

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062419\
 Data File : BN006555.D
 Acq On : 25 Jun 2019 05:16
 Operator : HP/JU
 Sample : K3388-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4215

Manual Integrations
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mohammad
 6/25/2019 10:21:20 PM

Quant Time: Jun 25 07:40:55 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 : Tue Jun 25 01:51:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	5754	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	20254	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	9493	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	17336m	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	10956m	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	12461m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	4622	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	9299m	0.20	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.46	128	15976	0.286	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	8023	0.206	ng/ul	99
7) Acenaphthylene	14.00	152	63444	1.202	ng/ul	99
8) Acenaphthene	14.34	153	8834	0.241	ng/ul	99
9) Fluorene	15.34	166	12199	0.285	ng/ul	96
12) Phenanthrene	17.08	178	121286m	2.179	ng/ul	
13) Anthracene	17.17	178	48105m	0.905	ng/ul	
15) Fluoranthene	19.10	202	202063m	3.288	ng/ul	
17) Pyrene	19.47	202	180497	3.128	ng/ul	99
18) Benzo(a)anthracene	21.24	228	95022m	1.961	ng/ul	
19) Chrysene	21.29	228	96698	2.126	ng/ul	94
21) Benzo(b)fluoranthene	22.81	252	221629m	4.265	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	69149m	1.366	ng/ul	
23) Benzo(a)pyrene	23.38	252	176640m	3.650	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.72	276	196015	3.742	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.71	278	45958m	1.098	ng/ul	
26) Benzo(a,h,i)perylene	26.40	276	211431	4.819	ng/ul	95

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

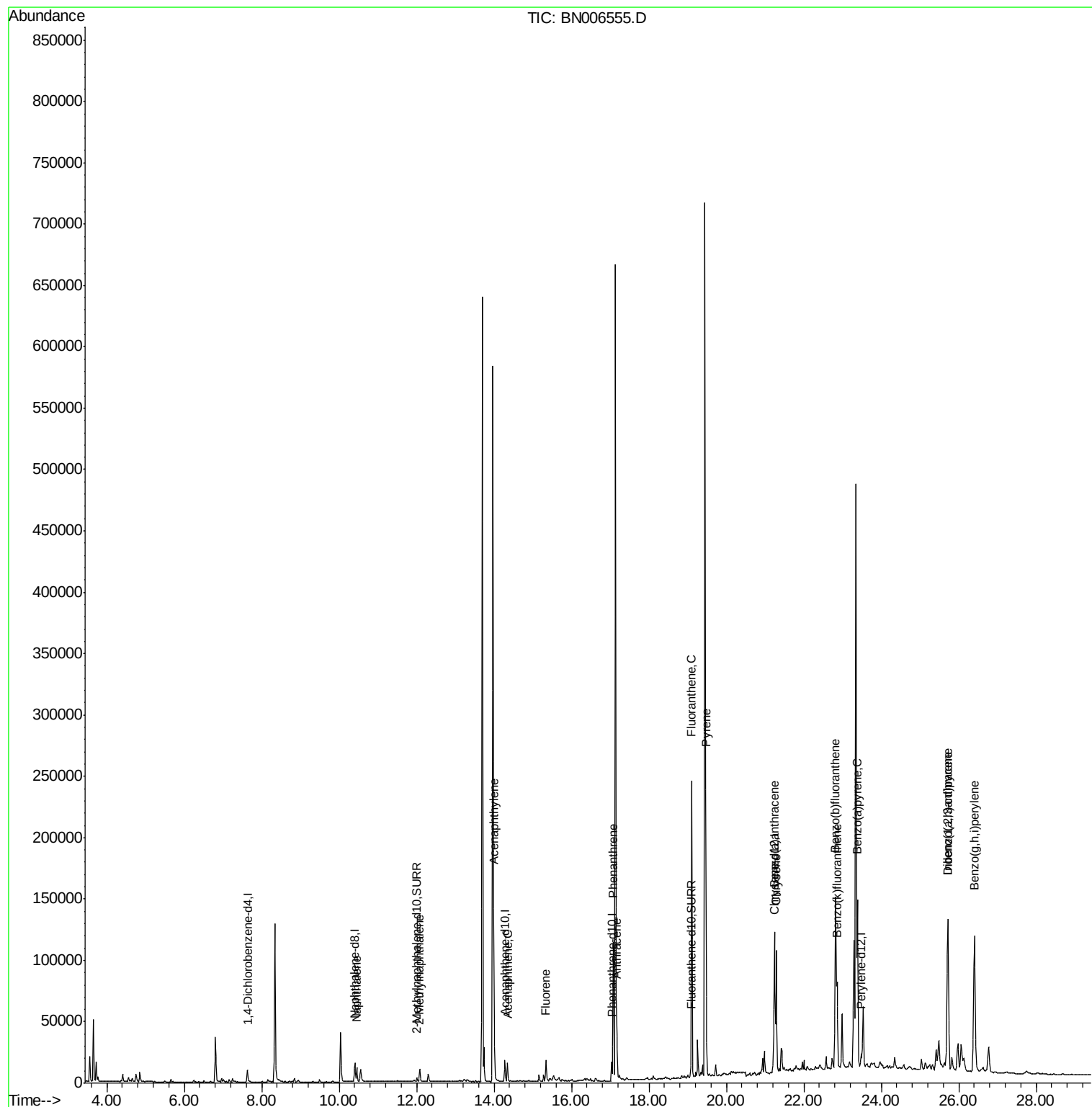
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062419\
Data File : BN006555.D
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ALS Vial : 32 Sample Multiplier: 1

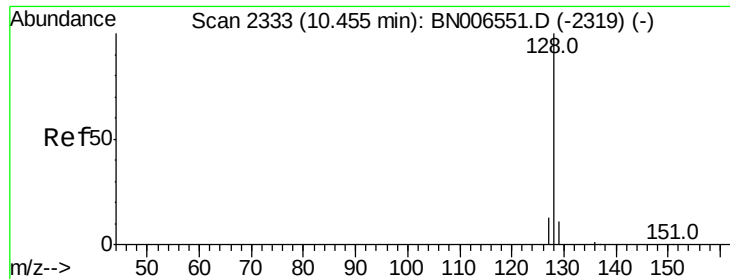
Instrument :
BNA_N
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A4215

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Quant Time: Jun 25 07:40:55 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 : Tue Jun 25 01:51:13 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.286 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BN006555.D

Acq: 25 Jun 2019 05:16

Instrument :

BNA_N

ClientSampleId :

