

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060619\
 Data File : BN006167.D
 Acq On : 07 Jun 2019 15:15
 Operator : JU/SJ
 Sample : K3201-12DL 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC3DL

Manual Integrations
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Quant Time: Jun 07 16:57:19 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5070	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	18972	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	9137	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	18185	0.40	ng/ul	0.00
16) Chrysene-d12	21.29	240	14770	0.40	ng/ul	0.02
20) Perylene-d12	23.54	264	21911	0.40	ng/ul	0.05
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	1742	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	3686	0.08	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.48	128	8609	0.164	ng/ul	98
5) 2-Methylnaphthalene	12.10	142	4622	0.127	ng/ul	99
7) Acenaphthylene	14.01	152	32430	0.639	ng/ul	100
8) Acenaphthene	14.36	153	9989	0.284	ng/ul	99
9) Fluorene	15.35	166	10428	0.253	ng/ul#	95
12) Phenanthrene	17.09	178	287649	4.928	ng/ul	100
13) Anthracene	17.18	178	49334	0.885	ng/ul	99
15) Fluoranthene	19.12	202	611263	9.483	ng/ul	96
17) Pyrene	19.49	202	577301	7.420	ng/ul	98
18) Benzo(a)anthracene	21.27	228	307008	4.700	ng/ul	100
19) Chrysene	21.33	228	313405	5.110	ng/ul	98
21) Benzo(b)fluoranthene	22.87	252	398906m	4.366	ng/ul	
22) Benzo(k)fluoranthene	22.91	252	152780m	1.717	ng/ul	
23) Benzo(a)pyrene	23.45	252	275001	3.232	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.78	276	180898	1.964	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.79	278	50494	0.686	ng/ul	97
26) Benzo(a,h,i)perylene	26.47	276	139968	1.814	ng/ul	94

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

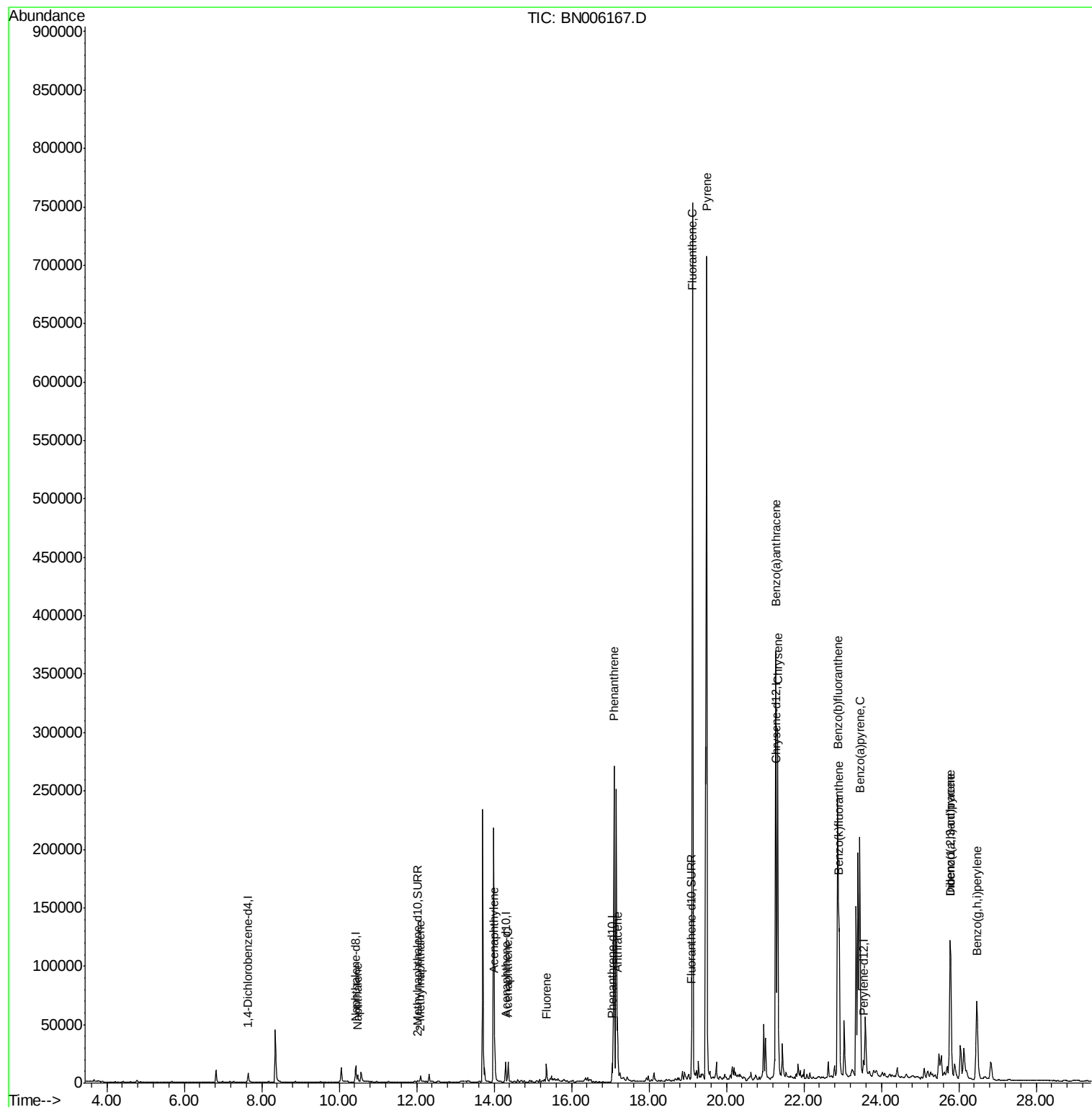
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060619\
Data File : BN006167.D
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Sample : K3201-12DL 5X
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ALS Vial : 33 Sample Multiplier: 1

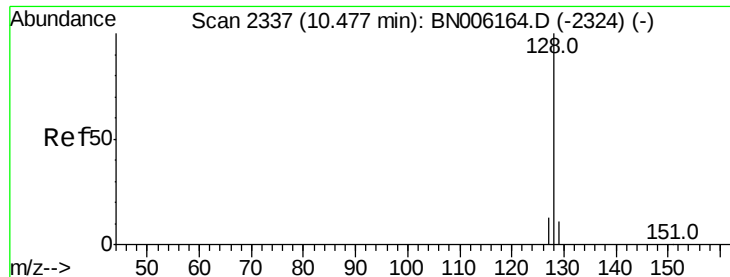
Instrument :
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C0AC3DL

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Quant Time: Jun 07 16:57:19 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.164 ng/ul

RT: 10.48 min Scan# 2337

Delta R.T. 0.00 min

Lab File: BN006167.D

Acq: 07 Jun 2019 15:15

Instrument :

BNA_N

ClientSampleId :

