

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122120\
 Data File : BN013235.D
 Acq On : 21 Dec 2020 11:23
 Operator : CG/JU
 Sample : L5151-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AE7

Manual Integrations
 APPROVED

mohammad
 12/22/2020 2:39:29 PM

Quant Time: Dec 21 11:57:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 21 10:25:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	704	0.40	ng/ul	0.00
2) Naphthalene-d8	10.09	136	2560	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.00	164	1562	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	3041	0.40	ng/ul	0.00
16) Chrysene-d12	20.99	240	3052	0.40	ng/ul	0.00
20) Perylene-d12	23.08	264	2504	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.69	152	785	0.21	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	1636	0.20	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.14	128	18671	2.521	ng/ul#	91
5) 2-Methylnaphthalene	11.77	142	18444	3.790	ng/ul	98
7) Acenaphthylene	13.71	152	5111	0.691	ng/ul#	94
8) Acenaphthene	14.06	153	1395	0.230	ng/ul	95
9) Fluorene	15.06	166	2034	0.292	ng/ul#	93
12) Phenanthrene	16.80	178	69765	6.842	ng/ul	97
13) Anthracene	16.89	178	13008	1.499	ng/ul	96
15) Fluoranthene	18.84	202	201266	16.611	ng/ul	98
17) Pyrene	19.20	202	161971	11.236	ng/ul	98
18) Benzo(a)anthracene	20.98	228	104193	8.252	ng/ul	99
19) Chrysene	21.03	228	115371	8.269	ng/ul	98
21) Benzo(b)fluoranthene	22.47	252	192333m	16.603	ng/ul	
22) Benzo(k)fluoranthene	22.51	252	72217m	5.640	ng/ul	
23) Benzo(a)pyrene	22.99	252	132934m	12.367	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.12	276	106581	7.549	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.12	278	25869	2.316	ng/ul#	95
26) Benzo(a,h,i)perylene	25.74	276	91324	7.151	ng/ul	98

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

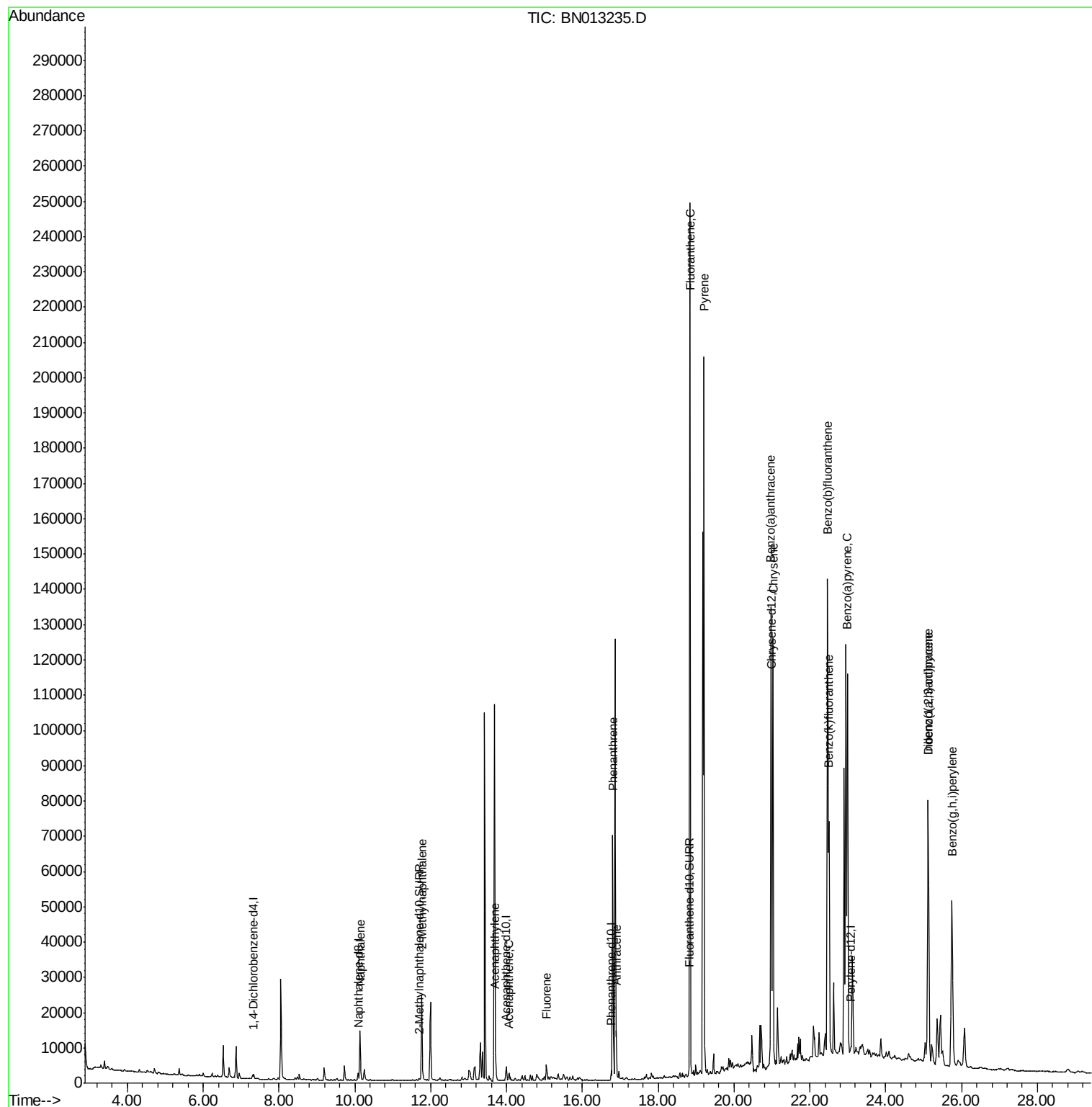
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122120\
Data File : BN013235.D
Acq On : 21 Dec 2020 11:23
Operator : CG/JU
Sample : L5151-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

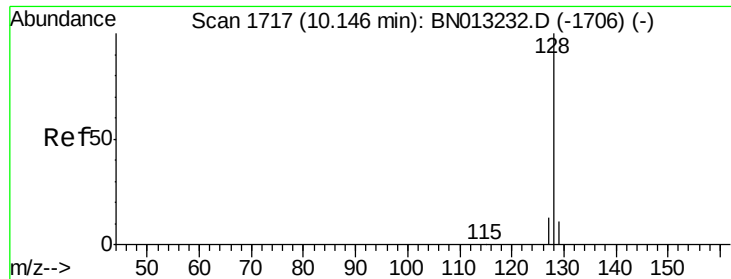
Instrument :
BNA_N
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C0AE7

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Quant Time: Dec 21 11:57:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 21 10:25:14 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.521 ng/ul

RT: 10.14 min Scan# 1715

Delta R.T. -0.01 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Instrument :

