

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121619\
 Data File : BN009005.D
 Acq On : 16 Dec 2019 19:06
 Operator : JU
 Sample : K6089-14DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BR2DL

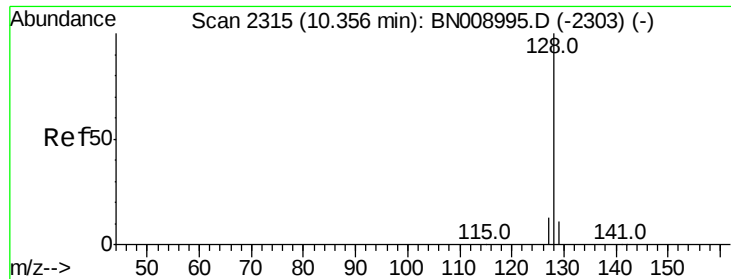
Manual Integrations
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 12/17/2019 5:35:07 AM

Quant Time: Dec 16 19:38:55 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 16 17:48:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2443	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11038	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7283	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16157	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13519	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	12185	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	1827	0.09	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	5616	0.12	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.35	128	30554	0.913	ng/ul	99
5) 2-Methylnaphthalene	11.97	142	28687	1.134	ng/ul	100
7) Acenaphthylene	13.89	152	6838	0.179	ng/ul#	91
9) Fluorene	15.23	166	1414	0.040	ng/ul#	61
12) Phenanthrene	16.96	178	48540	0.864	ng/ul	100
13) Anthracene	17.06	178	4377	0.087	ng/ul#	92
15) Fluoranthene	18.99	202	45316	0.705	ng/ul	97
17) Pyrene	19.35	202	44892	0.651	ng/ul	99
18) Benzo(a)anthracene	21.11	228	31071	0.518	ng/ul#	92
19) Chrysene	21.16	228	43344	0.718	ng/ul#	95
21) Benzo(b)fluoranthene	22.64	252	53069m	0.933	ng/ul	
22) Benzo(k)fluoranthene	22.68	252	15761m	0.275	ng/ul	
23) Benzo(a)pyrene	23.18	252	27490	0.551	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.37	276	16892	0.311	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.38	278	4928	0.114	ng/ul#	72
26) Benzo(a,h,i)perylene	26.01	276	16014	0.350	ng/ul	97

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



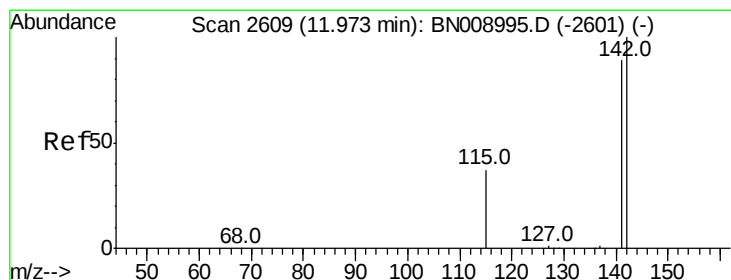
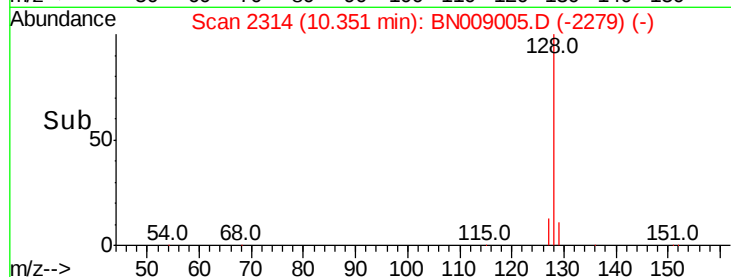
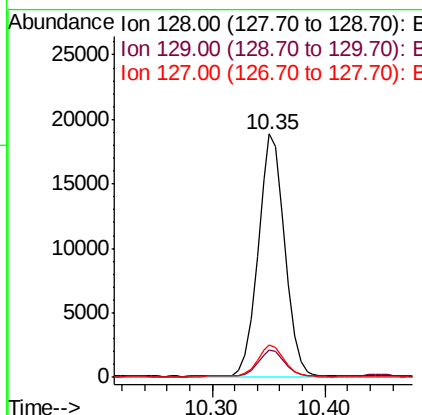
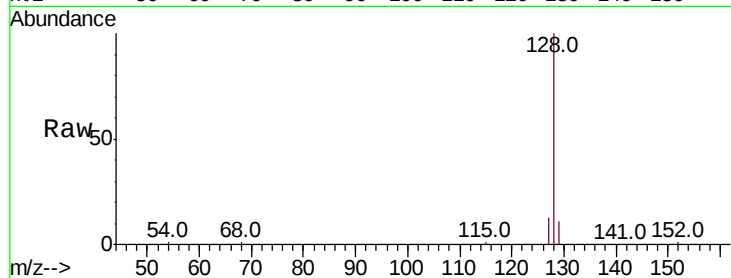
#3
Naphthalene
Concen: 0.913 ng/ul
RT: 10.35 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BN009005.D
Acq: 16 Dec 2019 19:06

