

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
 Data File : BN006302.D
 Acq On : 13 Jun 2019 09:38
 Operator : JU/SJ
 Sample : K3083-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51F6

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:48:59 AM

Quant Time: Jun 13 16:48:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 11:20:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	4869	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	19401	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	11106	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	30397m	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	11703m	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	13693m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	7374	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	14317m	0.18	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.47	128	180935	3.380	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	63731	1.708	ng/ul	99
7) Acenaphthylene	14.01	152	11141	0.180	ng/ul#	87
8) Acenaphthene	14.36	153	272162	6.355	ng/ul	99
9) Fluorene	15.35	166	247340	4.936	ng/ul	99
11) Pentachlorophenol	16.71	266	373m	0.048	ng/ul	
12) Phenanthrene	17.09	178	2581445m	26.456	ng/ul	
13) Anthracene	17.18	178	606023m	6.503	ng/ul	
15) Fluoranthene	19.12	202	2954955m	27.426	ng/ul	
17) Pyrene	19.49	202	2371952	38.478	ng/ul	98
18) Benzo(a)anthracene	21.25	228	1192652m	23.042	ng/ul	
19) Chrysene	21.30	228	1104768	22.736	ng/ul	98
21) Benzo(b)fluoranthene	22.84	252	1385337m	24.263	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	474409m	8.530	ng/ul	
23) Benzo(a)pyrene	23.41	252	958966m	18.034	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.75	276	613300	10.655	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.75	278	166995m	3.629	ng/ul	
26) Benzo(g,h,i)perylene	26.43	276	560396	11.624	ng/ul	95

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

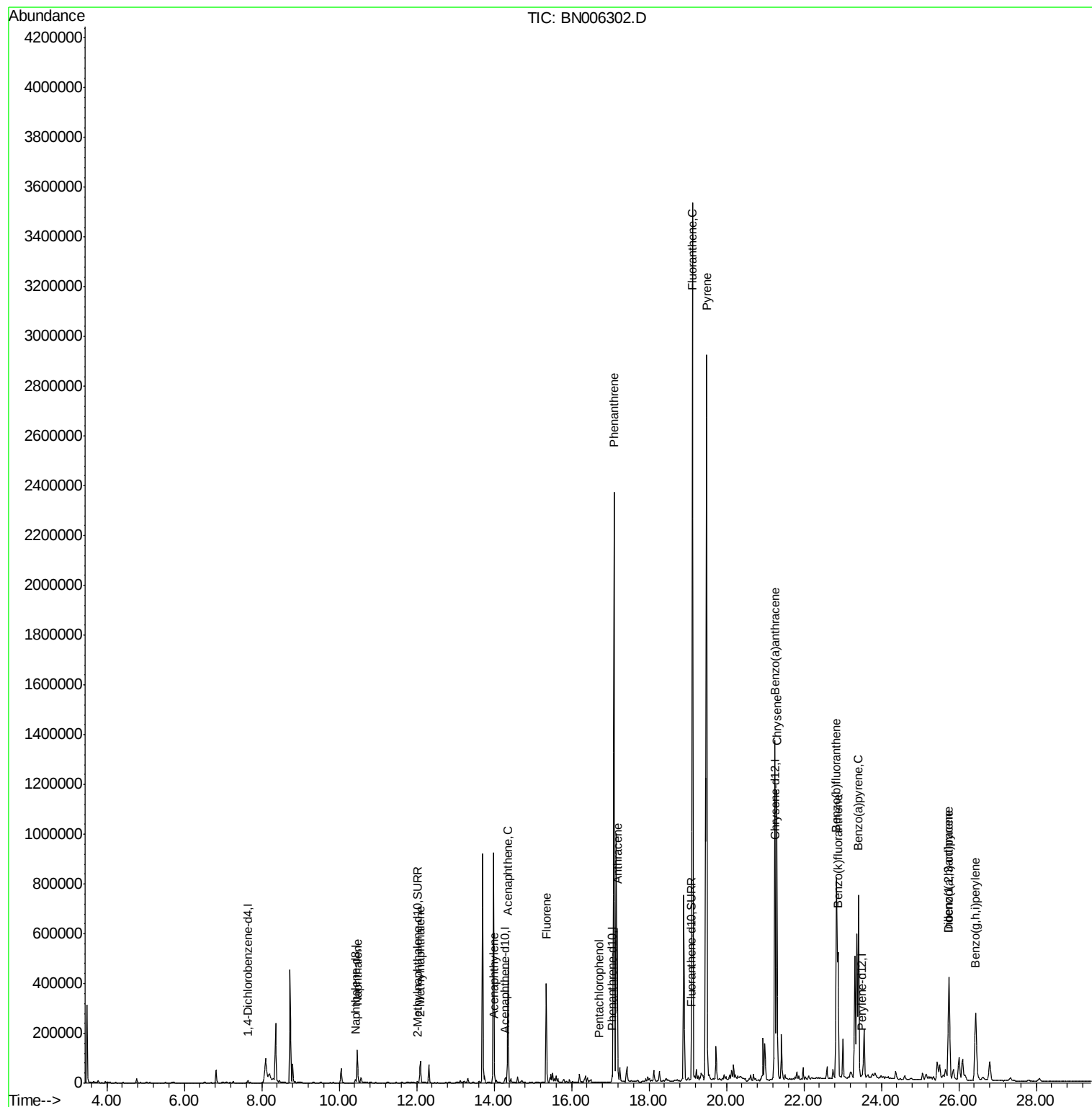
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006302.D
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Sample : K3083-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

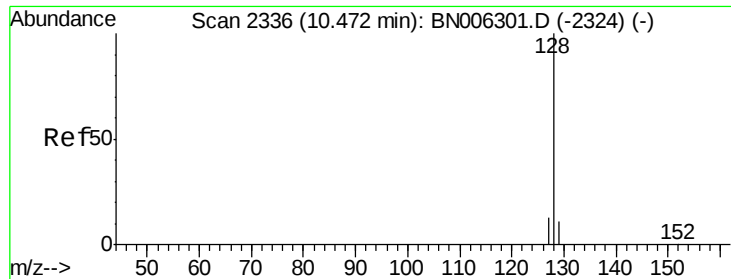
Instrument :
BNA_N
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A51F6

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
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QLast Update : Thu Jun 13 11:20:30 2019
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#3

Naphthalene

Concen: 3.380 ng/ul

RT: 10.47 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Instrument :

BNA_N

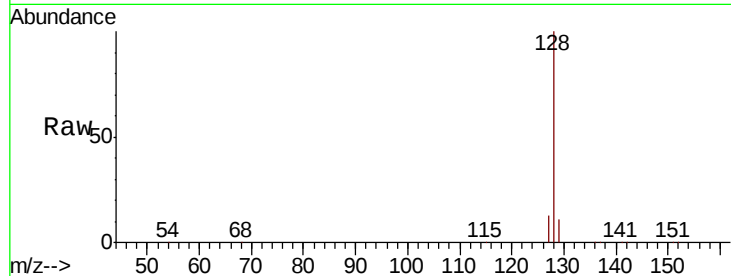
ClientSampleId :