C0AC3DL

Tot Ion:128 Resp: 8609

Ion Ratio Lower Upper

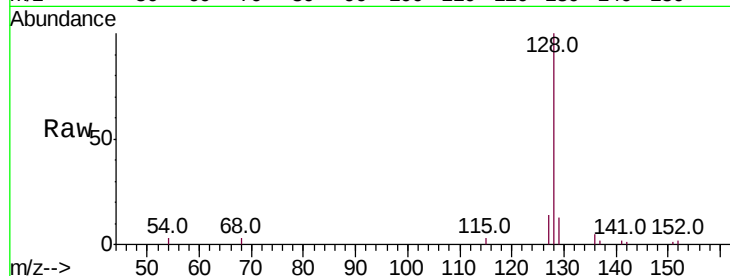
128 100

129 13.2 9.3 13.9

127 13.7 10.7 16.1

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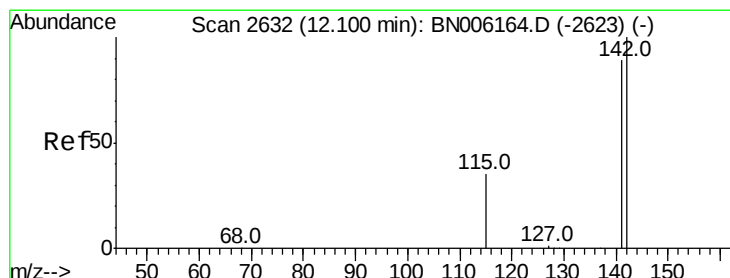
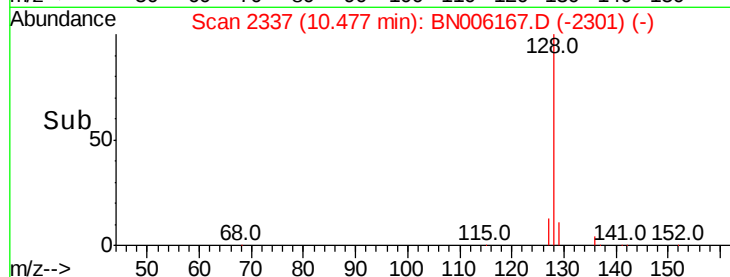
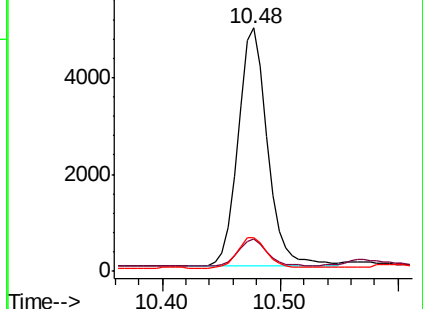
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.127 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. 0.00 min

Lab File: BN006167.D

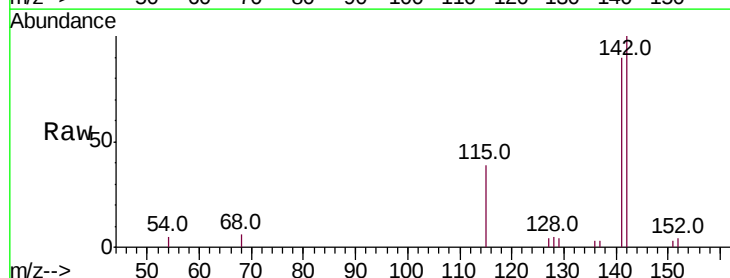
Acq: 07 Jun 2019 15:15

Tgt Ion:142 Resp: 4622

Ion Ratio Lower Upper

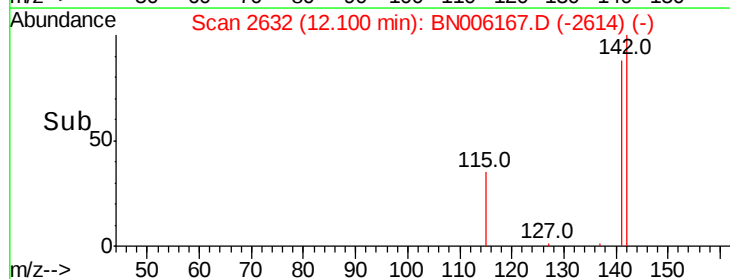
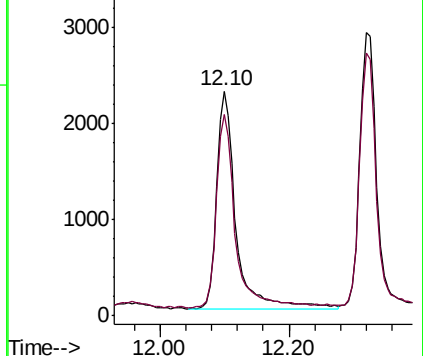
142 100

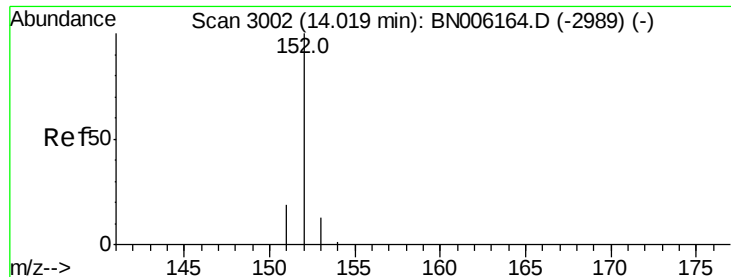
141 88.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.639 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006167.D

Acq: 07 Jun 2019 15:15

Instrument :

