

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
 Data File : BN009259.D
 Acq On : 30 Dec 2019 14:43
 Operator : JU
 Sample : K6322-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0C41

Manual Integrations
 APPROVED

mohammad
 12/31/2019 8:27:57 AM

Quant Time: Dec 30 15:31:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 30 11:05:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2248	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	7963	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	4214	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	8467	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	6765	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7080	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1864	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	4749	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	3983	0.165	ng/ul	97
5) 2-Methylnaphthalene	11.93	142	2647	0.145	ng/ul	99
7) Acenaphthylene	13.85	152	2400	0.108	ng/ul#	92
9) Fluorene	15.19	166	805	0.039	ng/ul#	93
12) Phenanthrene	16.93	178	23034	0.782	ng/ul	100
13) Anthracene	17.02	178	5480	0.208	ng/ul	98
15) Fluoranthene	18.95	202	56884	1.689	ng/ul	99
17) Pyrene	19.32	202	47075	1.364	ng/ul	97
18) Benzo(a)anthracene	21.07	228	23801	0.792	ng/ul	97
19) Chrysene	21.12	228	26569	0.880	ng/ul	97
21) Benzo(b)fluoranthene	22.59	252	35494m	1.074	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	12737m	0.382	ng/ul	
23) Benzo(a)pyrene	23.12	252	22811	0.787	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.30	276	16559	0.525	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.30	278	3816	0.152	ng/ul#	81
26) Benzo(a,h,i)perylene	25.94	276	16270	0.612	ng/ul	98

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

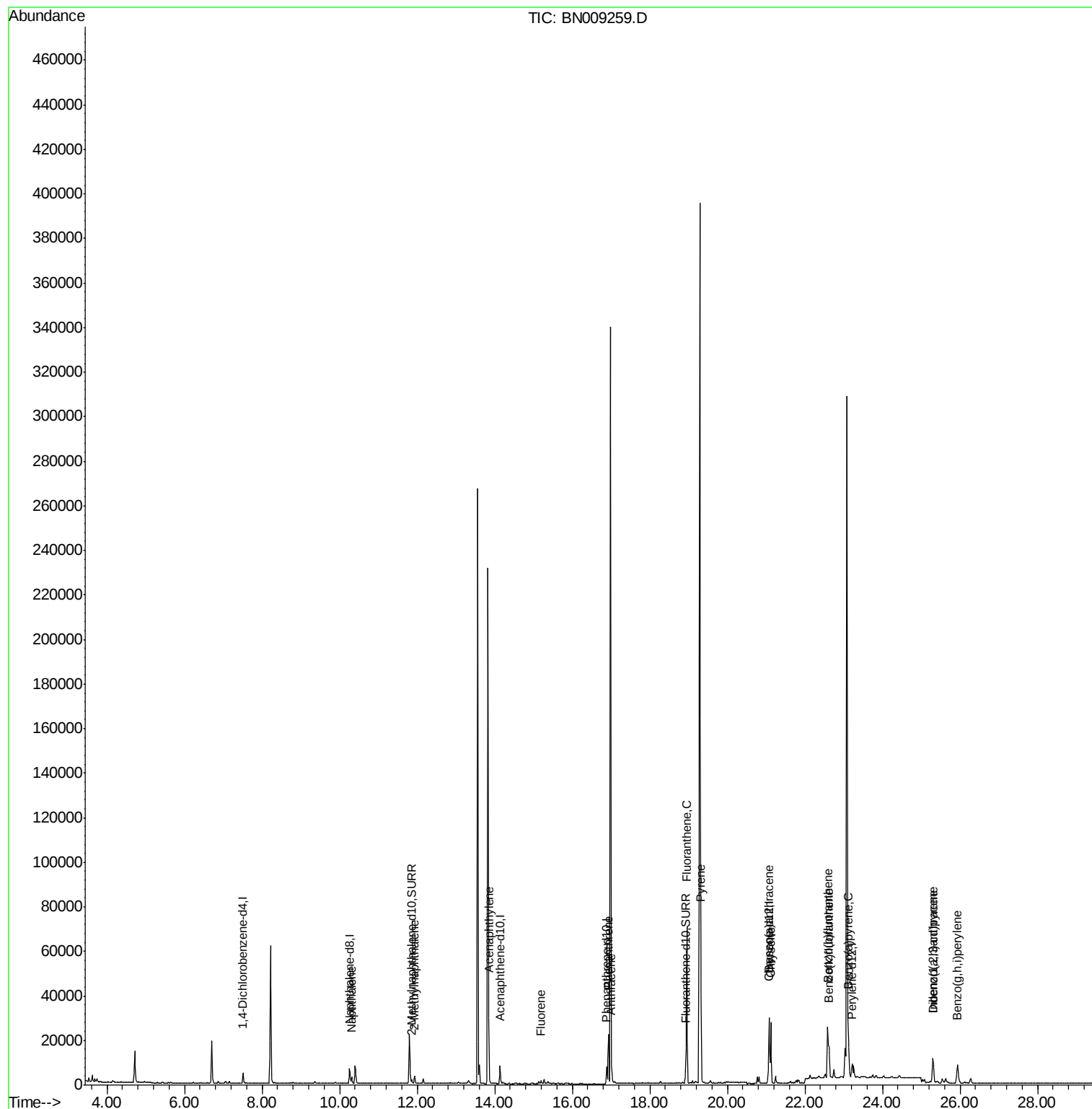
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
Data File : BN009259.D
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ALS Vial : 9 Sample Multiplier: 1

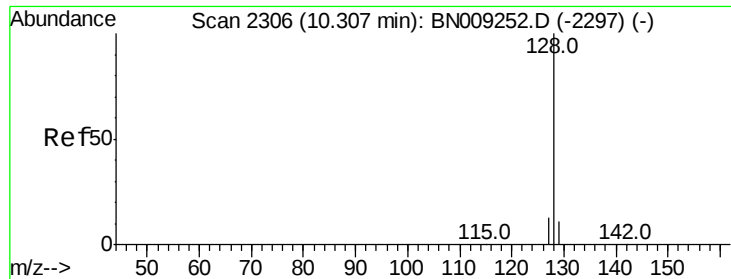
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Quant Time: Dec 30 15:31:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
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QLast Update : Mon Dec 30 11:05:47 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.165 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BN009259.D