BNA_N

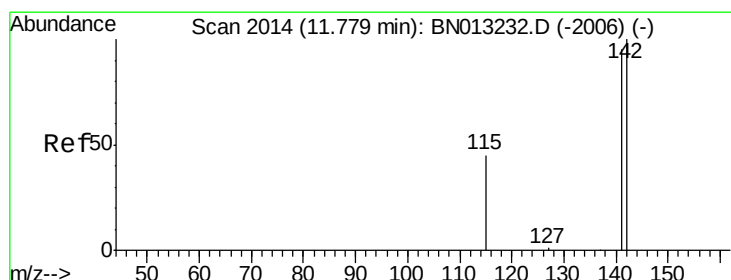
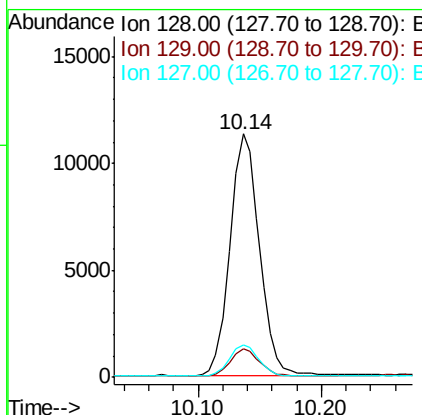
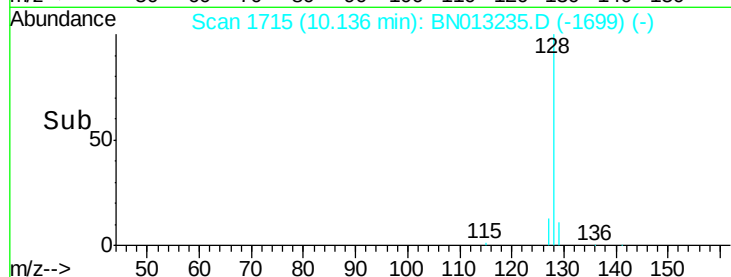
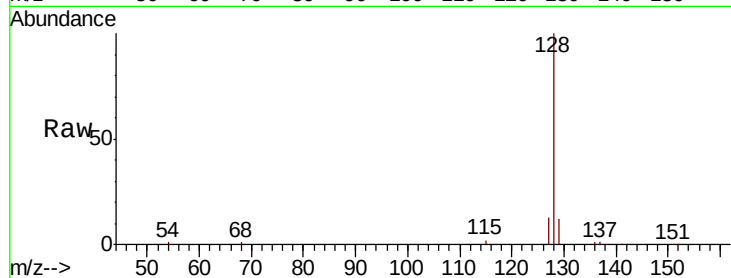
ClientSampleId :

C0AE7

Tot Ion:	128	Resp:	18671
Ion Ratio	Lower	Upper	
128	100		
129	11.7	12.3	18.5#
127	13.4	14.2	21.4#

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#5

2-Methylnaphthalene

Concen: 3.790 ng/ul

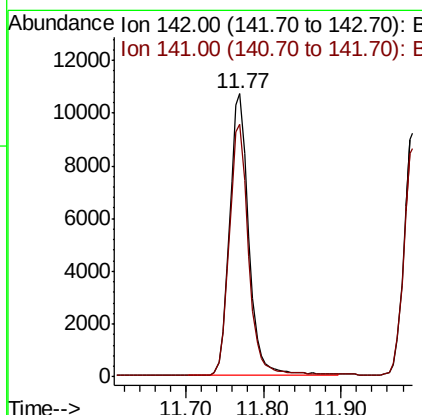
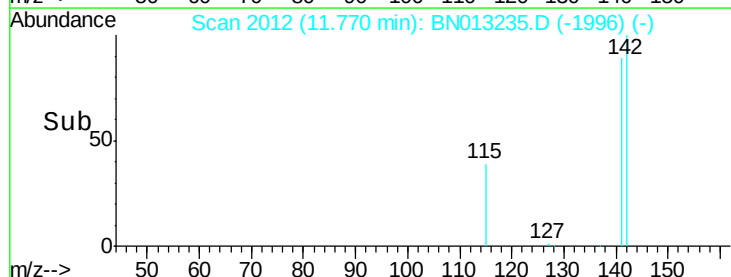
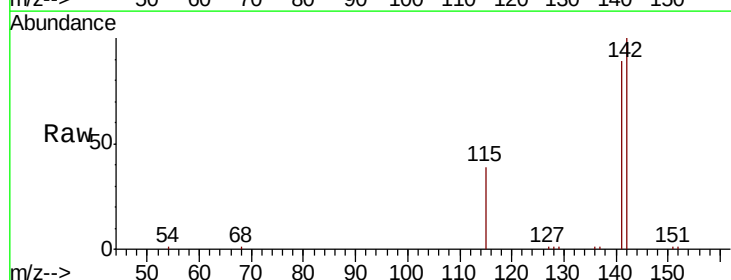
RT: 11.77 min Scan# 2012

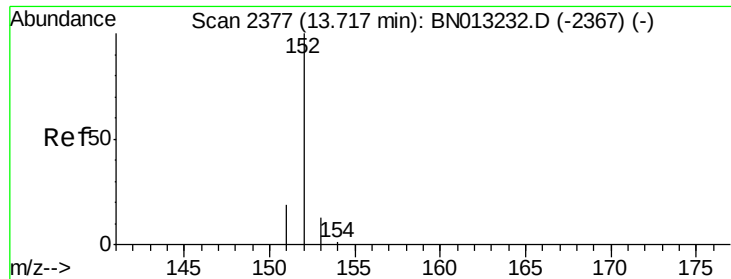
Delta R.T. -0.01 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Tgt Ion:	142	Resp:	18444
Ion Ratio	Lower	Upper	
142	100		
141	89.7	73.0	109.6





#7

Acenaphthylene

Concen: 0.691 ng/ul

RT: 13.71 min Scan# 2376

Delta R.T. -0.00 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Instrument :