BNA_N

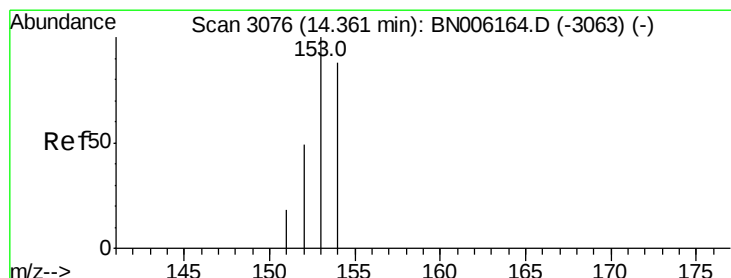
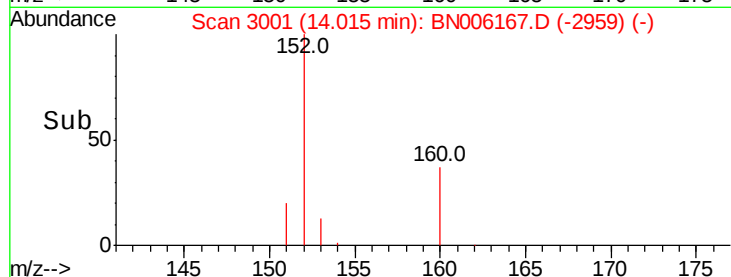
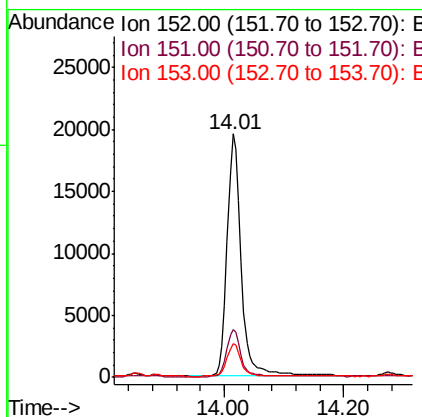
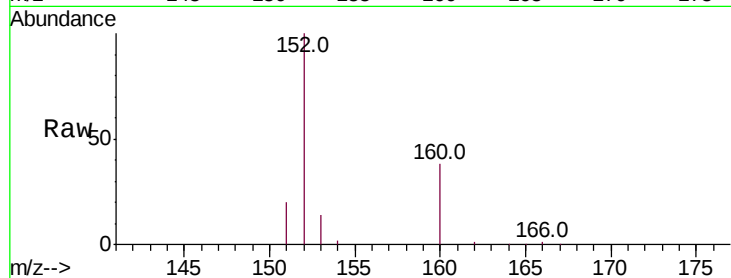
ClientSampled :

C0AC3DL

Tot Ion:	152	Resp:	32430
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	13.9	10.8	16.2

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#8

Acenaphthene

Concen: 0.284 ng/ul

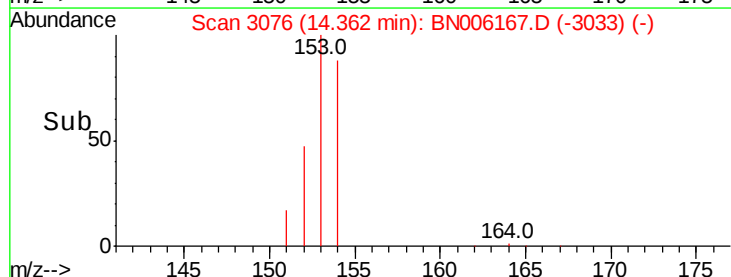
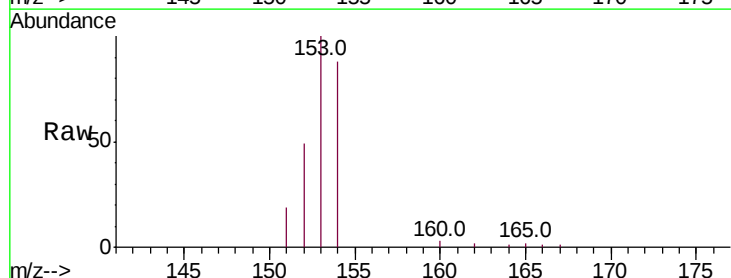
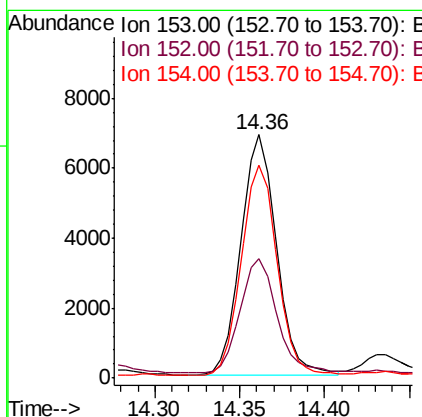
RT: 14.36 min Scan# 3076

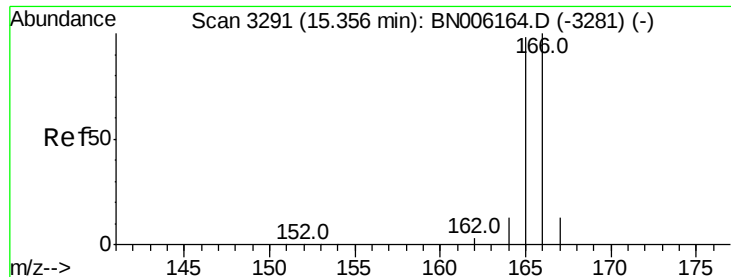
Delta R.T. 0.00 min

Lab File: BN006167.D

Acq: 07 Jun 2019 15:15

Tgt Ion:	153	Resp:	9989
Ion Ratio	Lower	Upper	
153	100		
152	49.3	39.1	58.7
154	87.6	71.1	106.7





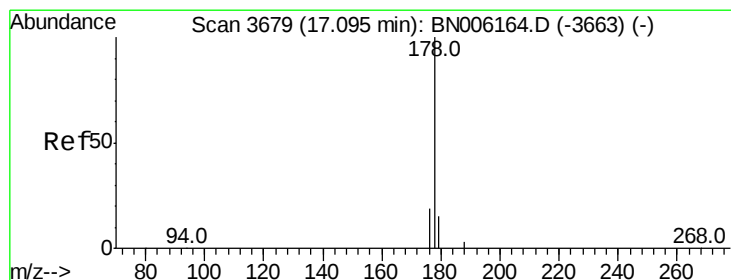
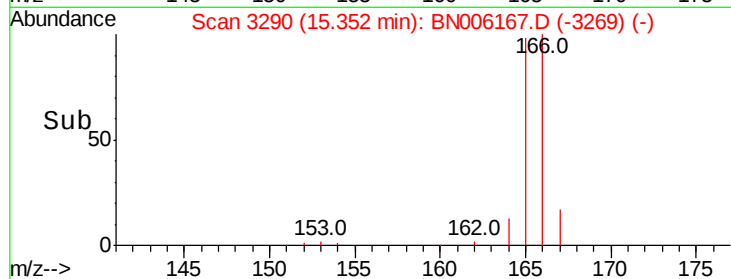
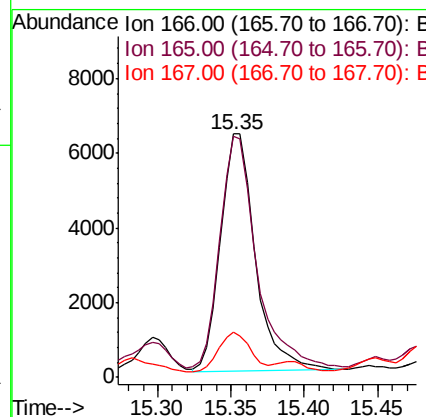
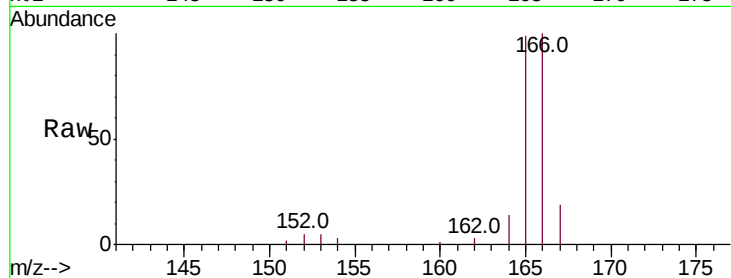
#9
Fluorene
 Concen: 0.253 ng/ul
 RT: 15.35 min Scan# 3290
 Delta R.T. -0.00 min
 Lab File: BN006167.D
 Acq: 07 Jun 2019 15:15

