

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN120319\
 Data File : BN008833.D
 Acq On : 03 Dec 2019 16:07
 Operator : JU
 Sample : K5854-17DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AD3DL

Manual Integrations
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mohammad
 12/3/2019 5:10:30 PM

Quant Time: Dec 03 16:43:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 11:01:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	4915	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	20427	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	11756	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	23583	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	17068	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	14903	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.94	152	1691	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	3880	0.05	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.39	128	13044	0.212	ng/ul	99
5) 2-Methylnaphthalene	12.01	142	9068	0.211	ng/ul	99
7) Acenaphthylene	13.93	152	3420	0.053	ng/ul#	90
8) Acenaphthene	14.27	153	2015	0.042	ng/ul	97
9) Fluorene	15.27	166	2798	0.049	ng/ul#	92
12) Phenanthrene	17.00	178	30660	0.385	ng/ul	99
13) Anthracene	17.09	178	9577	0.127	ng/ul#	95
15) Fluoranthene	19.02	202	52560	0.538	ng/ul	100
17) Pyrene	19.39	202	52857	0.772	ng/ul	98
18) Benzo(a)anthracene	21.15	228	25559	0.372	ng/ul#	92
19) Chrysene	21.20	228	24510	0.364	ng/ul#	91
21) Benzo(b)fluoranthene	22.69	252	30036m	0.489	ng/ul	
22) Benzo(k)fluoranthene	22.72	252	11184m	0.183	ng/ul	
23) Benzo(a)pyrene	23.23	252	19678	0.341	ng/ul#	52
24) Indeno(1,2,3-cd)pyrene	25.46	276	11784	0.175	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.46	278	3029	0.056	ng/ul#	1
26) Benzo(g,h,i)perylene	26.10	276	10989	0.195	ng/ul#	73

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

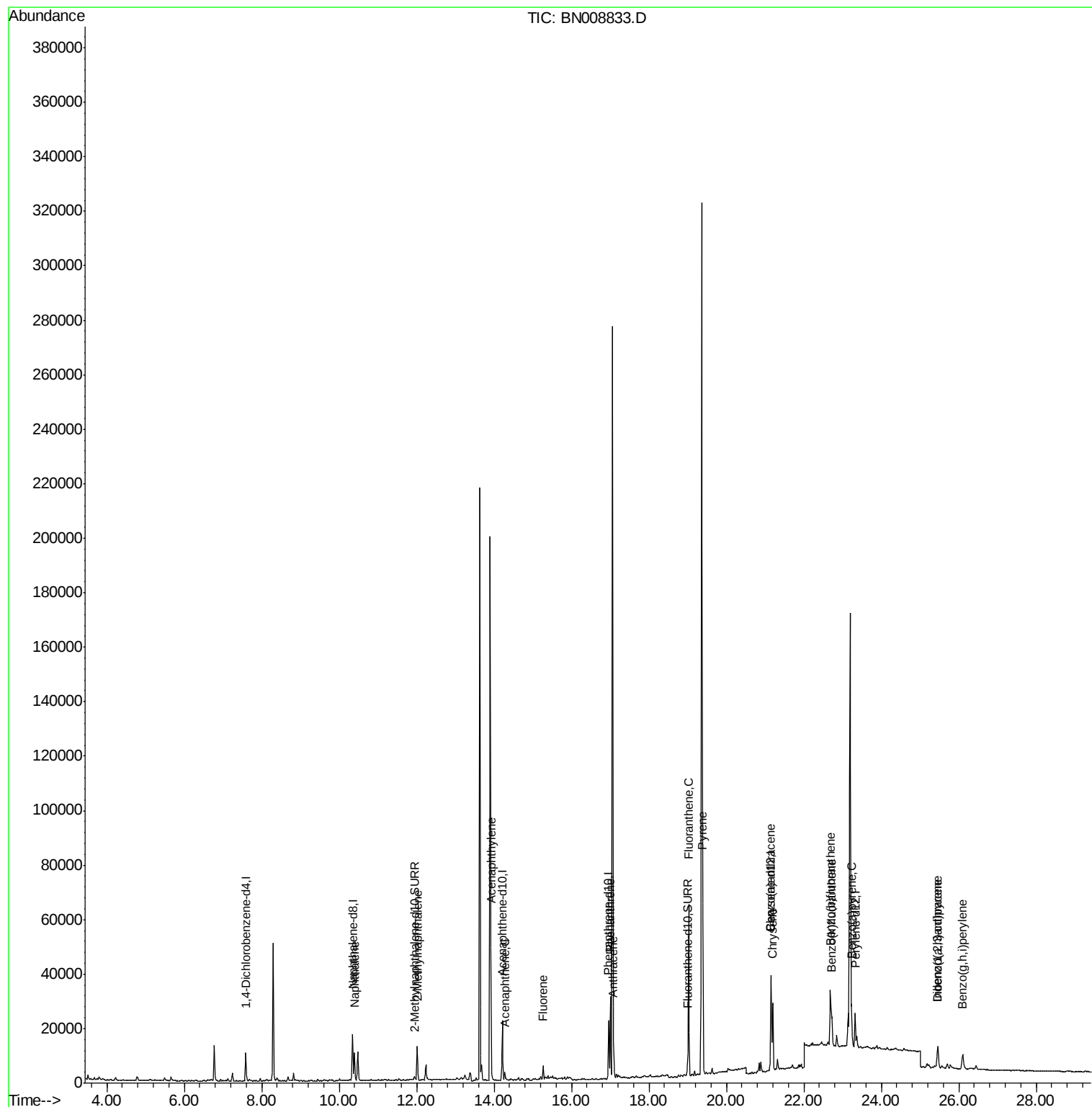
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN120319\
Data File : BN008833.D
Acq On : 03 Dec 2019 16:07
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Sample : K5854-17DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

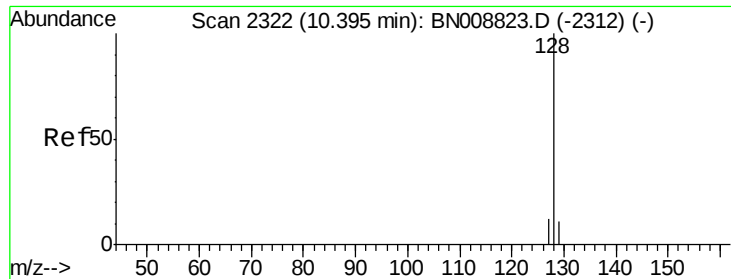
Instrument :
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C0AD3DL

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Quant Time: Dec 03 16:43:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 03 11:01:18 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.212 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. 0.00 min

Lab File: BN008833.D

Acq: 03 Dec 2019 16:07

Instrument :

