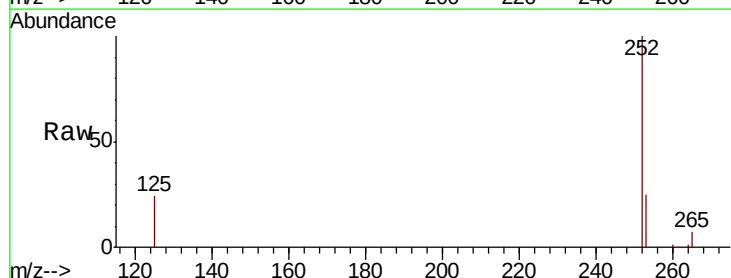
RT: 22.71 min Scan# 5208

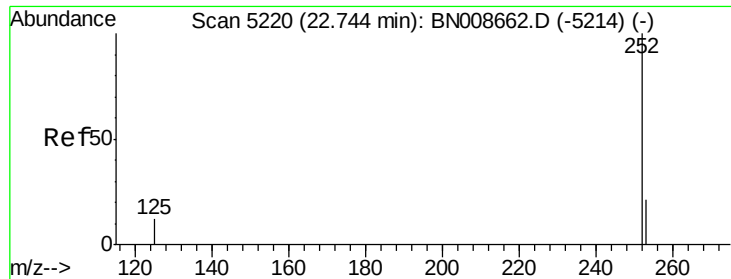
Delta R.T. 0.00 min

Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Tgt Ion:	252	Resp:	130316
Ion Ratio	Lower	Upper	
252	100		
253	24.6	0.0	50.2
125	24.3	0.0	30.0





#22

Benzo(k)fluoranthene

Concen: 0.606 ng/ul m

RT: 22.75 min Scan# 5221

Delta R.T. -0.00 min

Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Instrument :

BNA_N

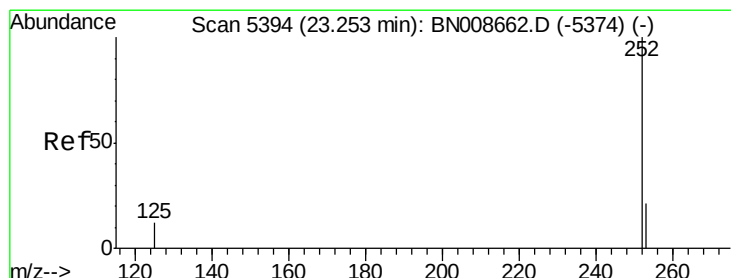
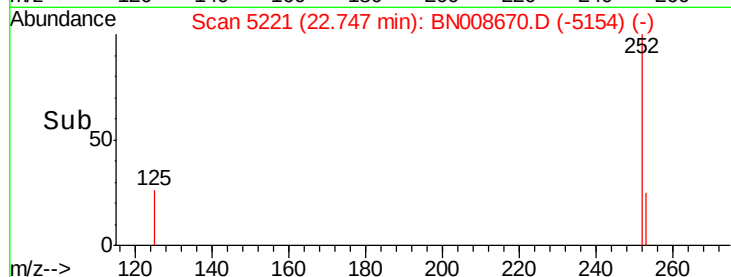
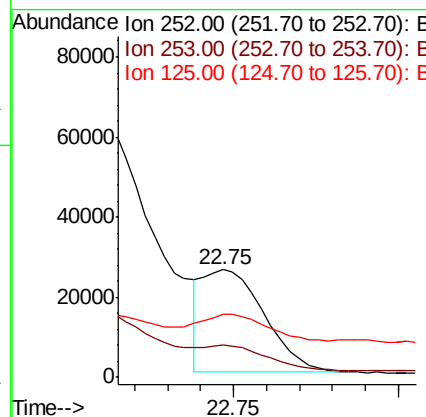
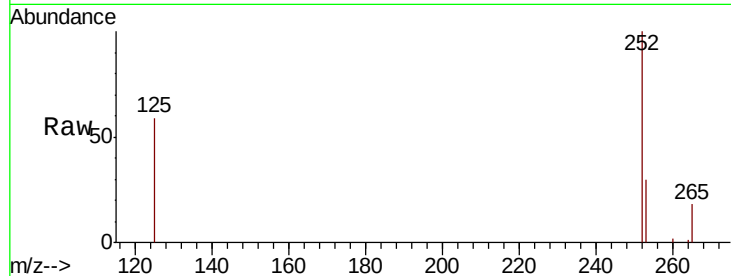
ClientSampleId :