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.9	16.3

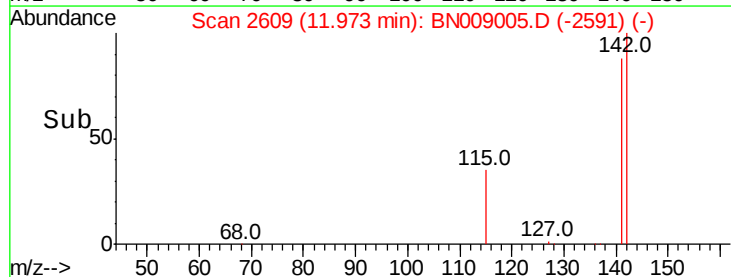
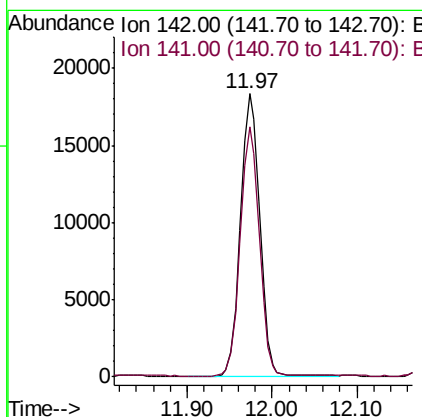
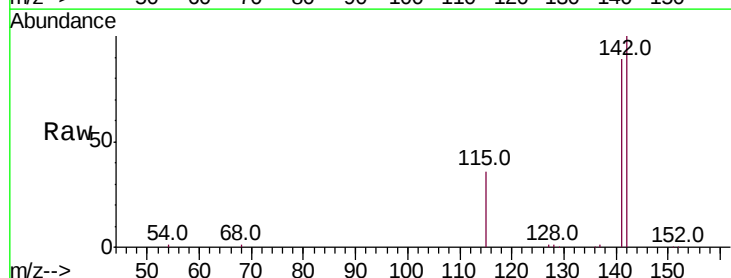
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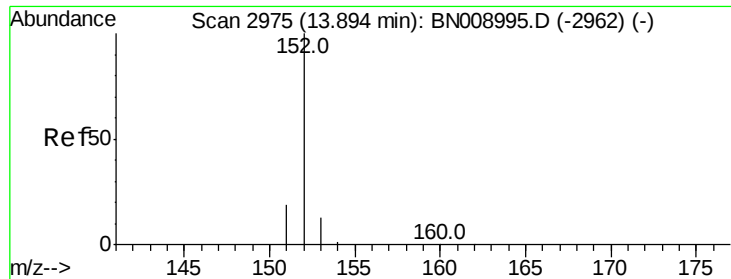
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#5
2-Methylnaphthalene
Concen: 1.134 ng/ul
RT: 11.97 min Scan# 2609
Delta R.T. 0.00 min
Lab File: BN009005.D
Acq: 16 Dec 2019 19:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.2	105.4





#7

Acenaphthylene

Concen: 0.179 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BN009005.D

Acq: 16 Dec 2019 19:06

Instrument :

BNA_N

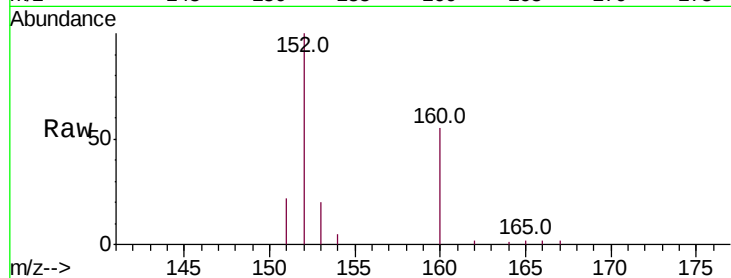
ClientSampleId :

C0BR2DL

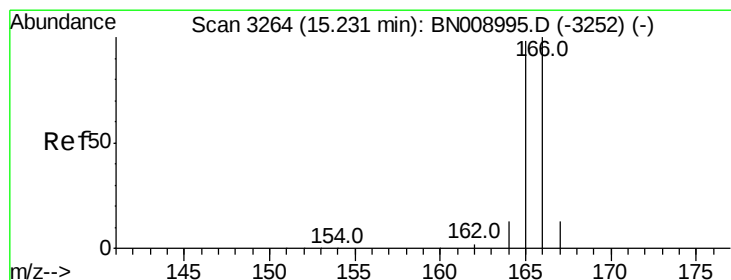
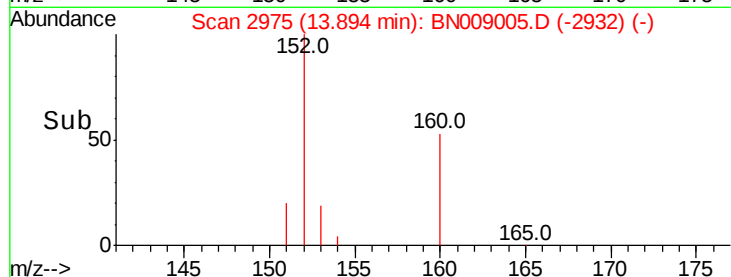
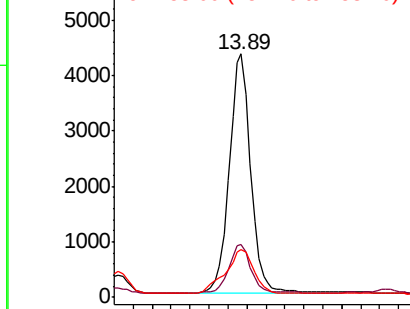
Tot Ion:	152	Resp:	6838
Ion Ratio	Lower	Upper	
152	100		
151	21.7	15.7	23.5
153	19.9	10.8	16.2

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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: 0.040 ng/ul