BNA_N

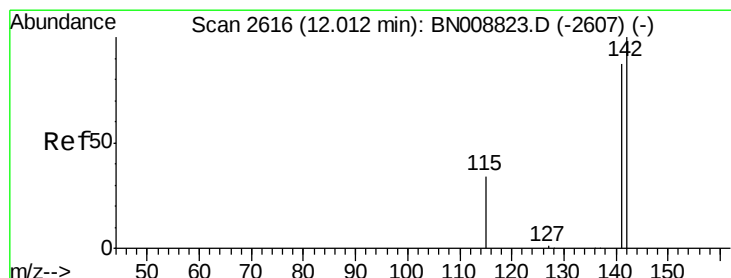
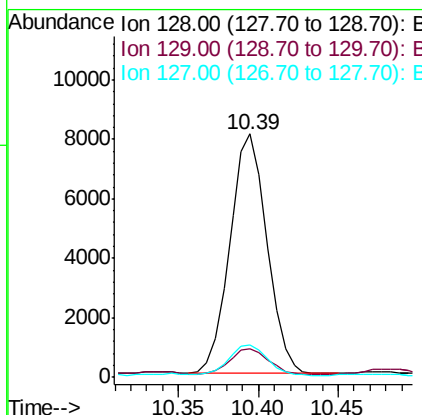
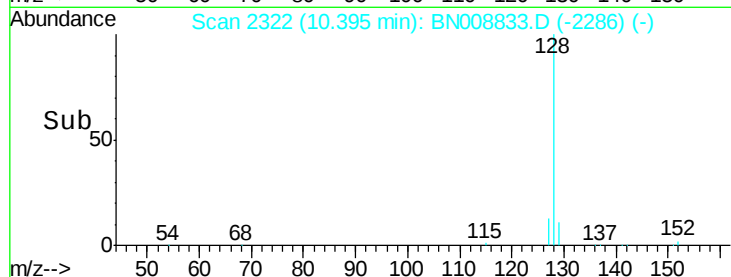
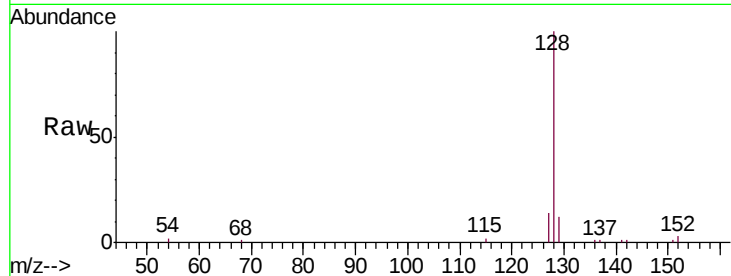
ClientSampled :

C0AD3DL

Tgt Ion:	128	Resp:	13044
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.1	13.7
127	13.5	10.7	16.1

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#5

2-Methylnaphthalene

Concen: 0.211 ng/ul

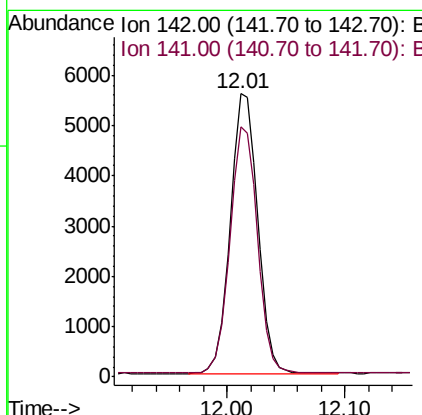
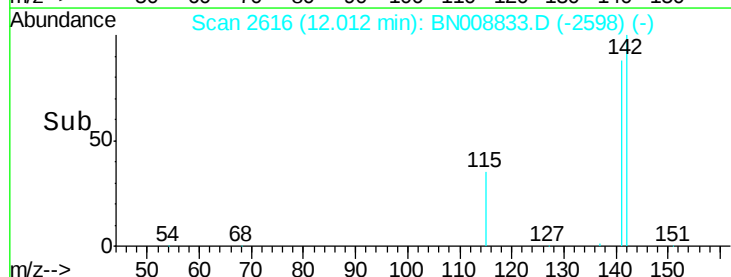
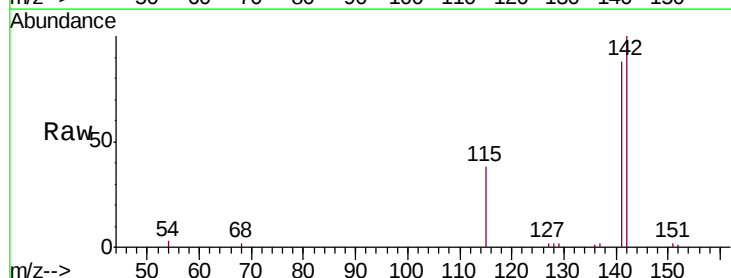
RT: 12.01 min Scan# 2616

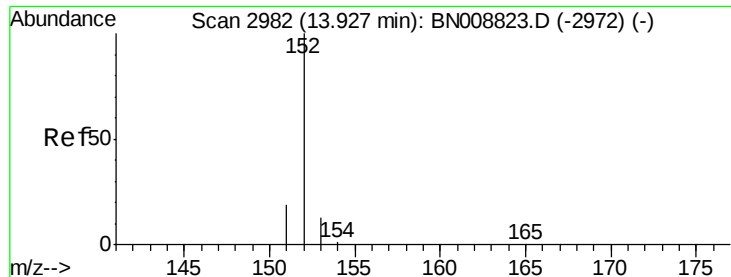
Delta R.T. 0.00 min

Lab File: BN008833.D

Acq: 03 Dec 2019 16:07

Tgt Ion:	142	Resp:	9068
Ion Ratio	Lower	Upper	
142	100		
141	88.1	70.1	105.1





#7

Acenaphthylene

Concen: 0.053 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BN008833.D

Acq: 03 Dec 2019 16:07

Instrument :

