

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120219\
 Data File : BN008813.D
 Acq On : 02 Dec 2019 14:19
 Operator : JU
 Sample : K5851-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA8

Manual Integrations
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mohammad
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Quant Time: Dec 02 15:15:04 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 : Mon Dec 02 12:46:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	5298	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	21588	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	12711	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	25064	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	17031	0.40	ng/ul	0.01
20) Perylene-d12	23.32	264	18195	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.94	152	4670	0.13	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	10383	0.14	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	89339	1.373	ng/ul	99
5) 2-Methylnaphthalene	12.01	142	39886	0.878	ng/ul	100
7) Acenaphthylene	13.93	152	337973	4.809	ng/ul	100
8) Acenaphthene	14.27	153	80199	1.538	ng/ul	99
9) Fluorene	15.27	166	520091	8.493	ng/ul	99
12) Phenanthrene	17.00	178	4634753	54.831	ng/ul	100
13) Anthracene	17.09	178	1184030	14.825	ng/ul	99
15) Fluoranthene	19.03	202	6416702	61.789	ng/ul	96
17) Pyrene	19.39	202	5097755	74.610	ng/ul	99
18) Benzo(a)anthracene	21.15	228	2256168	32.941	ng/ul	96
19) Chrysene	21.20	228	2097239	31.176	ng/ul	96
21) Benzo(b)fluoranthene	22.69	252	2180084m	29.057	ng/ul	
22) Benzo(k)fluoranthene	22.73	252	875397m	11.764	ng/ul	
23) Benzo(a)pyrene	23.24	252	1567742m	22.261	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.46	276	892812	10.840	ng/ul	90
25) Dibenzo(a,h)anthracene	25.47	278	219867	3.305	ng/ul	96
26) Benzo(a,h,i)perylene	26.11	276	846874	12.292	ng/ul	97

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

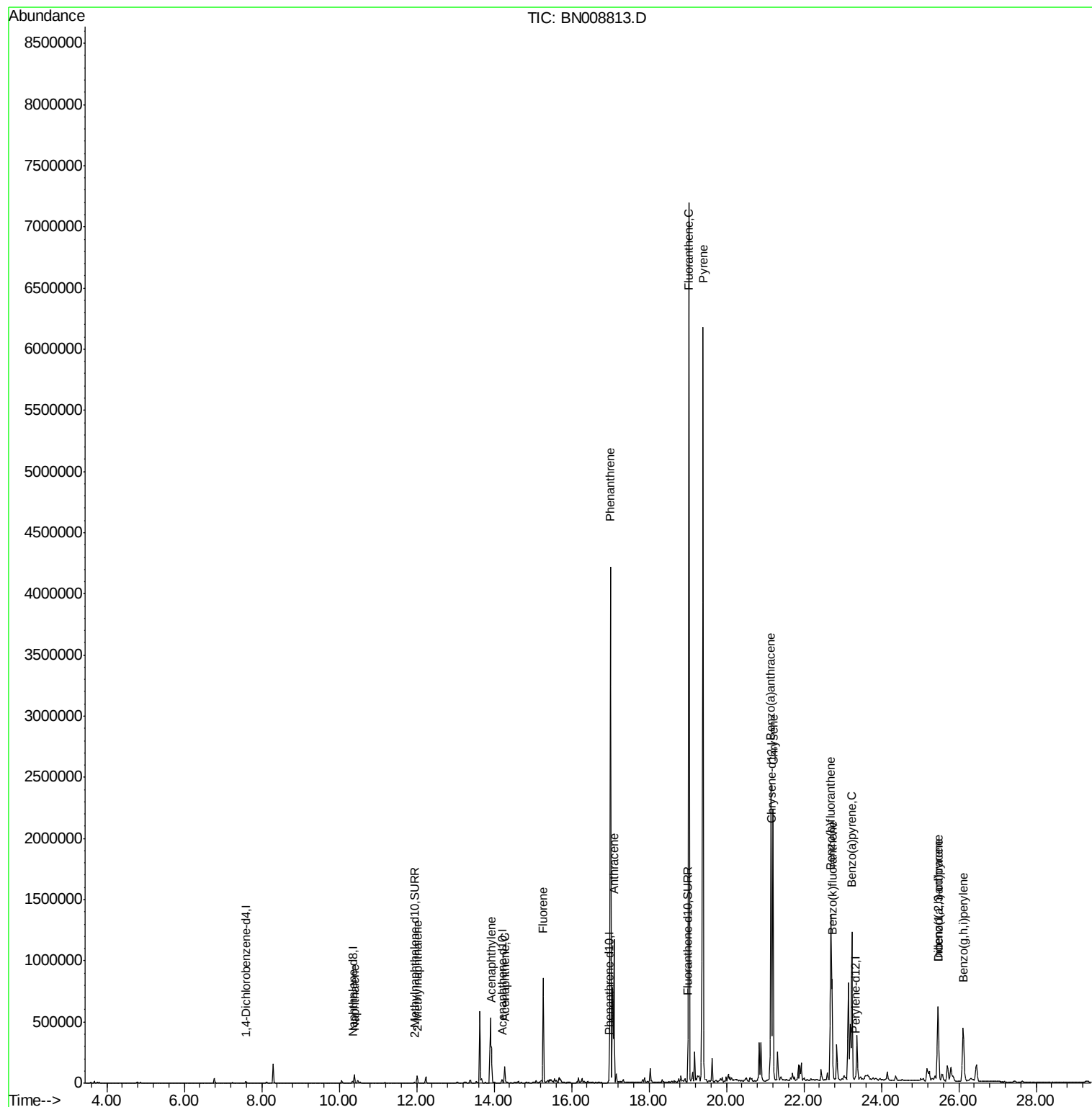
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120219\
Data File : BN008813.D
Acq On : 02 Dec 2019 14:19
Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

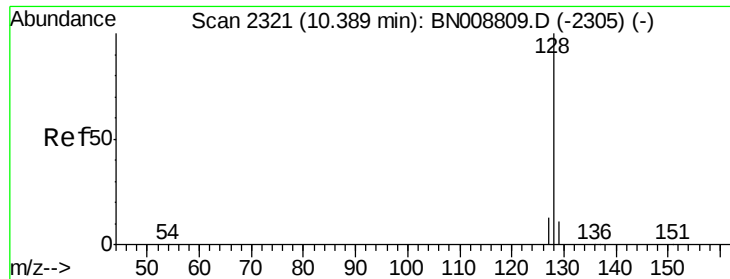
Instrument :
BNA_N
ClientSampleId :
C0AA8

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Quant Time: Dec 02 15:15:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 02 12:46:36 2019
Response via : Initial Calibration