A4215

Tot Ion:128 Resp: 15976

Ion Ratio Lower Upper

128 100

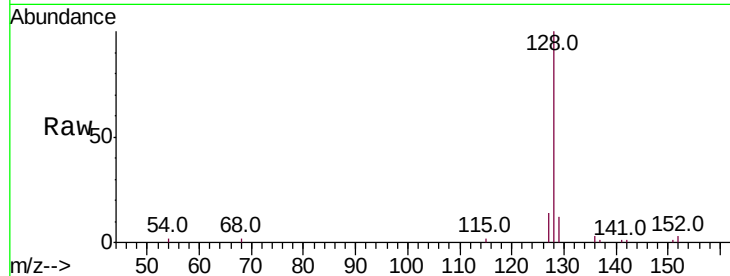
129 12.2 9.3 13.9

127 13.6 10.7 16.1

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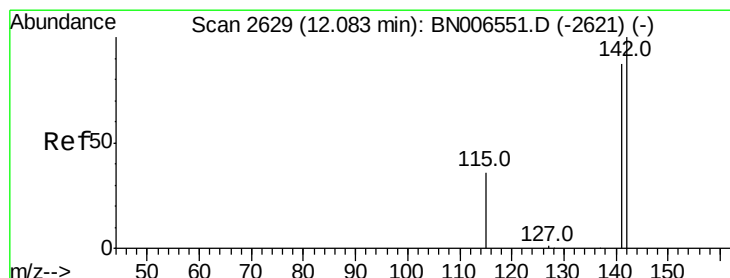
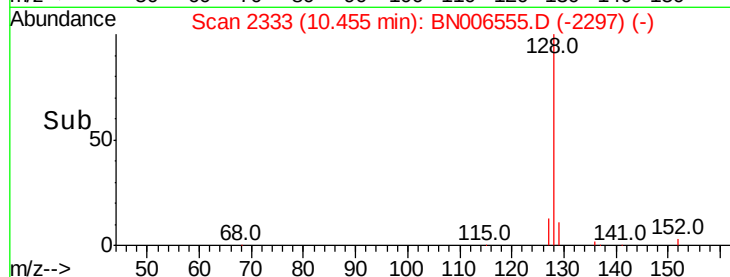
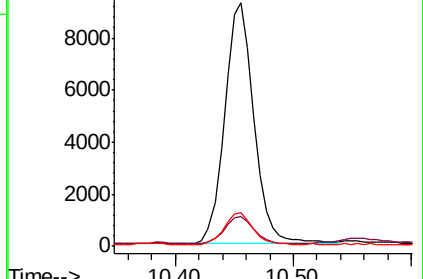
6/25/2019 10:21:20 PM



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: 0.206 ng/ul

RT: 12.08 min Scan# 2628

Delta R.T. -0.01 min

Lab File: BN006555.D

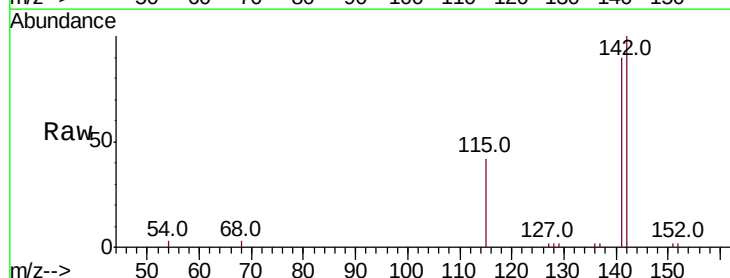
Acq: 25 Jun 2019 05:16

Tgt Ion:142 Resp: 8023

Ion Ratio Lower Upper

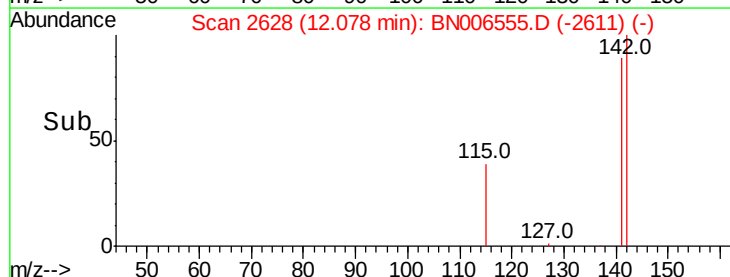
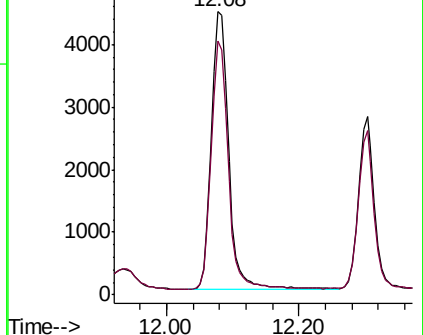
142 100

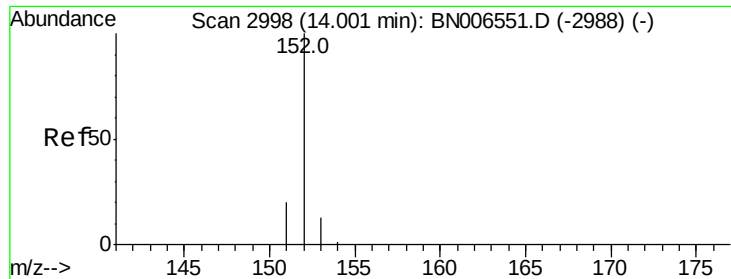
141 87.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.202 ng/ul

RT: 14.00 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BN006555.D

Acq: 25 Jun 2019 05:16

Instrument :

BNA_N

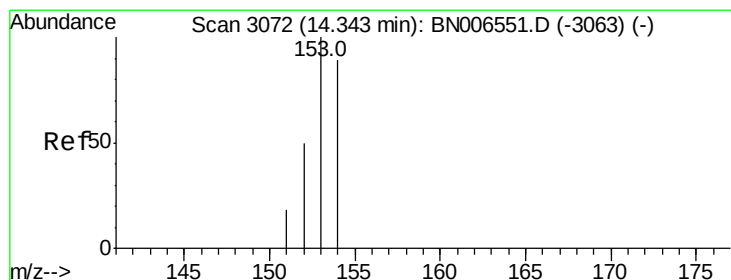
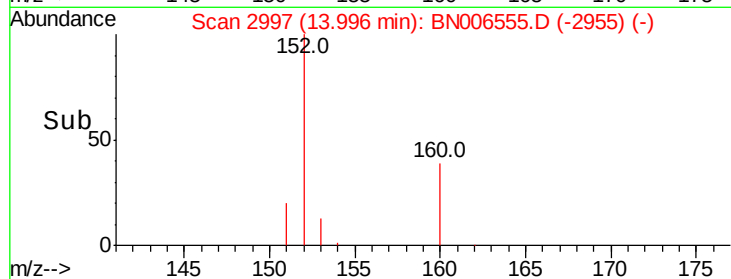
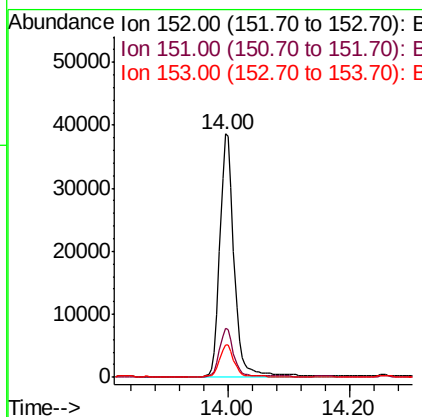
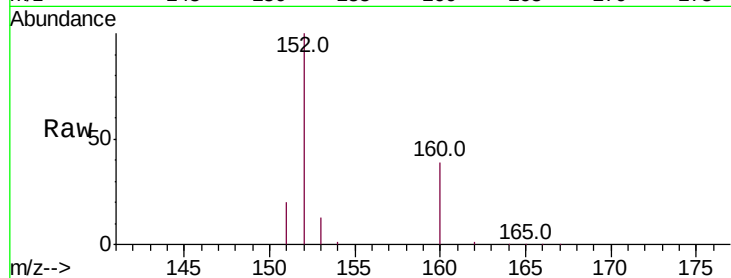
ClientSampleId :

