

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123119\
 Data File : BN009277.D
 Acq On : 31 Dec 2019 12:36
 Operator : JU
 Sample : K6322-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BT7

Manual Integrations
 APPROVED

mohammad
 1/1/2020 8:16:57 AM

Quant Time: Dec 31 13:35:44 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	2214	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	7770	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	4130	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.88	188	8379	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	6914	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6852	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	2766	0.20	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	5919	0.24	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	1506	0.064	ng/ul#	91
5) 2-Methylnaphthalene	11.93	142	898	0.050	ng/ul	98
7) Acenaphthylene	13.85	152	7021	0.324	ng/ul	97
8) Acenaphthene	14.19	153	430	0.025	ng/ul	94
9) Fluorene	15.19	166	2128	0.106	ng/ul#	98
12) Phenanthrene	16.92	178	65922	2.262	ng/ul	100
13) Anthracene	17.02	178	11907	0.456	ng/ul	99
15) Fluoranthene	18.95	202	141157	4.236	ng/ul	99
17) Pyrene	19.31	202	112084	3.178	ng/ul	100
18) Benzo(a)anthracene	21.07	228	45946	1.496	ng/ul	98
19) Chrysene	21.12	228	51919	1.683	ng/ul	98
21) Benzo(b)fluoranthene	22.59	252	62429m	1.951	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	25212m	0.782	ng/ul	
23) Benzo(a)pyrene	23.12	252	41065	1.465	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.30	276	29120	0.954	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.31	278	6555	0.270	ng/ul#	91
26) Benzo(a,h,i)perylene	25.94	276	27778	1.080	ng/ul	98

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

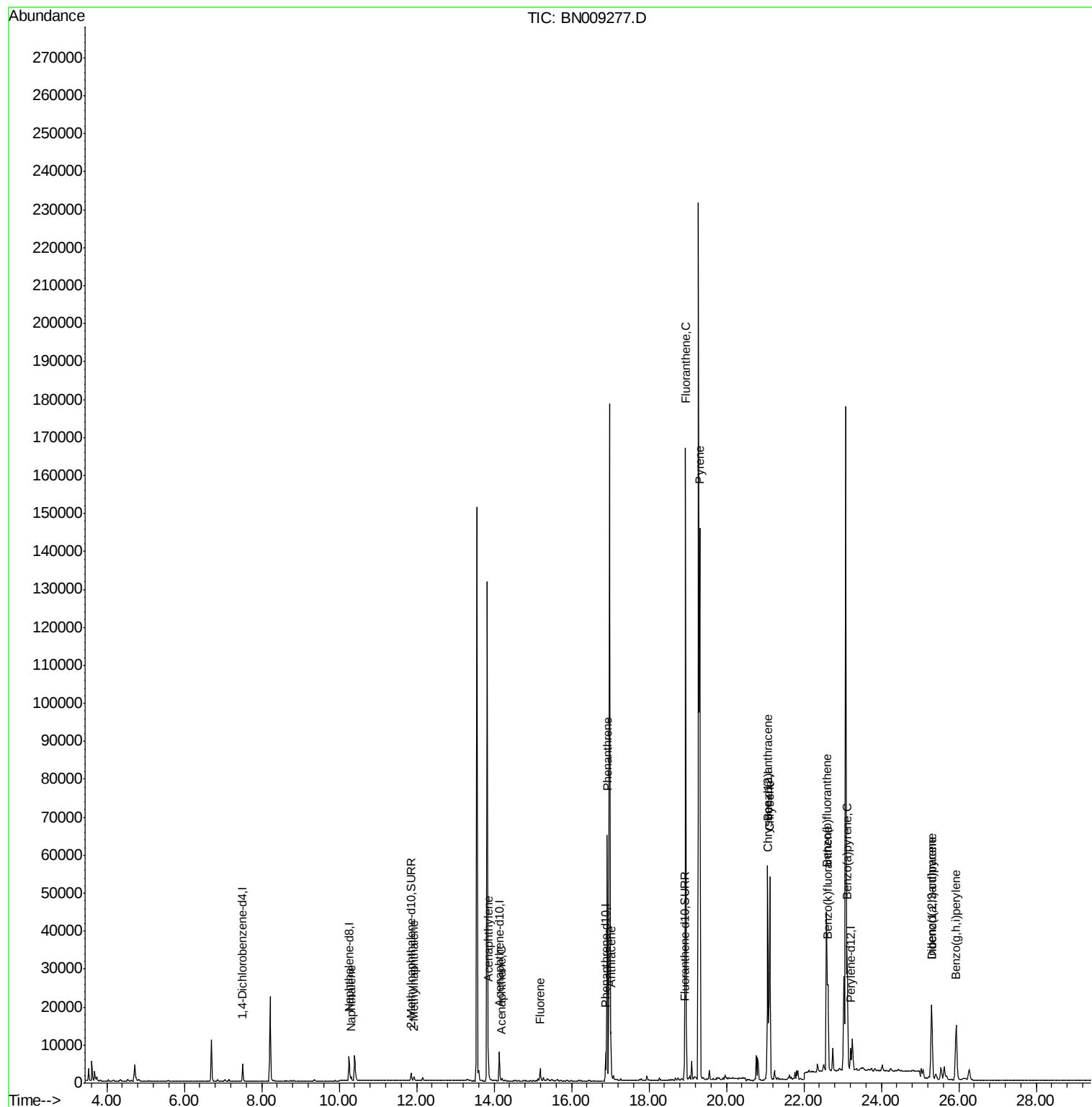
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123119\
Data File : BN009277.D
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ALS Vial : 6 Sample Multiplier: 1

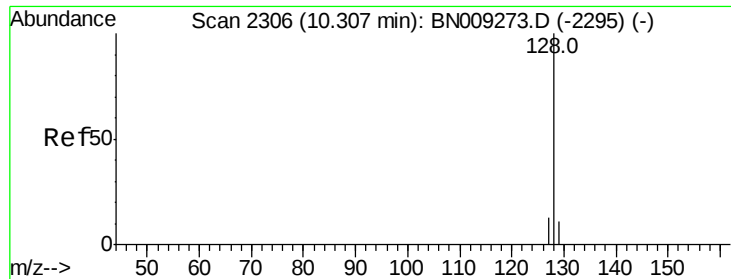
Instrument :
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Quant Time: Dec 31 13:35:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
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QLast Update : Tue Dec 31 11:02:23 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.064 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Instrument :

