

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101920\
 Data File : BN012349.D
 Acq On : 19 Oct 2020 13:45
 Operator : CG/JU
 Sample : L4308-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AP8

Manual Integrations
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Sohil
 10/20/2020 9:35:46 AM

Quant Time: Oct 19 14:15:30 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 : Mon Oct 19 11:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1300	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	5552	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	3208	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	6620m	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	6081	0.40	ng/ul	0.00
20) Perylene-d12	23.36	264	5360	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	1964	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	4067	0.22	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.42	128	1921	0.120	ng/ul#	94
5) 2-Methylnaphthalene	12.04	142	746	0.073	ng/ul	94
7) Acenaphthylene	13.95	152	2510	0.180	ng/ul	94
8) Acenaphthene	14.30	153	3380	0.287	ng/ul	98
9) Fluorene	15.29	166	4758	0.363	ng/ul	96
12) Phenanthrene	17.03	178	114670	5.434	ng/ul	98
13) Anthracene	17.12	178	19365	1.070	ng/ul	99
15) Fluoranthene	19.05	202	314532	12.747	ng/ul	97
17) Pyrene	19.41	202	240142	8.759	ng/ul	98
18) Benzo(a)anthracene	21.17	228	135058	5.996	ng/ul	99
19) Chrysene	21.22	228	160789	5.859	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	233604m	10.790	ng/ul	
22) Benzo(k)fluoranthene	22.75	252	74614m	3.114	ng/ul	
23) Benzo(a)pyrene	23.27	252	128437	6.098	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.53	276	103975	3.843	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.53	278	26483	1.224	ng/ul	97
26) Benzo(a,h,i)perylene	26.19	276	88811	3.581	ng/ul	98

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

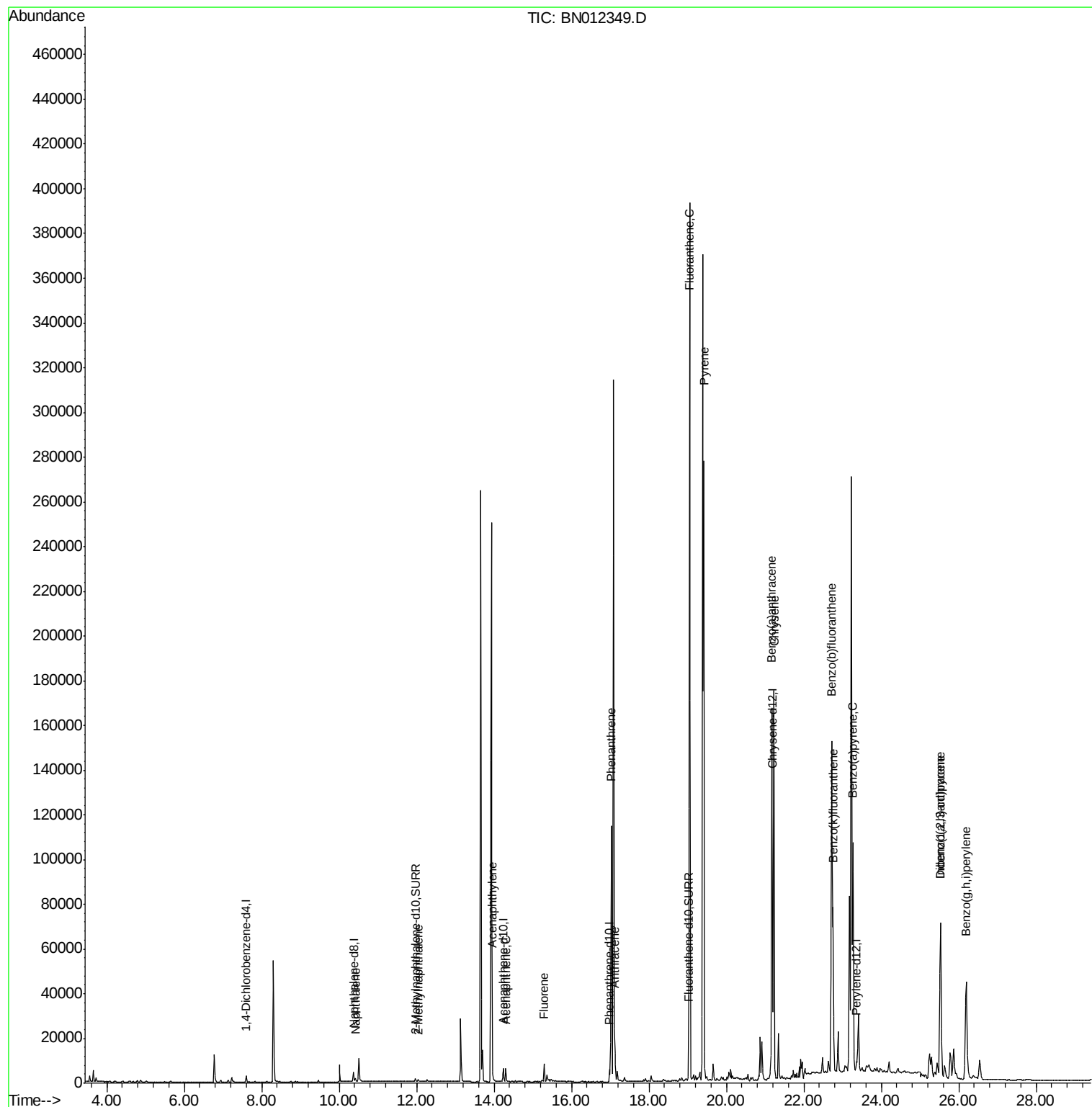
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101920\
Data File : BN012349.D
Acq On : 19 Oct 2020 13:45
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Sample : L4308-03
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ALS Vial : 8 Sample Multiplier: 1

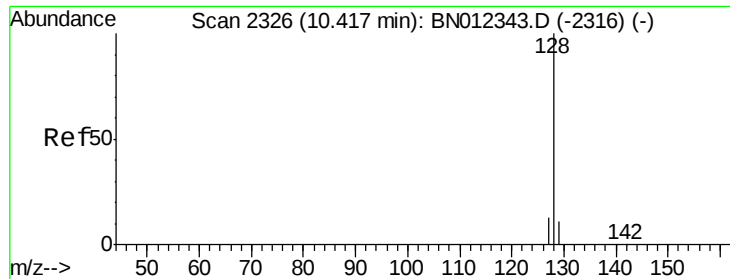
Instrument :
BNA_N
ClientSampleId :
C0AP8

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10/20/2020 9:35:46 AM

Quant Time: Oct 19 14:15:30 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 : Mon Oct 19 11:52:04 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.120 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BN012349.D

Acq: 19 Oct 2020 13:45

Instrument :