BNA_N

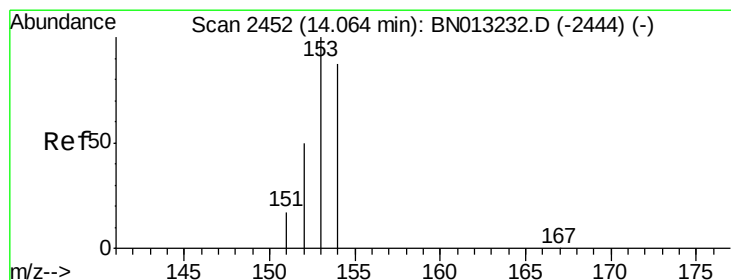
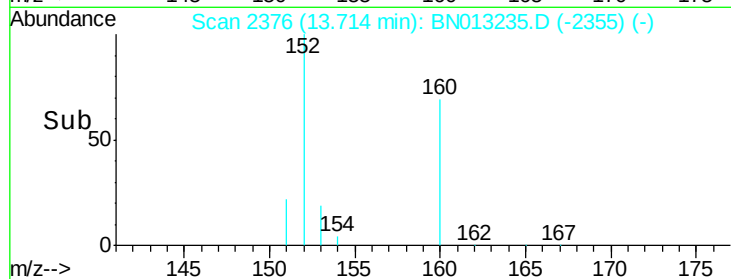
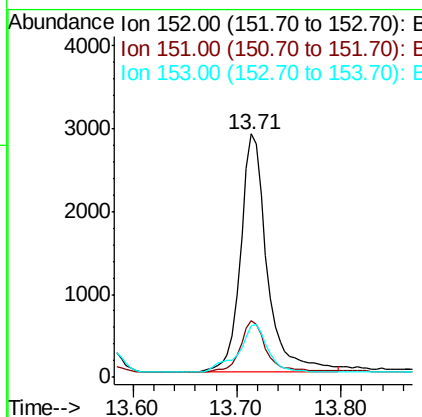
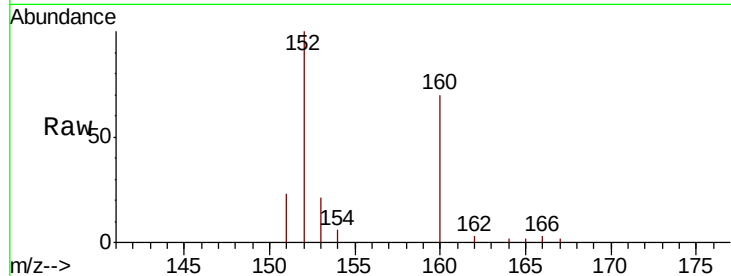
ClientSampleId :

C0AE7

Tot Ion:	152	Resp:	5111
Ion Ratio	Lower	Upper	
152	100		
151	23.4	18.2	27.4
153	21.3	13.1	19.7#

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#8

Acenaphthene

Concen: 0.230 ng/ul

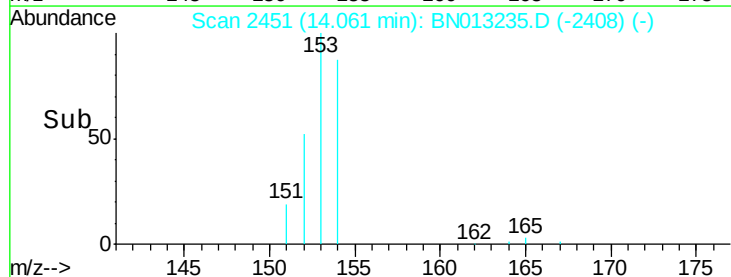
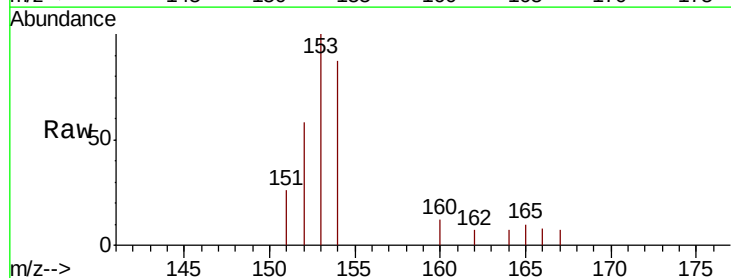
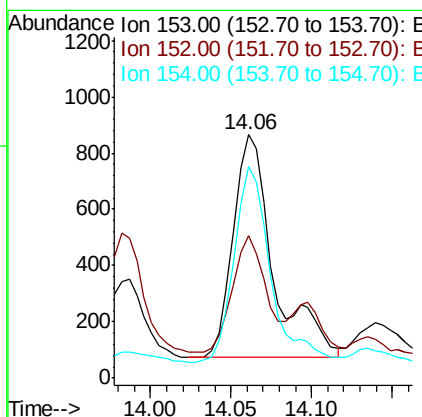
RT: 14.06 min Scan# 2451

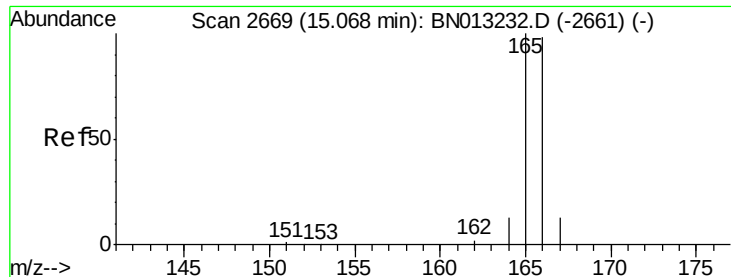
Delta R.T. -0.00 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Tgt Ion:	153	Resp:	1395
Ion Ratio	Lower	Upper	
153	100		
152	58.4	40.7	61.1
154	87.0	70.8	106.2





#9

Fluorene

Concen: 0.292 ng/ul

RT: 15.06 min Scan# 2668

Delta R.T. -0.00 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Instrument :

BNA_N

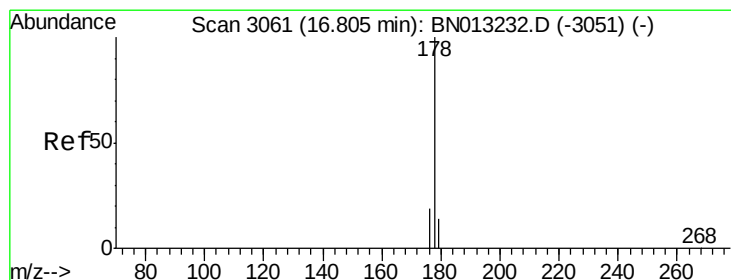
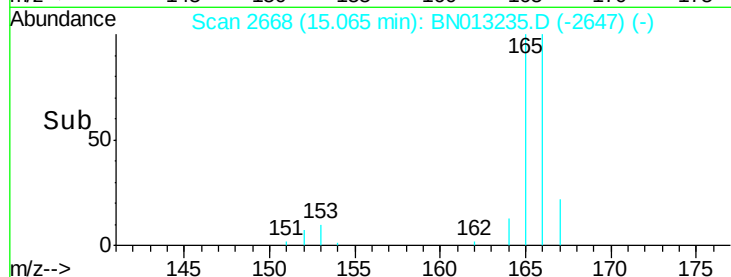
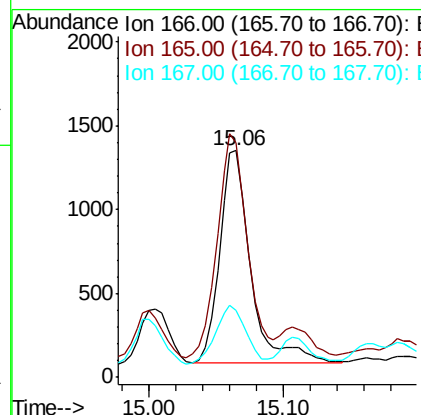
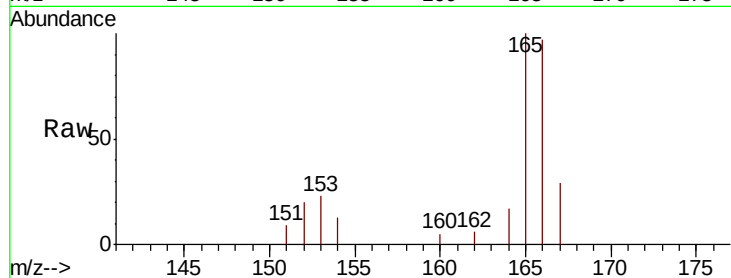
ClientSampleId :

