

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008328.D
 Acq On : 22 Oct 2019 23:09
 Operator : JU
 Sample : K5223-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPE0

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:05:41 AM

Quant Time: Oct 23 02:22:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 23:58:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1804	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8903	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5707	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	12601	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	11607	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	10121	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2712	0.18	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	8703	0.20	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.39	128	2456	0.097	ng/ul#	94
5) 2-Methylnaphthalene	12.02	142	1350	0.078	ng/ul	99
7) Acenaphthylene	13.94	152	2520	0.093	ng/ul#	92
8) Acenaphthene	14.28	153	6380	0.302	ng/ul	98
9) Fluorene	15.27	166	6955	0.290	ng/ul	98
12) Phenanthrene	17.01	178	115588	3.133	ng/ul	99
13) Anthracene	17.10	178	24692	0.761	ng/ul	100
15) Fluoranthene	19.03	202	155163	3.184	ng/ul	97
17) Pyrene	19.40	202	133208	2.882	ng/ul	100
18) Benzo(a)anthracene	21.16	228	69908	1.657	ng/ul	98
19) Chrysene	21.21	228	65056	1.256	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	63130m	1.916	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	20716m	0.555	ng/ul	
23) Benzo(a)pyrene	23.25	252	46160	1.331	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.50	276	22398	0.549	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.50	278	5730	0.178	ng/ul#	87
26) Benzo(a,h,i)perylene	26.15	276	19098	0.510	ng/ul	98

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

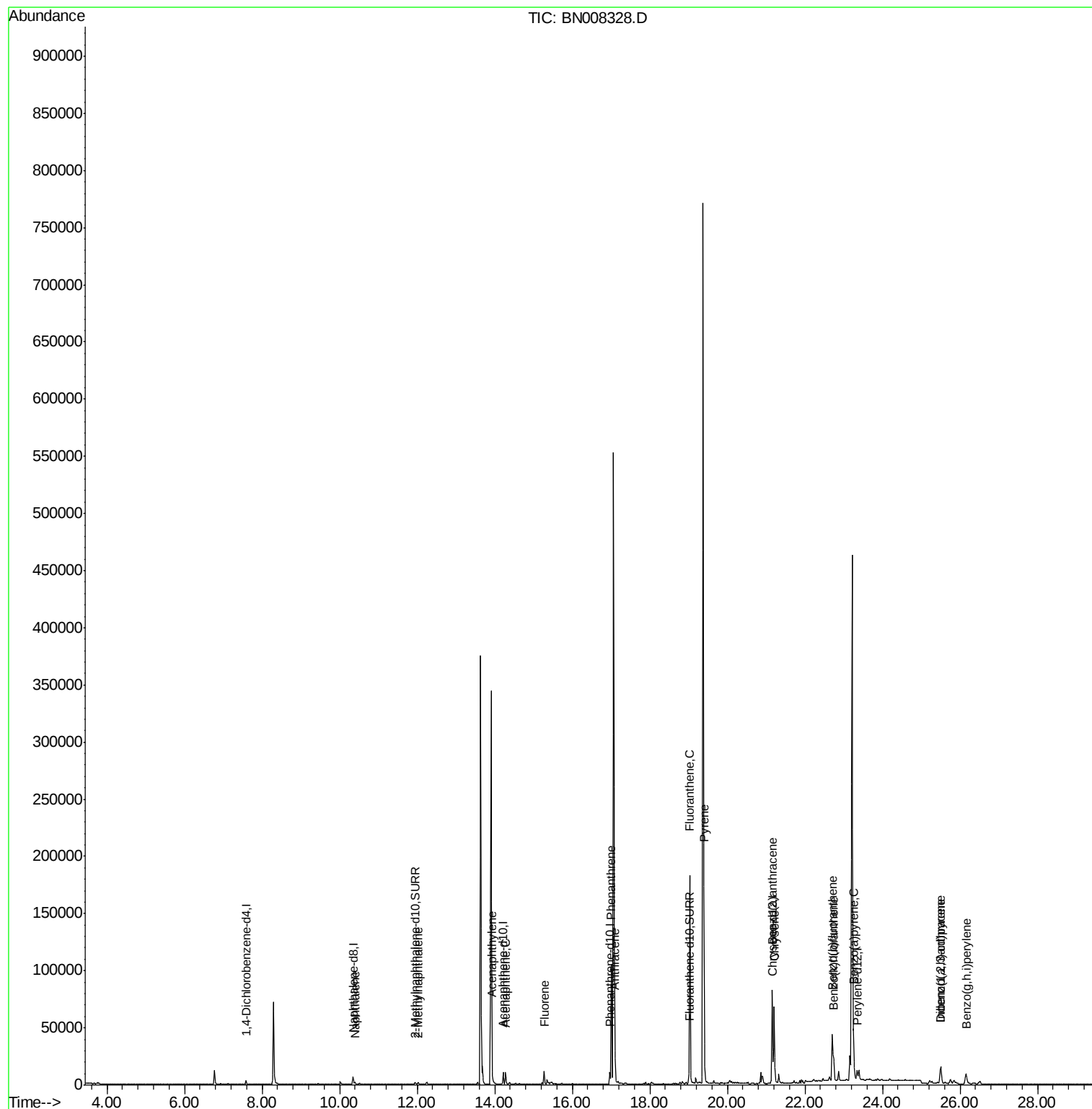
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008328.D
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Sample : K5223-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

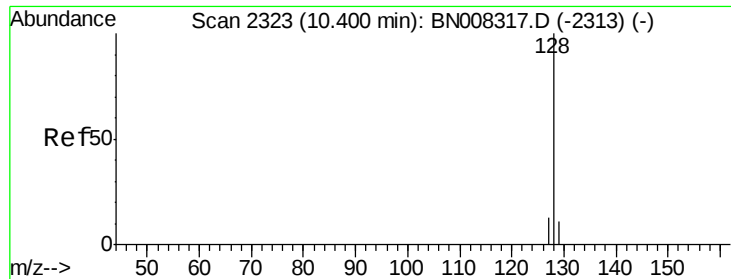
Instrument :
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Quant Time: Oct 23 02:22:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:58:15 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.097 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