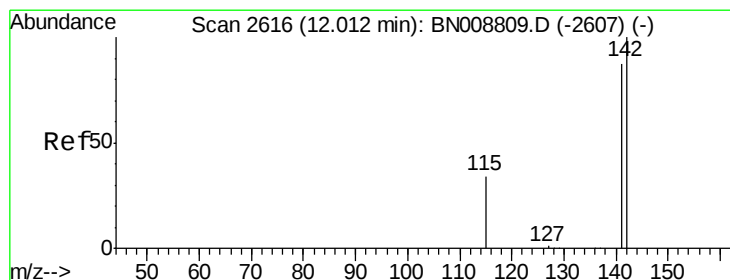
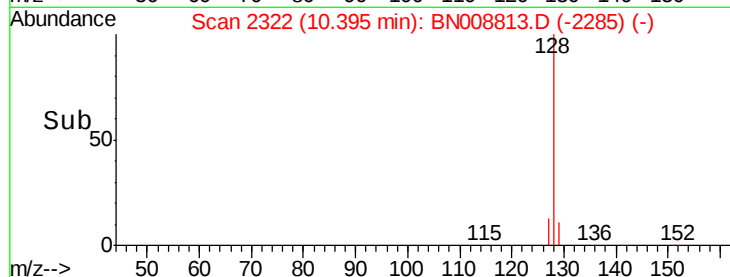
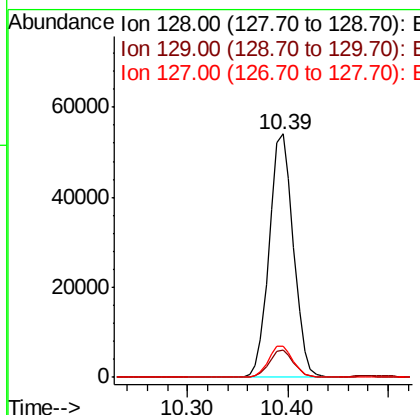
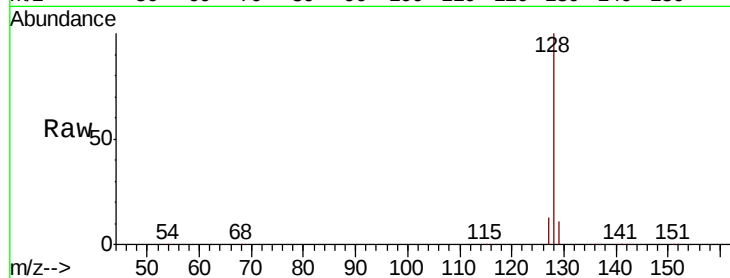
#3
Naphthalene
Concen: 1.373 ng/ul
RT: 10.39 min Scan# 2322
Delta R.T. 0.01 min
Lab File: BN008813.D
Acq: 02 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
C0AA8

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	12.9	10.7	16.1

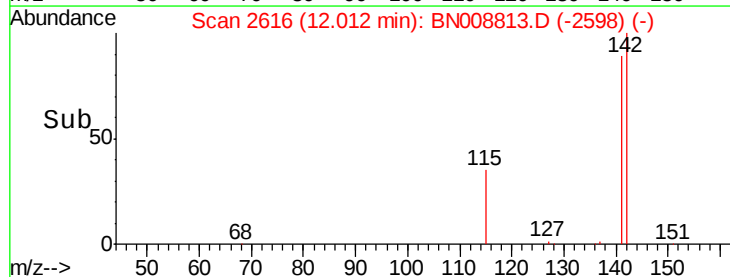
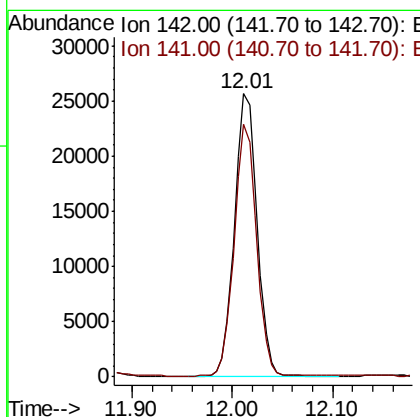
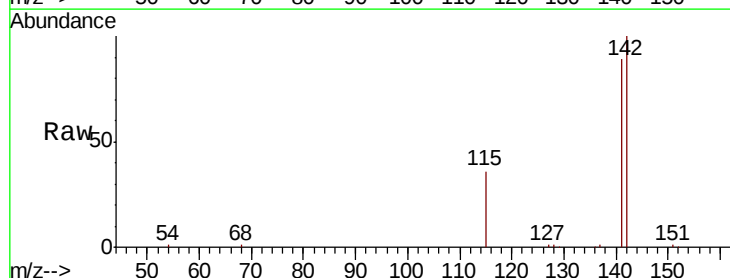
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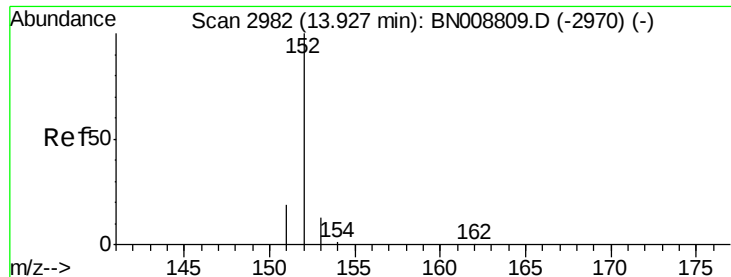
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#5
2-Methylnaphthalene
Concen: 0.878 ng/ul
RT: 12.01 min Scan# 2616
Delta R.T. 0.00 min
Lab File: BN008813.D
Acq: 02 Dec 2019 14:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.1	105.1





#7

Acenaphthylene

Concen: 4.809 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BN008813.D

Acq: 02 Dec 2019 14:19

Instrument :

