

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012272.D
 Acq On : 16 Oct 2020 18:14
 Operator : CG/JU
 Sample : L4201-08
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

Manual Integrations
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 10/19/2020 1:21:42 PM

Quant Time: Oct 16 18:47:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 10:51:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1876	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	7937	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4607	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	9363	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	7767	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	7735	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	2388	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	4858	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	1070	0.047	ng/ul#	83
5) 2-Methylnaphthalene	12.06	142	580	0.040	ng/ul	98
7) Acenaphthylene	13.97	152	10933	0.547	ng/ul	98
8) Acenaphthene	14.32	153	1309	0.077	ng/ul	96
9) Fluorene	15.31	166	2004	0.107	ng/ul#	98
12) Phenanthrene	17.05	178	34631	1.160	ng/ul	99
13) Anthracene	17.14	178	12401	0.484	ng/ul	100
15) Fluoranthene	19.07	202	104638	2.998	ng/ul	99
17) Pyrene	19.44	202	95062	2.715	ng/ul	99
18) Benzo(a)anthracene	21.19	228	49393	1.717	ng/ul#	90
19) Chrysene	21.24	228	60966	1.739	ng/ul#	92
21) Benzo(b)fluoranthene	22.75	252	89693m	2.871	ng/ul	
22) Benzo(k)fluoranthene	22.79	252	27101m	0.784	ng/ul	
23) Benzo(a)pyrene	23.31	252	61421	2.021	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.59	276	53137	1.361	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.59	278	16300	0.522	ng/ul#	27
26) Benzo(a,h,i)perylene	26.27	276	75391	2.107	ng/ul#	89

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

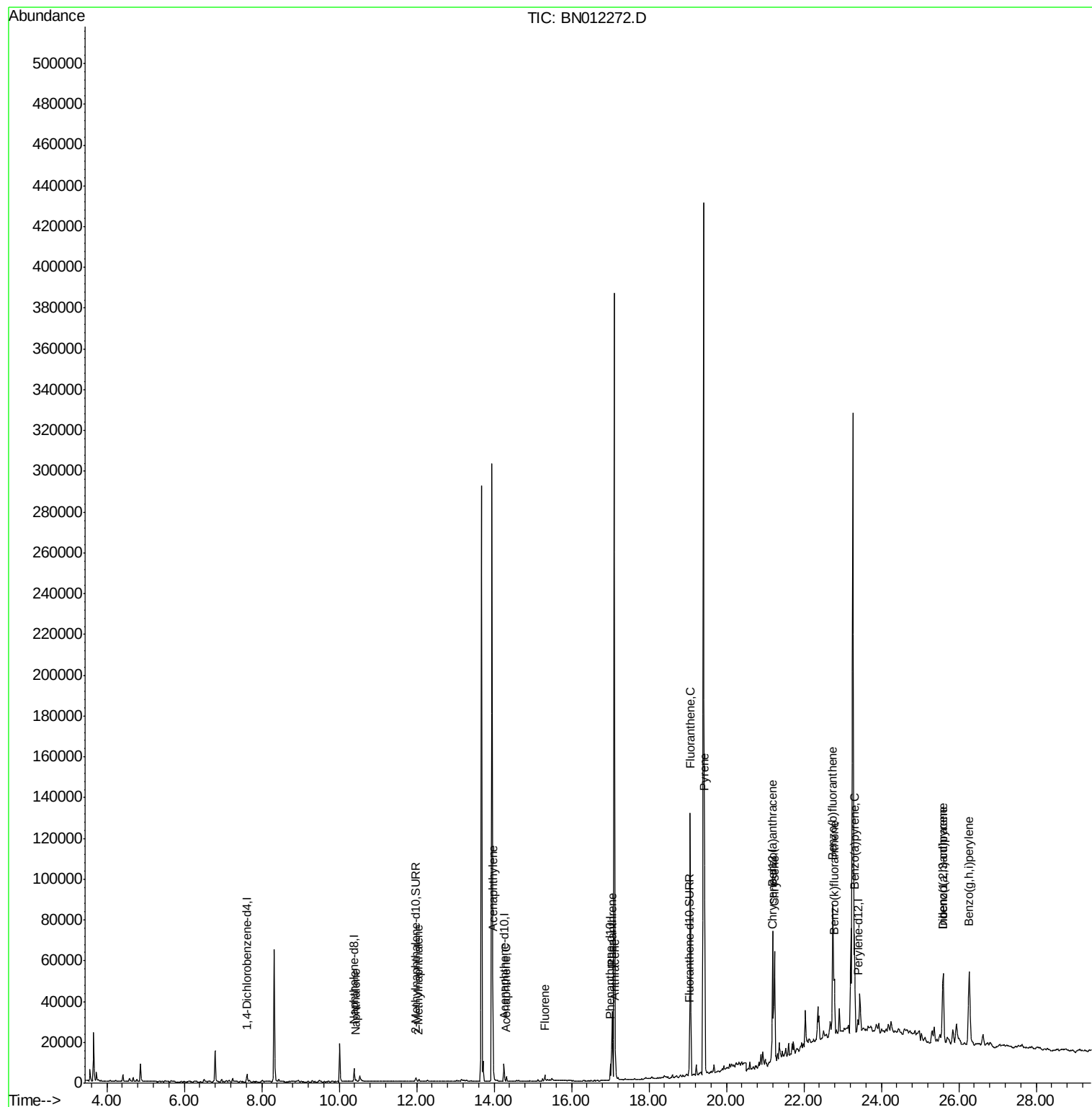
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
Data File : BN012272.D
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Misc :
ALS Vial : 84 Sample Multiplier: 1

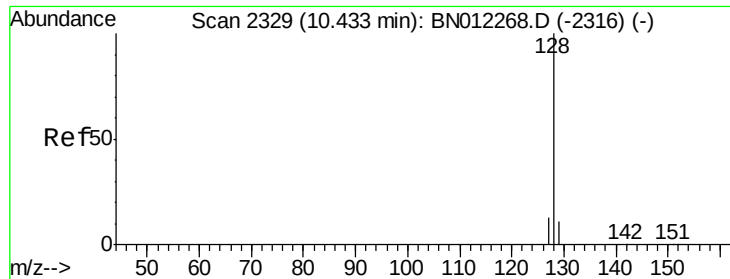
Instrument :
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C0AS4

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Quant Time: Oct 16 18:47:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 16 10:51:19 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.047 ng/ul

RT: 10.43 min Scan# 2329

Delta R.T. -0.01 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Instrument :