A4215

Tot Ion:	152	Resp:	63444
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.8	23.8
153	13.3	10.8	16.2

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#8

Acenaphthene

Concen: 0.241 ng/ul

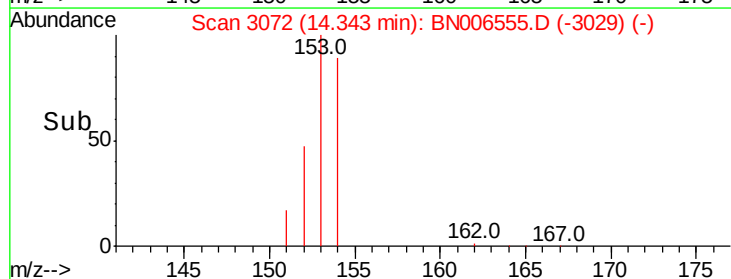
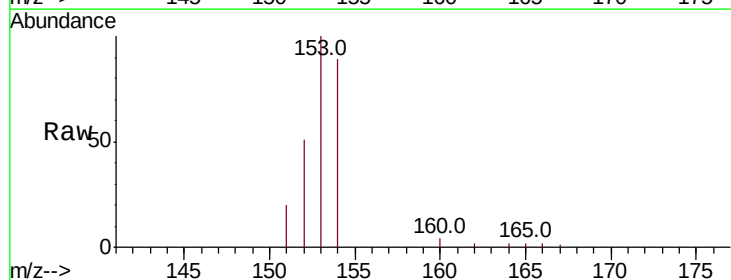
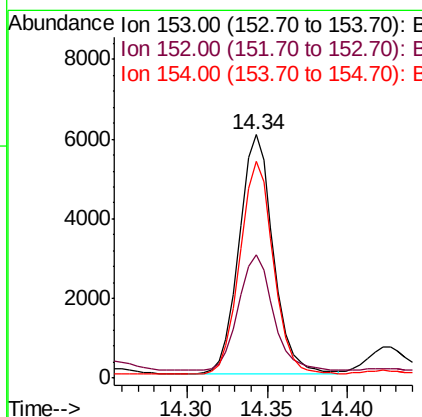
RT: 14.34 min Scan# 3072

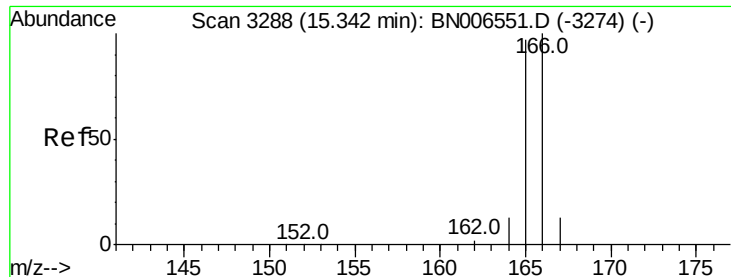
Delta R.T. 0.00 min

Lab File: BN006555.D

Acq: 25 Jun 2019 05:16

Tgt Ion:	153	Resp:	8834
Ion Ratio	Lower	Upper	
153	100		
152	50.8	39.1	58.7
154	88.9	71.1	106.7





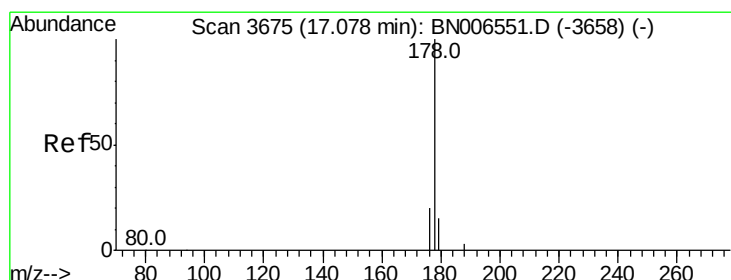
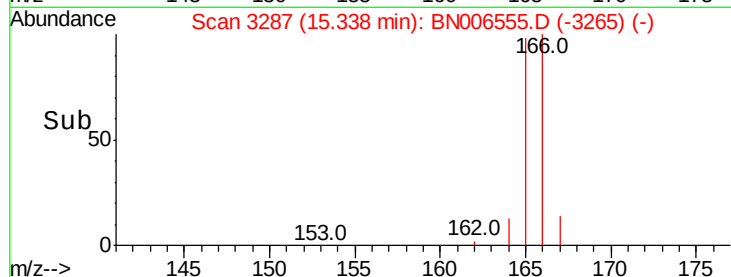
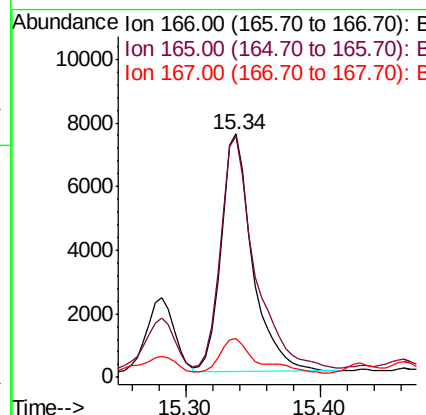
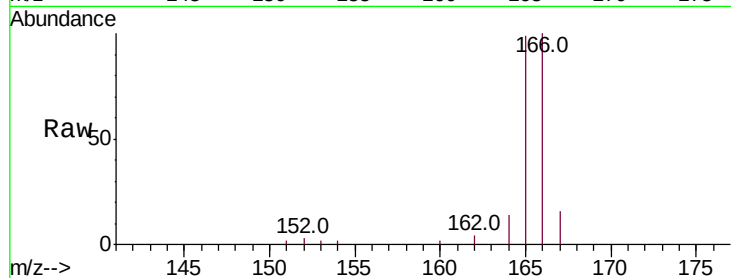
#9
Fluorene
Concen: 0.285 ng/ul
RT: 15.34 min Scan# 3287
Delta R.T. 0.00 min
Lab File: BN006555.D
Acq: 25 Jun 2019 05:16

