

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
 Data File : BN009266.D
 Acq On : 30 Dec 2019 18:55
 Operator : JU
 Sample : K6322-05DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0C35DL

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Quant Time: Dec 31 01:21:20 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 00:59:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2519	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9326	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	5030	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9434	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	6728	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6960	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1089	0.07	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	2091	0.08	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	5069	0.179	ng/ul	98
5) 2-Methylnaphthalene	11.93	142	2094	0.098	ng/ul	100
7) Acenaphthylene	13.85	152	2062	0.078	ng/ul#	92
12) Phenanthrene	16.92	178	5049	0.154	ng/ul	96
13) Anthracene	17.02	178	6475	0.220	ng/ul	98
15) Fluoranthene	18.95	202	2991	0.080	ng/ul	94
17) Pyrene	19.31	202	4064	0.118	ng/ul	94
18) Benzo(a)anthracene	21.07	228	3672	0.123	ng/ul#	81
19) Chrysene	21.12	228	2614m	0.087	ng/ul	
21) Benzo(b)fluoranthene	22.58	252	29727m	0.915	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	9881m	0.302	ng/ul	
23) Benzo(a)pyrene	23.12	252	13386	0.470	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.30	276	8184	0.264	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.31	278	2256	0.091	ng/ul#	69
26) Benzo(g,h,i)perylene	25.93	276	6045	0.231	ng/ul	97

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

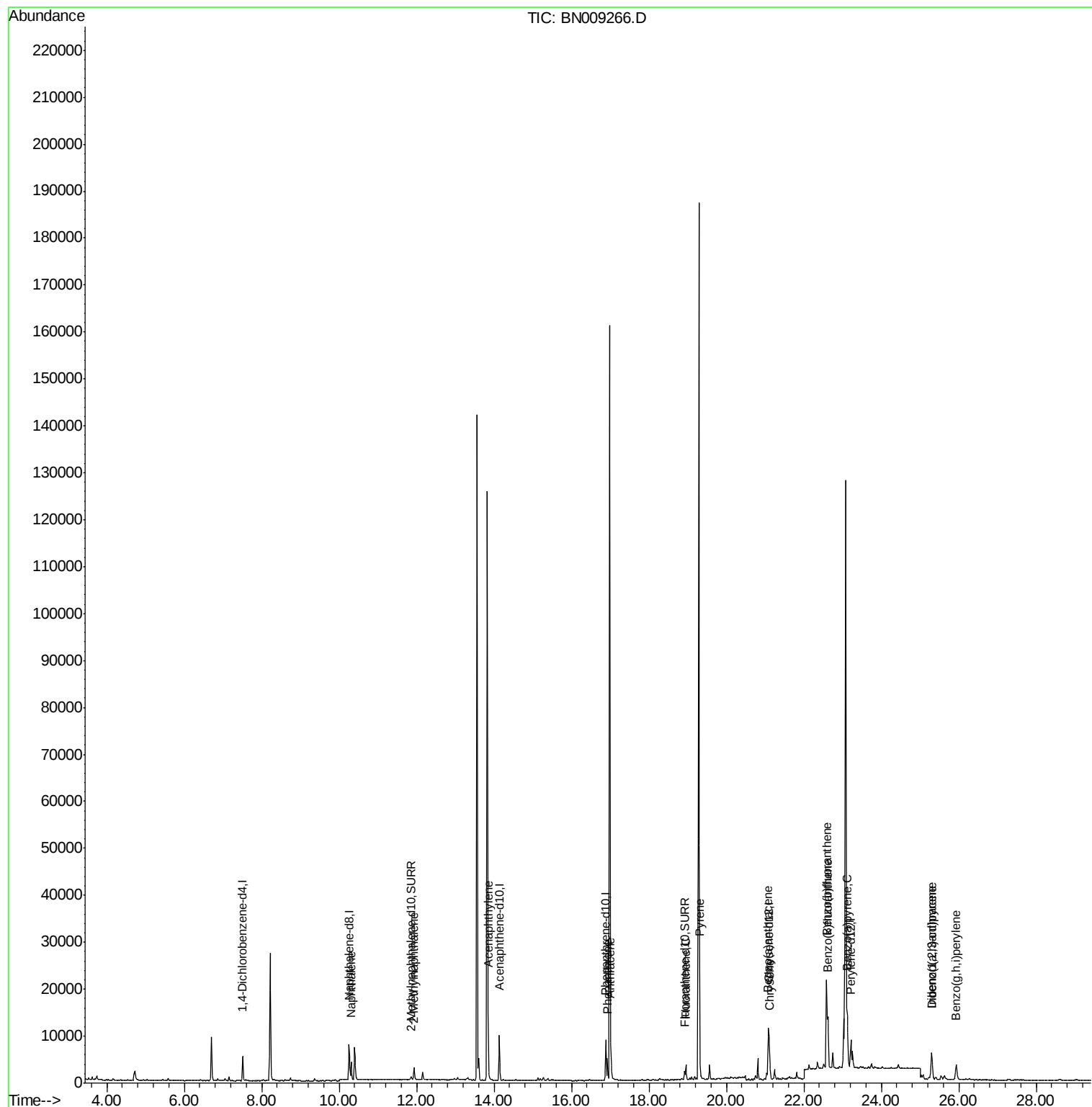
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
Data File : BN009266.D
Acq On : 30 Dec 2019 18:55
Operator : JU
Sample : K6322-05DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

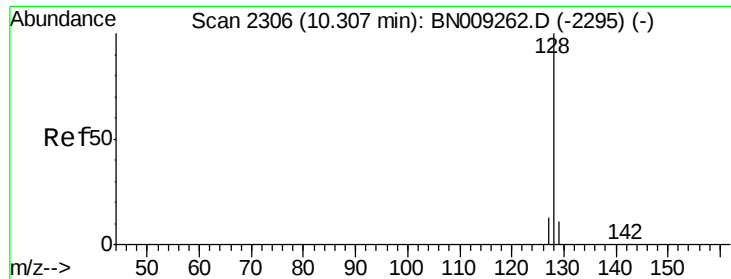
Instrument :
BNA_N
ClientSampleId :
C0C35DL