BNA_N

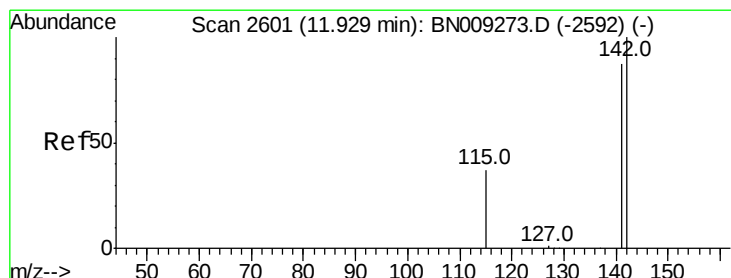
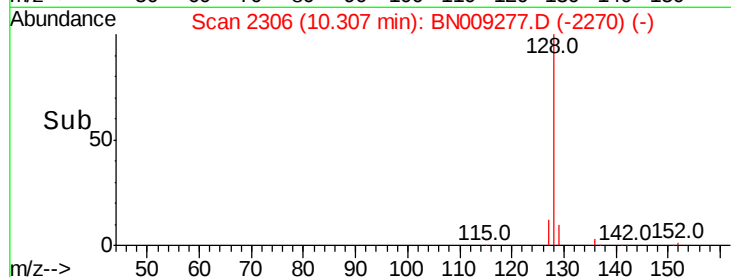
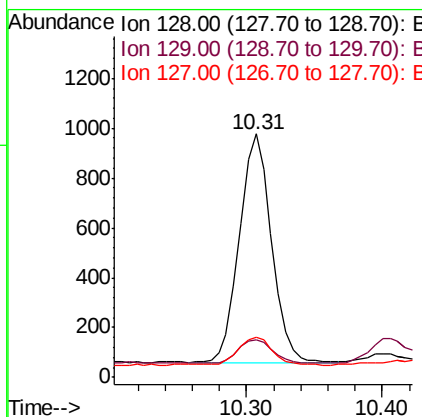
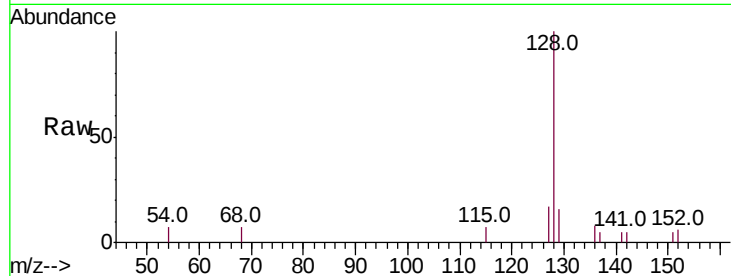
ClientSampleId :

C0BT7

Tot Ion:	128	Resp:	1506
Ion	Ratio	Lower	Upper
128	100		
129	15.6	9.0	13.4#
127	16.6	10.9	16.3#

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#5

2-Methylnaphthalene

Concen: 0.050 ng/ul

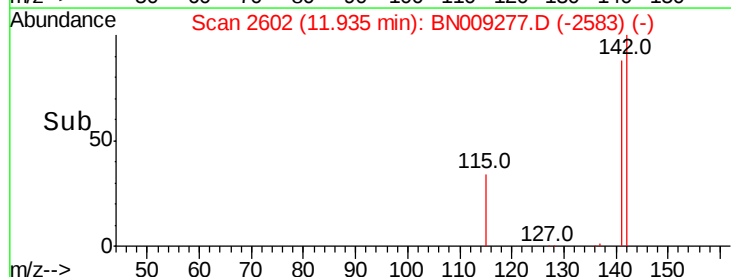
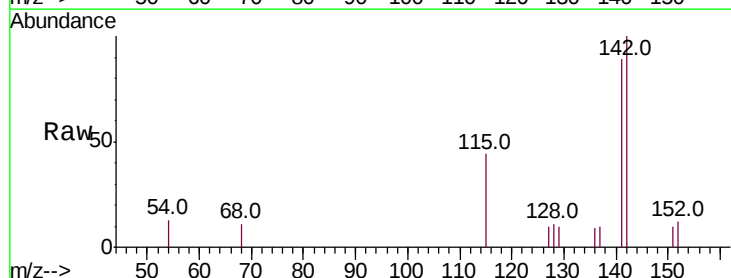
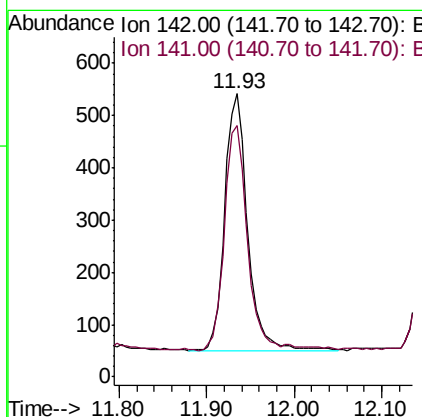
RT: 11.93 min Scan# 2602

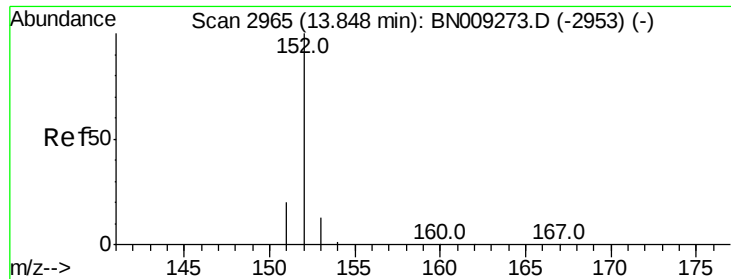
Delta R.T. 0.01 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Tgt Ion:	142	Resp:	898
Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.2	105.4





#7

Acenaphthylene

Concen: 0.324 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. 0.00 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Instrument :

BNA_N

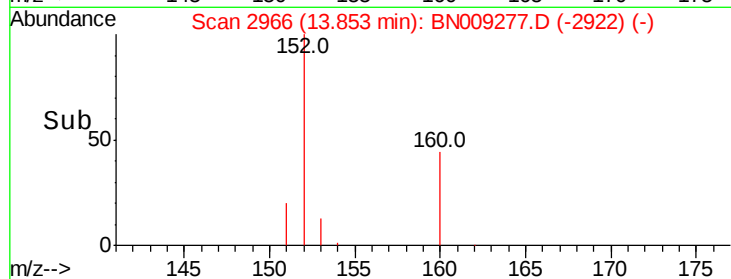
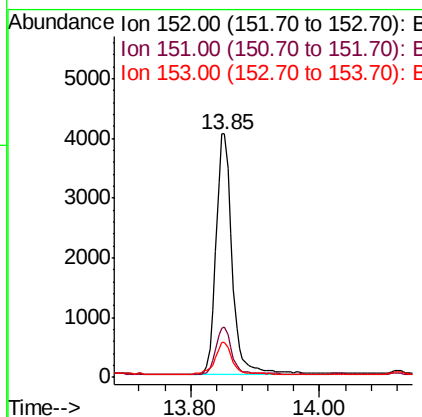
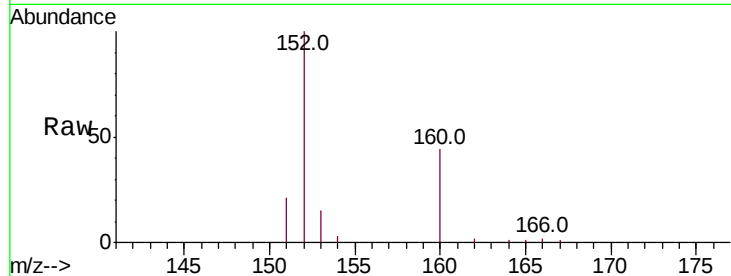
ClientSampled :