BNA_N

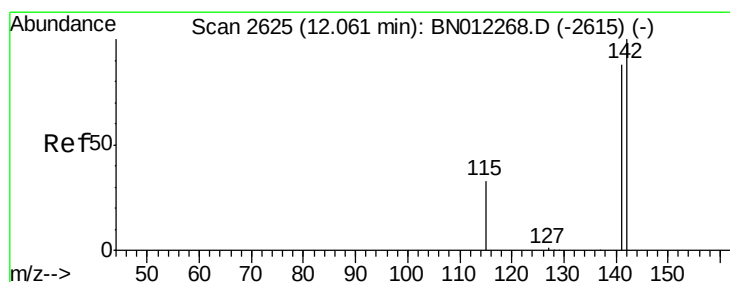
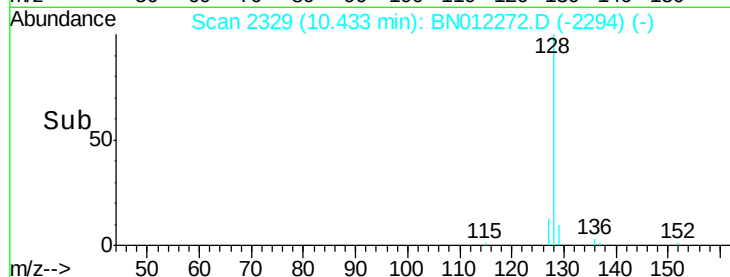
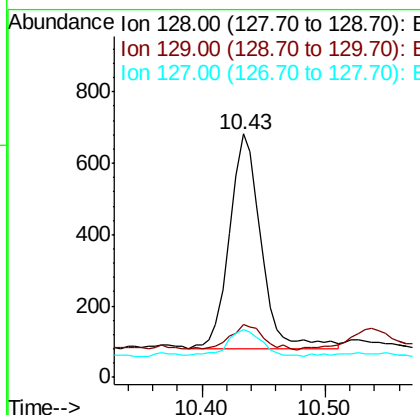
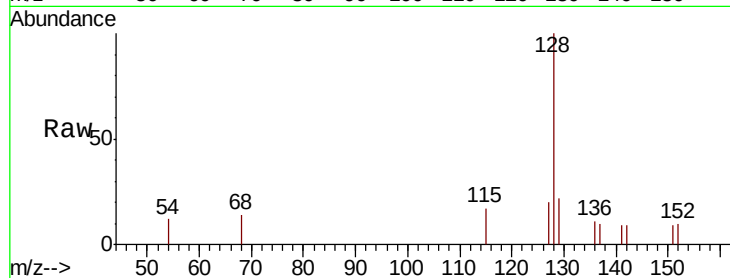
ClientSampleId :

C0AS4

Tot Ion:	128	Resp:	1070
Ion	Ratio	Lower	Upper
128	100		
129	21.8	10.3	15.5#
127	19.9	11.9	17.9#

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#5

2-Methylnaphthalene

Concen: 0.040 ng/ul

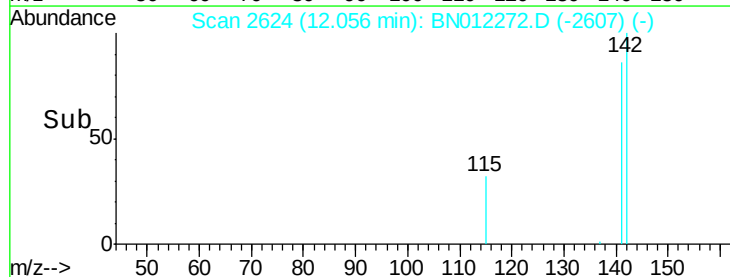
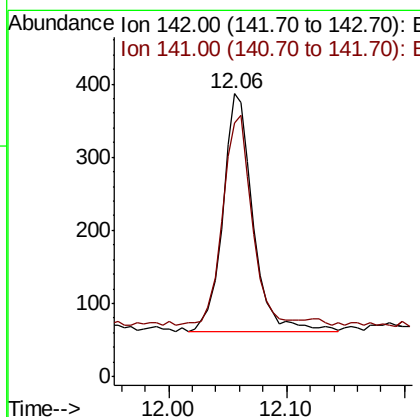
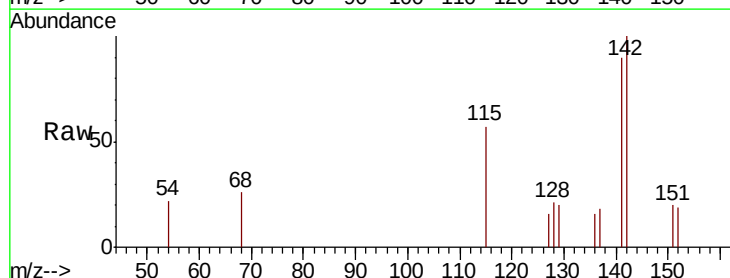
RT: 12.06 min Scan# 2624

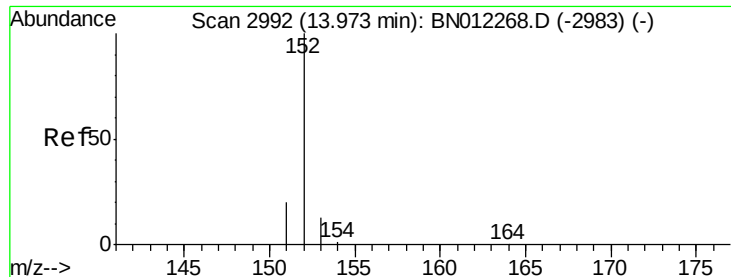
Delta R.T. -0.01 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Tgt Ion:	142	Resp:	580
Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.7	107.5





#7

Acenaphthylene

Concen: 0.547 ng/ul

RT: 13.97 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Instrument :