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Quant Time: Dec 31 01:21:20 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 00:59:26 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.179 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BN009266.D

Acq: 30 Dec 2019 18:55

Instrument :

BNA_N

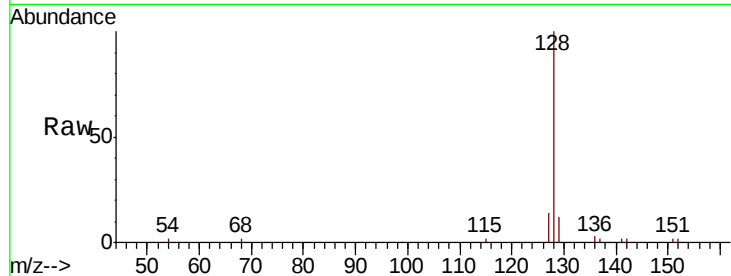
ClientSampleId :

C0C35DL

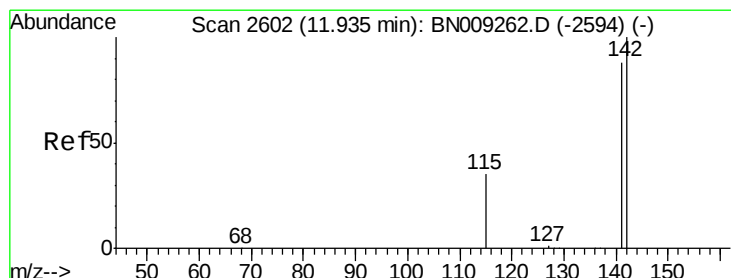
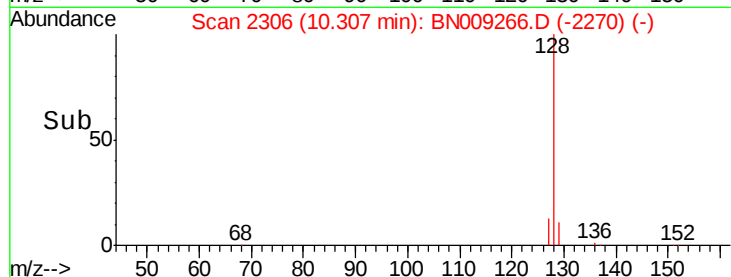
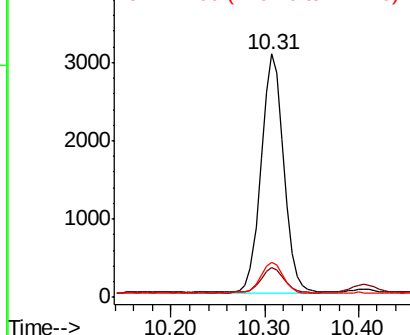
Tot Ion:	128	Resp:	5069
Ion Ratio	Lower	Upper	
128	100		
129	12.3	9.0	13.4
127	14.5	10.9	16.3

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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: 0.098 ng/ul

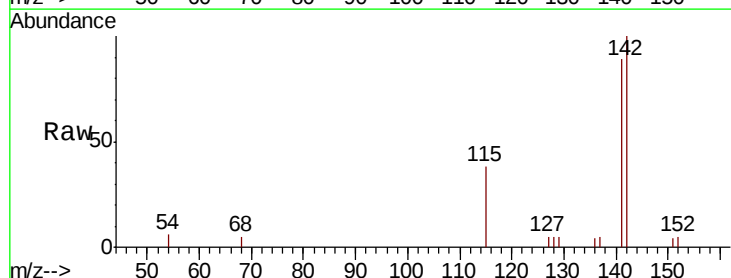
RT: 11.93 min Scan# 2602

Delta R.T. -0.00 min

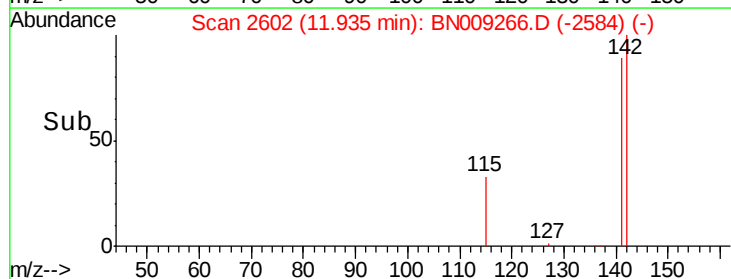
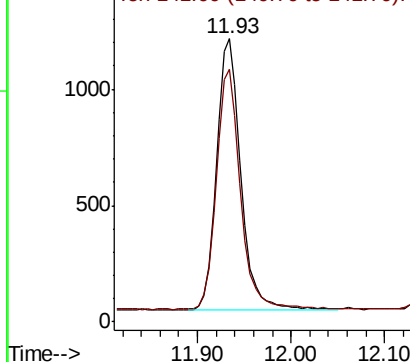
Lab File: BN009266.D

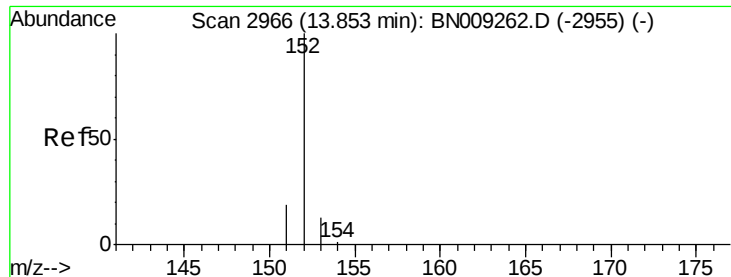
Acq: 30 Dec 2019 18:55

Tgt Ion:	142	Resp:	2094
Ion Ratio	Lower	Upper	
142	100		
141	88.1	70.2	105.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.078 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009266.D

Acq: 30 Dec 2019 18:55

Instrument :