C0BT7

Tot Ion:	152	Resp:	7021
Ion Ratio	Lower	Upper	
152	100		
151	20.7	15.7	23.5
153	14.5	10.8	16.2

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#8

Acenaphthene

Concen: 0.025 ng/ul

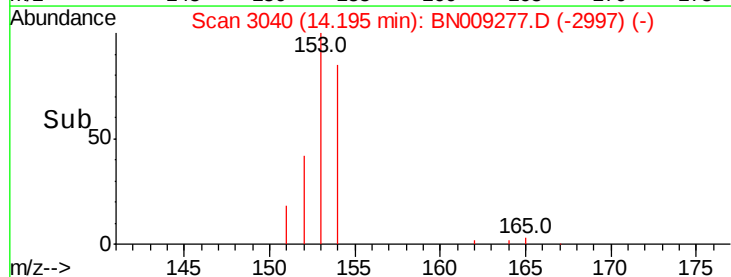
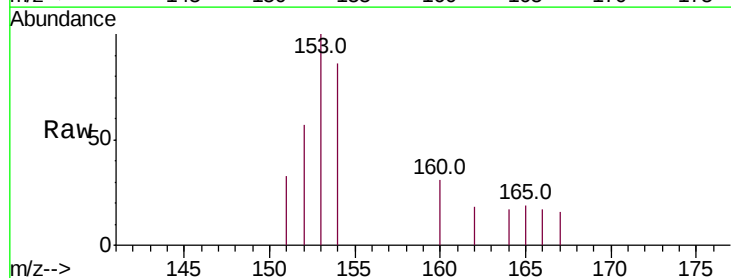
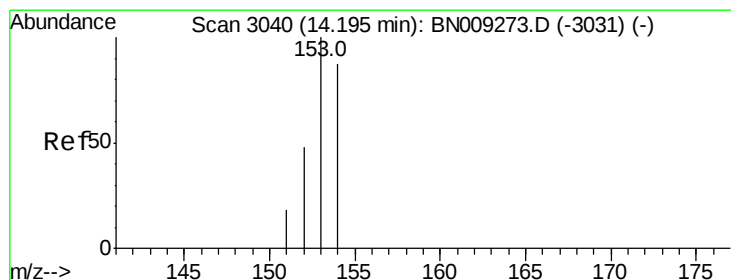
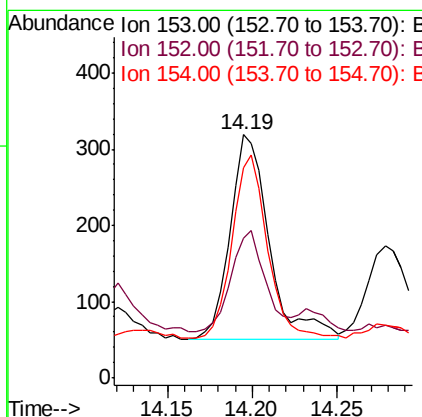
RT: 14.19 min Scan# 3040

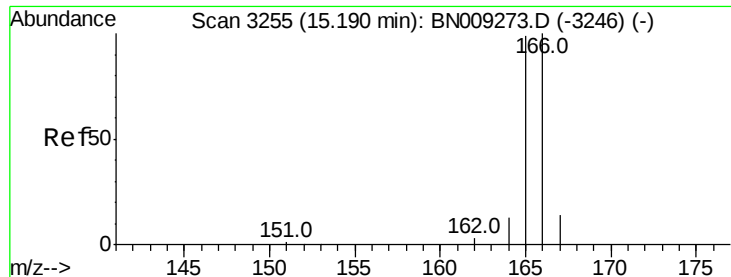
Delta R.T. 0.00 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Tgt Ion:	153	Resp:	430
Ion Ratio	Lower	Upper	
153	100		
152	57.4	39.5	59.3
154	86.2	71.3	106.9





#9

Fluorene

Concen: 0.106 ng/ul

RT: 15.19 min Scan# 3255

Delta R.T. 0.00 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Instrument :

BNA_N

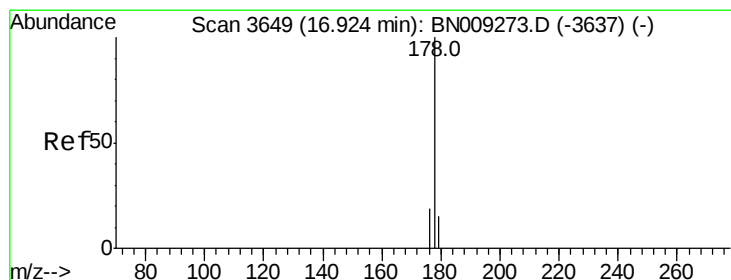
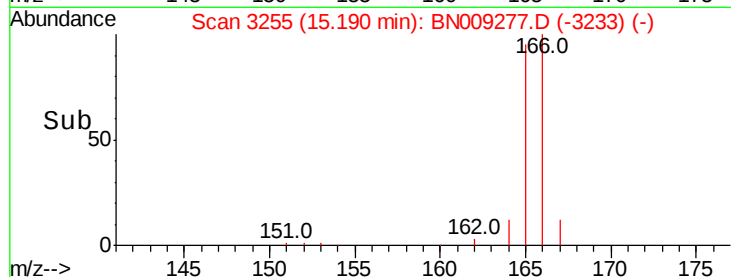
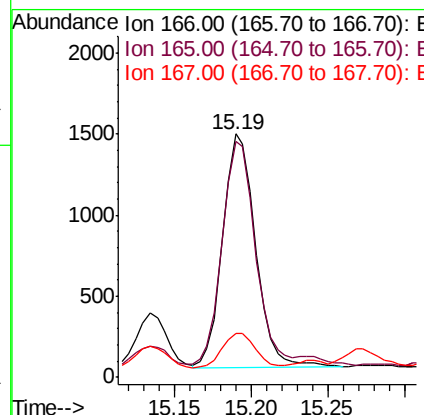
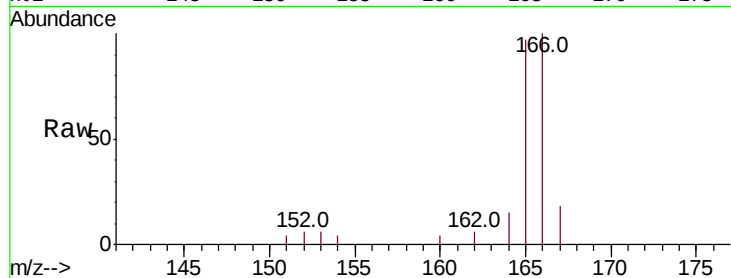
ClientSampleId :