A51F6

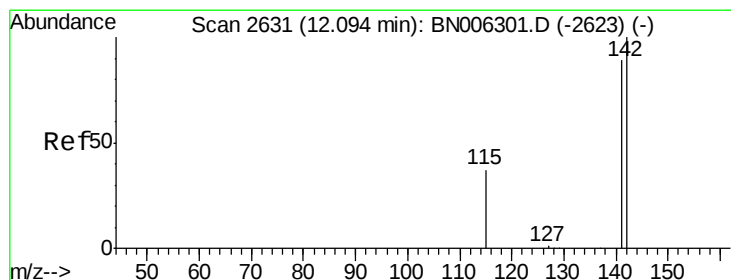
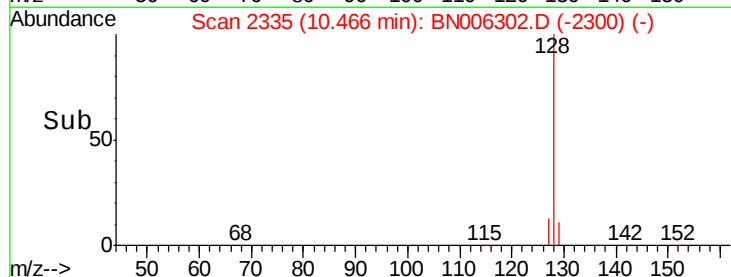
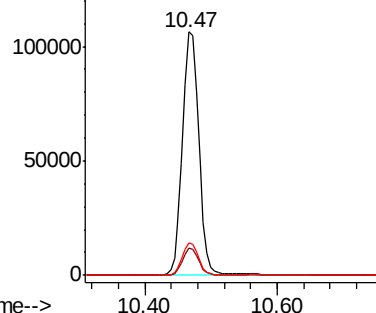
Tot Ion:	128	Resp:	180935
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.3	13.9
127	13.2	10.7	16.1

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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: 1.708 ng/ul

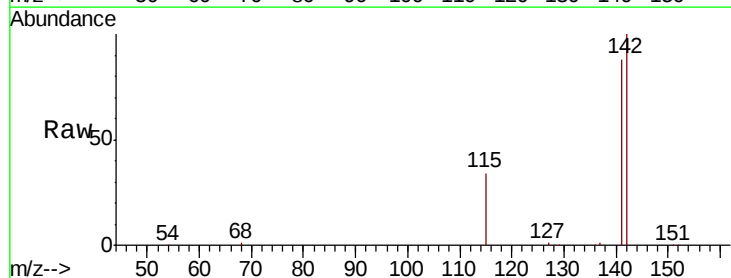
RT: 12.09 min Scan# 2631

Delta R.T. -0.00 min

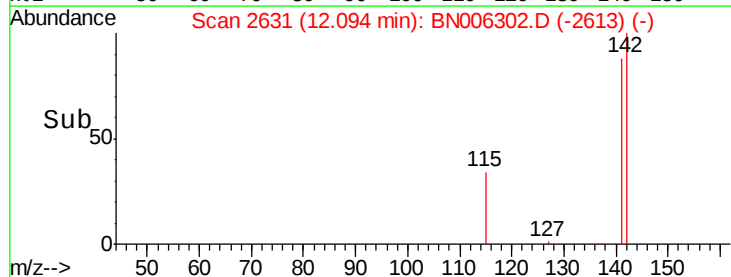
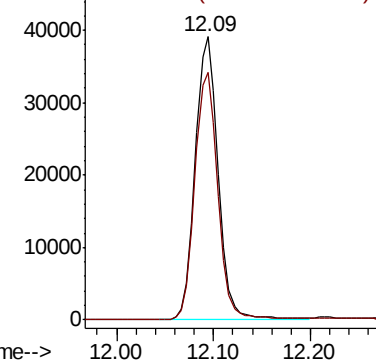
Lab File: BN006302.D

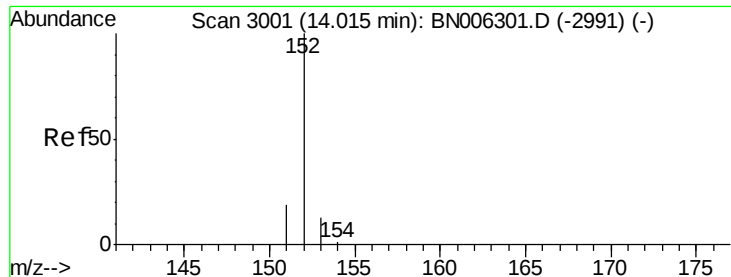
Acq: 13 Jun 2019 09:38

Tgt Ion:	142	Resp:	63731
Ion Ratio	Lower	Upper	
142	100		
141	88.8	70.3	105.5



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: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Instrument :

BNA_N

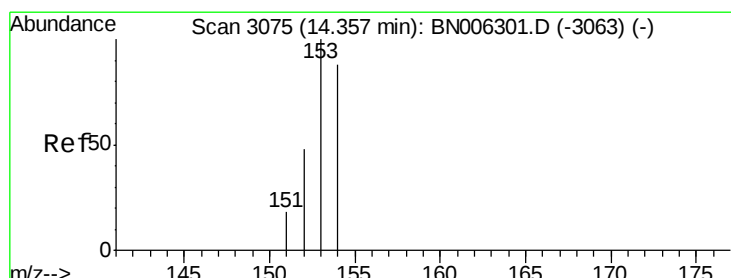
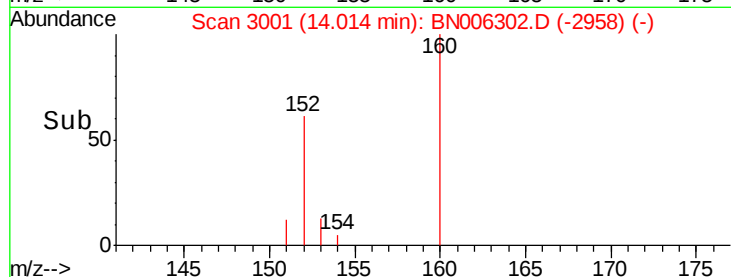
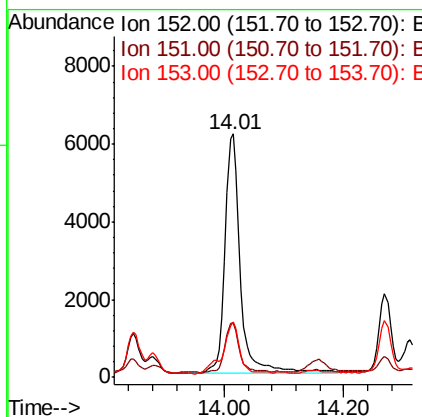
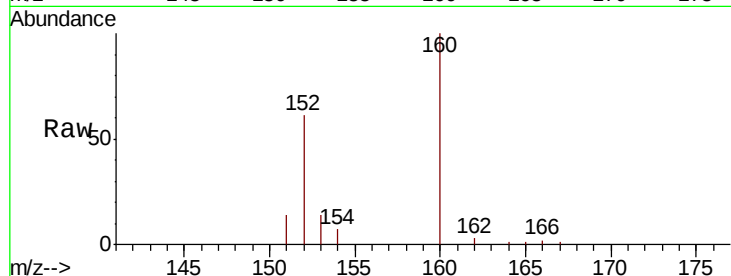
ClientSampleId :