BNA_N

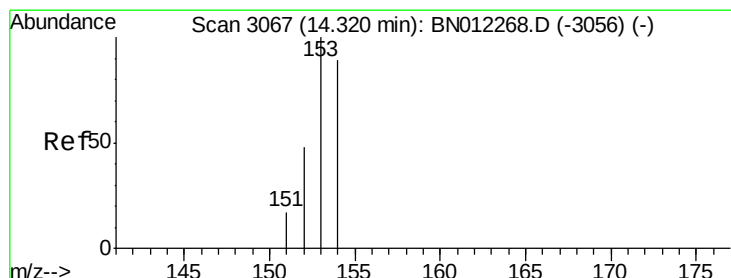
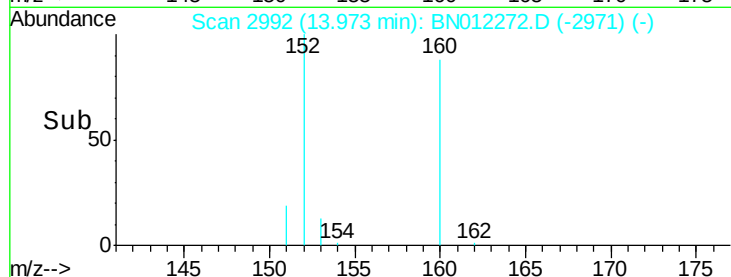
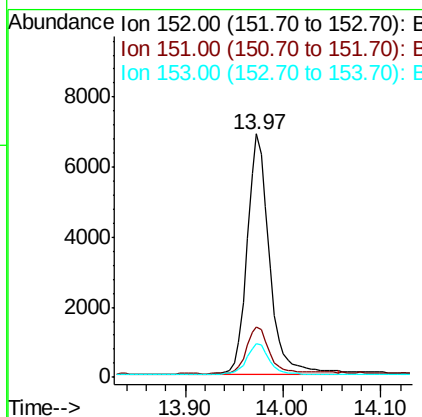
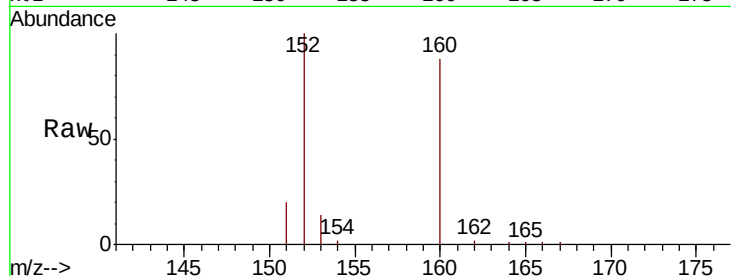
ClientSampleId :

C0AS4

Tot Ion:	152	Resp:	10933
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.7	25.1
153	13.8	11.8	17.8

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#8

Acenaphthene

Concen: 0.077 ng/ul

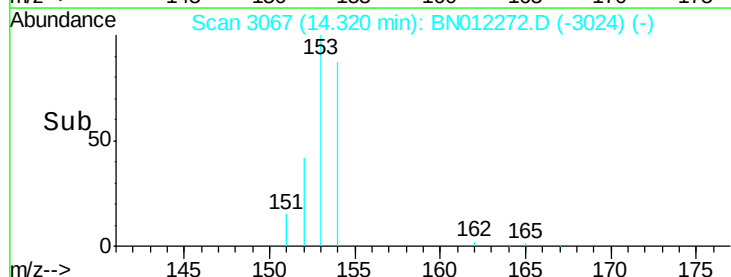
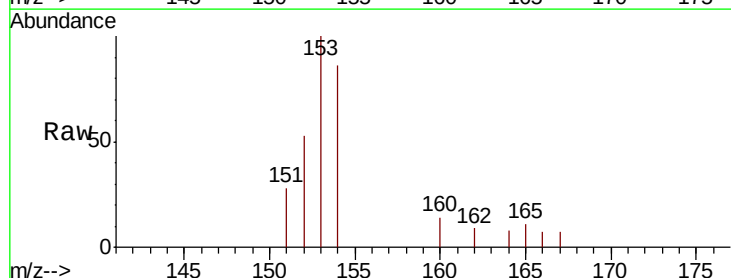
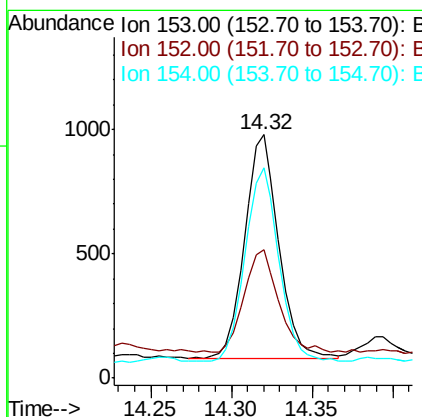
RT: 14.32 min Scan# 3067

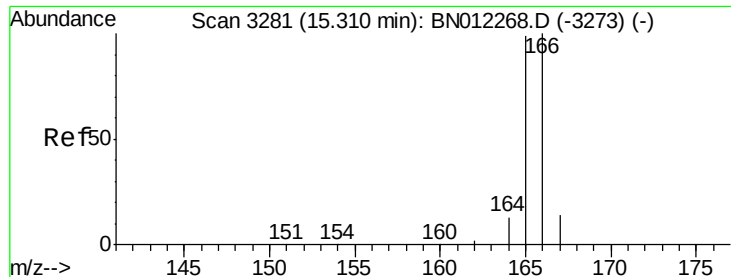
Delta R.T. -0.00 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Tgt Ion:	153	Resp:	1309
Ion Ratio	Lower	Upper	
153	100		
152	52.8	38.2	57.2
154	86.3	71.1	106.7





#9

Fluorene

Concen: 0.107 ng/ul

RT: 15.31 min Scan# 3281

Delta R.T. -0.00 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Instrument :

BNA_N

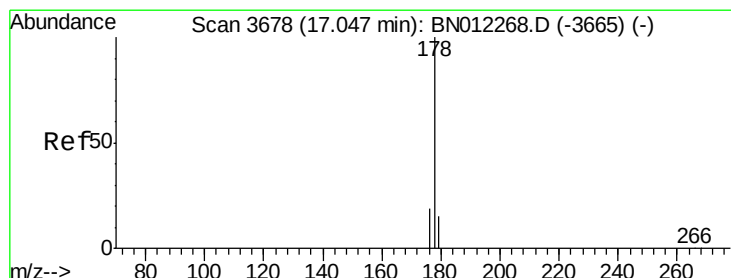
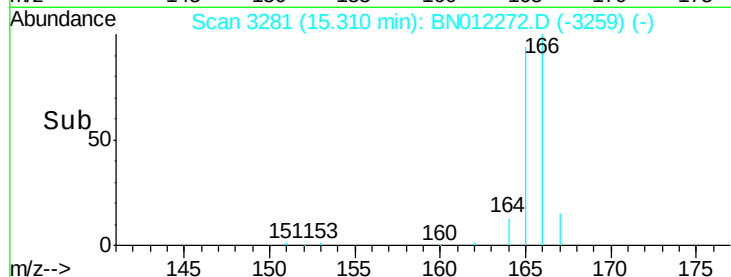
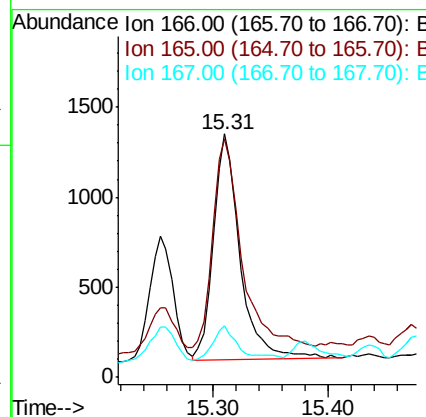
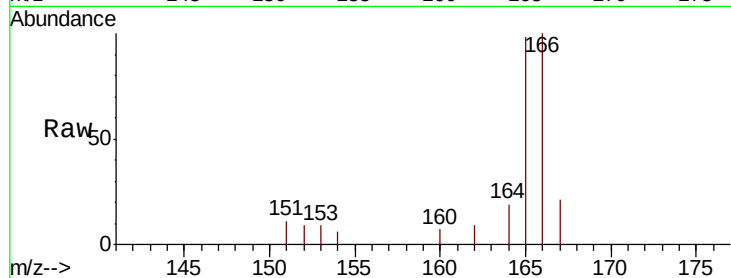
ClientSampleId :

