

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
 Data File : BN008671.D
 Acq On : 20 Nov 2019 21:32
 Operator : JU
 Sample : K5851-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA7

Manual Integrations
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mohammad
 11/21/2019 1:06:27 PM

Quant Time: Nov 21 01:10:52 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 : Wed Nov 20 04:45:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4060	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	15244	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8365	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	17425	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	14049	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	13930	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	3751	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	8784	0.17	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.42	128	4043	0.088	ng/ul	96
5) 2-Methylnaphthalene	12.04	142	2408	0.075	ng/ul	99
7) Acenaphthylene	13.95	152	9818	0.212	ng/ul	99
8) Acenaphthene	14.30	153	820	0.024	ng/ul	95
9) Fluorene	15.29	166	2568	0.064	ng/ul#	95
12) Phenanthrene	17.02	178	52617	0.895	ng/ul	99
13) Anthracene	17.11	178	13631	0.245	ng/ul	98
15) Fluoranthene	19.05	202	150797	2.089	ng/ul	96
17) Pyrene	19.41	202	123661	2.194	ng/ul	99
18) Benzo(a)anthracene	21.16	228	69591	1.232	ng/ul	97
19) Chrysene	21.22	228	68235	1.230	ng/ul	97
21) Benzo(b)fluoranthene	22.71	252	89769m	1.563	ng/ul	
22) Benzo(k)fluoranthene	22.75	252	33946m	0.596	ng/ul	
23) Benzo(a)pyrene	23.26	252	63424	1.176	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.49	276	43948	0.697	ng/ul	96
25) Dibenzo(a,h)anthracene	25.49	278	10360	0.203	ng/ul#	72
26) Benzo(a,h,i)perylene	26.14	276	43531	0.825	ng/ul	98

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

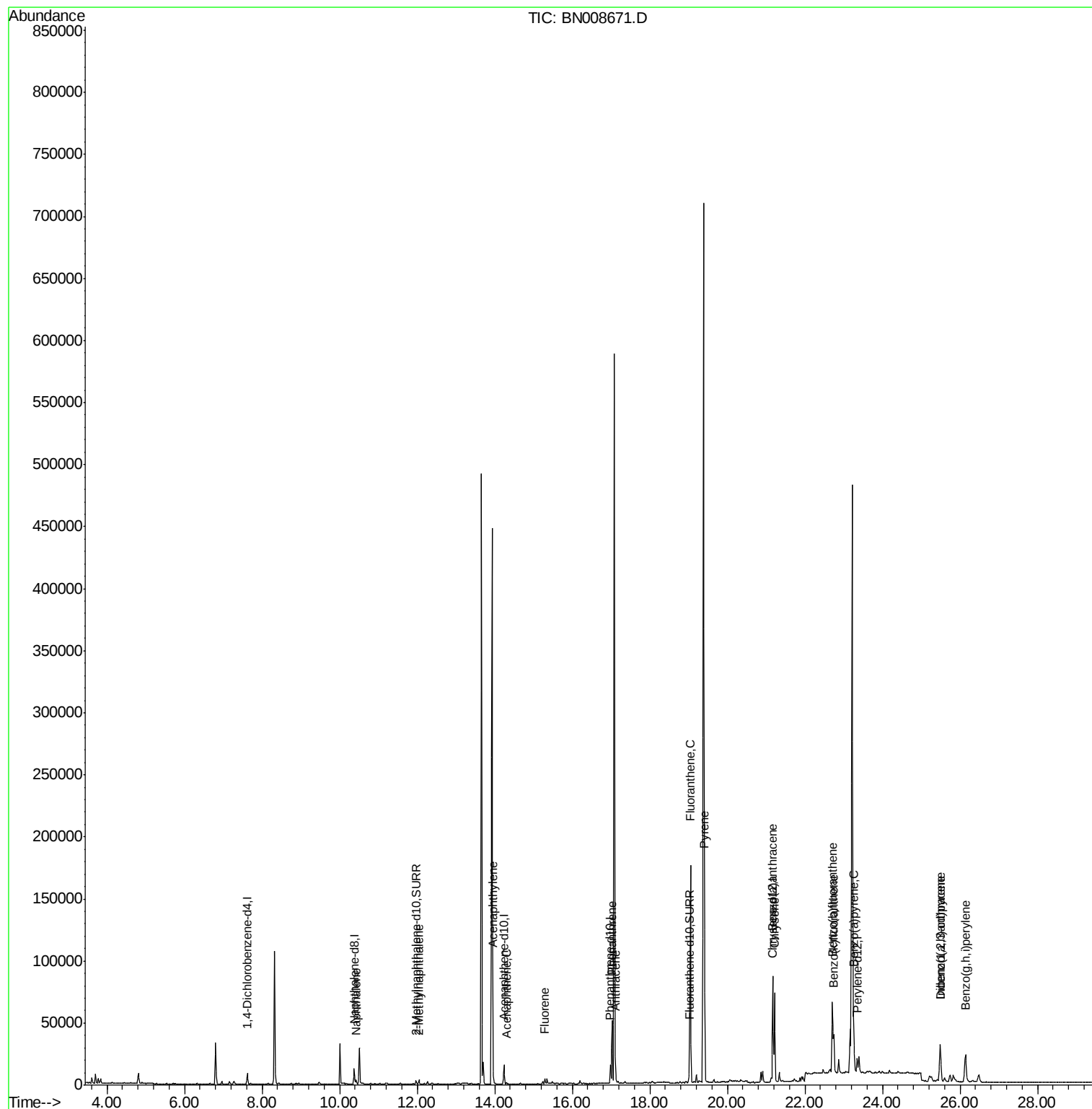
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
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ALS Vial : 19 Sample Multiplier: 1

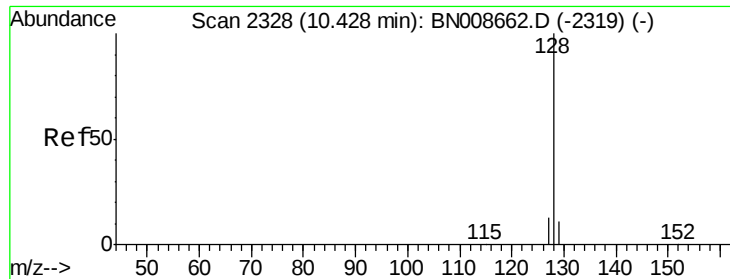
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Quant Time: Nov 21 01:10:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
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QLast Update : Wed Nov 20 04:45:41 2019
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#3

