

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123119\
 Data File : BN009283.D
 Acq On : 31 Dec 2019 16:12
 Operator : JU
 Sample : K6308-01DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0C56DL

Manual Integrations
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Quant Time: Dec 31 17:08:56 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 : Tue Dec 31 11:02:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2351	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	8370	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	4396	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.88	188	8807	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	7054	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7296	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1016	0.07	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	1959	0.08	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	723	0.028	ng/ul#	76
5) 2-Methylnaphthalene	11.93	142	626	0.033	ng/ul	97
7) Acenaphthylene	13.85	152	2520	0.109	ng/ul#	92
9) Fluorene	15.19	166	450	0.021	ng/ul#	94
12) Phenanthrene	16.92	178	9097	0.297	ng/ul	98
13) Anthracene	17.02	178	2510	0.091	ng/ul	94
15) Fluoranthene	18.95	202	33921	0.968	ng/ul	100
17) Pyrene	19.31	202	30477	0.847	ng/ul	99
18) Benzo(a)anthracene	21.07	228	14164	0.452	ng/ul	97
19) Chrysene	21.12	228	18658	0.593	ng/ul	98
21) Benzo(b)fluoranthene	22.59	252	28998m	0.851	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	9826m	0.286	ng/ul	
23) Benzo(a)pyrene	23.12	252	17267	0.578	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.30	276	14126	0.434	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.31	278	3059	0.118	ng/ul#	83
26) Benzo(a,h,i)perylene	25.93	276	14560	0.532	ng/ul	99

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

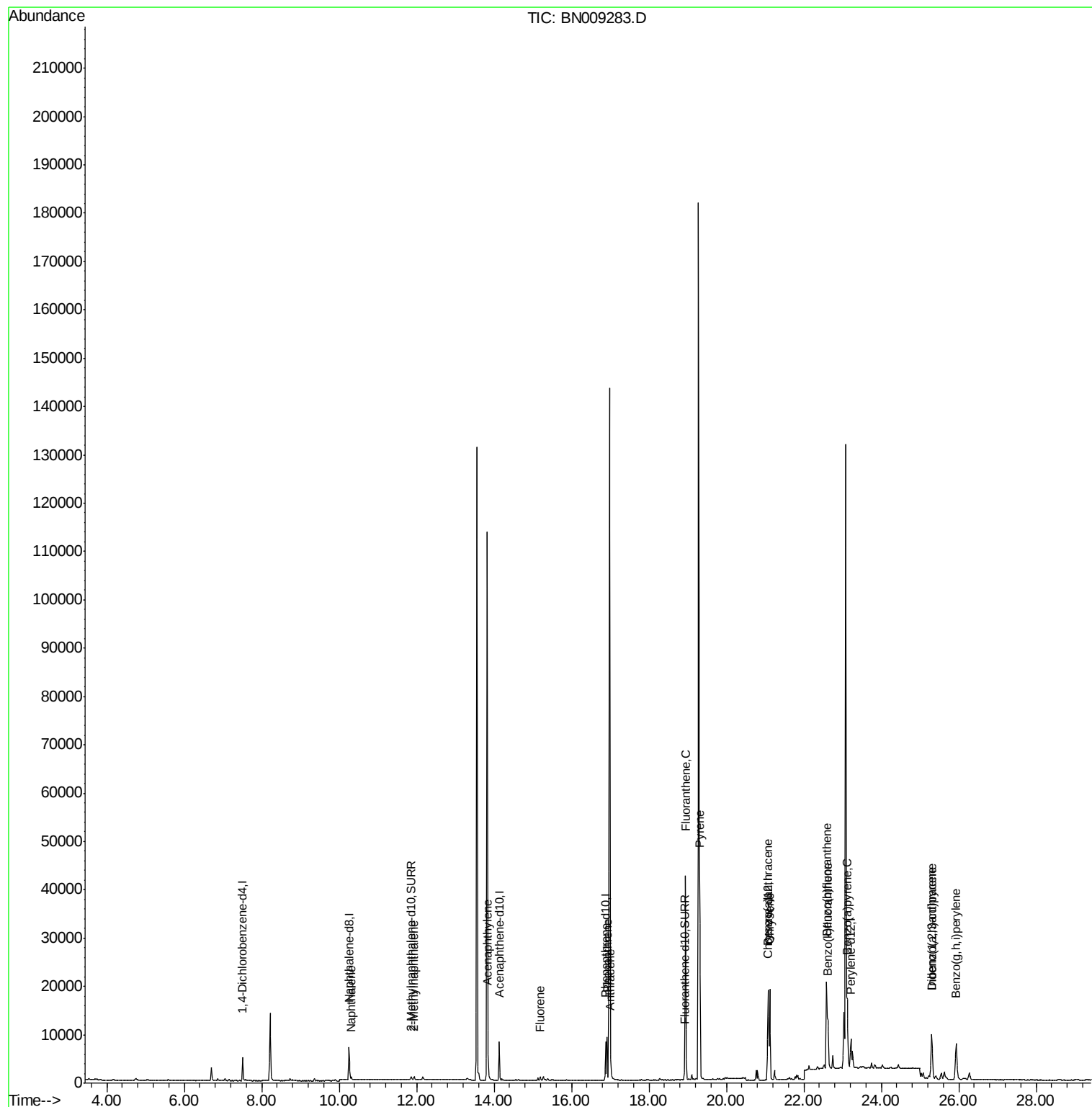
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123119\
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ALS Vial : 12 Sample Multiplier: 1

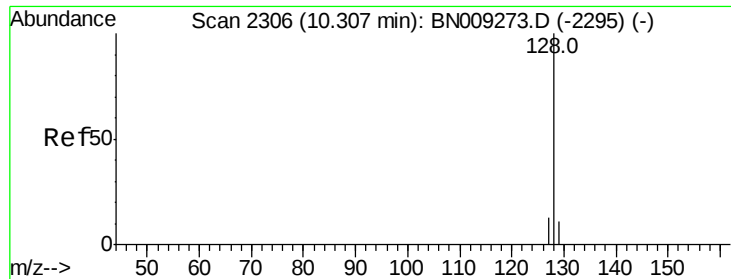
Instrument :
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Quant Time: Dec 31 17:08:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
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QLast Update : Tue Dec 31 11:02:23 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.028 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