RT: 15.23 min Scan# 3264

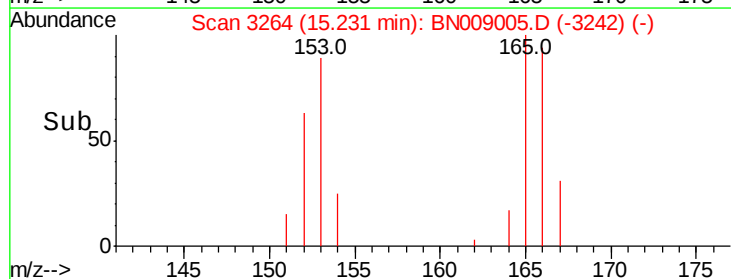
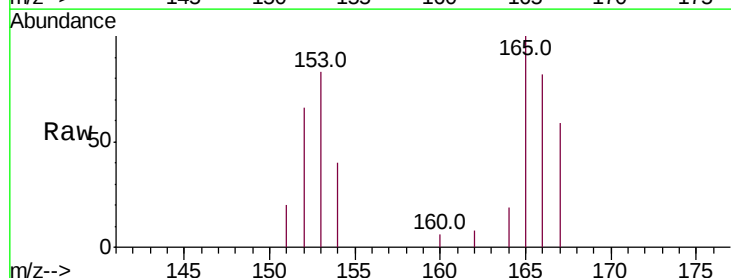
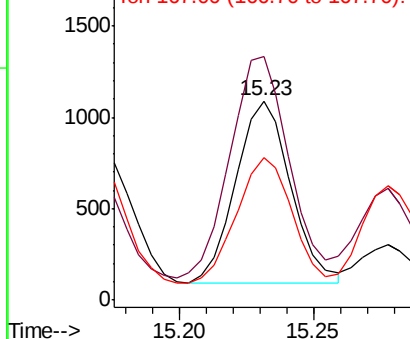
Delta R.T. 0.00 min

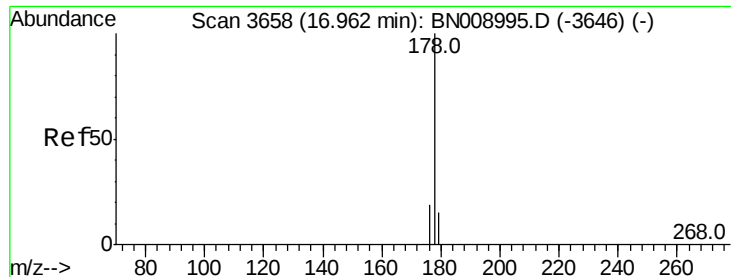
Lab File: BN009005.D

Acq: 16 Dec 2019 19:06

Tgt Ion:	166	Resp:	1414
Ion Ratio	Lower	Upper	
166	100		
165	122.1	78.2	117.4
167	71.7	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: 0.864 ng/ul

RT: 16.96 min Scan# 3658

Delta R.T. 0.00 min

Lab File: BN009005.D

Acq: 16 Dec 2019 19:06

Instrument :

BNA_N

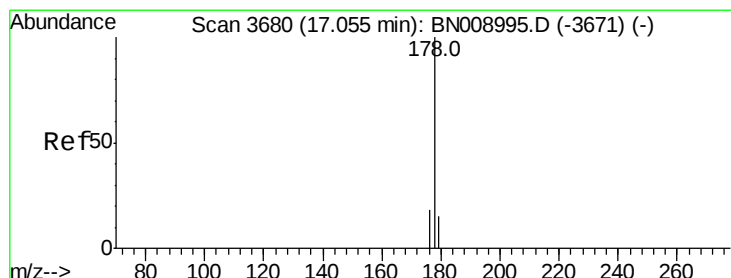
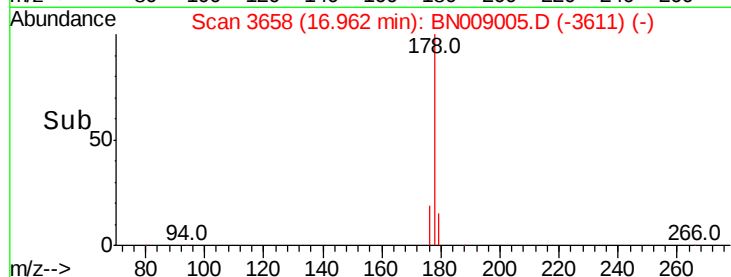
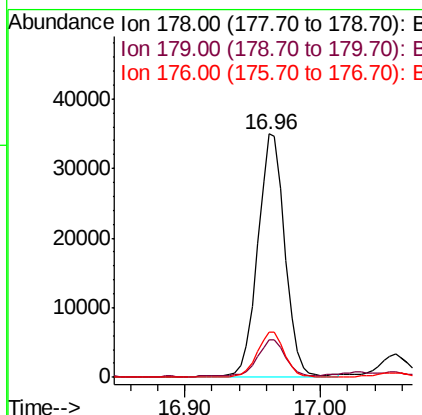
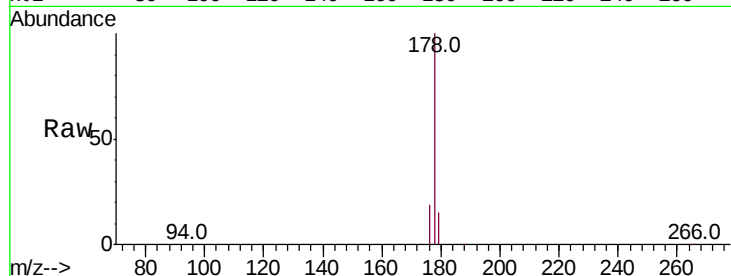
ClientSampleId :

C0BR2DL

Tot Ion:178	Resp:	48540
Ion Ratio	Lower	Upper
178	100	
179	15.4	12.3 18.5
176	18.8	15.1 22.7