BNA_N

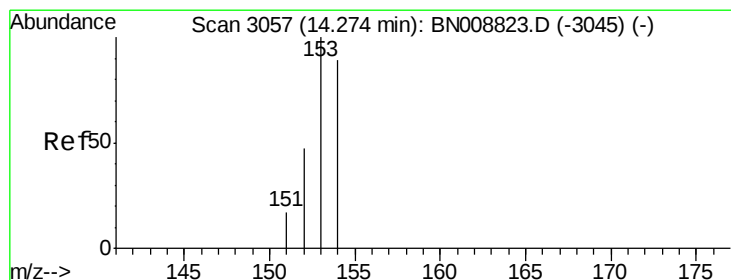
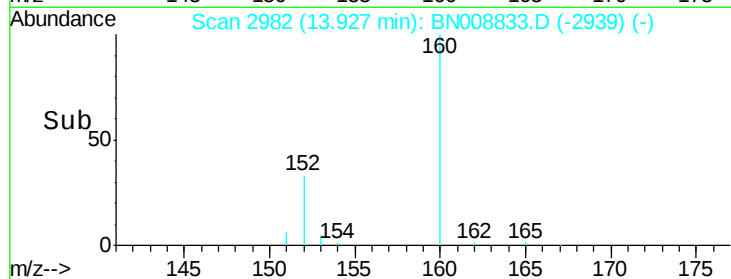
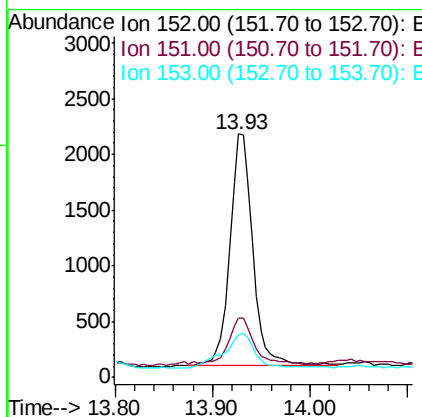
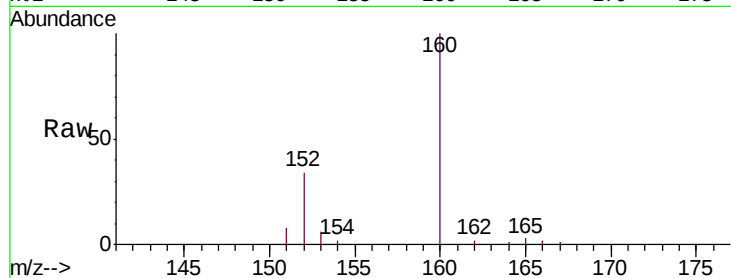
ClientSampleId :

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Tgt Ion:	152	Resp:	3420
Ion Ratio	Lower	Upper	
152	100		
151	24.2	15.8	23.6#
153	17.6	10.6	15.8#

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#8

Acenaphthene

Concen: 0.042 ng/ul

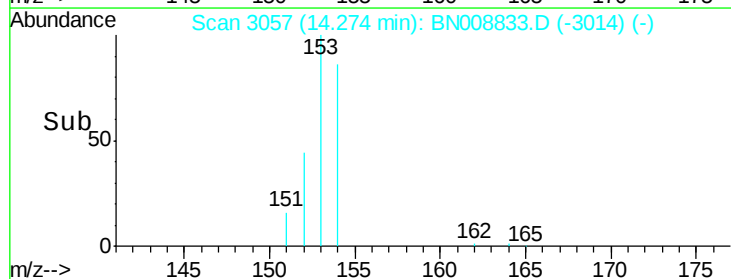
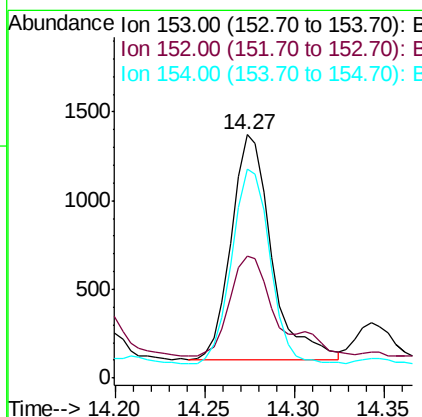
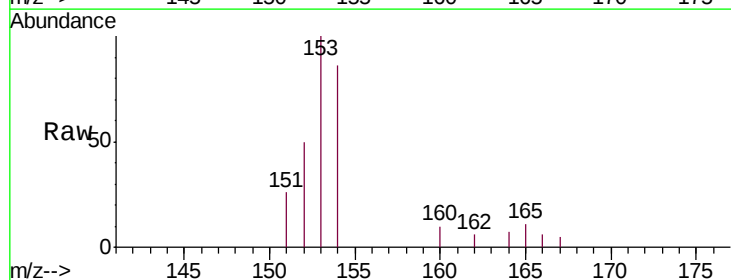
RT: 14.27 min Scan# 3057

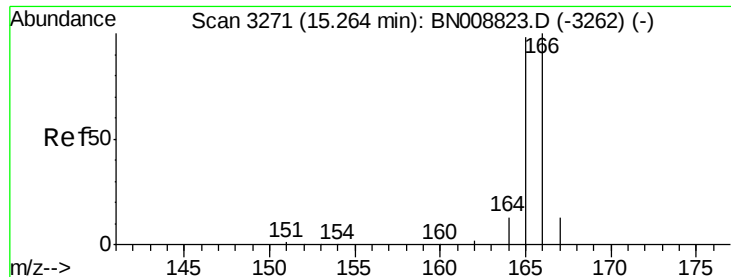
Delta R.T. 0.00 min

Lab File: BN008833.D

Acq: 03 Dec 2019 16:07

Tgt Ion:	153	Resp:	2015
Ion Ratio	Lower	Upper	
153	100		
152	50.3	38.6	58.0
154	86.0	70.6	105.8





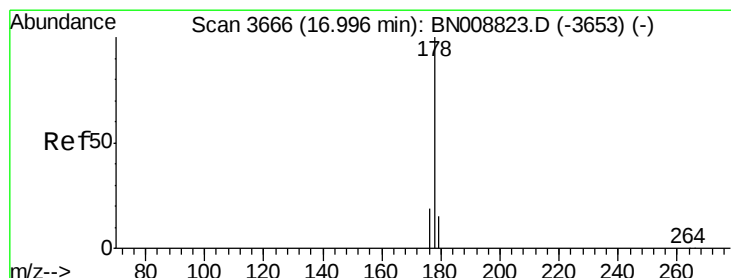
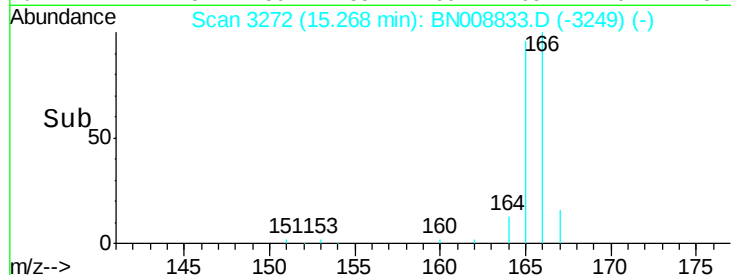
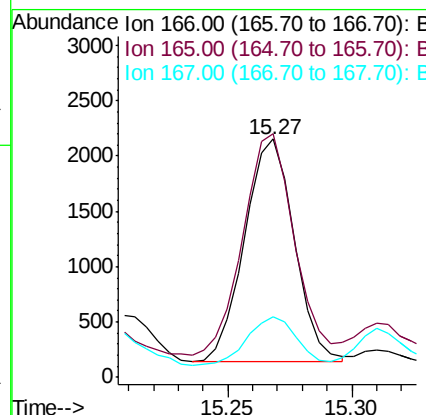
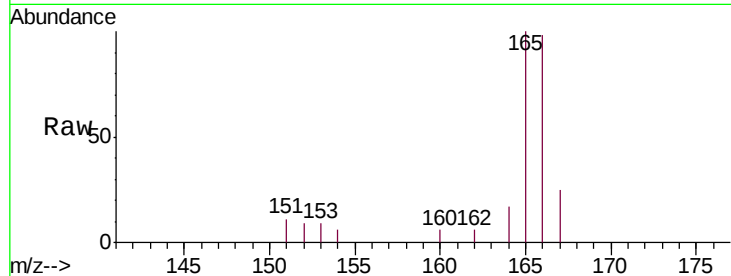
#9
Fluorene
 Concen: 0.049 ng/ul
 RT: 15.27 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: BN008833.D
 Acq: 03 Dec 2019 16:07