Acq: 30 Dec 2019 14:43

Instrument :

BNA_N

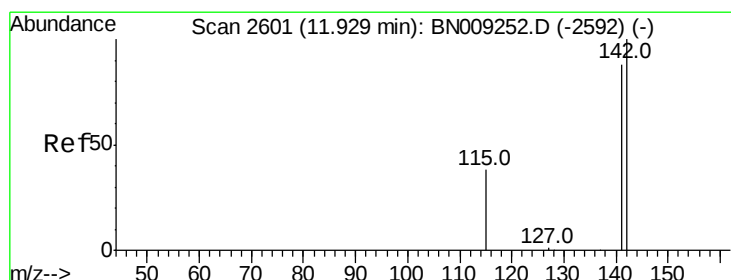
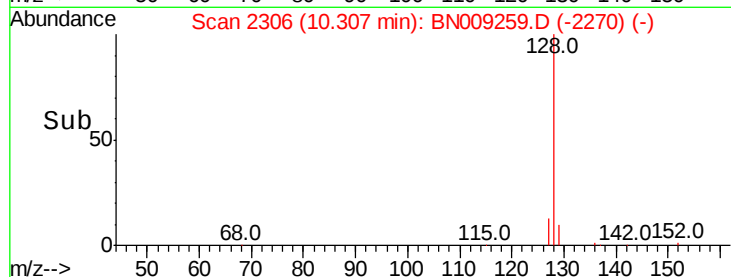
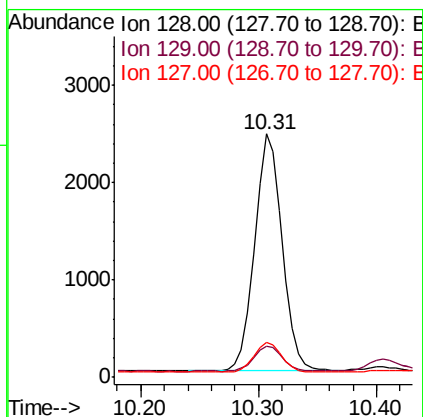
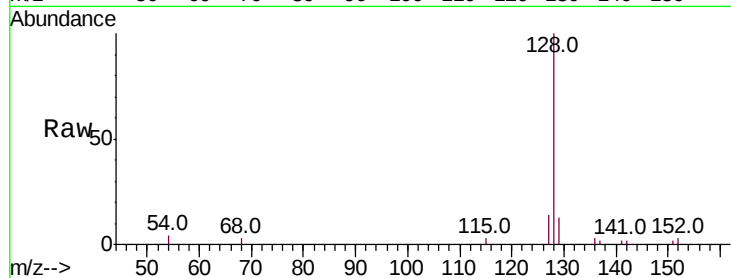
ClientSampleId :

C0C41

Tot Ion:	128	Resp:	3983
Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.0	13.4
127	14.4	10.9	16.3

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#5

2-Methylnaphthalene

Concen: 0.145 ng/ul

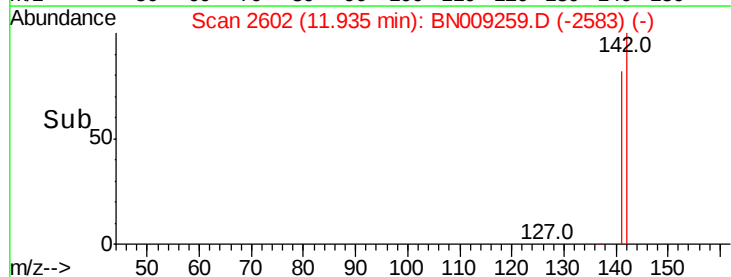
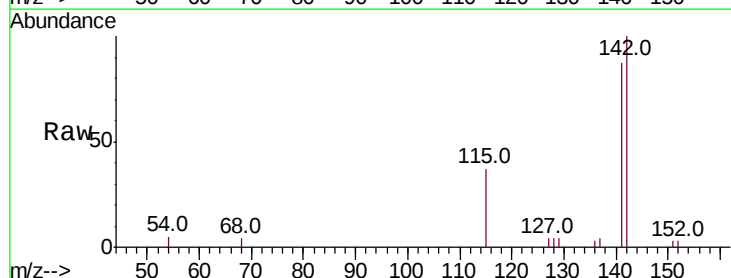
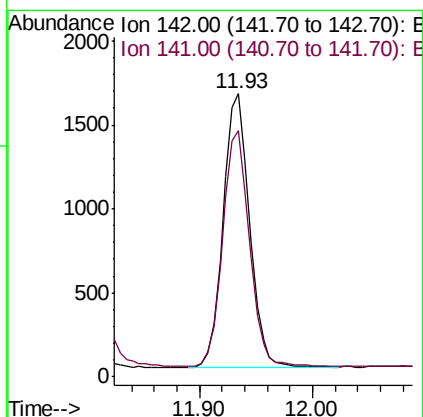
RT: 11.93 min Scan# 2602

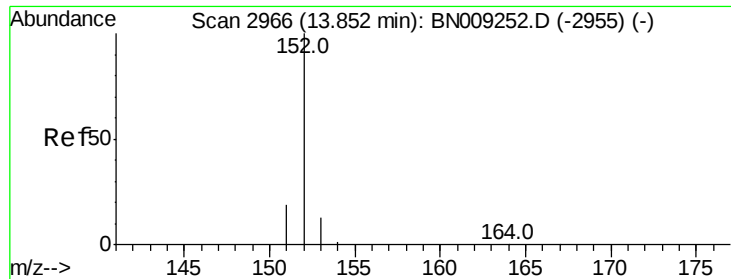
Delta R.T. 0.01 min

Lab File: BN009259.D

Acq: 30 Dec 2019 14:43

Tgt Ion:	142	Resp:	2647
Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.2	105.4





#7

Acenaphthylene

Concen: 0.108 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009259.D

Acq: 30 Dec 2019 14:43

Instrument :