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#13

Anthracene

Concen: 0.087 ng/ul

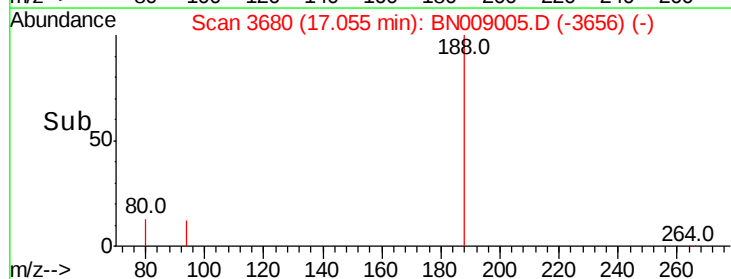
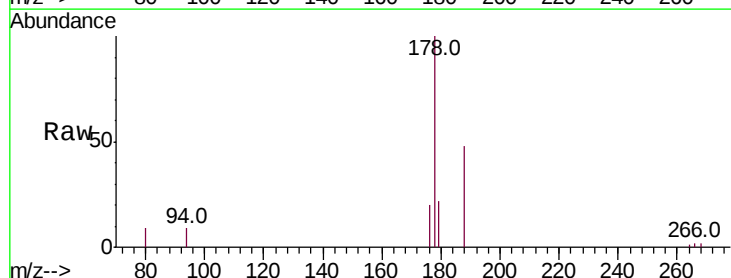
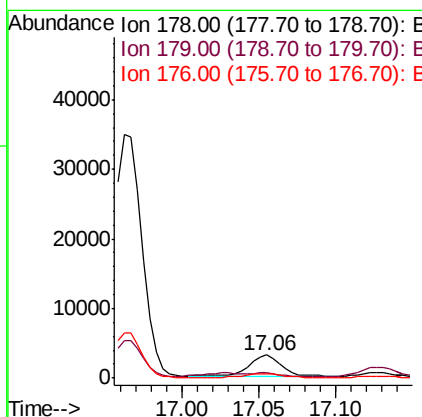
RT: 17.06 min Scan# 3680

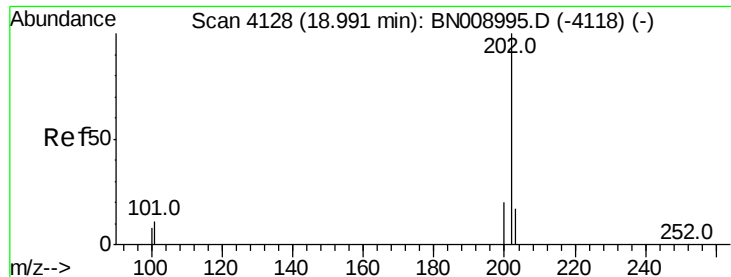
Delta R.T. 0.00 min

Lab File: BN009005.D

Acq: 16 Dec 2019 19:06

Tgt Ion:178	Resp:	4377
Ion Ratio	Lower	Upper
178	100	
179	21.6	12.5 18.7#
176	19.8	14.9 22.3





#15

Fluoranthene

Concen: 0.705 ng/ul

RT: 18.99 min Scan# 4127

Delta R.T. -0.00 min

Lab File: BN009005.D

Acq: 16 Dec 2019 19:06

Instrument :

BNA_N

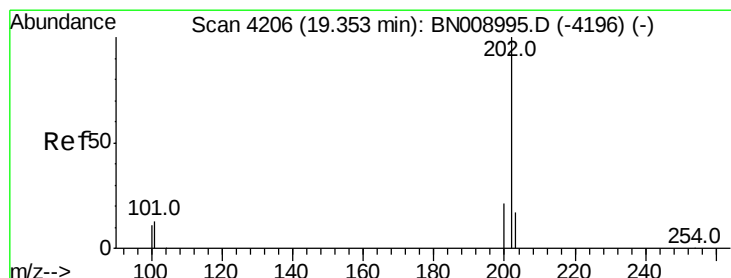
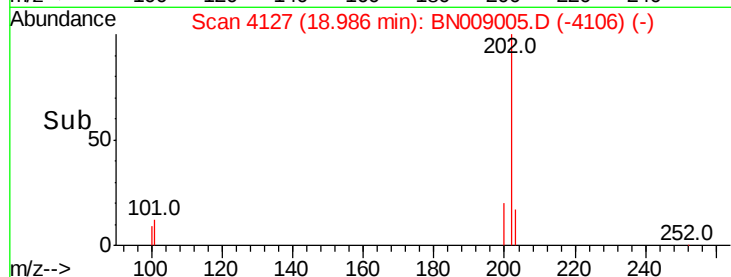
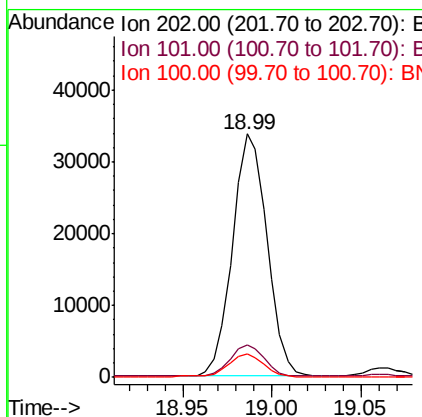
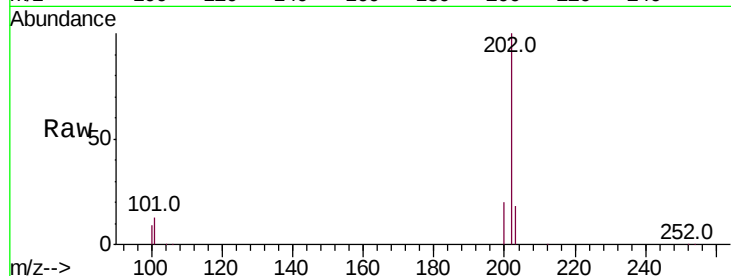
ClientSampleId :

C0BR2DL

Tot Ion:	202	Resp:	45316
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	31.5
100	9.5	0.0	28.9