Instrument :
BNA_N
ClientSampleId :
A4215

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	76.4	114.6
167	15.9	11.0	16.6

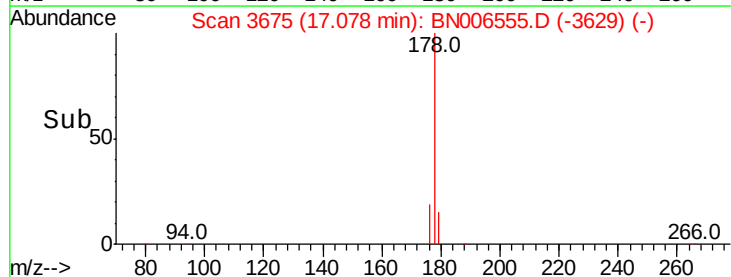
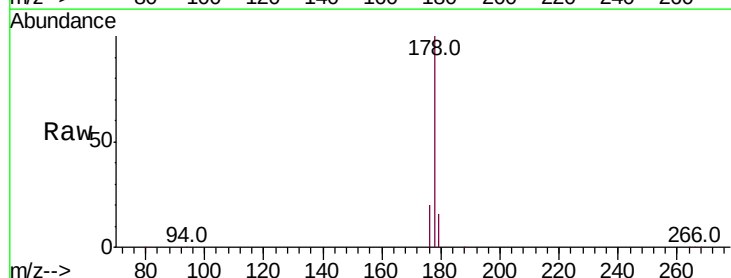
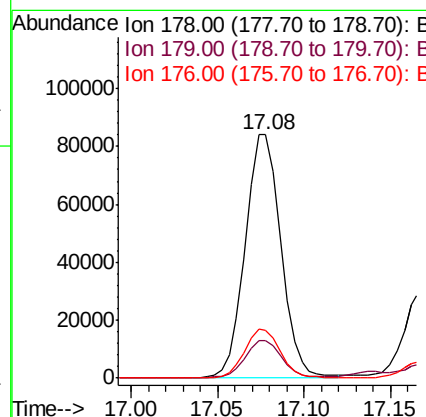
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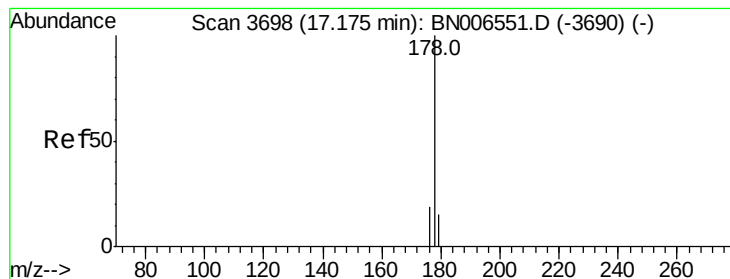
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#12
Phenanthrene
Concen: 2.179 ng/ul m
RT: 17.08 min Scan# 3675
Delta R.T. -0.00 min
Lab File: BN006555.D
Acq: 25 Jun 2019 05:16

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.6	15.3	22.9





#13

Anthracene

Concen: 0.905 ng/ul m

RT: 17.17 min Scan# 3696

Delta R.T. -0.01 min

Lab File: BN006555.D

Acq: 25 Jun 2019 05:16

Instrument :

BNA_N

ClientSampled :

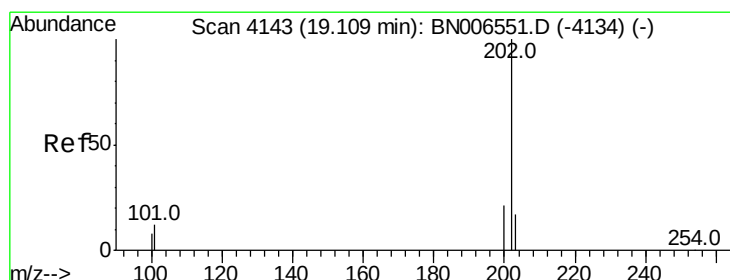
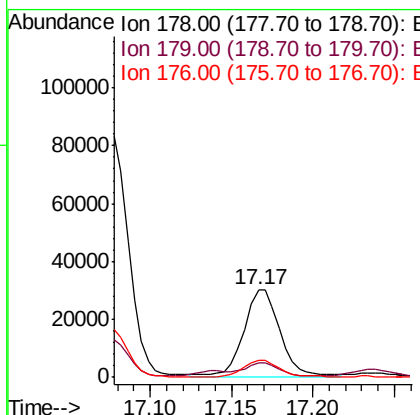
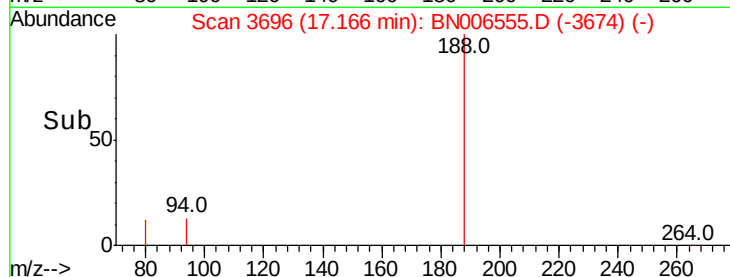
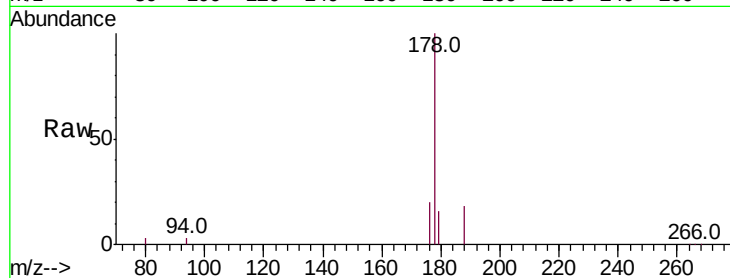
A4215