BNA_N

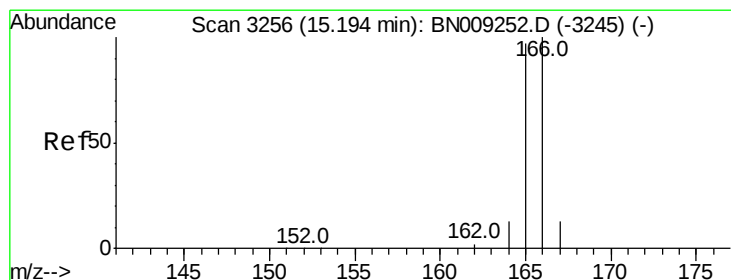
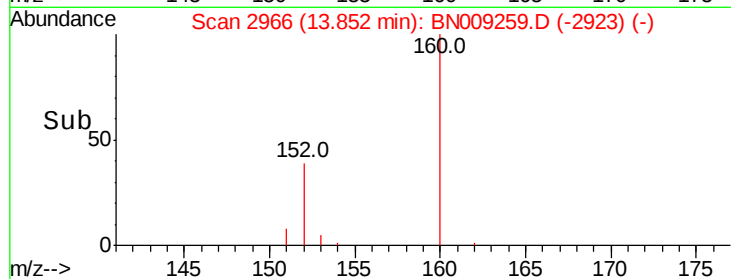
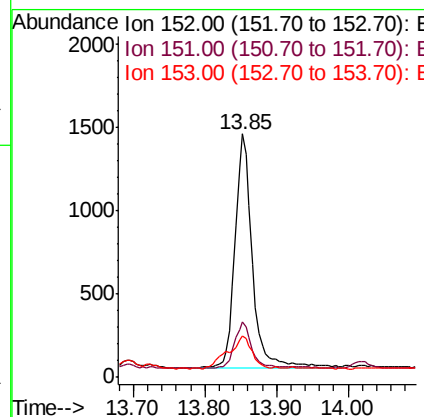
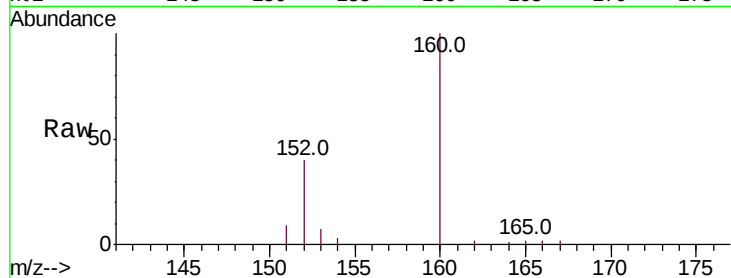
ClientSampleId :

C0C41

Tot Ion:	152	Resp:	2400
Ion Ratio	Lower	Upper	
152	100		
151	23.0	15.7	23.5
153	16.8	10.8	16.2

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#9

Fluorene

Concen: 0.039 ng/ul

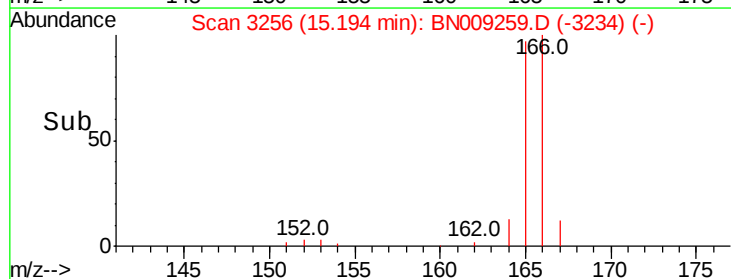
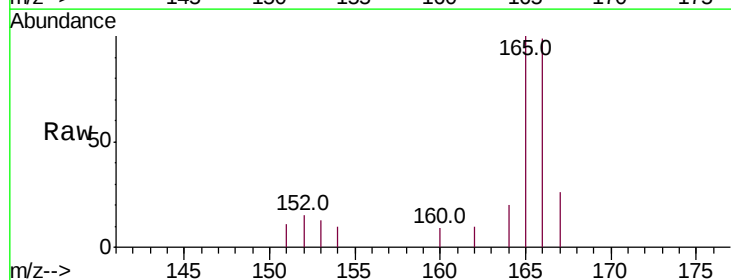
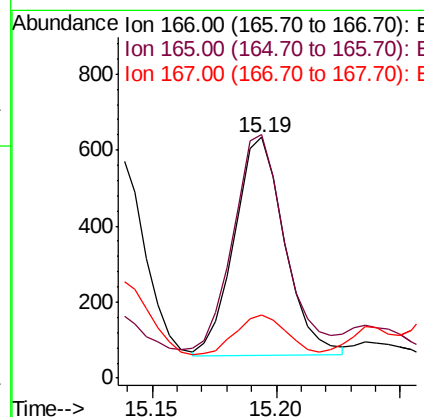
RT: 15.19 min Scan# 3256

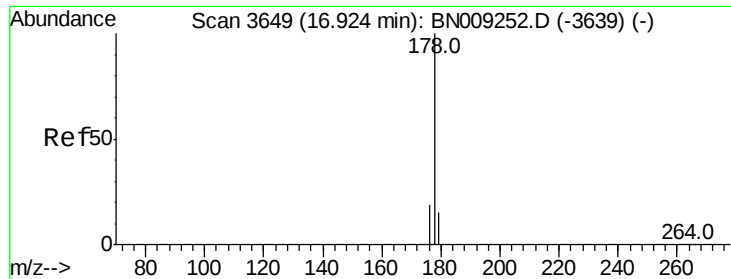
Delta R.T. -0.00 min

Lab File: BN009259.D

Acq: 30 Dec 2019 14:43

Tgt Ion:	166	Resp:	805
Ion Ratio	Lower	Upper	
166	100		
165	101.3	78.2	117.4
167	26.2	11.0	16.6





#12

Phenanthrene

Concen: 0.782 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BN009259.D

Acq: 30 Dec 2019 14:43

Instrument :

BNA_N

ClientSampleId :