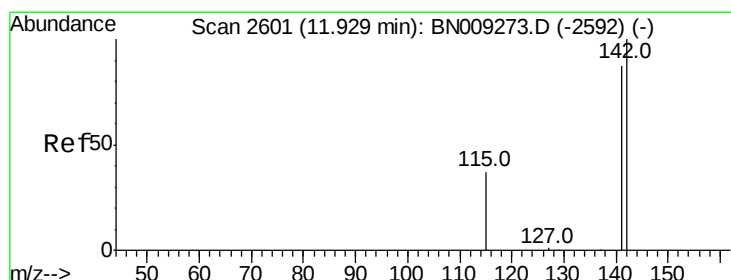
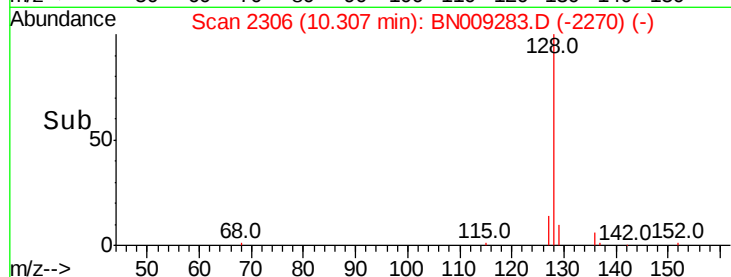
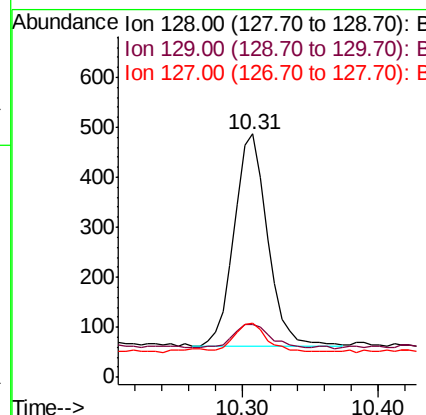
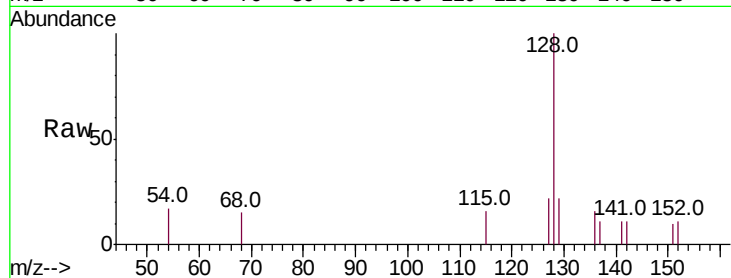
ClientSampleId :

C0C56DL

Tot Ion:	128	Resp:	723
Ion Ratio	Lower	Upper	
128	100		
129	21.8	9.0	13.4#
127	22.2	10.9	16.3#

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#5

2-Methylnaphthalene

Concen: 0.033 ng/ul

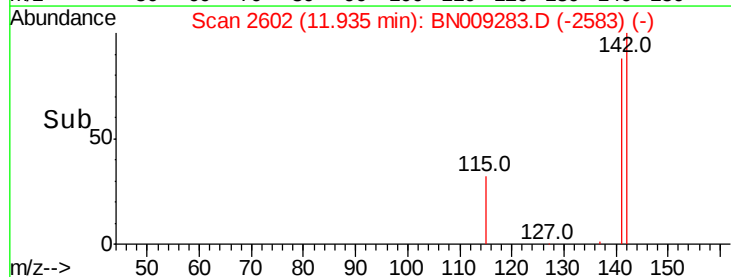
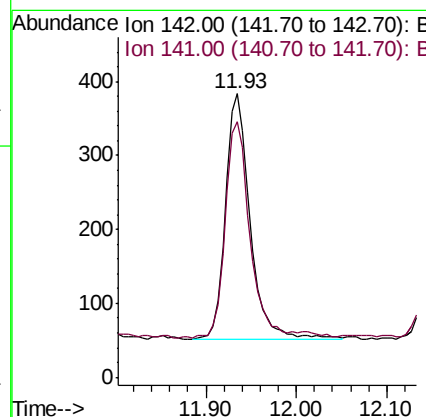
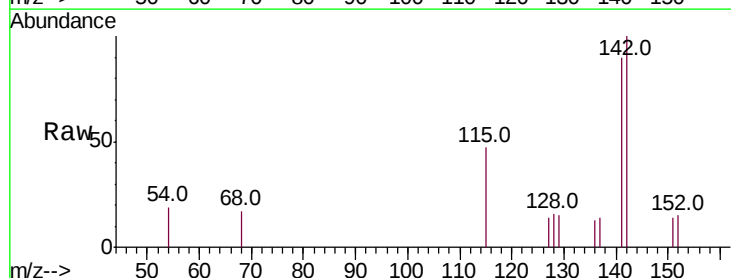
RT: 11.93 min Scan# 2602

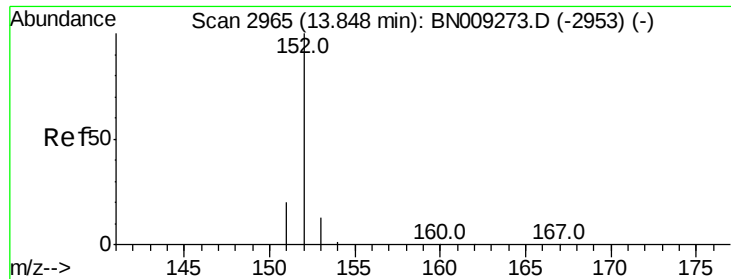
Delta R.T. 0.01 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Tgt Ion:	142	Resp:	626
Ion Ratio	Lower	Upper	
142	100		
141	90.7	70.2	105.4





#7

Acenaphthylene

Concen: 0.109 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. 0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