C0BT7

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.2	117.4
167	18.1	11.0	16.6#

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#12

Phenanthrene

Concen: 2.262 ng/ul

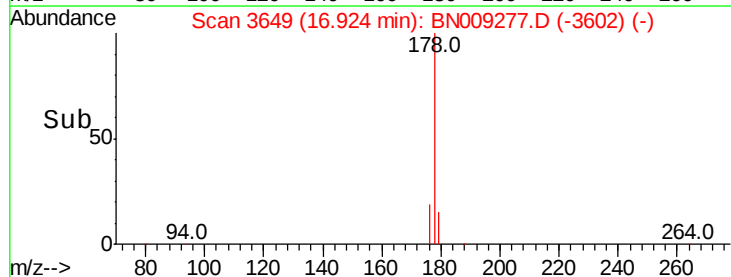
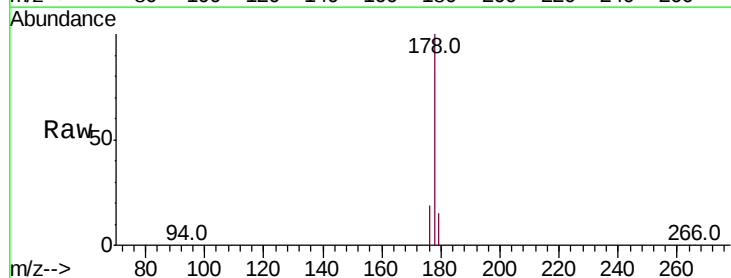
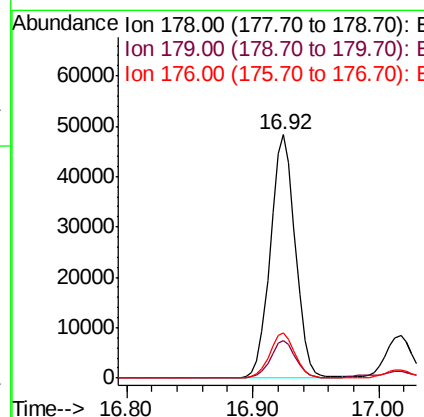
RT: 16.92 min Scan# 3649

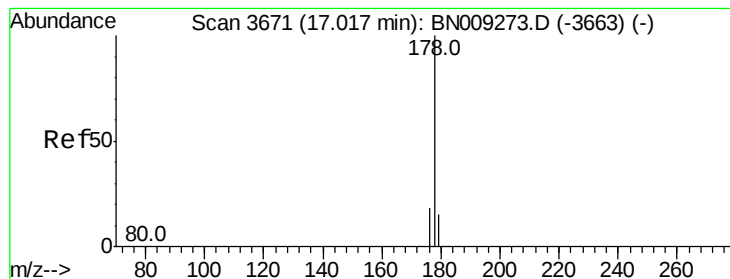
Delta R.T. 0.00 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.7	15.1	22.7





#13

Anthracene

Concen: 0.456 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. 0.00 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Instrument :

BNA_N

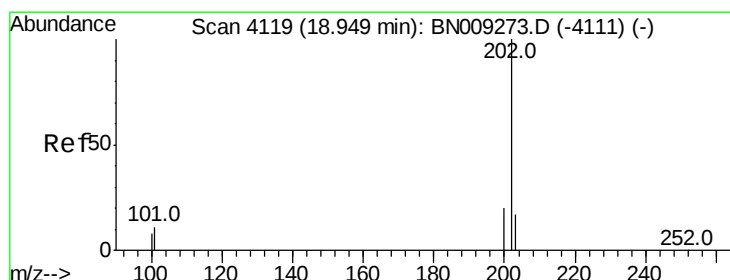
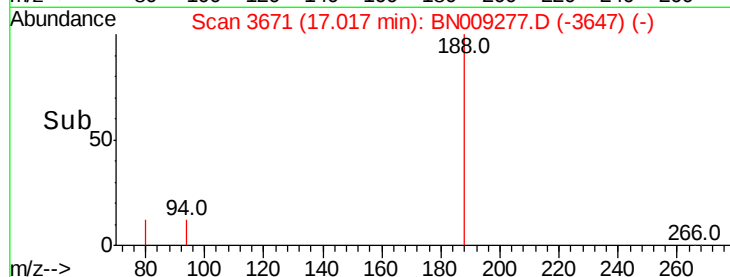
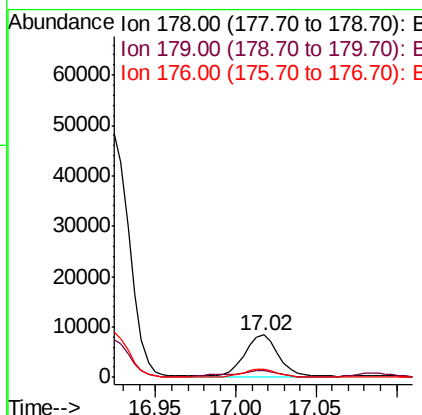
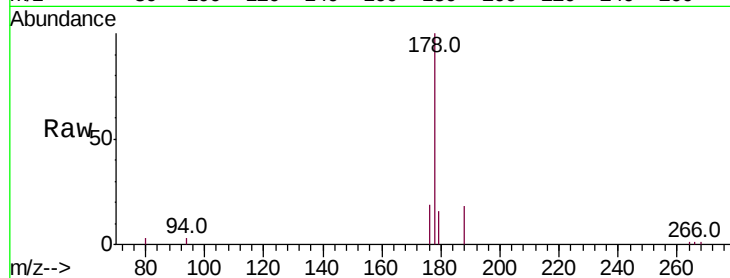
ClientSampleId :

