

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006225.D
 Acq On : 10 Jun 2019 16:33
 Operator : JU/SJ
 Sample : K3016-13DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D0DL

Manual Integrations
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Quant Time: Jun 11 01:05:36 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4945	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	18501	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	8973	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	18315	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	14517	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	19031	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	1059	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	2103	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.48	128	2697	0.053	ng/ul#	92
5) 2-Methylnaphthalene	12.11	142	745	0.021	ng/ul	96
7) Acenaphthylene	14.01	152	12132	0.243	ng/ul	99
8) Acenaphthene	14.36	153	2730	0.079	ng/ul	97
9) Fluorene	15.35	166	4992	0.123	ng/ul	95
12) Phenanthrene	17.09	178	88546	1.506	ng/ul	99
13) Anthracene	17.18	178	29646	0.528	ng/ul	99
15) Fluoranthene	19.12	202	244870	3.772	ng/ul	96
17) Pyrene	19.49	202	220817	2.888	ng/ul	100
18) Benzo(a)anthracene	21.25	228	114103	1.777	ng/ul	100
19) Chrysene	21.30	228	101979	1.692	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	138367m	1.744	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	51450m	0.666	ng/ul	
23) Benzo(a)pyrene	23.40	252	102234	1.383	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.73	276	67873	0.848	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.74	278	16195	0.253	ng/ul	98
26) Benzo(a,h,i)perylene	26.41	276	51344	0.766	ng/ul	94

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

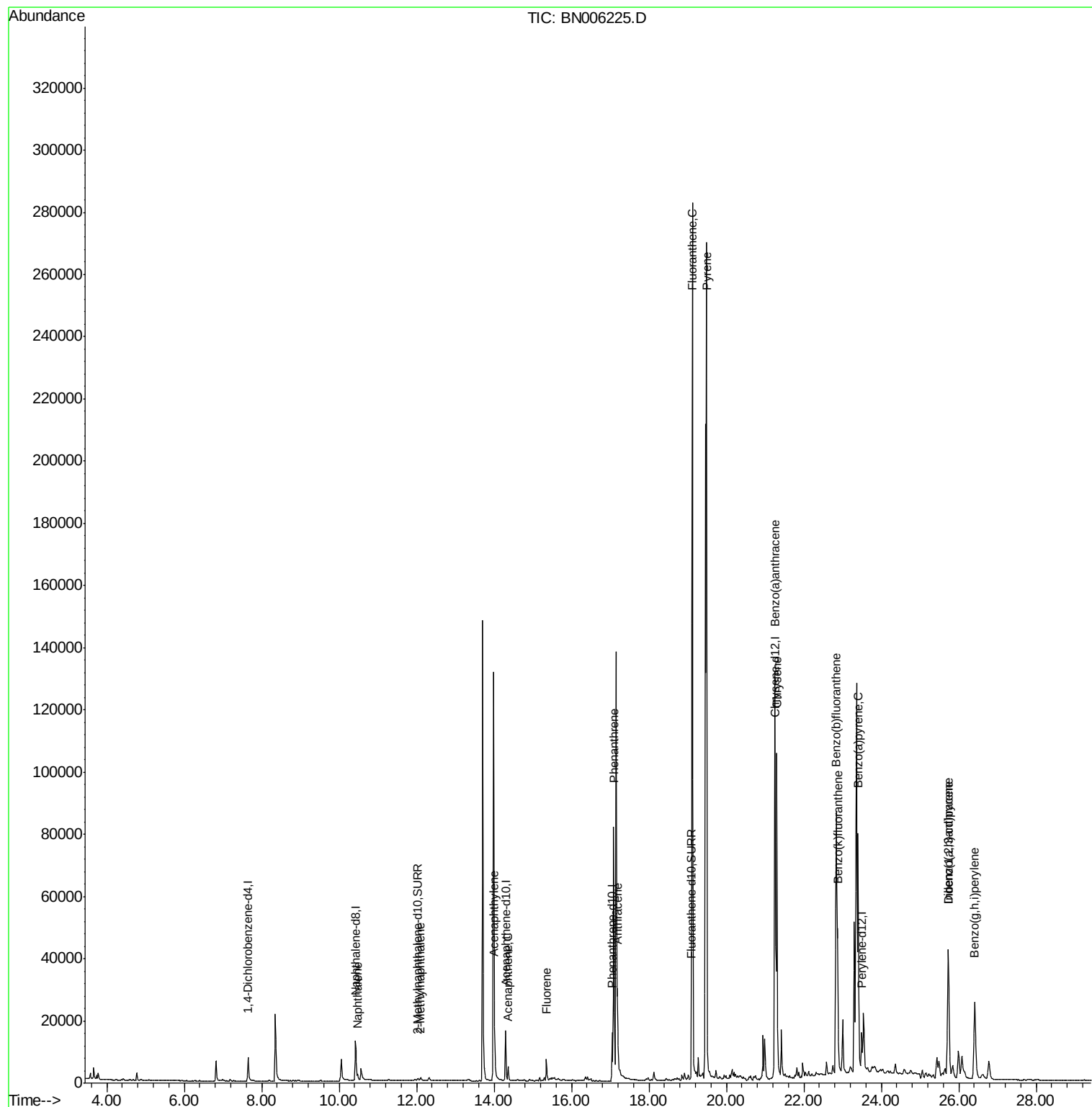
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006225.D
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ALS Vial : 14 Sample Multiplier: 1

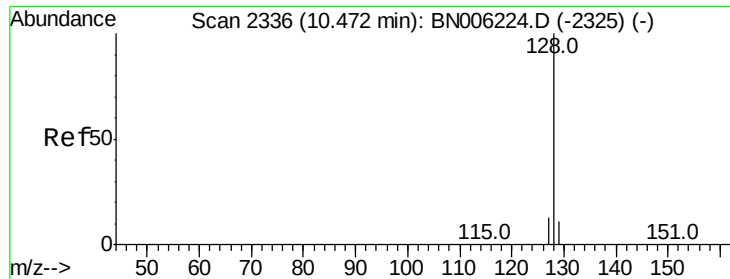
Instrument :
BNA_N
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A51D0DL

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#3

Naphthalene

Concen: 0.053 ng/ul

RT: 10.48 min Scan# 2337

Delta R.T. 0.01 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

Instrument :