BNA_N

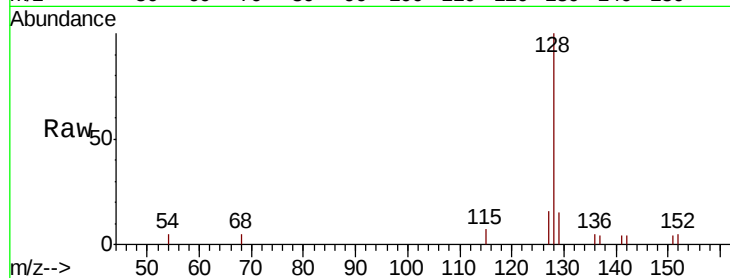
ClientSampled :

C0AP8

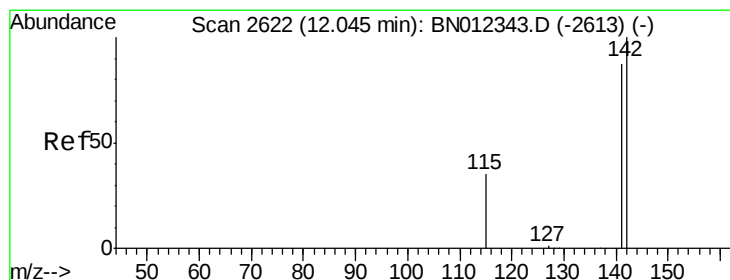
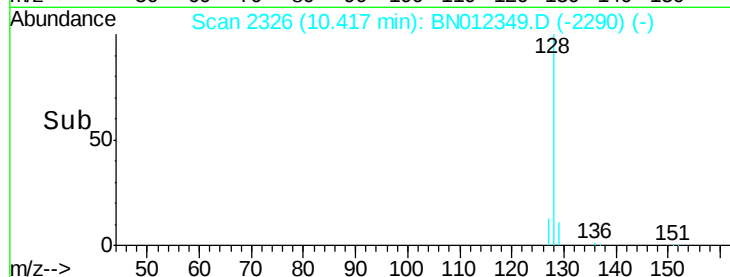
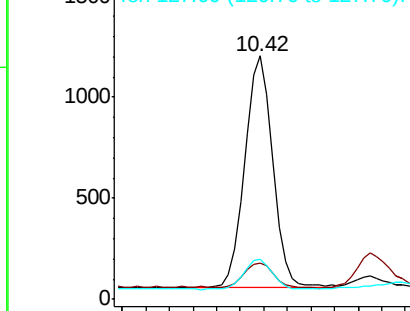
Tot Ion:	128	Resp:	1921
Ion Ratio	Lower	Upper	
128	100		
129	15.1	9.8	14.6#
127	16.3	11.4	17.2

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.073 ng/ul

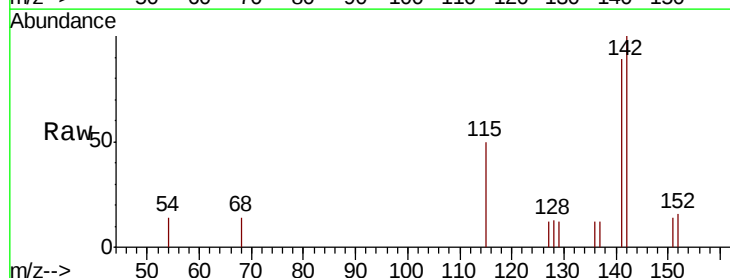
RT: 12.04 min Scan# 2621

Delta R.T. -0.01 min

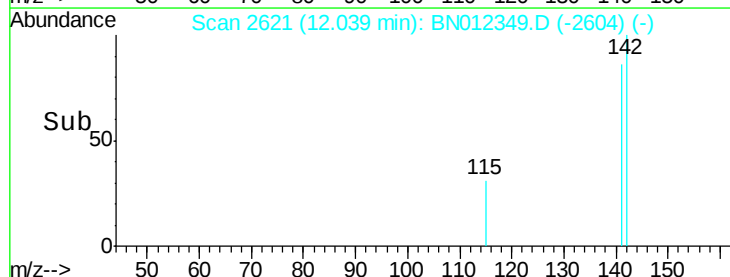
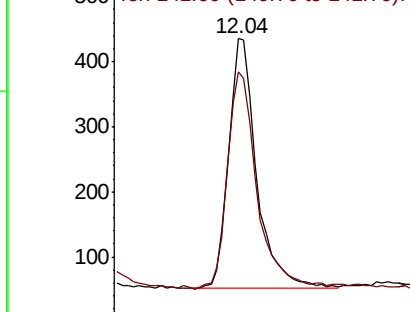
Lab File: BN012349.D

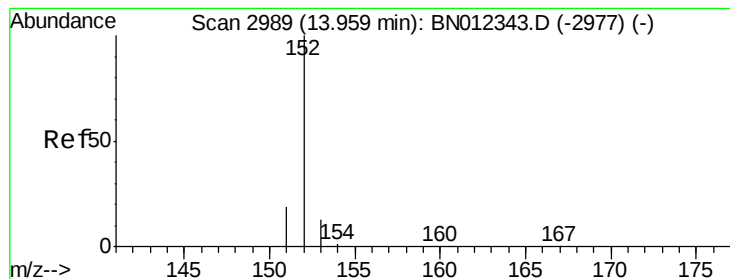
Acq: 19 Oct 2020 13:45

Tgt Ion:	142	Resp:	746
Ion Ratio	Lower	Upper	
142	100		
141	94.5	70.8	106.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.180 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN012349.D

Acq: 19 Oct 2020 13:45

Instrument :

