

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008341.D
 Acq On : 23 Oct 2019 07:31
 Operator : JU
 Sample : K5223-16
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPA4

Manual Integrations
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Quant Time: Oct 23 08:13:02 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	1876	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.34	136	9110	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.22	164	5603	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	12514m	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	11439	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	10208	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	3799	0.25	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	11698	0.27	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.39	128	2380	0.092	ng/ul#	93
5) 2-Methylnaphthalene	12.02	142	1212	0.068	ng/ul	99
7) Acenaphthylene	13.93	152	7867	0.295	ng/ul	99
8) Acenaphthene	14.28	153	3379	0.163	ng/ul	98
9) Fluorene	15.27	166	4894	0.208	ng/ul	97
12) Phenanthrene	17.00	178	110161	3.007	ng/ul	99
13) Anthracene	17.10	178	19587	0.607	ng/ul	99
15) Fluoranthene	19.03	202	308996	6.386	ng/ul	99
17) Pyrene	19.40	202	274520	6.027	ng/ul	98
18) Benzo(a)anthracene	21.15	228	152120	3.658	ng/ul	98
19) Chrysene	21.21	228	178002	3.488	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	212396m	6.392	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	61591m	1.636	ng/ul	
23) Benzo(a)pyrene	23.25	252	125521m	3.590	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.49	276	78671	1.910	ng/ul	99
25) Dibenzo(a,h)anthracene	25.50	278	19593	0.602	ng/ul	97
26) Benzo(a,h,i)perylene	26.15	276	64505	1.708	ng/ul	98

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

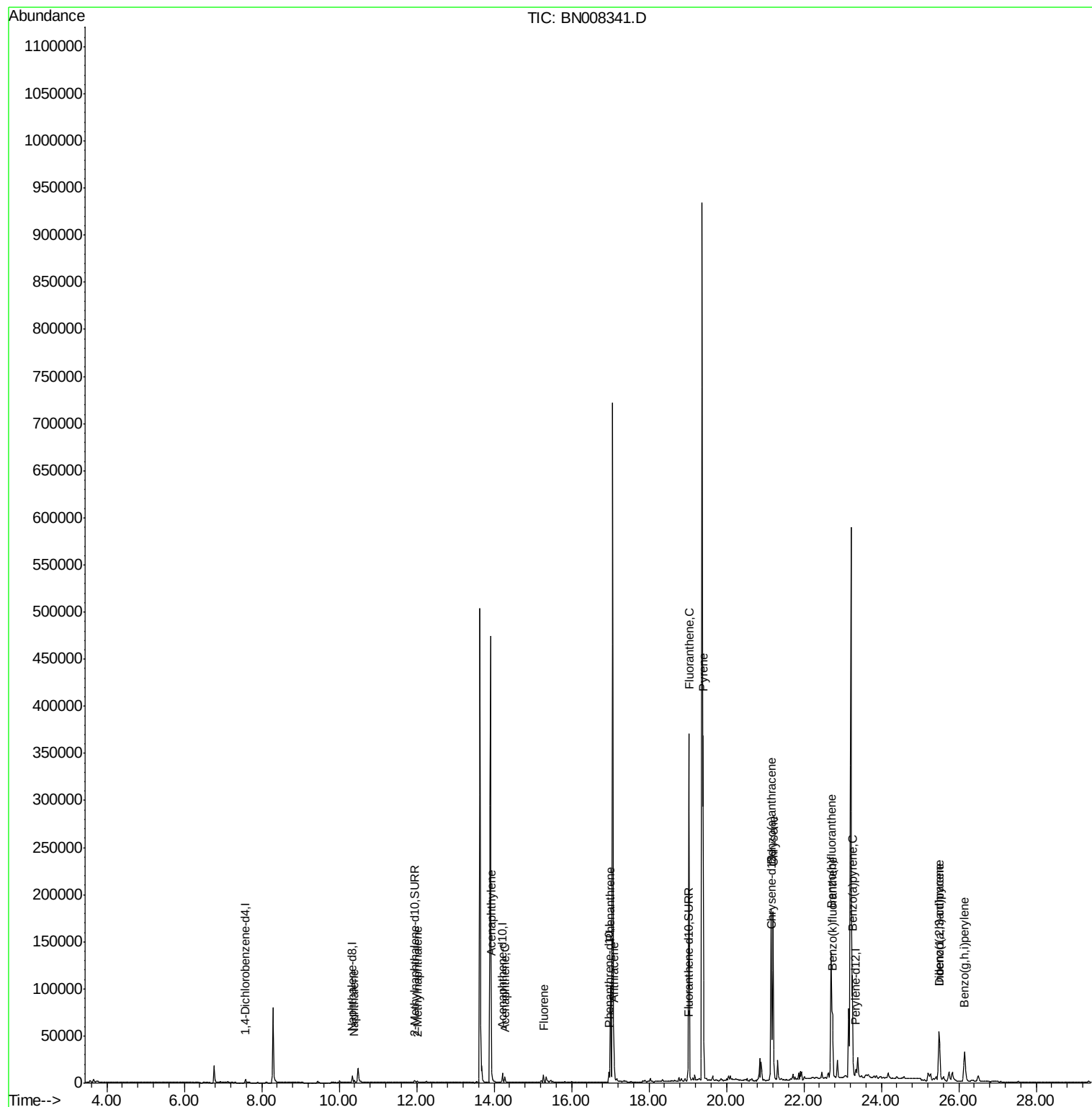
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008341.D
Acq On : 23 Oct 2019 07:31
Operator : JU
Sample : K5223-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