BNA_N

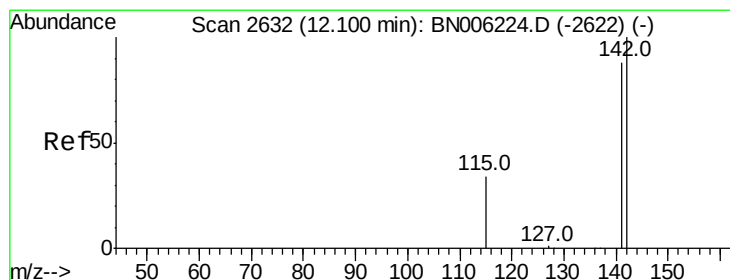
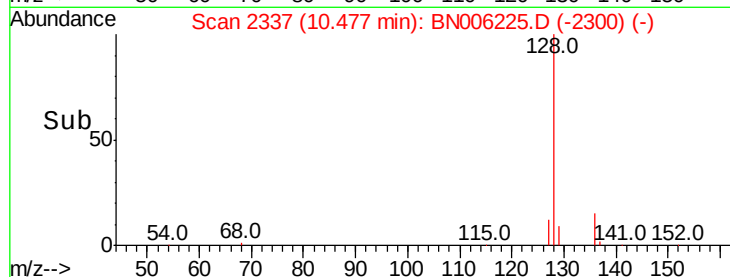
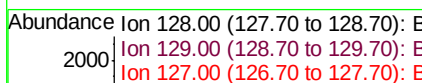
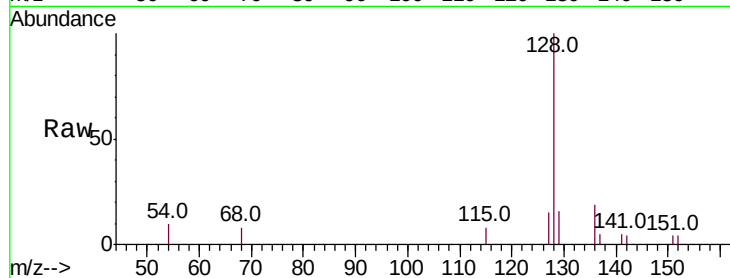
ClientSampleId :

A51D0DL

Tot Ion:	128	Resp:	2697
Ion Ratio	Lower	Upper	
128	100		
129	16.1	9.3	13.9#
127	15.4	10.7	16.1

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#5

2-Methylnaphthalene

Concen: 0.021 ng/ul

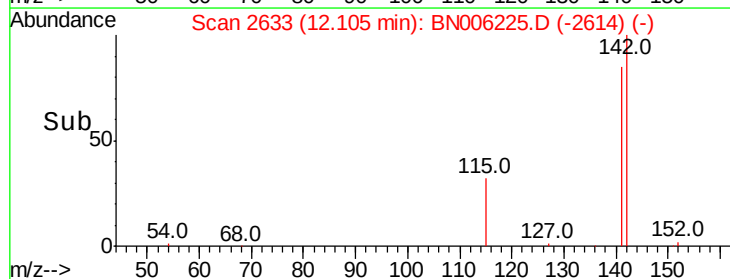
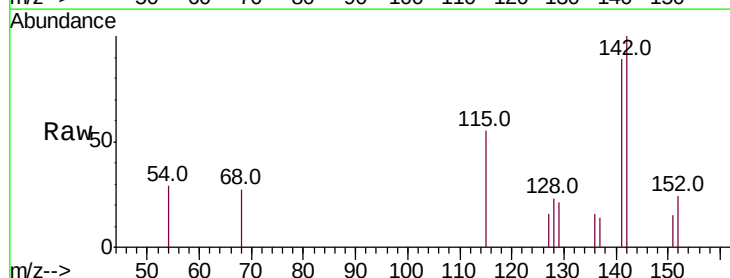
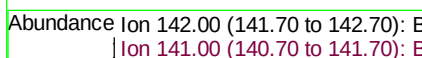
RT: 12.11 min Scan# 2633

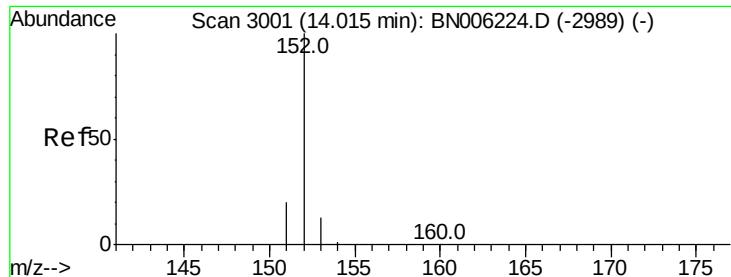
Delta R.T. 0.01 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

Tgt Ion:	142	Resp:	745
Ion Ratio	Lower	Upper	
142	100		
141	84.6	70.3	105.5





#7

Acenaphthylene

Concen: 0.243 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

Instrument :

BNA_N

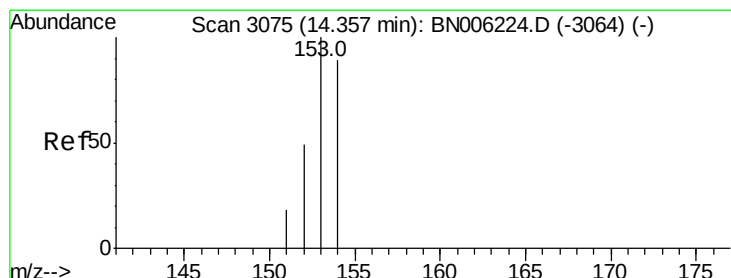
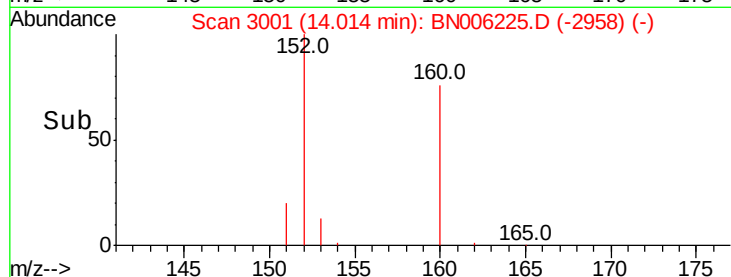
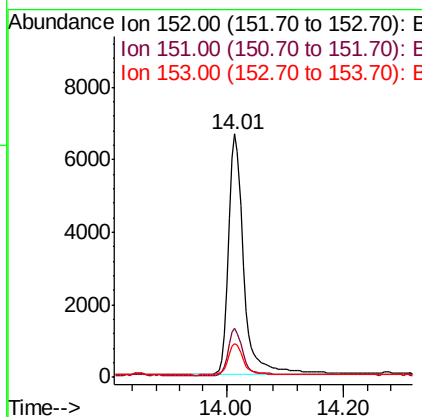
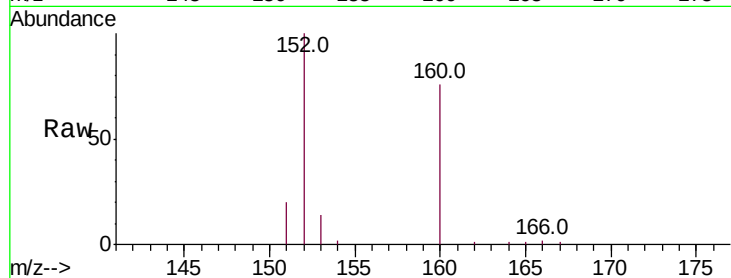
ClientSampleId :