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#17

Pyrene

Concen: 0.651 ng/ul

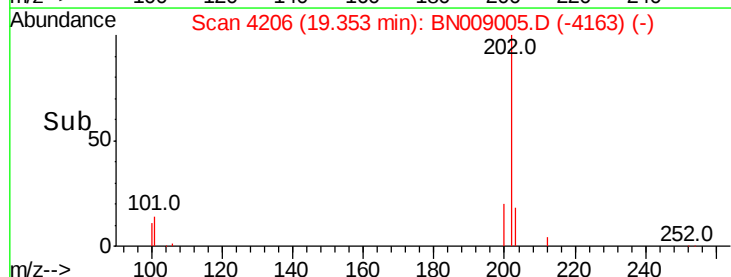
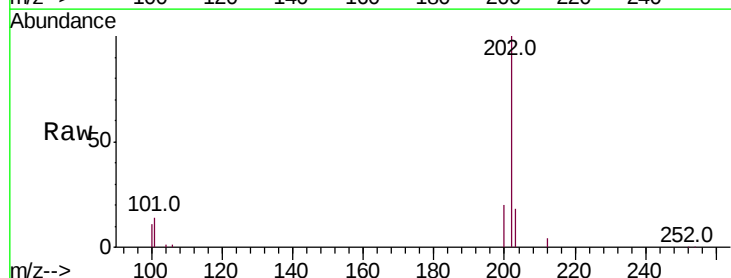
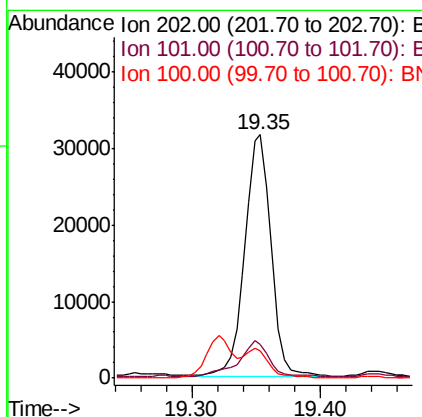
RT: 19.35 min Scan# 4206

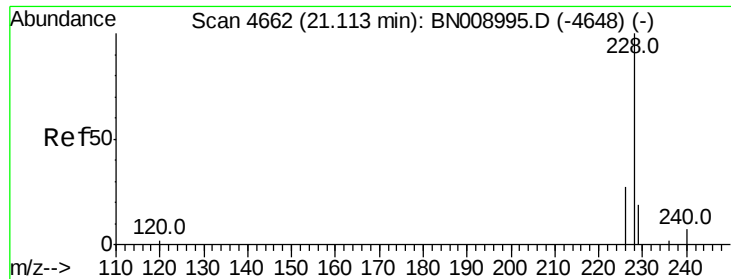
Delta R.T. 0.00 min

Lab File: BN009005.D

Acq: 16 Dec 2019 19:06

Tgt Ion:	202	Resp:	44892
Ion Ratio	Lower	Upper	
202	100		
101	14.0	10.9	16.3
100	11.3	9.0	13.6





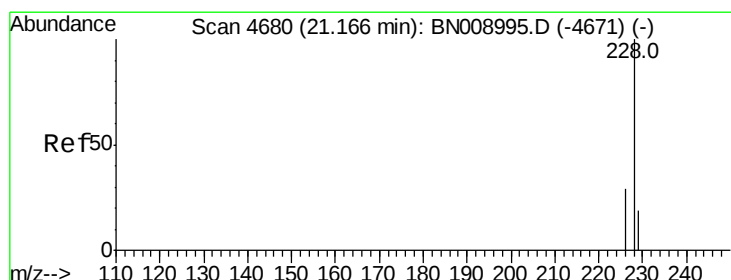
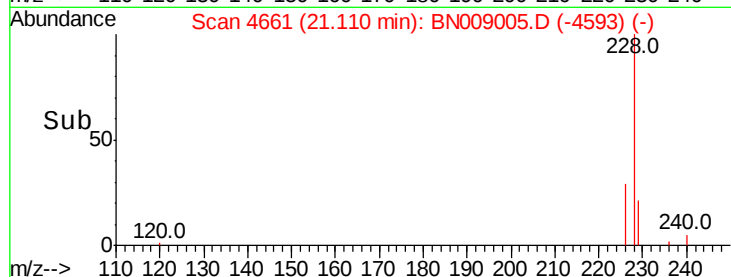
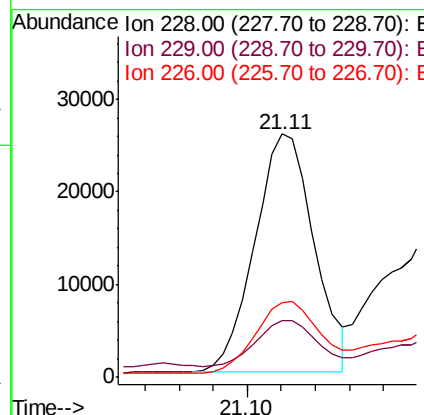
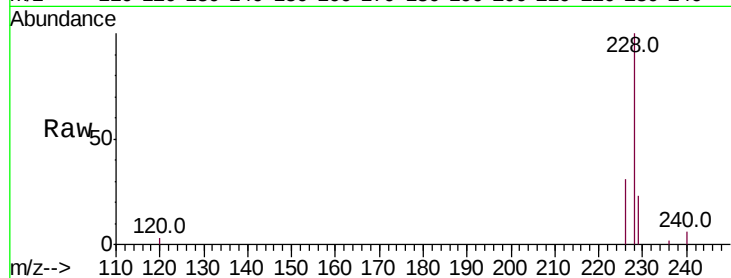
#18
Benzo(a)anthracene
Concen: 0.518 ng/ul
RT: 21.11 min Scan# 4661
Delta R.T. -0.00 min
Lab File: BN009005.D
Acq: 16 Dec 2019 19:06

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.4	15.5	23.3#
226	30.8	21.7	32.5