C0AS4

Tot Ion:	166	Resp:	2004
Ion Ratio	Lower	Upper	
166	100		
165	98.2	78.6	118.0
167	21.1	11.9	17.9#

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#12

Phenanthrene

Concen: 1.160 ng/ul

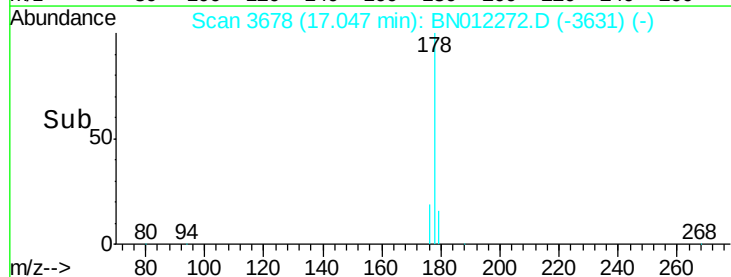
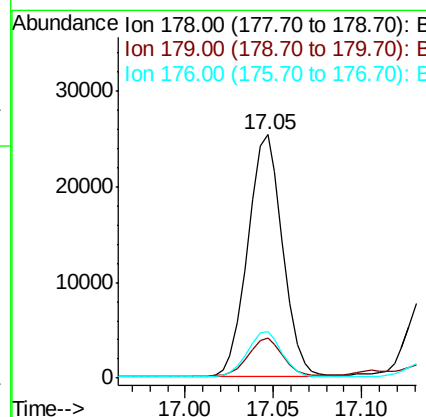
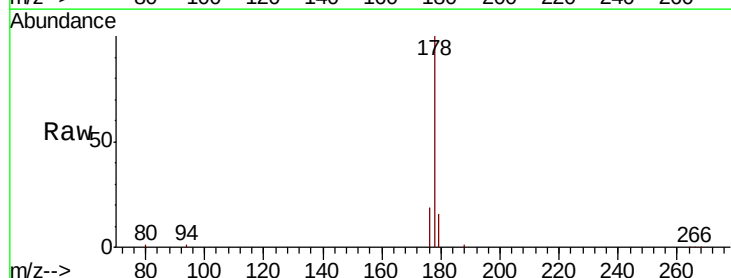
RT: 17.05 min Scan# 3678

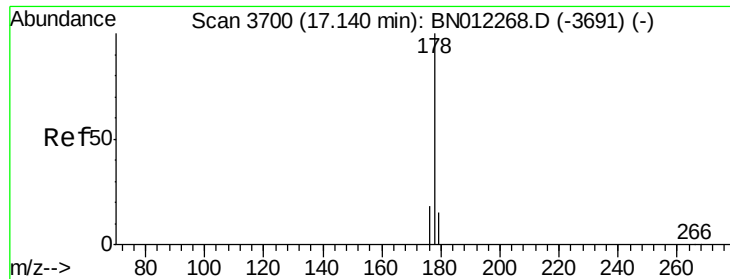
Delta R.T. -0.00 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Tgt Ion:	178	Resp:	34631
Ion Ratio	Lower	Upper	
178	100		
179	16.3	13.4	20.2
176	19.0	15.7	23.5





#13

Anthracene

Concen: 0.484 ng/ul

RT: 17.14 min Scan# 3699

Delta R.T. -0.00 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Instrument :

BNA_N

ClientSampleId :

C0AS4

Tot Ion:178 Resp: 12401

Ion Ratio Lower Upper

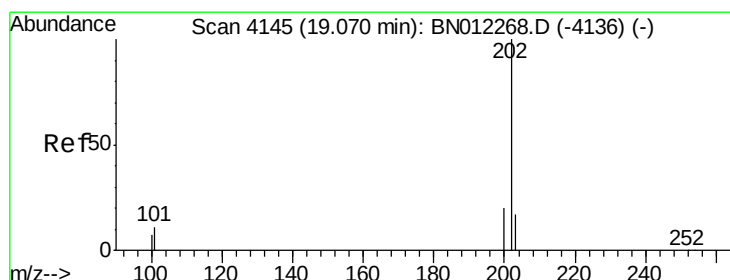
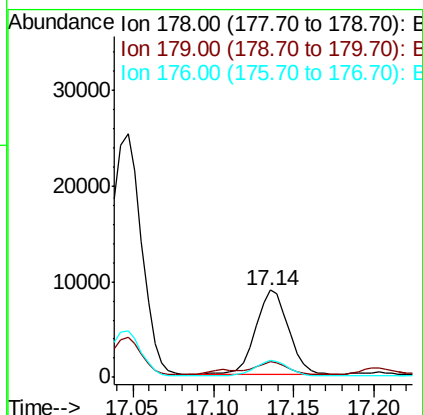
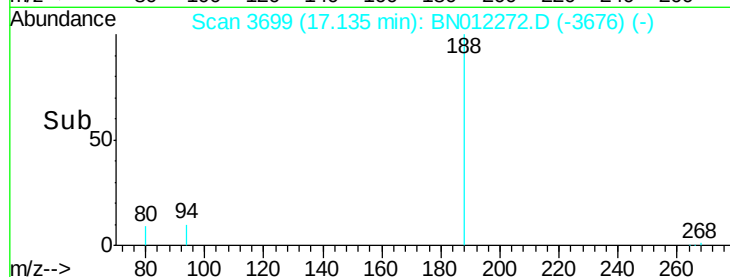
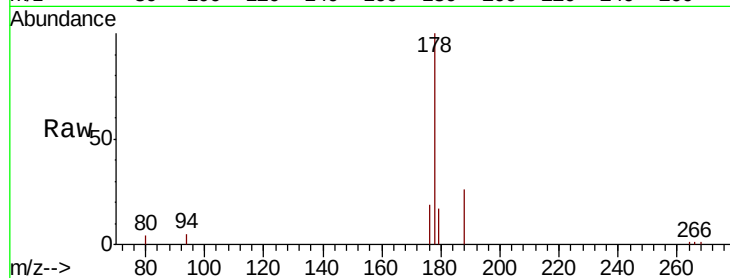
178 100