C0AA6

Tot Ion:	252	Resp:	33367
Ion Ratio	Lower	Upper	
252	100		
253	29.7	20.5	30.7
125	59.0	15.0	22.4#

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#23

Benzo(a)pyrene

Concen: 1.179 ng/ul

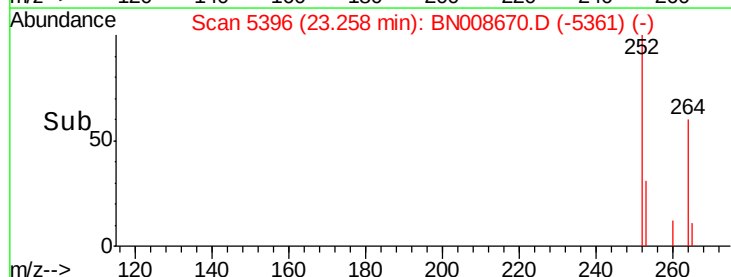
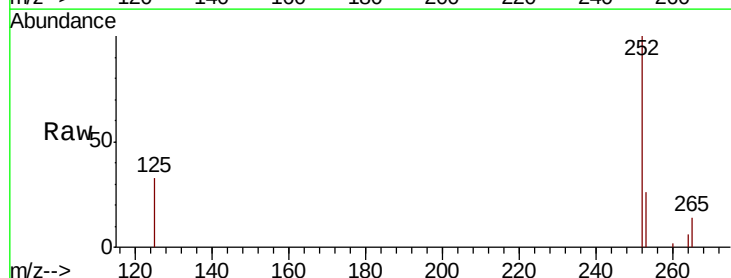
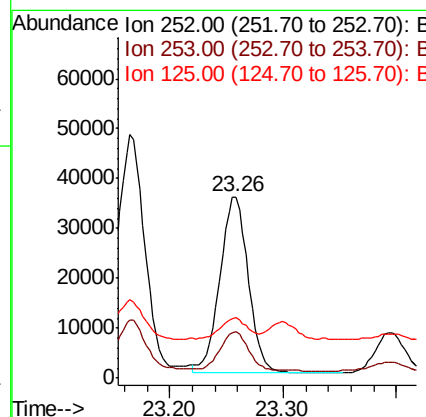
RT: 23.26 min Scan# 5396

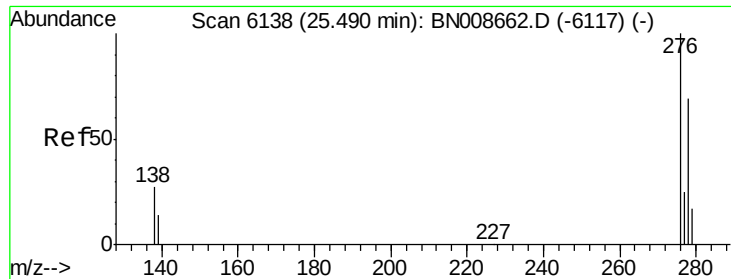
Delta R.T. 0.00 min

Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Tgt Ion:	252	Resp:	61454
Ion Ratio	Lower	Upper	
252	100		
253	25.5	21.4	32.2
125	33.3	13.8	20.8#