BNA_N

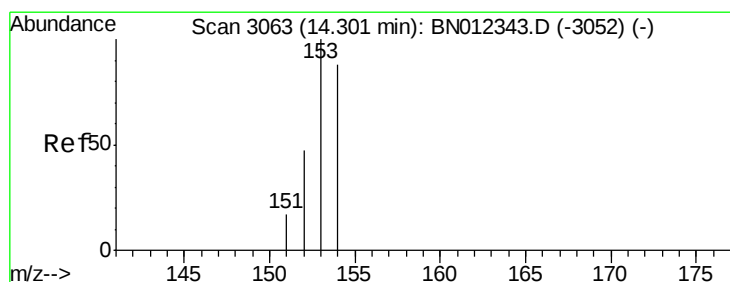
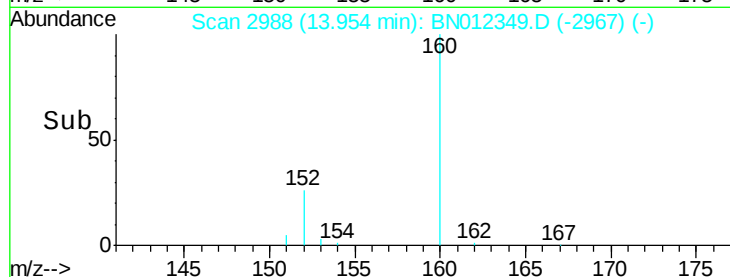
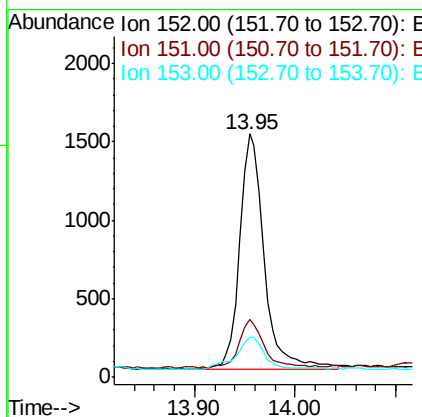
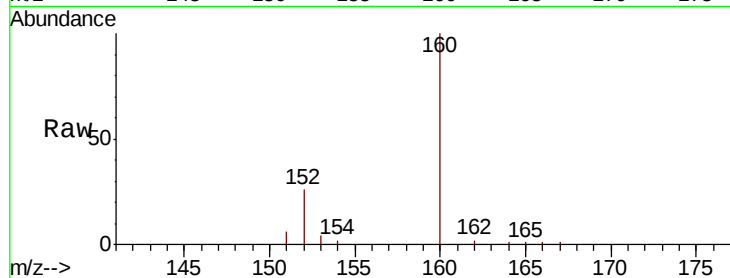
ClientSampleId :

C0AP8

Tot Ion:	152	Resp:	2510
Ion Ratio	Lower	Upper	
152	100		
151	23.6	16.6	24.8
153	16.5	11.4	17.0

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#8

Acenaphthene

Concen: 0.287 ng/ul

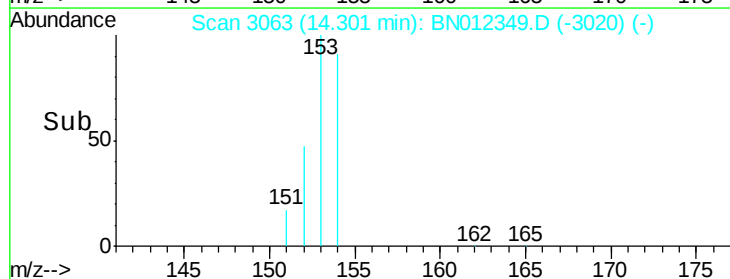
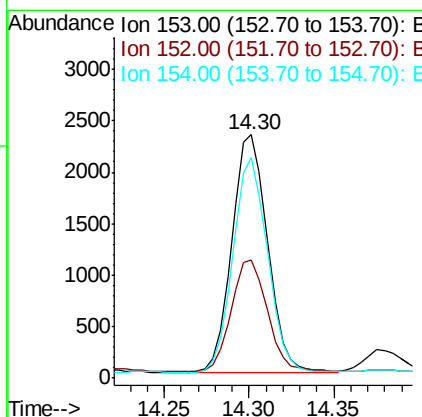
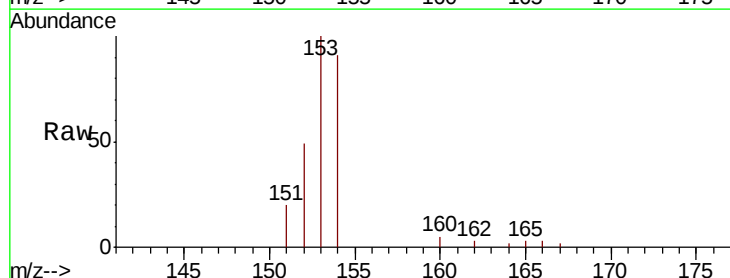
RT: 14.30 min Scan# 3063

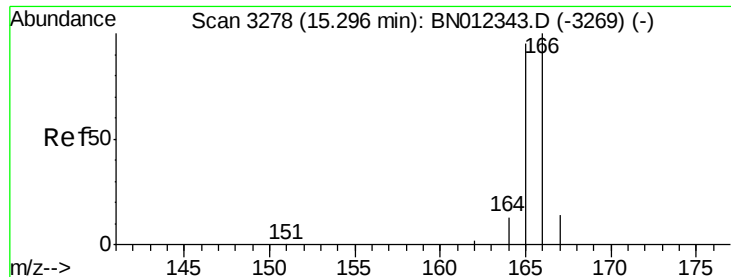
Delta R.T. 0.00 min

Lab File: BN012349.D

Acq: 19 Oct 2020 13:45

Tgt Ion:	153	Resp:	3380
Ion Ratio	Lower	Upper	
153	100		
152	48.6	38.5	57.7
154	90.8	70.7	106.1





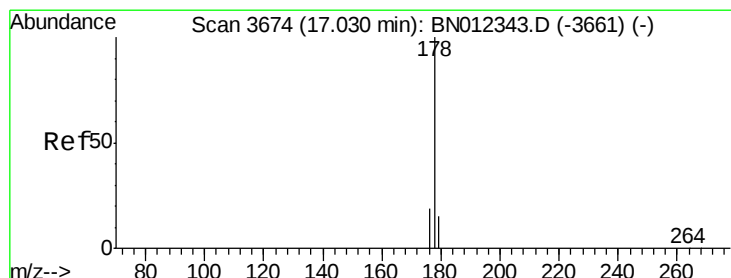
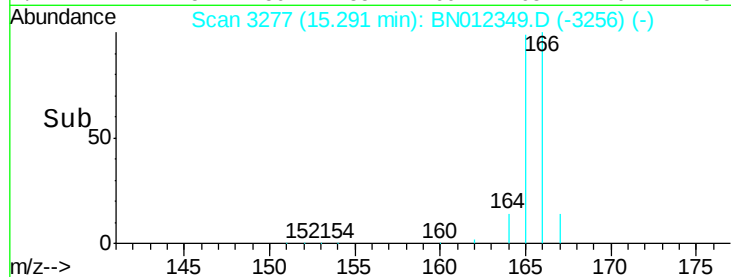
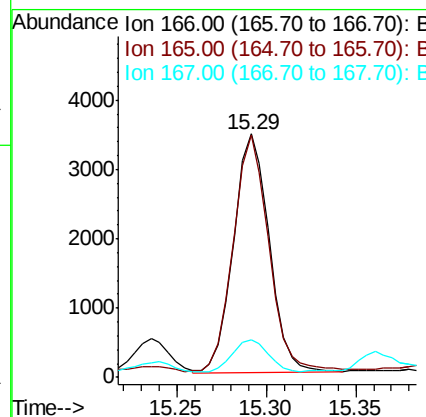
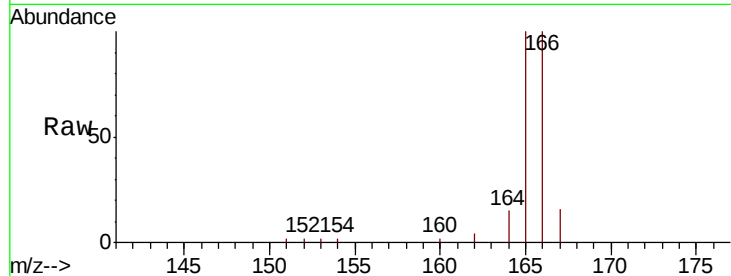
#9
Fluorene
 Concen: 0.363 ng/ul
 RT: 15.29 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: BN012349.D
 Acq: 19 Oct 2020 13:45