A51F6

Tot Ion:	152	Resp:	11141
Ion Ratio	Lower	Upper	
152	100		
151	22.3	15.8	23.8
153	23.0	10.8	16.2#

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#8

Acenaphthene

Concen: 6.355 ng/ul

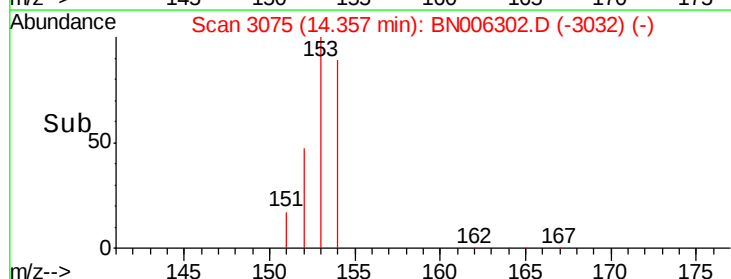
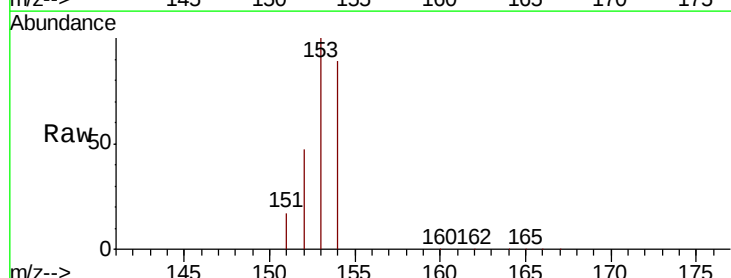
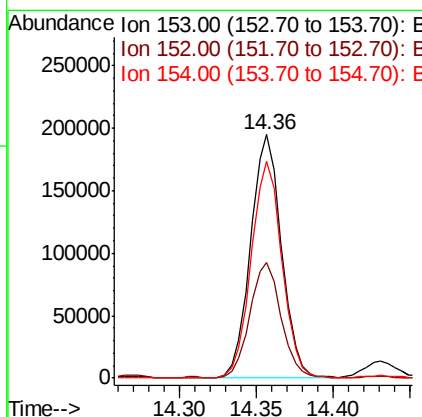
RT: 14.36 min Scan# 3075

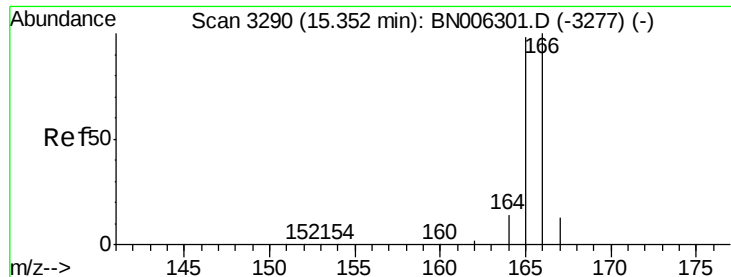
Delta R.T. -0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Tgt Ion:	153	Resp:	272162
Ion Ratio	Lower	Upper	
153	100		
152	47.3	39.1	58.7
154	89.0	71.1	106.7





#9

Fluorene

Concen: 4.936 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Instrument :

BNA_N

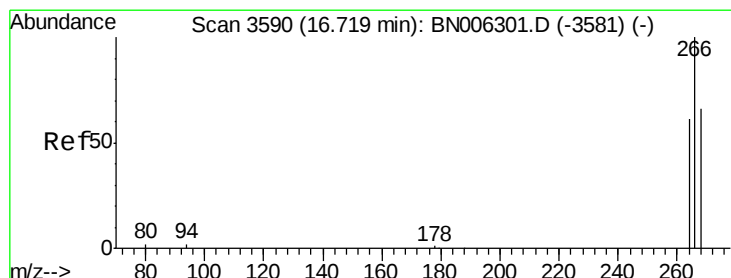
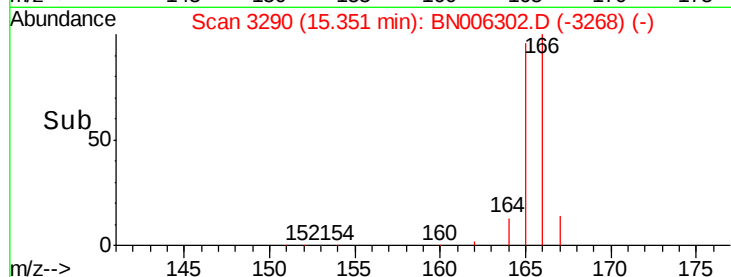
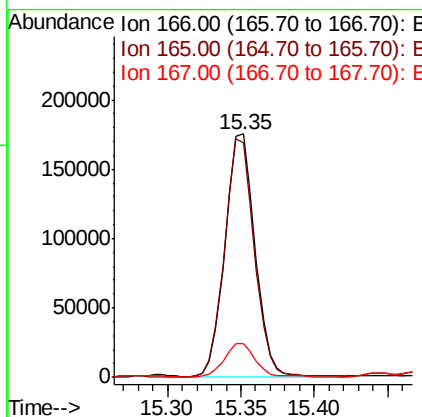
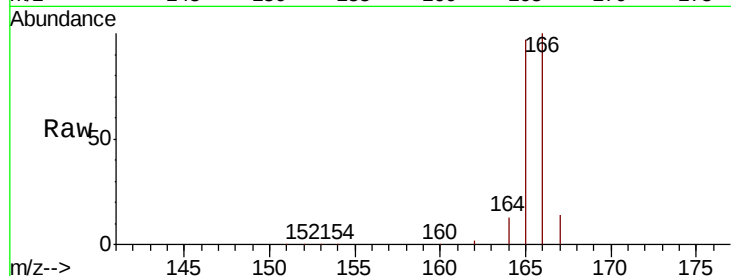
ClientSampleId :

A51F6

Tot Ion:	166	Resp:	247340
Ion Ratio	Lower	Upper	
166	100		
165	96.5	76.4	114.6
167	13.9	11.0	16.6