Instrument :
 BNA_N
 ClientSampleId :
 C0AD3DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.2	77.7	116.5
167	25.5	11.1	16.7

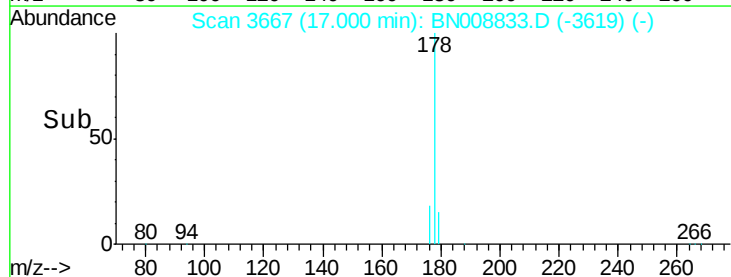
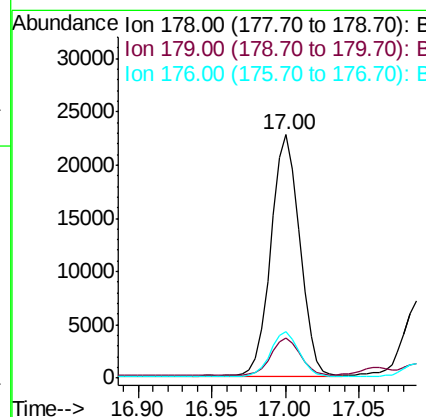
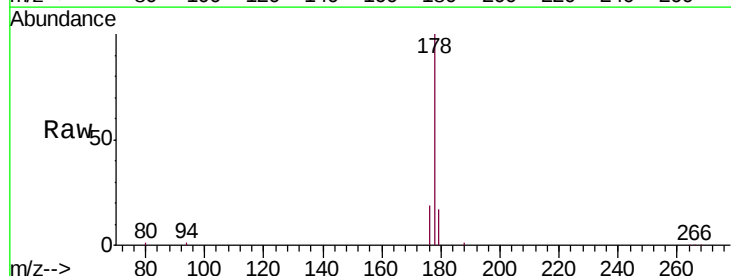
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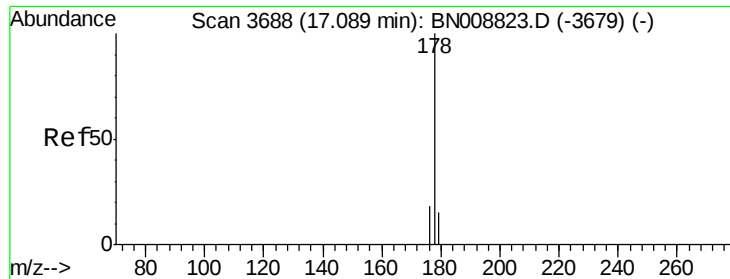
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#12
Phenanthrene
 Concen: 0.385 ng/ul
 RT: 17.00 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: BN008833.D
 Acq: 03 Dec 2019 16:07

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.6	18.8
176	18.8	15.3	22.9





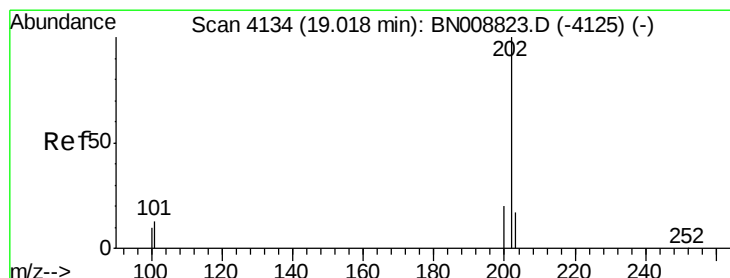
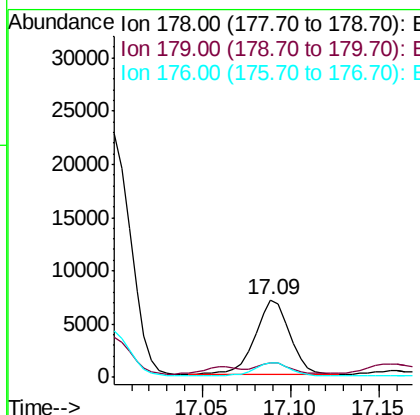
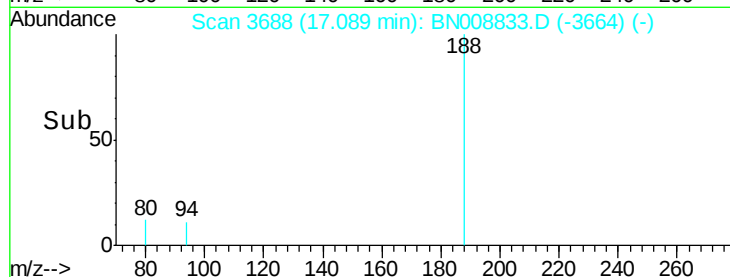
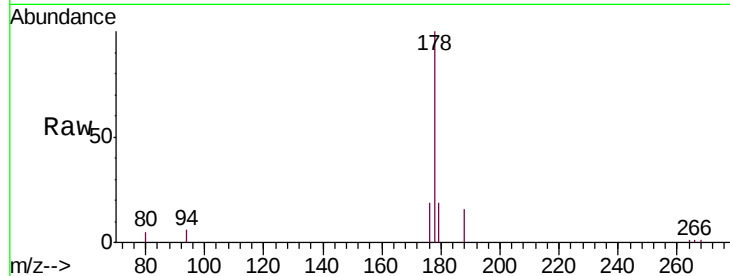
#13
 Anthracene
 Concen: 0.127 ng/ul
 RT: 17.09 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: BN008833.D
 Acq: 03 Dec 2019 16:07

Instrument :
 BNA_N
 ClientSampleId :
 C0AD3DL

Tgt Ion:178 Resp: 9577
 Ion Ratio Lower Upper
 178 100
 179 19.3 12.2 18.4#
 176 19.2 14.7 22.1