Instrument :
 BNA_N
 ClientSampleId :
 C0AP8

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.7	76.3	114.5
167	15.6	12.0	18.0

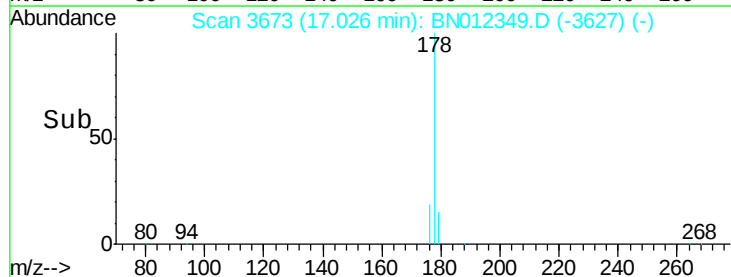
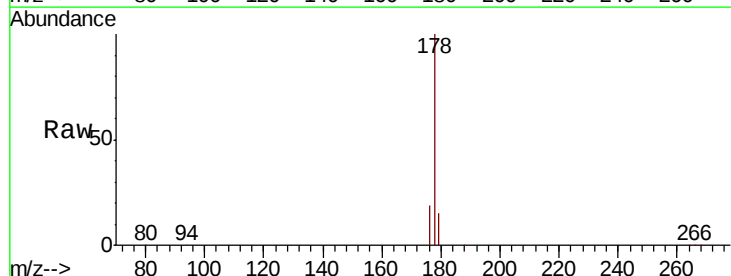
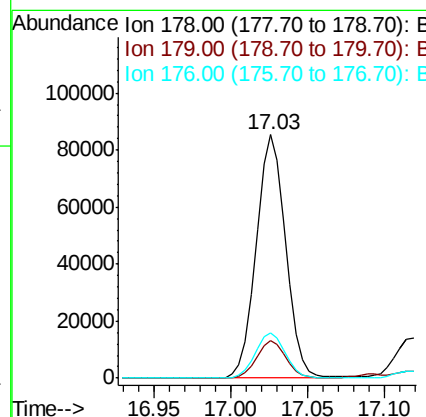
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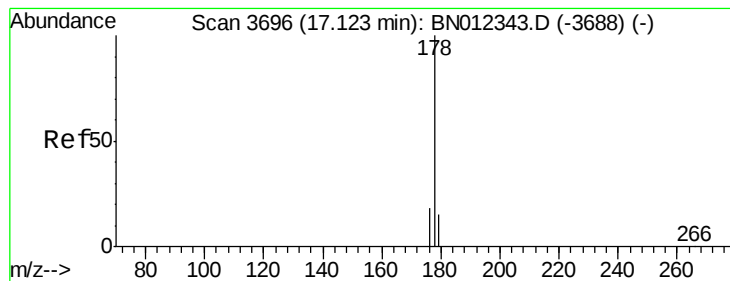
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#12
Phenanthrene
 Concen: 5.434 ng/ul
 RT: 17.03 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: BN012349.D
 Acq: 19 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.1	19.7
176	18.7	15.8	23.8





#13

Anthracene

Concen: 1.070 ng/ul

RT: 17.12 min Scan# 3695

Delta R.T. -0.00 min

Lab File: BN012349.D

Acq: 19 Oct 2020 13:45

Instrument :

BNA_N

ClientSampleId :

C0AP8

Tot Ion:178 Resp: 19365

Ion Ratio Lower Upper

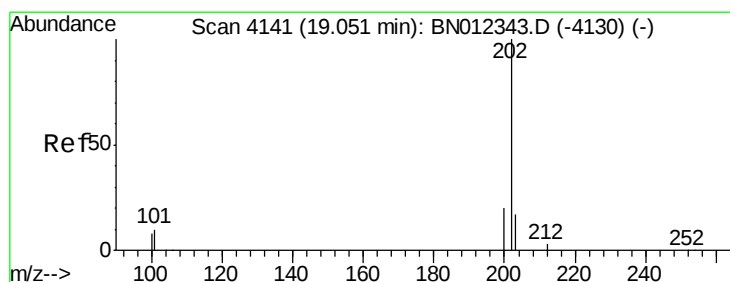
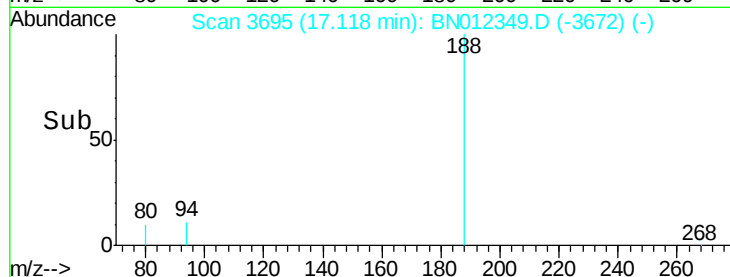
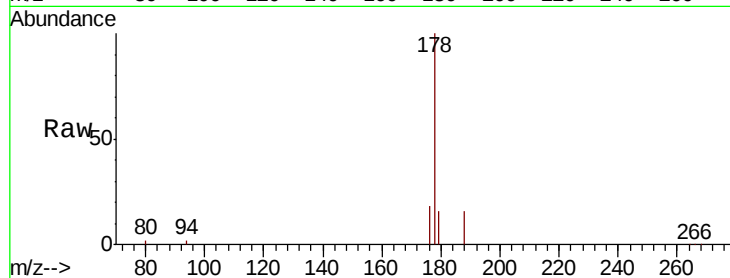
178 100