BNA_N

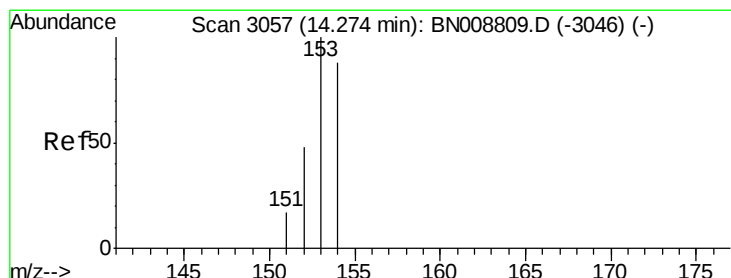
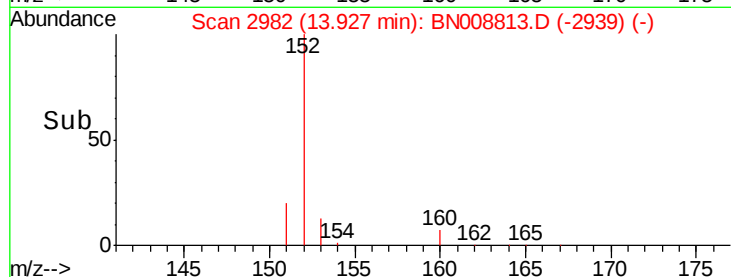
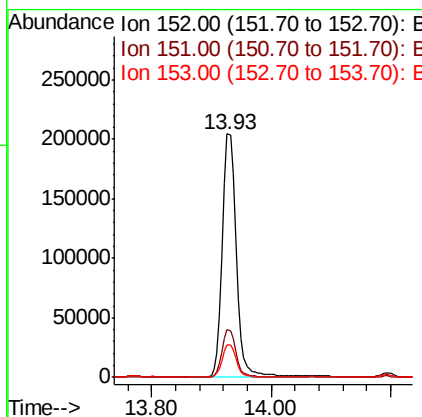
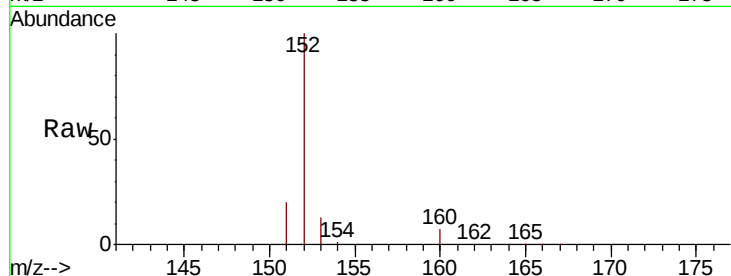
ClientSampled :

C0AA8

Tot Ion:	152	Resp:	337973
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.8	23.6
153	13.4	10.6	15.8

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#8

Acenaphthene

Concen: 1.538 ng/ul

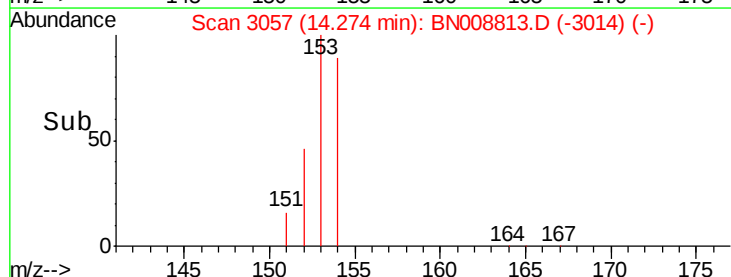
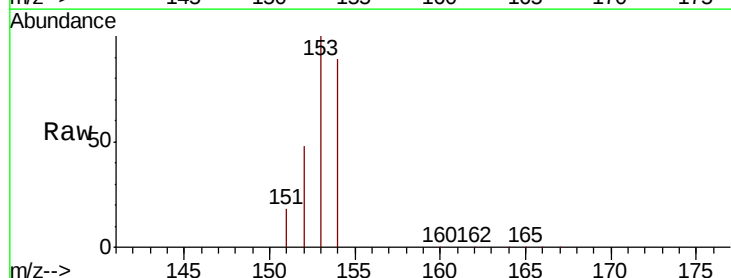
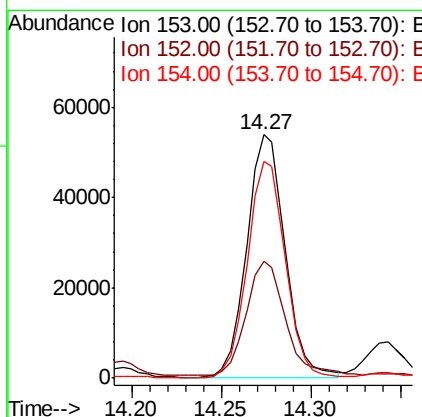
RT: 14.27 min Scan# 3057

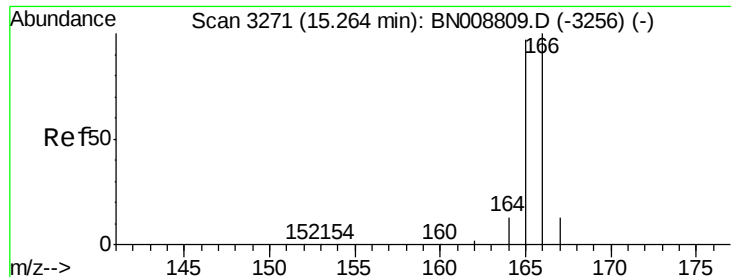
Delta R.T. 0.00 min

Lab File: BN008813.D

Acq: 02 Dec 2019 14:19

Tgt Ion:	153	Resp:	80199
Ion Ratio	Lower	Upper	
153	100		
152	47.8	38.6	58.0
154	89.0	70.6	105.8





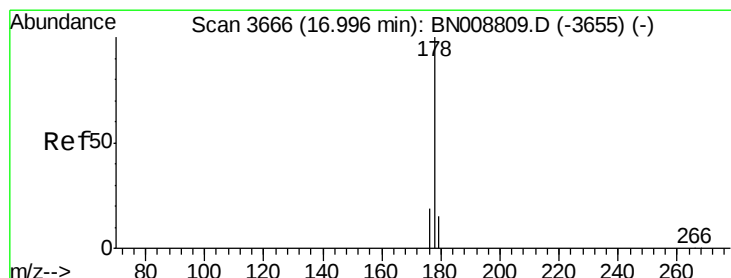
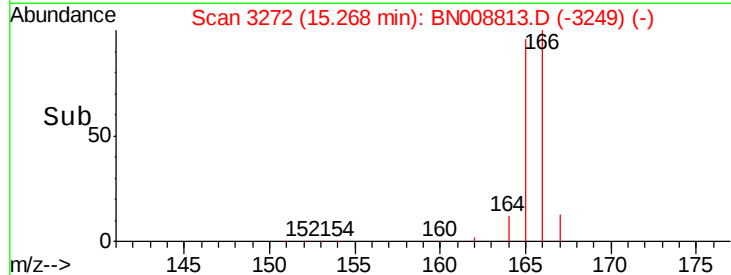
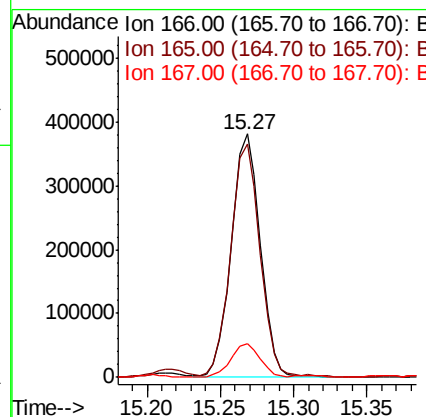
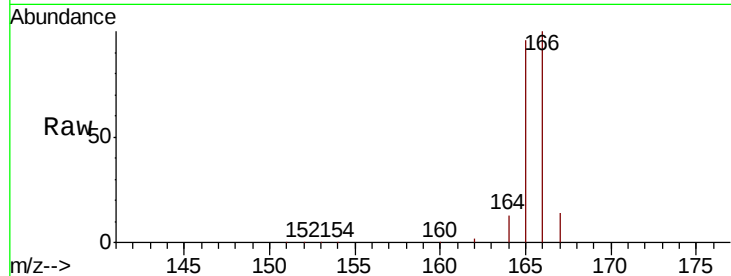
#9
Fluorene
 Concen: 8.493 ng/ul
 RT: 15.27 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: BN008813.D
 Acq: 02 Dec 2019 14:19