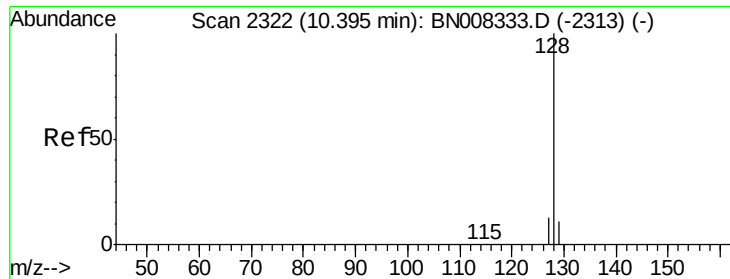
Instrument :
BNA_N
ClientSampleId :
BEP44

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Quant Time: Oct 23 08:13:02 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





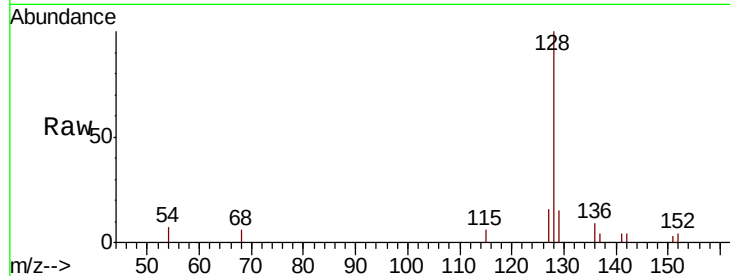
#3
Naphthalene
Concen: 0.092 ng/ul
RT: 10.39 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BN008341.D
Acq: 23 Oct 2019 07:31

Instrument :
BNA_N
ClientSampleId :
BEP44

Tot Ion	Ratio	Lower	Upper
128	100		
129	15.4	9.8	14.8#
127	16.3	11.1	16.7

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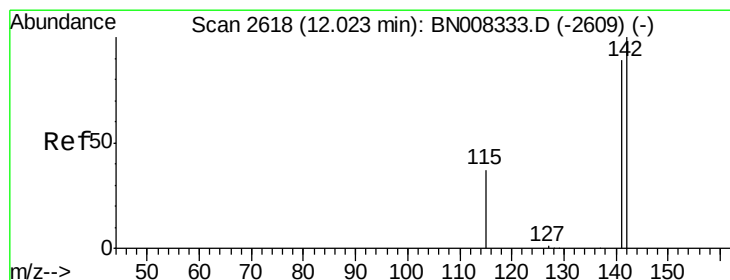
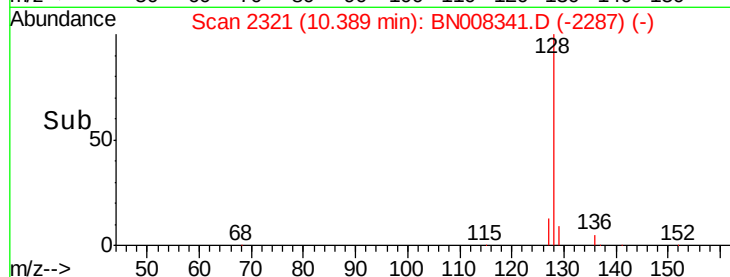
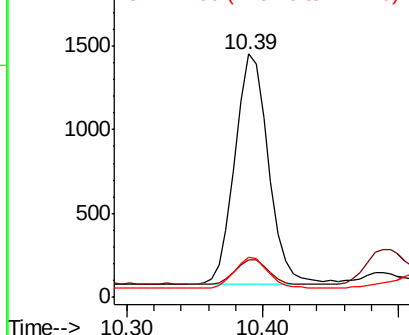