179 16.2 13.1 19.7

176 18.4 15.4 23.2

Manual Integrations
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#15

Fluoranthene

Concen: 12.747 ng/ul

RT: 19.05 min Scan# 4141

Delta R.T. 0.00 min

Lab File: BN012349.D

Acq: 19 Oct 2020 13:45

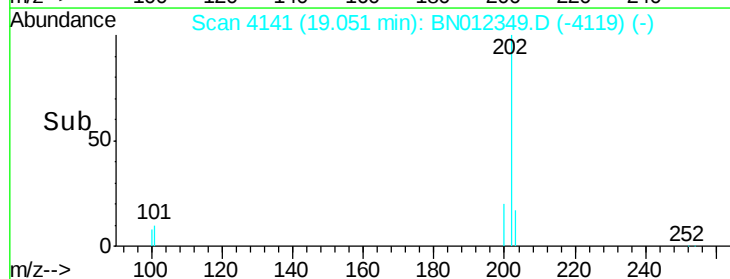
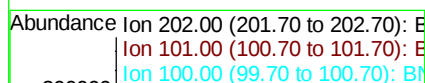
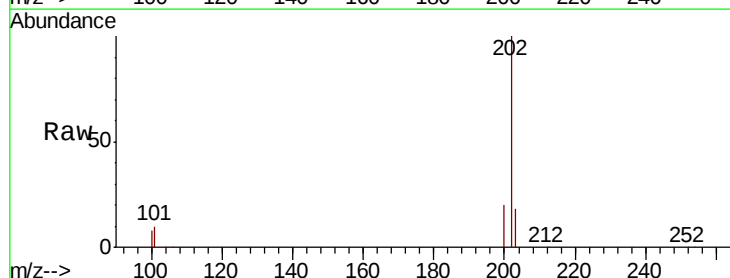
Tgt Ion:202 Resp: 314532

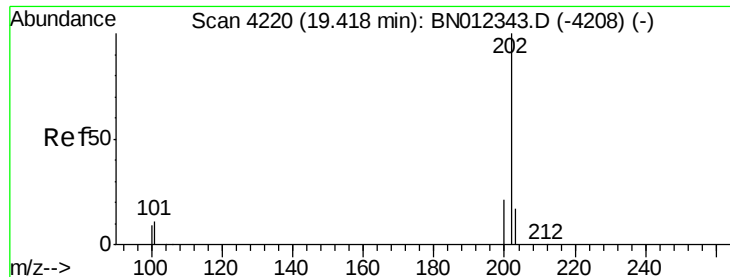
Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.1

100 7.7 0.0 28.7





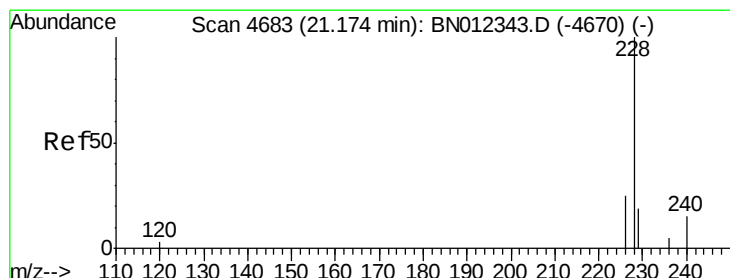
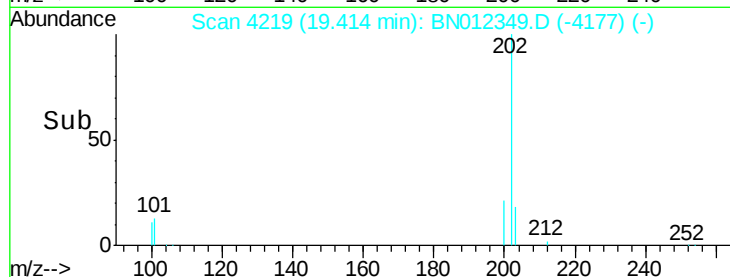
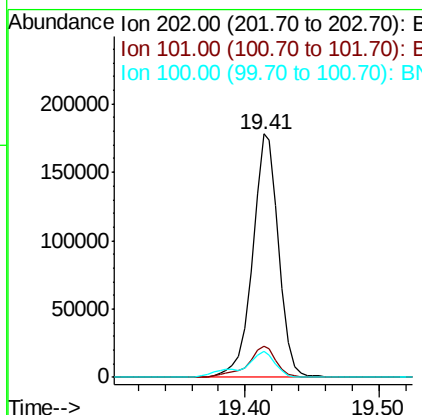
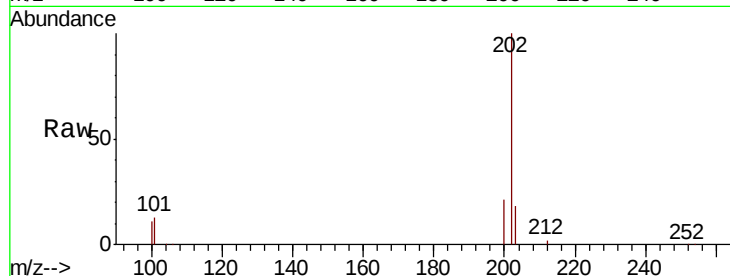
#17
Pvrene
Concen: 8.759 ng/ul
RT: 19.41 min Scan# 4219
Delta R.T. -0.00 min
Lab File: BN012349.D
Acq: 19 Oct 2020 13:45

Instrument :
BNA_N
ClientSampleId :
C0AP8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	9.6	14.4
100	10.7	7.8	11.8

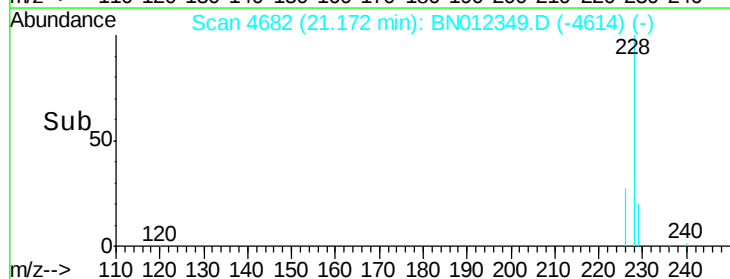
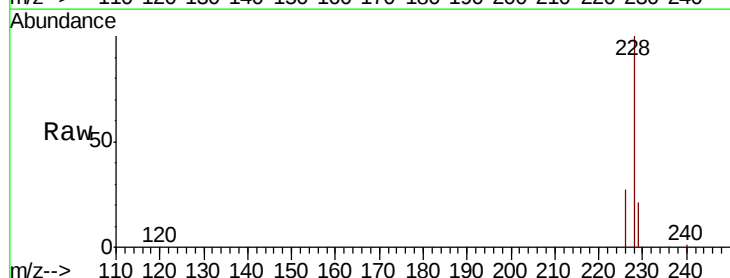
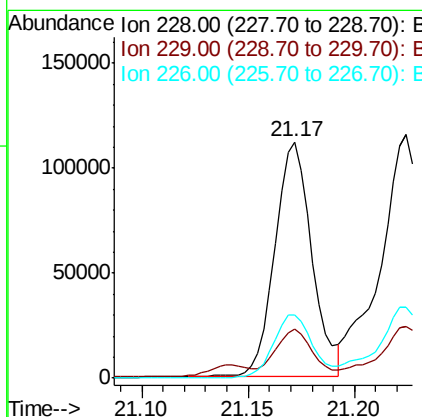
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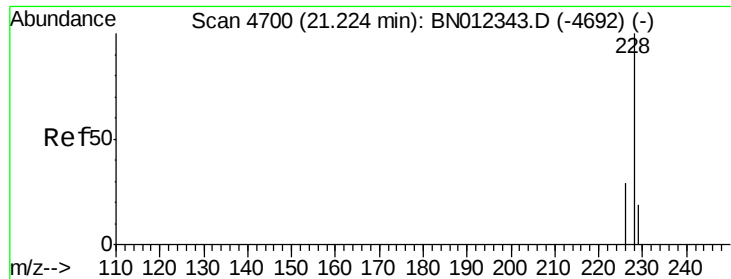
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#18
Benzo(a)anthracene
Concen: 5.996 ng/ul
RT: 21.17 min Scan# 4682
Delta R.T. -0.00 min
Lab File: BN012349.D
Acq: 19 Oct 2020 13:45