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#11

Pentachlorophenol

Concen: 0.048 ng/ul m

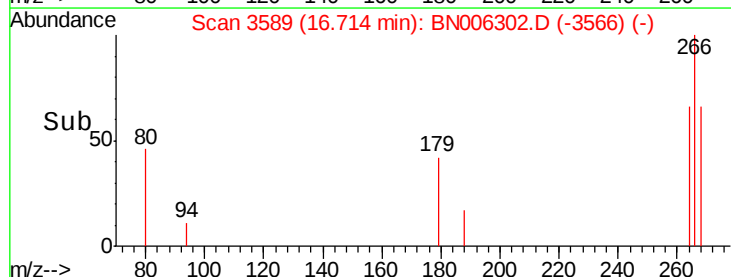
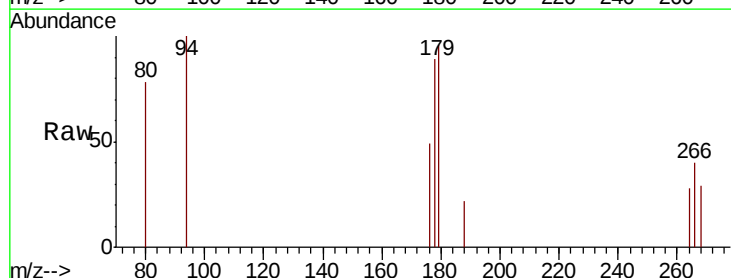
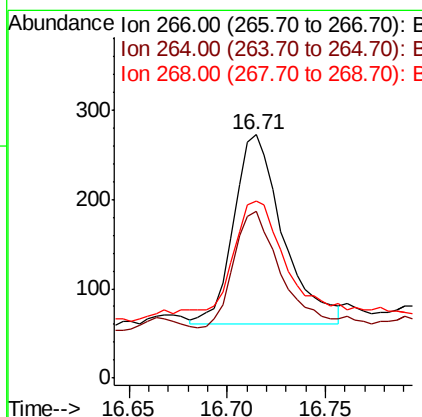
RT: 16.71 min Scan# 3589

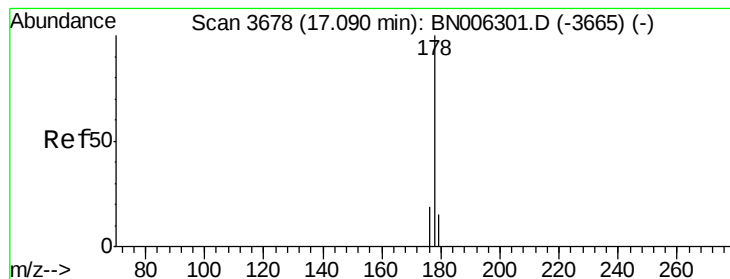
Delta R.T. -0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Tgt Ion:	266	Resp:	373
Ion Ratio	Lower	Upper	
266	100		
264	0.0	50.3	75.5#
268	1.1	51.3	76.9#





#12

Phenanthrene

Concen: 26.456 ng/ul m

RT: 17.09 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Instrument :

BNA_N

ClientSampleId :

A51F6

Tot Ion:178 Resp: 2581445

Ion Ratio Lower Upper

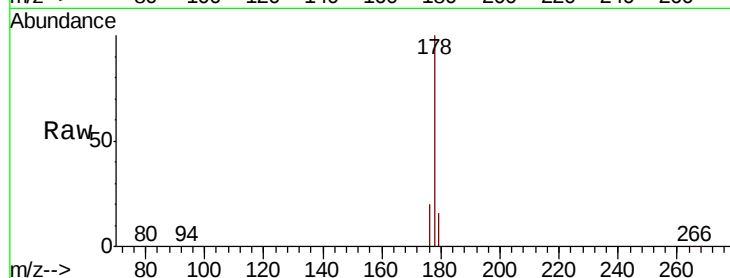
178 100

179 16.0 12.3 18.5

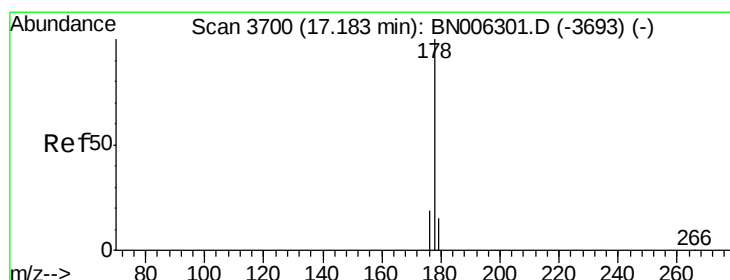
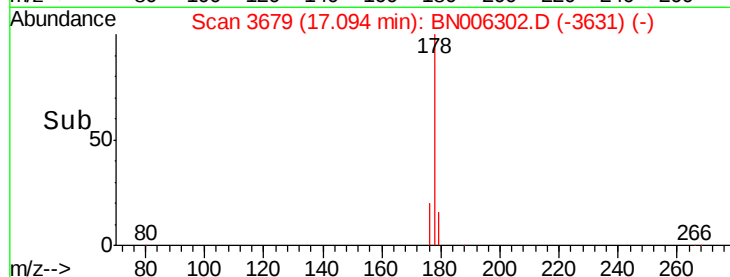
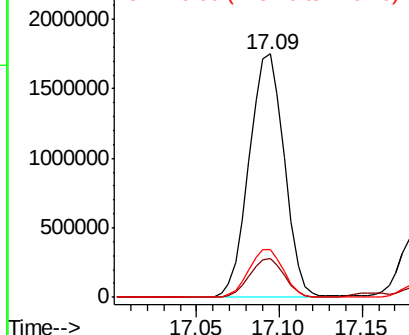
176 19.6 15.3 22.9

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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



#13

Anthracene

Concen: 6.503 ng/ul m

RT: 17.18 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

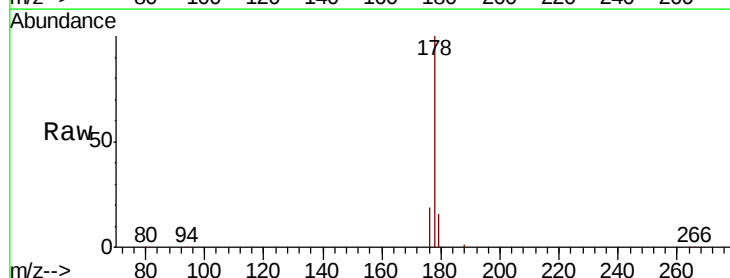
Tgt Ion:178 Resp: 606023

Ion Ratio Lower Upper

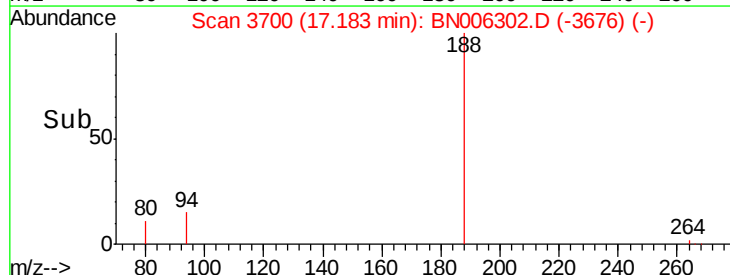
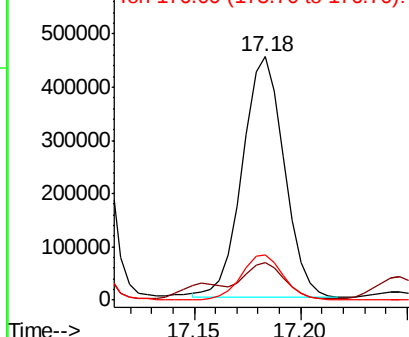
178 100