179 17.5 13.9 20.9

176 19.5 15.4 23.0

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#15

Fluoranthene

Concen: 2.998 ng/ul

RT: 19.07 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

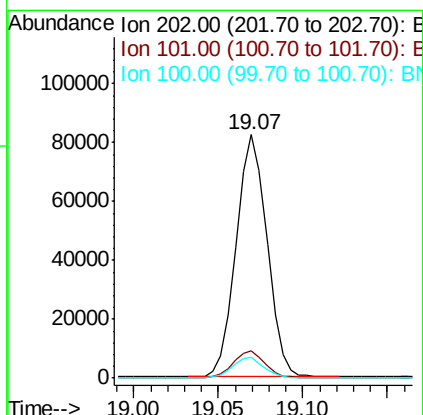
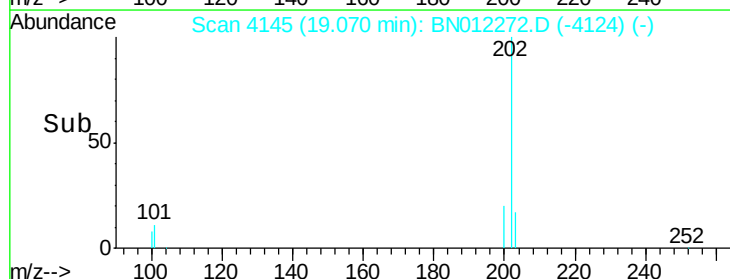
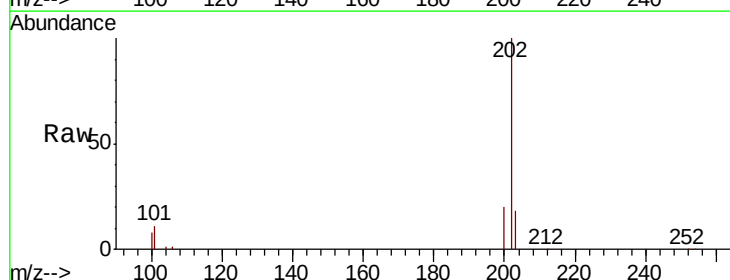
Tgt Ion:202 Resp: 104638

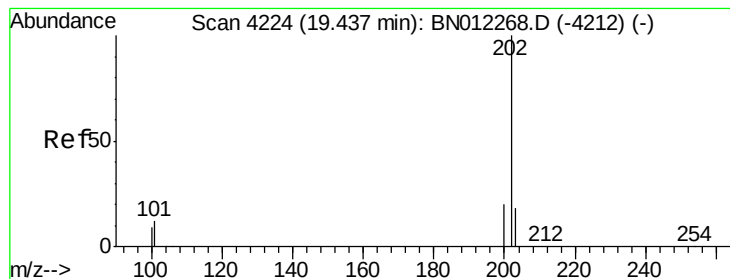
Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.0

100 8.3 0.0 28.7





#17

Pvrene

Concen: 2.715 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Instrument :

BNA_N

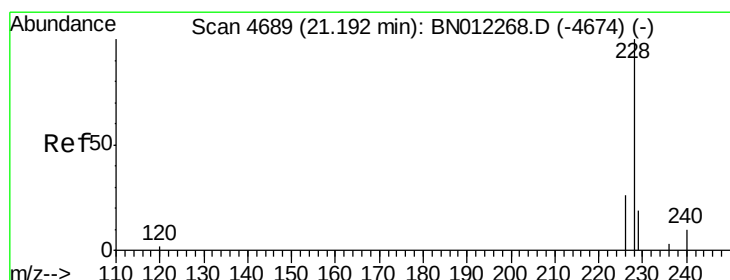
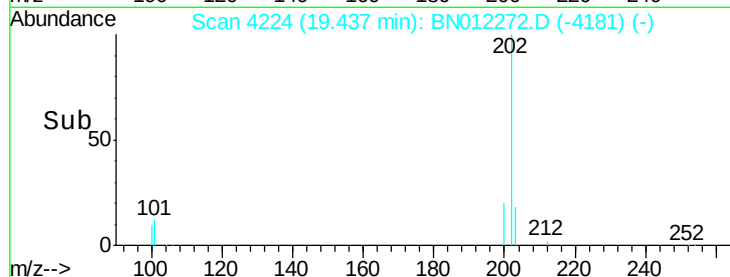
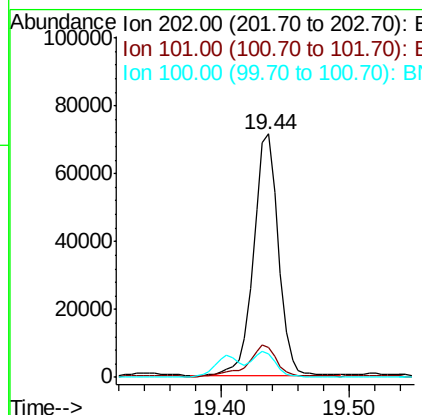
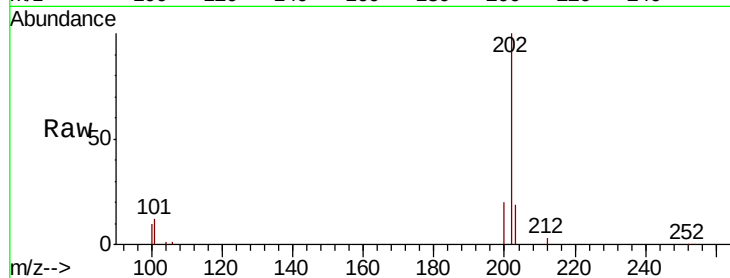
ClientSampleId :

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Tot Ion:	202	Resp:	95062
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.9	14.9
100	9.7	8.0	12.0

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#18

Benzo(a)anthracene

Concen: 1.717 ng/ul

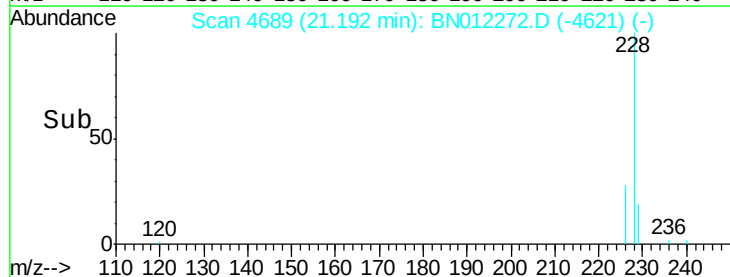
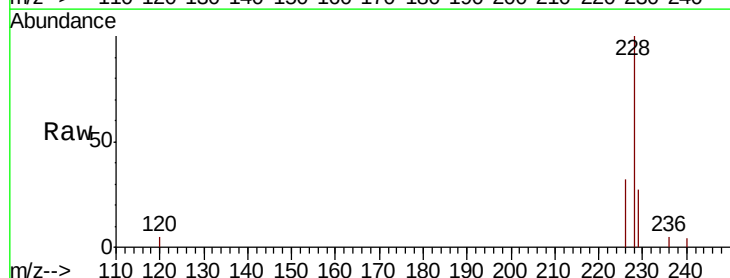
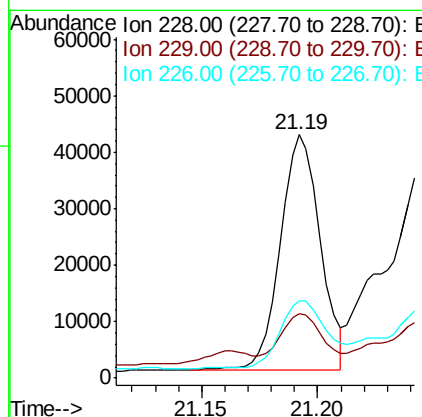
RT: 21.19 min Scan# 4689