C0AE7

Tot Ion:	166	Resp:	2034
Ion Ratio	Lower	Upper	
166	100		
165	103.3	79.8	119.8
167	29.5	13.8	20.8

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#12

Phenanthrene

Concen: 6.842 ng/ul

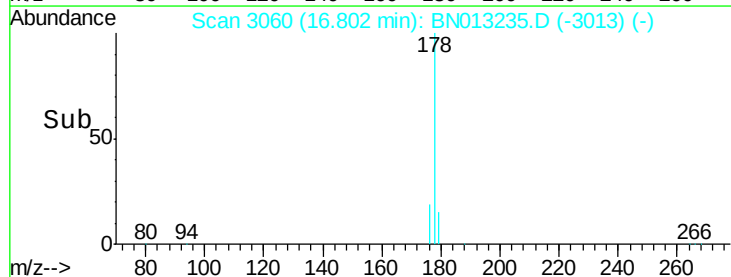
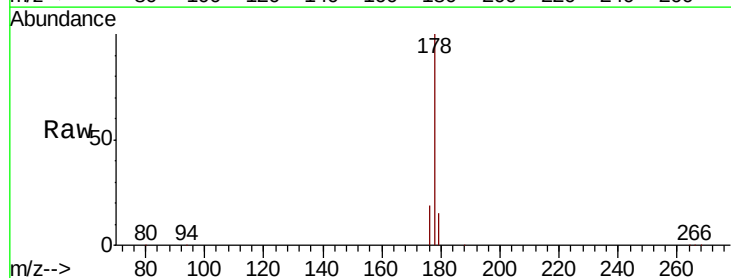
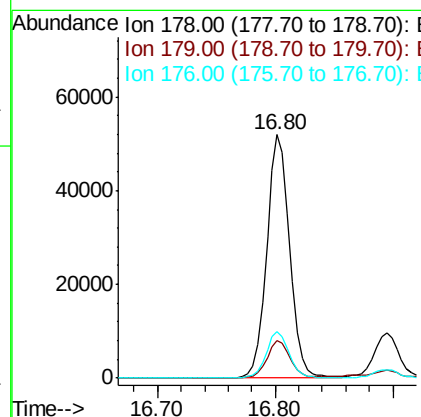
RT: 16.80 min Scan# 3060

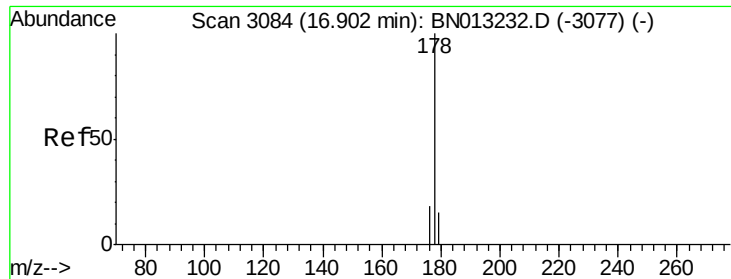
Delta R.T. -0.00 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Tgt Ion:	178	Resp:	69765
Ion Ratio	Lower	Upper	
178	100		
179	15.3	13.6	20.4
176	19.0	16.4	24.6





#13

Anthracene

Concen: 1.499 ng/ul

RT: 16.89 min Scan# 3082

Delta R.T. -0.01 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Instrument :

BNA_N

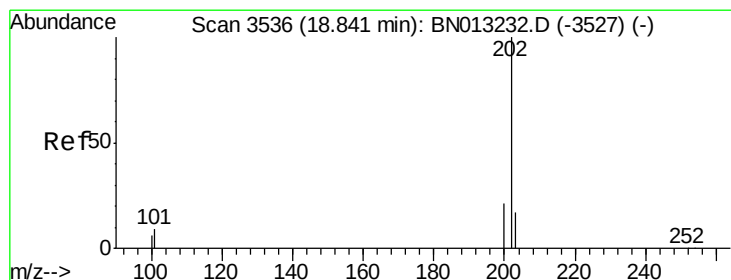
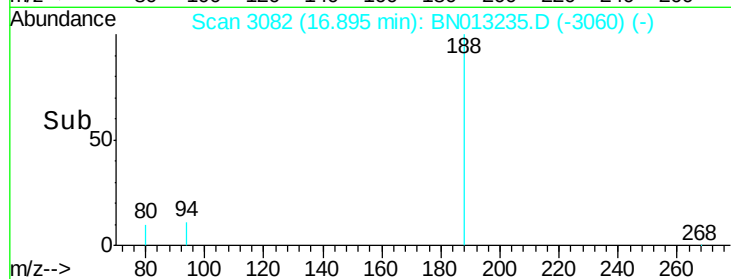
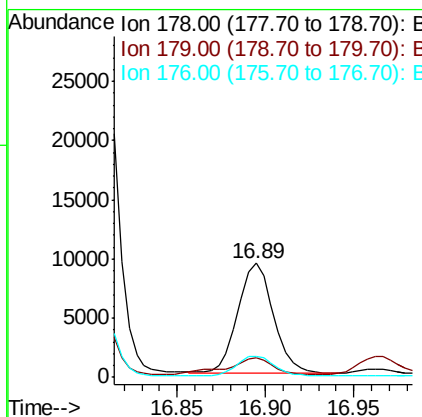
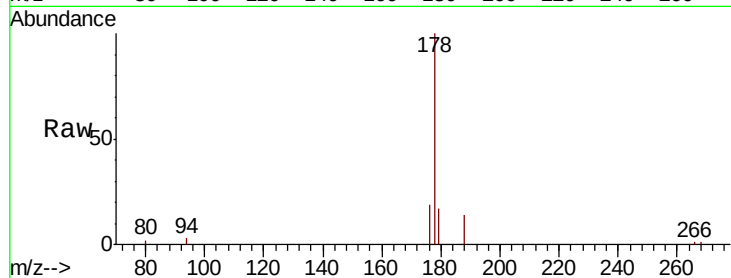
ClientSampleId :

C0AE7

Tot Ion:	178	Resp:	13008
Ion Ratio	Lower	Upper	
178	100		
179	16.9	14.6	21.8
176	18.8	17.1	25.7