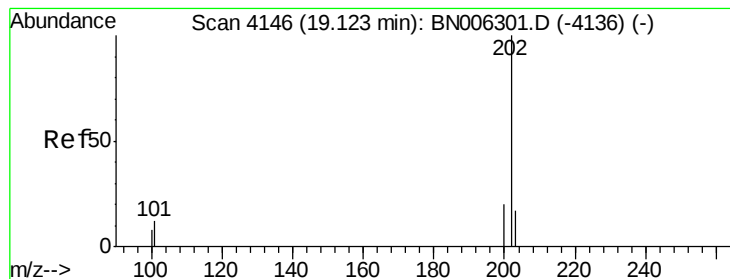
179 15.7 12.2 18.4

176 18.5 15.1 22.7



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: 27.426 ng/ul m

RT: 19.12 min Scan# 4146

Delta R.T. -0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Instrument :

BNA_N

ClientSampled :

A51F6

Tot Ion:202 Resp: 2954955

Ion Ratio Lower Upper

202 100

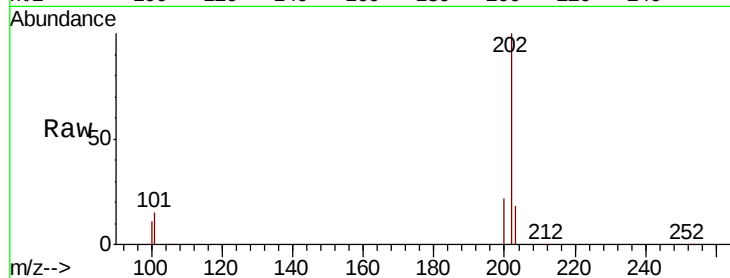
101 14.5 0.0 32.1

100 10.7 0.0 28.7

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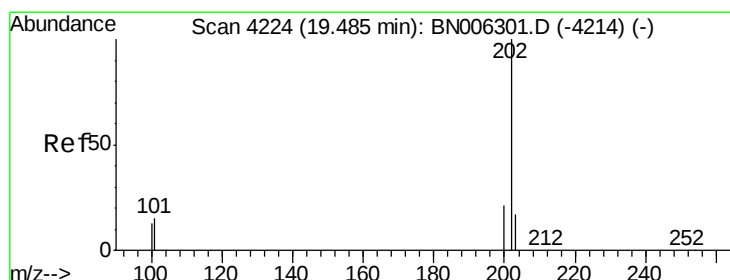
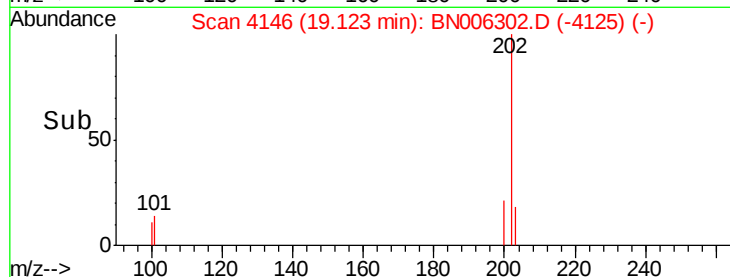
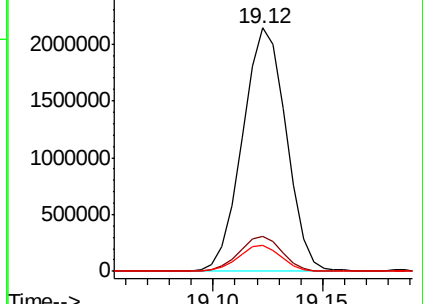
6/14/2019 8:48:59 AM



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

Pyrene

Concen: 38.478 ng/ul

RT: 19.49 min Scan# 4225

Delta R.T. 0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Tgt Ion:202 Resp: 2371952

Ion Ratio Lower Upper

202 100

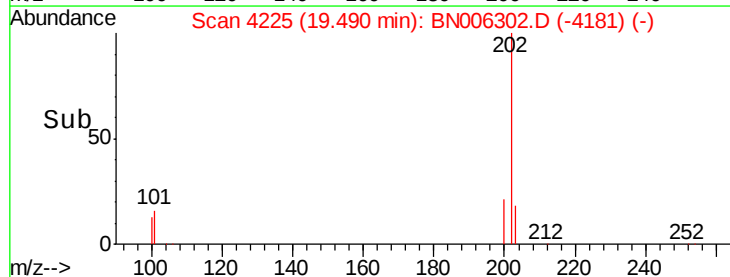
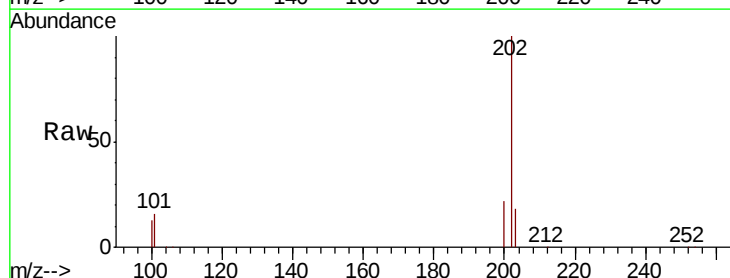
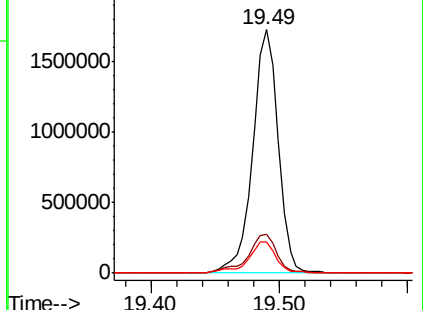
101 16.1 12.2 18.2

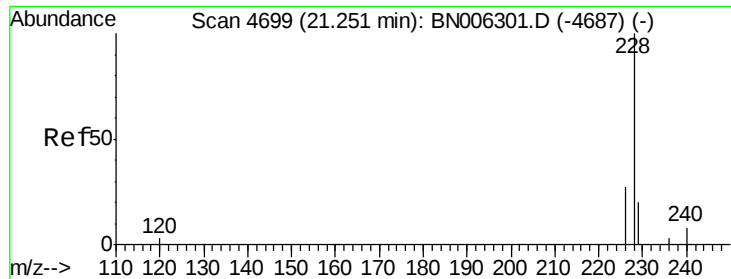
100 12.9 9.8 14.6

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: 23.042 ng/ul

RT: 21.25 min Scan# 4699

Delta R.T. 0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Instrument :