BNA_N

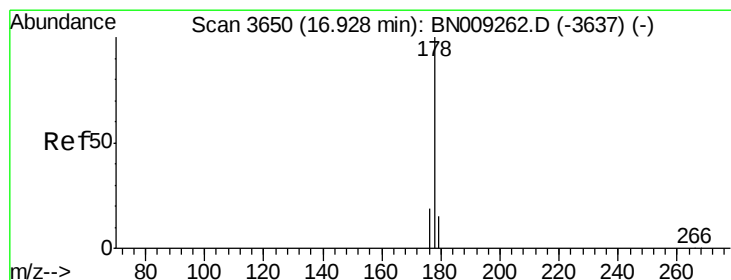
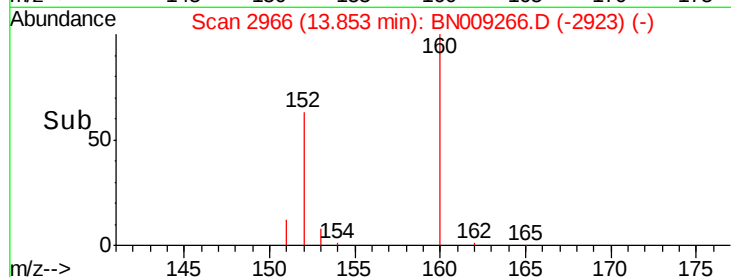
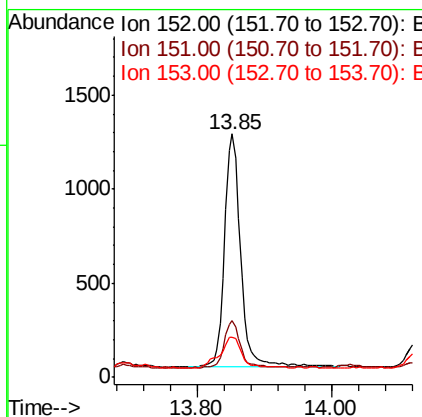
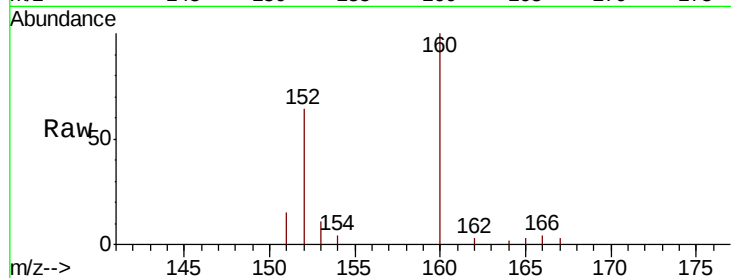
ClientSampleId :

C0C35DL

Tot Ion:	152	Resp:	2062
Ion Ratio	Lower	Upper	
152	100		
151	23.1	15.7	23.5
153	16.5	10.8	16.2

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#12

Phenanthrene

Concen: 0.154 ng/ul

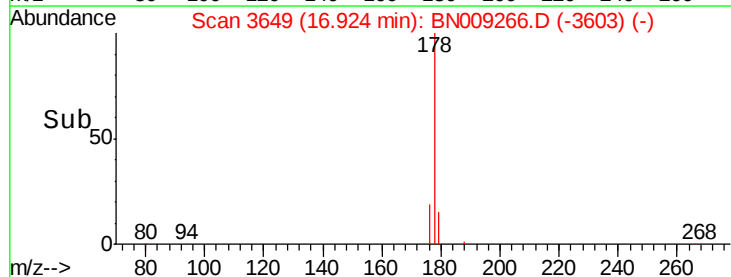
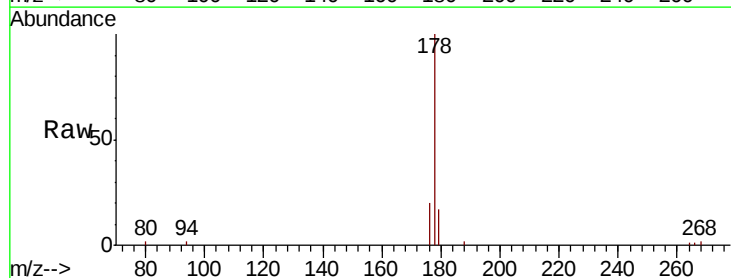
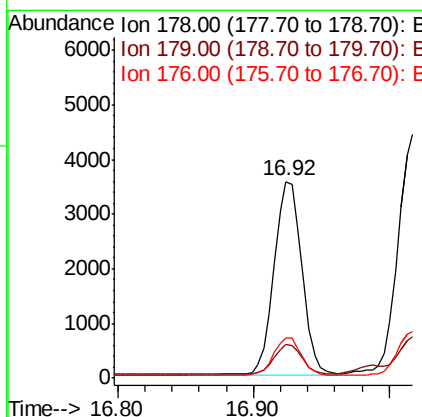
RT: 16.92 min Scan# 3649

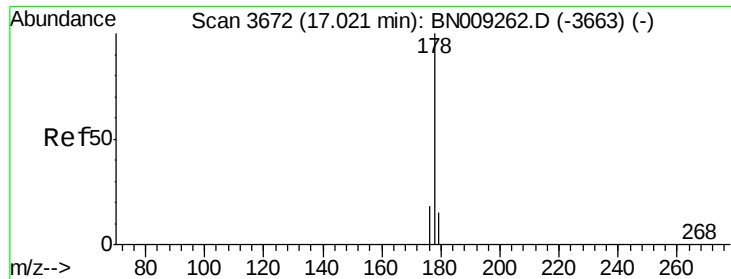
Delta R.T. -0.00 min

Lab File: BN009266.D

Acq: 30 Dec 2019 18:55

Tgt Ion:	178	Resp:	5049
Ion Ratio	Lower	Upper	
178	100		
179	17.2	12.3	18.5
176	20.3	15.1	22.7