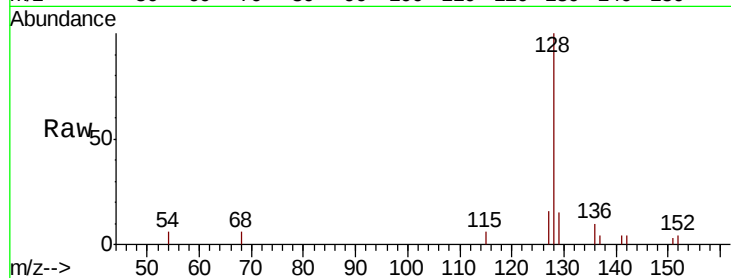
BEPE0

Tot Ion:128 Resp: 2456

Ion	Ratio	Lower	Upper
128	100		
129	15.4	9.8	14.8#
127	15.9	11.1	16.7

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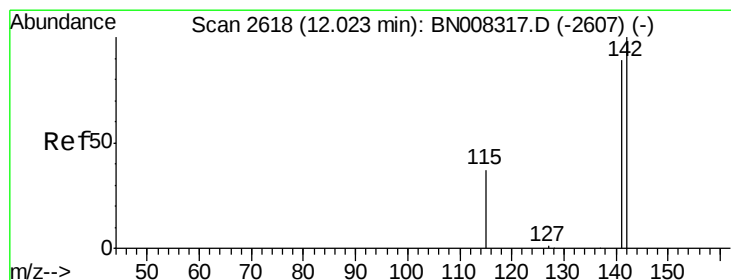
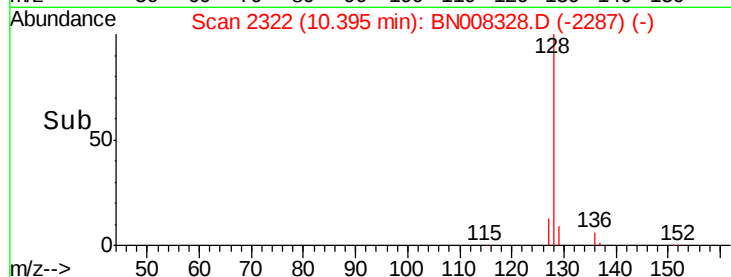
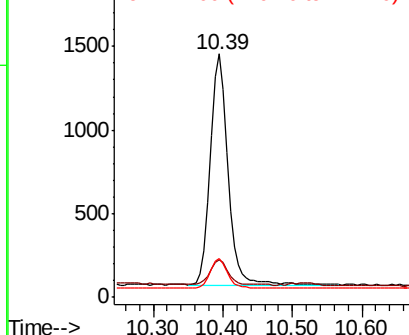
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.078 ng/ul

RT: 12.02 min Scan# 2618

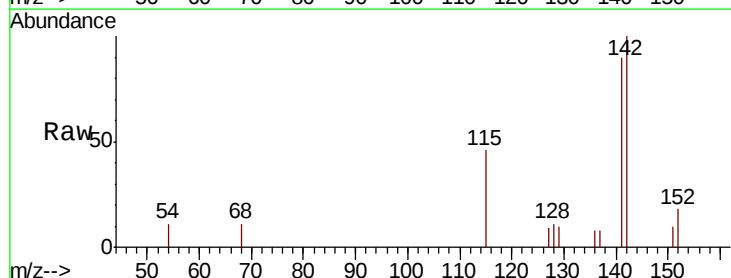
Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

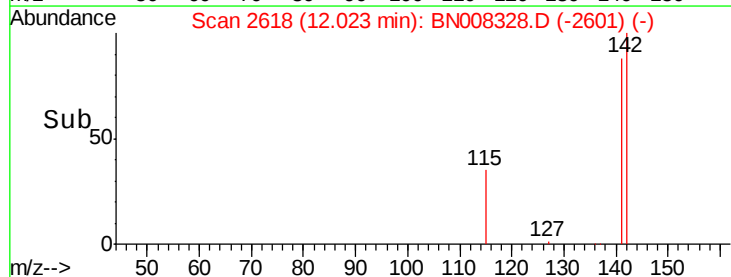
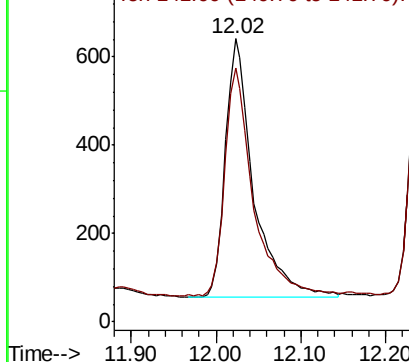
Tgt Ion:142 Resp: 1350

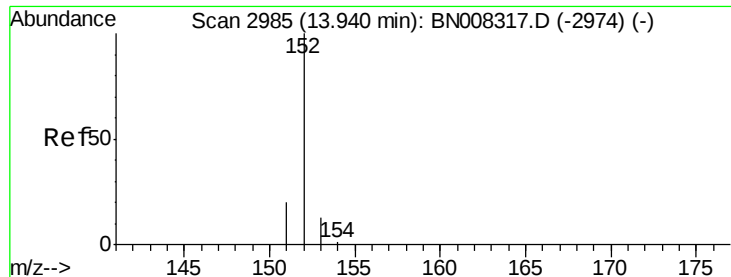
Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.4	107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.093 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

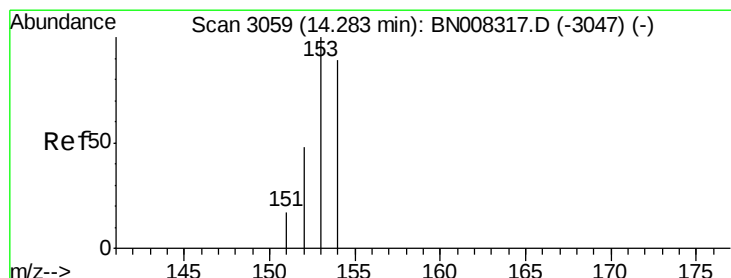
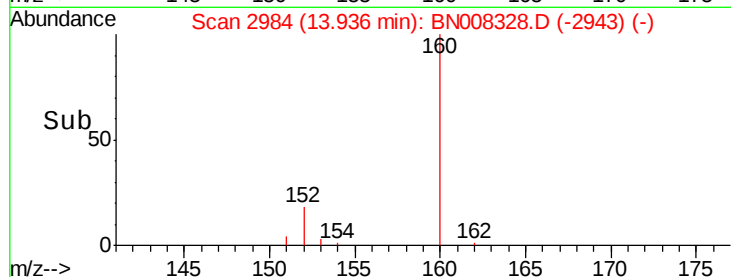
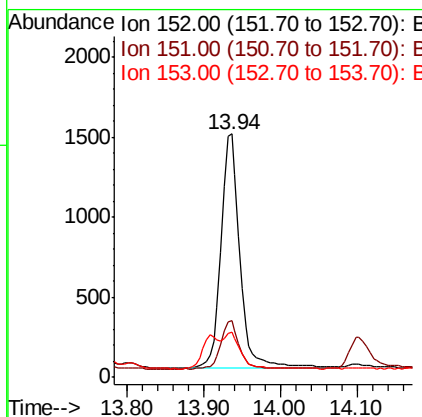
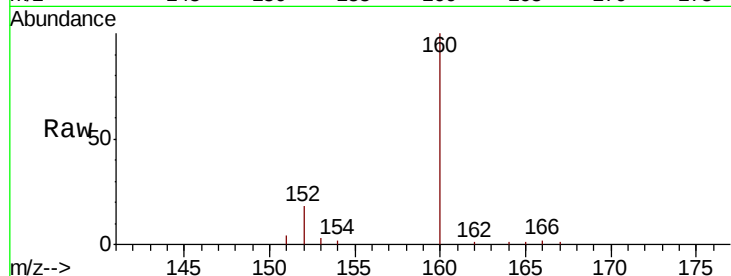
ClientSampleId :