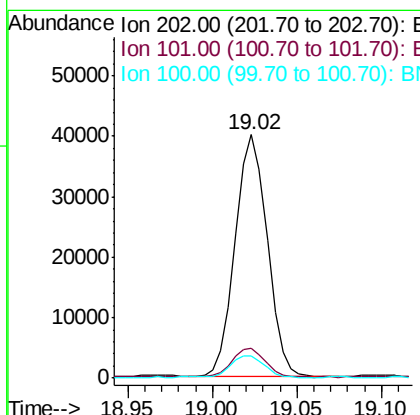
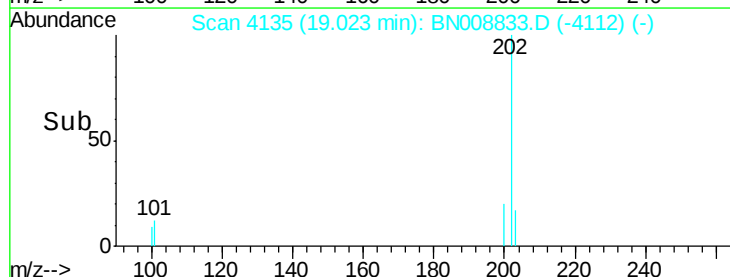
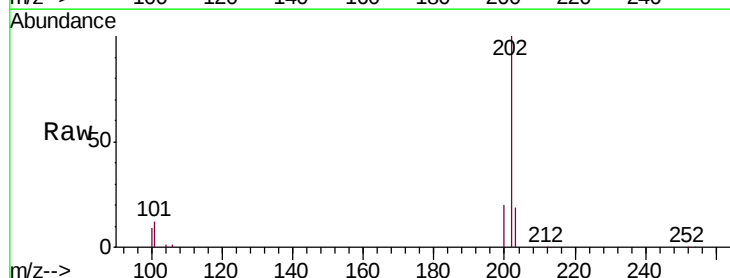
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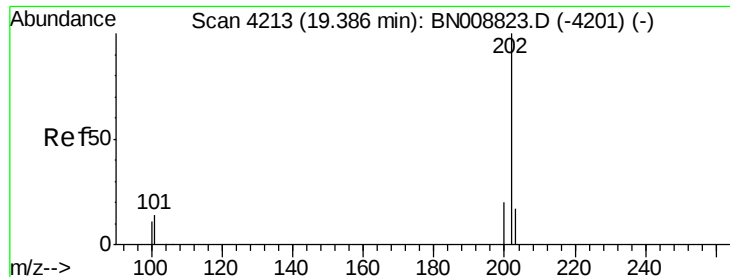
mohammad
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#15
 Fluoranthene
 Concen: 0.538 ng/ul
 RT: 19.02 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: BN008833.D
 Acq: 03 Dec 2019 16:07

Tgt Ion:202 Resp: 52560
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 32.4
 100 9.2 0.0 29.2





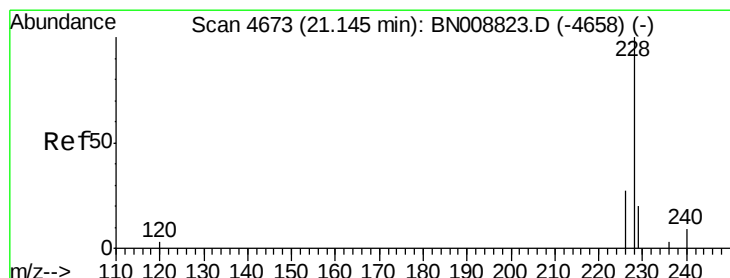
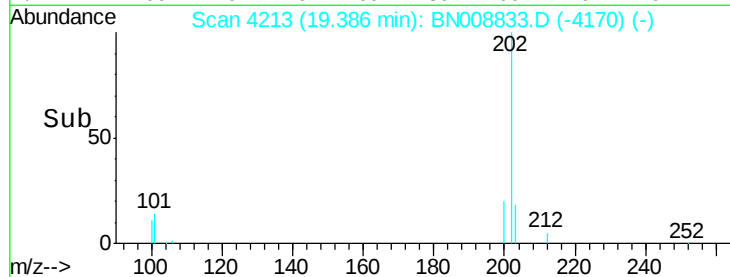
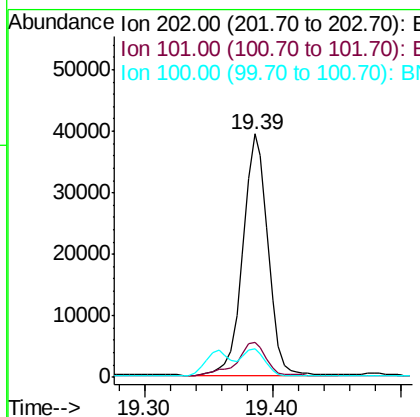
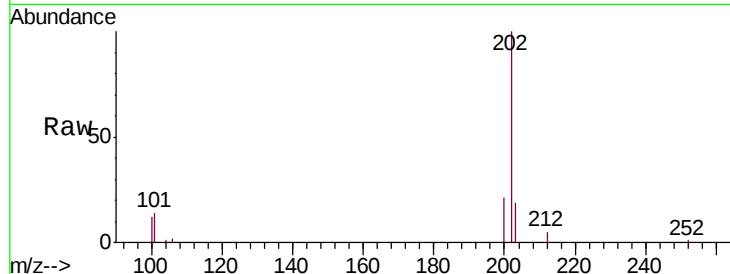
#17
 Pyrene
 Concen: 0.772 ng/ul
 RT: 19.39 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: BN008833.D
 Acq: 03 Dec 2019 16:07

Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion:	202	Resp:	52857
Ion Ratio	Lower	Upper	
202	100		
101	14.2	12.2	18.4
100	11.6	9.5	14.3

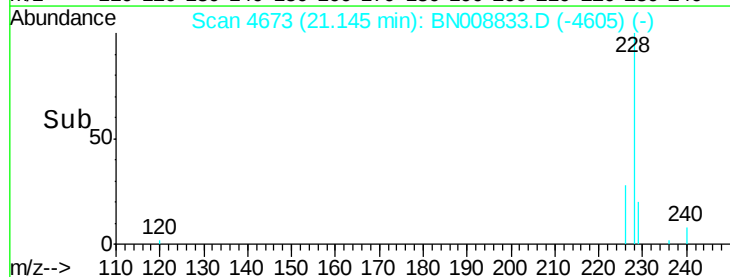
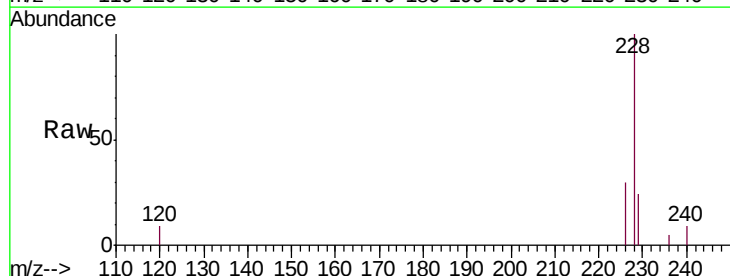
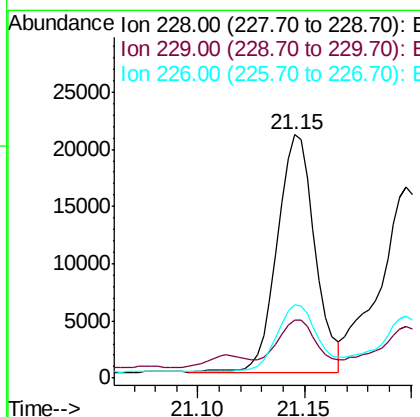
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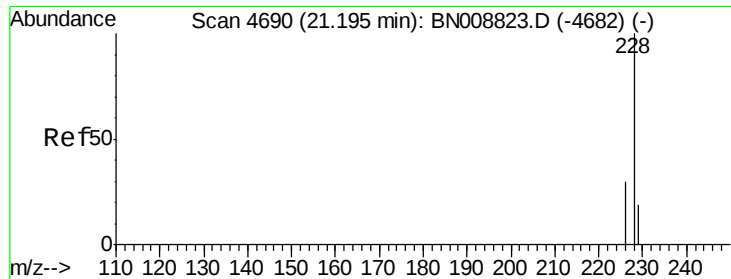
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#18
 Benzo(a)anthracene
 Concen: 0.372 ng/ul
 RT: 21.15 min Scan# 4673
 Delta R.T. 0.00 min
 Lab File: BN008833.D
 Acq: 03 Dec 2019 16:07