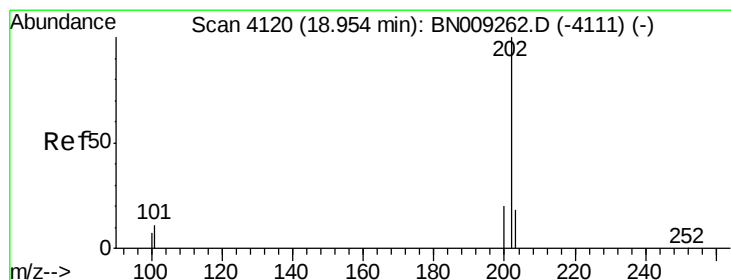
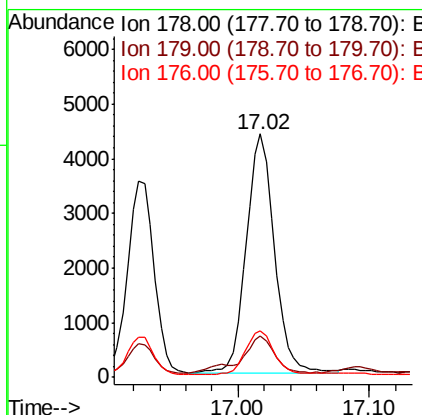
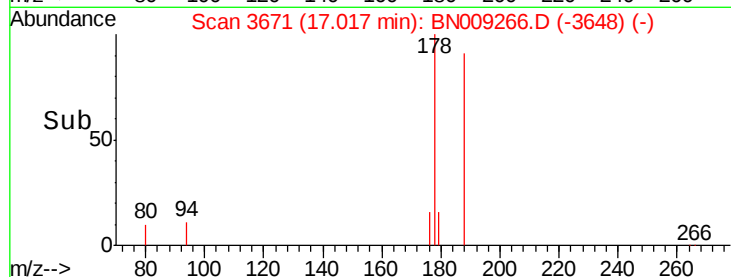
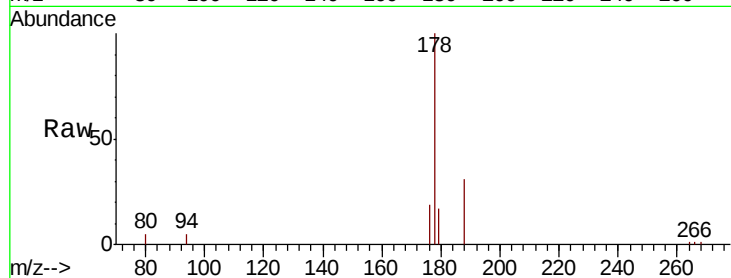
#13
 Anthracene
 Concen: 0.220 ng/ul
 RT: 17.02 min Scan# 3671
 Delta R.T. -0.00 min
 Lab File: BN009266.D
 Acq: 30 Dec 2019 18:55

Instrument :
 BNA_N
 ClientSampleId :
 C0C35DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.5	18.7
176	19.1	14.9	22.3

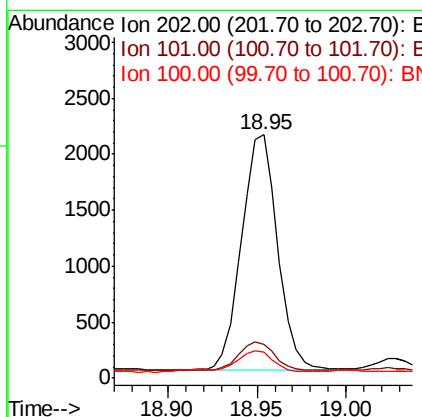
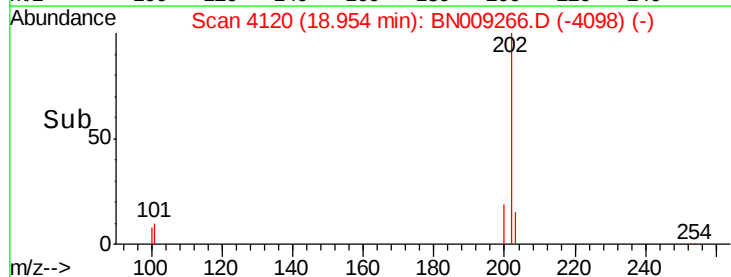
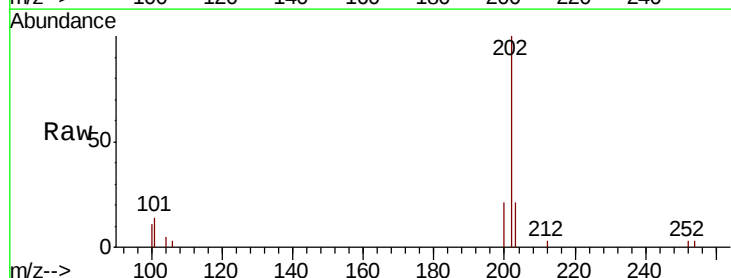
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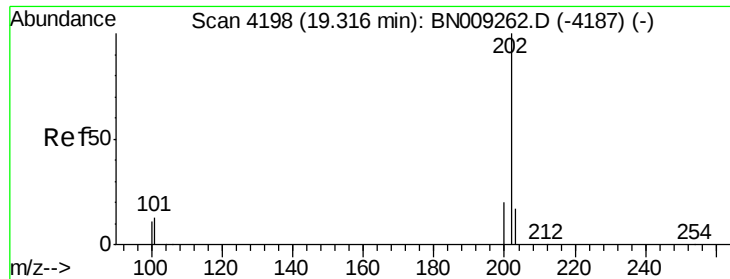
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#15
 Fluoranthene
 Concen: 0.080 ng/ul
 RT: 18.95 min Scan# 4120
 Delta R.T. -0.00 min
 Lab File: BN009266.D
 Acq: 30 Dec 2019 18:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	31.5
100	10.6	0.0	28.9