Instrument :
 BNA_N
 ClientSampleId :
 C0AC3DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	76.4	114.6
167	18.7	11.0	16.6#

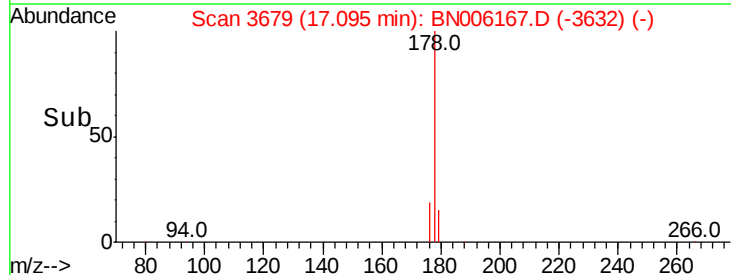
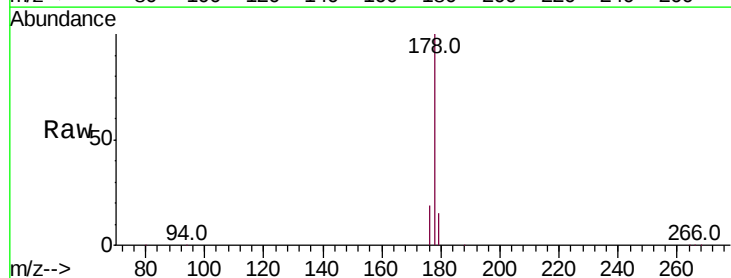
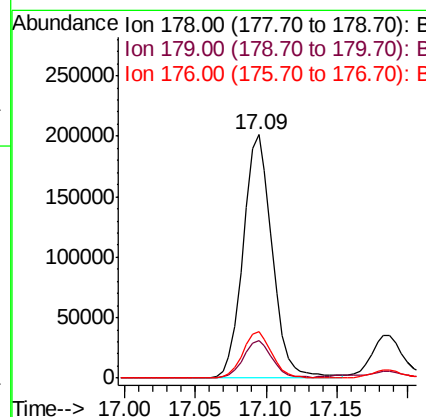
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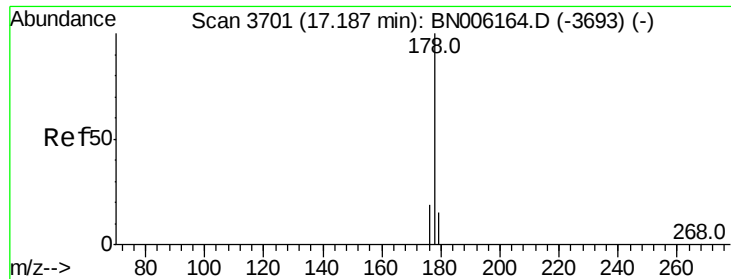
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#12
Phenanthrene
 Concen: 4.928 ng/ul
 RT: 17.09 min Scan# 3679
 Delta R.T. 0.00 min
 Lab File: BN006167.D
 Acq: 07 Jun 2019 15:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.1	15.3	22.9





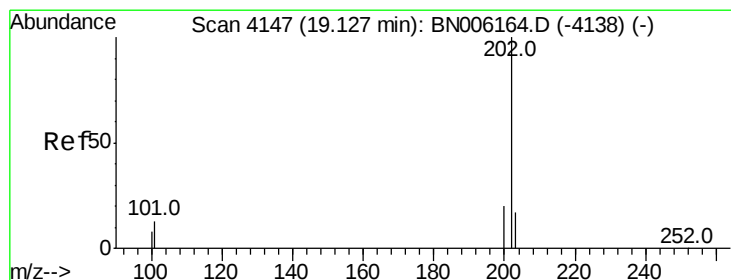
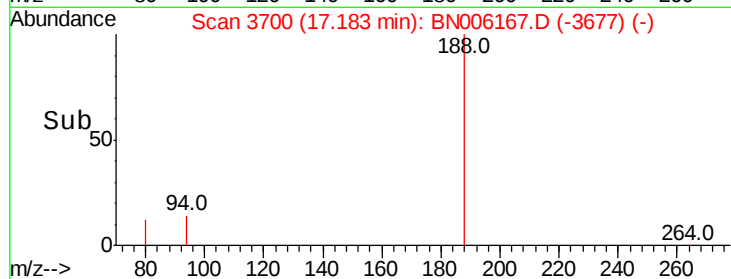
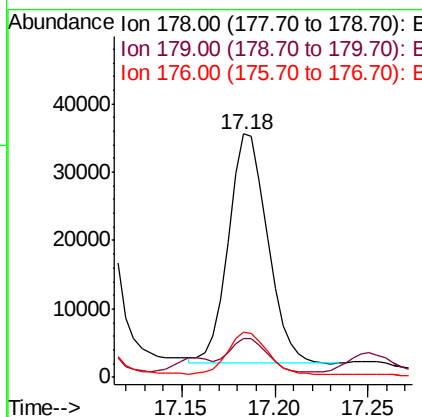
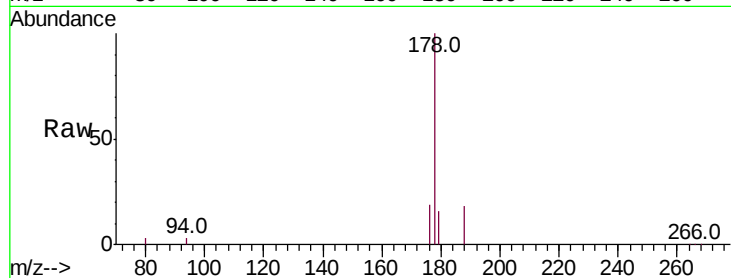
#13
 Anthracene
 Concen: 0.885 ng/ul
 RT: 17.18 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: BN006167.D
 Acq: 07 Jun 2019 15:15

Instrument :
 BNA_N
 ClientSampleId :
 C0AC3DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.4
176	18.8	15.1	22.7