C0C41

Tot Ion:178 Resp: 23034

Ion Ratio Lower Upper

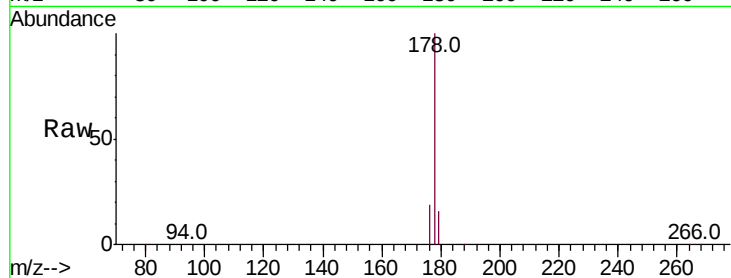
178 100

179 15.8 12.3 18.5

176 19.0 15.1 22.7

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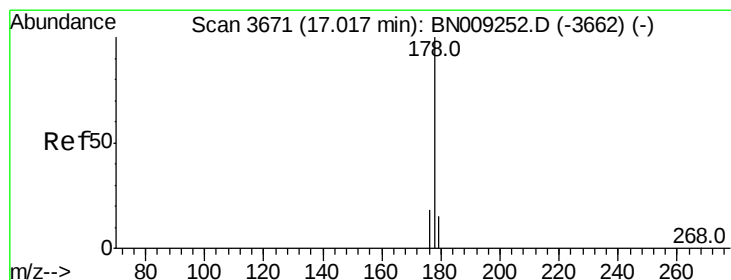
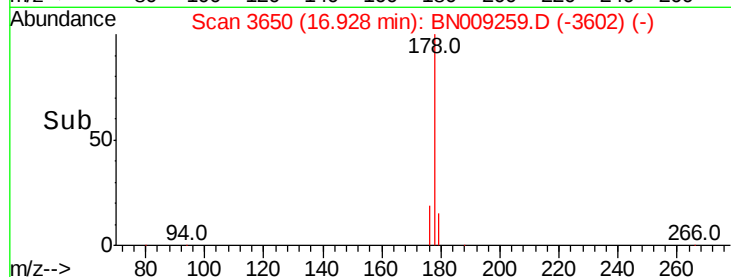
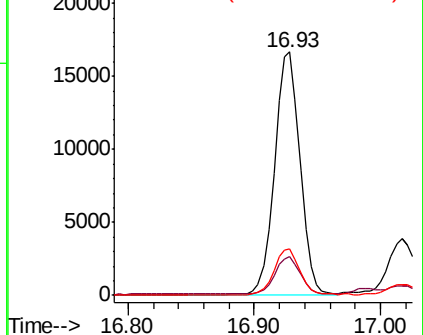
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.208 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN009259.D

Acq: 30 Dec 2019 14:43

Tgt Ion:178 Resp: 5480

Ion Ratio Lower Upper

178 100

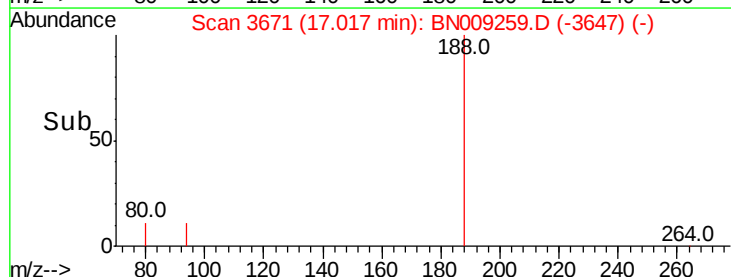
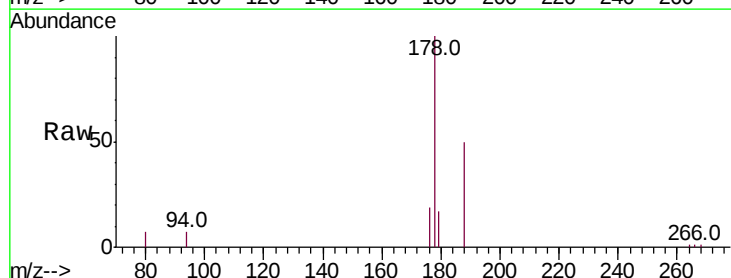
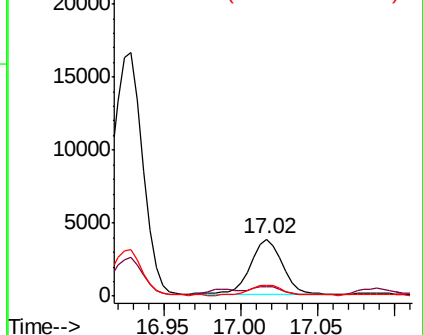
179 17.0 12.5 18.7

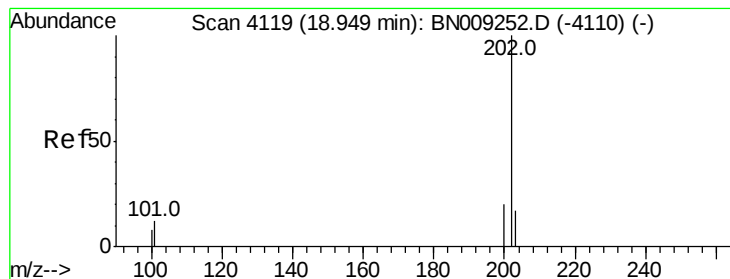
176 18.9 14.9 22.3

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: 1.689 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. -0.00 min

Lab File: BN009259.D

Acq: 30 Dec 2019 14:43

Instrument :

BNA_N

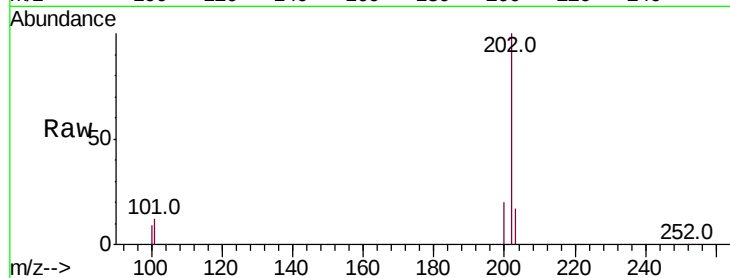
ClientSampleId :

C0C41

Tot Ion:	202	Resp:	56884
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	31.5
100	9.2	0.0	28.9