BEPE0

Tot Ion:	152	Resp:	2520
Ion Ratio	Lower	Upper	
152	100		
151	23.1	16.2	24.4
153	18.4	11.0	16.4#

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#8

Acenaphthene

Concen: 0.302 ng/ul

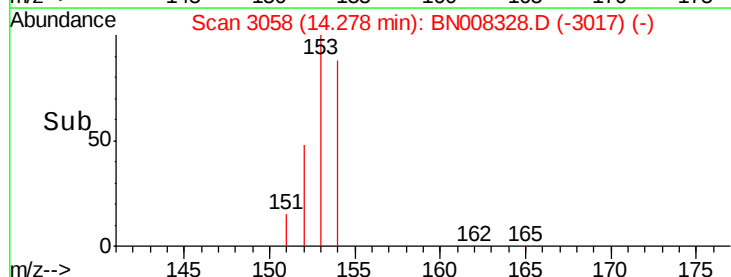
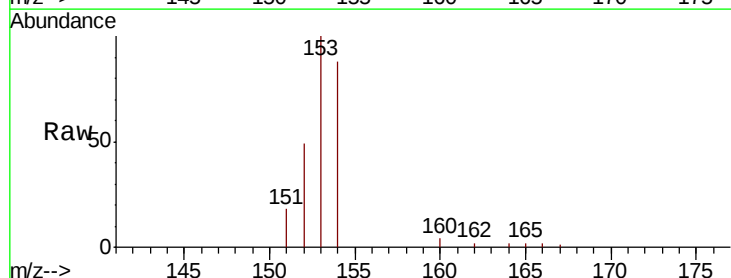
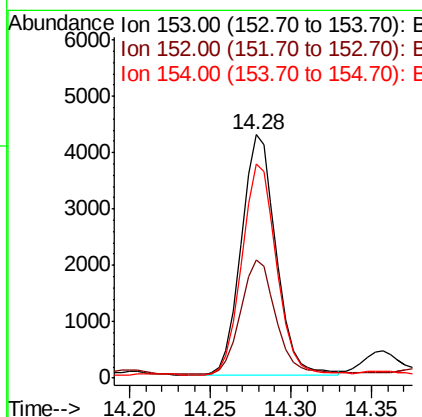
RT: 14.28 min Scan# 3058

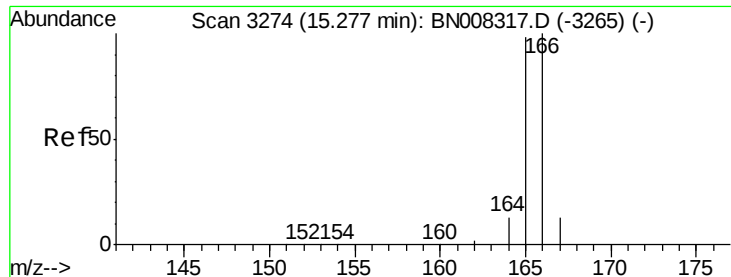
Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Tgt Ion:	153	Resp:	6380
Ion Ratio	Lower	Upper	
153	100		
152	48.6	38.2	57.2
154	87.8	71.8	107.8





#9

Fluorene

Concen: 0.290 ng/ul

RT: 15.27 min Scan# 3273

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

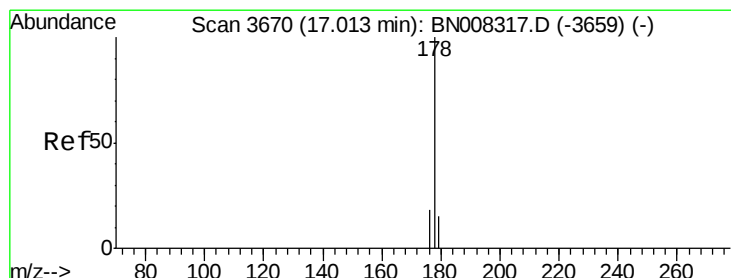
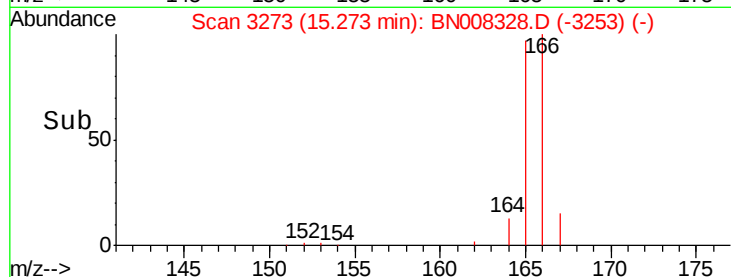
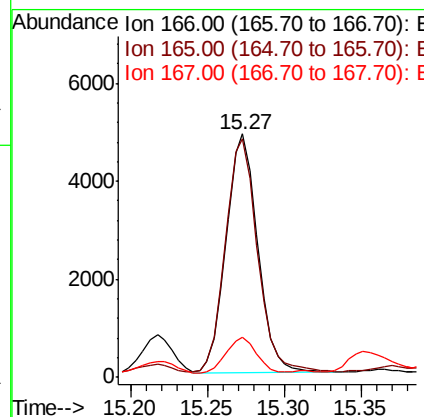
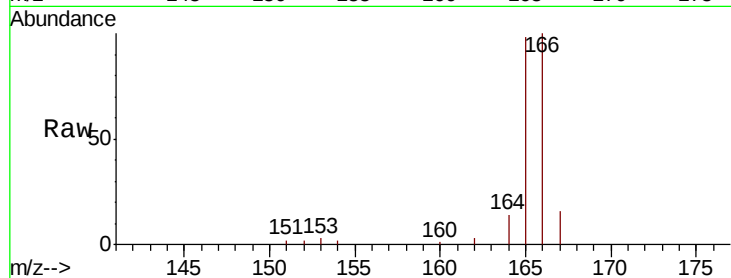
BEPE0