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#15

Fluoranthene

Concen: 16.611 ng/ul

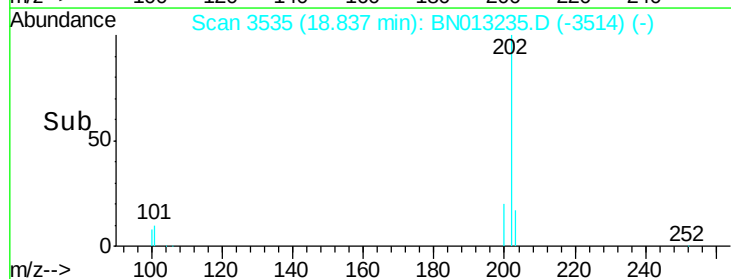
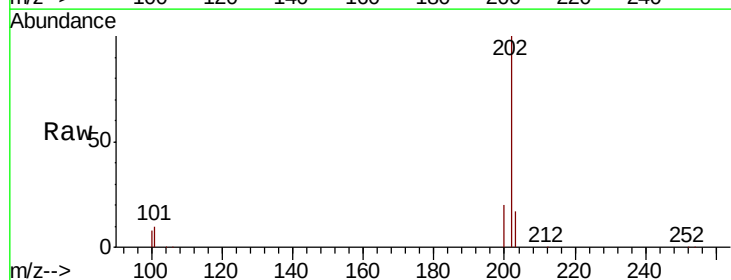
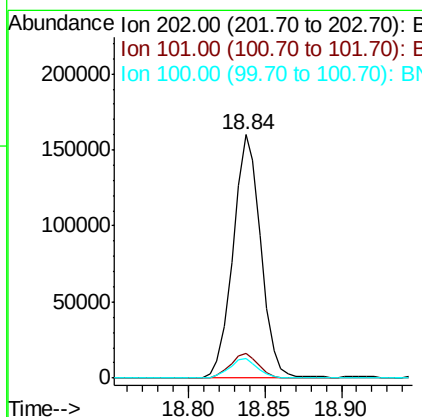
RT: 18.84 min Scan# 3535

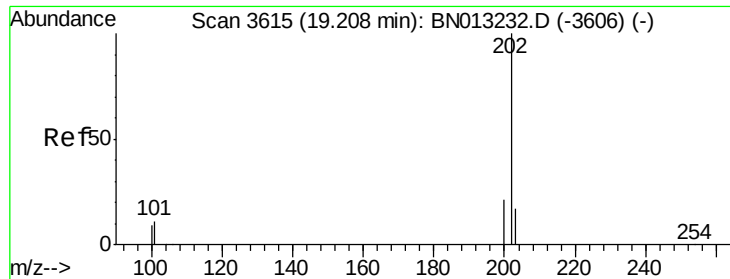
Delta R.T. -0.00 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Tgt Ion:	202	Resp:	201266
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	30.6
100	7.8	0.0	28.7





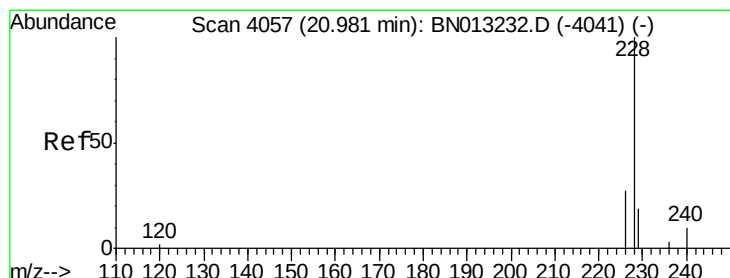
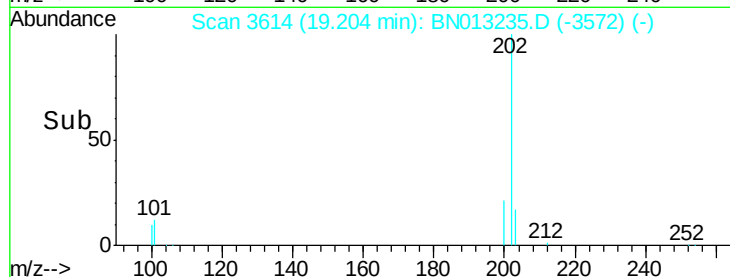
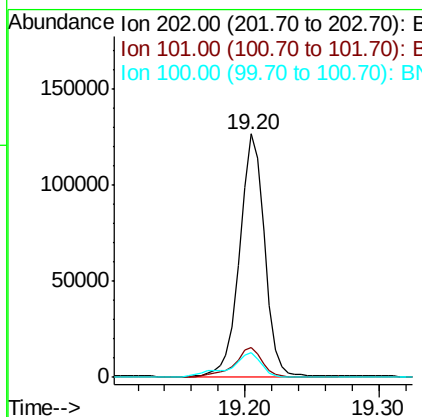
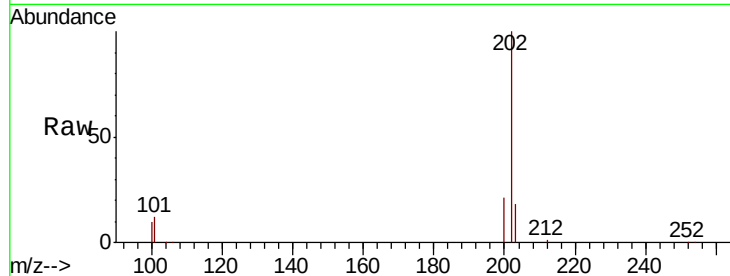
#17
Pvrene
Concen: 11.236 ng/ul
RT: 19.20 min Scan# 3614
Delta R.T. -0.00 min
Lab File: BN013235.D
Acq: 21 Dec 2020 11:23

Instrument :
BNA_N
ClientSampleId :
C0AE7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	9.1	13.7
100	10.1	7.5	11.3