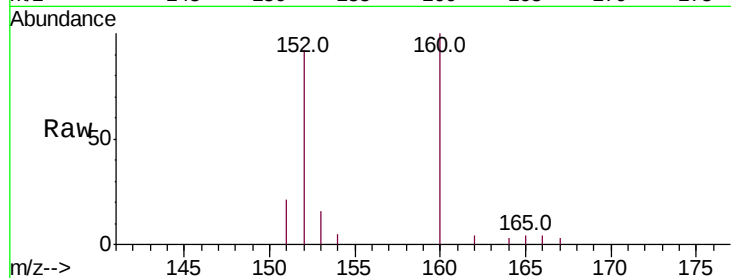
ClientSampleId :

C0C56DL

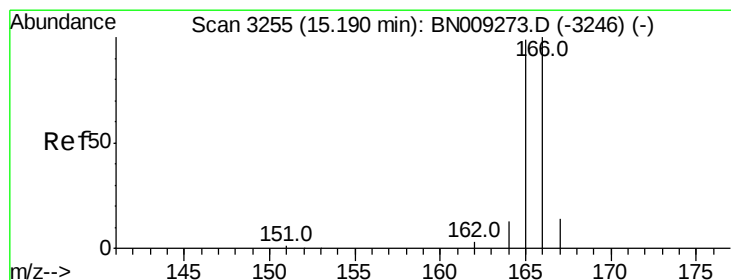
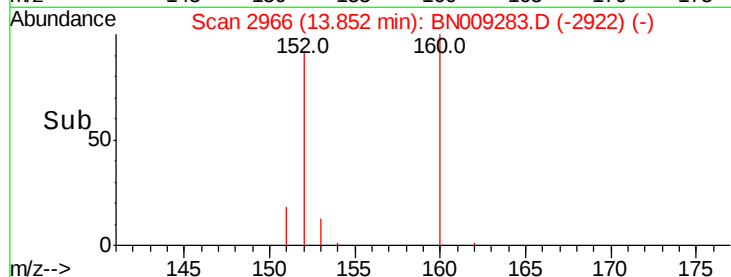
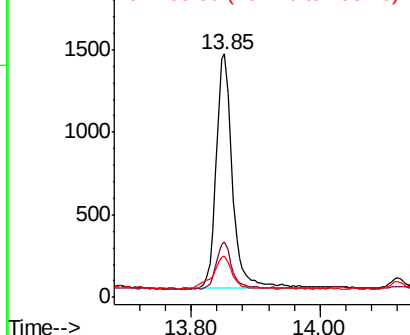
Tot Ion:	152	Resp:	2520
Ion Ratio	Lower	Upper	
152	100		
151	23.0	15.7	23.5
153	16.8	10.8	16.2

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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



#9

Fluorene

Concen: 0.021 ng/ul

RT: 15.19 min Scan# 3256

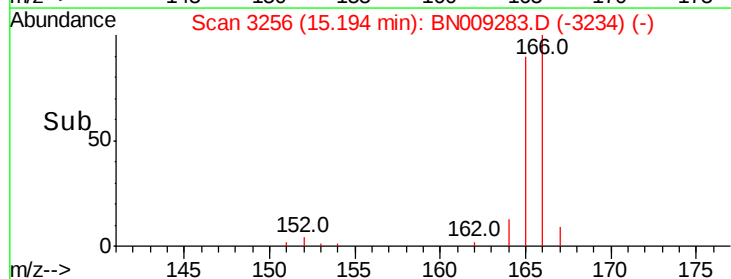
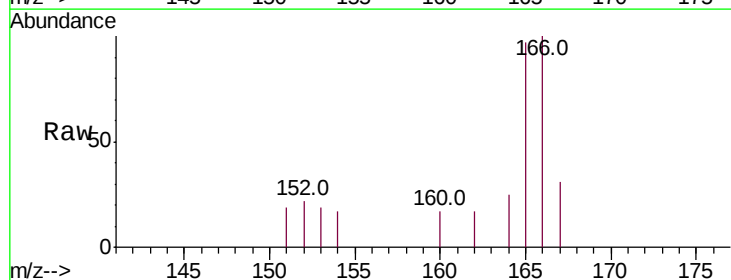
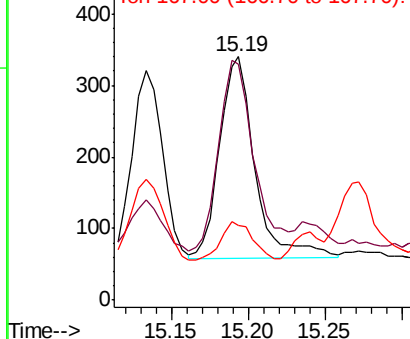
Delta R.T. 0.00 min

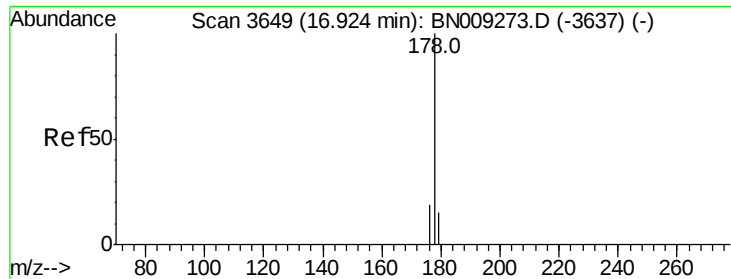
Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Tgt Ion:	166	Resp:	450
Ion Ratio	Lower	Upper	
166	100		
165	96.8	78.2	117.4
167	30.9	11.0	16.6