Instrument :
 BNA_N
 ClientSampled :
 C0AA8

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.7	116.5
167	13.7	11.1	16.7

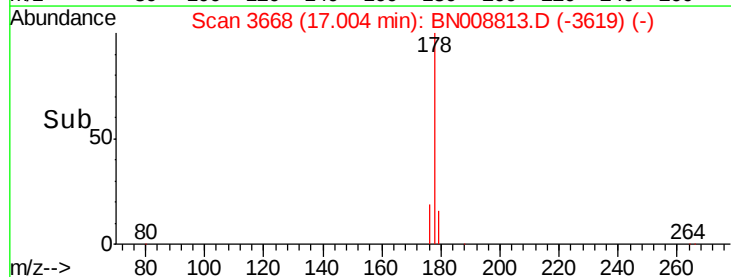
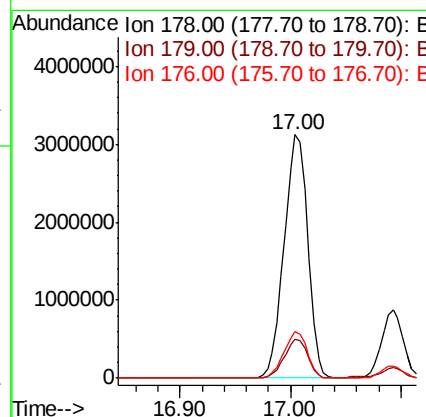
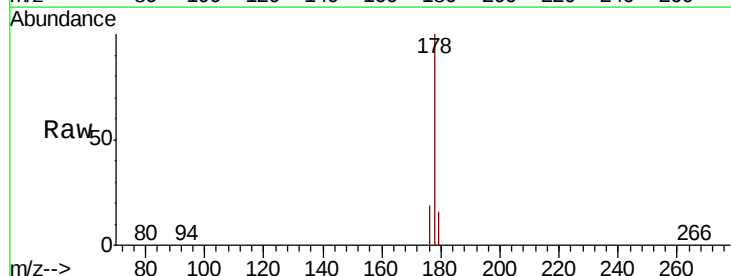
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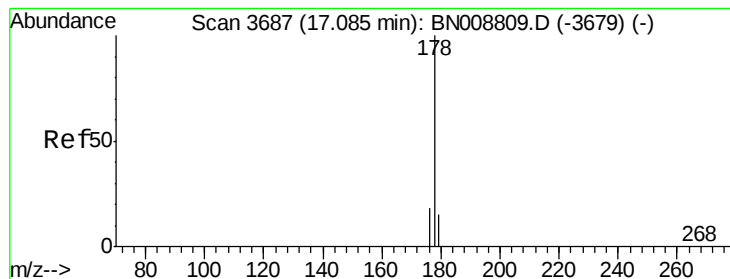
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#12
Phenanthrene
 Concen: 54.831 ng/ul
 RT: 17.00 min Scan# 3668
 Delta R.T. 0.01 min
 Lab File: BN008813.D
 Acq: 02 Dec 2019 14:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	18.8
176	19.2	15.3	22.9





#13

Anthracene

Concen: 14.825 ng/ul

RT: 17.09 min Scan# 3689

Delta R.T. 0.01 min

Lab File: BN008813.D

Acq: 02 Dec 2019 14:19

Instrument :

BNA_N

ClientSampleId :

C0AA8

Tot Ion:178 Resp: 1184030

Ion Ratio Lower Upper

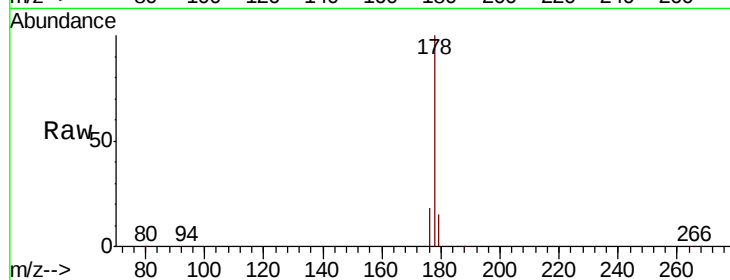
178 100

179 15.4 12.2 18.4

176 18.1 14.7 22.1

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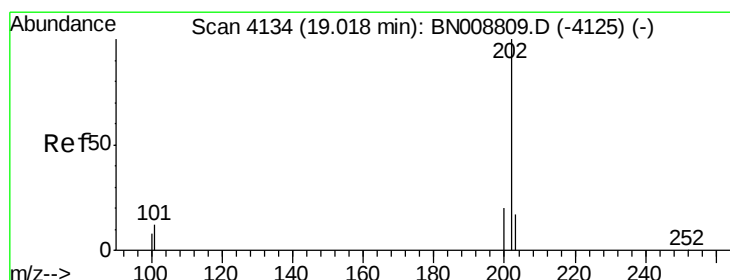
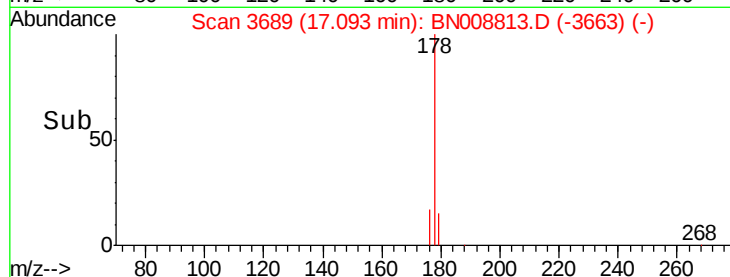
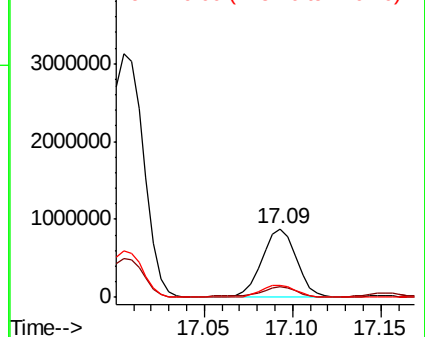