C0BT7

Tot Ion:	178	Resp:	11907
Ion Ratio	Lower	Upper	
178	100		
179	16.5	12.5	18.7
176	18.6	14.9	22.3

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#15

Fluoranthene

Concen: 4.236 ng/ul

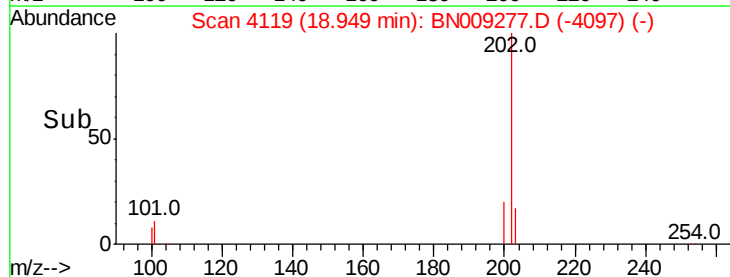
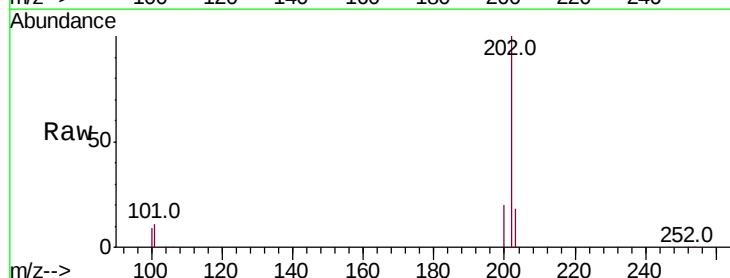
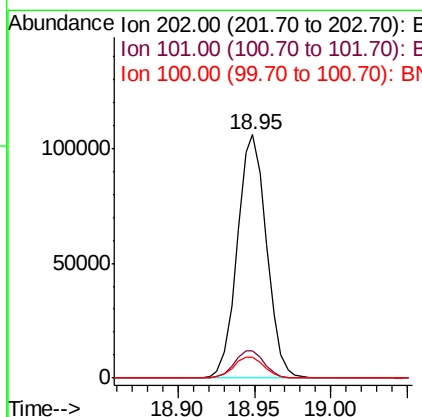
RT: 18.95 min Scan# 4119

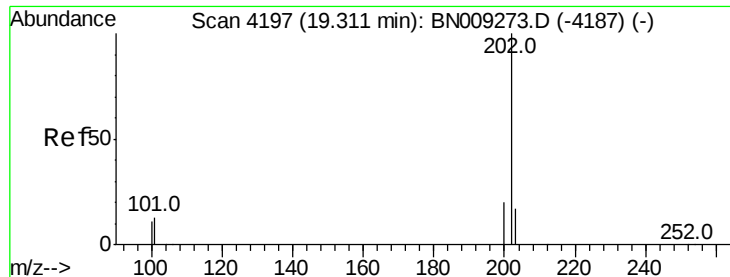
Delta R.T. 0.00 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Tgt Ion:	202	Resp:	141157
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	31.5
100	8.5	0.0	28.9





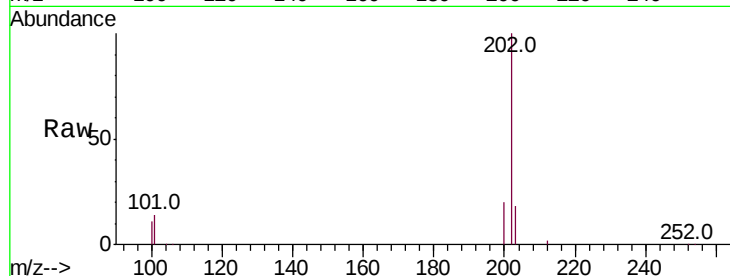
#17
Pvrene
Concen: 3.178 ng/ul
RT: 19.31 min Scan# 4197
Delta R.T. 0.00 min
Lab File: BN009277.D
Acq: 31 Dec 2019 12:36

Instrument :
BNA_N
ClientSampleId :
C0BT7

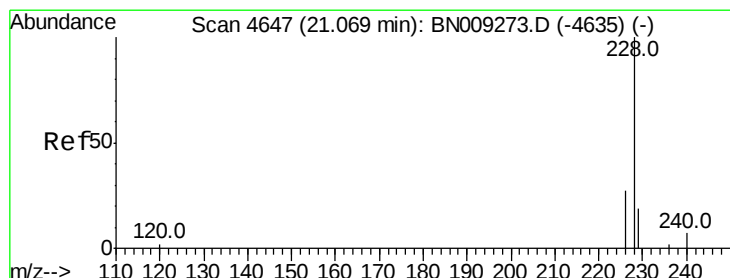
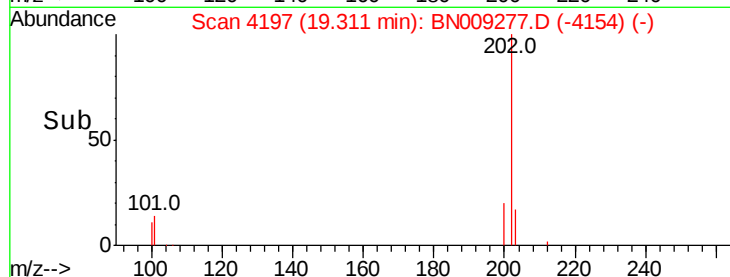
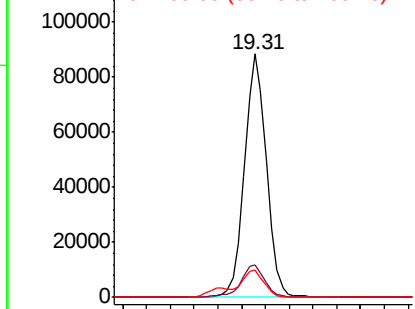
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	10.9	16.3
100	11.0	9.0	13.6