Tot Ion:166 Resp: 6955

Ion	Ratio	Lower	Upper
166	100		
165	97.7	76.6	115.0
167	16.3	11.7	17.5

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#12

Phenanthrene

Concen: 3.133 ng/ul

RT: 17.01 min Scan# 3669

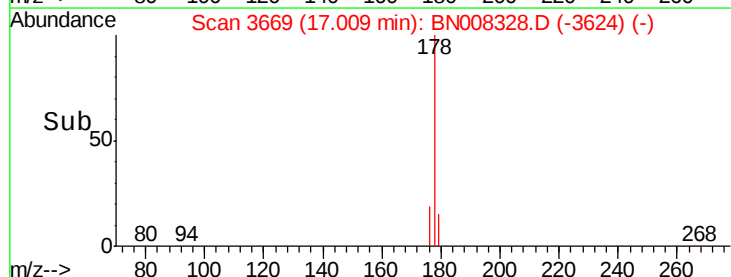
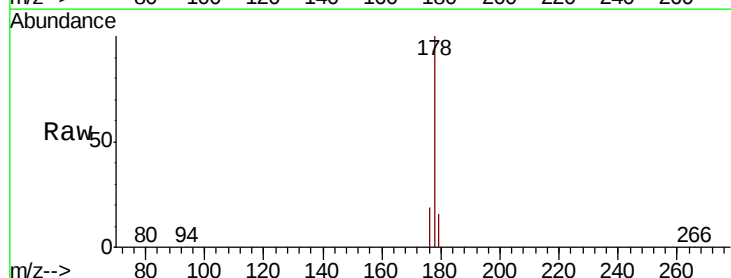
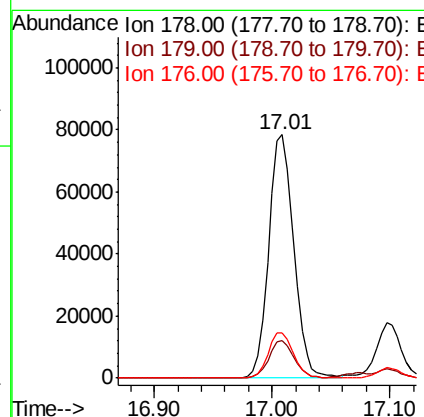
Delta R.T. -0.01 min

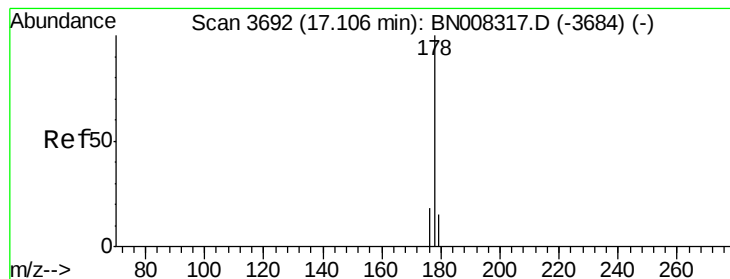
Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Tgt Ion:178 Resp: 115588

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2
176	18.7	15.4	23.2





#13

Anthracene

Concen: 0.761 ng/ul

RT: 17.10 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

BEPE0

Tot Ion:178 Resp: 24692

Ion Ratio Lower Upper

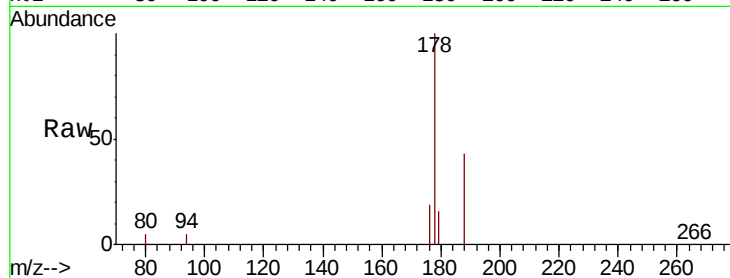
178 100

179 16.3 13.0 19.6

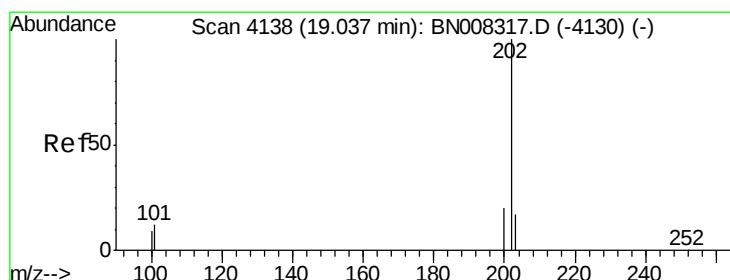
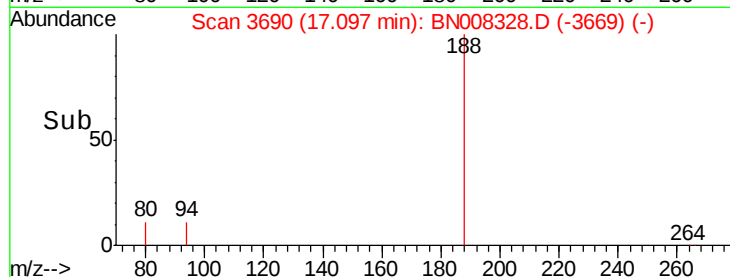
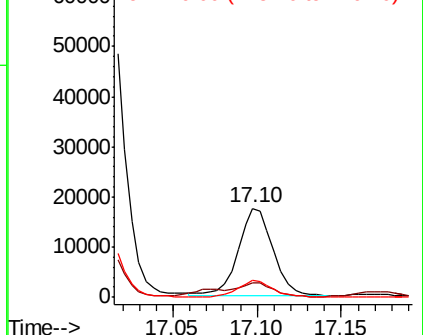
176 18.5 15.0 22.6

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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