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 61.789 ng/ul

RT: 19.03 min Scan# 4137

Delta R.T. 0.01 min

Lab File: BN008813.D

Acq: 02 Dec 2019 14:19

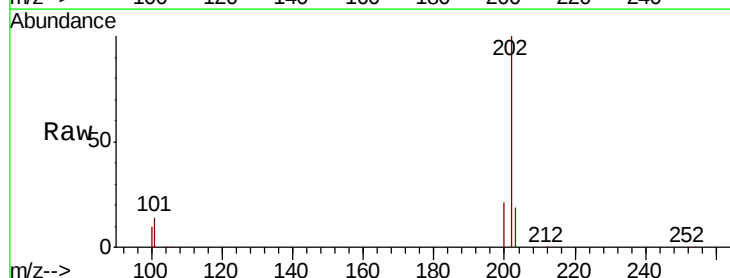
Tgt Ion:202 Resp: 6416702

Ion Ratio Lower Upper

202 100

101 13.9 0.0 32.4

100 10.4 0.0 29.2

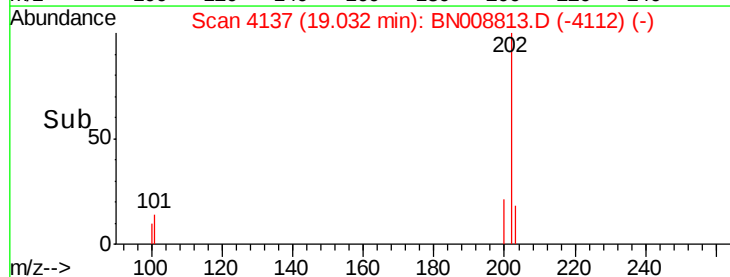
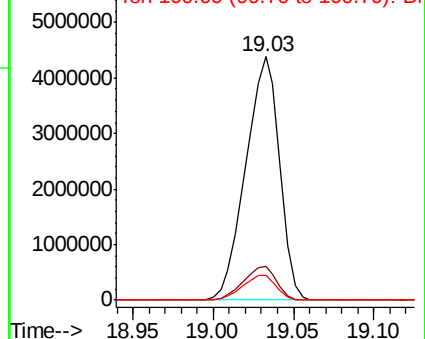


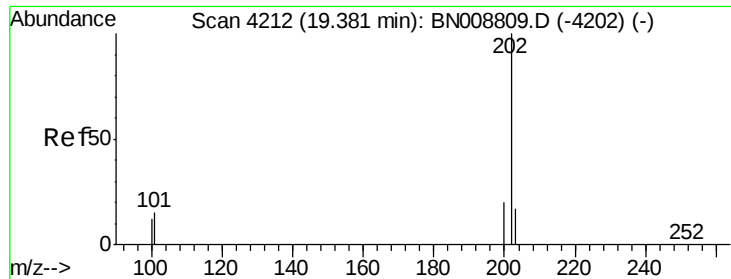
Abundance

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





#17

Pvrene

Concen: 74.610 ng/ul

RT: 19.39 min Scan# 4215

Delta R.T. 0.01 min

Lab File: BN008813.D

Acq: 02 Dec 2019 14:19

Instrument :

BNA_N

ClientSampleId :

C0AA8

Tot Ion:202 Resp: 5097755

Ion Ratio Lower Upper

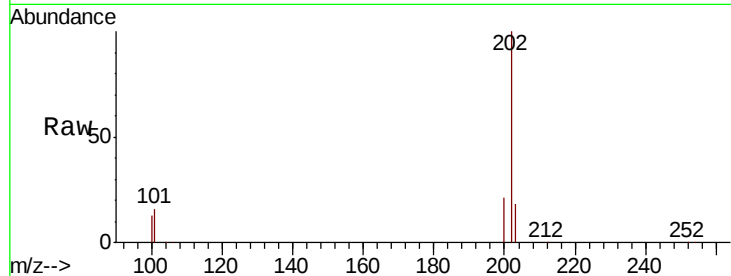
202 100

101 15.6 12.2 18.4

100 12.5 9.5 14.3

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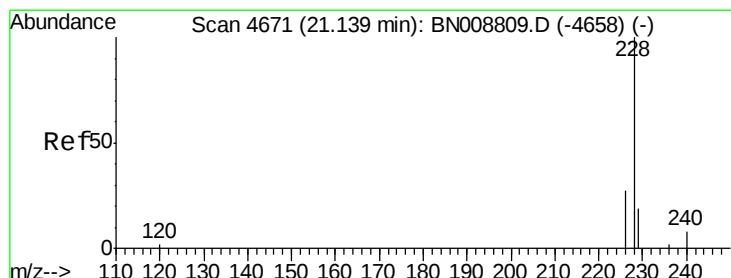
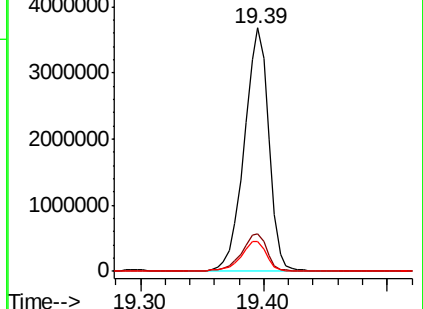
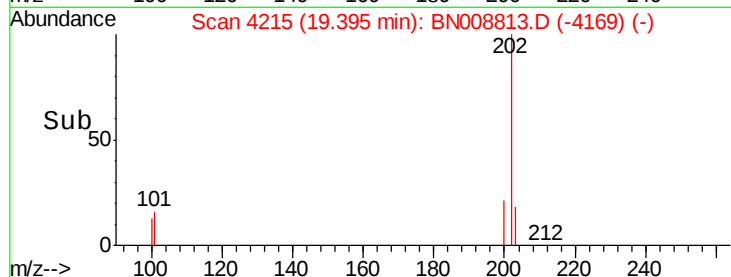
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#18

Benzo(a)anthracene

Concen: 32.941 ng/ul

RT: 21.15 min Scan# 4674

Delta R.T. 0.01 min

Lab File: BN008813.D

Acq: 02 Dec 2019 14:19

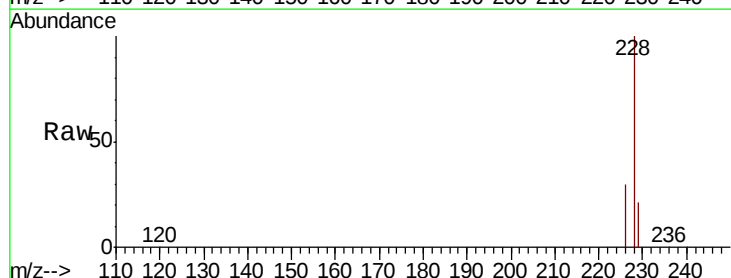
Tgt Ion:228 Resp: 2256168

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

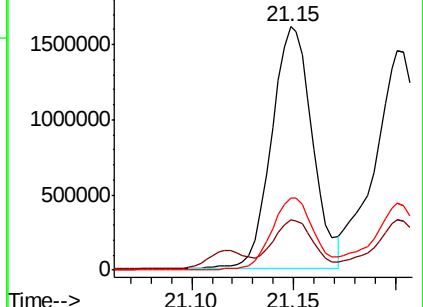
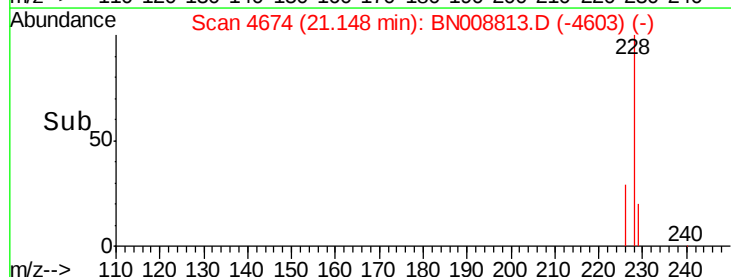
226 29.6 21.5 32.3