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.5	16.2	24.4
226	27.0	21.2	31.8





#19

Chrysene

Concen: 5.859 ng/ul

RT: 21.22 min Scan# 4700

Delta R.T. 0.00 min

Lab File: BN012349.D

Acq: 19 Oct 2020 13:45

Instrument :

BNA_N

ClientSampled :

C0AP8

Tot Ion:228 Resp: 160789

Ion Ratio Lower Upper

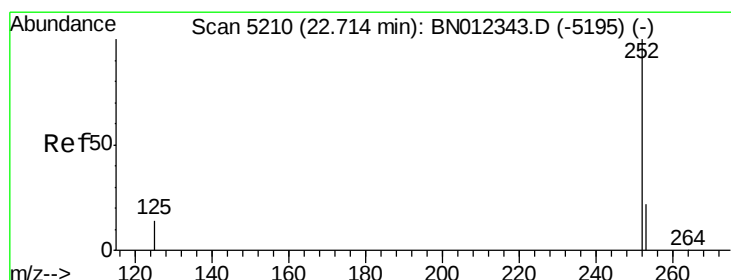
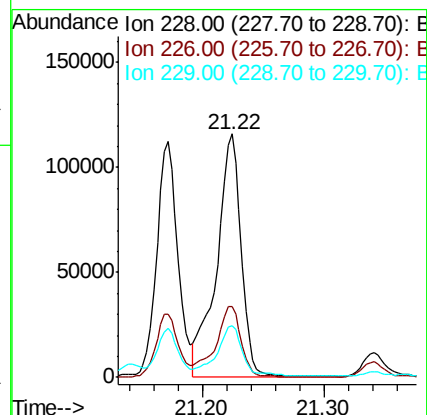
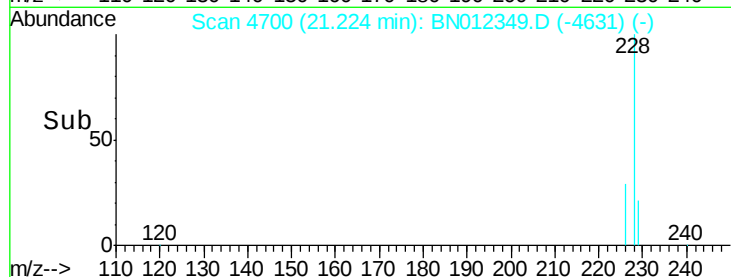
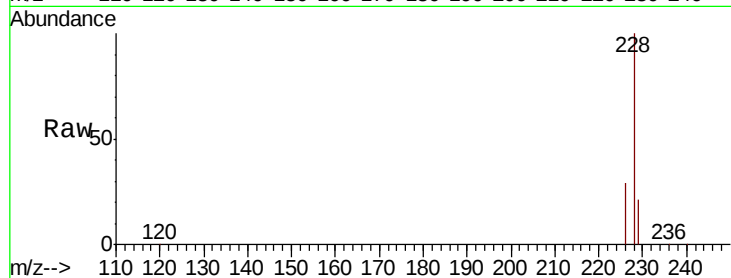
228 100

226 29.1 23.8 35.6

229 21.4 15.8 23.8

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#21

Benzo(b)fluoranthene

Concen: 10.790 ng/ul m

RT: 22.71 min Scan# 5210

Delta R.T. 0.00 min

Lab File: BN012349.D

Acq: 19 Oct 2020 13:45

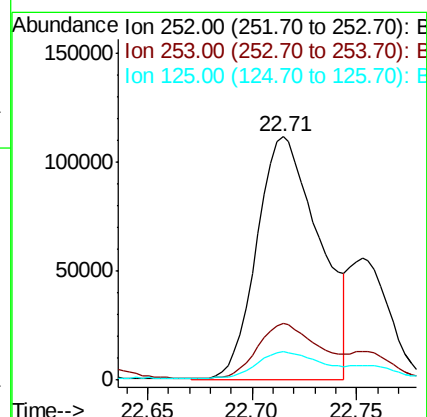
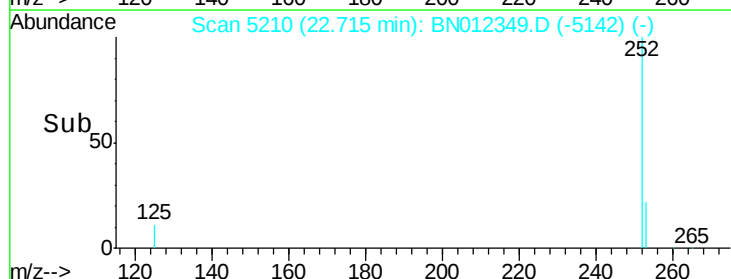
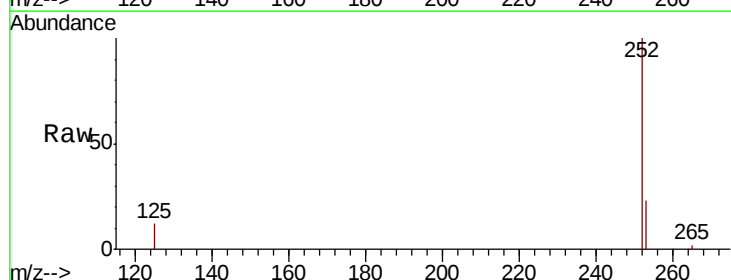
Tgt Ion:252 Resp: 233604