Abundance

Ion 128.00 (127.70 to 128.70): E

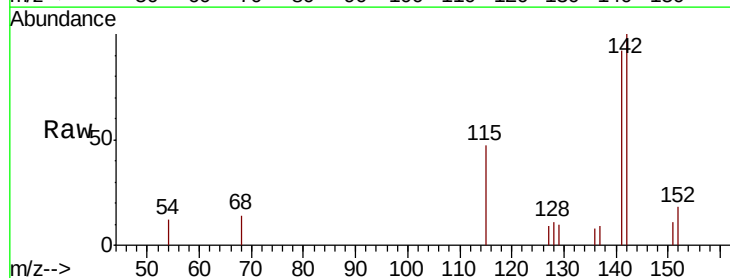
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5
2-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.02 min Scan# 2617
Delta R.T. -0.01 min
Lab File: BN008341.D
Acq: 23 Oct 2019 07:31

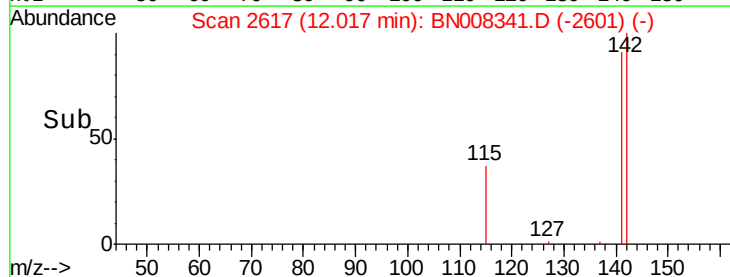
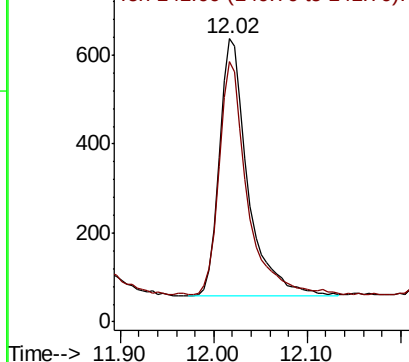
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.4	107.2

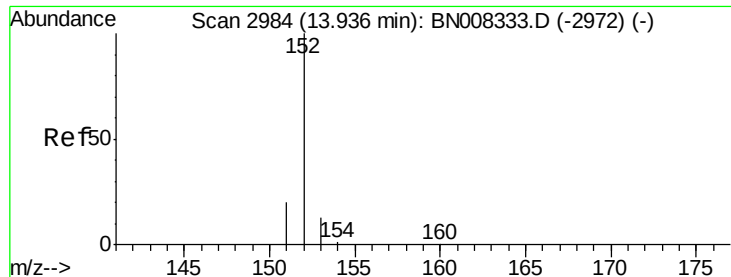


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.295 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008341.D

Acq: 23 Oct 2019 07:31

Instrument :