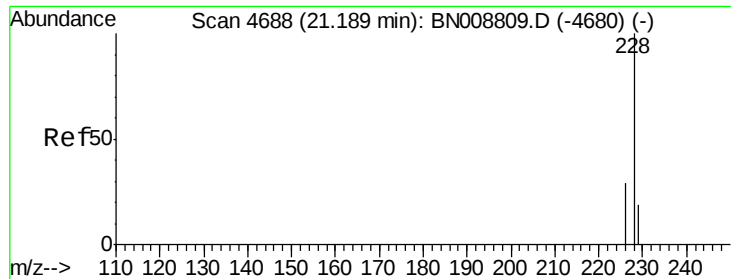


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 31.176 ng/ul

RT: 21.20 min Scan# 4692

Delta R.T. 0.01 min

Lab File: BN008813.D

Acq: 02 Dec 2019 14:19

Instrument :

BNA_N

ClientSampleId :

C0AA8

Tot Ion:228 Resp: 2097239

Ion Ratio Lower Upper

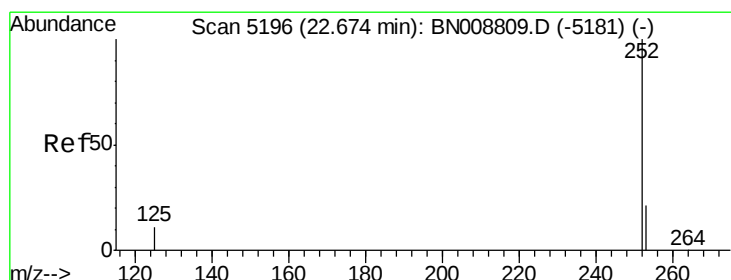
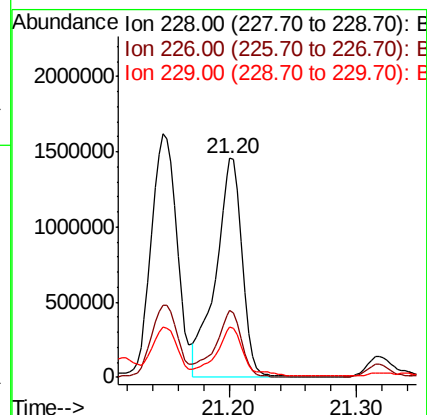
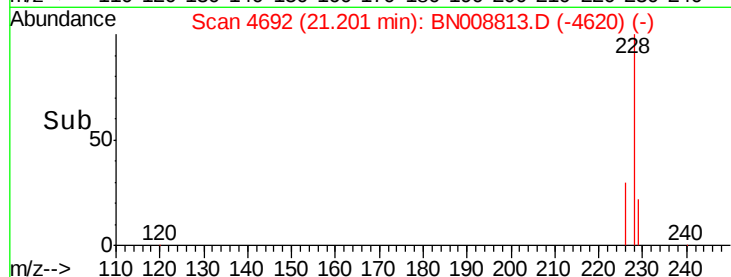
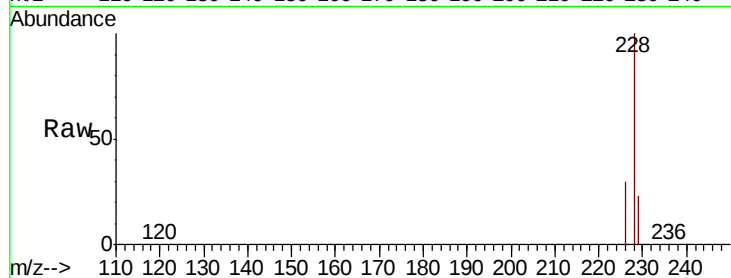
228 100

226 30.4 23.8 35.6

229 22.8 15.6 23.4

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#21

Benzo(b)fluoranthene

Concen: 29.057 ng/ul m

RT: 22.69 min Scan# 5203

Delta R.T. 0.02 min

Lab File: BN008813.D

Acq: 02 Dec 2019 14:19

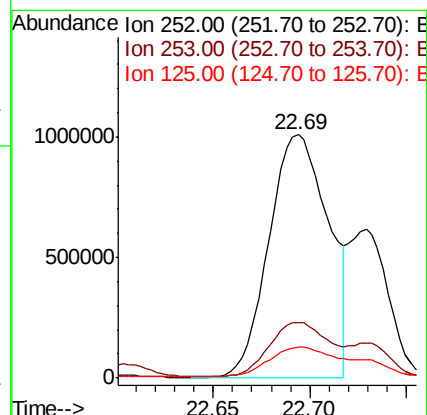
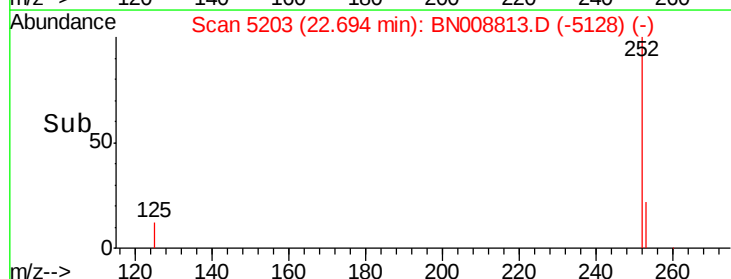
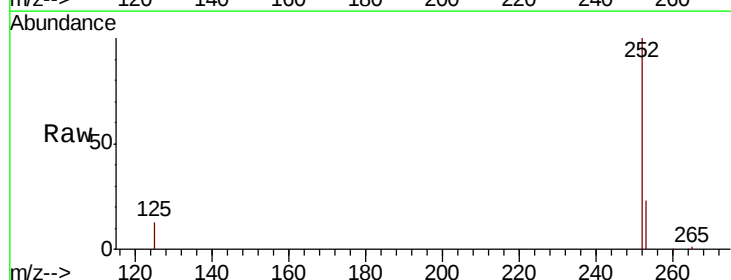
Tgt Ion:252 Resp: 2180084