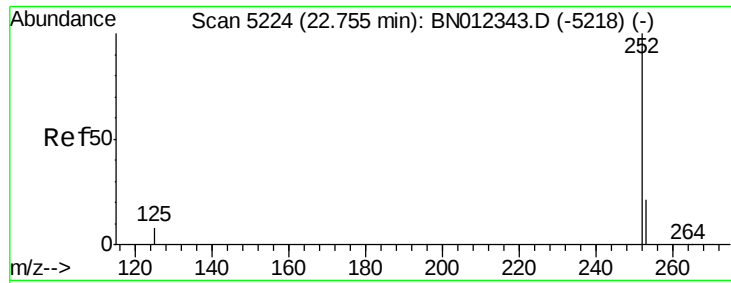
Ion Ratio Lower Upper

252 100

253 23.1 0.0 56.4

125 11.5 0.0 37.8





#22

Benzo(k)fluoranthene

Concen: 3.114 ng/ul m

RT: 22.75 min Scan# 5223

Delta R.T. -0.00 min

Lab File: BN012349.D

Acq: 19 Oct 2020 13:45

Instrument :

BNA_N

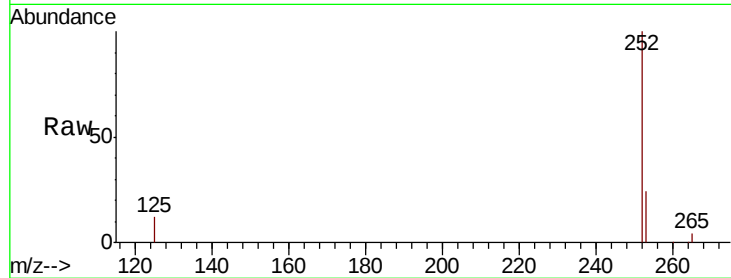
ClientSampled :

C0AP8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	22.2	33.4
125	12.2	11.0	16.4

Manual Integrations
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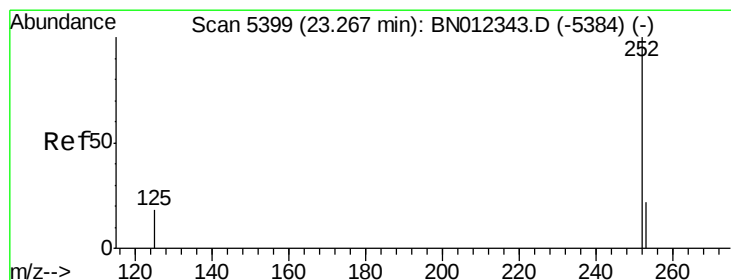
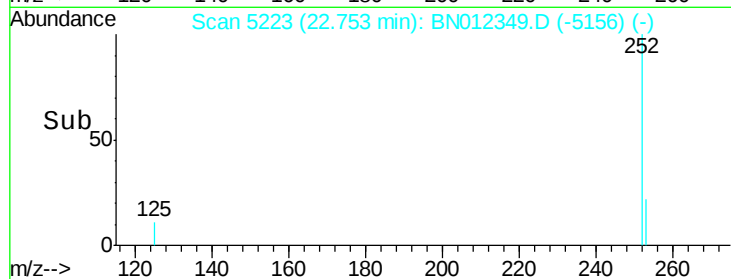
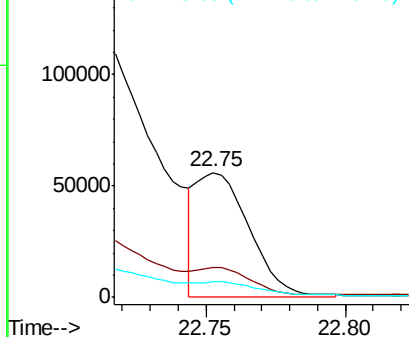


Abundance

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



#23

Benzo(a)pyrene

Concen: 6.098 ng/ul

RT: 23.27 min Scan# 5399

Delta R.T. 0.00 min

Lab File: BN012349.D

Acq: 19 Oct 2020 13:45

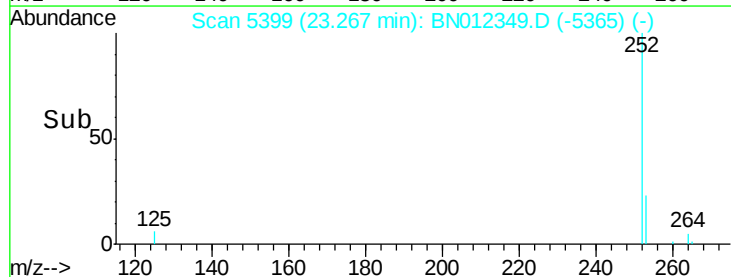
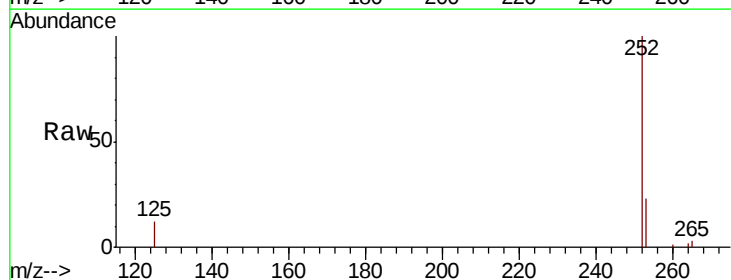
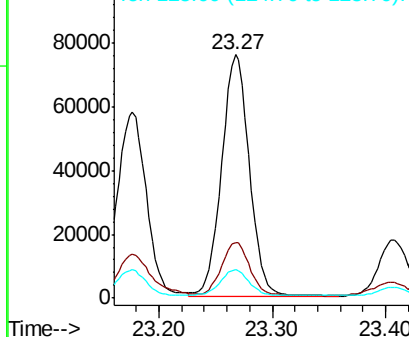
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	23.8	35.6#
125	11.7	19.3	28.9#