BNA_N

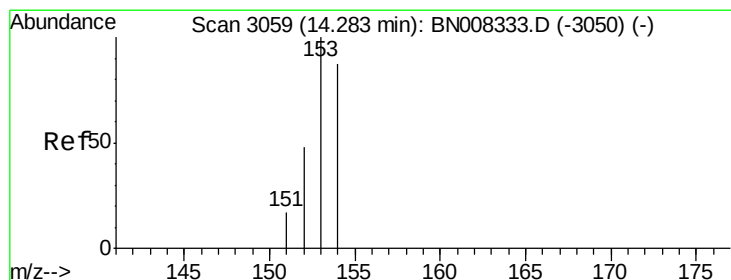
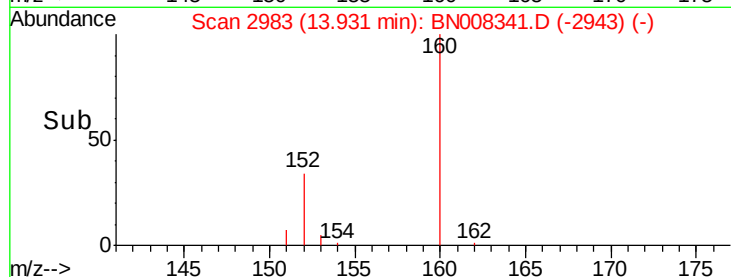
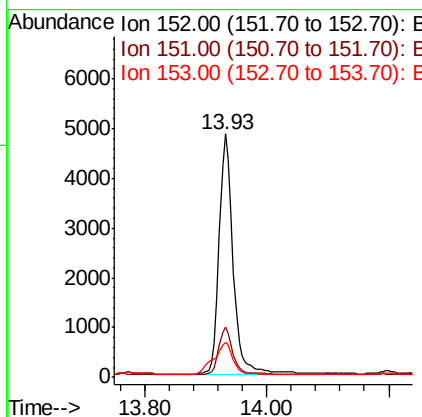
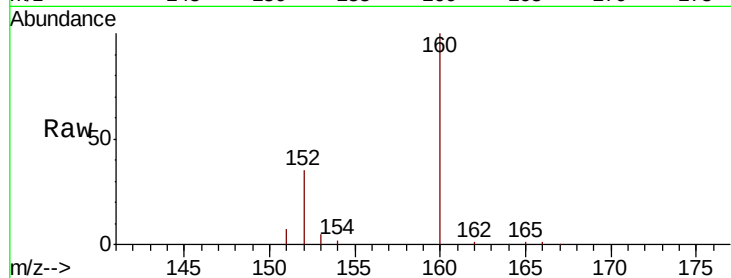
ClientSampled :

BEPA4

Tot Ion:	152	Resp:	7867
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	14.5	11.0	16.4

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#8

Acenaphthene

Concen: 0.163 ng/ul

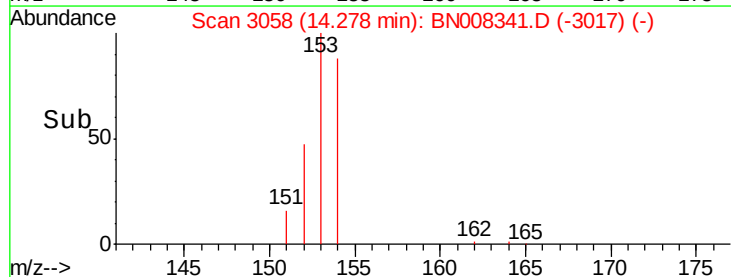
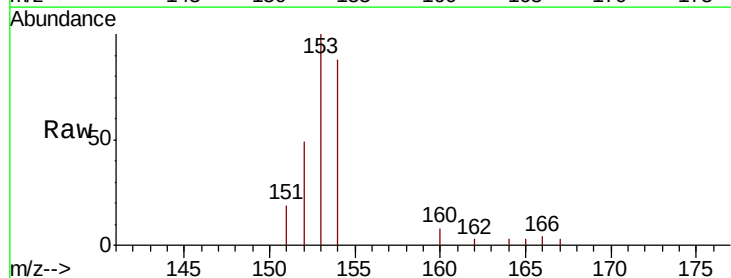
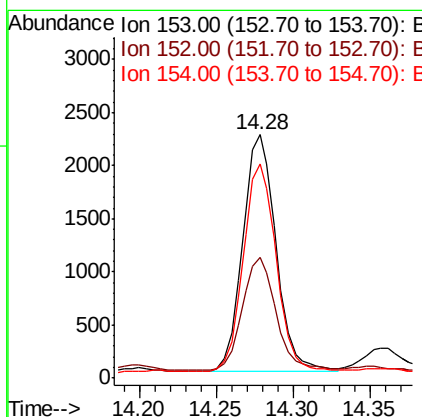
RT: 14.28 min Scan# 3058

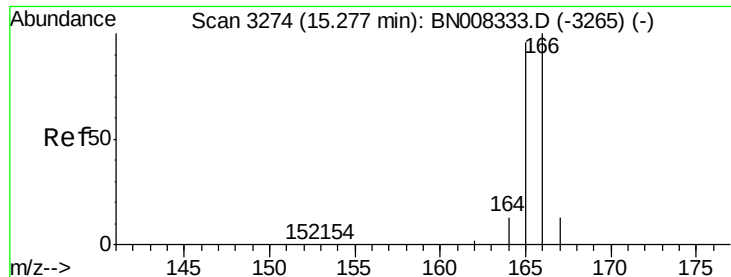
Delta R.T. -0.01 min

Lab File: BN008341.D

Acq: 23 Oct 2019 07:31

Tgt Ion:	153	Resp:	3379
Ion	Ratio	Lower	Upper
153	100		
152	49.5	38.2	57.2
154	88.0	71.8	107.8