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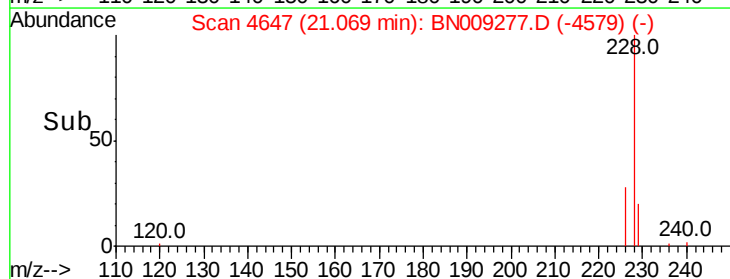
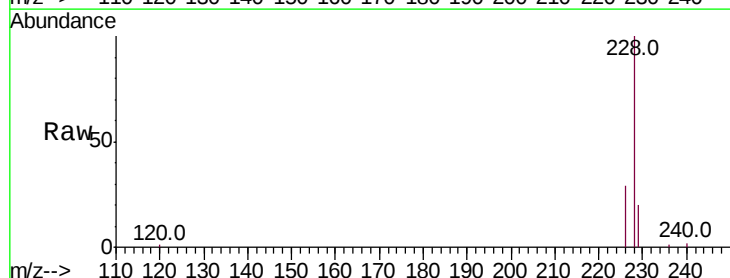
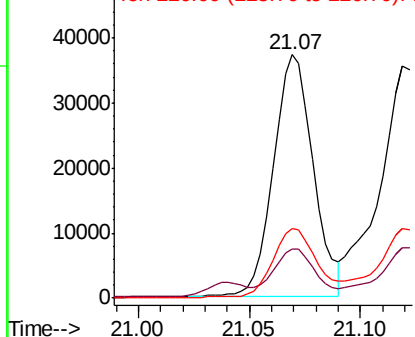
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

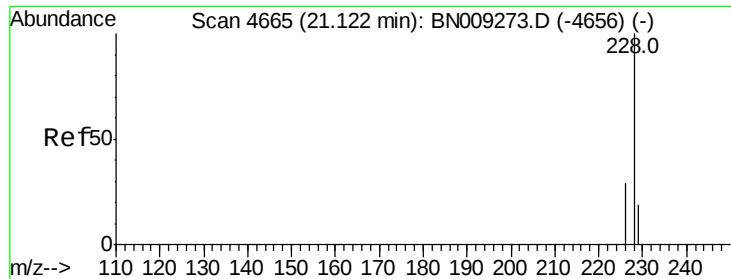


#18
Benzo(a)anthracene
Concen: 1.496 ng/ul
RT: 21.07 min Scan# 4647
Delta R.T. 0.00 min
Lab File: BN009277.D
Acq: 31 Dec 2019 12:36

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.3	15.5	23.3
226	28.6	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: 1.683 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. -0.00 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Instrument :

BNA_N

ClientSampleId :

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Tot Ion:228 Resp: 51919

Ion Ratio Lower Upper

228 100

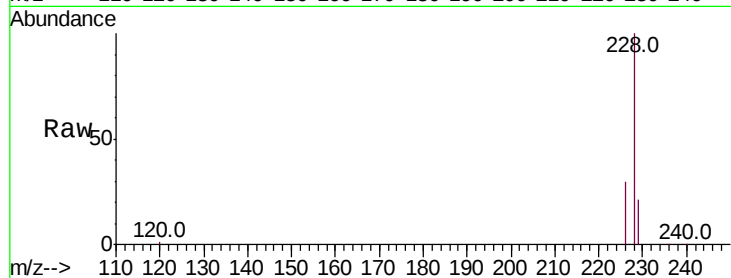
226 29.7 23.7 35.5

229 21.5 15.4 23.0

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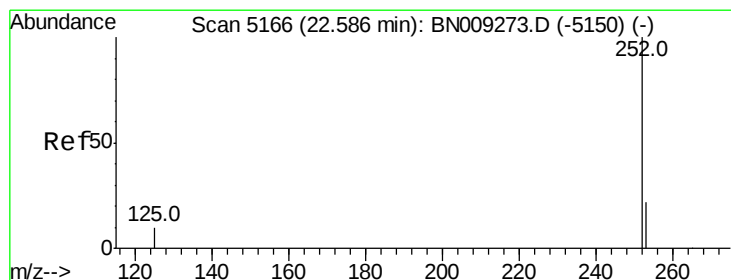
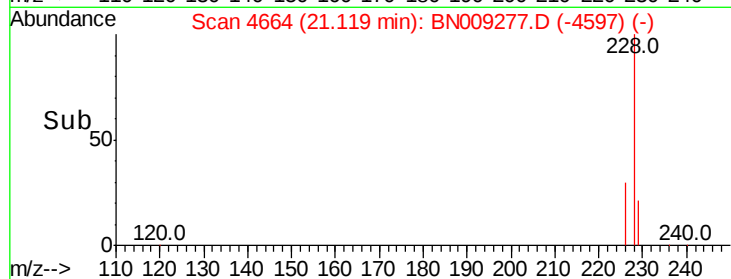
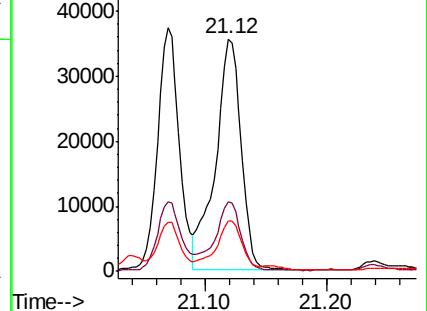
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 1.951 ng/ul m

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009277.D

Acq: 31 Dec 2019 12:36

Tgt Ion:252 Resp: 62429

Ion Ratio Lower Upper

252 100

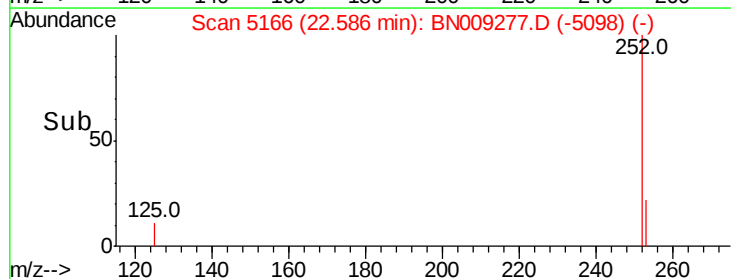
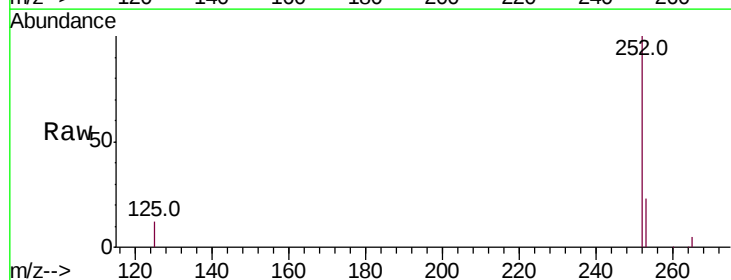
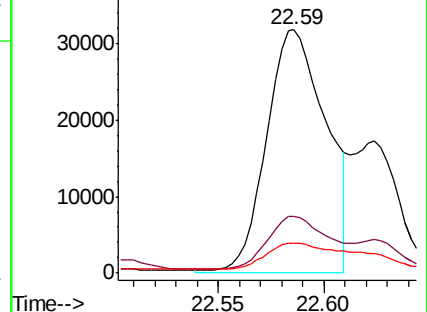
253 23.5 0.0 48.2