#15

Fluoranthene

Concen: 3.184 ng/ul

RT: 19.03 min Scan# 4137

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

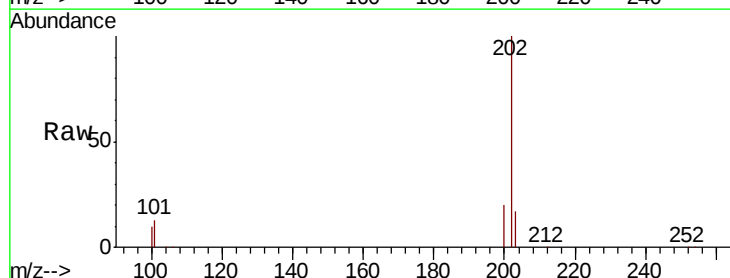
Tgt Ion:202 Resp: 155163

Ion Ratio Lower Upper

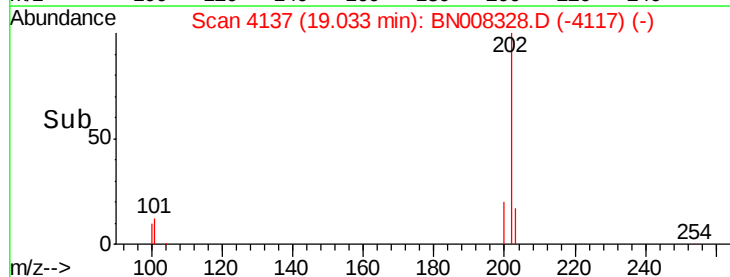
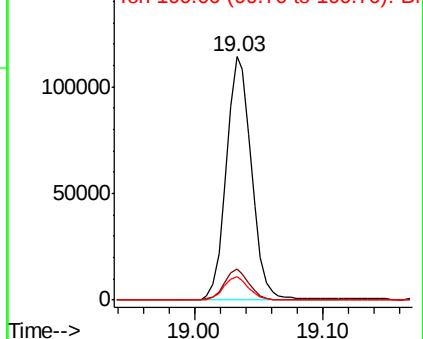
202 100

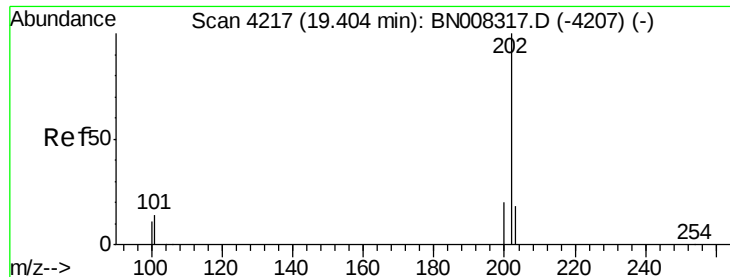
101 12.6 0.0 31.2

100 9.6 0.0 28.5



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





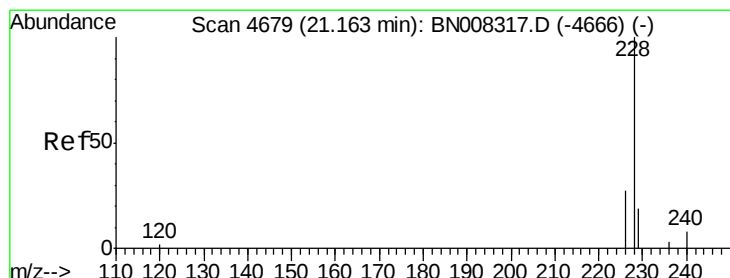
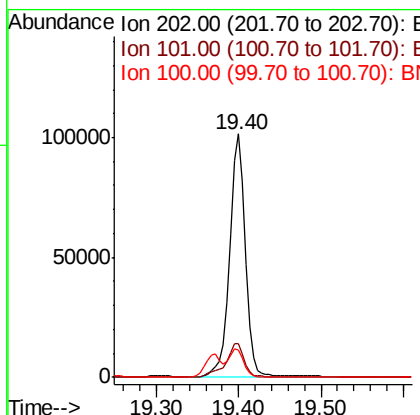
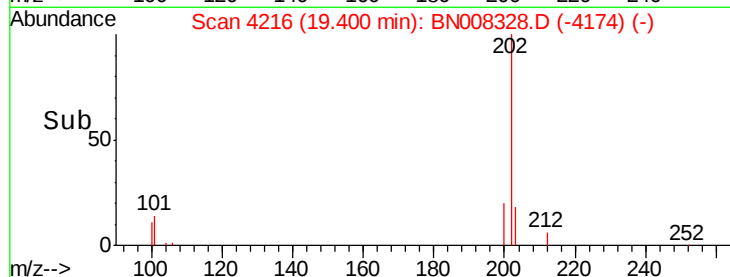
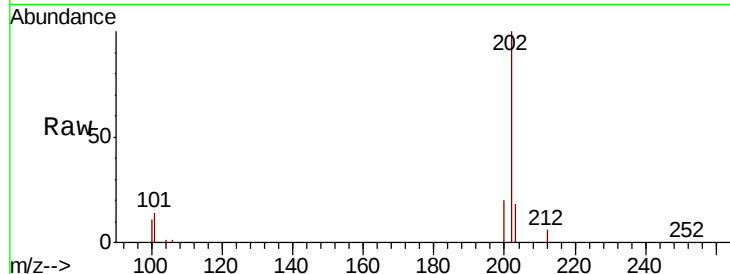
#17
Pvrene
Concen: 2.882 ng/ul
RT: 19.40 min Scan# 4216
Delta R.T. -0.00 min
Lab File: BN008328.D
Acq: 22 Oct 2019 23:09

Instrument :
BNA_N
ClientSampleId :
BEPE0

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	10.9	16.3
100	11.1	8.7	13.1

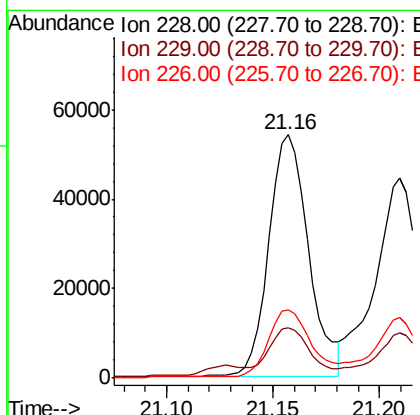
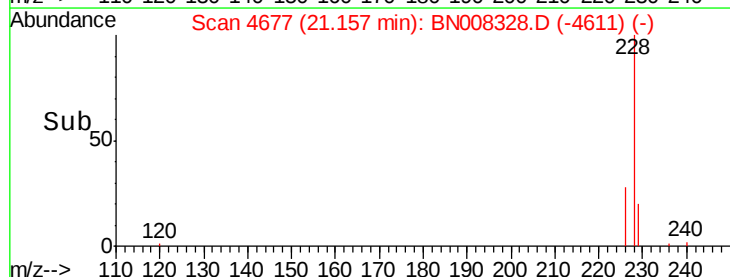
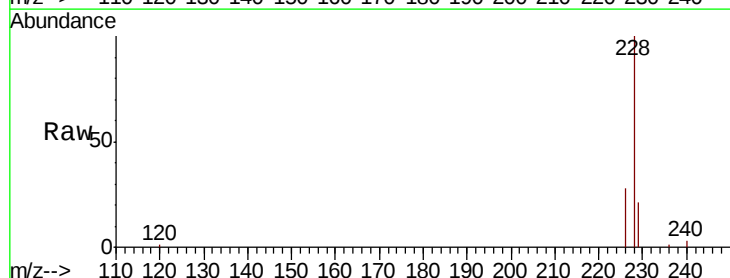
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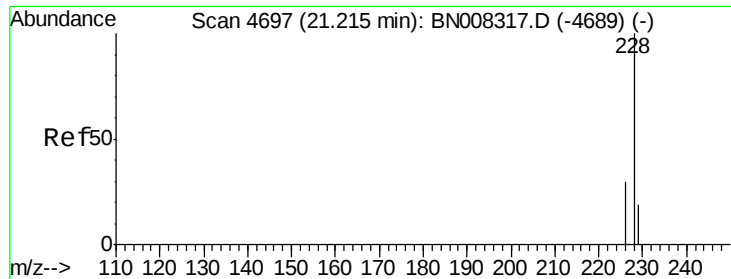
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#18
Benzo(a)anthracene
Concen: 1.657 ng/ul
RT: 21.16 min Scan# 4677
Delta R.T. -0.01 min
Lab File: BN008328.D
Acq: 22 Oct 2019 23:09