Naphthalene

Concen: 0.088 ng/ul

RT: 10.42 min Scan# 2327

Delta R.T. -0.01 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

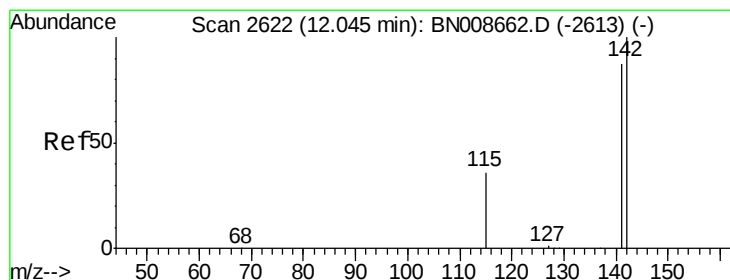
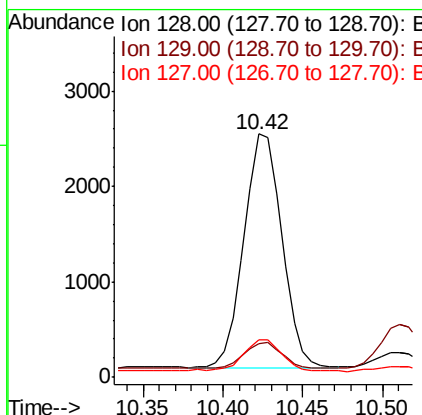
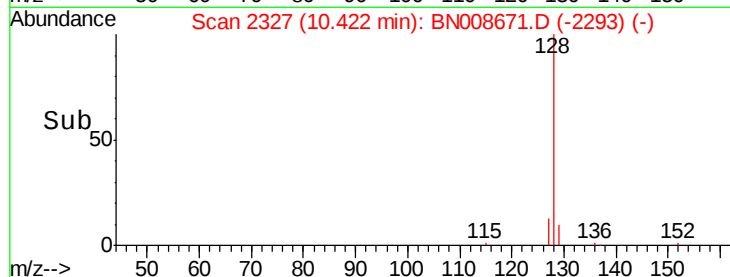
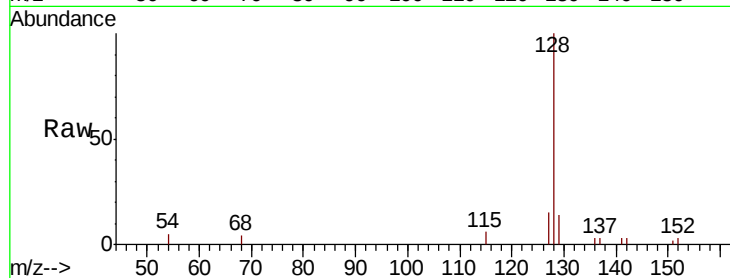
ClientSampleId :

C0AA7

Tot Ion:	128	Resp:	4043
Ion	Ratio	Lower	Upper
128	100		
129	13.8	9.7	14.5
127	15.2	10.8	16.2

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#5

2-Methylnaphthalene

Concen: 0.075 ng/ul

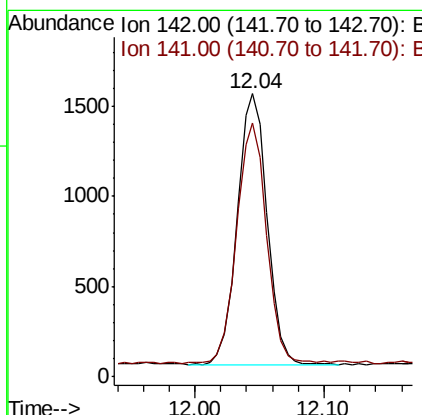
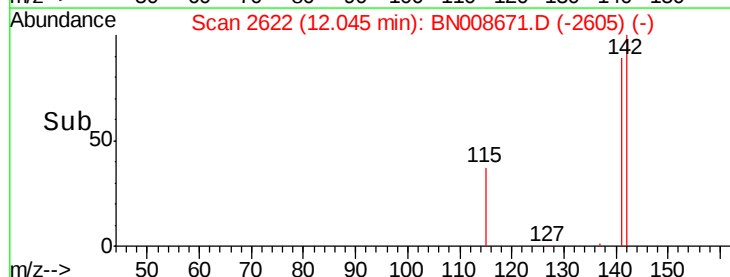
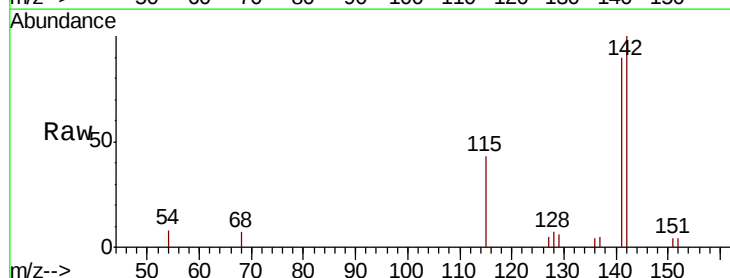
RT: 12.04 min Scan# 2622

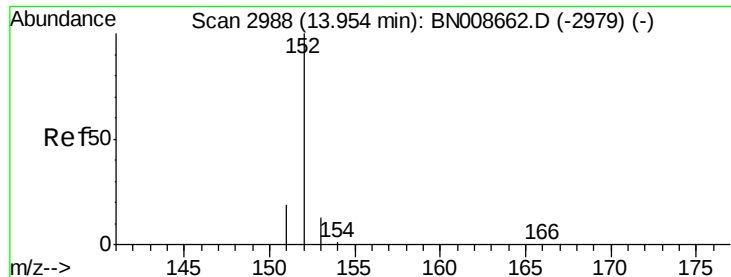
Delta R.T. -0.01 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Tgt Ion:	142	Resp:	2408
Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.5	105.7





#7

Acenaphthylene

Concen: 0.212 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

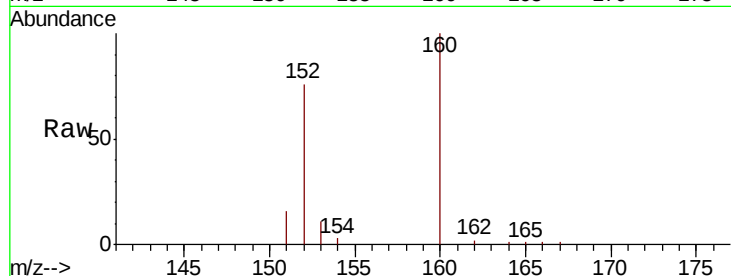
ClientSampleId :

C0AA7

Tot Ion:	152	Resp:	9818
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.6	24.8
153	14.2	11.1	16.7