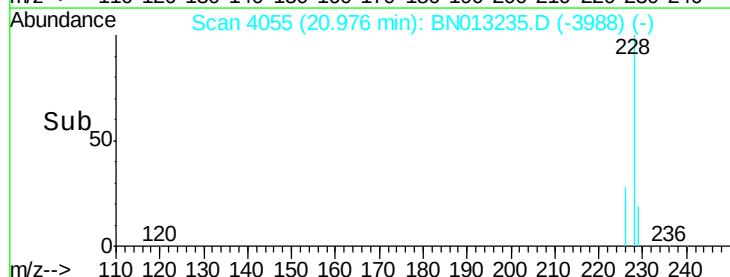
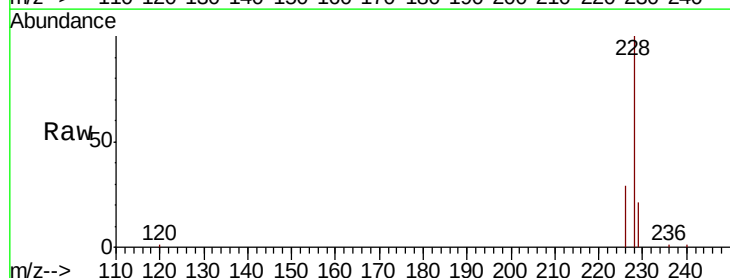
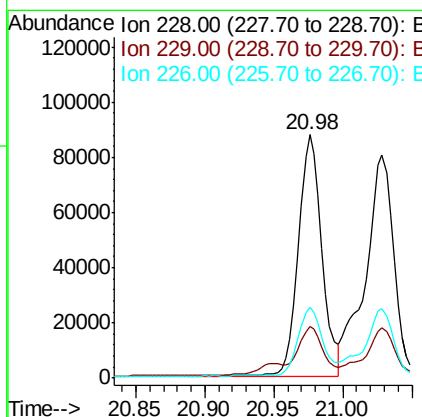
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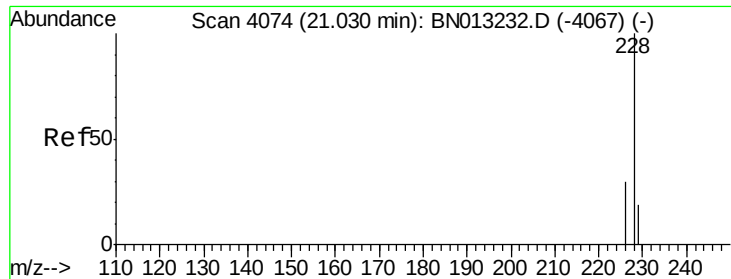
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#18
Benzo(a)anthracene
Concen: 8.252 ng/ul
RT: 20.98 min Scan# 4055
Delta R.T. -0.00 min
Lab File: BN013235.D
Acq: 21 Dec 2020 11:23

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.1	16.3	24.5
226	29.1	23.4	35.2





#19

Chrysene

Concen: 8.269 ng/ul

RT: 21.03 min Scan# 4073

Delta R.T. -0.00 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Instrument :

BNA_N

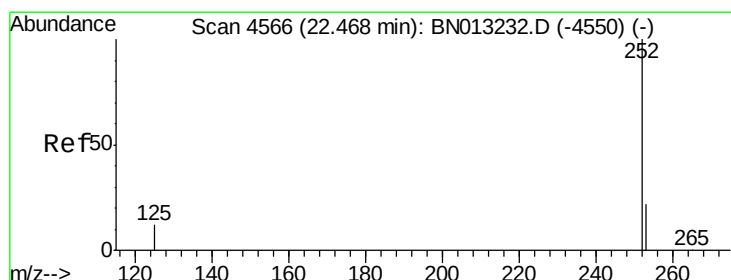
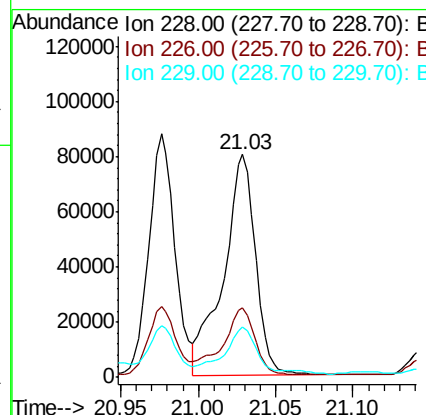
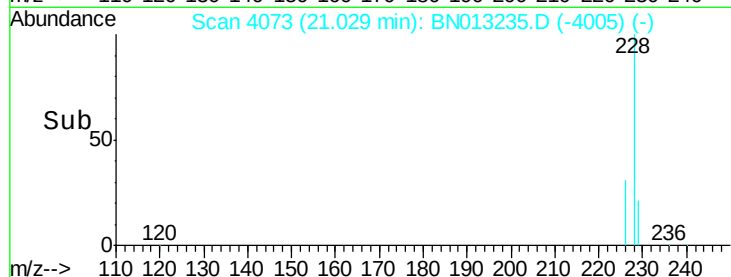
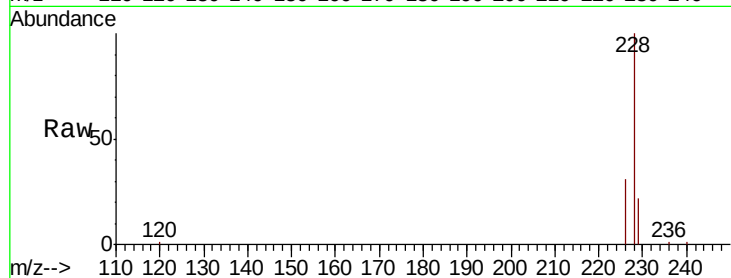
ClientSampleId :

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Tot Ion:228	Resp:	115371
Ion Ratio	Lower	Upper
228	100	
226	31.2	25.0 37.6
229	22.5	16.4 24.6

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#21

Benzo(b)fluoranthene

Concen: 16.603 ng/ul m

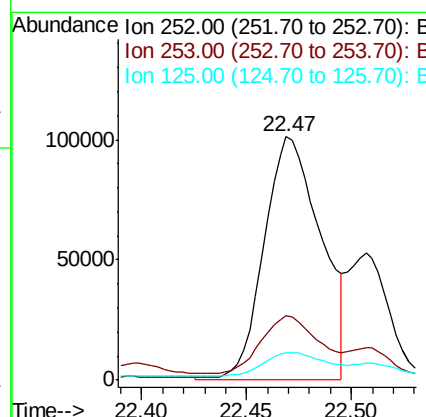
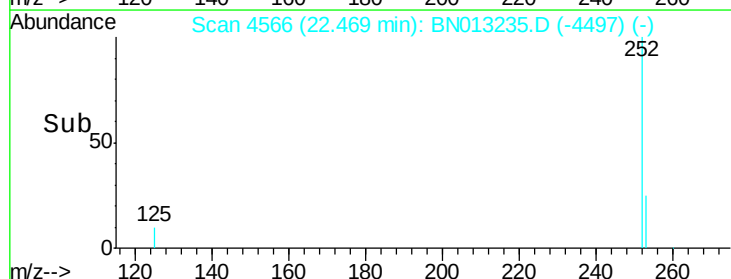
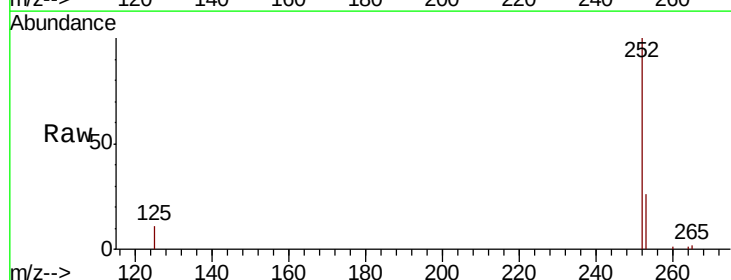
RT: 22.47 min Scan# 4566