Tot Ion:178 Resp: 48105

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.4
176	19.8	15.1	22.7

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#15

Fluoranthene

Concen: 3.288 ng/ul m

RT: 19.10 min Scan# 4142

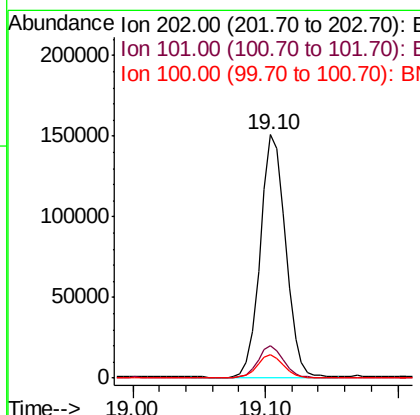
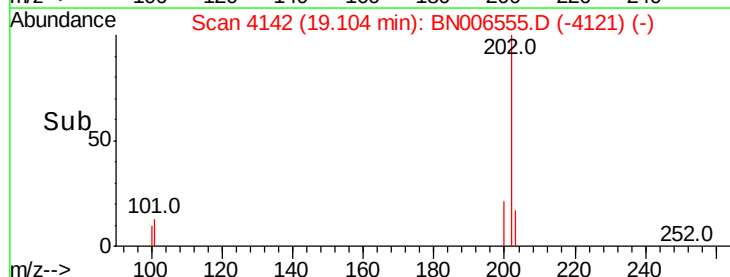
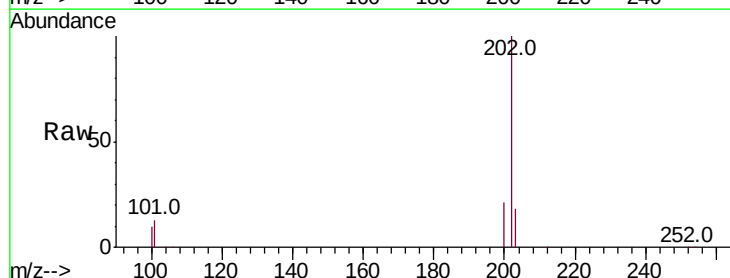
Delta R.T. -0.00 min

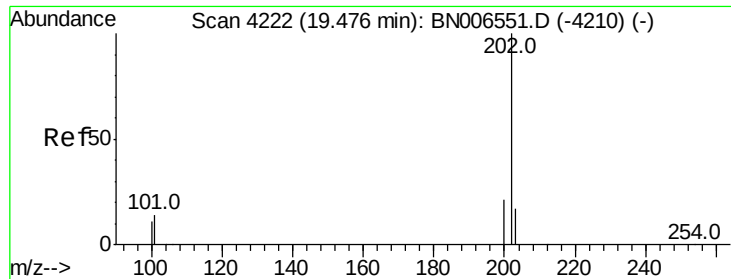
Lab File: BN006555.D

Acq: 25 Jun 2019 05:16

Tgt Ion:202 Resp: 202063

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	32.1
100	9.7	0.0	28.7





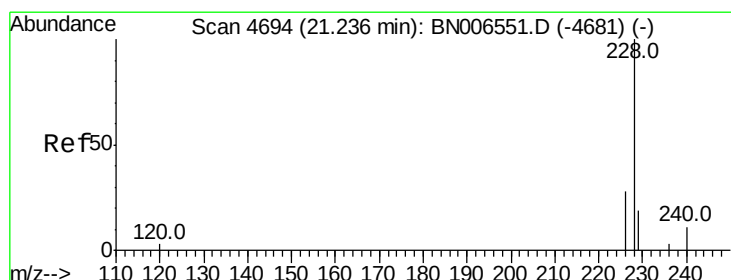
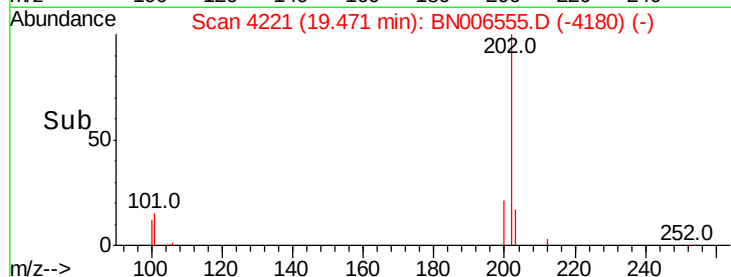
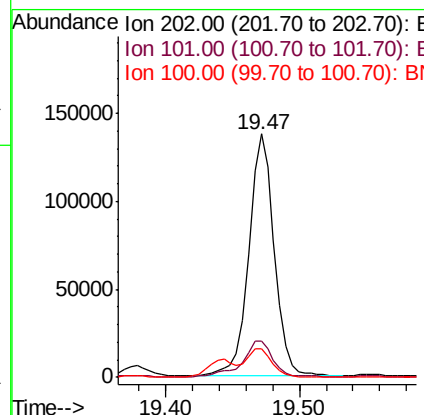
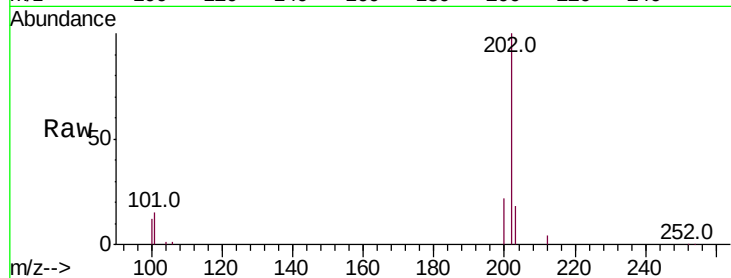
#17
Pvrene
Concen: 3.128 ng/ul
RT: 19.47 min Scan# 4221
Delta R.T. -0.01 min
Lab File: BN006555.D
Acq: 25 Jun 2019 05:16

Instrument :
BNA_N
ClientSampleId :
A4215

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.1	12.2	18.2
100	11.7	9.8	14.6