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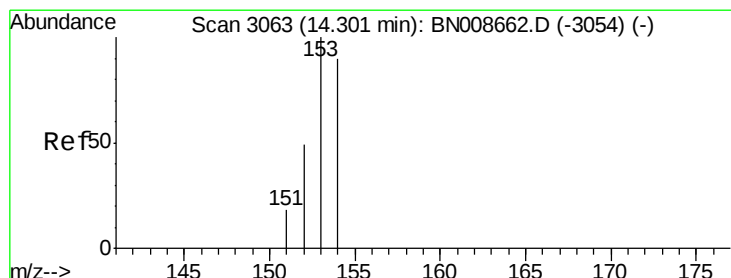
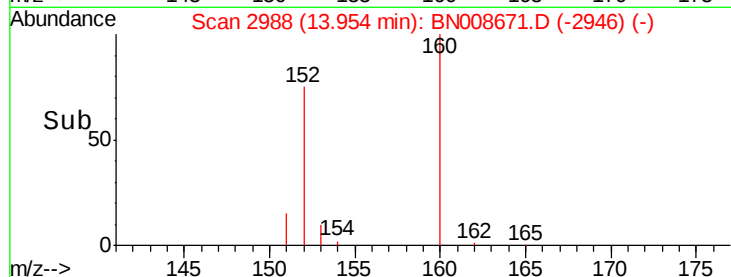
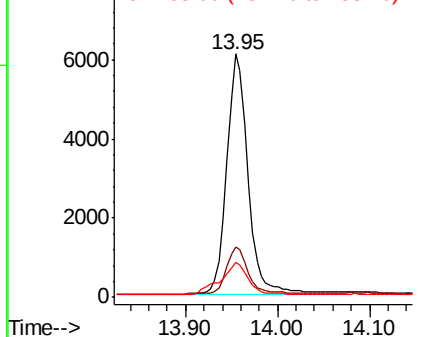


Abundance

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



#8

Acenaphthene

Concen: 0.024 ng/ul

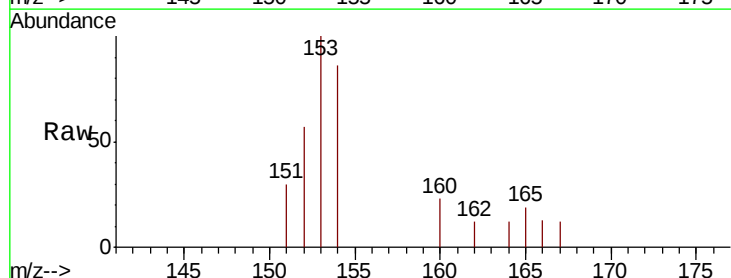
RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Tgt Ion:	153	Resp:	820
Ion Ratio	Lower	Upper	
153	100		
152	57.0	39.6	59.4
154	86.1	70.6	106.0

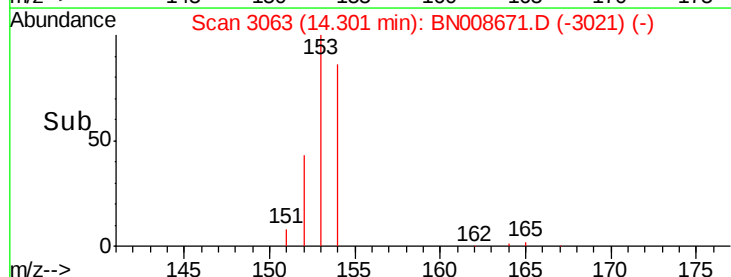
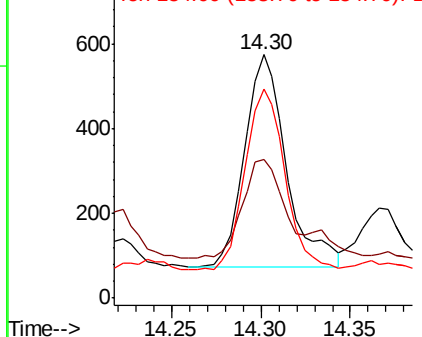


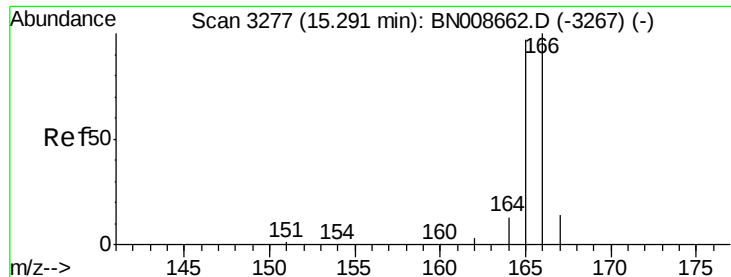
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





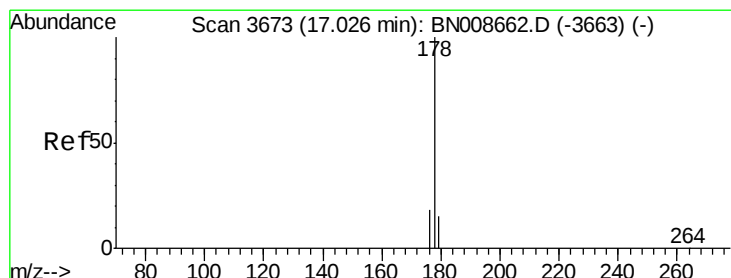
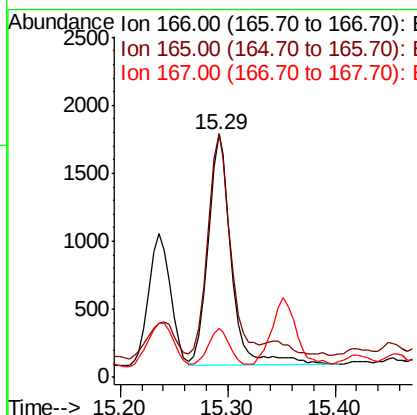
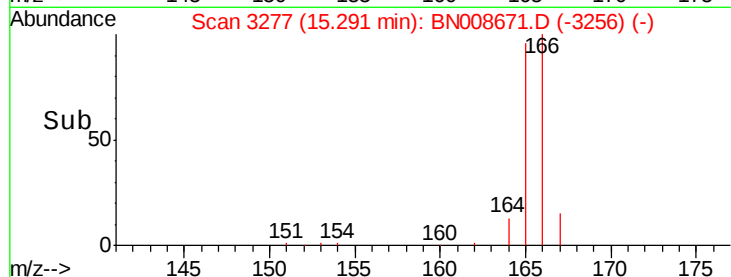
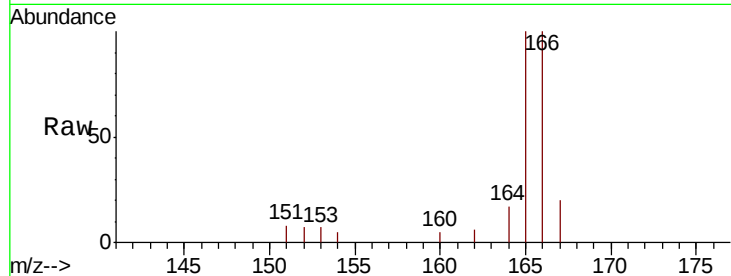
#9
Fluorene
 Concen: 0.064 ng/ul
 RT: 15.29 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: BN008671.D
 Acq: 20 Nov 2019 21:32