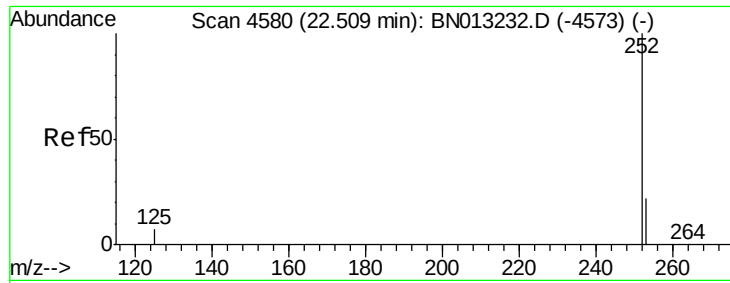
Delta R.T. 0.00 min

Lab File: BN013235.D

Acq: 21 Dec 2020 11:23

Tgt Ion:252	Resp:	192333
Ion Ratio	Lower	Upper
252	100	
253	26.4	0.0 59.6
125	11.3	0.0 26.0





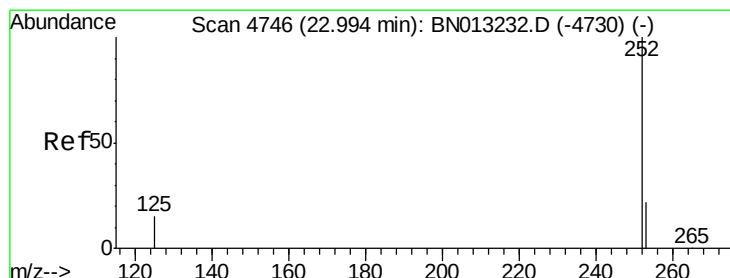
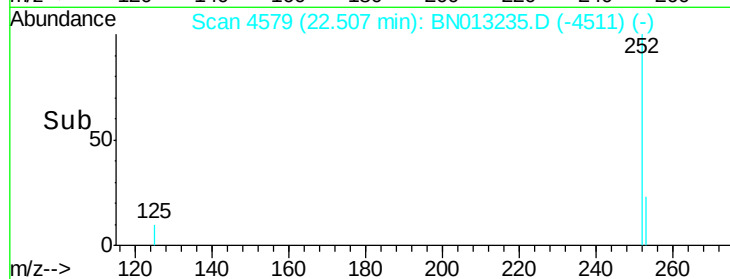
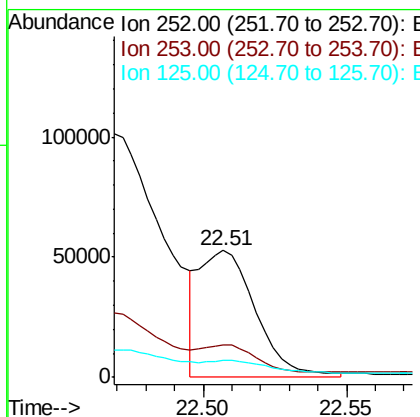
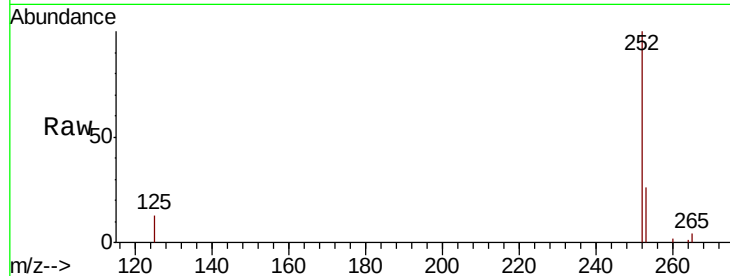
#22
Benzo(k)fluoranthene
Concen: 5.640 ng/ul m
RT: 22.51 min Scan# 4579
Delta R.T. -0.00 min
Lab File: BN013235.D
Acq: 21 Dec 2020 11:23

Instrument :
BNA_N
ClientSampleId :
C0AE7

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	23.4	35.2
125	13.3	11.1	16.7

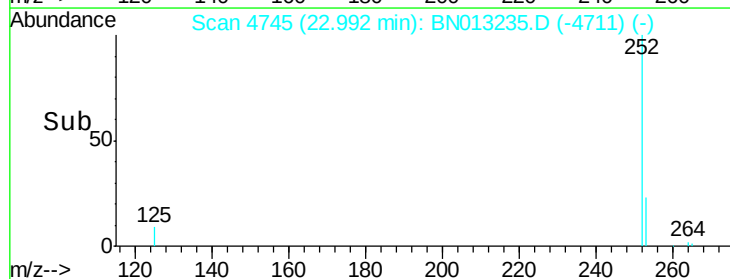
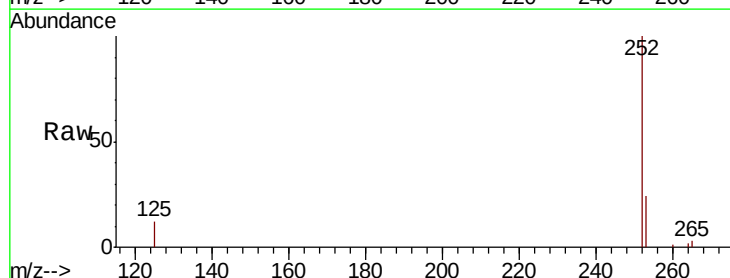
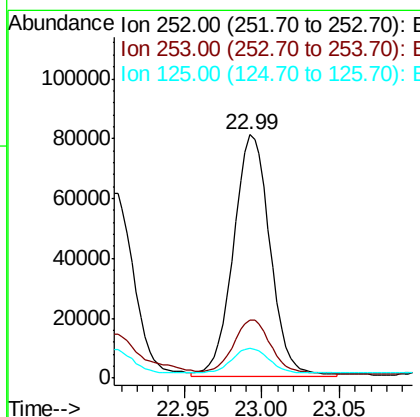
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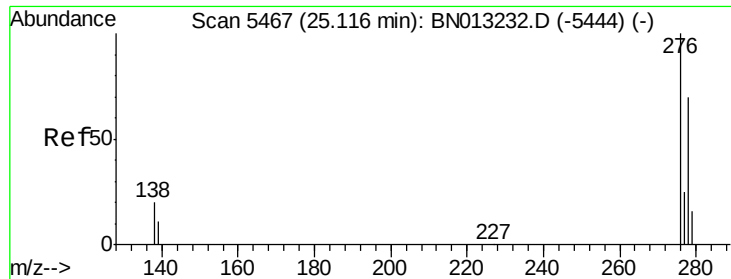
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#23
Benzo(a)pyrene
Concen: 12.367 ng/ul m
RT: 22.99 min Scan# 4745
Delta R.T. -0.00 min
Lab File: BN013235.D
Acq: 21 Dec 2020 11:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	26.5	39.7#
125	12.5	14.2	21.2#