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.9	16.2	24.2
226	28.2	21.4	32.0





#19

Chrysene

Concen: 1.256 ng/ul

RT: 21.21 min Scan# 4695

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

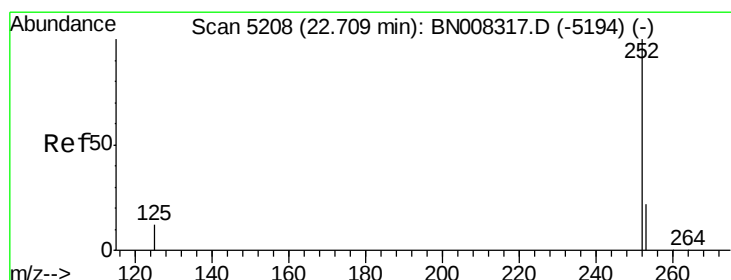
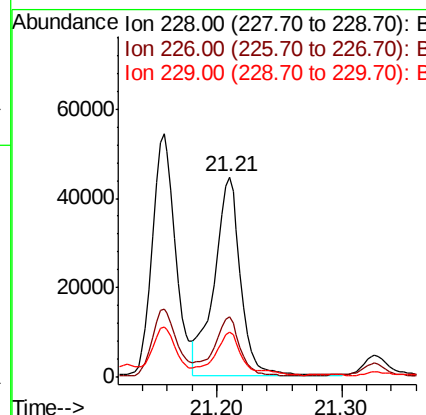
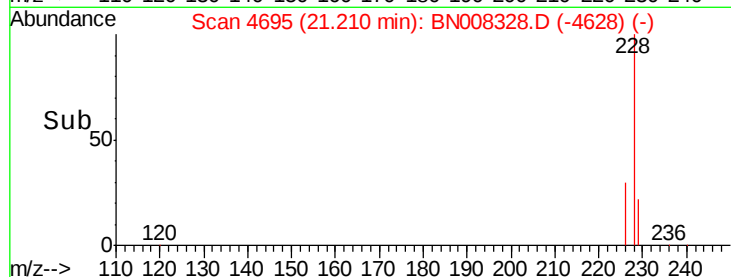
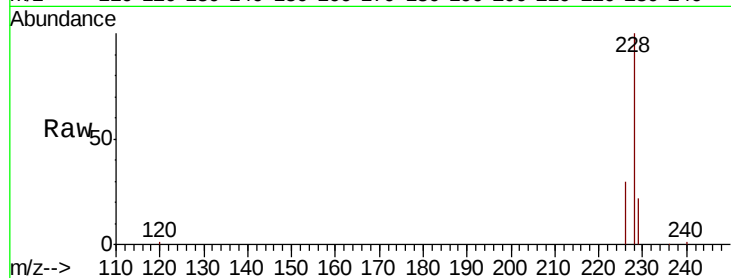
ClientSampleId :

BEPE0

Tot Ion:	228	Resp:	65056
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.1	36.1
229	22.5	16.2	24.2

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#21

Benzo(b)fluoranthene

Concen: 1.916 ng/ul m

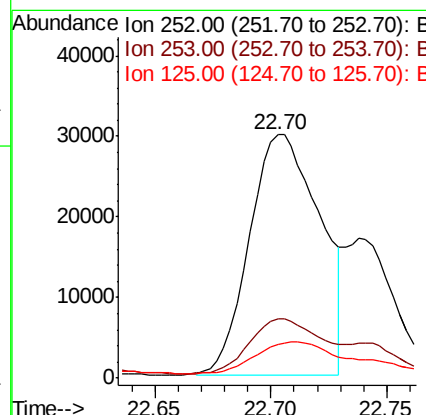
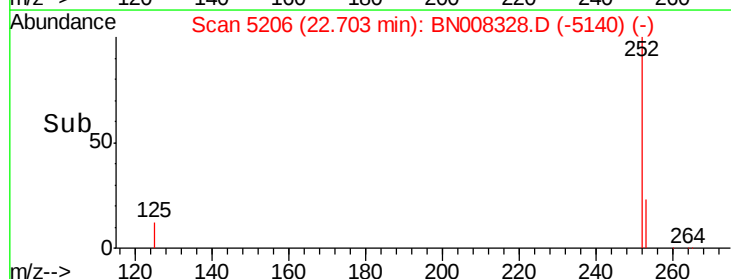
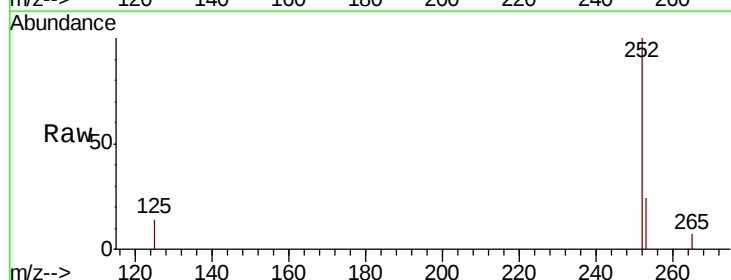
RT: 22.70 min Scan# 5206

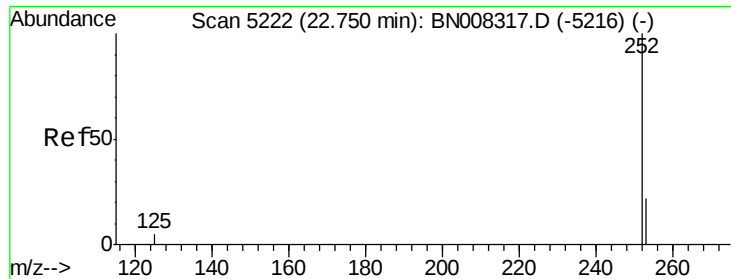
Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Tgt Ion:	252	Resp:	63130
Ion Ratio	Lower	Upper	
252	100		
253	24.2	0.0	53.4
125	13.8	0.0	32.4