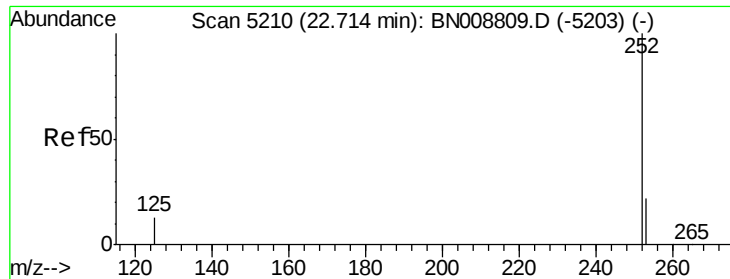
Ion Ratio Lower Upper

252 100

253 22.9 0.0 48.6

125 12.7 0.0 31.6





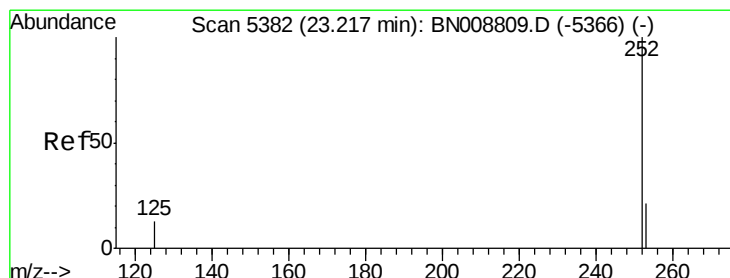
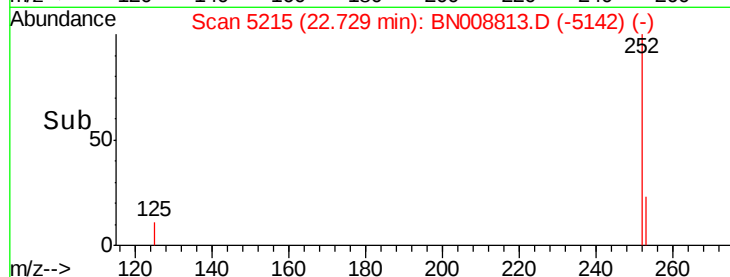
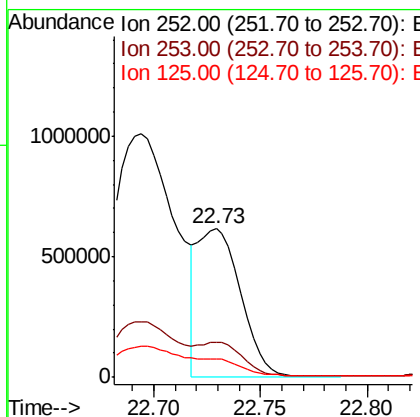
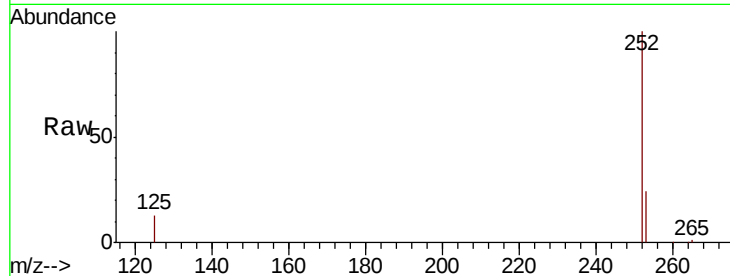
#22
Benzo(k)fluoranthene
Concen: 11.764 ng/ul m
RT: 22.73 min Scan# 5215
Delta R.T. 0.01 min
Lab File: BN008813.D
Acq: 02 Dec 2019 14:19

Instrument :
BNA_N
ClientSampled :
C0AA8

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.6	29.4
125	12.6	13.8	20.6

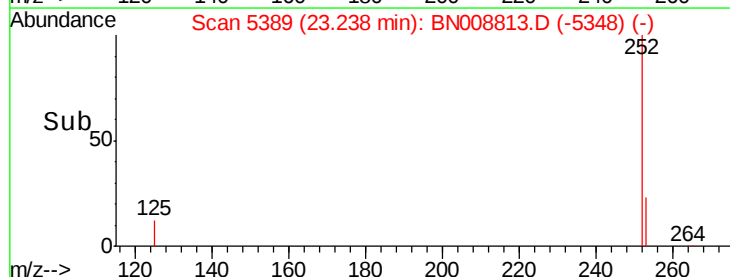
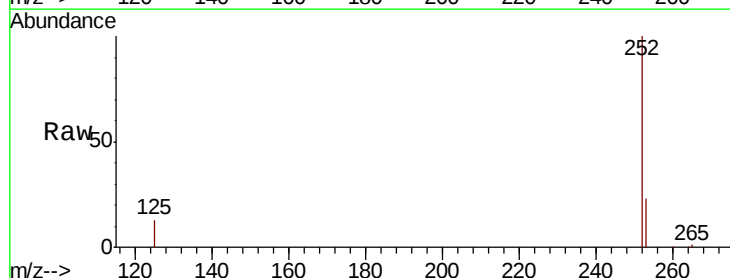
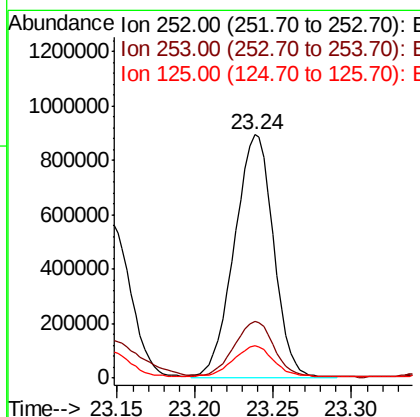
Manual Integrations
APPROVED

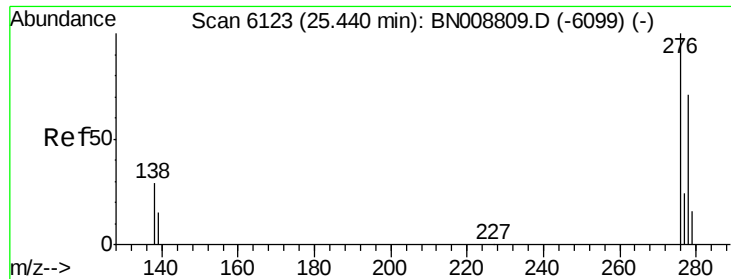
mohammad
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#23
Benzo(a)pyrene
Concen: 22.261 ng/ul m
RT: 23.24 min Scan# 5389
Delta R.T. 0.02 min
Lab File: BN008813.D
Acq: 02 Dec 2019 14:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.9	29.9
125	13.1	14.6	22.0