A51D0DL

Tot Ion:	152	Resp:	12132
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.8	23.8
153	13.9	10.8	16.2

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#8

Acenaphthene

Concen: 0.079 ng/ul

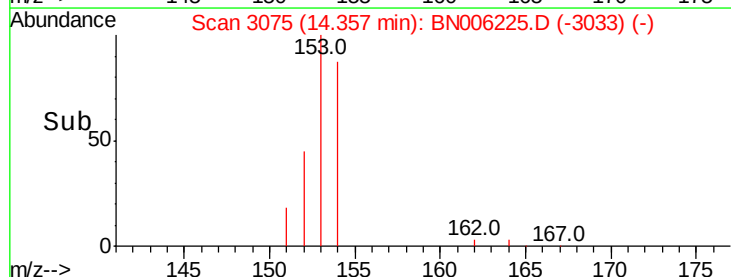
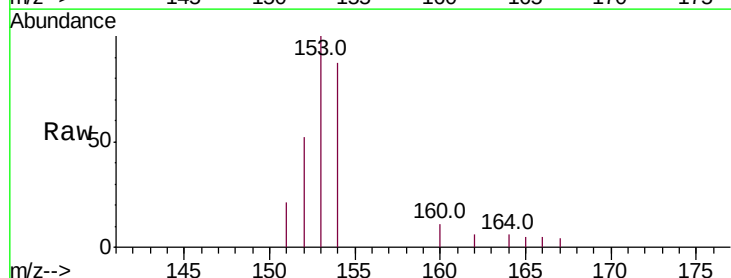
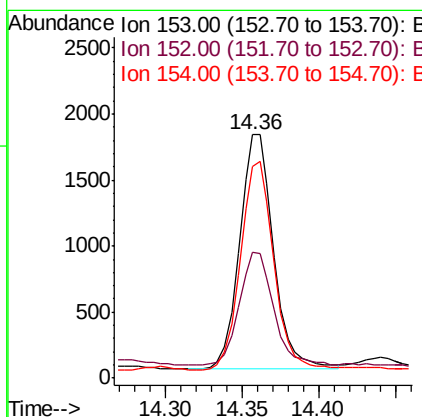
RT: 14.36 min Scan# 3075

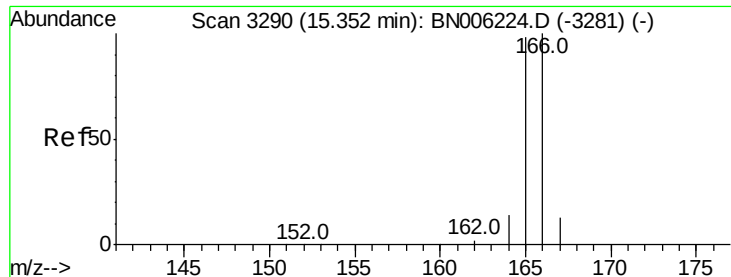
Delta R.T. -0.00 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

Tgt Ion:	153	Resp:	2730
Ion Ratio	Lower	Upper	
153	100		
152	51.9	39.1	58.7
154	86.9	71.1	106.7





#9

Fluorene

Concen: 0.123 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

Instrument :

BNA_N

ClientSampleId :

A51D0DL

Tot Ion:166 Resp: 4992

Ion Ratio Lower Upper

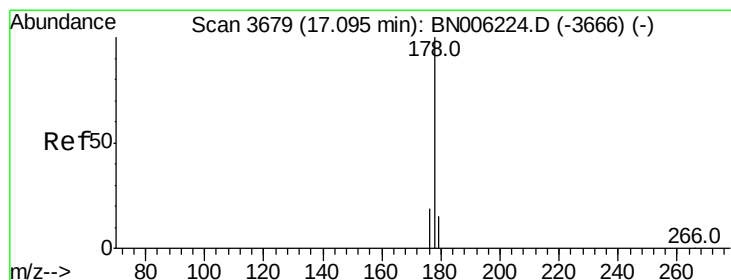
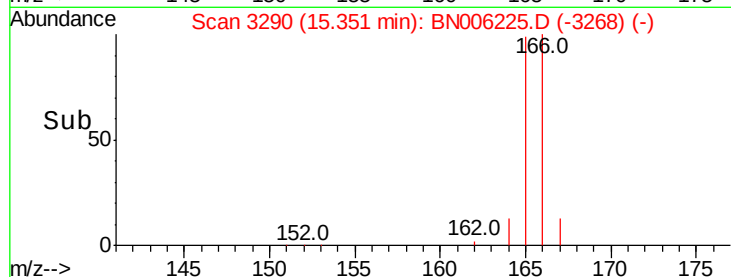
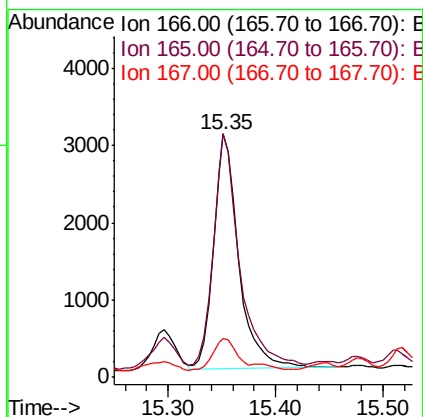
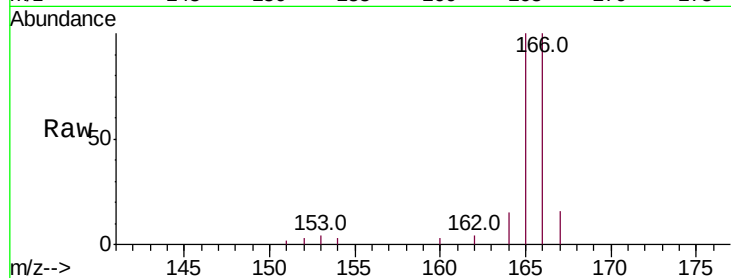
166 100