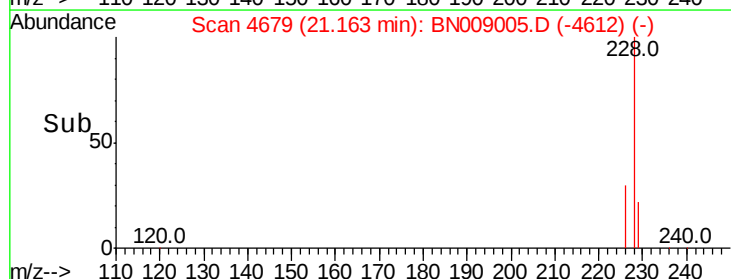
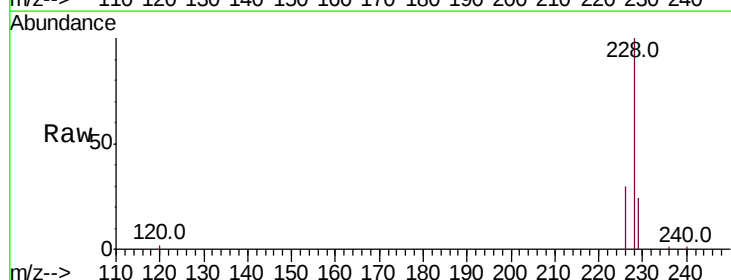
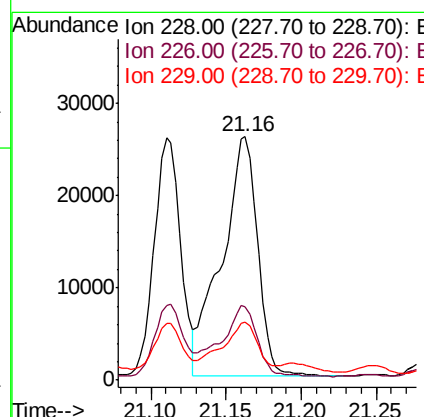
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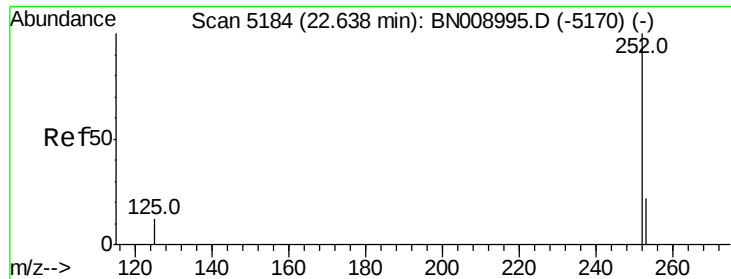
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#19
Chrysene
Concen: 0.718 ng/ul
RT: 21.16 min Scan# 4679
Delta R.T. -0.00 min
Lab File: BN009005.D
Acq: 16 Dec 2019 19:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	23.9	15.4	23.0#





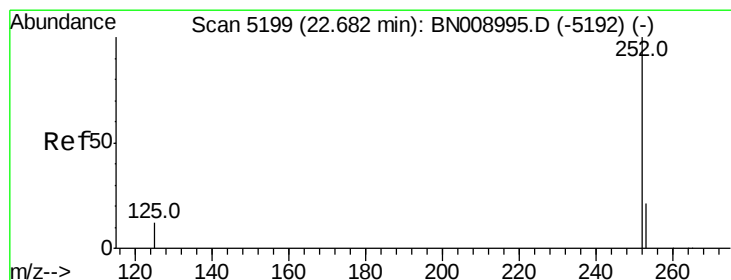
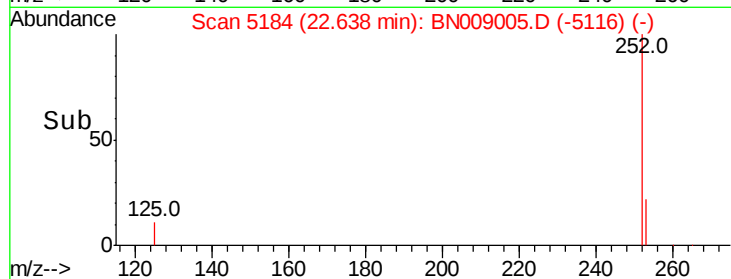
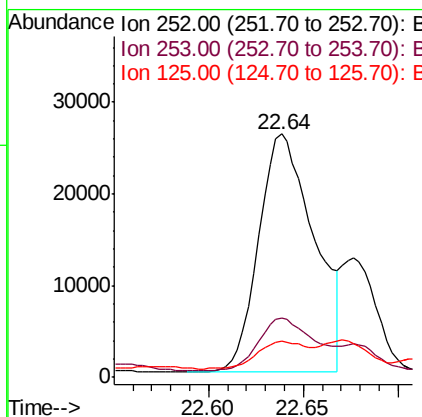
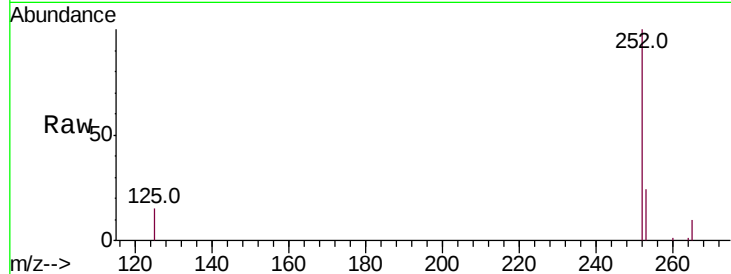
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Benzo(b)fluoranthene
Concen: 0.933 ng/ul m
RT: 22.64 min Scan# 5184
Delta R.T. 0.00 min
Lab File: BN009005.D
Acq: 16 Dec 2019 19:06

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.4	0.0	48.2
125	14.7	0.0	30.0