Tgt Ion:	228	Resp:	25559
Ion Ratio	Lower	Upper	
228	100		
229	24.0	15.7	23.5#
226	30.3	21.5	32.3





#19

Chrysene

Concen: 0.364 ng/ul

RT: 21.20 min Scan# 4691

Delta R.T. 0.00 min

Lab File: BN008833.D

Acq: 03 Dec 2019 16:07

Instrument :

BNA_N

ClientSampleId :

C0AD3DL

Tgt Ion:228 Resp: 24510

Ion Ratio Lower Upper

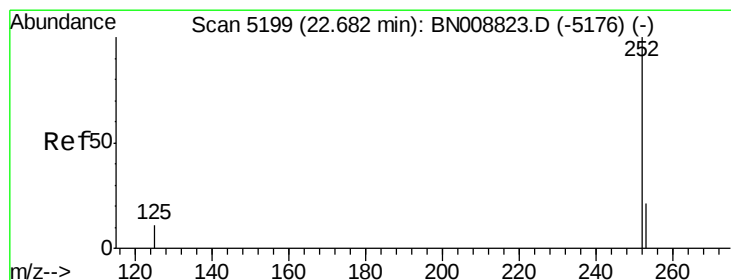
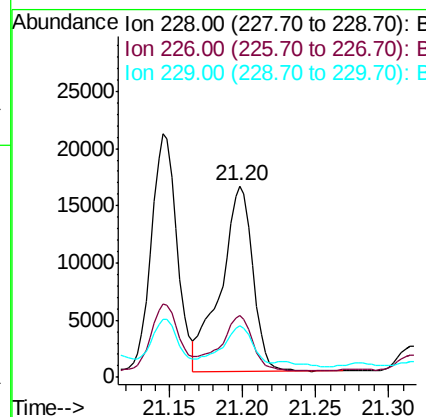
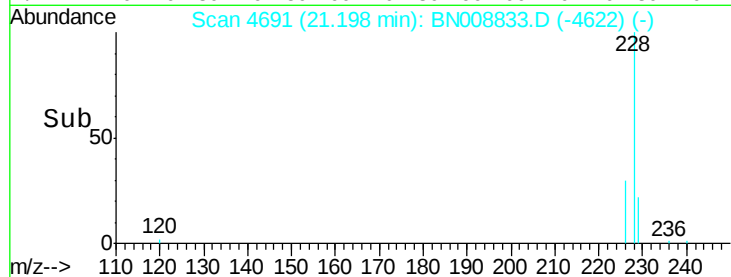
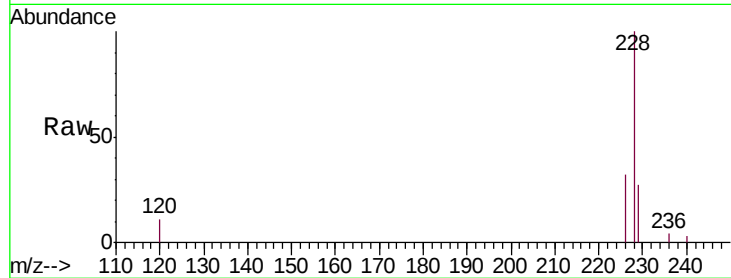
228 100

226 32.4 23.8 35.6

229 26.9 15.6 23.4#

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#21

Benzo(b)fluoranthene

Concen: 0.489 ng/ul m

RT: 22.69 min Scan# 5200

Delta R.T. 0.00 min

Lab File: BN008833.D

Acq: 03 Dec 2019 16:07

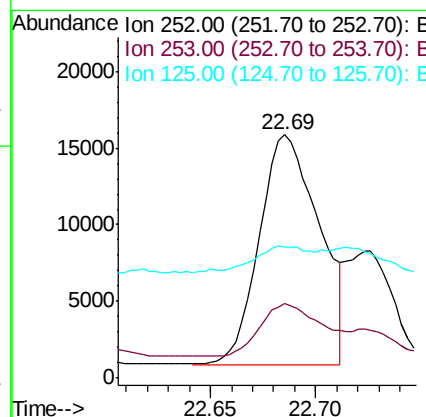
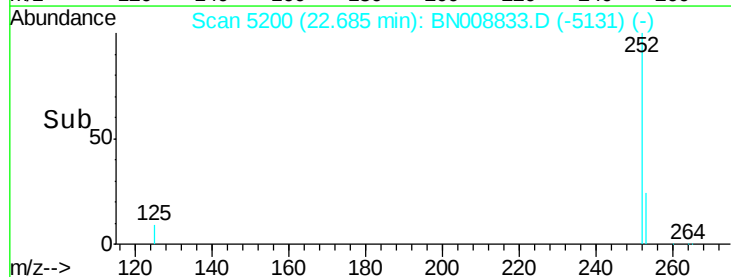
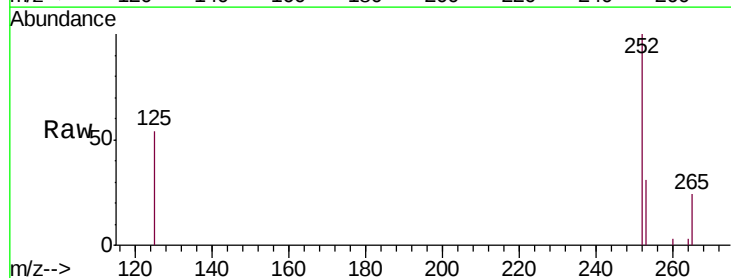
Tgt Ion:252 Resp: 30036