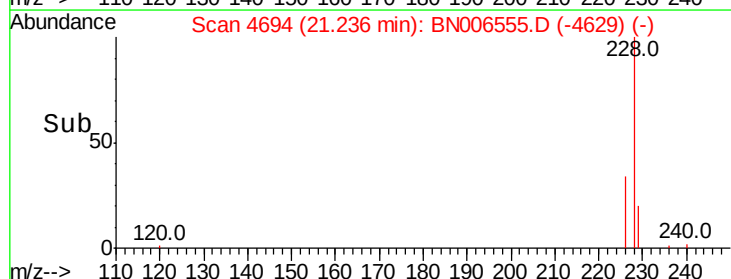
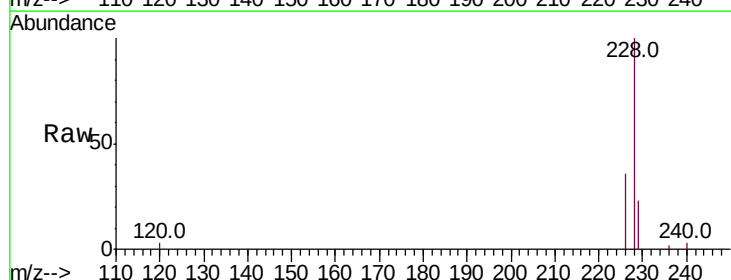
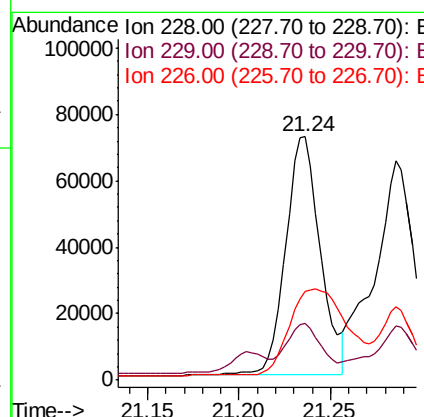
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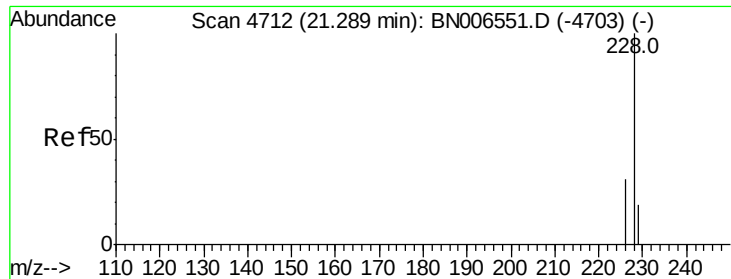
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#18
Benzo(a)anthracene
Concen: 1.961 ng/ul m
RT: 21.24 min Scan# 4694
Delta R.T. -0.01 min
Lab File: BN006555.D
Acq: 25 Jun 2019 05:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.0	16.5	24.7
226	36.3	22.8	34.2#





#19

Chrysene

Concen: 2.126 ng/ul

RT: 21.29 min Scan# 4711

Delta R.T. -0.01 min

Lab File: BN006555.D

Acq: 25 Jun 2019 05:16

Instrument :

BNA_N

ClientSampled :

A4215

Tot Ion:228 Resp: 96698

Ion Ratio Lower Upper

228 100

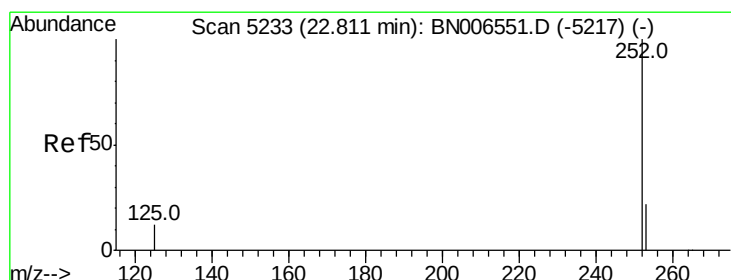
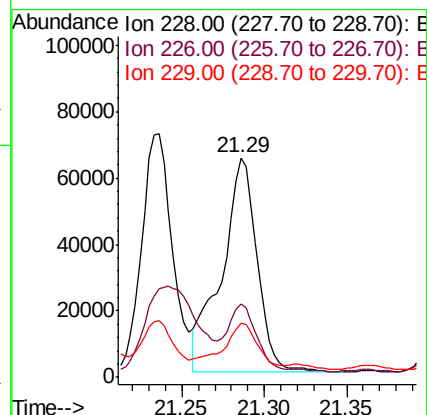
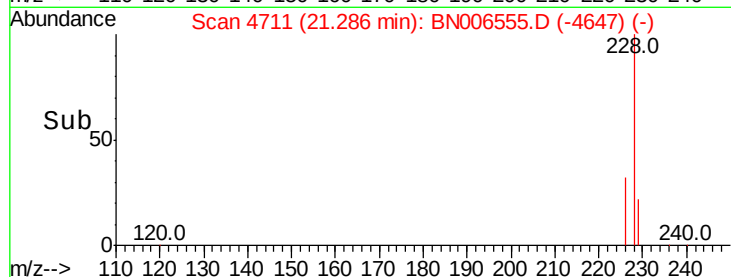
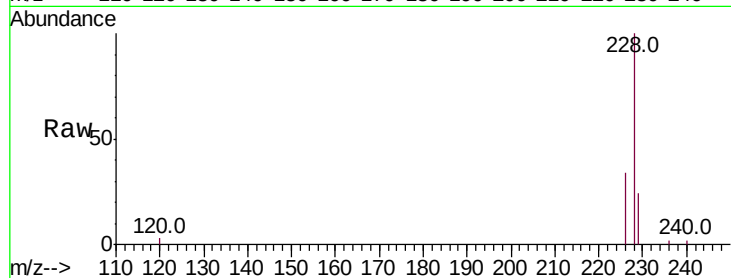
226 33.6 25.0 37.6

229 24.4 16.3 24.5

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#21

Benzo(b)fluoranthene

Concen: 4.265 ng/ul m

RT: 22.81 min Scan# 5234

Delta R.T. -0.02 min

Lab File: BN006555.D

Acq: 25 Jun 2019 05:16

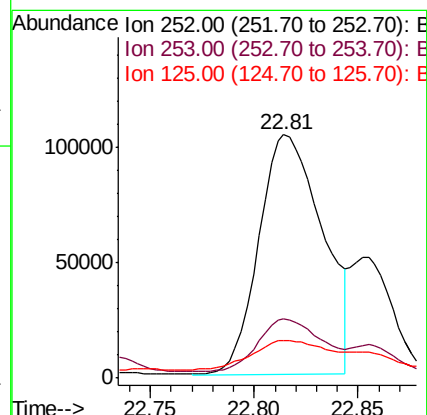
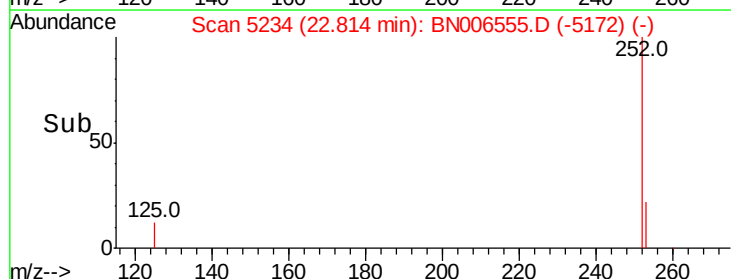
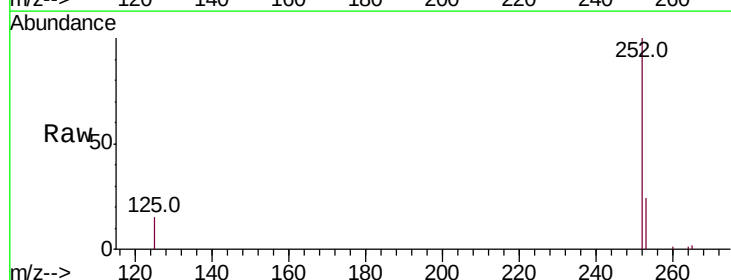
Tgt Ion:252 Resp: 221629