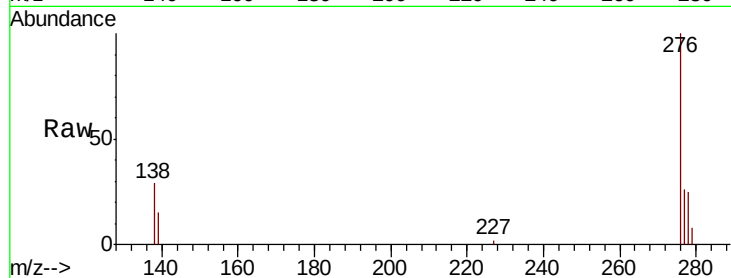
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.976 ng/ul
 RT: 25.49 min Scan# 6138
 Delta R.T. -0.01 min
 Lab File: BN008670.D
 Acq: 20 Nov 2019 20:56

Instrument :
 BNA_N
 ClientSampleId :
 C0AA6

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.7	32.5
227	0.4	0.2	0.2#

Manual Integrations
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mohammad
 11/21/2019 1:06:24 PM

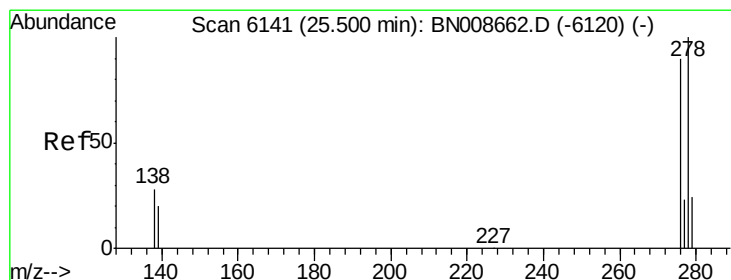
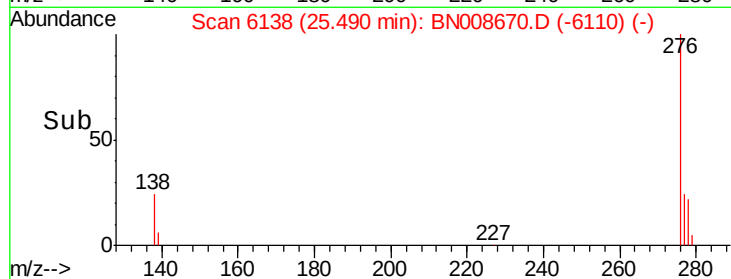
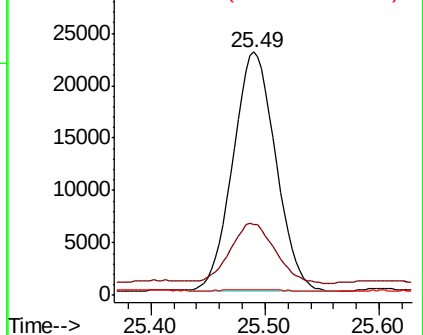


Abundance

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: 0.371 ng/ul
 RT: 25.50 min Scan# 6140
 Delta R.T. -0.01 min
 Lab File: BN008670.D
 Acq: 20 Nov 2019 20:56