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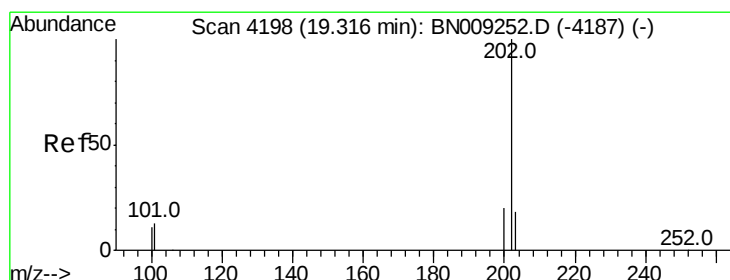
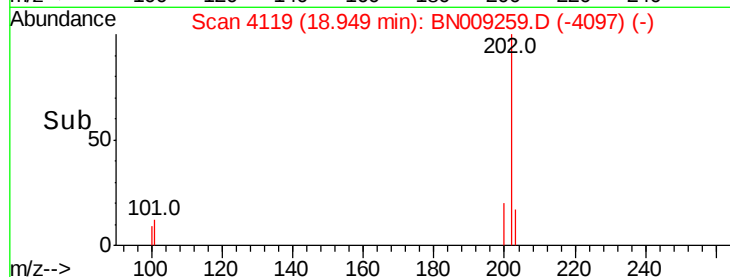
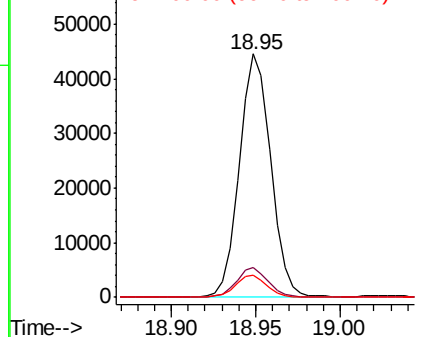
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 1.364 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. -0.00 min

Lab File: BN009259.D

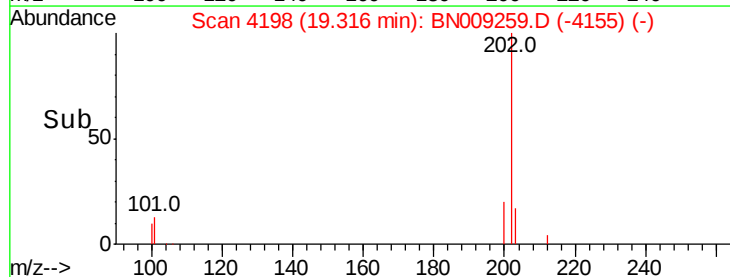
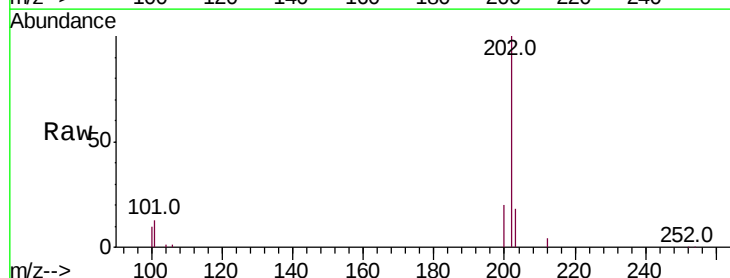
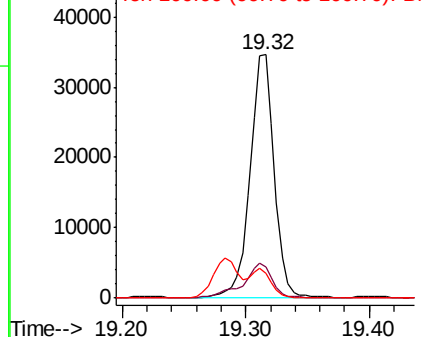
Acq: 30 Dec 2019 14:43

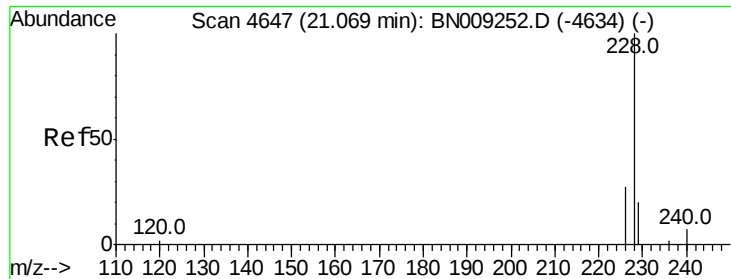
Tgt Ion:	202	Resp:	47075
Ion Ratio	Lower	Upper	
202	100		
101	12.8	10.9	16.3
100	10.0	9.0	13.6

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





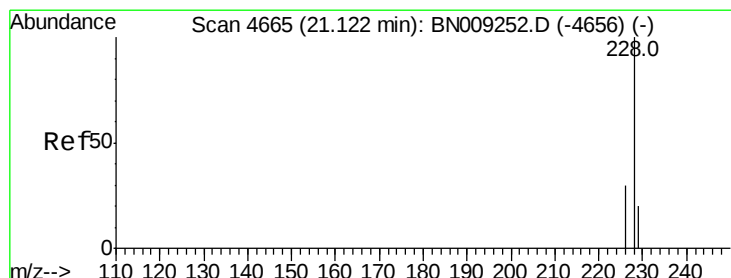
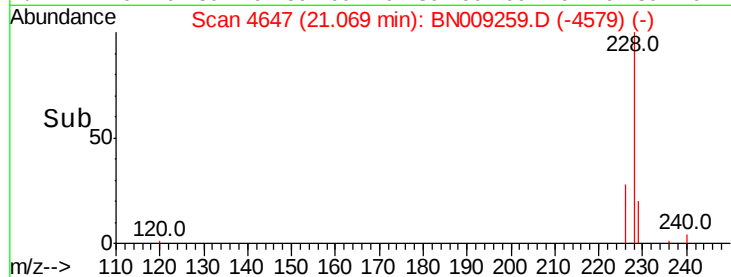
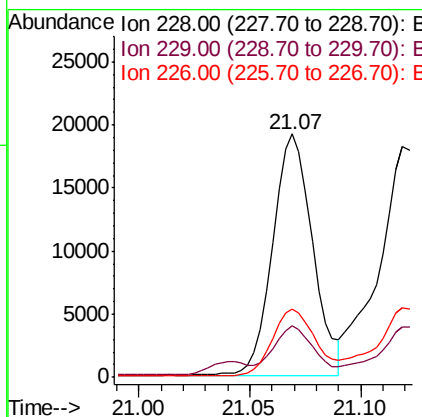
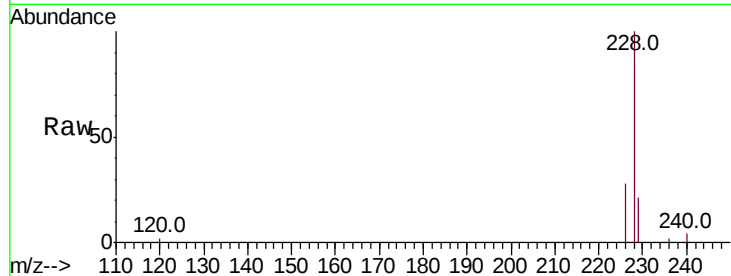
#18
Benzo(a)anthracene
Concen: 0.792 ng/ul
RT: 21.07 min Scan# 4647
Delta R.T. -0.00 min
Lab File: BN009259.D
Acq: 30 Dec 2019 14:43