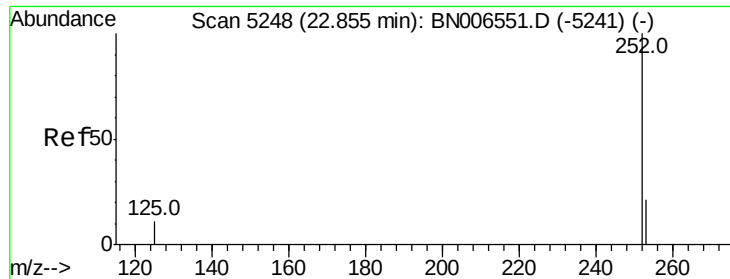
Ion Ratio Lower Upper

252 100

253 24.1 0.0 51.4

125 15.4 0.0 41.0





#22

Benzo(k)fluoranthene

Concen: 1.366 ng/ul m

RT: 22.86 min Scan# 5248

Delta R.T. -0.02 min

Lab File: BN006555.D

Acq: 25 Jun 2019 05:16

Instrument :

BNA_N

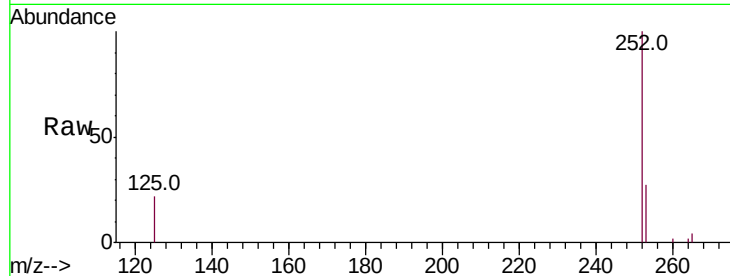
ClientSampleId :

A4215

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	20.3	30.5
125	21.7	14.3	21.5#

Manual Integrations
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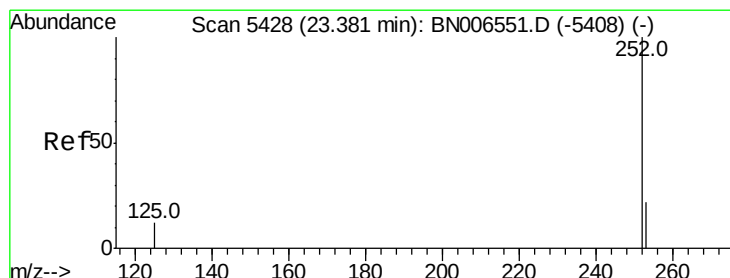
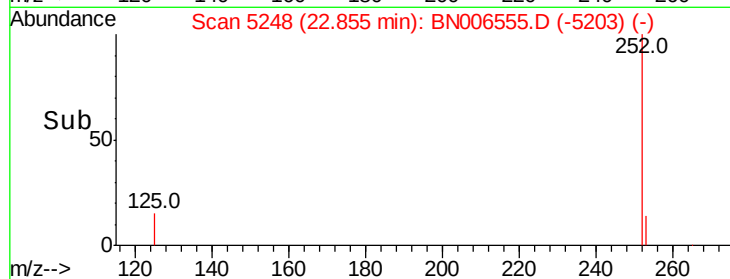
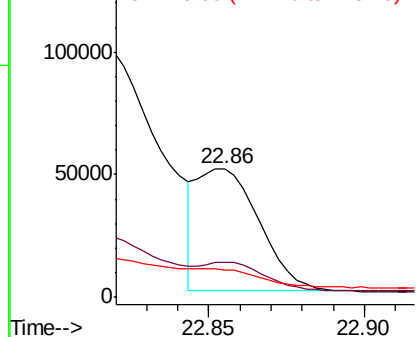


Abundance

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: 3.650 ng/ul m

RT: 23.38 min Scan# 5429

Delta R.T. -0.02 min

Lab File: BN006555.D

Acq: 25 Jun 2019 05:16

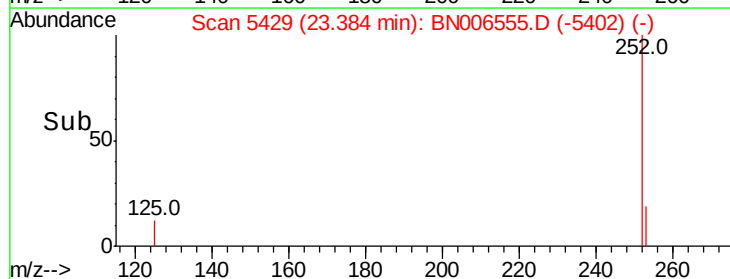
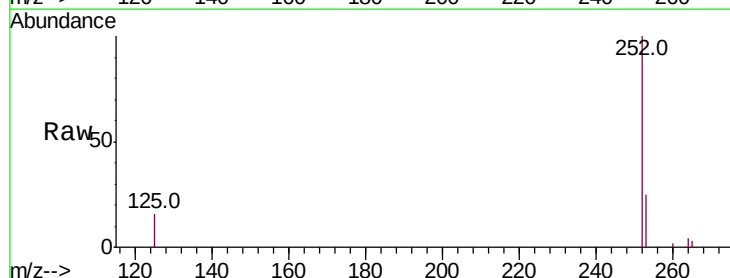
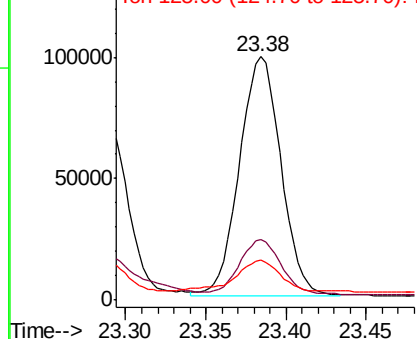
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	21.1	31.7
125	16.2	20.3	30.5#