165 100.2 76.4 114.6

167 16.1 11.0 16.6

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#12

Phenanthrene

Concen: 1.506 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

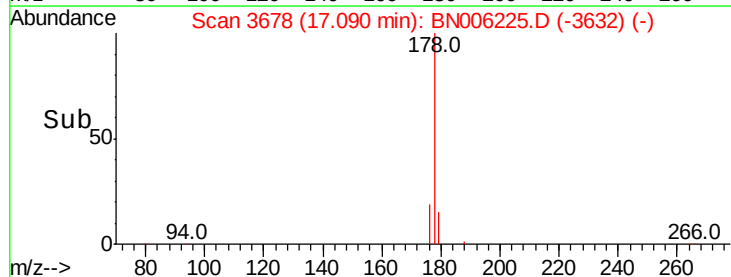
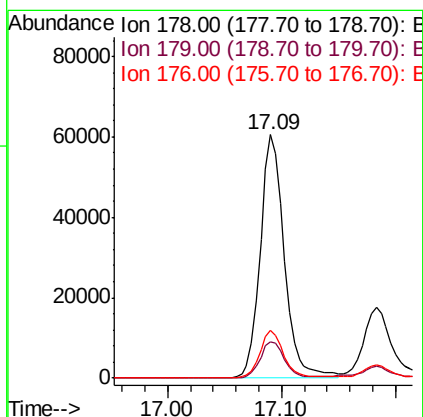
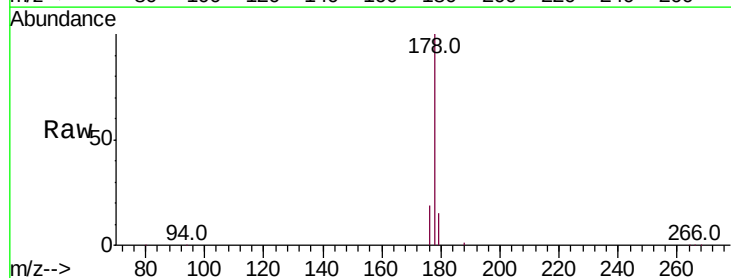
Tgt Ion:178 Resp: 88546

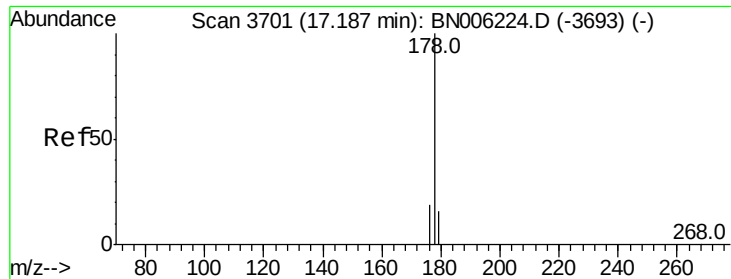
Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

176 19.5 15.3 22.9





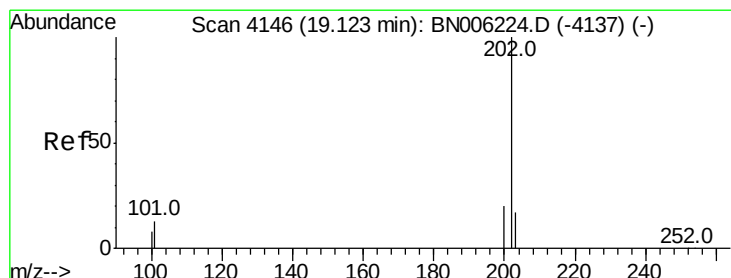
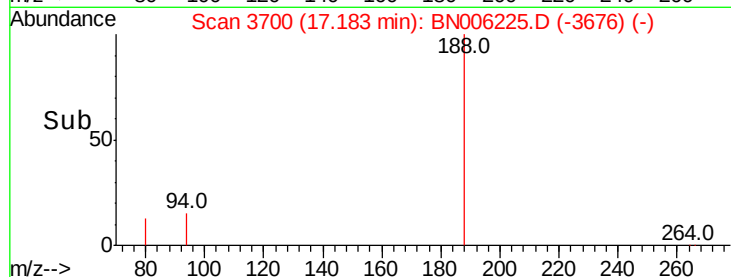
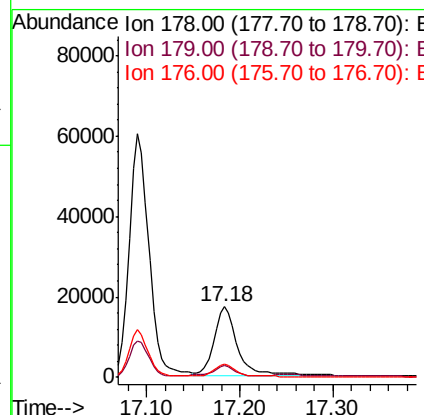
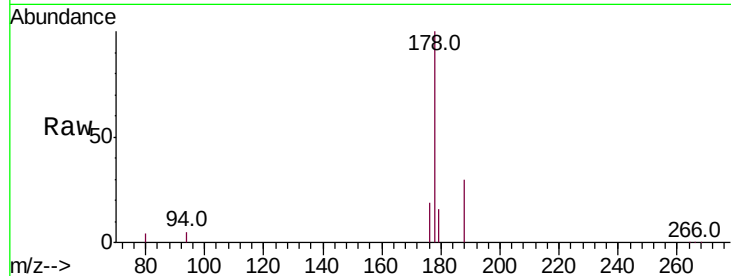
#13
 Anthracene
 Concen: 0.528 ng/ul
 RT: 17.18 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: BN006225.D
 Acq: 10 Jun 2019 16:33

Instrument :
 BNA_N
 ClientSampleId :
 A51D0DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.4
176	18.6	15.1	22.7