Instrument :
BNA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.5	23.3
226	28.2	21.7	32.5

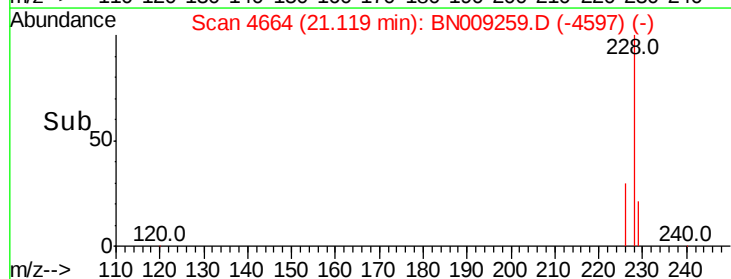
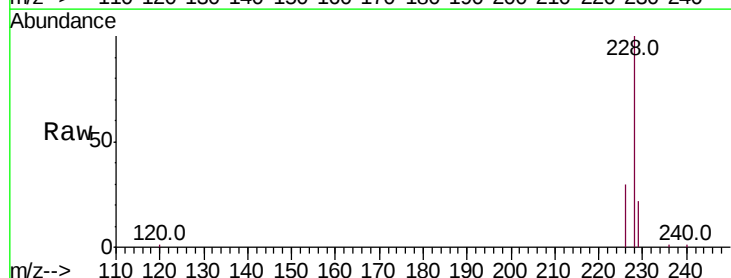
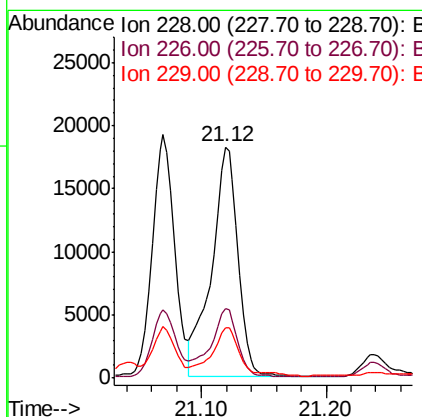
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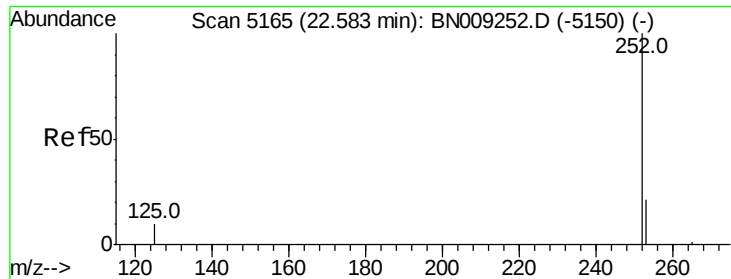
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#19
Chrysene
Concen: 0.880 ng/ul
RT: 21.12 min Scan# 4664
Delta R.T. -0.00 min
Lab File: BN009259.D
Acq: 30 Dec 2019 14:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	21.9	15.4	23.0





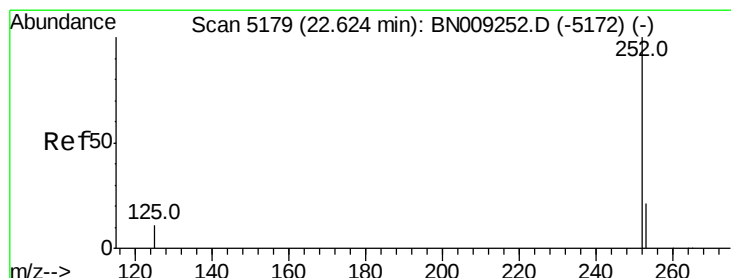
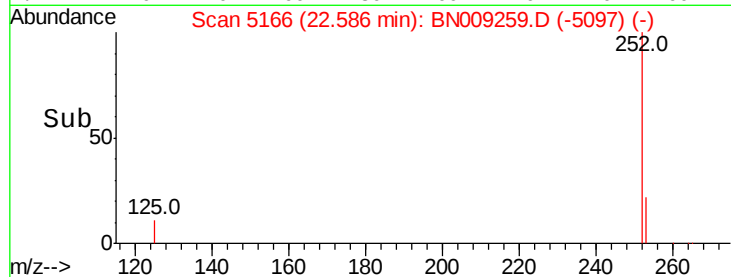
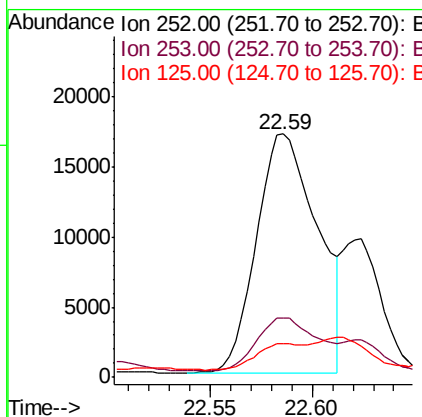
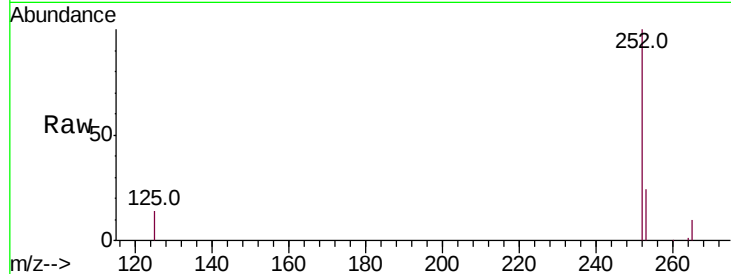
#21
Benzo(b)fluoranthene
Concen: 1.074 ng/ul m
RT: 22.59 min Scan# 5166
Delta R.T. 0.00 min
Lab File: BN009259.D
Acq: 30 Dec 2019 14:43