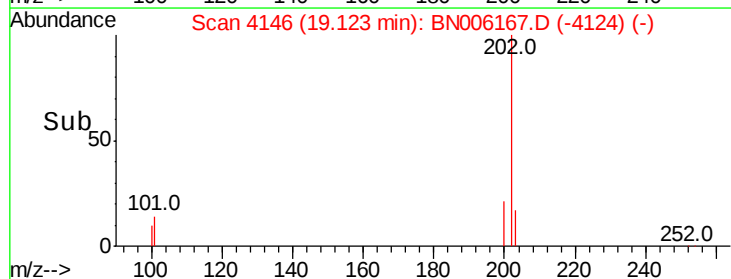
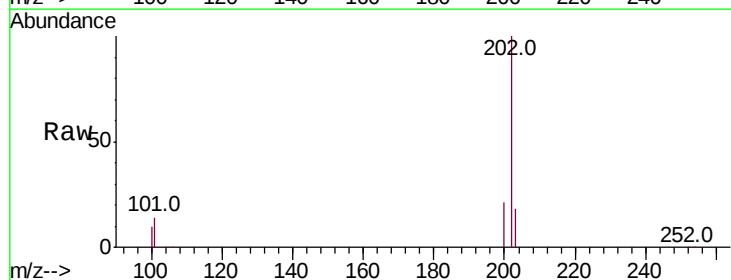
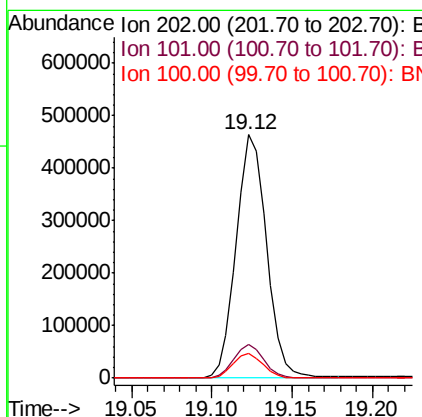
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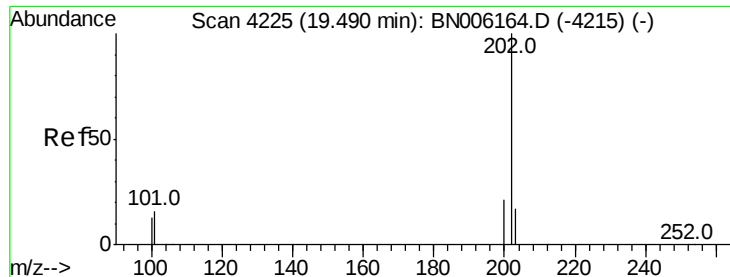
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#15
 Fluoranthene
 Concen: 9.483 ng/ul
 RT: 19.12 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: BN006167.D
 Acq: 07 Jun 2019 15:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	32.1
100	10.1	0.0	28.7





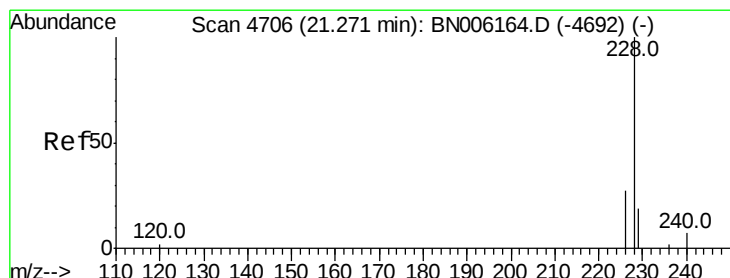
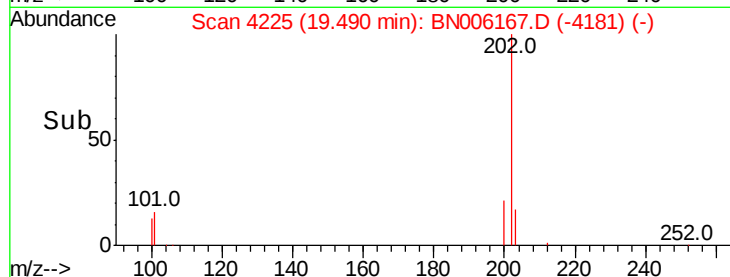
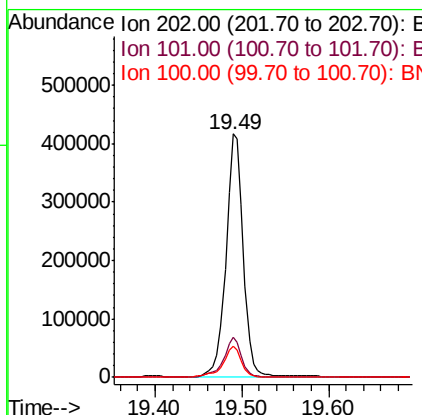
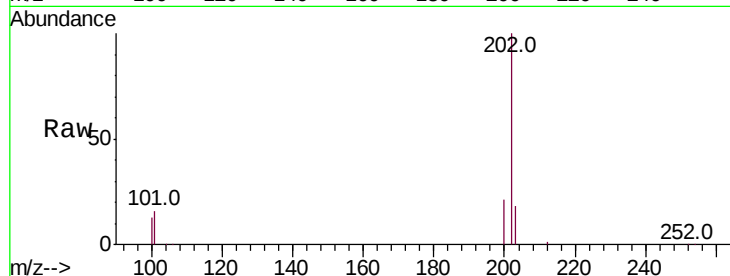
#17
Pvrene
Concen: 7.420 ng/ul
RT: 19.49 min Scan# 4225
Delta R.T. 0.00 min
Lab File: BN006167.D
Acq: 07 Jun 2019 15:15

Instrument :
BNA_N
ClientSampleId :
C0AC3DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.4	12.2	18.2
100	12.9	9.8	14.6