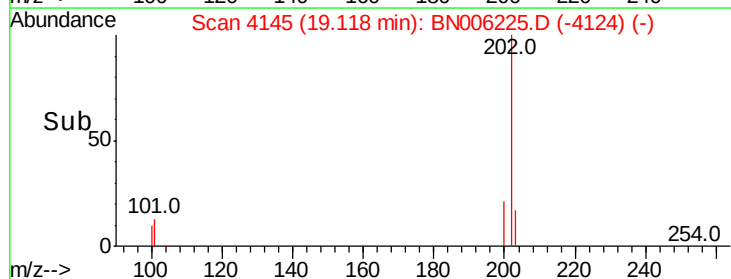
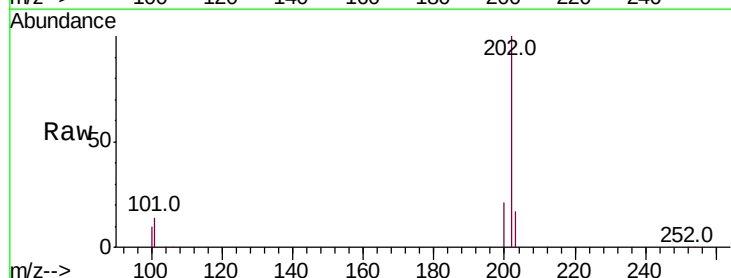
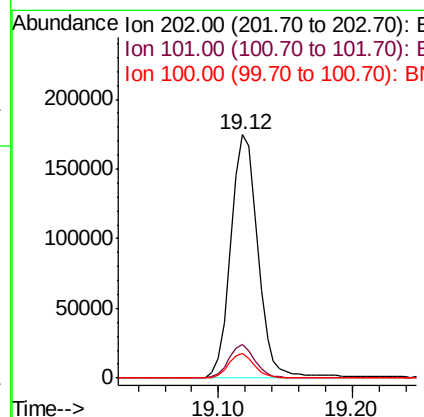
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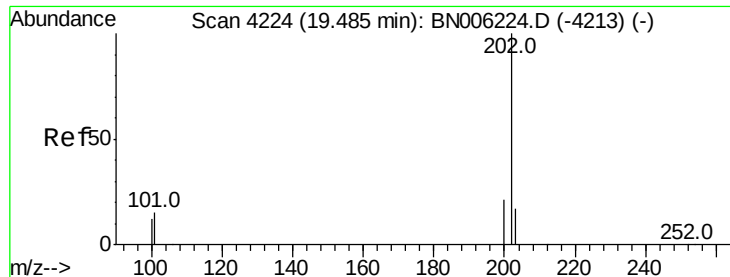
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#15
 Fluoranthene
 Concen: 3.772 ng/ul
 RT: 19.12 min Scan# 4145
 Delta R.T. -0.00 min
 Lab File: BN006225.D
 Acq: 10 Jun 2019 16:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	32.1
100	10.2	0.0	28.7





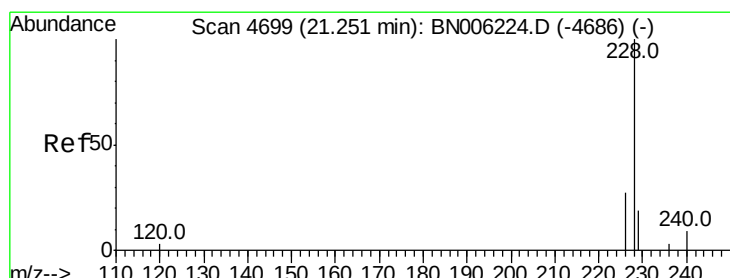
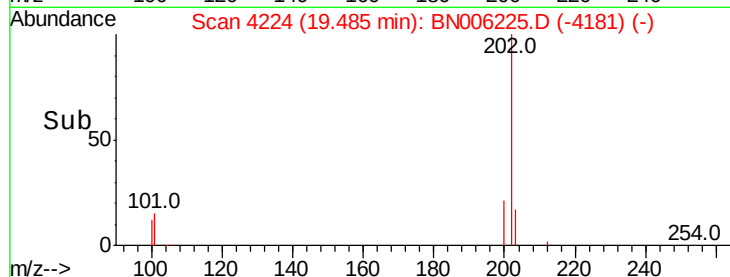
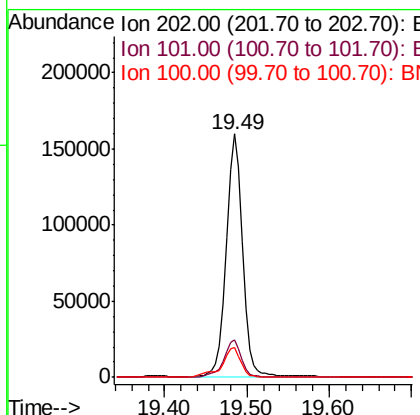
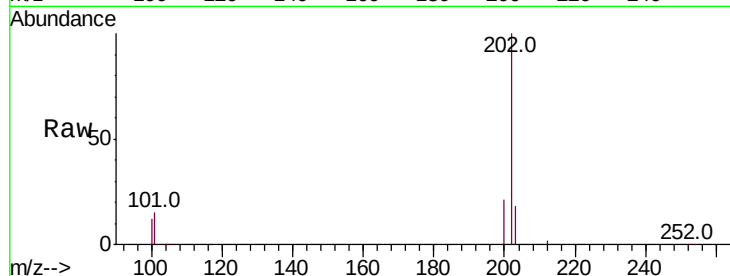
#17
Pvrene
Concen: 2.888 ng/ul
RT: 19.49 min Scan# 4224
Delta R.T. -0.00 min
Lab File: BN006225.D
Acq: 10 Jun 2019 16:33

Instrument :
BNA_N
ClientSampleId :
A51D0DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.2	12.2	18.2
100	12.0	9.8	14.6