BNA_N

ClientSampleId :

A51F6

Tot Ion:228 Resp: 1192652

Ion Ratio Lower Upper

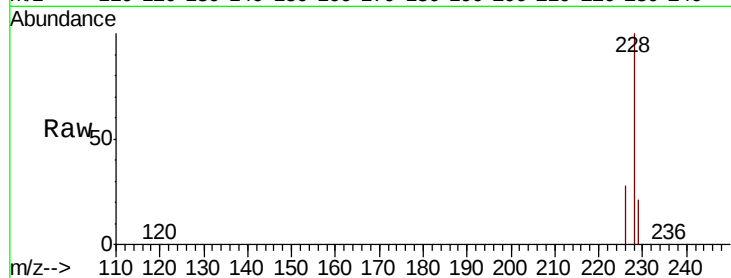
228 100

229 20.8 16.5 24.7

226 28.1 22.8 34.2

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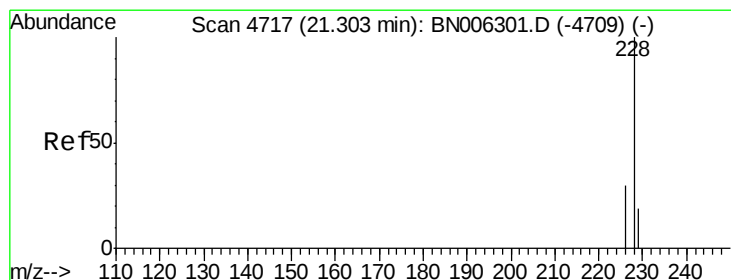
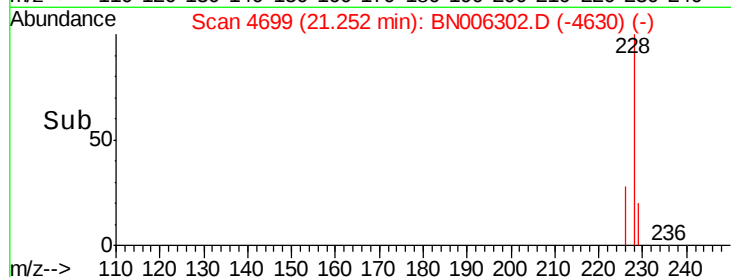
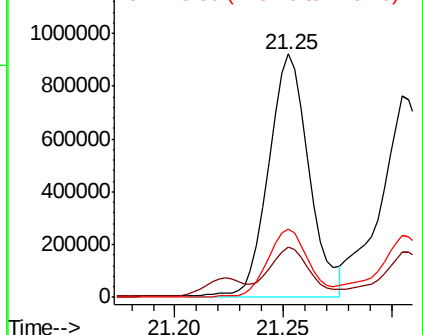


Abundance

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: 22.736 ng/ul

RT: 21.30 min Scan# 4717

Delta R.T. 0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Tgt Ion:228 Resp: 1104768

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

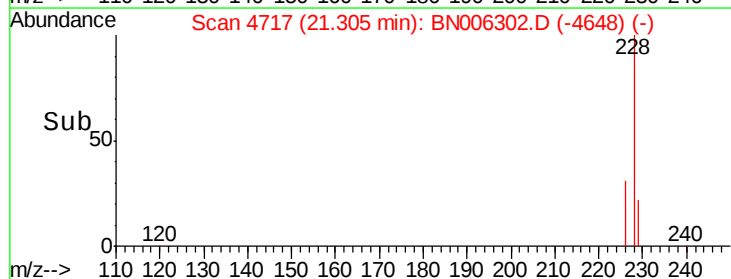
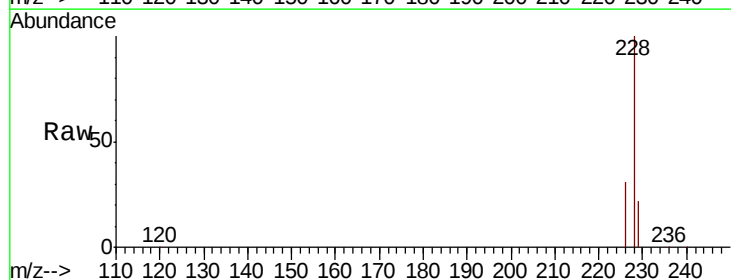
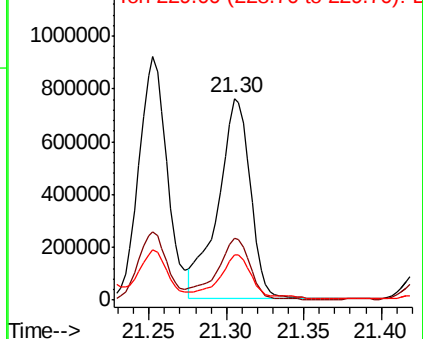
229 22.4 16.3 24.5

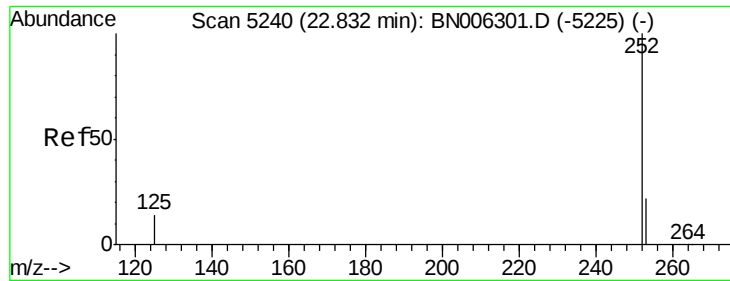
Abundance

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: 24.263 ng/ul m

RT: 22.84 min Scan# 5243

Delta R.T. 0.01 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Instrument :