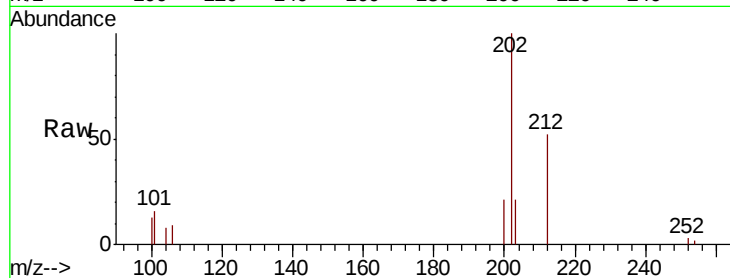
#17
Pvrene
Concen: 0.118 ng/ul
RT: 19.31 min Scan# 4197
Delta R.T. -0.00 min
Lab File: BN009266.D
Acq: 30 Dec 2019 18:55

Instrument :
BNA_N
ClientSampleId :
C0C35DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.0	10.9	16.3
100	13.3	9.0	13.6

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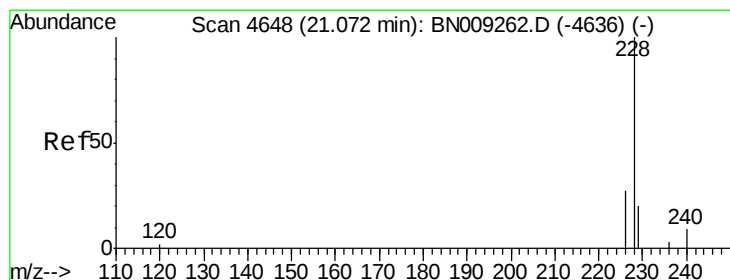
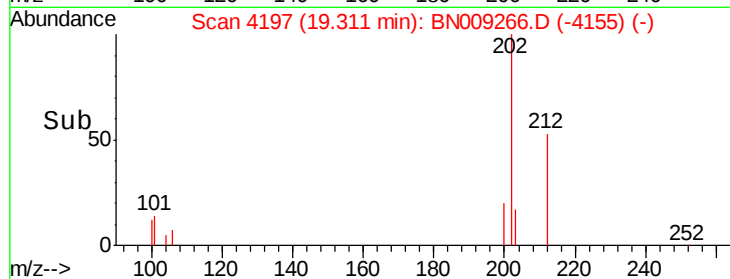
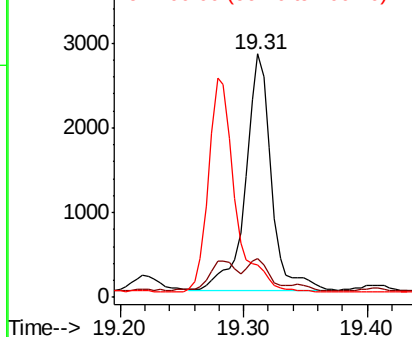


Abundance

Ion 202.00 (201.70 to 202.70): E

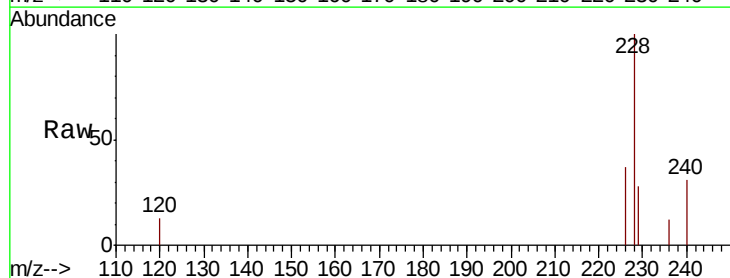
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18
Benzo(a)anthracene
Concen: 0.123 ng/ul
RT: 21.07 min Scan# 4647
Delta R.T. -0.00 min
Lab File: BN009266.D
Acq: 30 Dec 2019 18:55

Tgt Ion	Ratio	Lower	Upper
228	100		
229	28.4	15.5	23.3#
226	36.9	21.7	32.5#

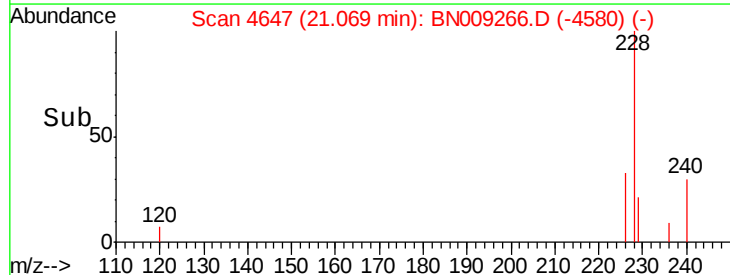
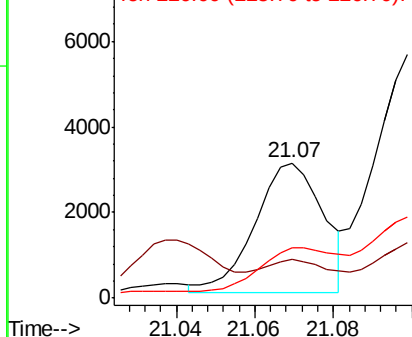


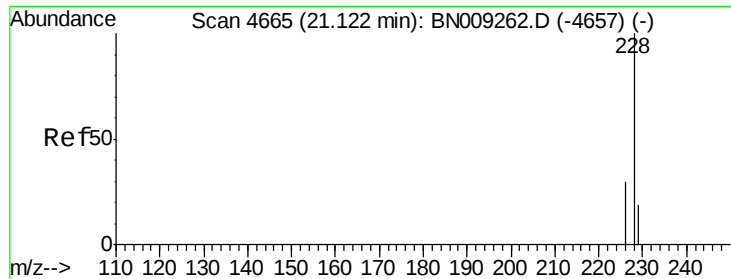
Abundance

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: 0.087 ng/ul m

RT: 21.12 min Scan# 4664

Delta R.T. -0.00 min

Lab File: BN009266.D

Acq: 30 Dec 2019 18:55

Instrument :