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: 0.297 ng/ul

RT: 16.92 min Scan# 3649

Delta R.T. -0.00 min

Lab File: BN009283.D

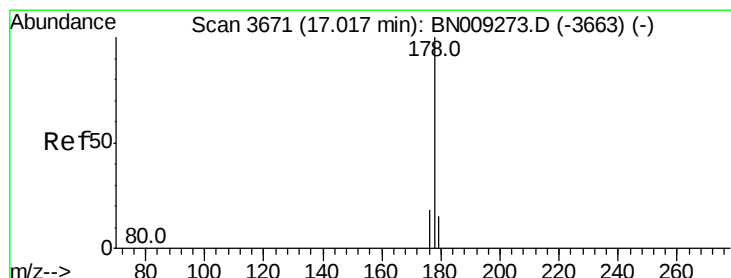
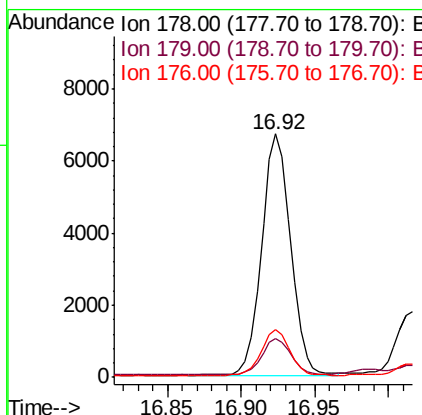
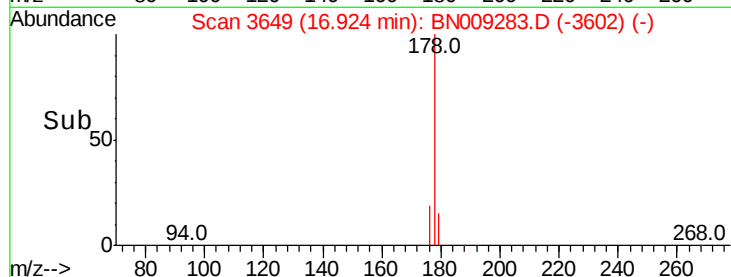
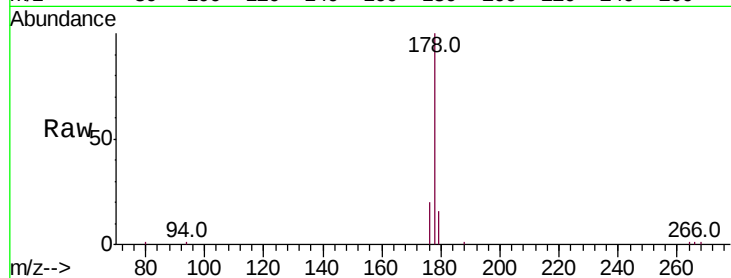
Acq: 31 Dec 2019 16:12

Instrument :
BNA_N
ClientSampleId :
C0C56DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.3	18.5
176	19.5	15.1	22.7

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#13

Anthracene

Concen: 0.091 ng/ul

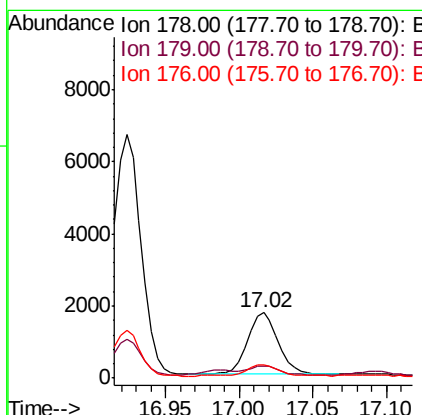
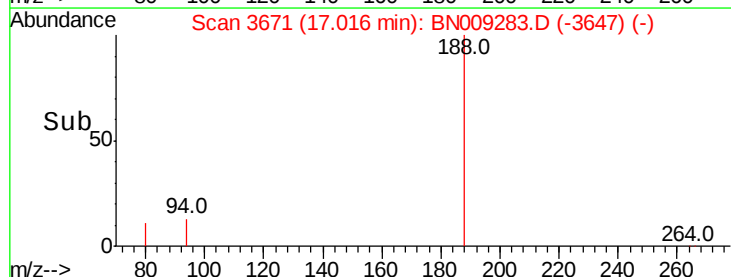
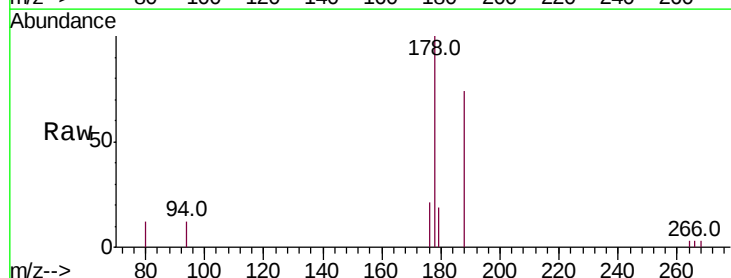
RT: 17.02 min Scan# 3671

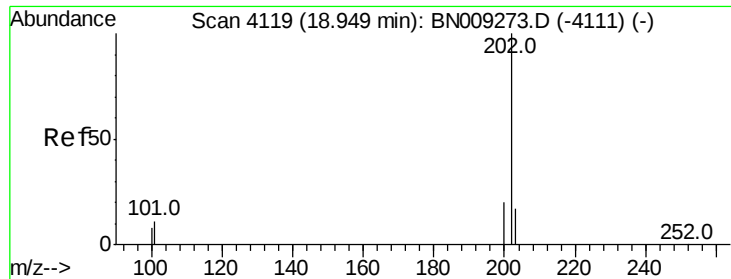
Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.6	12.5	18.7
176	20.6	14.9	22.3





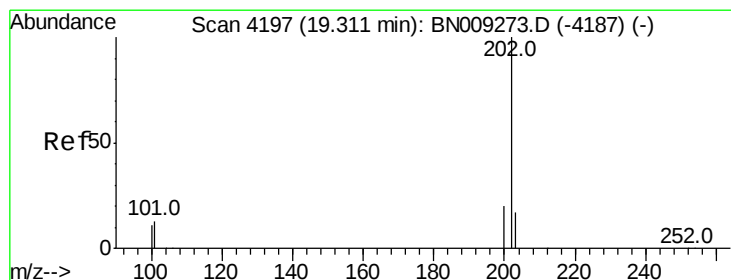
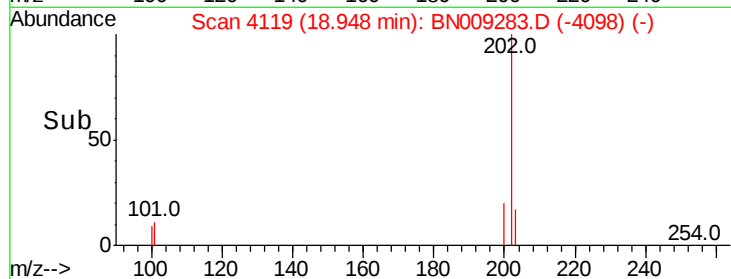
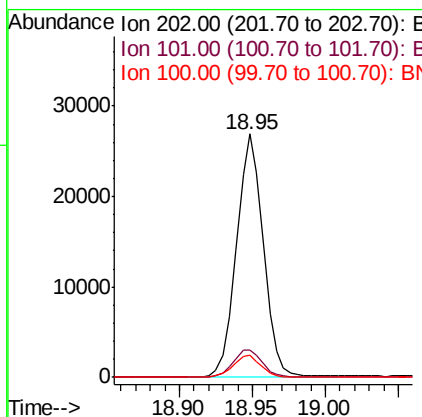
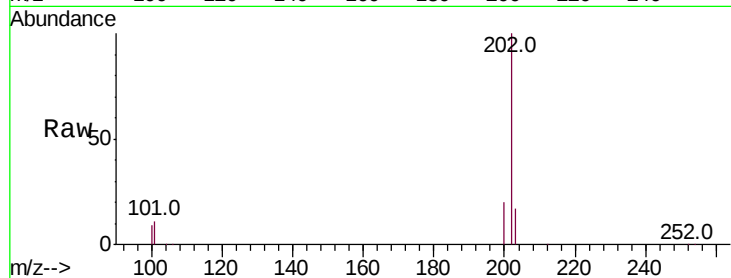
#15
Fluoranthene
 Concen: 0.968 ng/ul
 RT: 18.95 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: BN009283.D
 Acq: 31 Dec 2019 16:12