BNA_N

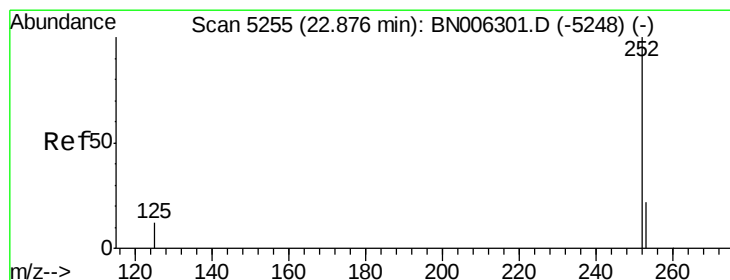
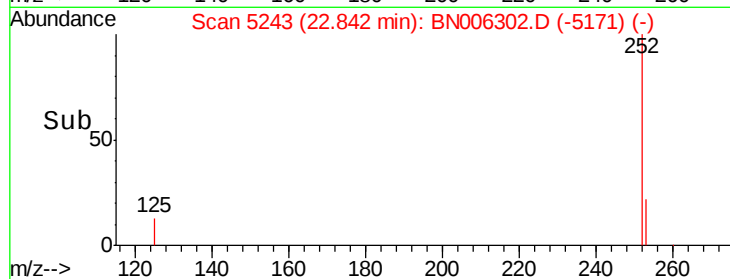
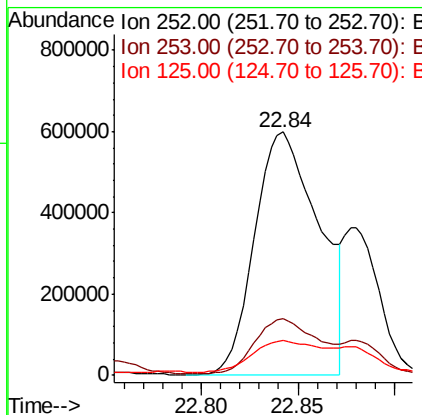
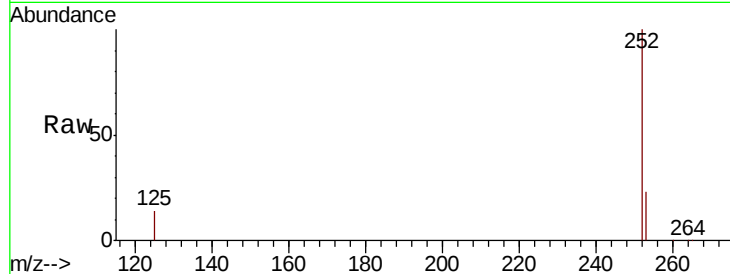
ClientSampleId :

A51F6

Tot Ion:252	Resp: 1385337
Ion Ratio	Lower Upper
252 100	
253 23.1	0.0 51.4
125 14.2	0.0 41.0

Manual Integrations
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#22

Benzo(k)fluoranthene

Concen: 8.530 ng/ul m

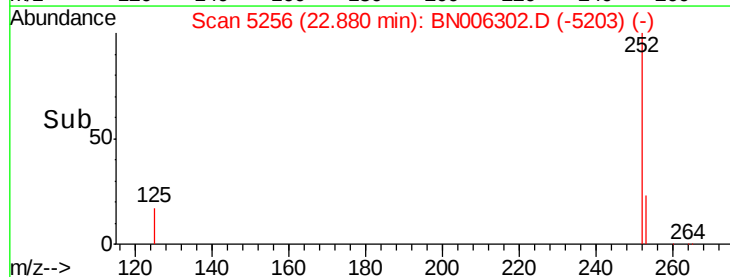
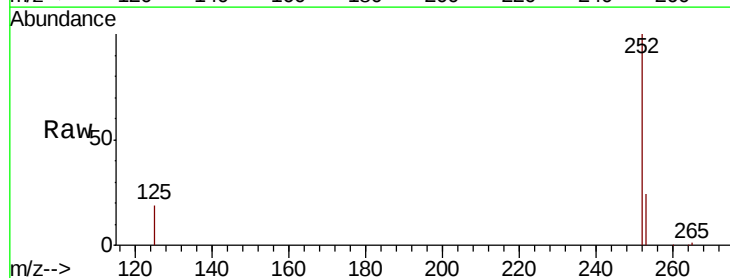
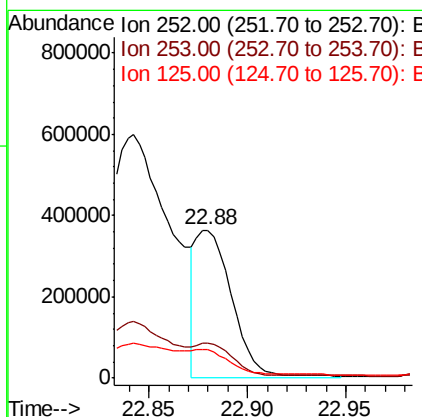
RT: 22.88 min Scan# 5256

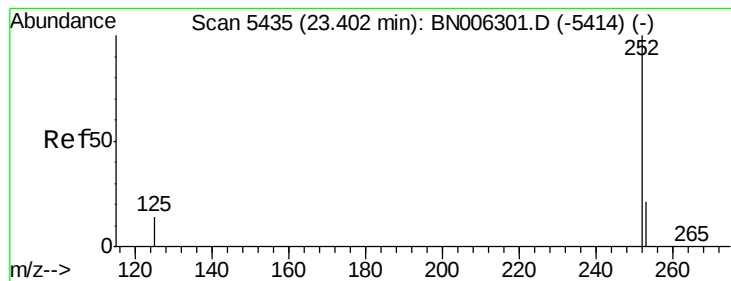
Delta R.T. 0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Tgt Ion:252	Resp: 474409
Ion Ratio	Lower Upper
252 100	
253 23.9	20.3 30.5
125 19.0	14.3 21.5





#23

Benzo(a)pyrene

Concen: 18.034 ng/ul m

RT: 23.41 min Scan# 5438

Delta R.T. 0.01 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Instrument :

BNA_N

ClientSampleId :

A51F6

Tot Ion:252 Resp: 958966

Ion Ratio Lower Upper

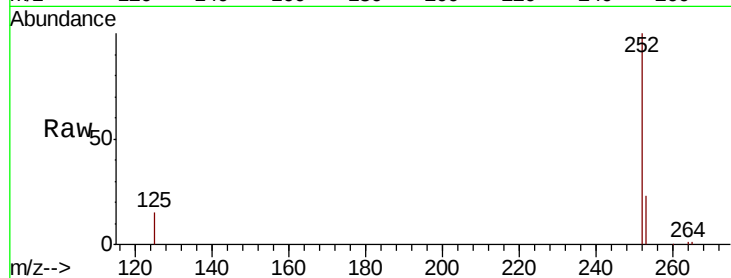
252 100

253 23.3 21.1 31.7

125 14.6 20.3 30.5#

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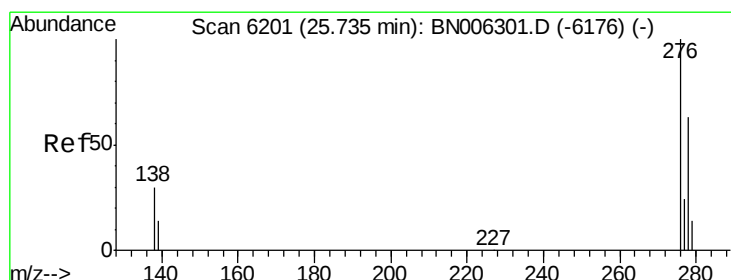
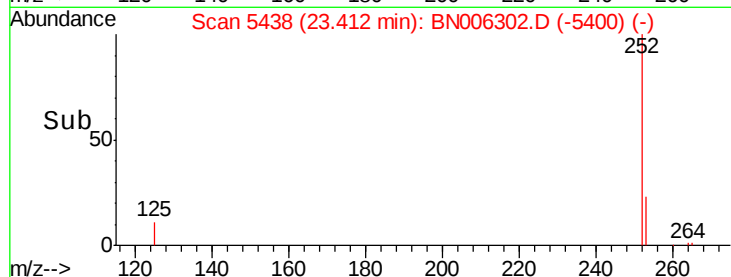
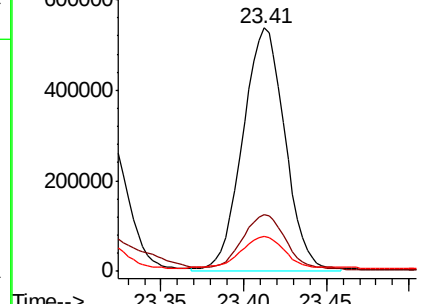
mohammad
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 10.655 ng/ul