#22

Benzo(k)fluoranthene

Concen: 0.555 ng/ul m

RT: 22.74 min Scan# 5218

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

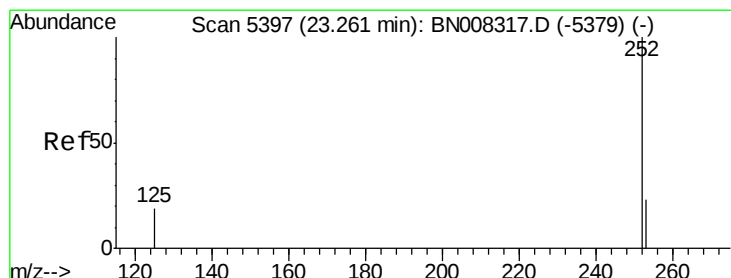
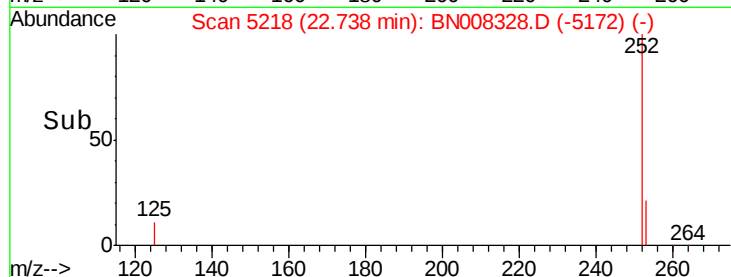
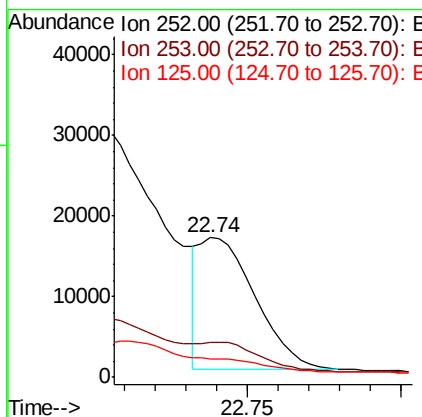
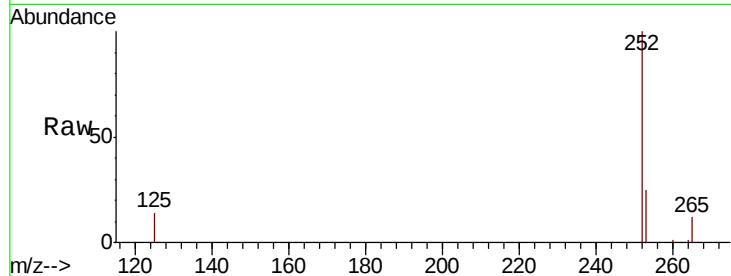
ClientSampleId :

BEPE0

Tot Ion:	252	Resp:	20716
Ion Ratio	Lower	Upper	
252	100		
253	25.3	21.3	31.9
125	13.6	12.3	18.5

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#23

Benzo(a)pyrene

Concen: 1.331 ng/ul

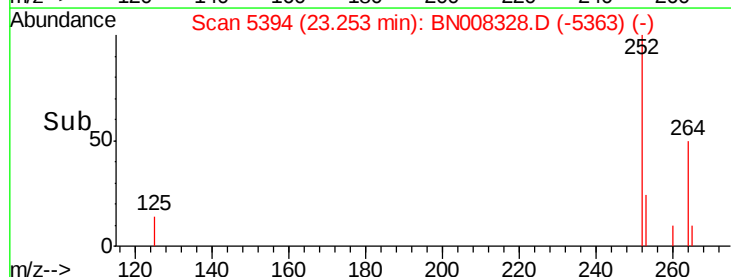
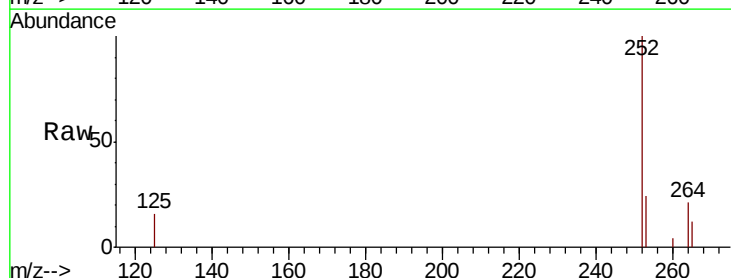
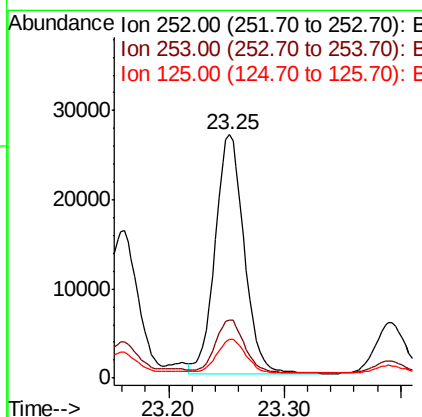
RT: 23.25 min Scan# 5394

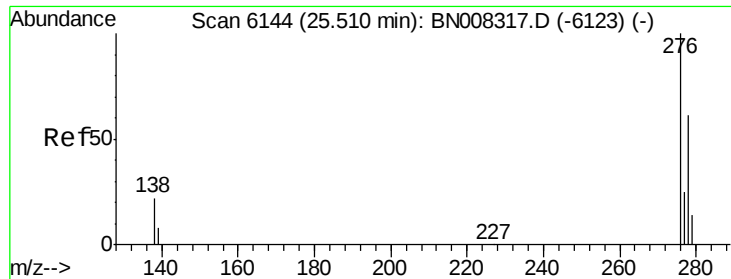
Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Tgt Ion:	252	Resp:	46160
Ion Ratio	Lower	Upper	
252	100		
253	24.0	22.8	34.2
125	15.8	18.4	27.6#