Instrument :
 BNA_N
 ClientSampleId :
 C0C56DL

Tot Ion:	202	Resp:	33921
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.5
100	9.0	0.0	28.9

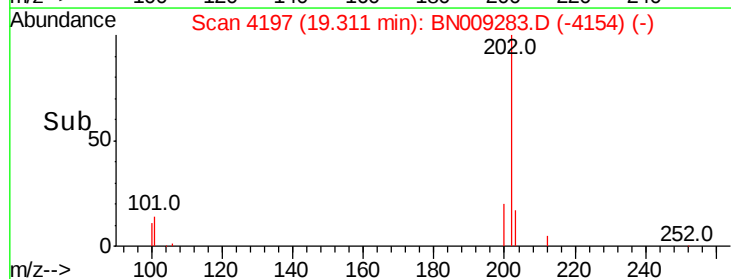
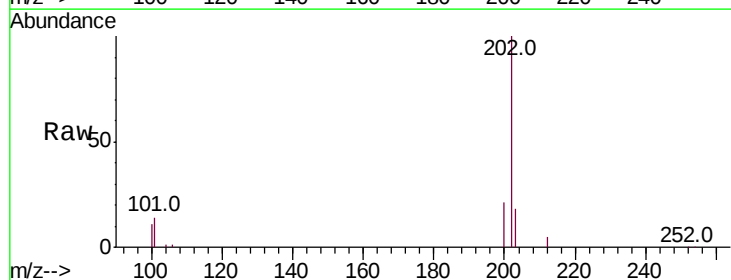
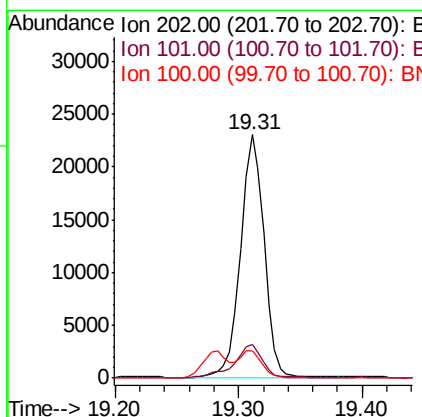
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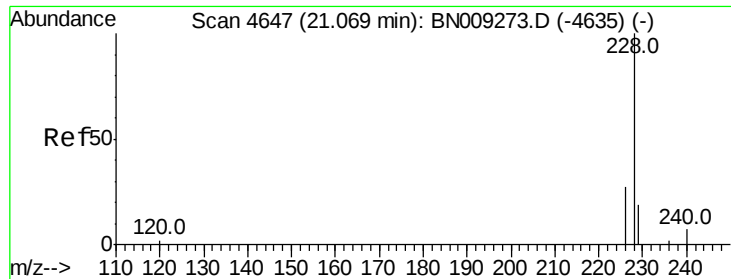
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#17
Pyrene
 Concen: 0.847 ng/ul
 RT: 19.31 min Scan# 4197
 Delta R.T. -0.00 min
 Lab File: BN009283.D
 Acq: 31 Dec 2019 16:12

Tgt Ion:	202	Resp:	30477
Ion Ratio	Lower	Upper	
202	100		
101	13.8	10.9	16.3
100	11.0	9.0	13.6





#18

Benzo(a)anthracene

Concen: 0.452 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

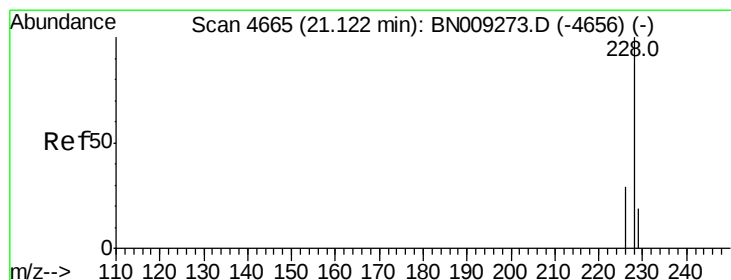
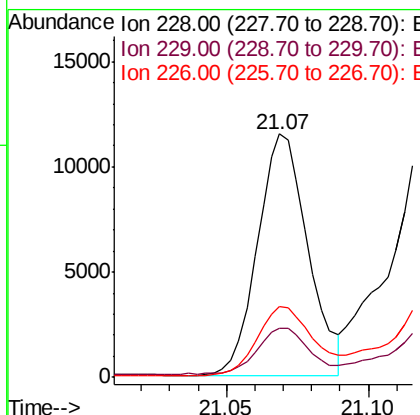
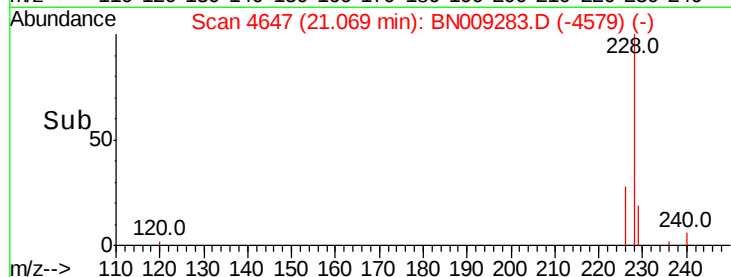
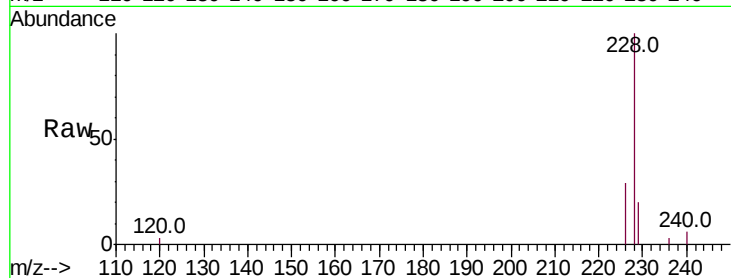
ClientSampleId :