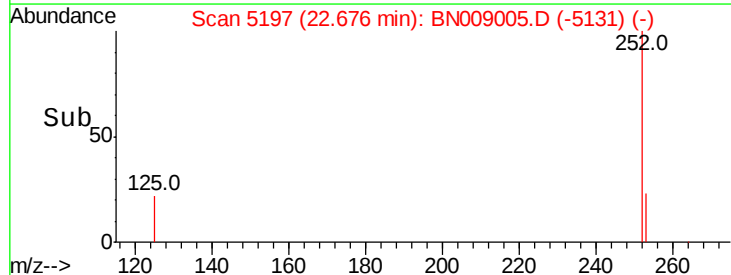
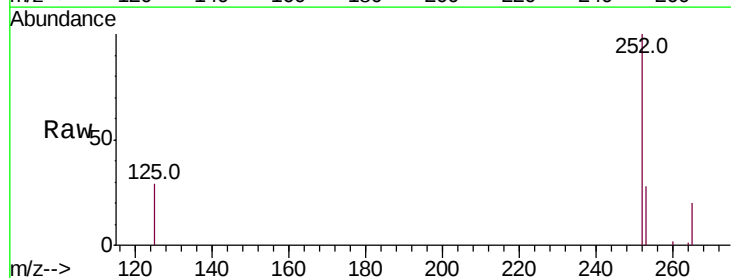
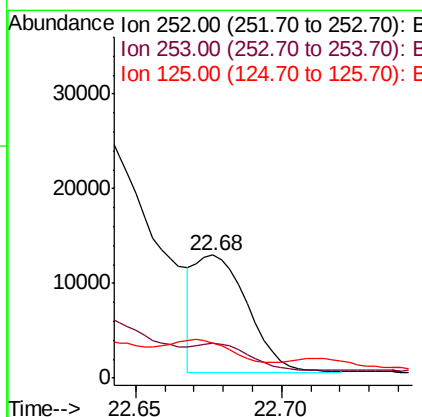
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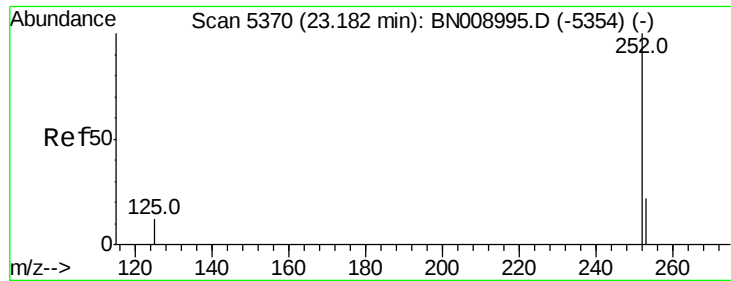
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#22
Benzo(k)fluoranthene
Concen: 0.275 ng/ul m
RT: 22.68 min Scan# 5197
Delta R.T. -0.01 min
Lab File: BN009005.D
Acq: 16 Dec 2019 19:06

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	28.0	19.4	29.0
125	28.8	12.4	18.6





#23

Benzo(a)pyrene

Concen: 0.551 ng/ul

RT: 23.18 min Scan# 5368

Delta R.T. -0.01 min

Lab File: BN009005.D

Acq: 16 Dec 2019 19:06

Instrument :

BNA_N

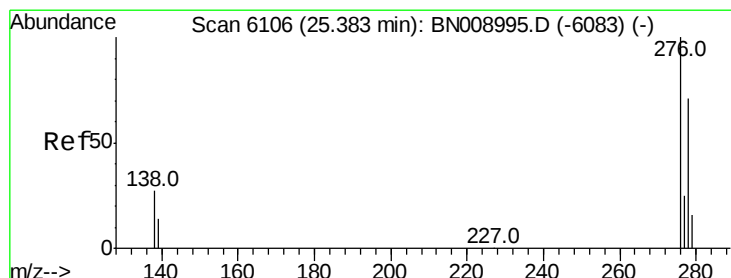
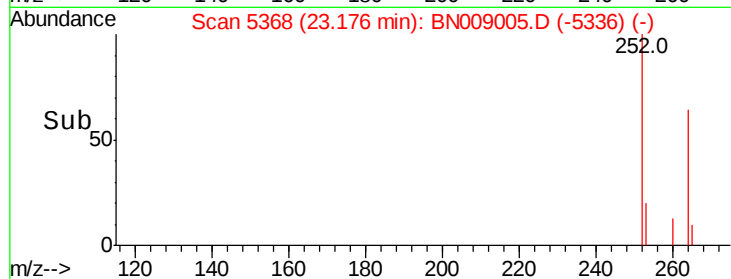
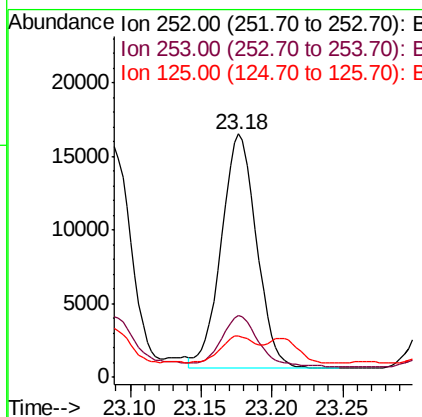
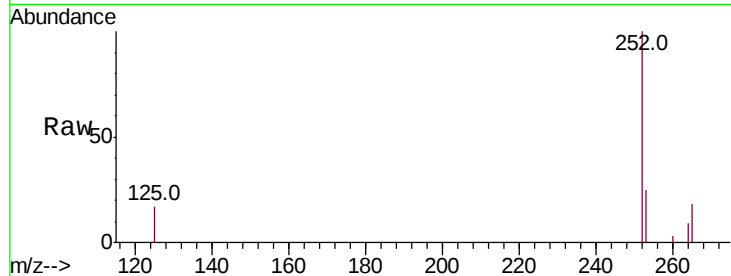
ClientSampleId :

C0BR2DL

Tot Ion:	252	Resp:	27490
Ion Ratio	Lower	Upper	
252	100		
253	25.4	20.2	30.4
125	17.2	13.2	19.8