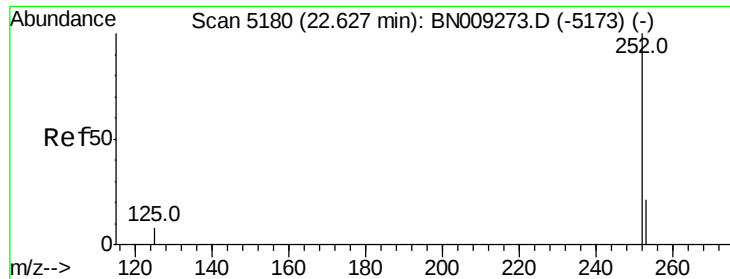
125 12.4 0.0 30.0

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





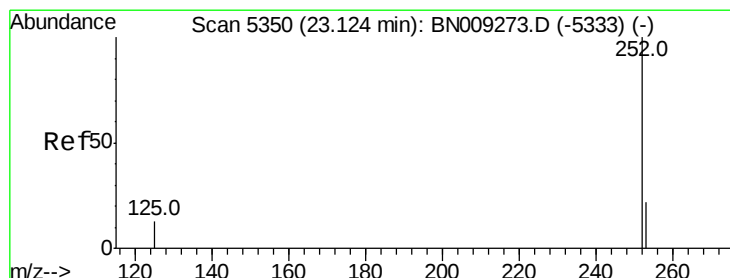
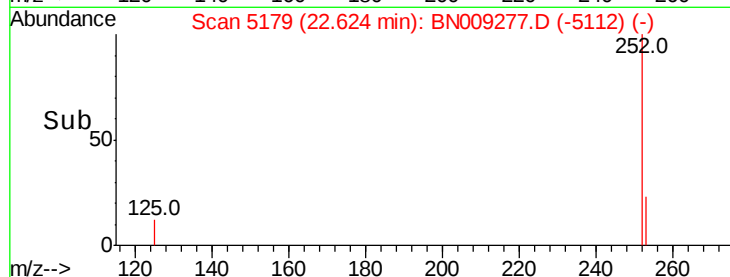
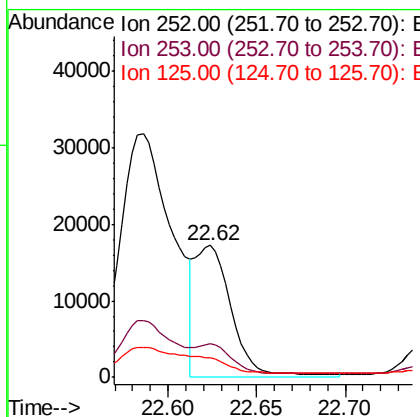
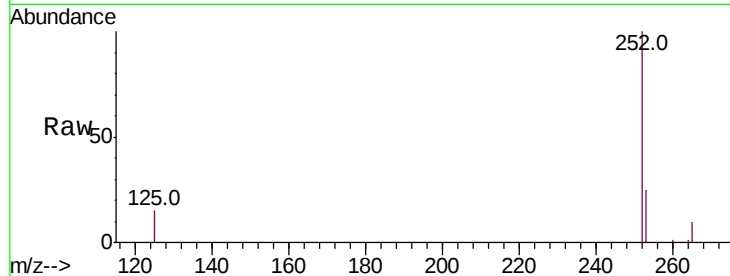
#22
Benzo(k)fluoranthene
Concen: 0.782 ng/ul m
RT: 22.62 min Scan# 5179
Delta R.T. -0.00 min
Lab File: BN009277.D
Acq: 31 Dec 2019 12:36

Instrument :
BNA_N
ClientSampleId :
C0BT7

Tot Ion	Ratio	Resp	Lower	Upper
252	100	25212		
253	25.3		19.4	29.0
125	14.9		12.4	18.6

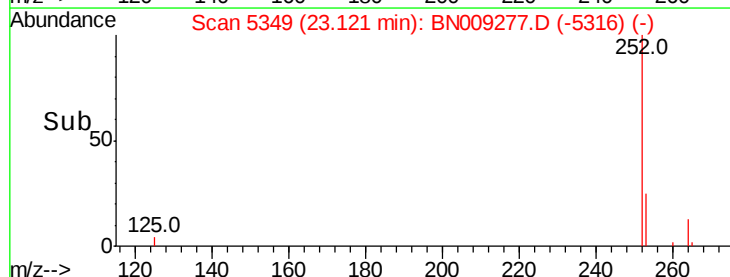
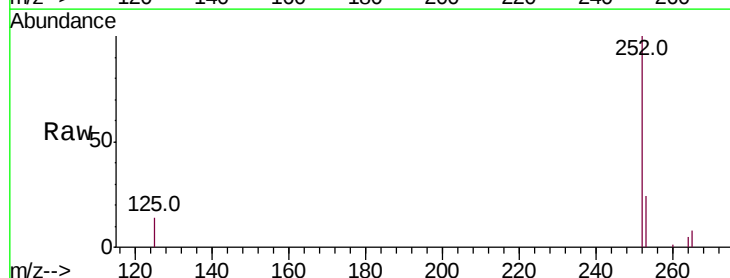
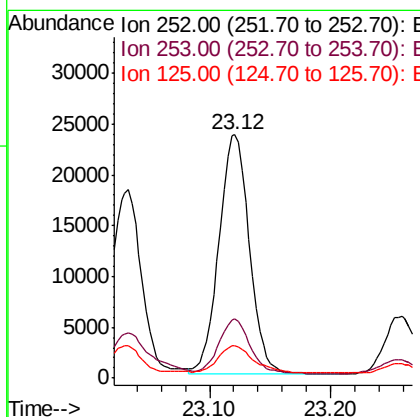
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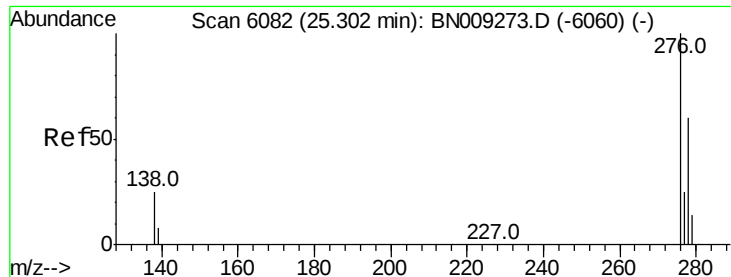
mohammad
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#23
Benzo(a)pyrene
Concen: 1.465 ng/ul
RT: 23.12 min Scan# 5349
Delta R.T. -0.00 min
Lab File: BN009277.D
Acq: 31 Dec 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	41065		
253	24.2		20.2	30.4
125	13.5		13.2	19.8