Instrument :
 BNA_N
 ClientSampleId :
 C0AA7

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.4	116.0
167	20.0	11.4	17.0#

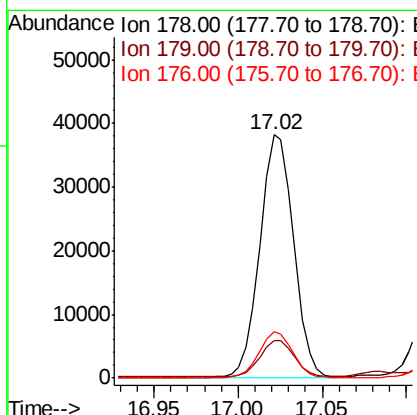
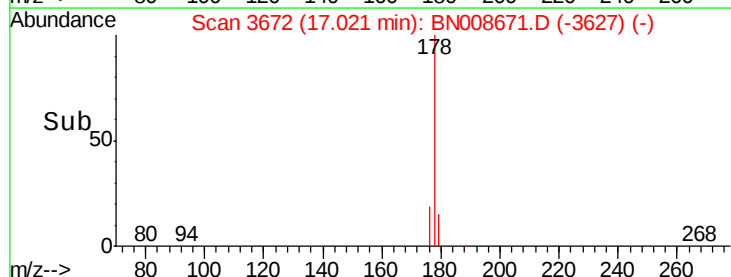
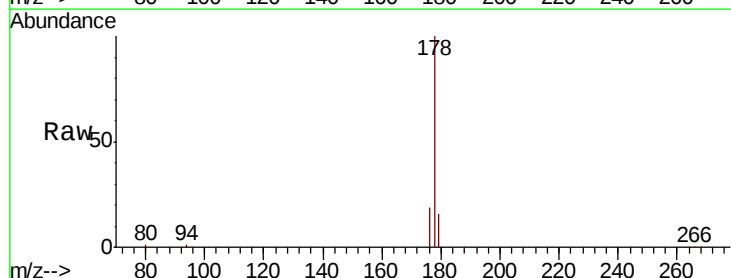
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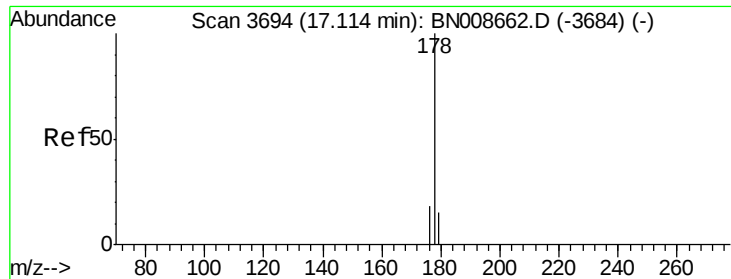
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#12
Phenanthrene
 Concen: 0.895 ng/ul
 RT: 17.02 min Scan# 3672
 Delta R.T. -0.01 min
 Lab File: BN008671.D
 Acq: 20 Nov 2019 21:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2
176	19.1	16.0	24.0





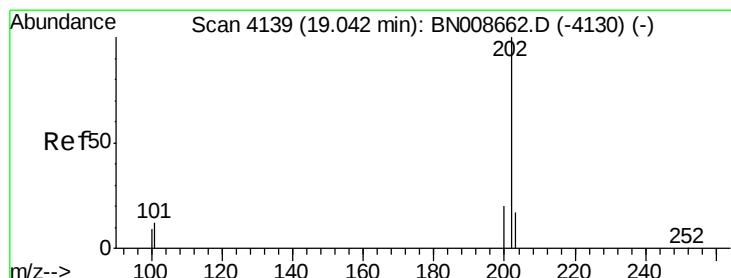
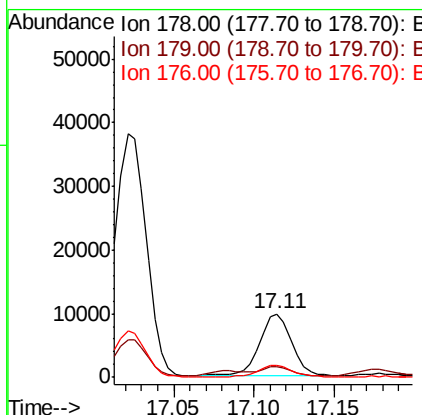
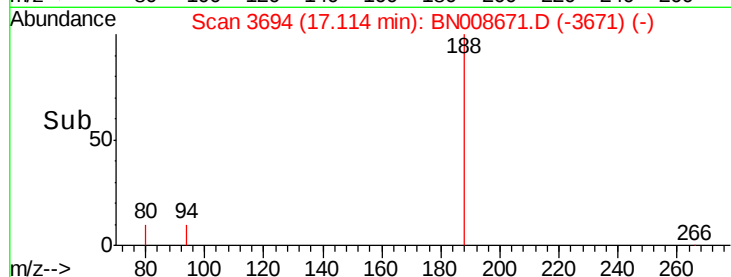
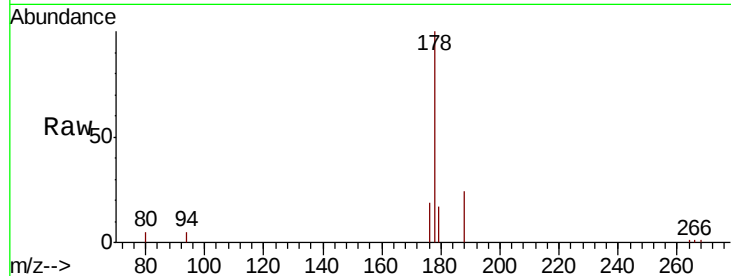
#13
 Anthracene
 Concen: 0.245 ng/ul
 RT: 17.11 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: BN008671.D
 Acq: 20 Nov 2019 21:32

Instrument :
 BNA_N
 ClientSampled :
 C0AA7

Tot Ion:178	Resp:	13631
Ion Ratio	Lower	Upper
178	100	
179	17.3	13.0 19.4
176	19.4	15.3 22.9