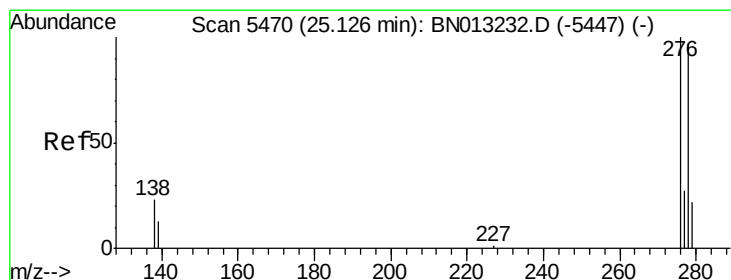
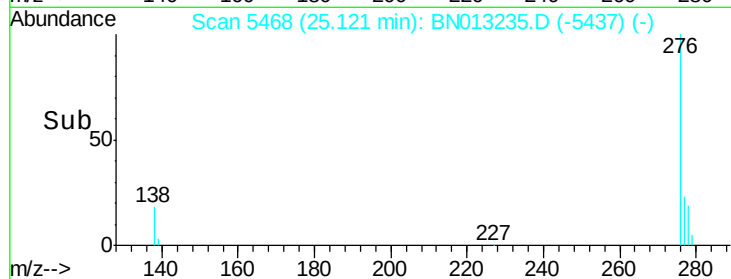
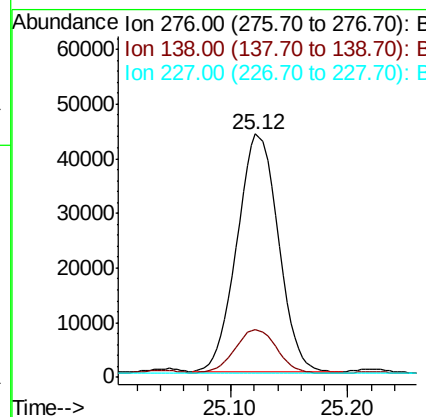
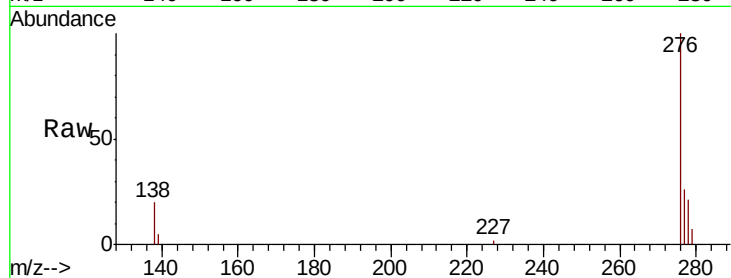
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 7.549 ng/ul
 RT: 25.12 min Scan# 5468
 Delta R.T. 0.00 min
 Lab File: BN013235.D
 Acq: 21 Dec 2020 11:23

Instrument :
 BNA_N
 ClientSampleId :
 C0AE7

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.2	24.2
227	0.4	0.0	0.0#

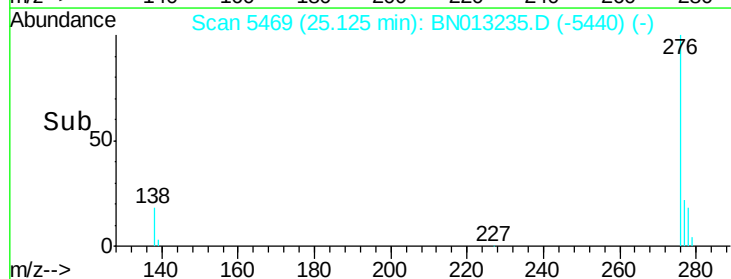
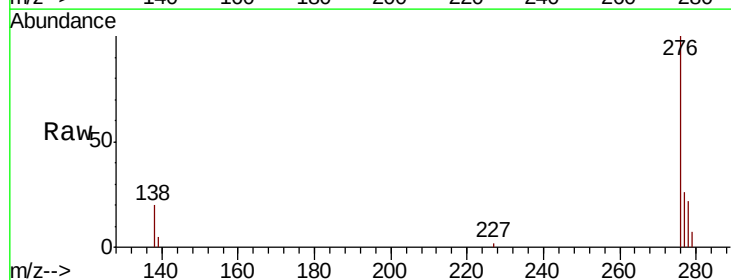
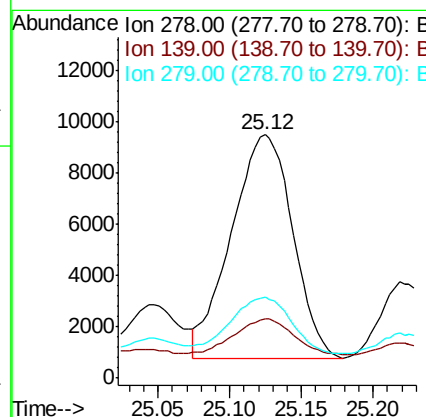
Manual Integrations
 APPROVED

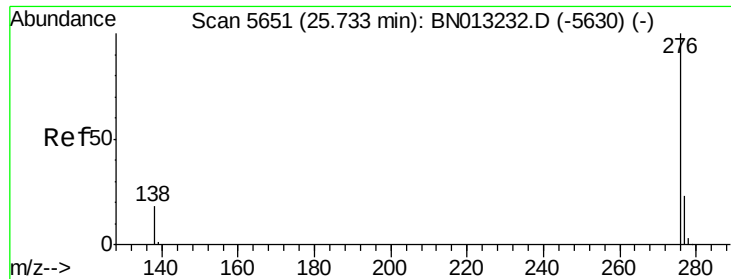
mohammad
 12/22/2020 2:39:29 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 2.316 ng/ul
 RT: 25.12 min Scan# 5469
 Delta R.T. -0.00 min
 Lab File: BN013235.D
 Acq: 21 Dec 2020 11:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.1	14.5	21.7#
279	33.0	26.3	39.5





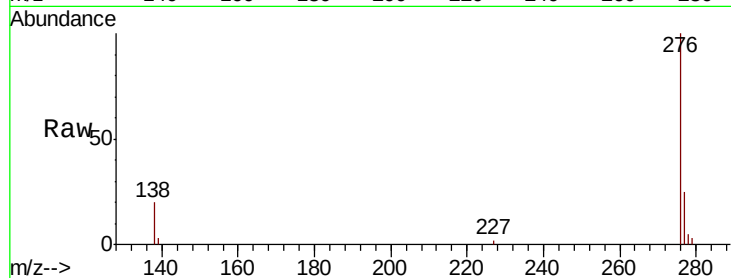
#26
 Benzo(a,h,i)perylene
 Concen: 7.151 ng/ul
 RT: 25.74 min Scan# 5654
 Delta R.T. 0.01 min
 Lab File: BN013235.D
 Acq: 21 Dec 2020 11:23

Instrument :
 BNA_N
 ClientSampleId :
 C0AE7

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.3	24.5
277	25.2	21.8	32.6

Manual Integrations
 APPROVED

mohammad
 12/22/2020 2:39:29 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