BNA_N

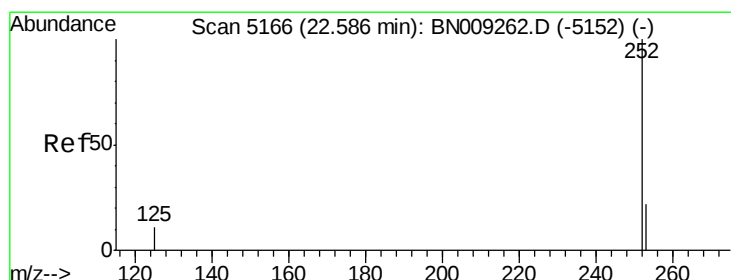
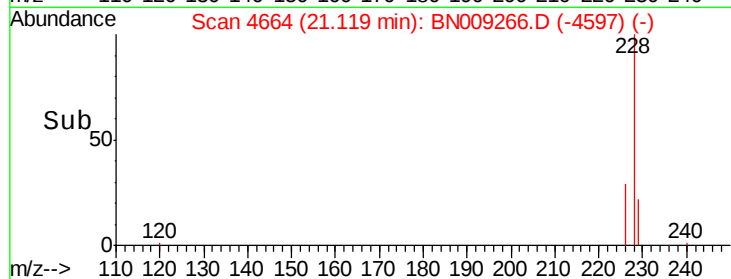
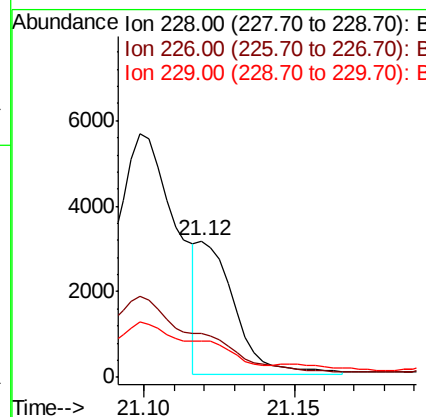
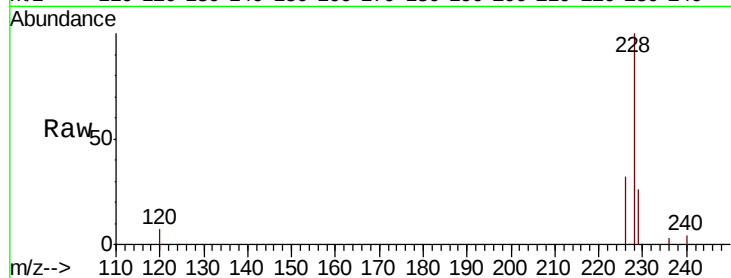
ClientSampleId :

C0C35DL

Tot Ion:	228	Resp:	2614
Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.7	35.5
229	26.3	15.4	23.0#

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#21

Benzo(b)fluoranthene

Concen: 0.915 ng/ul m

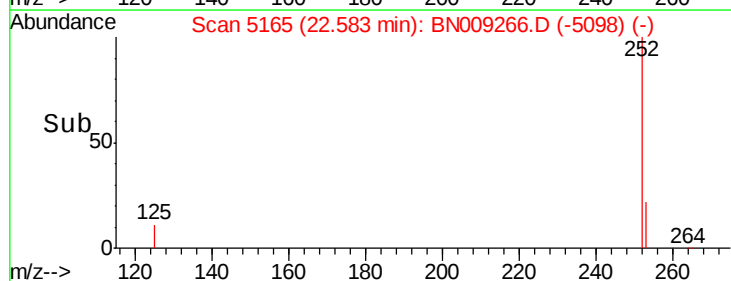
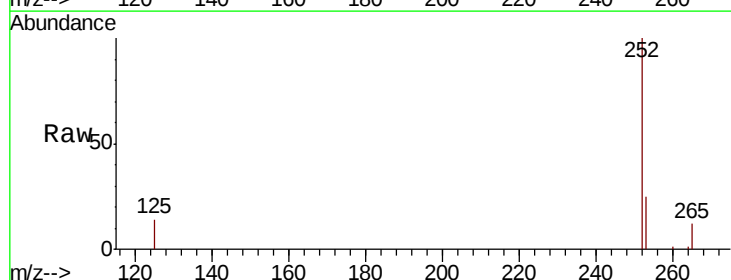
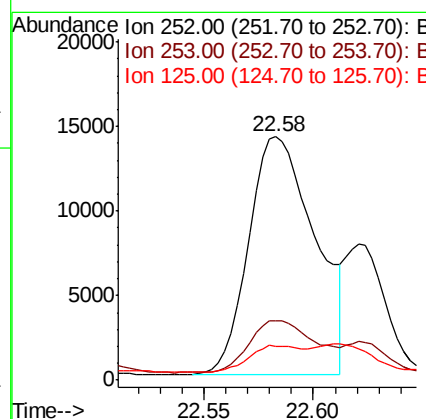
RT: 22.58 min Scan# 5165

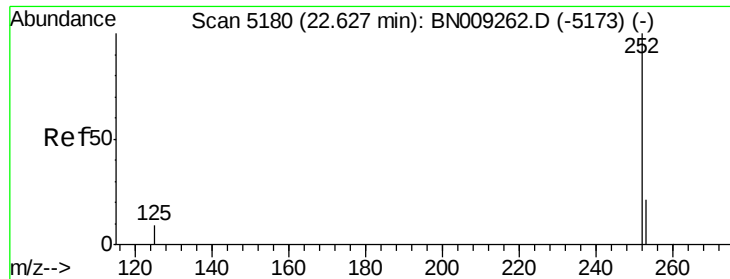
Delta R.T. -0.00 min

Lab File: BN009266.D

Acq: 30 Dec 2019 18:55

Tgt Ion:	252	Resp:	29727
Ion	Ratio	Lower	Upper
252	100		
253	24.6	0.0	48.2
125	14.0	0.0	30.0