Instrument :
BNA_N
ClientSampleId :
C0C41

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	0.0	48.2
125	13.8	0.0	30.0

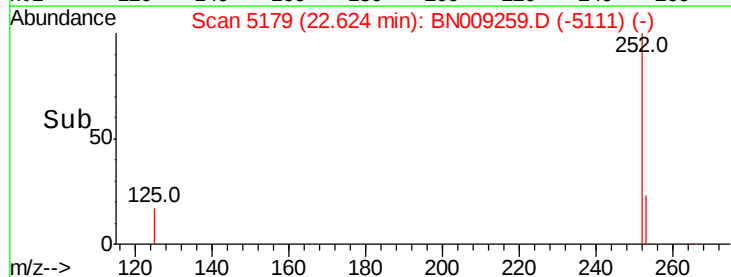
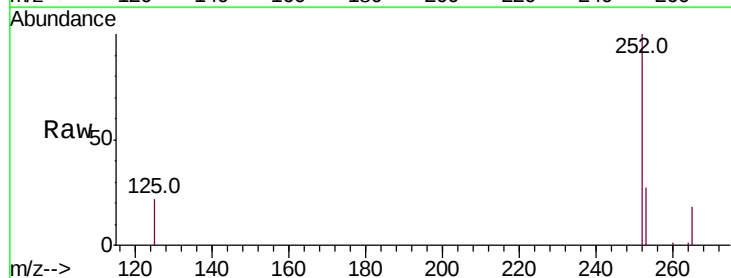
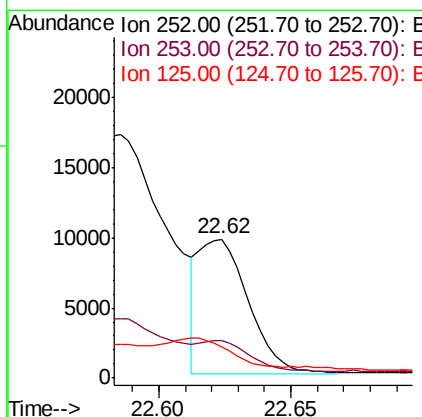
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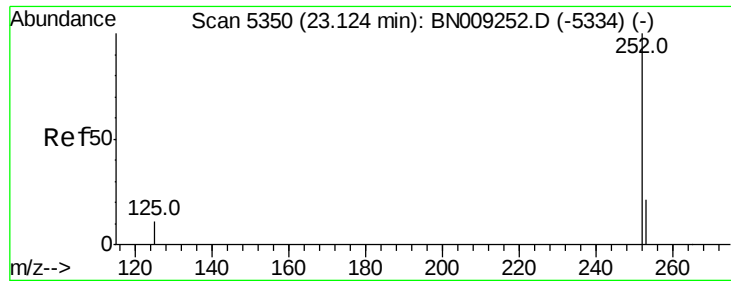
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#22
Benzo(k)fluoranthene
Concen: 0.382 ng/ul m
RT: 22.62 min Scan# 5179
Delta R.T. -0.00 min
Lab File: BN009259.D
Acq: 30 Dec 2019 14:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.4	29.0
125	22.4	12.4	18.6





#23

Benzo(a)pyrene

Concen: 0.787 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.00 min

Lab File: BN009259.D

Acq: 30 Dec 2019 14:43

Instrument :

BNA_N

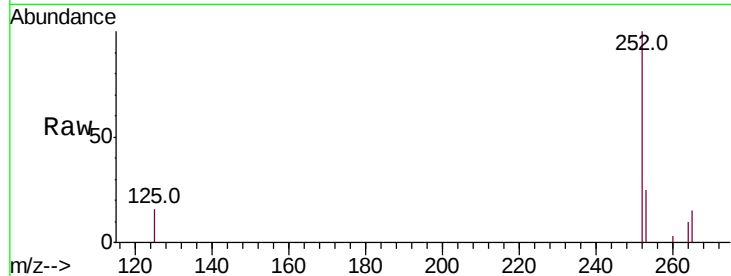
ClientSampleId :

C0C41

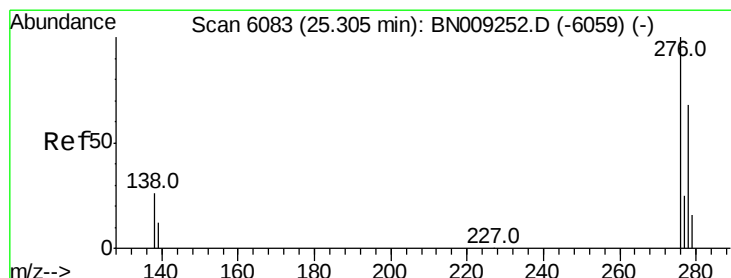
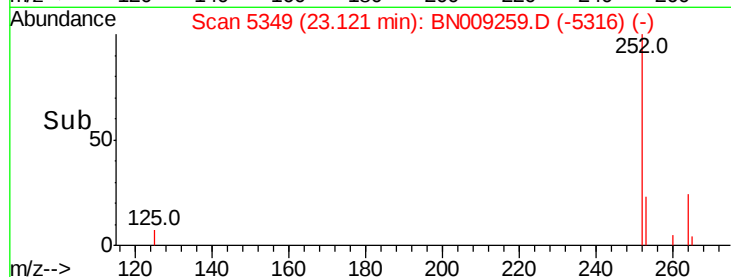
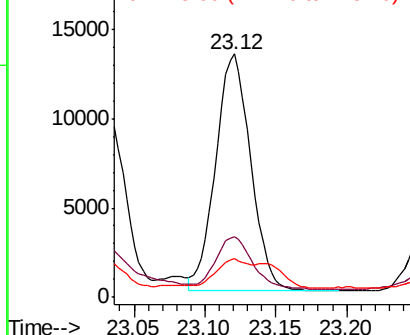
Tot Ion:	252	Resp:	22811
Ion Ratio	Lower	Upper	
252	100		
253	25.1	20.2	30.4
125	15.7	13.2	19.8