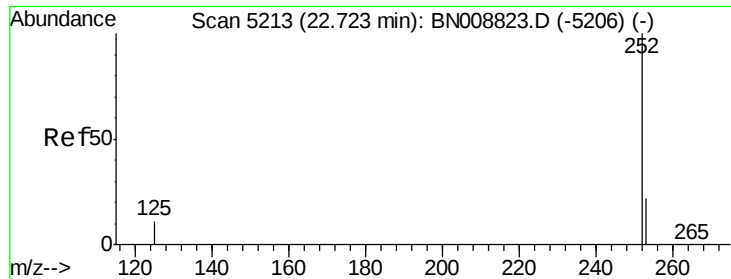
Ion Ratio Lower Upper

252 100

253 30.7 0.0 48.6

125 53.6 0.0 31.6#





#22

Benzo(k)fluoranthene

Concen: 0.183 ng/ul m

RT: 22.72 min Scan# 5213

Delta R.T. 0.00 min

Lab File: BN008833.D

Acq: 03 Dec 2019 16:07

Instrument :

BNA_N

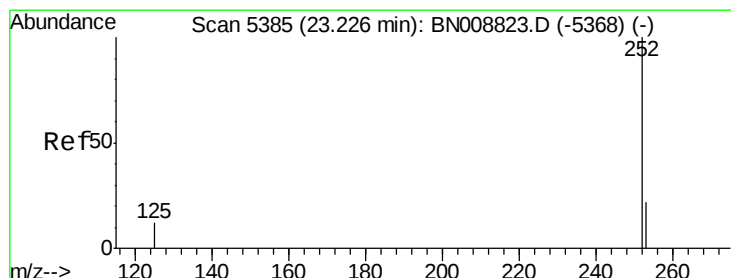
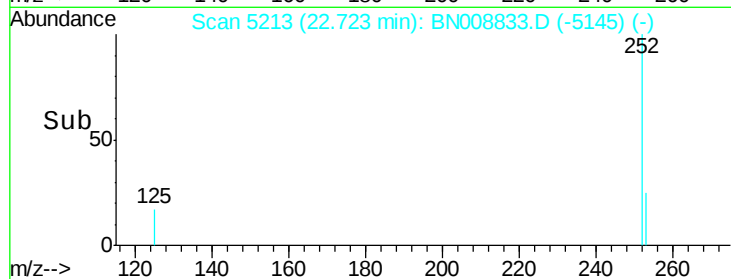
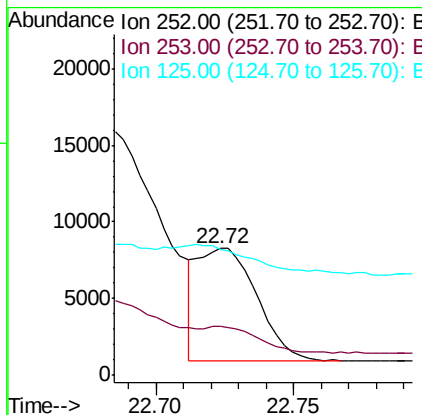
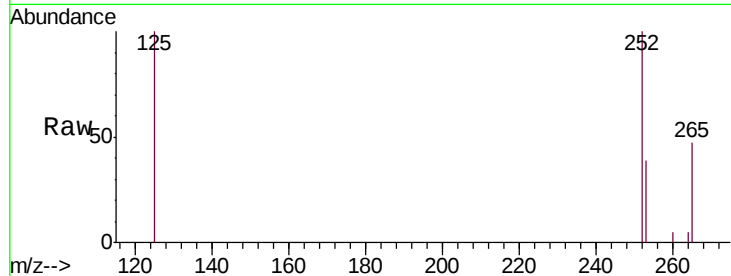
ClientSampleId :

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Tgt Ion:	252	Resp:	11184
Ion Ratio	Lower	Upper	
252	100		
253	38.6	19.6	29.4#
125	99.7	13.8	20.6#

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#23

Benzo(a)pyrene

Concen: 0.341 ng/ul

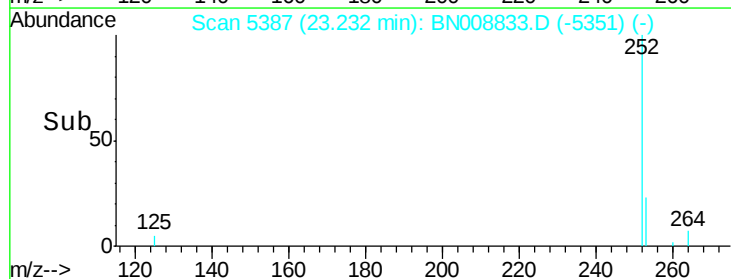
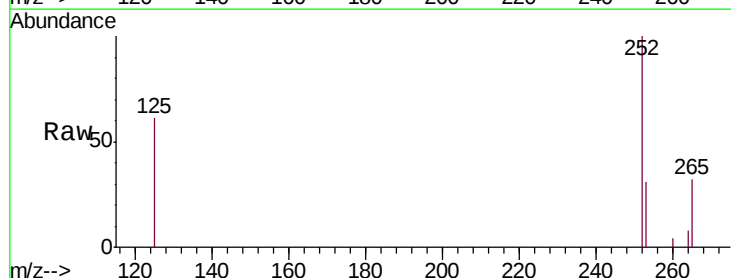
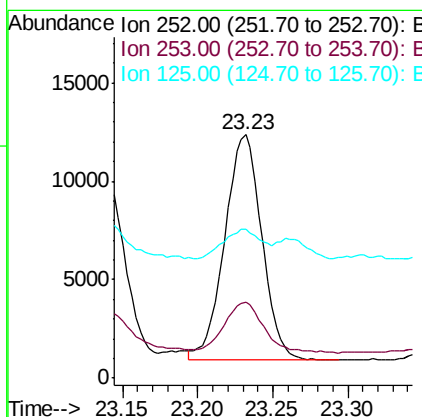
RT: 23.23 min Scan# 5387

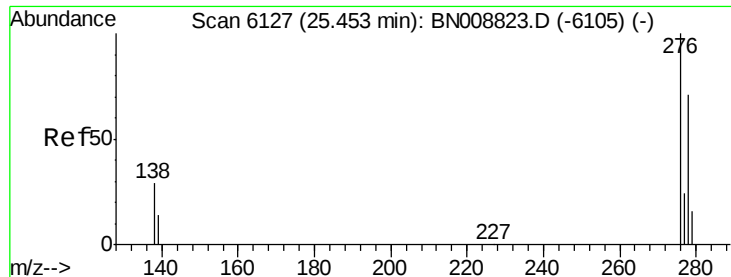
Delta R.T. 0.01 min

Lab File: BN008833.D

Acq: 03 Dec 2019 16:07

Tgt Ion:	252	Resp:	19678
Ion Ratio	Lower	Upper	
252	100		
253	31.2	19.9	29.9#
125	61.4	14.6	22.0#