#22

Benzo(k)fluoranthene

Concen: 0.302 ng/ul m

RT: 22.62 min Scan# 5178

Delta R.T. -0.01 min

Lab File: BN009266.D

Acq: 30 Dec 2019 18:55

Instrument :

BNA_N

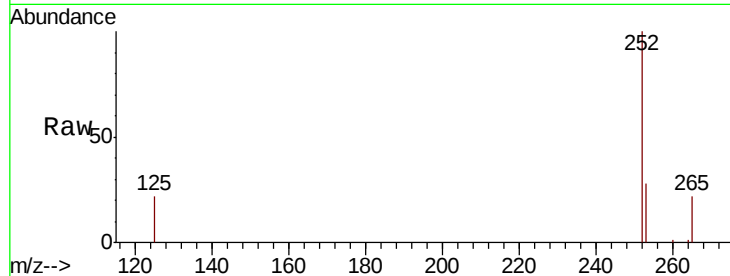
ClientSampleId :

C0C35DL

Tot Ion:	252	Resp:	9881
Ion Ratio	Lower	Upper	
252	100		
253	28.3	19.4	29.0
125	22.5	12.4	18.6

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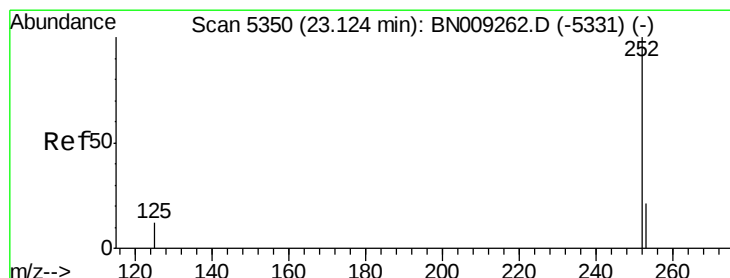
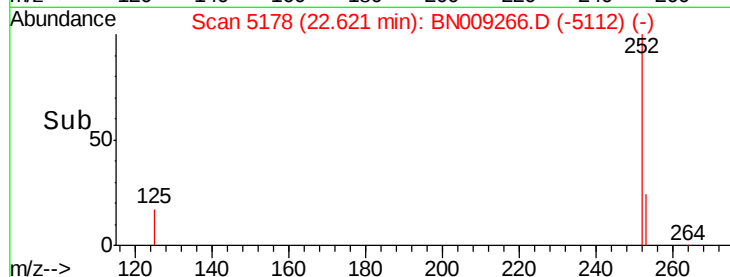
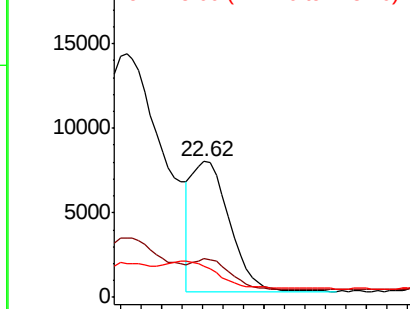


Abundance

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



#23

Benzo(a)pyrene

Concen: 0.470 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009266.D

Acq: 30 Dec 2019 18:55

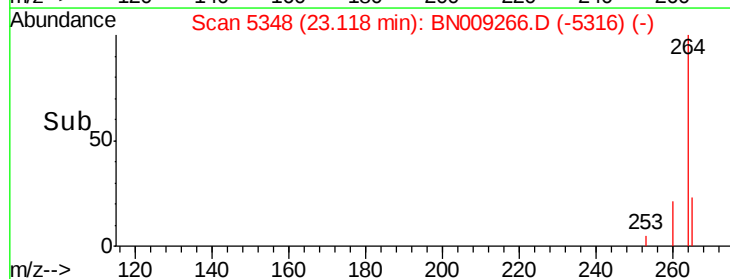
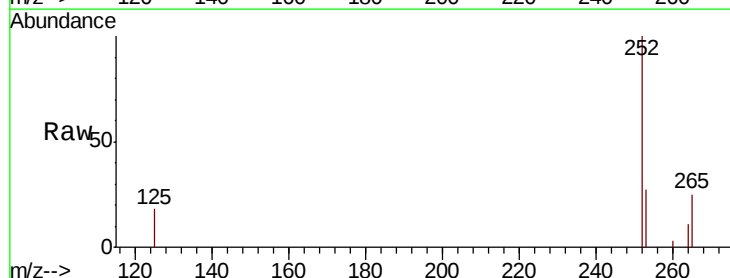
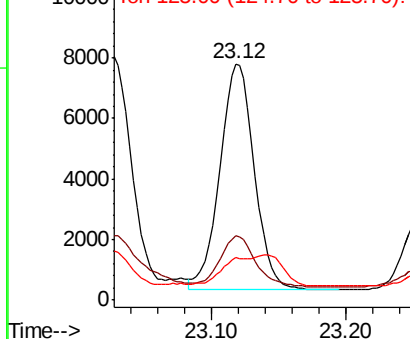
Tgt Ion:	252	Resp:	13386
Ion Ratio	Lower	Upper	
252	100		
253	27.2	20.2	30.4
125	17.9	13.2	19.8

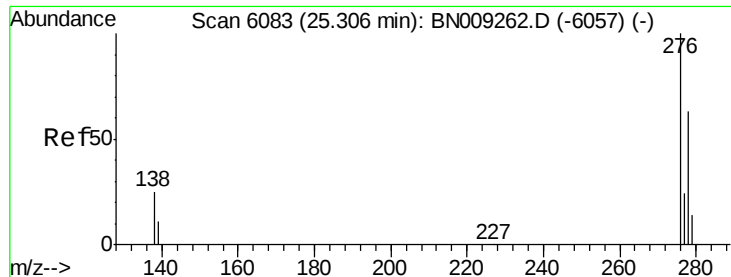
Abundance

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





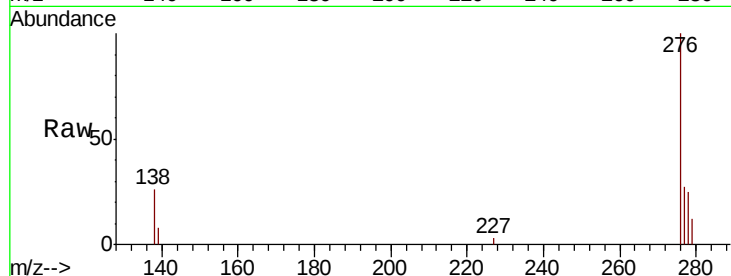
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.264 ng/ul
RT: 25.30 min Scan# 6081
Delta R.T. -0.01 min
Lab File: BN009266.D
Acq: 30 Dec 2019 18:55