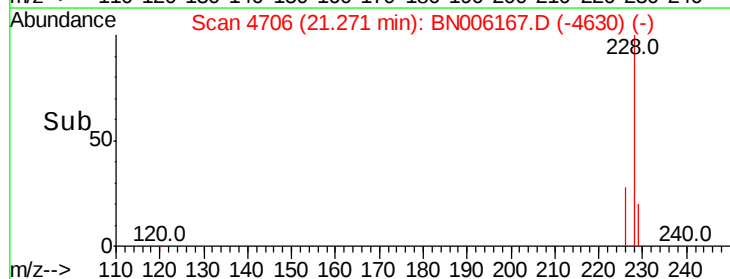
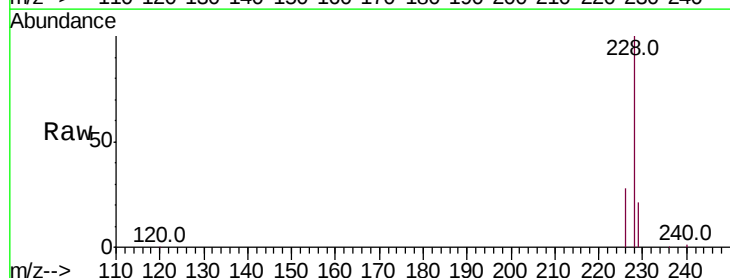
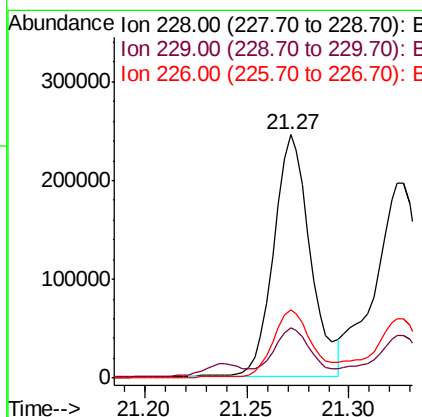
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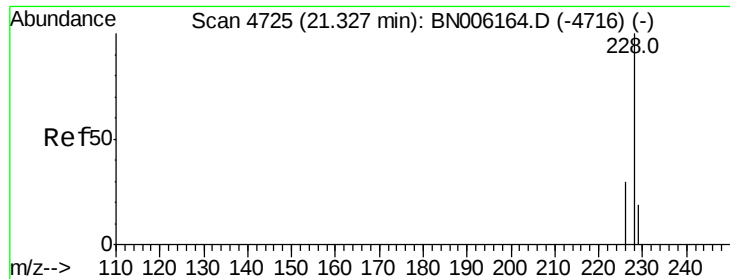
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#18
Benzo(a)anthracene
Concen: 4.700 ng/ul
RT: 21.27 min Scan# 4706
Delta R.T. 0.02 min
Lab File: BN006167.D
Acq: 07 Jun 2019 15:15

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.5	24.7
226	28.2	22.8	34.2





#19

Chrysene

Concen: 5.110 ng/ul

RT: 21.33 min Scan# 4725

Delta R.T. 0.03 min

Lab File: BN006167.D

Acq: 07 Jun 2019 15:15

Instrument :

BNA_N

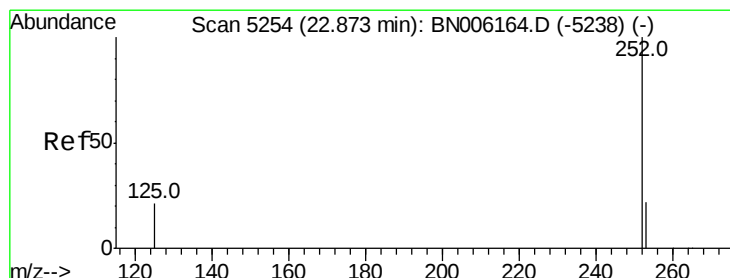
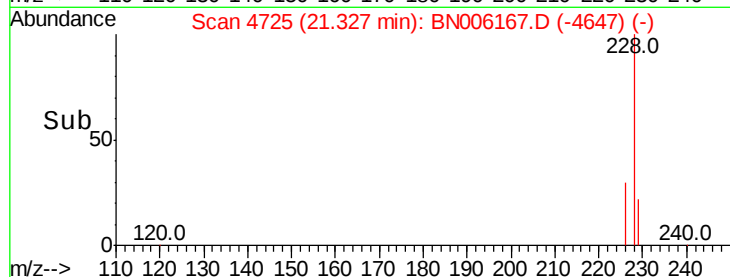
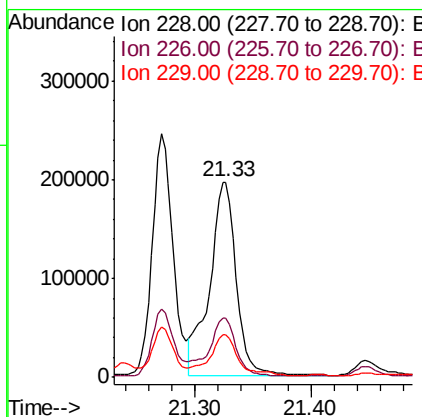
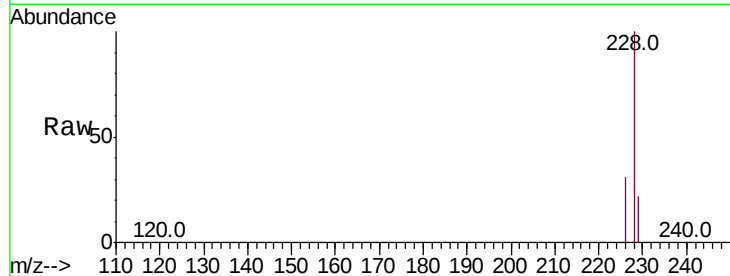
ClientSampleId :

C0AC3DL

Tot Ion:	228	Resp:	313405
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	22.1	16.3	24.5

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#21

Benzo(b)fluoranthene

Concen: 4.366 ng/ul m

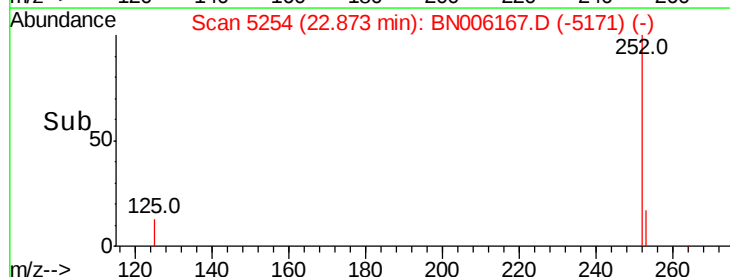
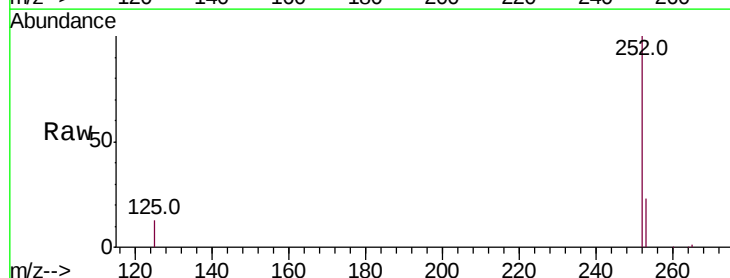
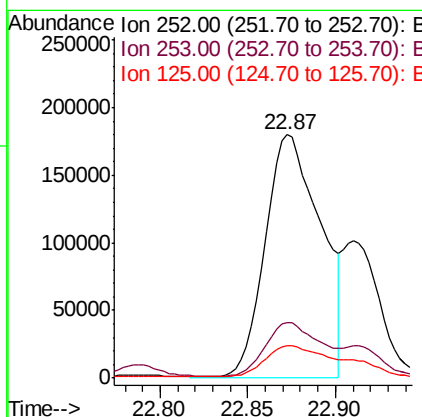
RT: 22.87 min Scan# 5254