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Tot Ion:	228	Resp:	14164
Ion Ratio	Lower	Upper	
228	100		
229	20.3	15.5	23.3
226	28.9	21.7	32.5

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#19

Chrysene

Concen: 0.593 ng/ul

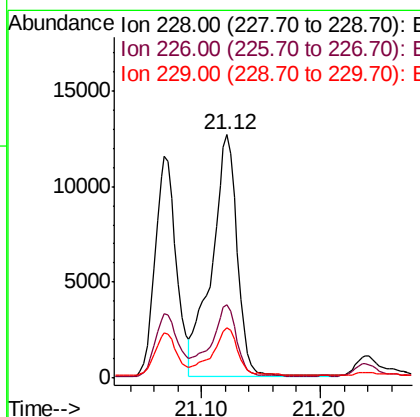
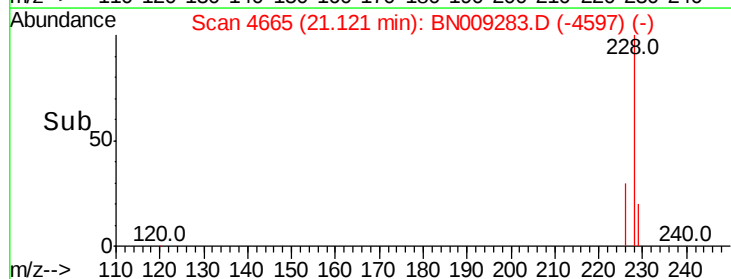
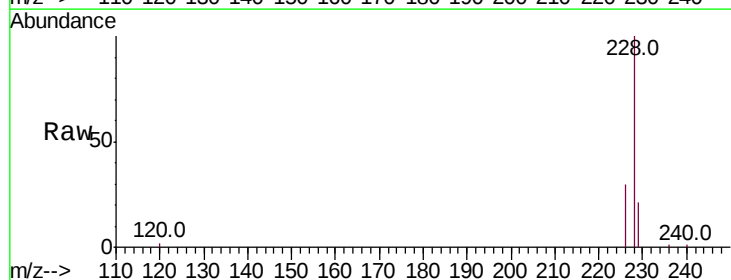
RT: 21.12 min Scan# 4665

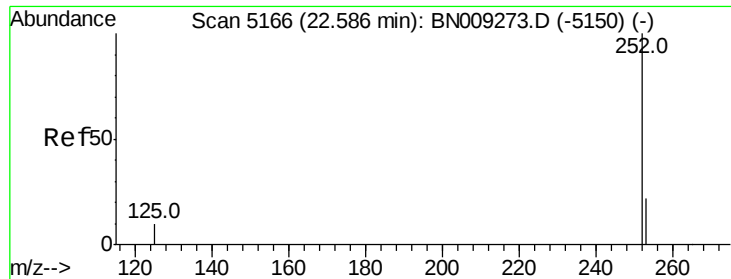
Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Tgt Ion:	228	Resp:	18658
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.7	35.5
229	20.7	15.4	23.0





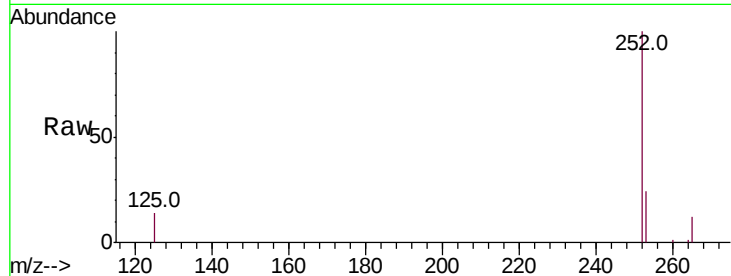
#21
Benzo(b)fluoranthene
Concen: 0.851 ng/ul m
RT: 22.59 min Scan# 5166
Delta R.T. -0.00 min
Lab File: BN009283.D
Acq: 31 Dec 2019 16:12

Instrument :
BNA_N
ClientSampleId :
C0C56DL

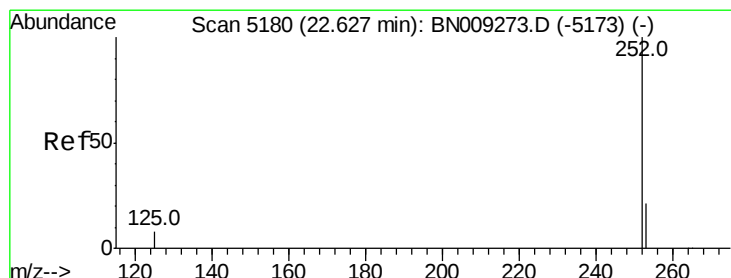
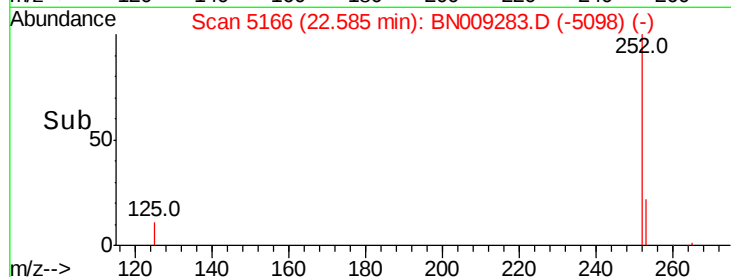
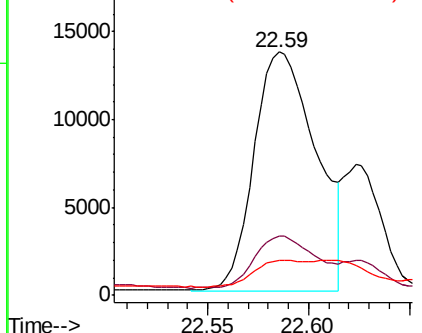
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	0.0	48.2
125	14.2	0.0	30.0