Instrument :
BNA_N
ClientSampleId :
C0C35DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	22.4	33.6
227	0.5	0.2	0.4

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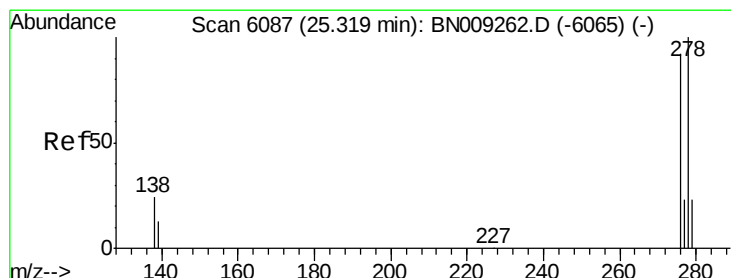
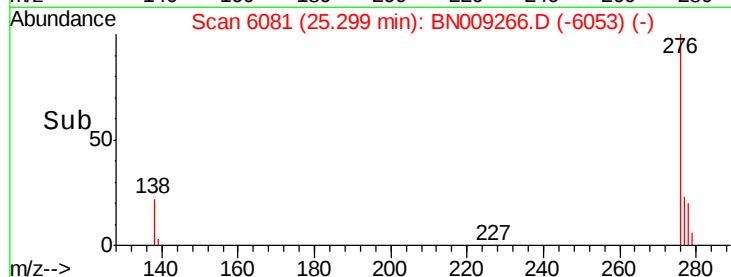
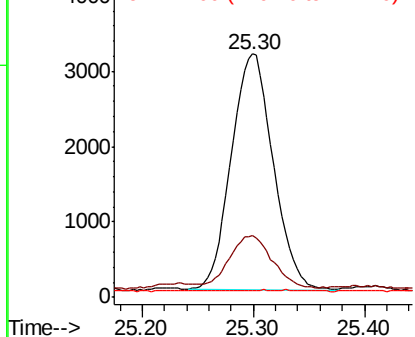


Abundance

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: 0.091 ng/ul
RT: 25.31 min Scan# 6083
Delta R.T. -0.01 min
Lab File: BN009266.D
Acq: 30 Dec 2019 18:55

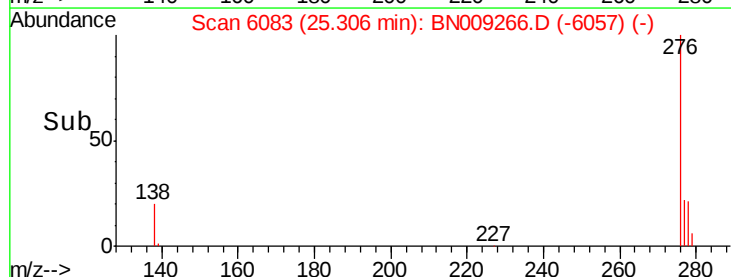
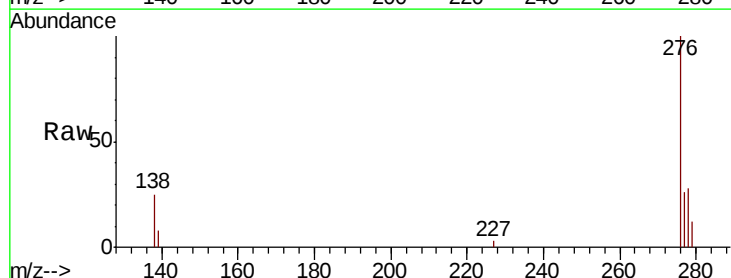
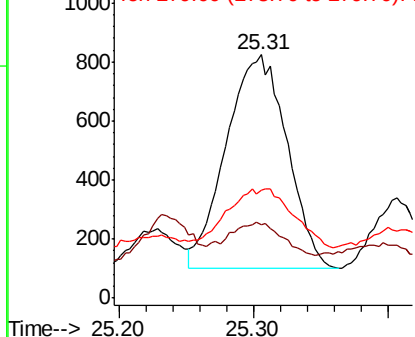
Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.1	16.2	24.2
279	44.5	20.3	30.5

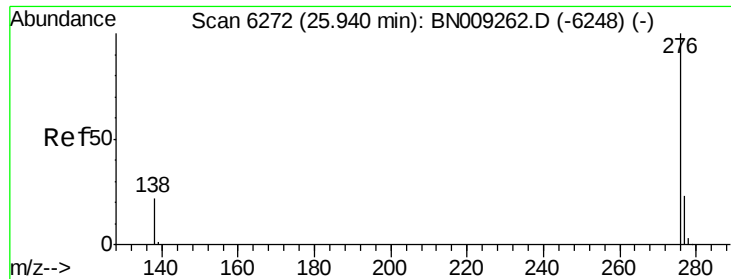
Abundance

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: 0.231 ng/ul
 RT: 25.93 min Scan# 6270
 Delta R.T. -0.01 min
 Lab File: BN009266.D
 Acq: 30 Dec 2019 18:55

Instrument :
 BNA_N
 ClientSampleId :
 C0C35DL

Tot Ion:	276	Resp:	6045
Ion Ratio	Lower	Upper	
276	100		
138	26.7	20.6	30.8
277	26.7	19.6	29.4

Manual Integrations
 APPROVED

mohammad
 12/31/2019 12:12:35 PM