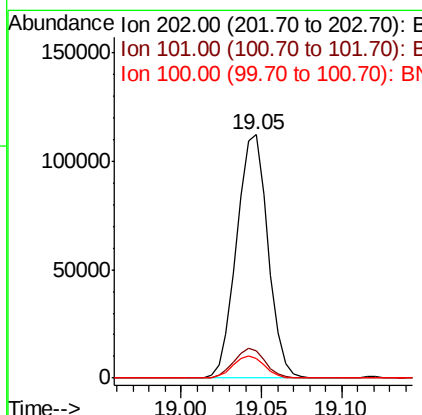
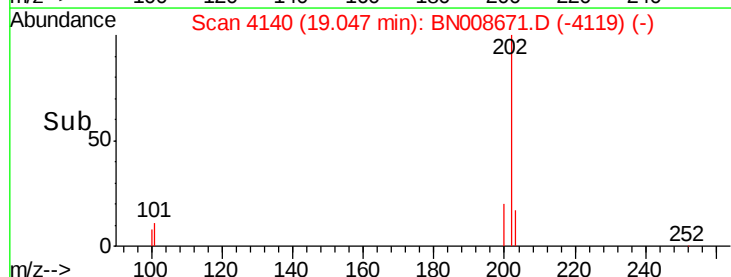
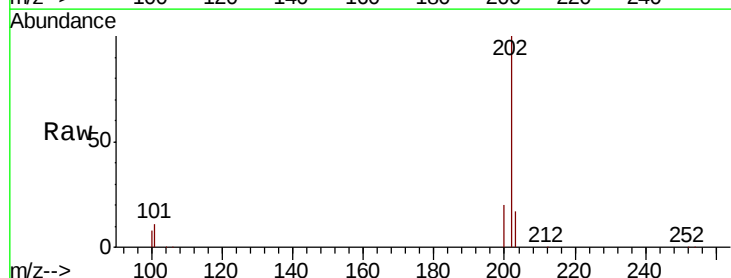
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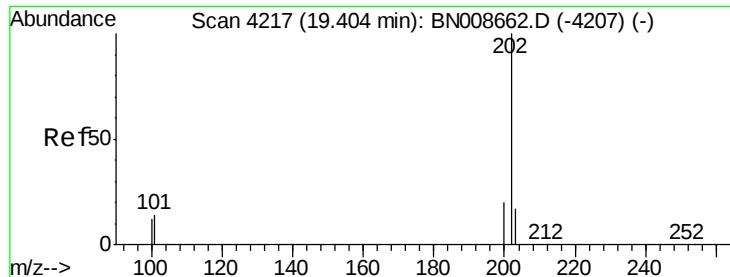
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#15
 Fluoranthene
 Concen: 2.089 ng/ul
 RT: 19.05 min Scan# 4140
 Delta R.T. -0.00 min
 Lab File: BN008671.D
 Acq: 20 Nov 2019 21:32

Tgt Ion:202	Resp:	150797
Ion Ratio	Lower	Upper
202	100	
101	11.1	0.0 29.6
100	8.2	0.0 27.0





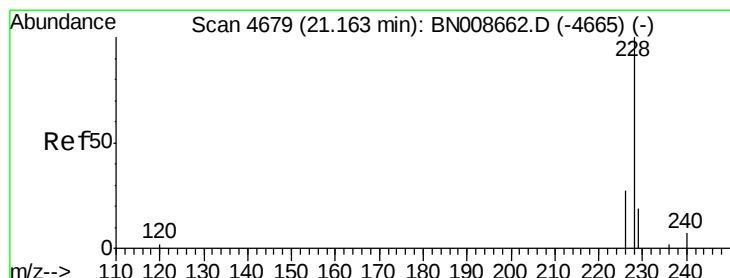
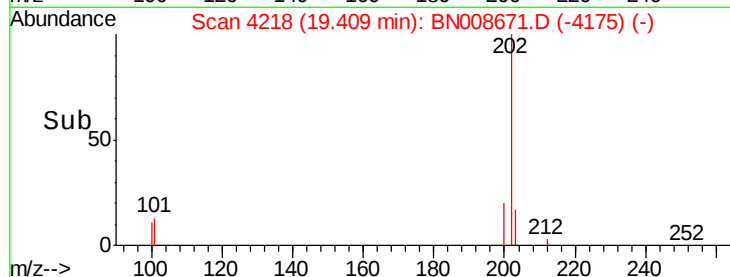
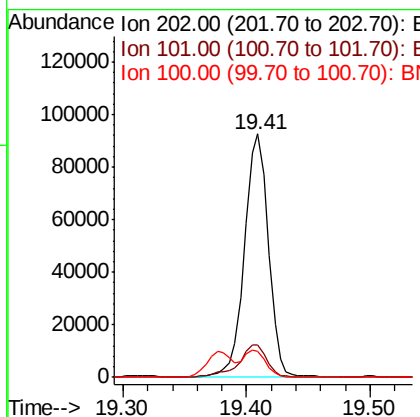
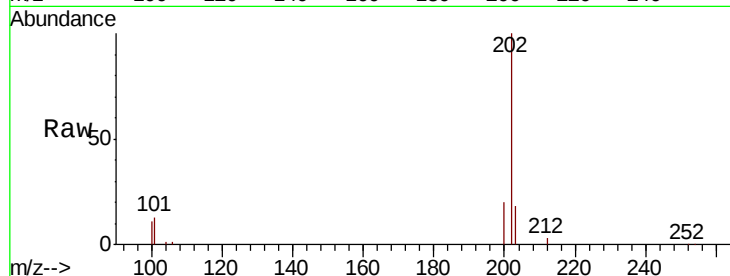
#17
Pvrene
Concen: 2.194 ng/ul
RT: 19.41 min Scan# 4218
Delta R.T. 0.00 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Instrument :
BNA_N
ClientSampleId :
C0AA7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.2	10.2	15.2
100	10.6	8.2	12.2