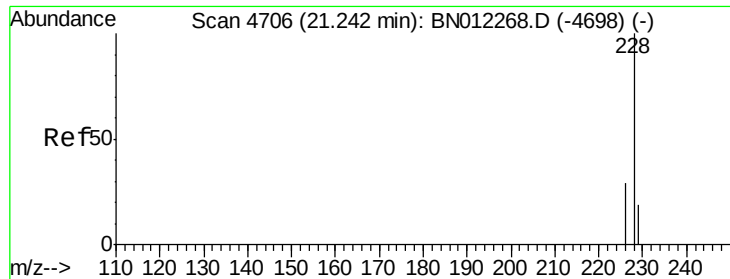
Delta R.T. -0.00 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Tgt Ion:	228	Resp:	49393
Ion Ratio	Lower	Upper	
228	100		
229	26.5	15.8	23.8#
226	31.9	22.6	33.8





#19

Chrysene

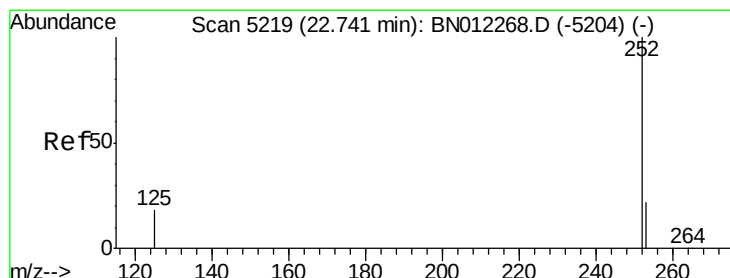
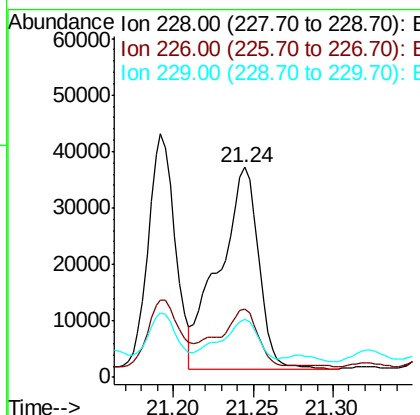
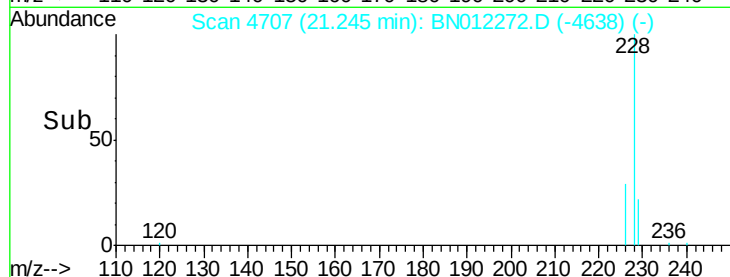
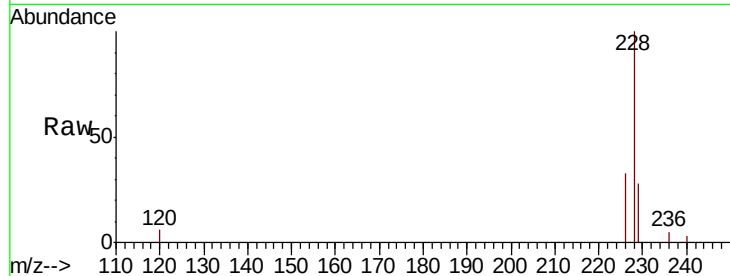
Concen: 1.739 ng/ul
 RT: 21.24 min Scan# 4707
 Delta R.T. 0.00 min
 Lab File: BN012272.D
 Acq: 16 Oct 2020 18:14

Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.6	37.0
229	27.6	17.0	25.6

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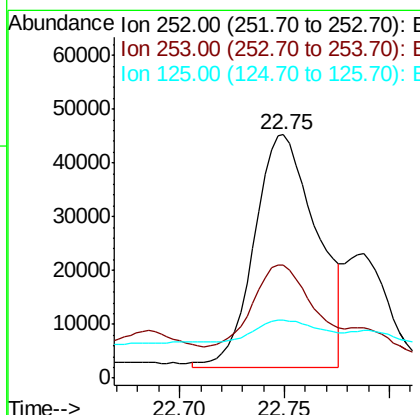
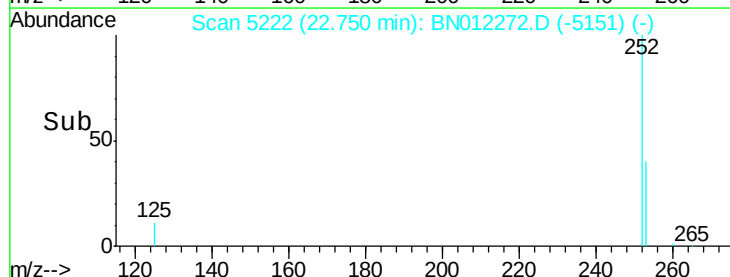
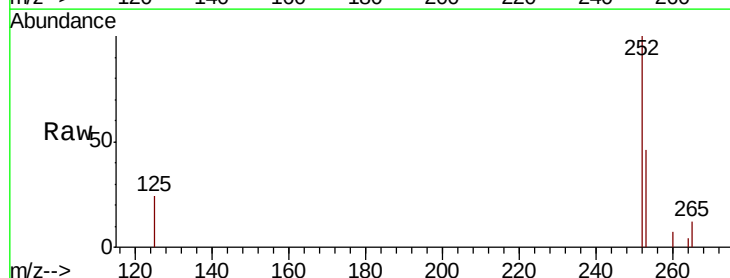