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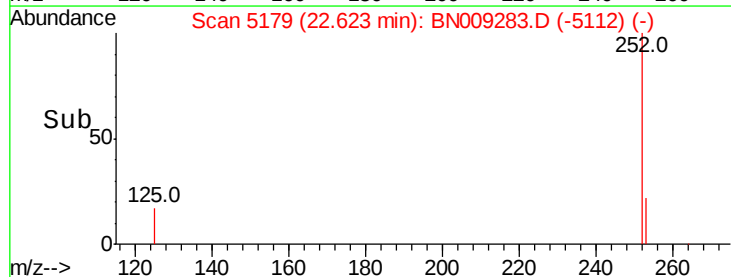
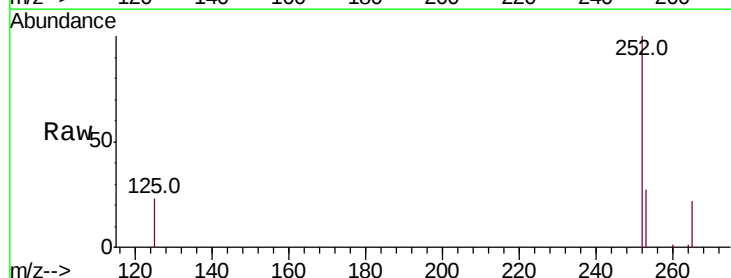
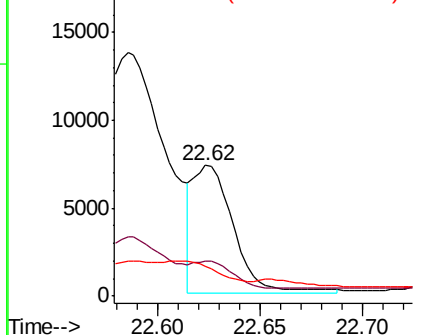
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

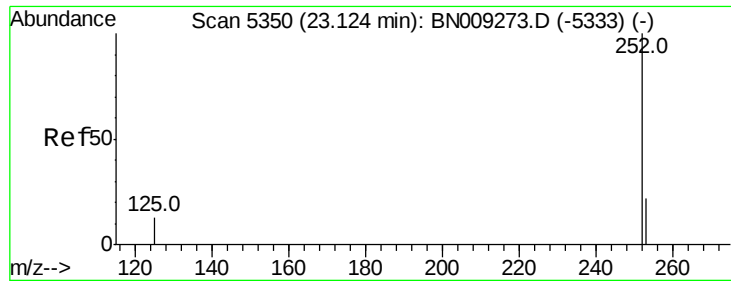


#22
Benzo(k)fluoranthene
Concen: 0.286 ng/ul m
RT: 22.62 min Scan# 5179
Delta R.T. -0.00 min
Lab File: BN009283.D
Acq: 31 Dec 2019 16:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	19.4	29.0
125	23.3	12.4	18.6

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





#23

Benzo(a)pyrene

Concen: 0.578 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.00 min

Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Instrument :

BNA_N

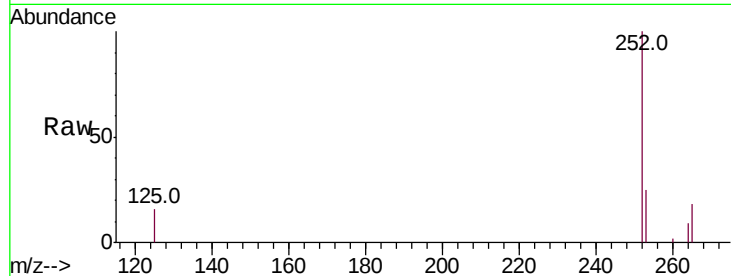
ClientSampled :

C0C56DL

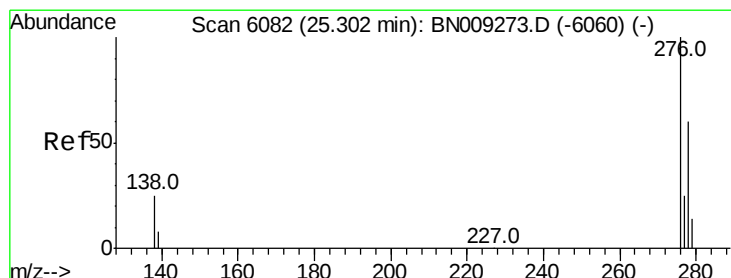
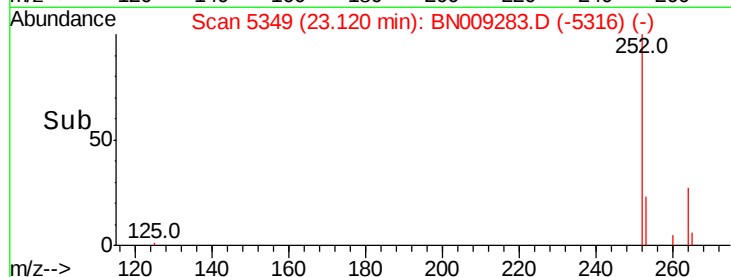
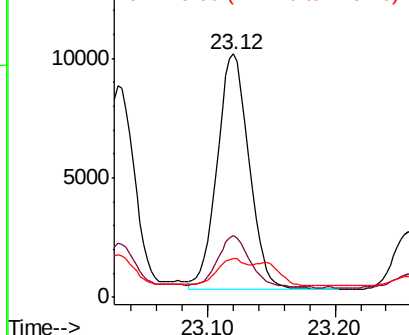
Tot Ion:	252	Resp:	17267
Ion Ratio	Lower	Upper	
252	100		
253	25.2	20.2	30.4
125	15.8	13.2	19.8