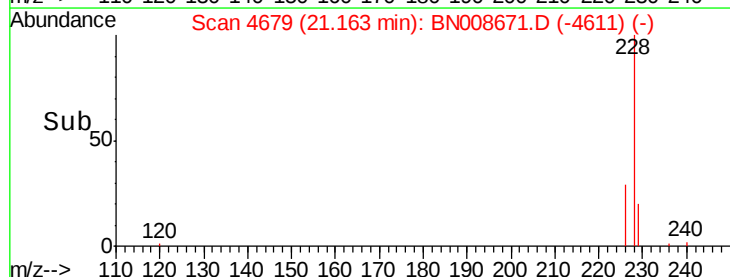
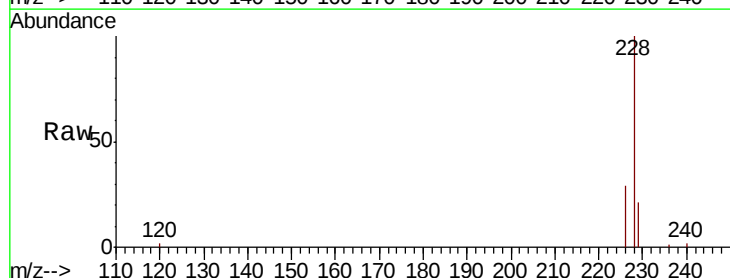
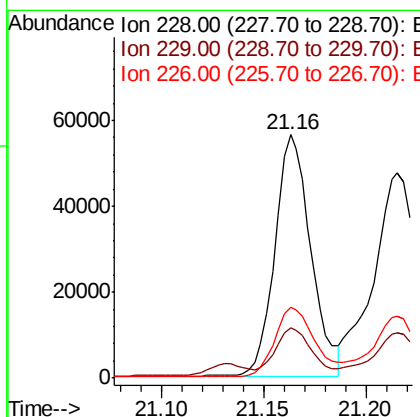
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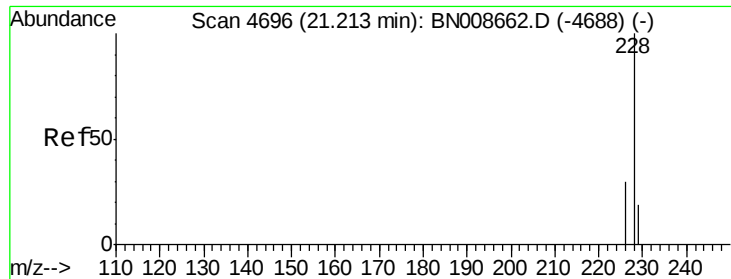
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#18
Benzo(a)anthracene
Concen: 1.232 ng/ul
RT: 21.16 min Scan# 4679
Delta R.T. -0.00 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.6	15.8	23.6
226	29.0	21.6	32.4





#19

Chrysene

Concen: 1.230 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. 0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

Instrument :

BNA_N

ClientSampleId :

C0AA7

Tot Ion:228 Resp: 68235

Ion Ratio Lower Upper

228 100

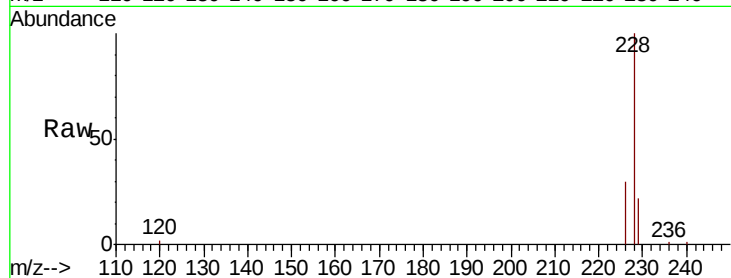
226 30.3 24.5 36.7

229 22.1 15.5 23.3

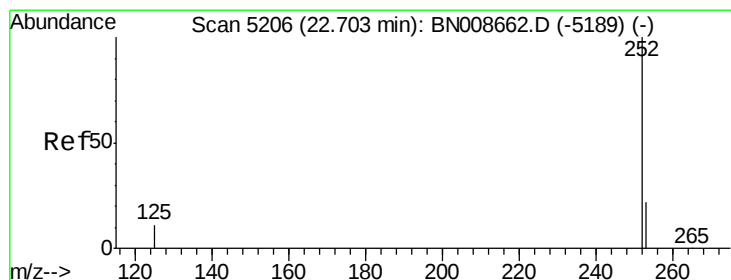
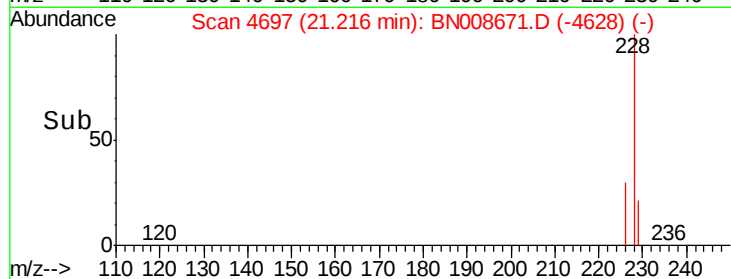
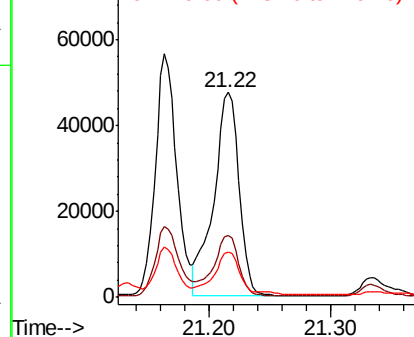
Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 1.563 ng/ul m

RT: 22.71 min Scan# 5207

Delta R.T. 0.00 min

Lab File: BN008671.D

Acq: 20 Nov 2019 21:32

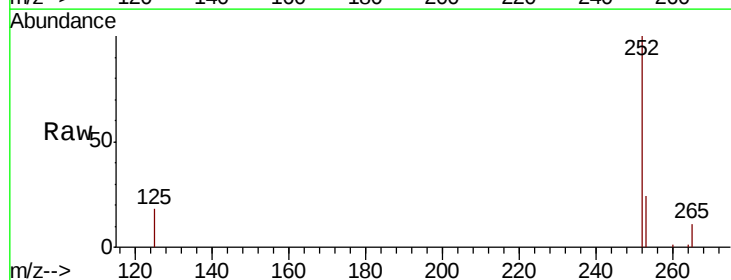
Tgt Ion:252 Resp: 89769

Ion Ratio Lower Upper

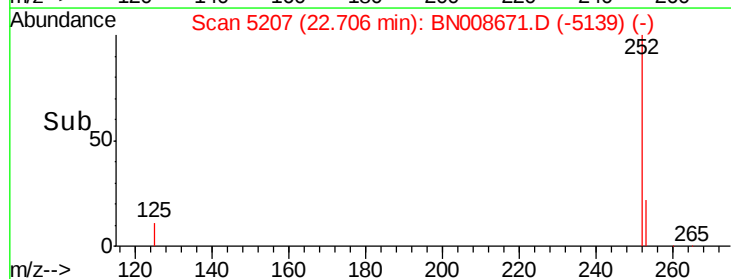
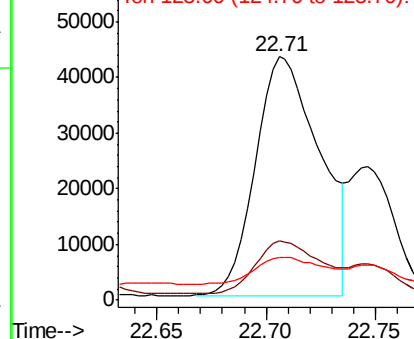
252 100