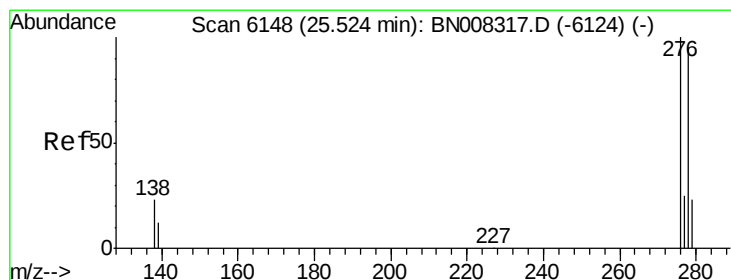
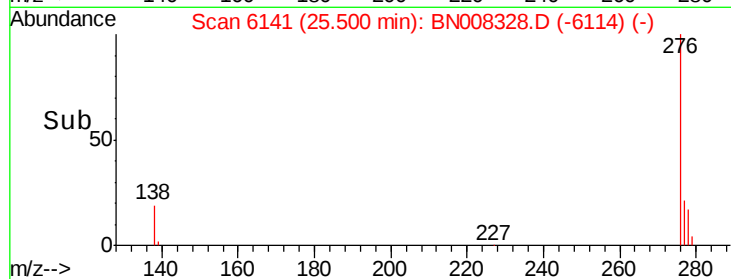
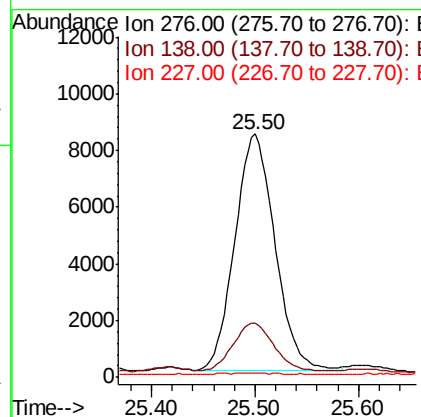
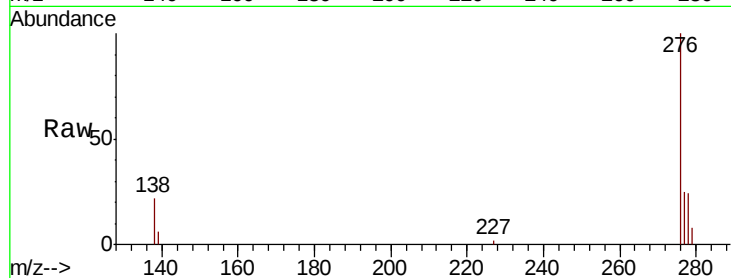
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.549 ng/ul
 RT: 25.50 min Scan# 6141
 Delta R.T. -0.01 min
 Lab File: BN008328.D
 Acq: 22 Oct 2019 23:09

Instrument :
 BNA_N
 ClientSampleId :
 BEPE0

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	16.1	24.1
227	0.1	0.2	0.2

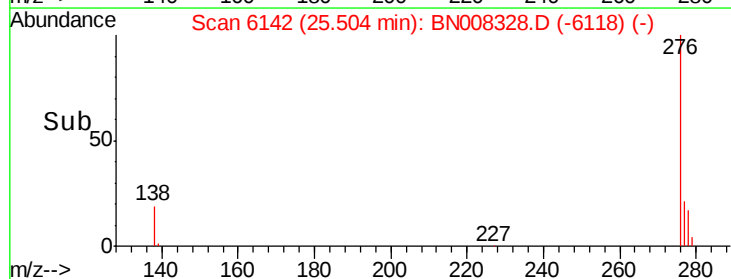
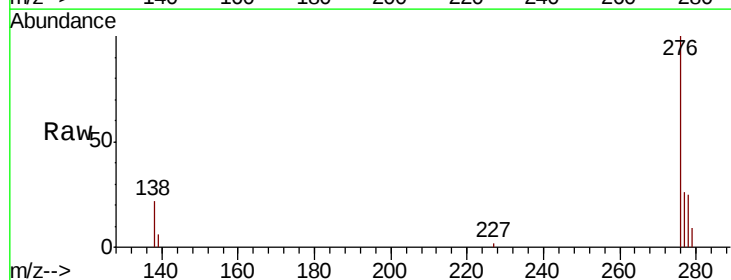
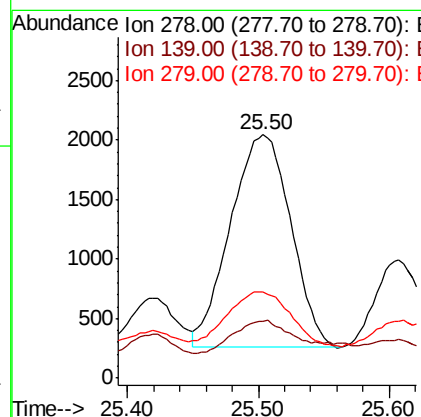
Manual Integrations
 APPROVED

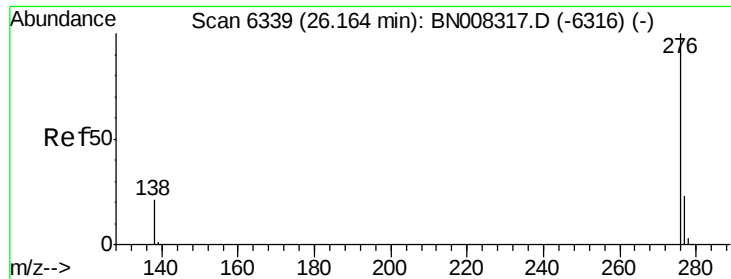
mohammad
 10/24/2019 8:05:41 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.178 ng/ul
 RT: 25.50 min Scan# 6142
 Delta R.T. -0.02 min
 Lab File: BN008328.D
 Acq: 22 Oct 2019 23:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	15.0	22.6
279	35.5	22.4	33.6





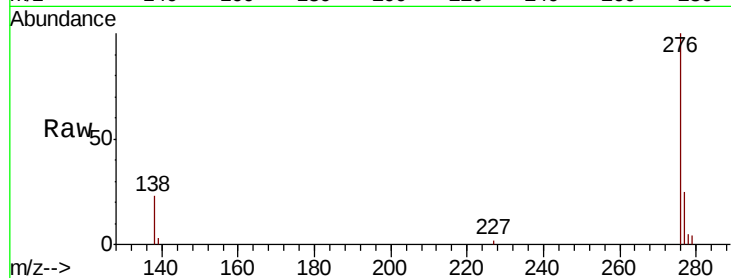
#26
 Benzo(a,h,i)perylene
 Concen: 0.510 ng/ul
 RT: 26.15 min Scan# 6336
 Delta R.T. -0.01 min
 Lab File: BN008328.D
 Acq: 22 Oct 2019 23:09

Instrument :
 BNA_N
 ClientSampleId :
 BEPE0

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	17.0	25.4
277	25.5	20.4	30.6

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:05:41 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