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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: 0.434 ng/ul

RT: 25.30 min Scan# 6082

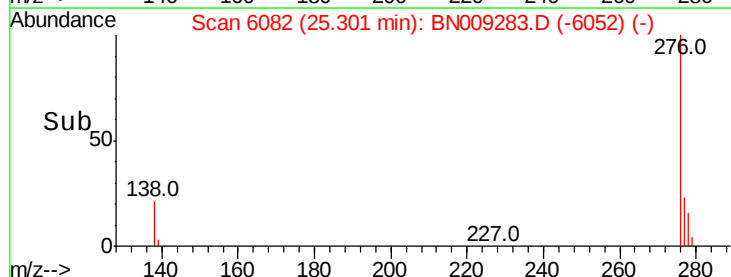
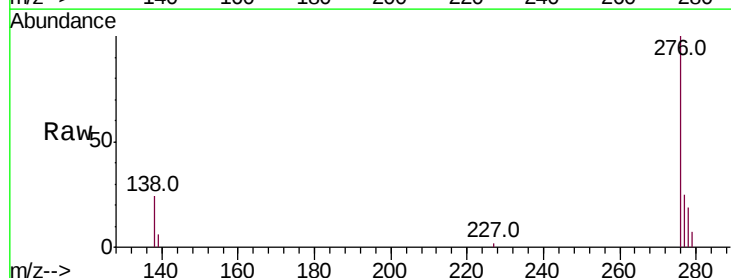
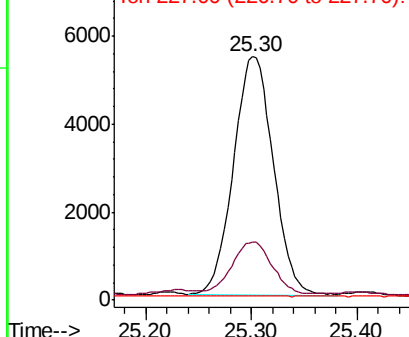
Delta R.T. -0.00 min

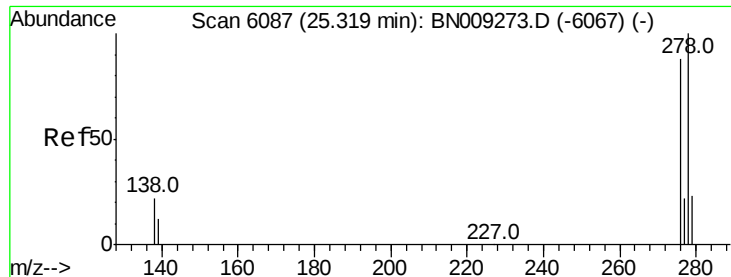
Lab File: BN009283.D

Acq: 31 Dec 2019 16:12

Tgt Ion:	276	Resp:	14126
Ion Ratio	Lower	Upper	
276	100		
138	21.8	22.4	33.6#
227	0.2	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





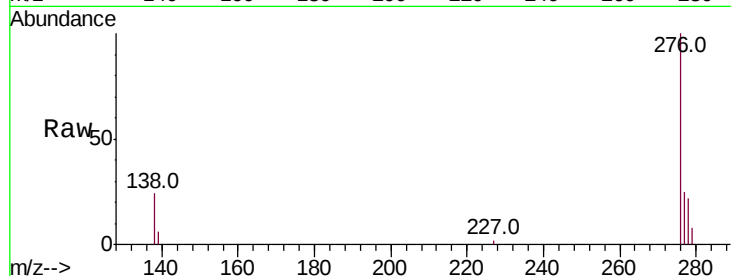
#25
Dibenzo(a,h)anthracene
Concen: 0.118 ng/ul
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009283.D
Acq: 31 Dec 2019 16:12

Instrument :
BNA_N
ClientSampleId :
C0C56DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.5	16.2	24.2#
279	34.5	20.3	30.5#

Manual Integrations
APPROVED

mohammad
1/1/2020 8:17:11 AM

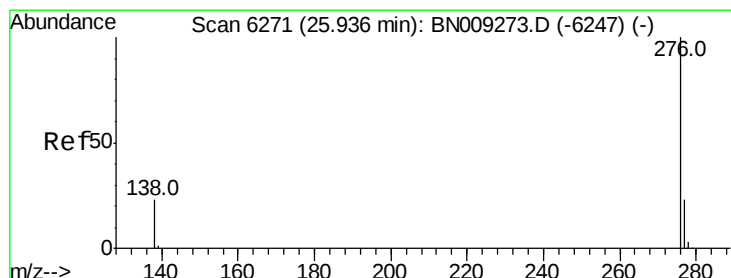
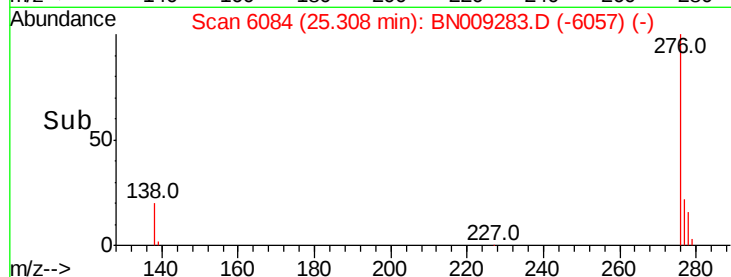
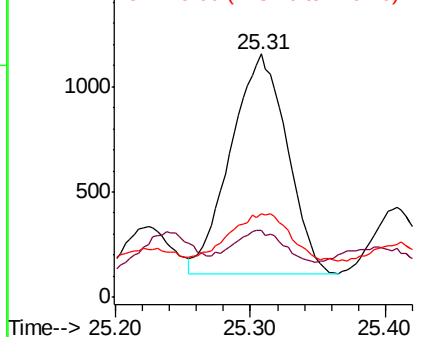


Abundance

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: 0.532 ng/ul
RT: 25.93 min Scan# 6270
Delta R.T. -0.00 min
Lab File: BN009283.D
Acq: 31 Dec 2019 16:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.6	30.8
277	24.5	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