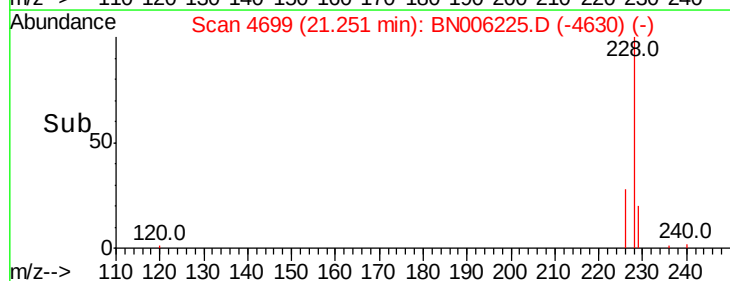
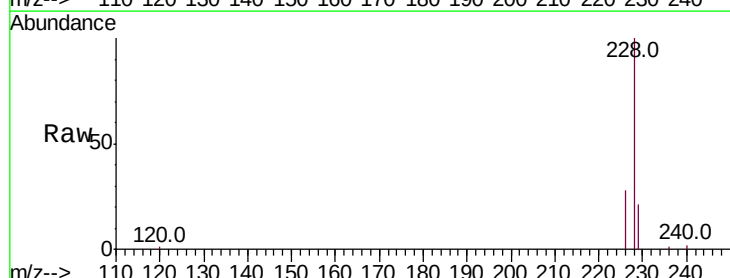
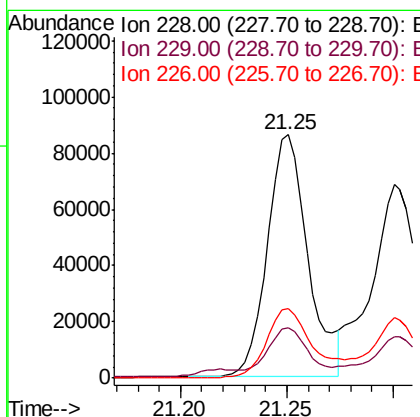
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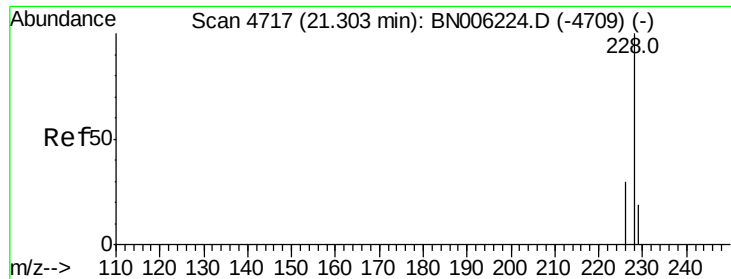
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#18
Benzo(a)anthracene
Concen: 1.777 ng/ul
RT: 21.25 min Scan# 4699
Delta R.T. 0.00 min
Lab File: BN006225.D
Acq: 10 Jun 2019 16:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.6	16.5	24.7
226	28.5	22.8	34.2





#19

Chrysene

Concen: 1.692 ng/ul

RT: 21.30 min Scan# 4716

Delta R.T. -0.00 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

Instrument :

BNA_N

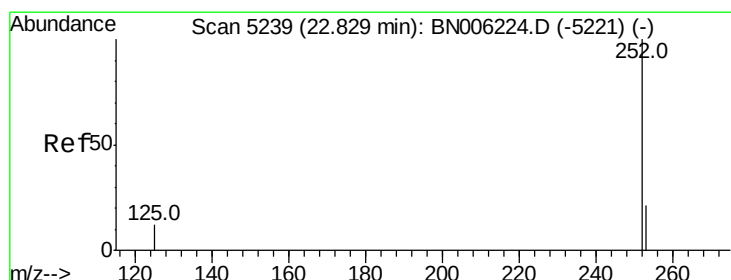
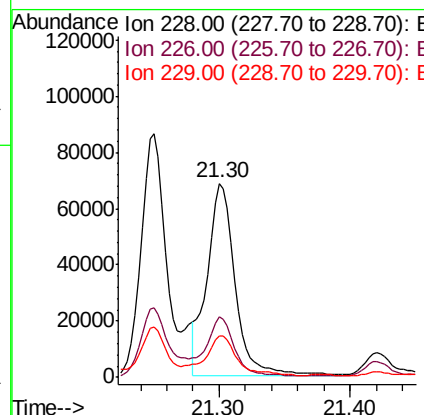
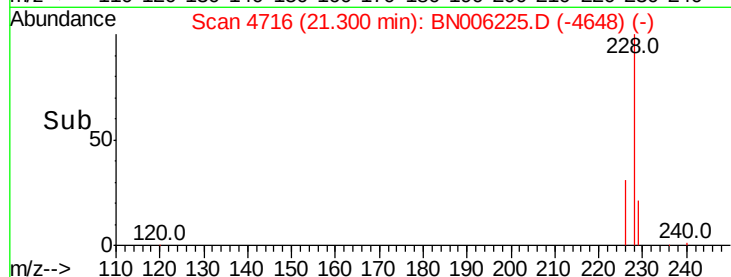
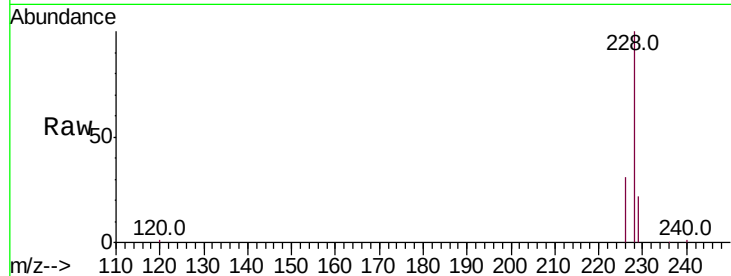
ClientSampled :

A51D0DL

Tot Ion:	228	Resp:	101979
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	21.5	16.3	24.5

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#21

Benzo(b)fluoranthene

Concen: 1.744 ng/ul m

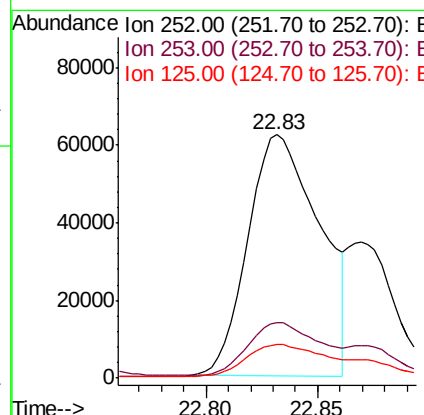
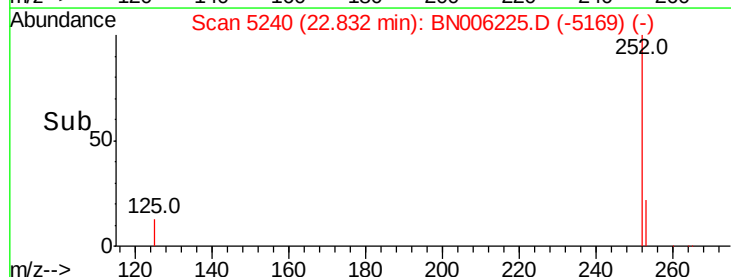
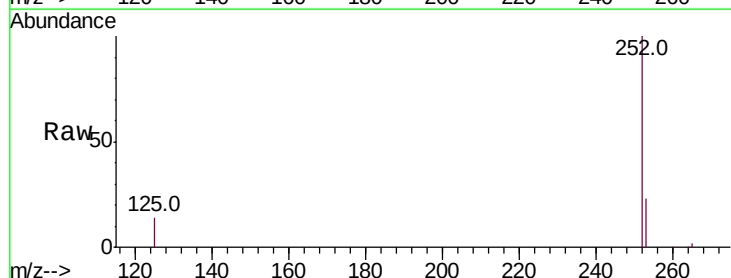
RT: 22.83 min Scan# 5240