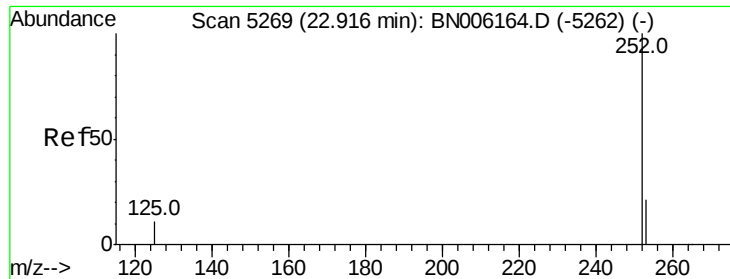
Delta R.T. 0.04 min

Lab File: BN006167.D

Acq: 07 Jun 2019 15:15

Tgt Ion:	252	Resp:	398906
Ion Ratio	Lower	Upper	
252	100		
253	22.9	0.0	51.4
125	13.3	0.0	41.0





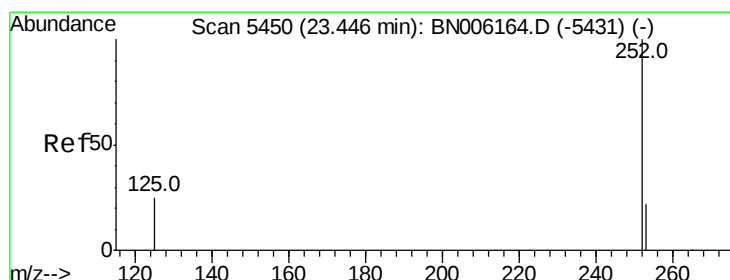
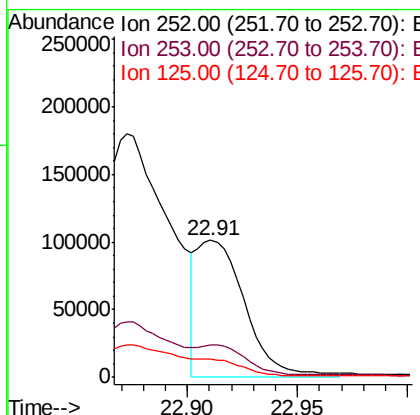
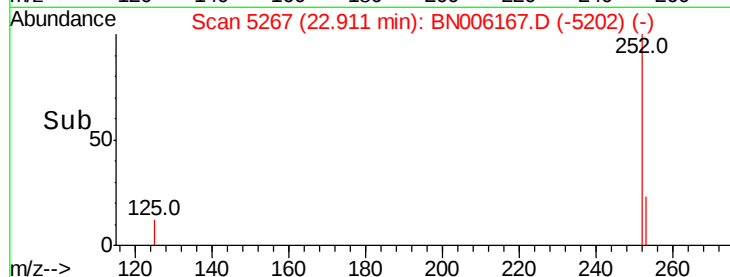
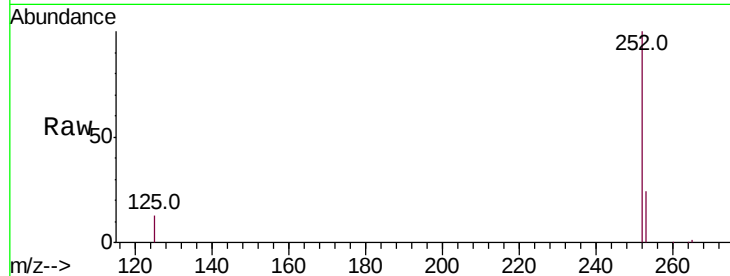
#22
Benzo(k)fluoranthene
Concen: 1.717 ng/ul m
RT: 22.91 min Scan# 5267
Delta R.T. 0.04 min
Lab File: BN006167.D
Acq: 07 Jun 2019 15:15

Instrument :
BNA_N
ClientSampled :
C0AC3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.3	30.5
125	13.2	14.3	21.5#

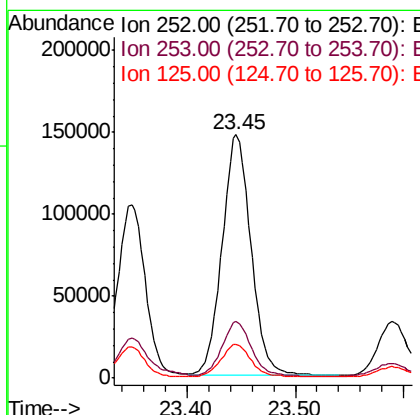
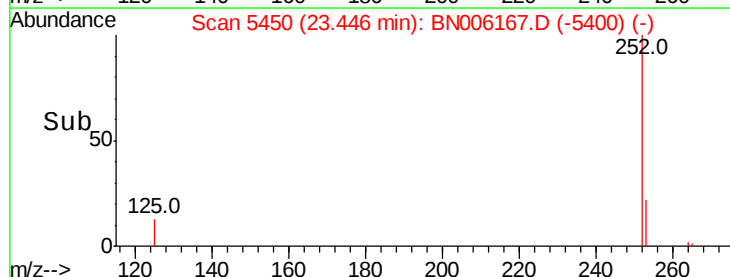
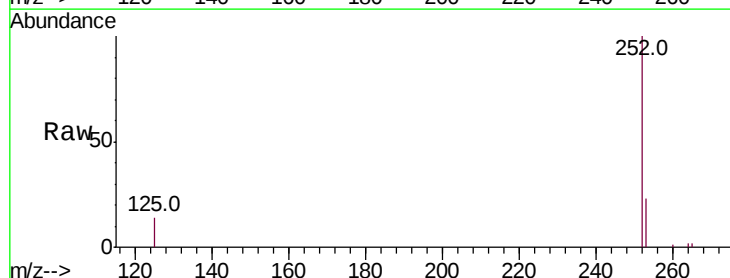
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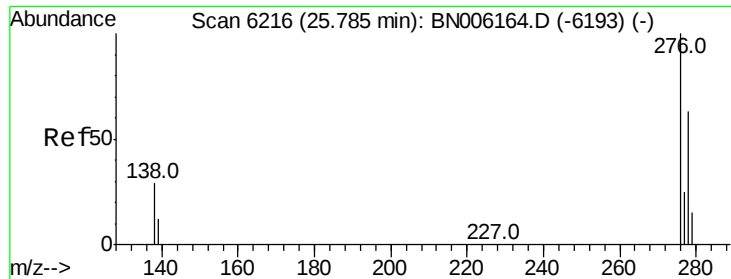
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#23
Benzo(a)pyrene
Concen: 3.232 ng/ul
RT: 23.45 min Scan# 5450
Delta R.T. 0.05 min
Lab File: BN006167.D
Acq: 07 Jun 2019 15:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	21.1	31.7
125	14.0	20.3	30.5#





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.964 ng/ul

RT: 25.78 min Scan# 6215

Delta R.T. 0.05 min

Lab File: BN006167.D

Acq: 07 Jun 2019 15:15

Instrument :

BNA_N

ClientSampleId :