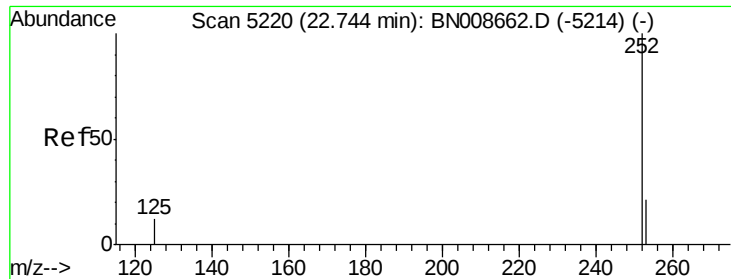
253 24.2 0.0 50.2

125 17.6 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





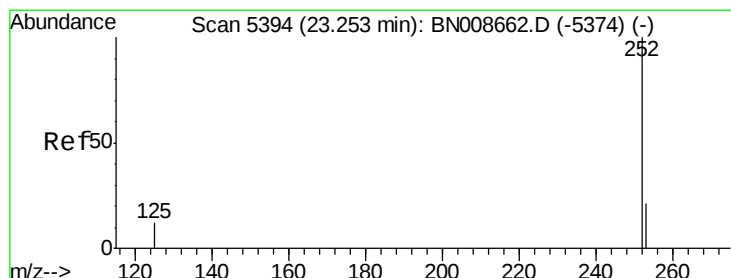
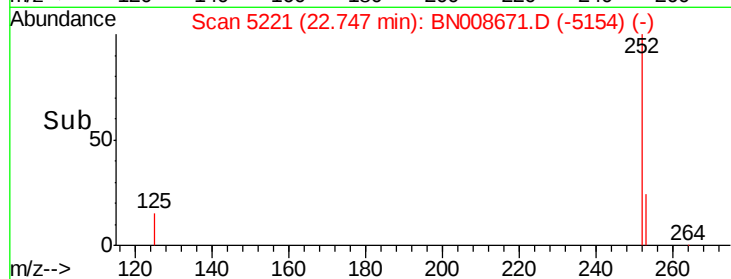
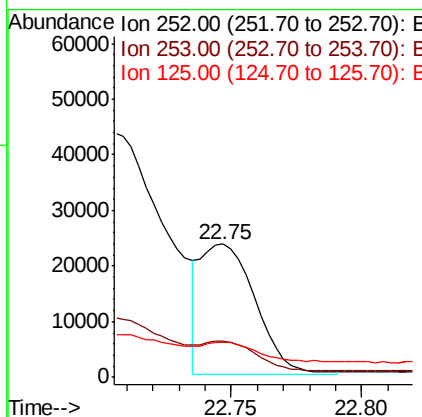
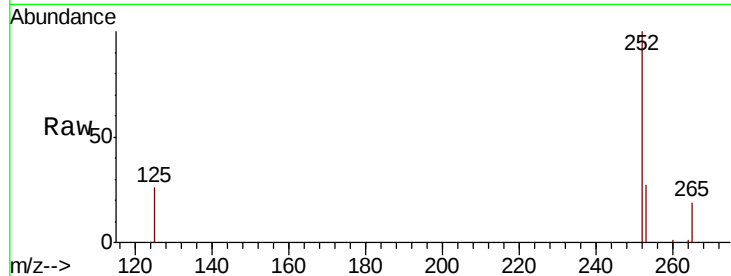
#22
Benzo(k)fluoranthene
Concen: 0.596 ng/ul m
RT: 22.75 min Scan# 5221
Delta R.T. -0.00 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Instrument :
BNA_N
ClientSampleId :
C0AA7

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	20.5	30.7
125	26.4	15.0	22.4

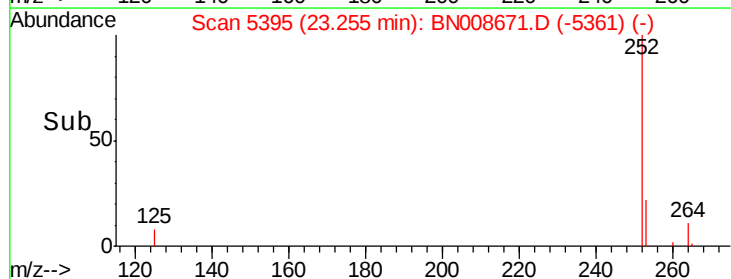
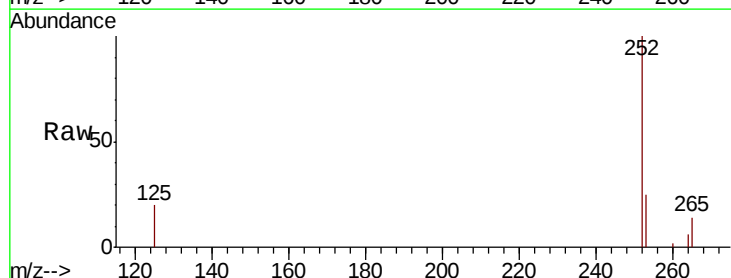
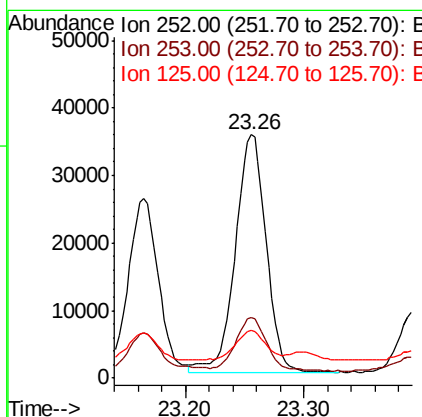
Manual Integrations
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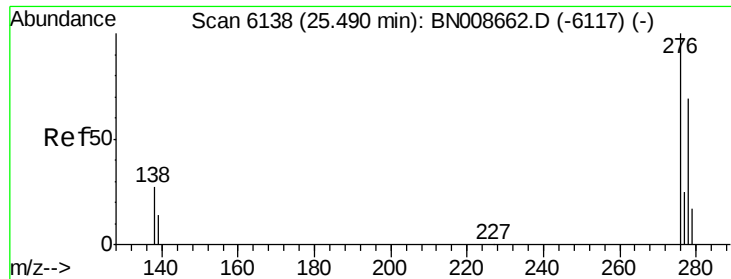
mohammad
11/21/2019 1:06:27 PM



#23
Benzo(a)pyrene
Concen: 1.176 ng/ul
RT: 23.26 min Scan# 5395
Delta R.T. 0.00 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	21.4	32.2
125	19.5	13.8	20.8