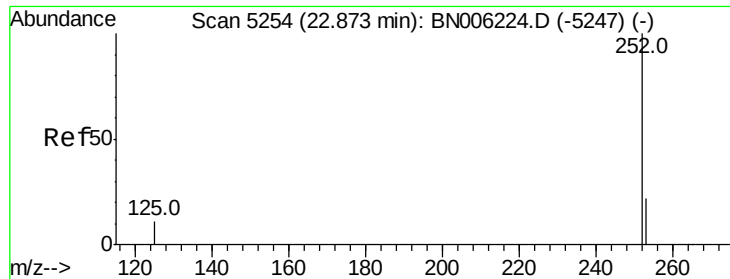
Delta R.T. 0.01 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

Tgt Ion:	252	Resp:	138367
Ion Ratio	Lower	Upper	
252	100		
253	22.9	0.0	51.4
125	13.9	0.0	41.0





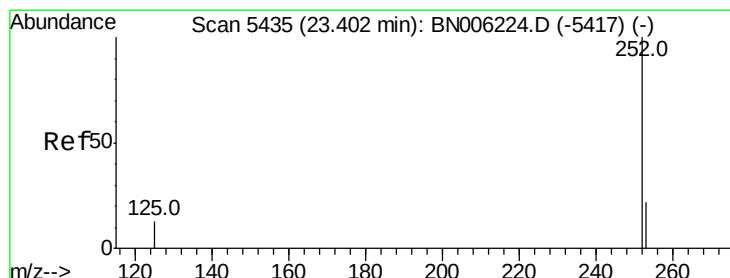
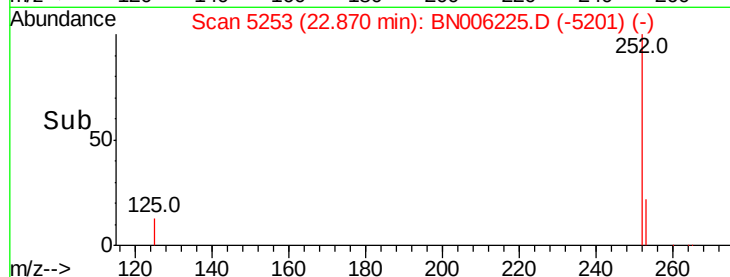
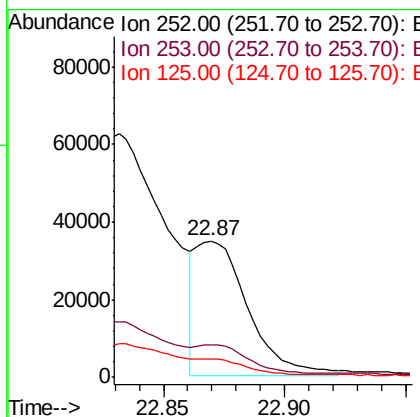
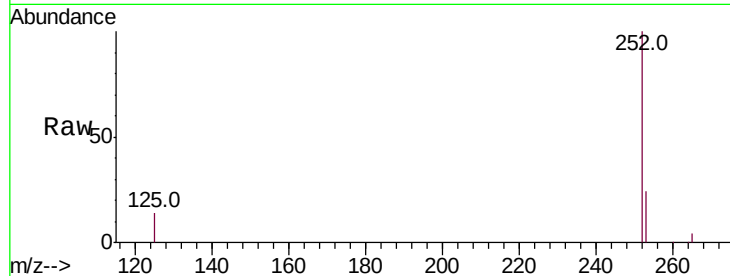
#22
Benzo(k)fluoranthene
Concen: 0.666 ng/ul m
RT: 22.87 min Scan# 5253
Delta R.T. 0.00 min
Lab File: BN006225.D
Acq: 10 Jun 2019 16:33

Instrument :
BNA_N
ClientSampleId :
A51D0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	20.3	30.5
125	13.7	14.3	21.5#

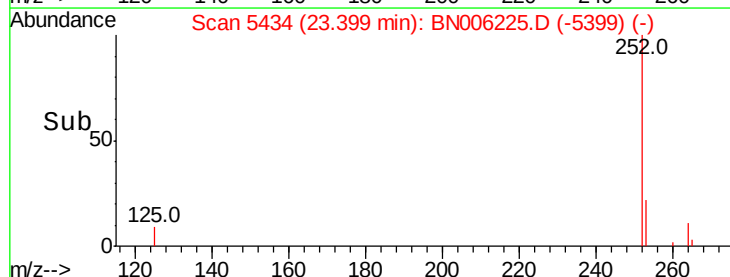
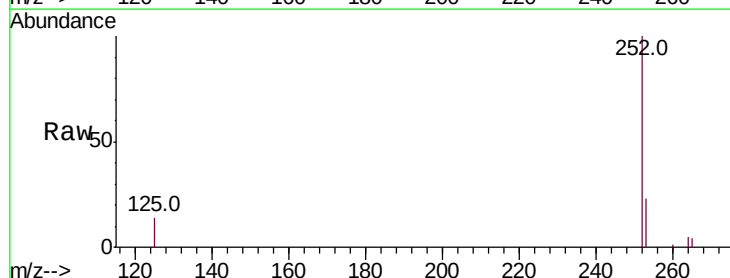
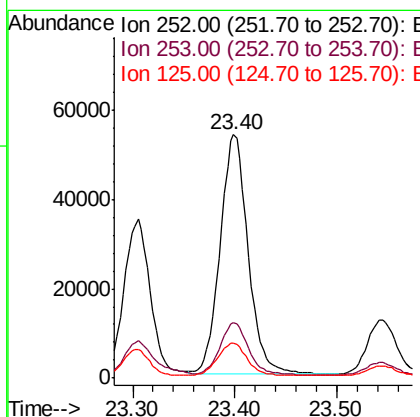
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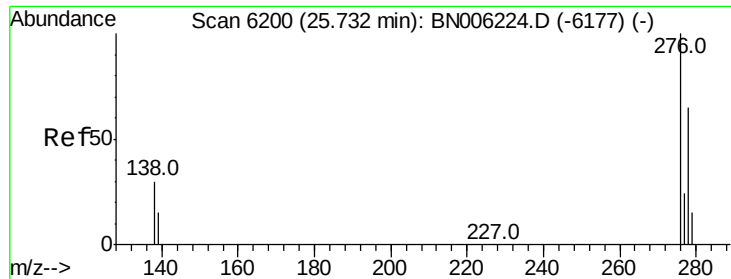
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#23
Benzo(a)pyrene
Concen: 1.383 ng/ul
RT: 23.40 min Scan# 5434
Delta R.T. 0.00 min
Lab File: BN006225.D
Acq: 10 Jun 2019 16:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	21.1	31.7
125	14.3	20.3	30.5#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.848 ng/ul