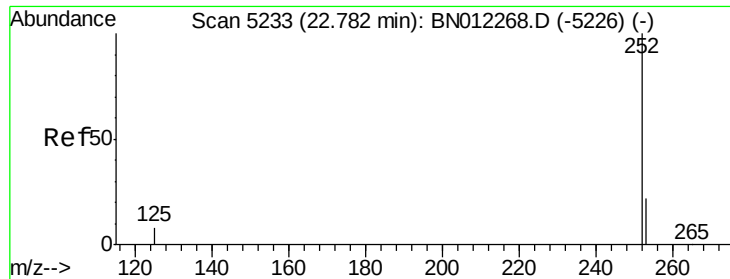
#21

Benzo(b)fluoranthene

Concen: 2.871 ng/ul m
 RT: 22.75 min Scan# 5222
 Delta R.T. 0.01 min
 Lab File: BN012272.D
 Acq: 16 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.2	0.0	61.6
125	24.1	0.0	36.8





#22

Benzo(k)fluoranthene

Concen: 0.784 ng/ul m

RT: 22.79 min Scan# 5235

Delta R.T. 0.01 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Instrument :

BNA_N

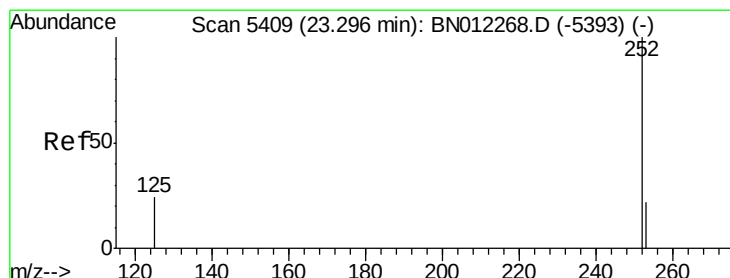
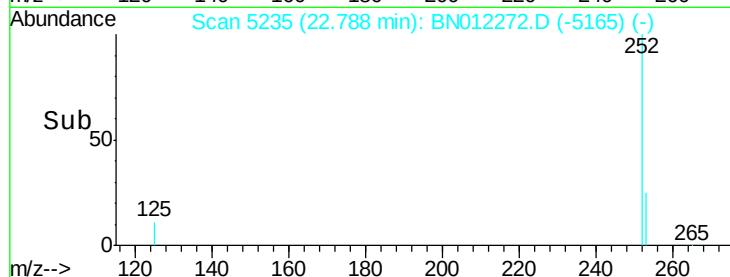
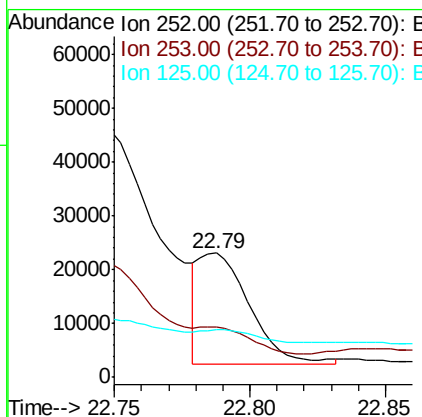
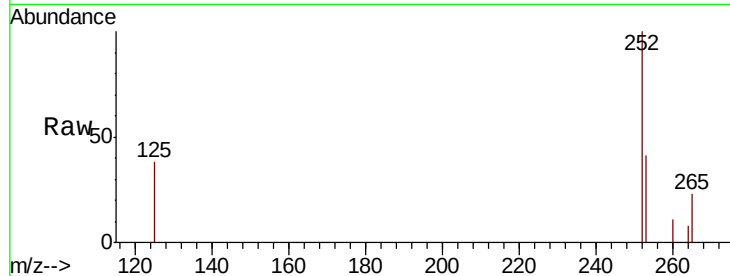
ClientSampleId :

C0AS4

Tot Ion:	252	Resp:	27101
Ion Ratio	Lower	Upper	
252	100		
253	40.8	24.4	36.6#
125	38.2	12.9	19.3#

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#23

Benzo(a)pyrene

Concen: 2.021 ng/ul

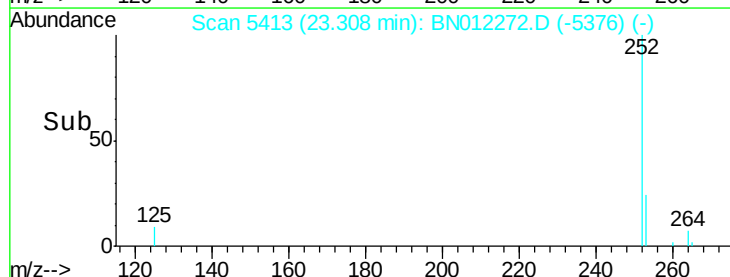
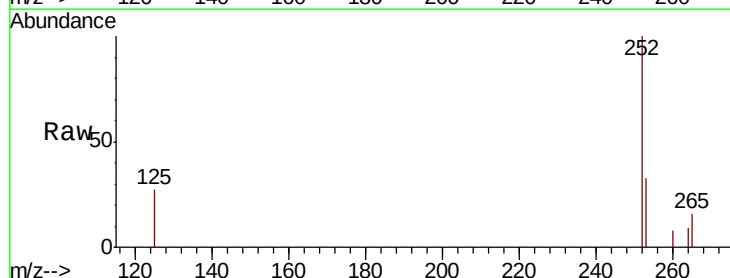
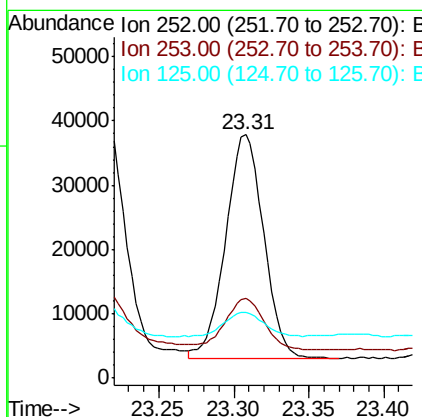
RT: 23.31 min Scan# 5413

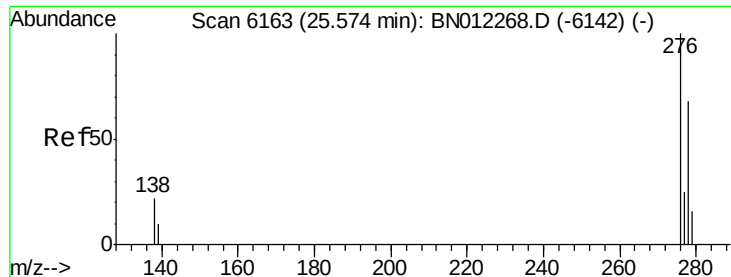
Delta R.T. 0.01 min

Lab File: BN012272.D

Acq: 16 Oct 2020 18:14

Tgt Ion:	252	Resp:	61421
Ion Ratio	Lower	Upper	
252	100		
253	33.0	27.0	40.4
125	27.0	18.8	28.2