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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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.525 ng/ul

RT: 25.30 min Scan# 6081

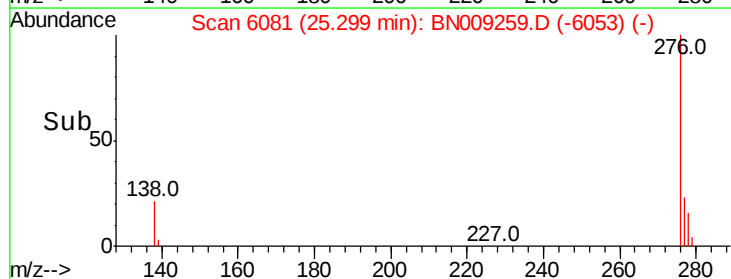
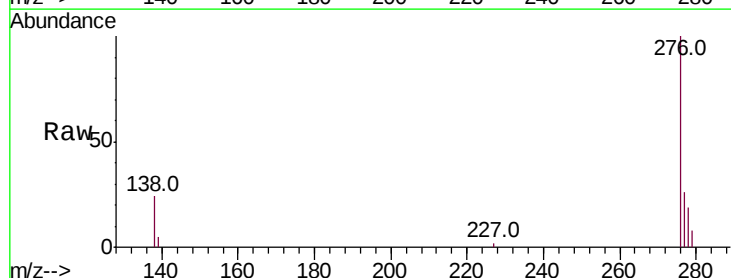
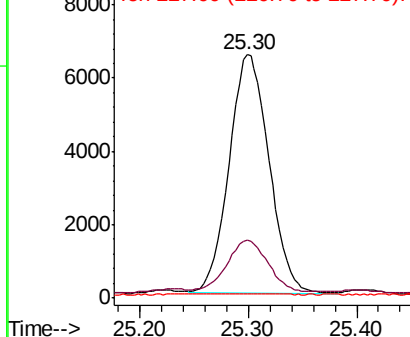
Delta R.T. -0.01 min

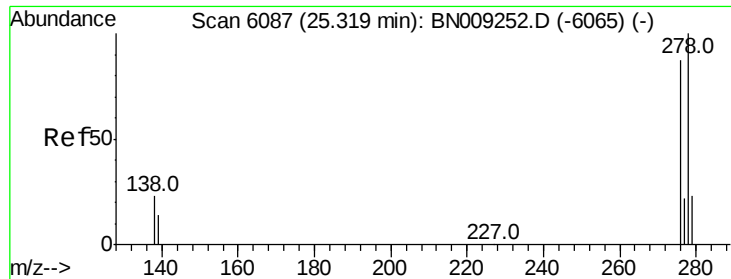
Lab File: BN009259.D

Acq: 30 Dec 2019 14:43

Tgt Ion:	276	Resp:	16559
Ion Ratio	Lower	Upper	
276	100		
138	22.2	22.4	33.6#
227	0.0	0.2	0.4#

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





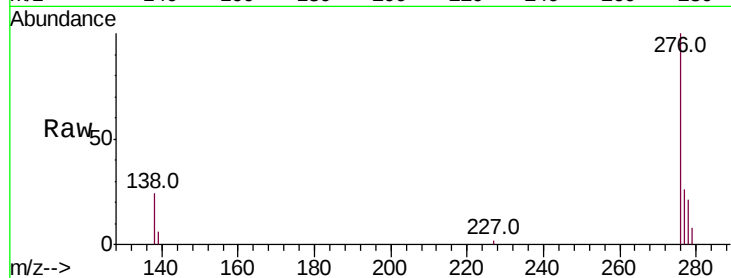
#25
Dibenzo(a,h)anthracene
Concen: 0.152 ng/ul
RT: 25.30 min Scan# 6082
Delta R.T. -0.02 min
Lab File: BN009259.D
Acq: 30 Dec 2019 14:43

Instrument :
BNA_N
ClientSampleId :
C0C41

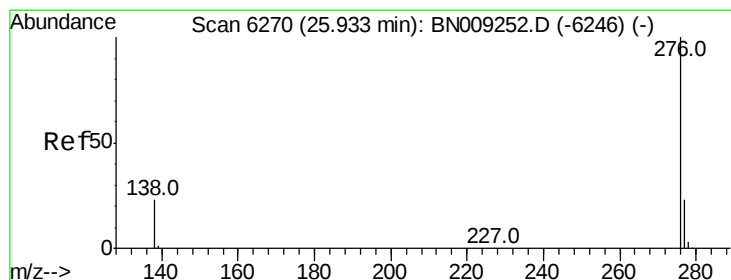
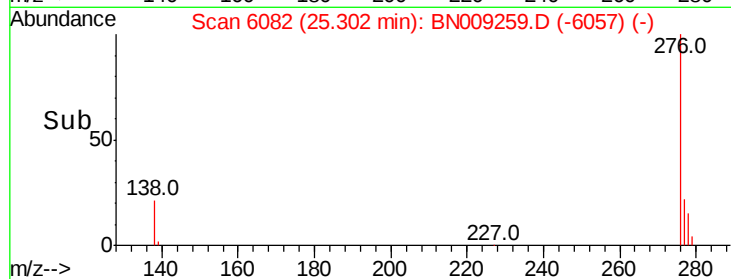
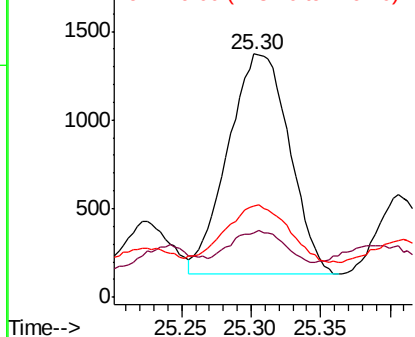
Tot Ion	Ratio	Lower	Upper
278	100		
139	26.7	16.2	24.2#
279	37.4	20.3	30.5#

Manual Integrations
APPROVED

mohammad
12/31/2019 8:27:57 AM



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: 0.612 ng/ul
RT: 25.94 min Scan# 6271
Delta R.T. 0.00 min
Lab File: BN009259.D
Acq: 30 Dec 2019 14:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.6	30.8
277	24.8	19.6	29.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