RT: 25.73 min Scan# 6199

Delta R.T. 0.00 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

Instrument :

BNA_N

ClientSampleId :

A51D0DL

Tot Ion:276 Resp: 67873

Ion Ratio Lower Upper

276 100

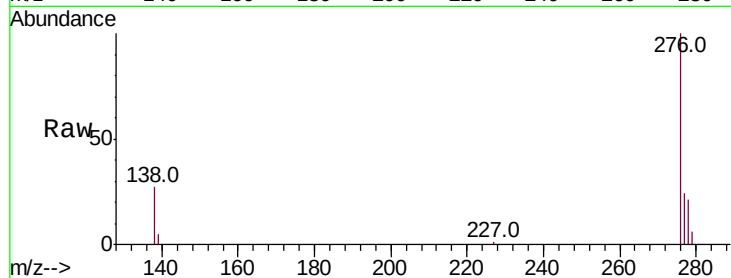
138 24.8 25.6 38.4#

227 0.2 0.3 0.5#

Manual Integrations
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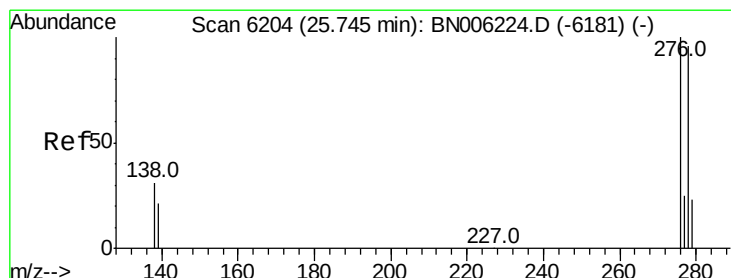
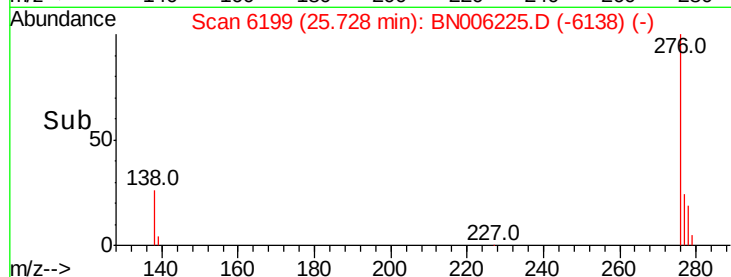
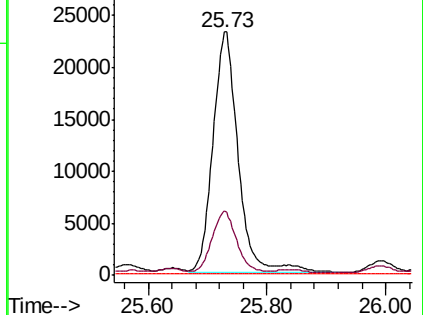
6/11/2019 4:28:08 PM



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: 0.253 ng/ul

RT: 25.74 min Scan# 6201

Delta R.T. -0.00 min

Lab File: BN006225.D

Acq: 10 Jun 2019 16:33

Tgt Ion:278 Resp: 16195

Ion Ratio Lower Upper

278 100

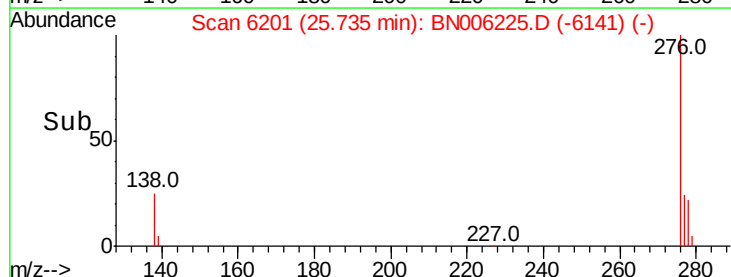
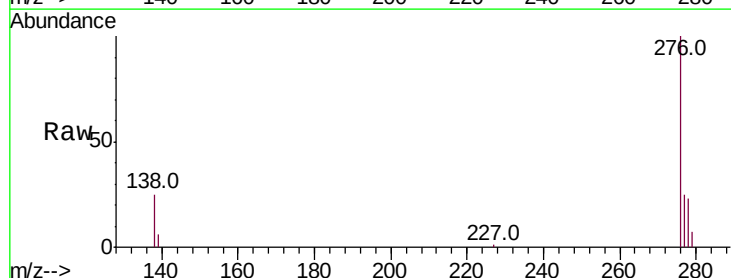
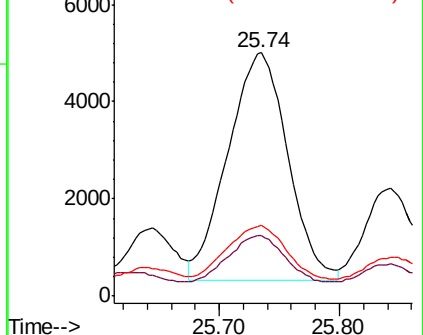
139 25.0 21.2 31.8

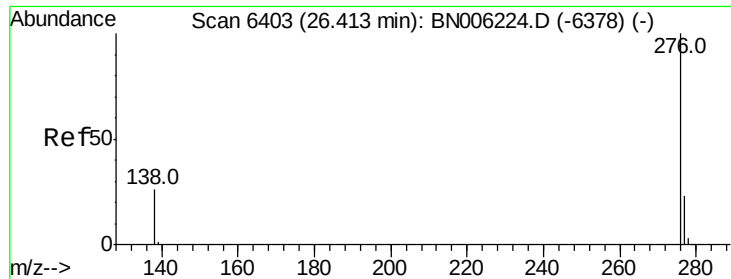
279 28.8 22.6 33.8

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: 0.766 ng/ul
RT: 26.41 min Scan# 6403
Delta R.T. 0.01 min
Lab File: BN006225.D
Acq: 10 Jun 2019 16:33

Instrument :
BNA_N
ClientSampleId :
A51D0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.7	24.2	36.4
277	24.3	21.5	32.3

Manual Integrations
APPROVED

mohammad
6/11/2019 4:28:08 PM