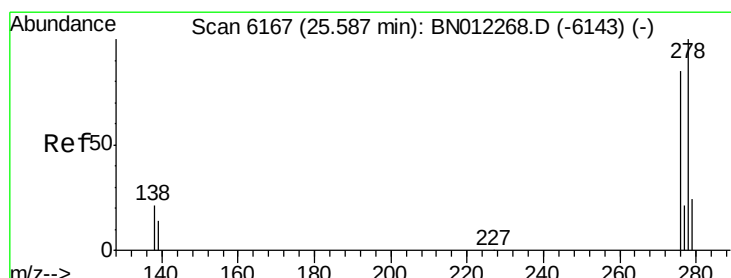
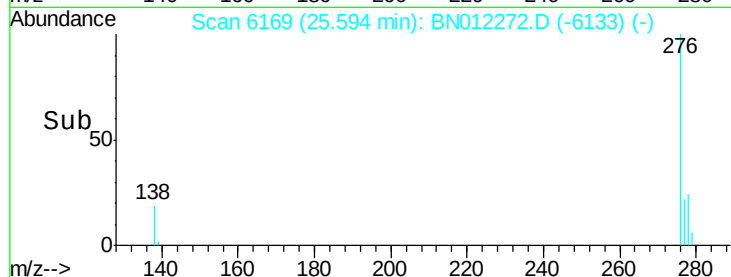
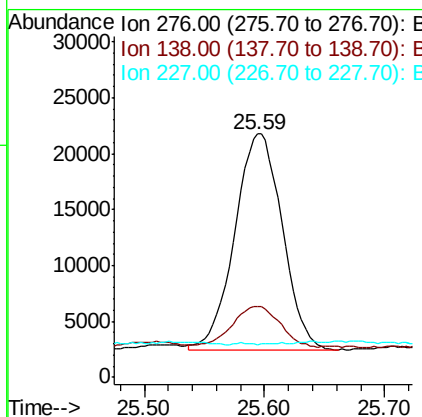
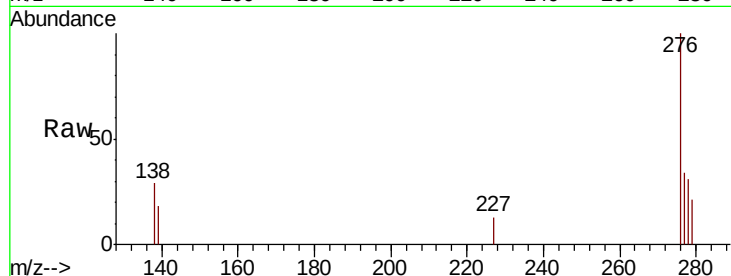
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.361 ng/ul
RT: 25.59 min Scan# 6169
Delta R.T. 0.02 min
Lab File: BN012272.D
Acq: 16 Oct 2020 18:14

Instrument :
BNA_N
ClientSampleId :
C0AS4

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	18.5	0.0	0.0#
227	0.1	0.0	0.0#

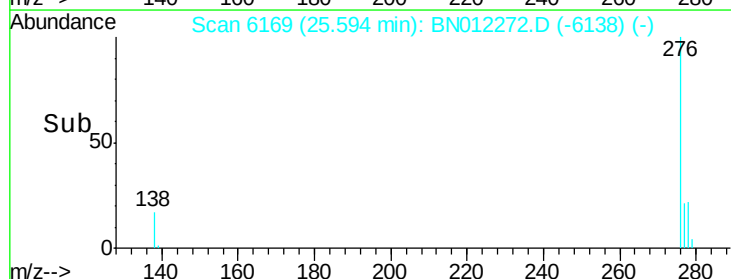
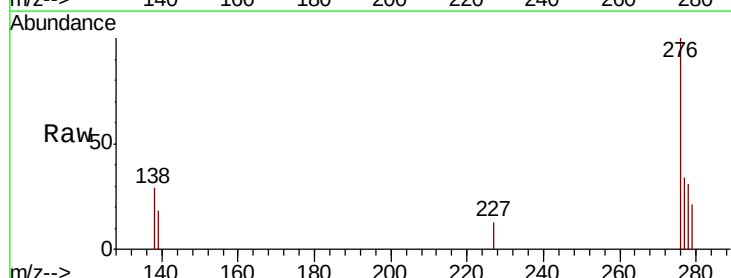
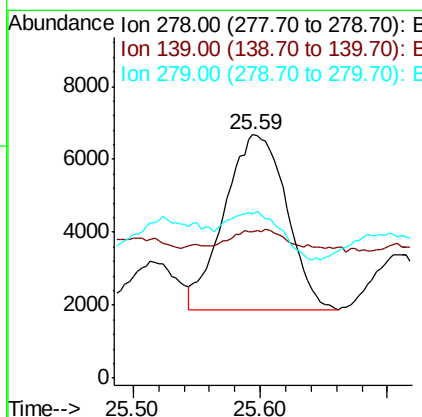
Manual Integrations
APPROVED

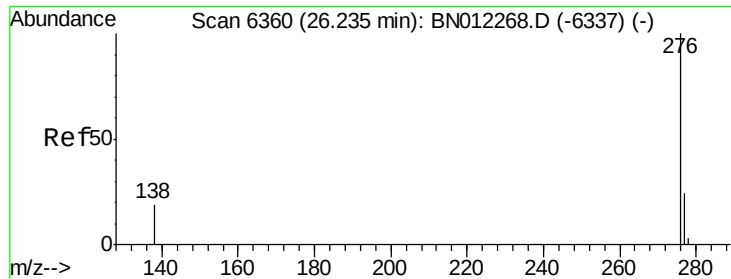
mohammad
10/19/2020 1:21:42 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.522 ng/ul
RT: 25.59 min Scan# 6169
Delta R.T. 0.00 min
Lab File: BN012272.D
Acq: 16 Oct 2020 18:14

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	60.3	15.7	23.5#
279	67.7	26.0	39.0#





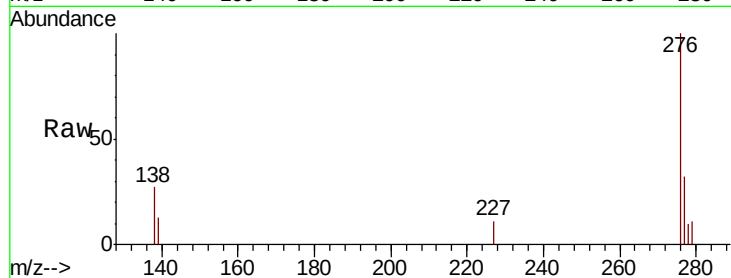
#26
 Benzo(a,h,i)perylene
 Concen: 2.107 ng/ul
 RT: 26.27 min Scan# 6371
 Delta R.T. 0.03 min
 Lab File: BN012272.D
 Acq: 16 Oct 2020 18:14

Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	17.1	25.7#
277	31.6	21.1	31.7

Manual Integrations
 APPROVED

mohammad
 10/19/2020 1:21:42 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