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.311 ng/ul

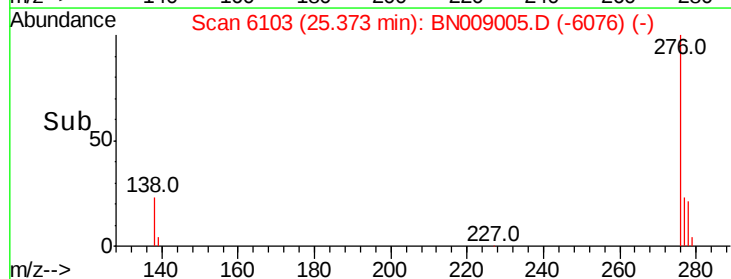
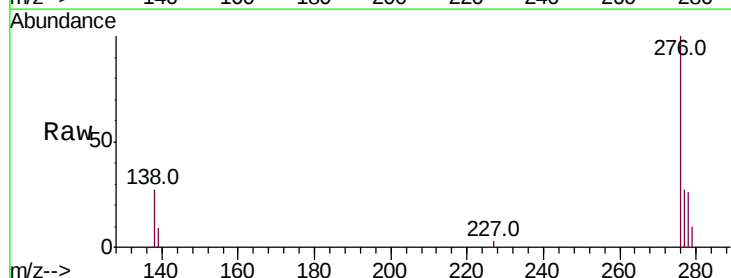
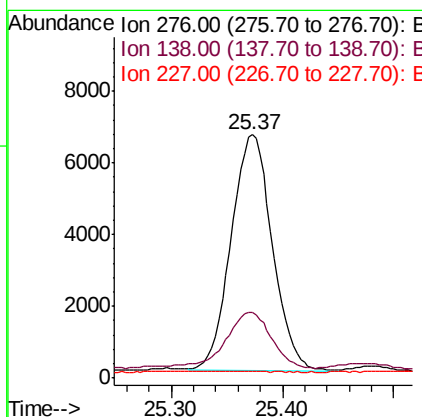
RT: 25.37 min Scan# 6103

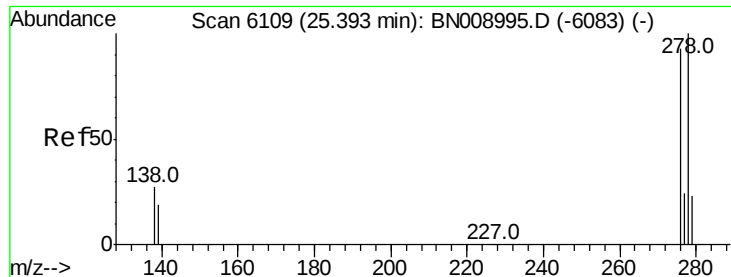
Delta R.T. -0.01 min

Lab File: BN009005.D

Acq: 16 Dec 2019 19:06

Tgt Ion:	276	Resp:	16892
Ion Ratio	Lower	Upper	
276	100		
138	26.1	22.4	33.6
227	0.0	0.2	0.4#





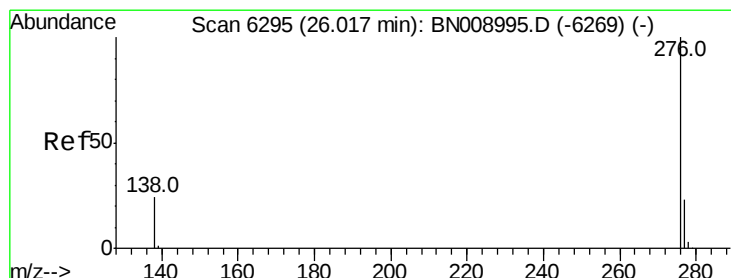
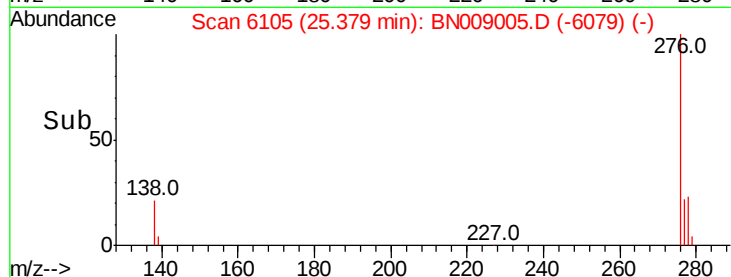
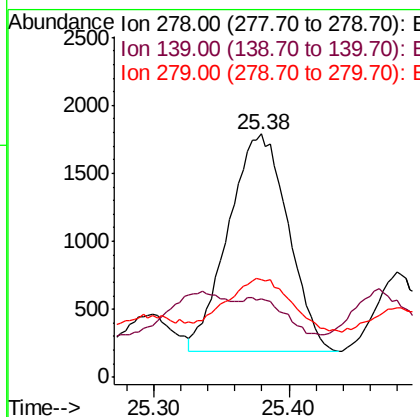
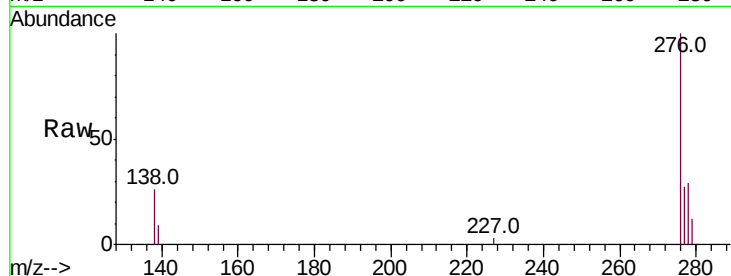
#25
Dibenzo(a,h)anthracene
Concen: 0.114 ng/ul
RT: 25.38 min Scan# 6105
Delta R.T. -0.01 min
Lab File: BN009005.D
Acq: 16 Dec 2019 19:06

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.5	16.2	24.2#
279	40.3	20.3	30.5#

Manual Integrations
APPROVED

mohammad
12/17/2019 5:35:07 AM



#26
Benzo(g,h,i)perylene
Concen: 0.350 ng/ul
RT: 26.01 min Scan# 6293
Delta R.T. -0.01 min
Lab File: BN009005.D
Acq: 16 Dec 2019 19:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.3	20.6	30.8
277	25.4	19.6	29.4