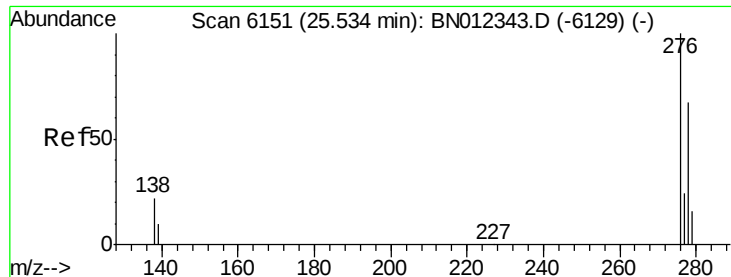
Abundance

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





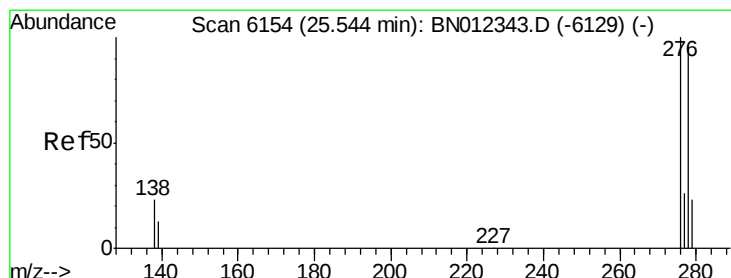
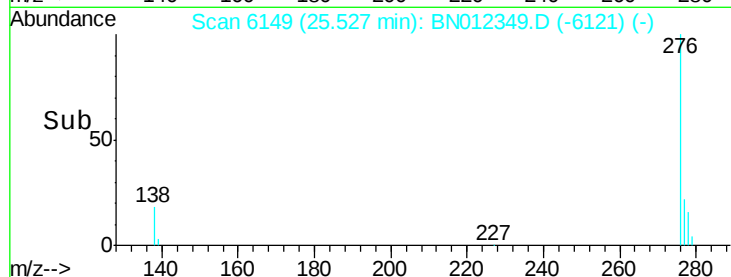
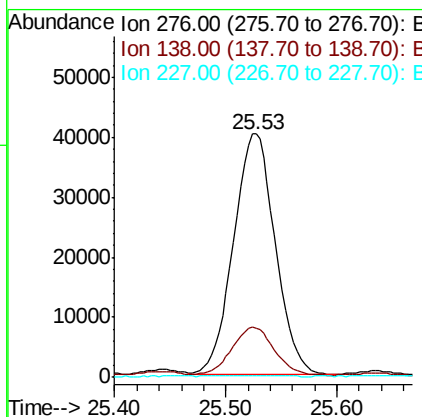
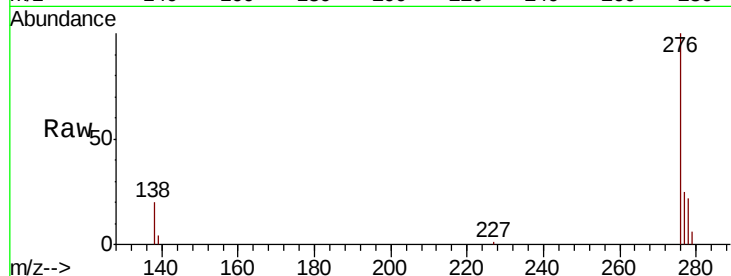
#24
Indeno(1,2,3-cd)pyrene
Concen: 3.843 ng/uL
RT: 25.53 min Scan# 6149
Delta R.T. -0.01 min
Lab File: BN012349.D
Acq: 19 Oct 2020 13:45

Instrument :
BNA_N
ClientSampled :
C0AP8

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	17.0	25.6
227	0.2	0.1	0.1#

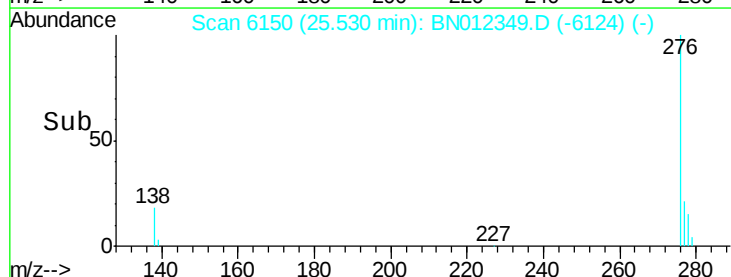
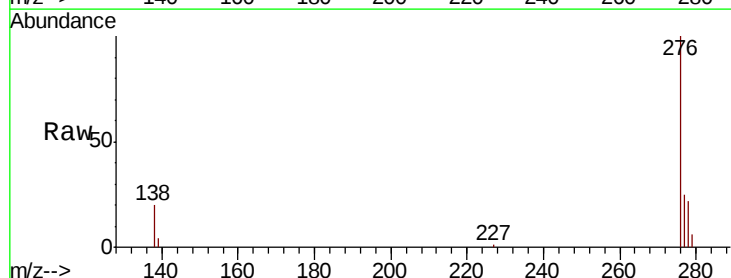
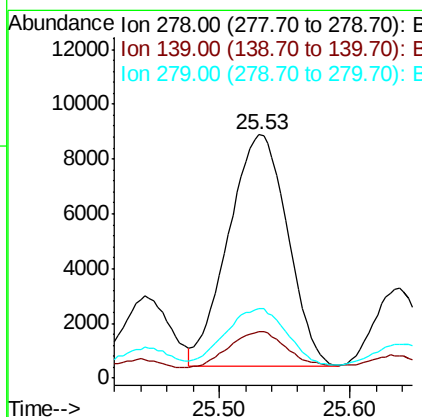
Manual Integrations
APPROVED

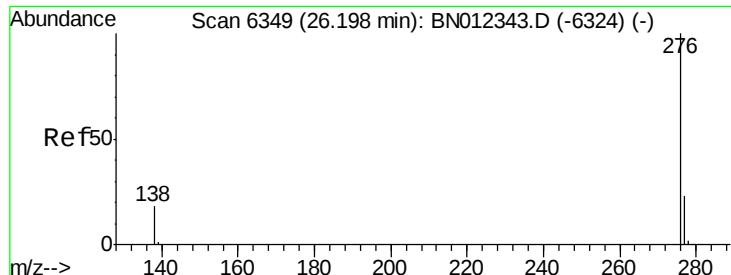
Sohil
10/20/2020 9:35:46 AM



#25
Dibenzo(a,h)anthracene
Concen: 1.224 ng/uL
RT: 25.53 min Scan# 6150
Delta R.T. -0.01 min
Lab File: BN012349.D
Acq: 19 Oct 2020 13:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	13.8	20.8
279	28.5	23.8	35.8





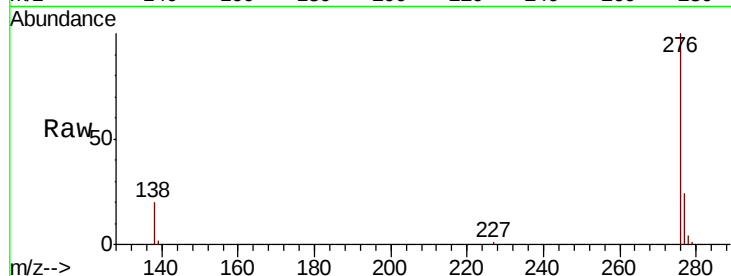
#26
 Benzo(a,h,i)perylene
 Concen: 3.581 ng/ul
 RT: 26.19 min Scan# 6347
 Delta R.T. -0.01 min
 Lab File: BN012349.D
 Acq: 19 Oct 2020 13:45

Instrument :
 BNA_N
 ClientSampleId :
 C0AP8

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.6	24.8
277	24.2	20.7	31.1

Manual Integrations
 APPROVED

Sohil
 10/20/2020 9:35:46 AM



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