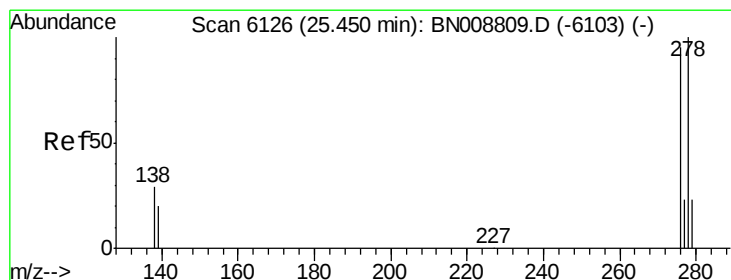
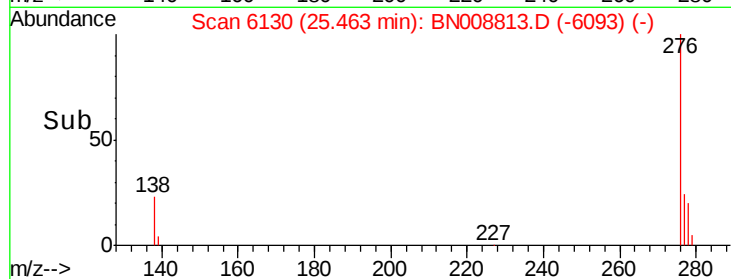
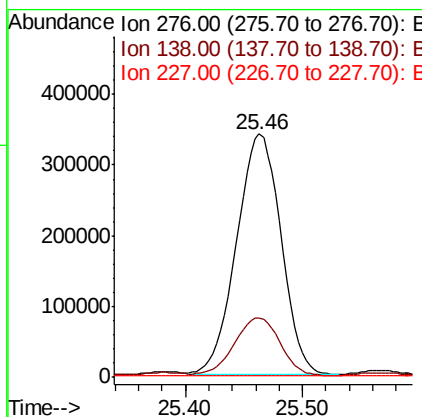
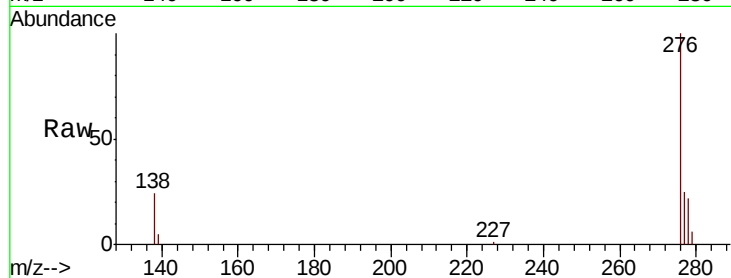
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 10.840 ng/ul
 RT: 25.46 min Scan# 6130
 Delta R.T. 0.02 min
 Lab File: BN008813.D
 Acq: 02 Dec 2019 14:19

Instrument :
 BNA_N
 ClientSampleId :
 C0AA8

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	23.8	35.6
227	0.2	0.2	0.2

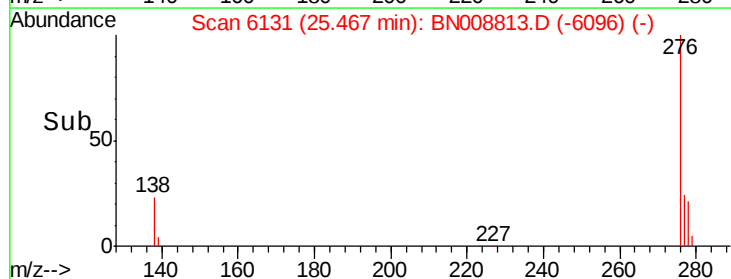
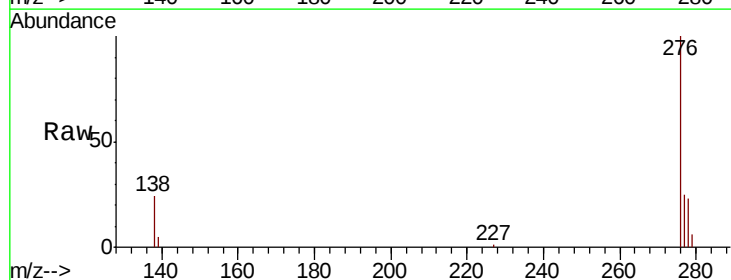
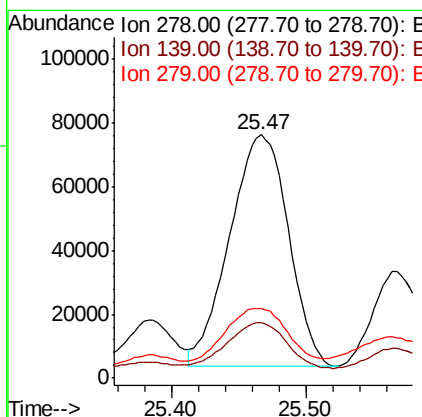
Manual Integrations
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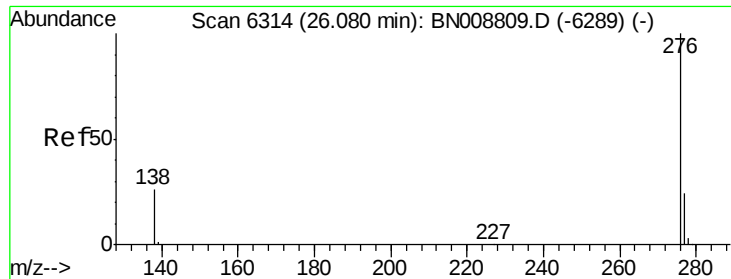
mohammad
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#25
 Dibenzo(a,h)anthracene
 Concen: 3.305 ng/ul
 RT: 25.47 min Scan# 6131
 Delta R.T. 0.02 min
 Lab File: BN008813.D
 Acq: 02 Dec 2019 14:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.8	17.4	26.0
279	28.5	20.5	30.7





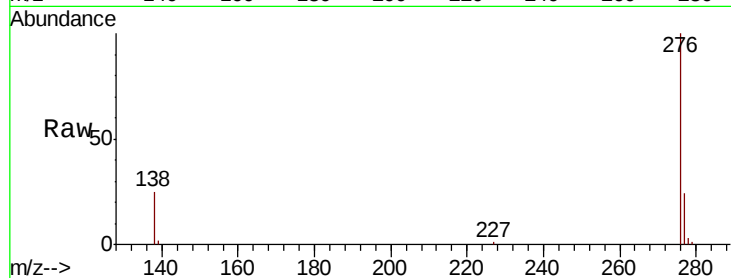
#26
Benzo(a,h,i)perylene
Concen: 12.292 ng/ul
RT: 26.11 min Scan# 6324
Delta R.T. 0.03 min
Lab File: BN008813.D
Acq: 02 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
C0AA8

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	21.9	32.9
277	24.3	19.9	29.9

Manual Integrations
APPROVED

mohammad
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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