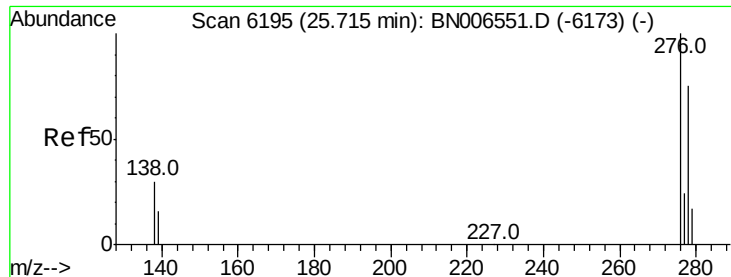
Abundance

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





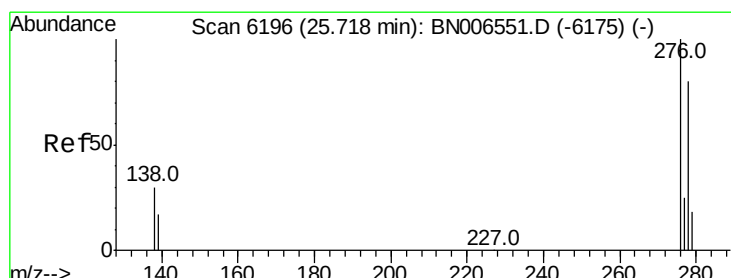
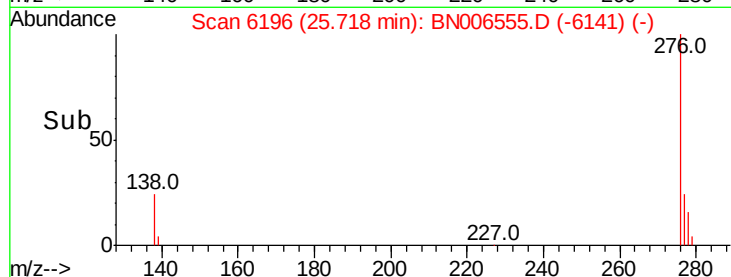
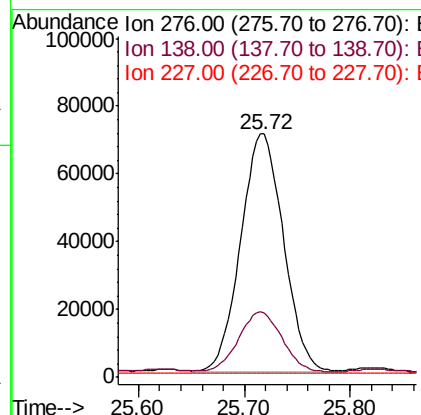
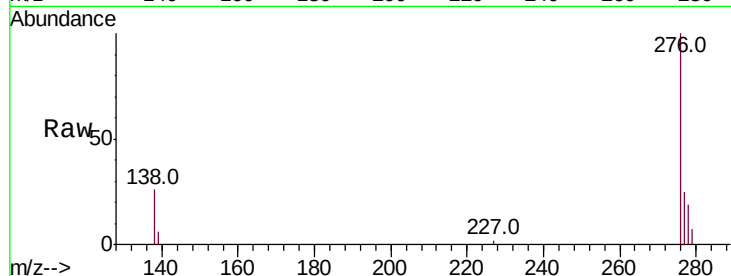
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.742 ng/ul
 RT: 25.72 min Scan# 6196
 Delta R.T. -0.02 min
 Lab File: BN006555.D
 Acq: 25 Jun 2019 05:16

Instrument :
 BNA_N
 ClientSampleId :
 A4215

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	25.6	38.4#
227	0.2	0.3	0.5#

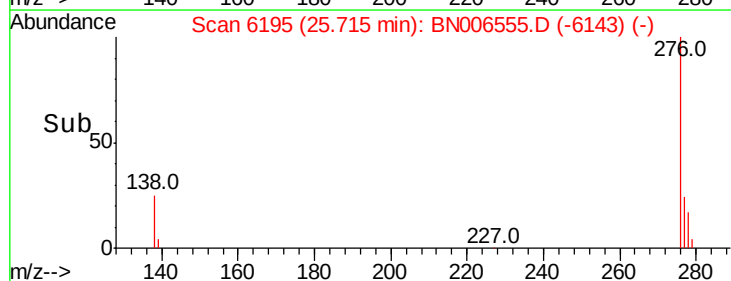
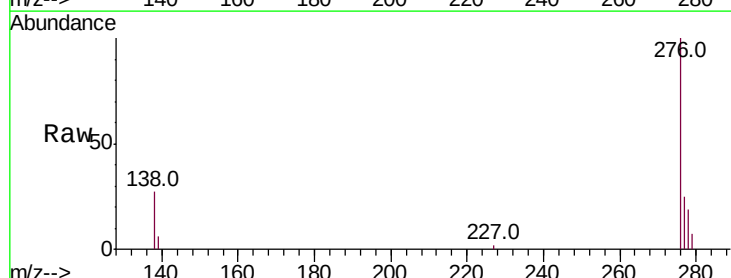
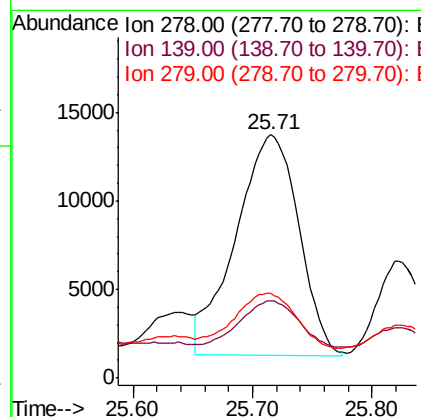
Manual Integrations
 APPROVED

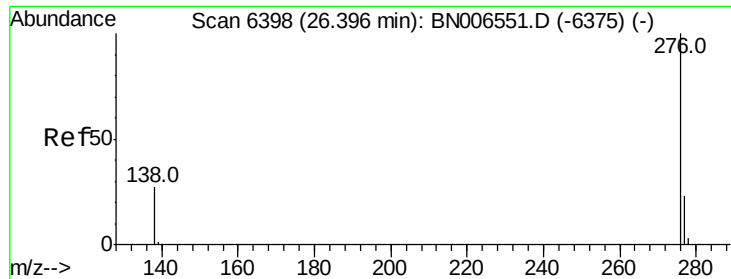
mohammad
 6/25/2019 10:21:20 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.098 ng/ul m
 RT: 25.71 min Scan# 6195
 Delta R.T. -0.03 min
 Lab File: BN006555.D
 Acq: 25 Jun 2019 05:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.7	21.2	31.8
279	35.0	22.6	33.8#





#26
 Benzo(a,h,i)perylene
 Concen: 4.819 ng/ul
 RT: 26.40 min Scan# 6400
 Delta R.T. -0.02 min
 Lab File: BN006555.D
 Acq: 25 Jun 2019 05:16

Instrument :
 BNA_N
 ClientSampleId :
 A4215

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	24.2	36.4
277	24.9	21.5	32.3

Manual Integrations
 APPROVED

mohammad
 6/25/2019 10:21:20 PM