RT: 25.75 min Scan# 6204

Delta R.T. 0.01 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Tgt Ion:276 Resp: 613300

Ion Ratio Lower Upper

276 100

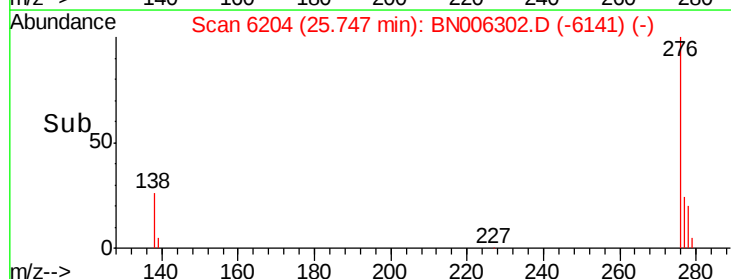
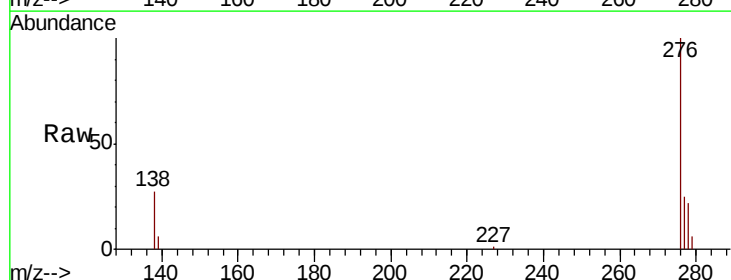
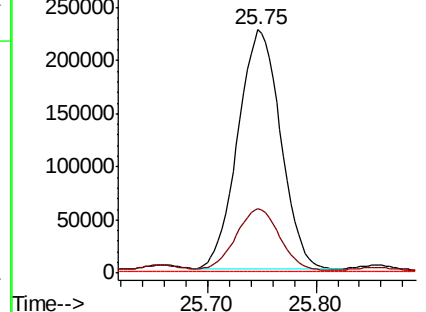
138 26.2 25.6 38.4

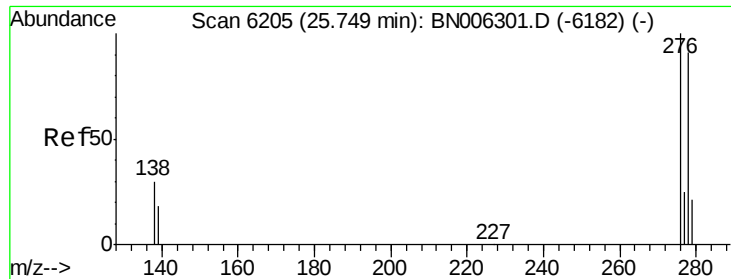
227 0.2 0.3 0.5#

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 3.629 ng/ul m

RT: 25.75 min Scan# 6205

Delta R.T. 0.00 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Instrument :

BNA_N

ClientSampleId :

A51F6

Tot Ion:278 Resp: 166995

Ion Ratio Lower Upper

278 100

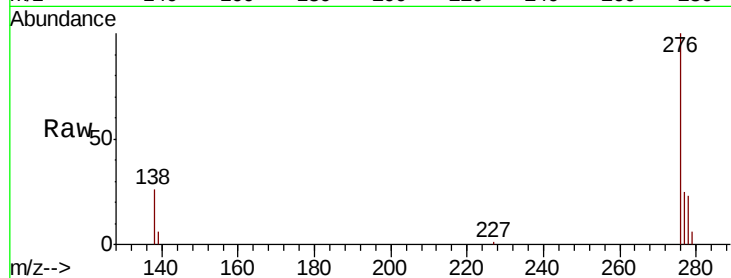
139 25.1 21.2 31.8

279 28.2 22.6 33.8

Manual Integrations
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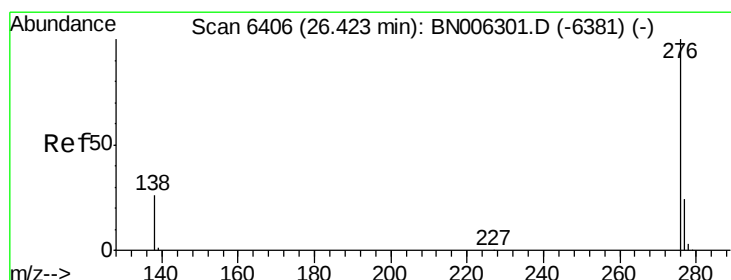
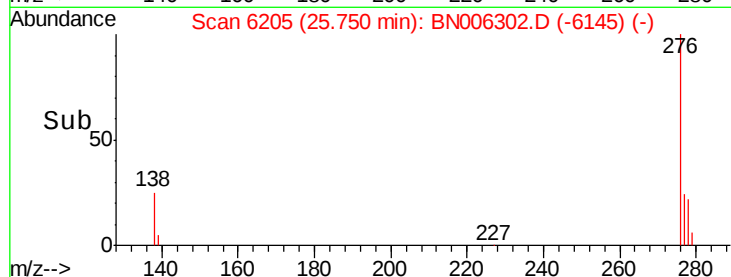
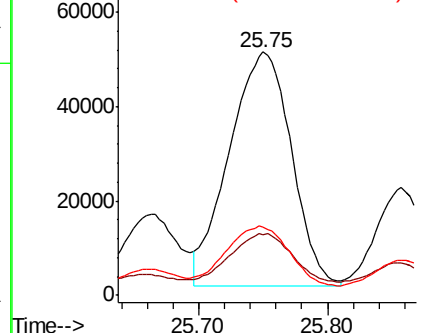
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 11.624 ng/ul

RT: 26.43 min Scan# 6409

Delta R.T. 0.01 min

Lab File: BN006302.D

Acq: 13 Jun 2019 09:38

Tgt Ion:276 Resp: 560396

Ion Ratio Lower Upper

276 100

138 27.1 24.2 36.4

277 24.3 21.5 32.3

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