#24

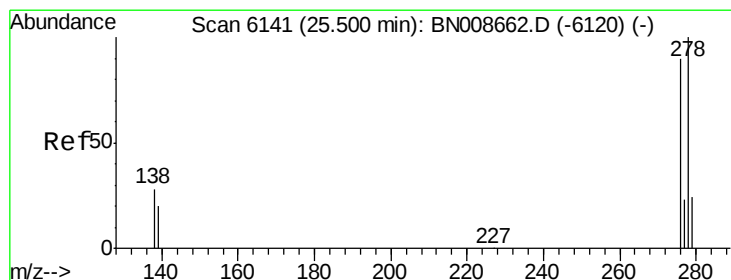
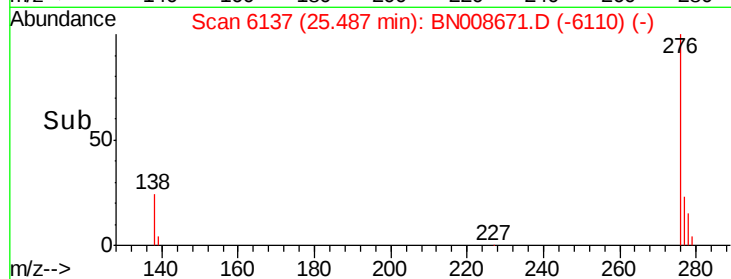
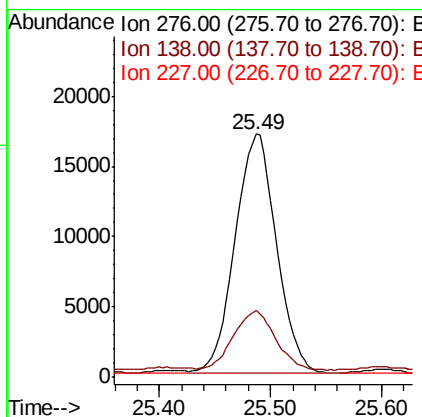
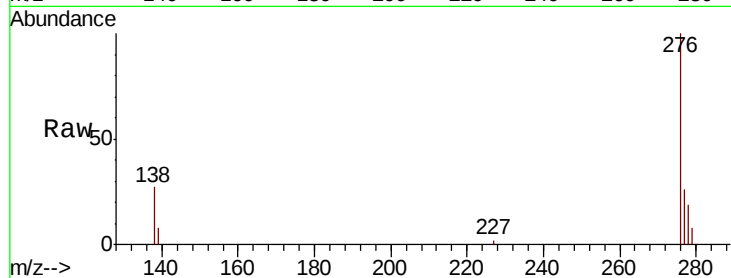
Indeno(1,2,3-cd)pyrene
Concen: 0.697 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.01 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Instrument :
BNA_N
ClientSampleId :
C0AA7

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	21.7	32.5
227	0.2	0.2	0.2

Manual Integrations
APPROVED

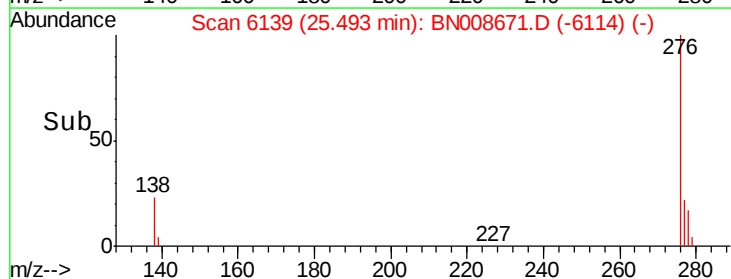
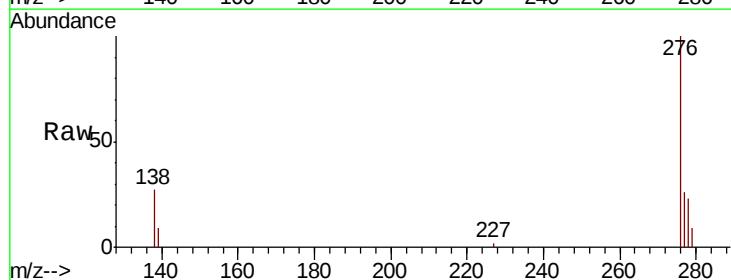
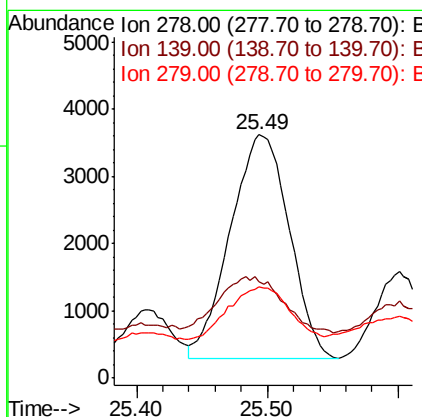
mohammad
11/21/2019 1:06:27 PM

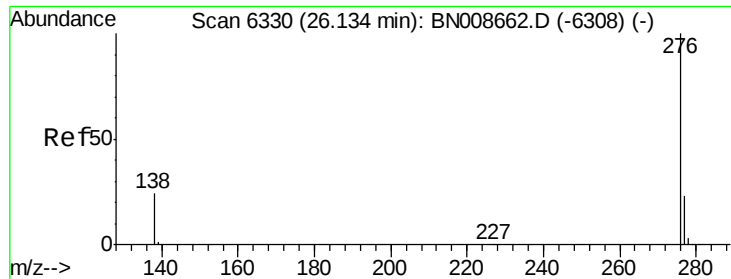


#25

Dibenzo(a,h)anthracene
Concen: 0.203 ng/ul
RT: 25.49 min Scan# 6139
Delta R.T. -0.02 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.8	18.7	28.1#
279	37.5	20.8	31.2#





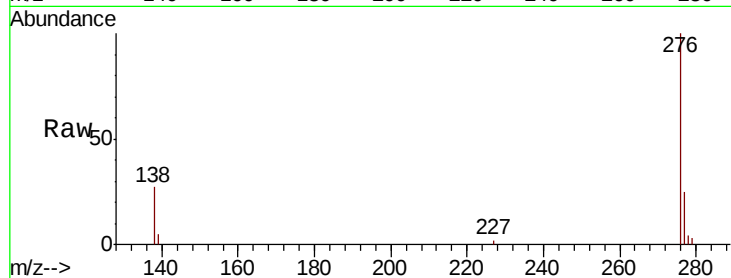
#26
Benzo(a,h,i)perylene
Concen: 0.825 ng/ul
RT: 26.14 min Scan# 6332
Delta R.T. 0.00 min
Lab File: BN008671.D
Acq: 20 Nov 2019 21:32

Instrument :
BNA_N
ClientSampleId :
C0AA7

Tot Ion:	276	Resp:	43531
Ion Ratio	Lower	Upper	
276	100		
138	26.7	20.0	30.0
277	25.2	20.0	30.0

Manual Integrations
APPROVED

mohammad
11/21/2019 1:06:27 PM



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