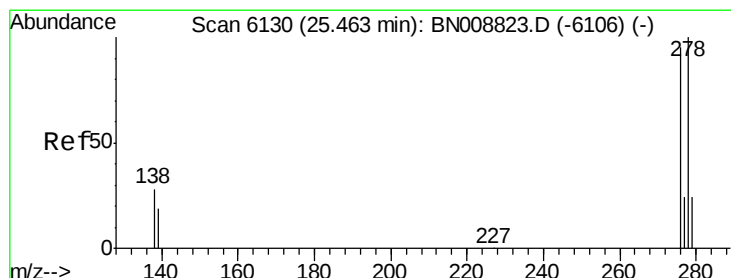
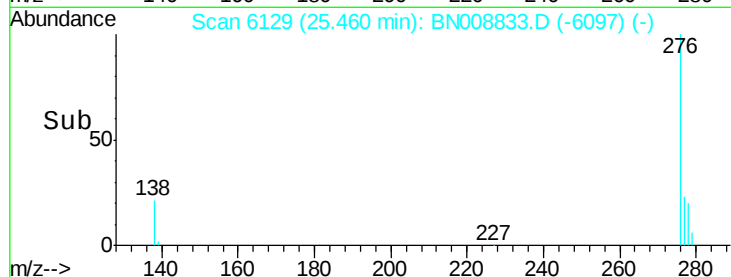
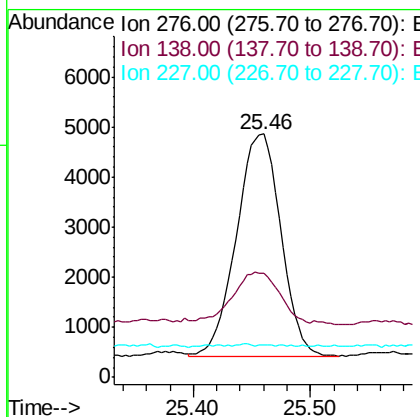
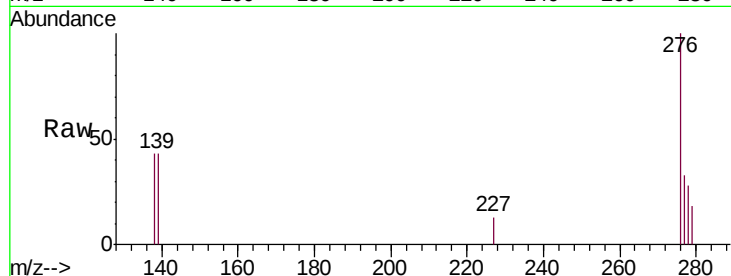
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.175 ng/u1
 RT: 25.46 min Scan# 6129
 Delta R.T. 0.01 min
 Lab File: BN008833.D
 Acq: 03 Dec 2019 16:07

Instrument :
 BNA_N
 ClientSampleId :
 C0AD3DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.8	23.8	35.6
227	0.3	0.2	0.2#

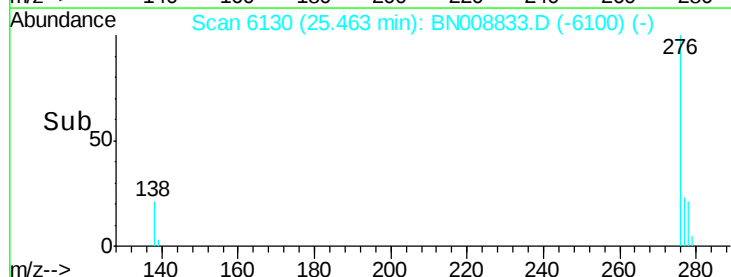
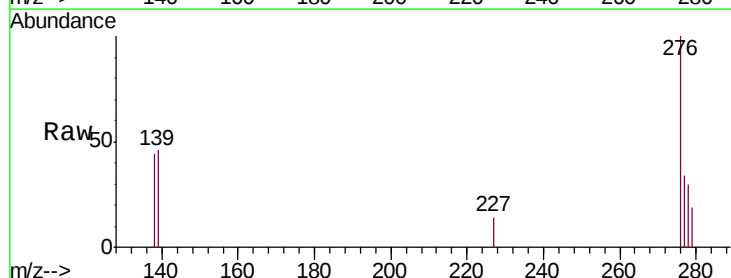
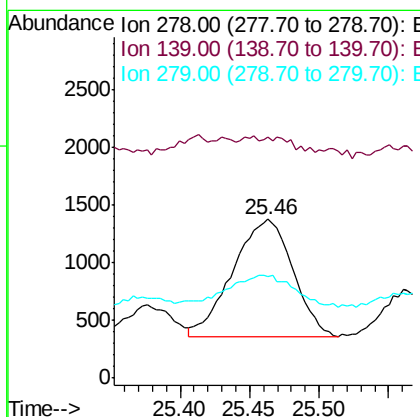
Manual Integrations
 APPROVED

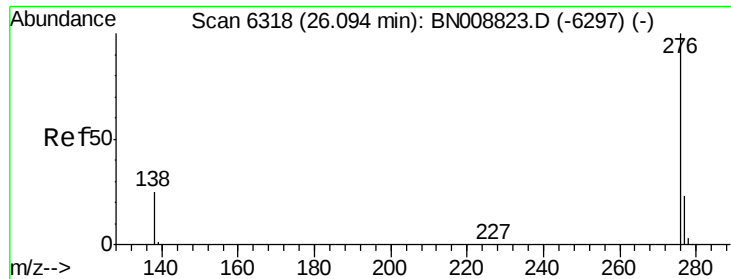
mohammad
 12/3/2019 5:10:30 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.056 ng/u1
 RT: 25.46 min Scan# 6130
 Delta R.T. 0.00 min
 Lab File: BN008833.D
 Acq: 03 Dec 2019 16:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	152.0	17.4	26.0#
279	64.2	20.5	30.7#





#26

Benzo(g,h,i)perylene

Concen: 0.195 ng/ul

RT: 26.10 min Scan# 6320

Delta R.T. 0.01 min

Lab File: BN008833.D

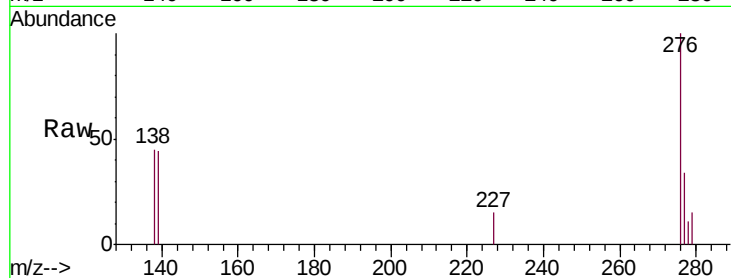
Acq: 03 Dec 2019 16:07

Instrument :

BNA_N

ClientSampleId :

C0AD3DL



Tgt Ion	Ratio	Lower	Upper
276	100		
138	45.2	21.9	32.9#
277	34.1	19.9	29.9#

Manual Integrations
APPROVED

mohammad
12/3/2019 5:10:30 PM