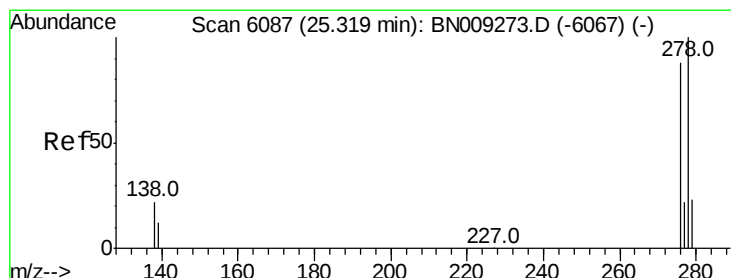
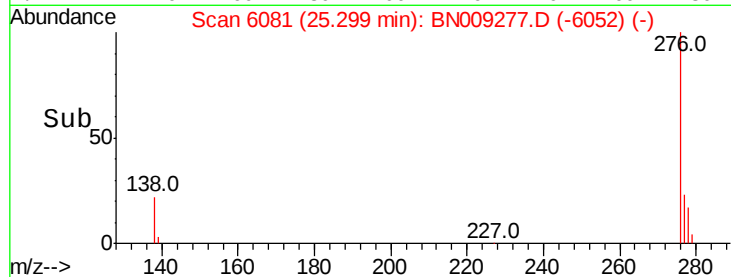
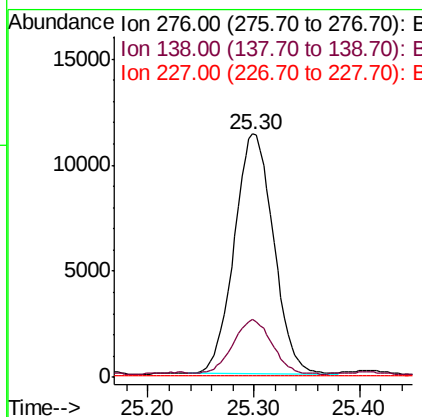
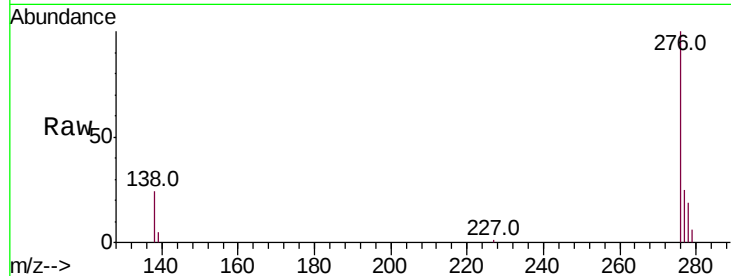
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.954 ng/u1
 RT: 25.30 min Scan# 6081
 Delta R.T. -0.00 min
 Lab File: BN009277.D
 Acq: 31 Dec 2019 12:36

Instrument :
 BNA_N
 ClientSampleId :
 C0BT7

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

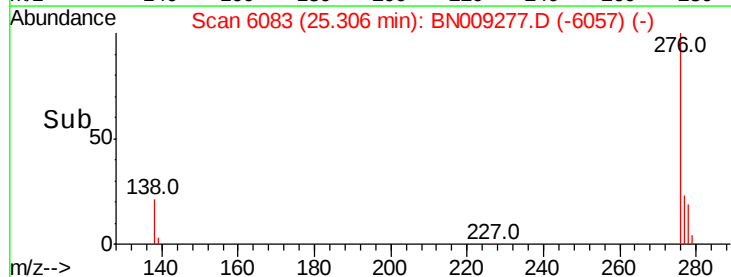
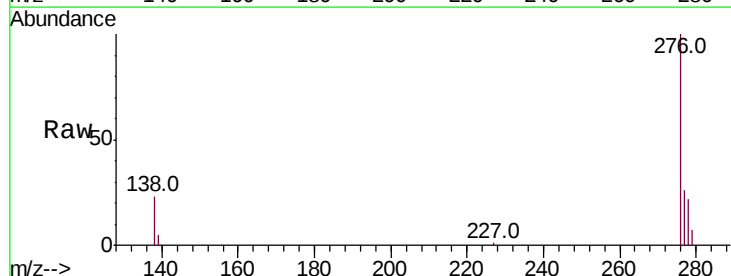
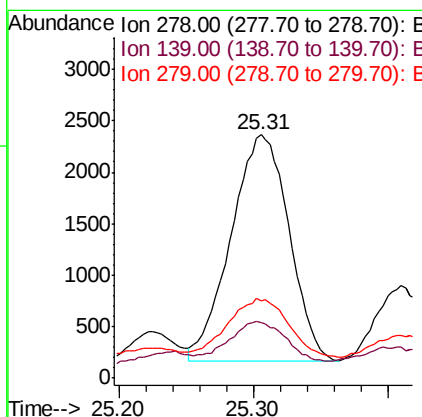
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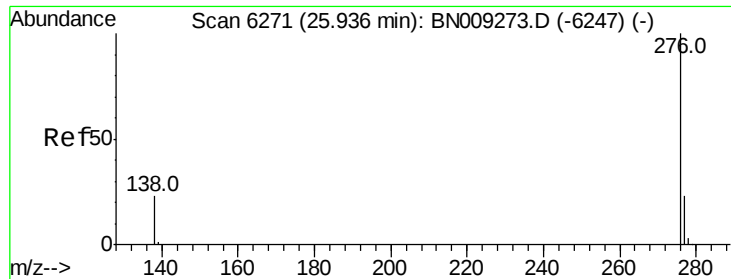
mohammad
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#25
 Dibenzo(a,h)anthracene
 Concen: 0.270 ng/u1
 RT: 25.31 min Scan# 6083
 Delta R.T. -0.01 min
 Lab File: BN009277.D
 Acq: 31 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.5	16.2	24.2
279	31.6	20.3	30.5





#26
 Benzo(a,h,i)perylene
 Concen: 1.080 ng/ul
 RT: 25.94 min Scan# 6271
 Delta R.T. 0.00 min
 Lab File: BN009277.D
 Acq: 31 Dec 2019 12:36

Instrument :
 BNA_N
 ClientSampleId :
 C0BT7

Tot Ion:	276	Resp:	27778
Ion Ratio	Lower	Upper	
276	100		
138	23.7	20.6	30.8
277	24.4	19.6	29.4

Manual Integrations
 APPROVED

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