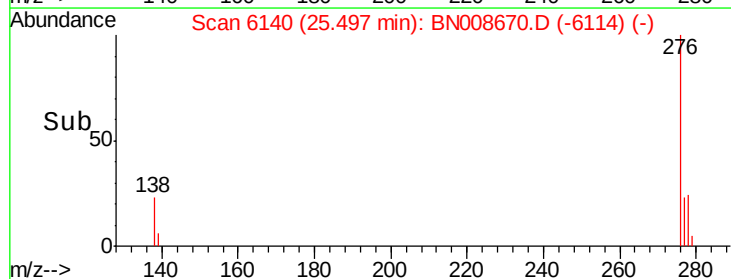
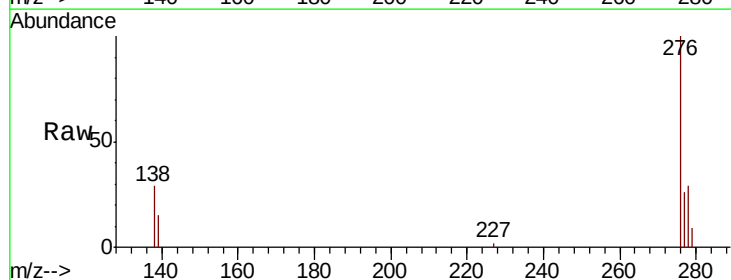
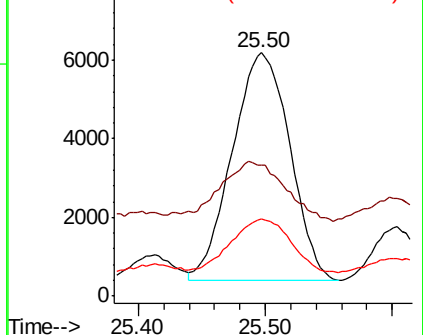
Tgt Ion	Ratio	Lower	Upper
278	100		
139	53.6	18.7	28.1#
279	31.6	20.8	31.2#

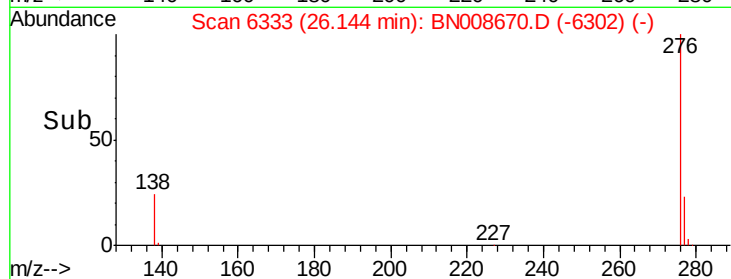
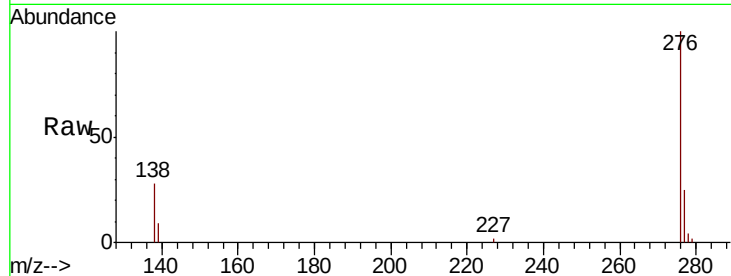
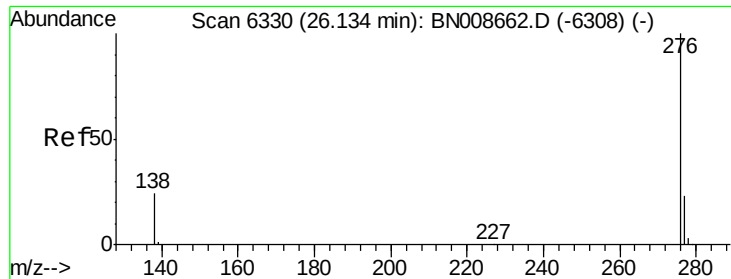
Abundance

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(a,h,i)perylene

Concen: 1.252 ng/ul

RT: 26.14 min Scan# 6333

Delta R.T. 0.00 min

Lab File: BN008670.D

Acq: 20 Nov 2019 20:56

Tot Ion:	276	Resp:	63861
Ion Ratio	Lower	Upper	
276	100		
138	28.2	20.0	30.0
277	24.7	20.0	30.0

Instrument :

BNA_N

ClientSampleId :

C0AA6

Manual Integrations
APPROVED

mohammad
11/21/2019 1:06:24 PM