C0AC3DL

Tot Ion:276 Resp: 180898

Ion Ratio Lower Upper

276 100

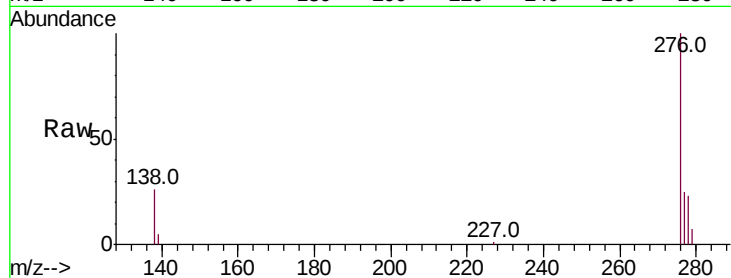
138 26.1 25.6 38.4

227 0.3 0.3 0.5#

Manual Integrations
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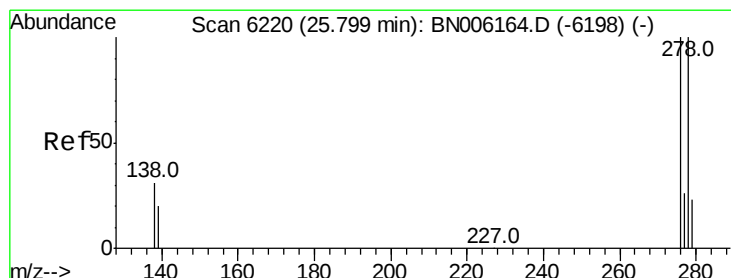
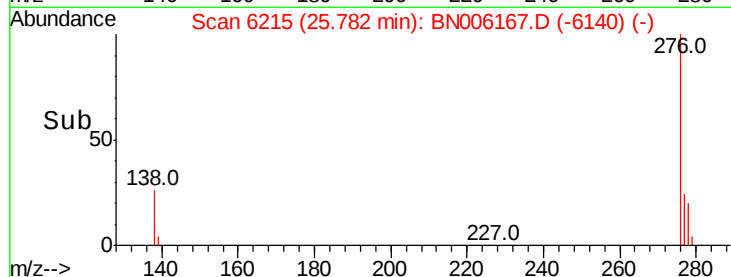
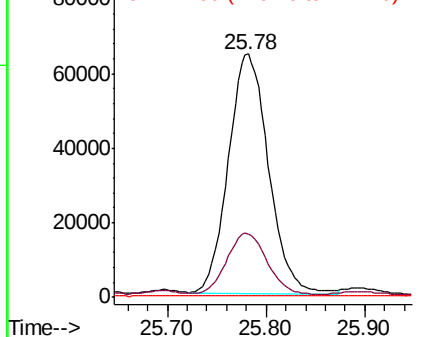
6/11/2019 5:08:26 PM



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: 0.686 ng/ul

RT: 25.79 min Scan# 6217

Delta R.T. 0.05 min

Lab File: BN006167.D

Acq: 07 Jun 2019 15:15

Tgt Ion:278 Resp: 50494

Ion Ratio Lower Upper

278 100

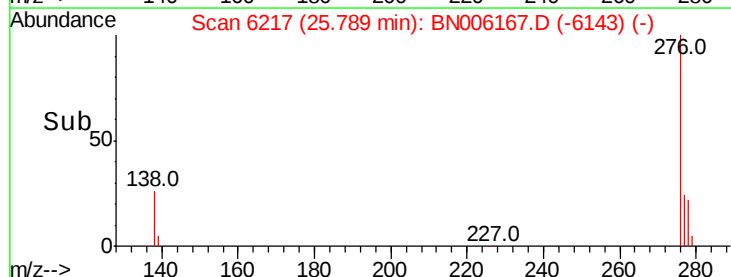
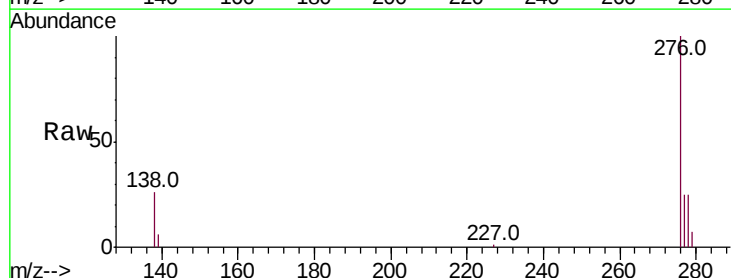
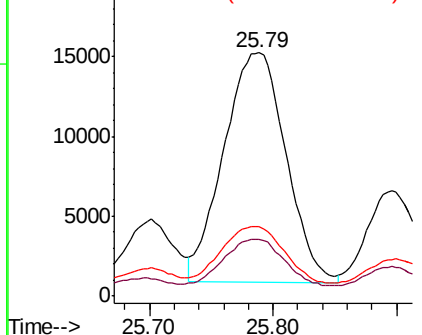
139 23.4 21.2 31.8

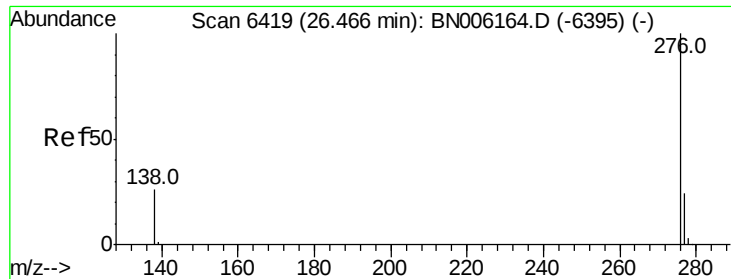
279 28.5 22.6 33.8

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(a,h,i)perylene

Concen: 1.814 ng/ul

RT: 26.47 min Scan# 6419

Delta R.T. 0.06 min

Lab File: BN006167.D

Acq: 07 Jun 2019 15:15

Instrument :

BNA_N

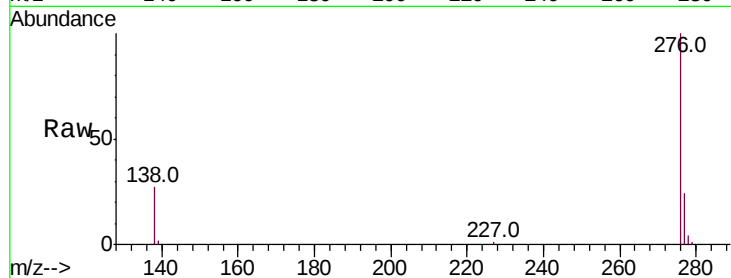
ClientSampleId :

C0AC3DL

Tot Ion:	276	Resp:	139968
Ion Ratio	Lower	Upper	
276	100		
138	27.0	24.2	36.4
277	24.2	21.5	32.3

Manual Integrations
APPROVED

mohammad
6/11/2019 5:08:26 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