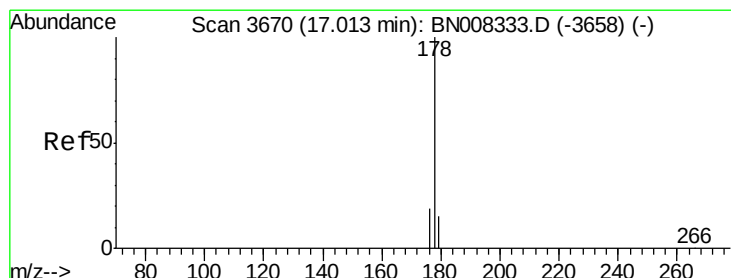
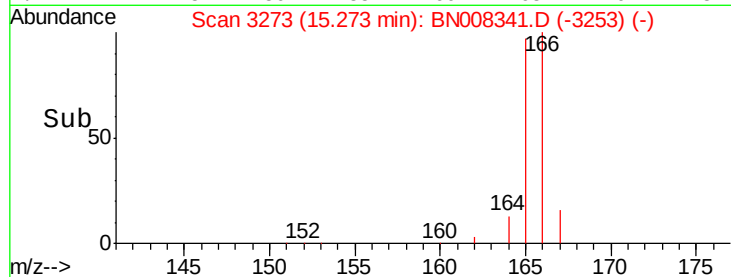
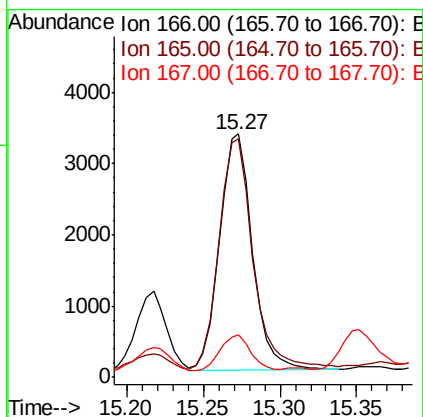
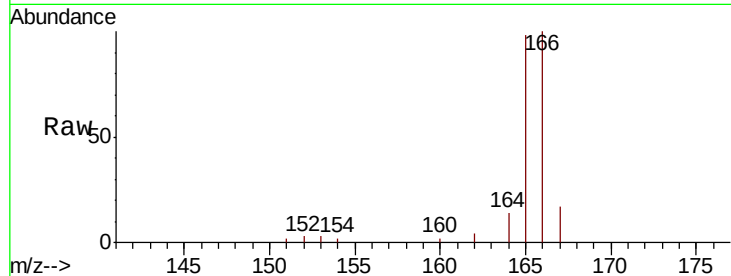
#9
Fluorene
 Concen: 0.208 ng/ul
 RT: 15.27 min Scan# 3273
 Delta R.T. -0.01 min
 Lab File: BN008341.D
 Acq: 23 Oct 2019 07:31

Instrument :
 BNA_N
 ClientSampleId :
 BEPA4

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	76.6	115.0
167	17.3	11.7	17.5

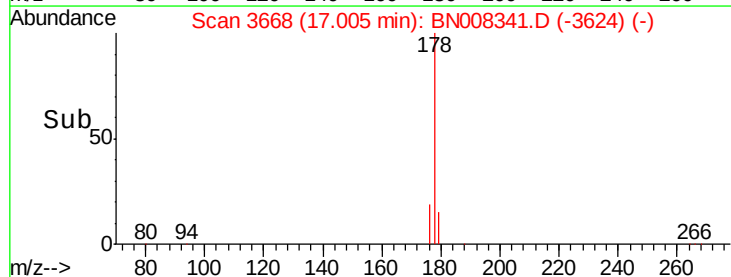
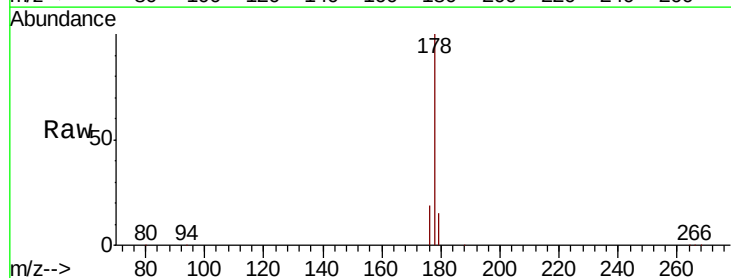
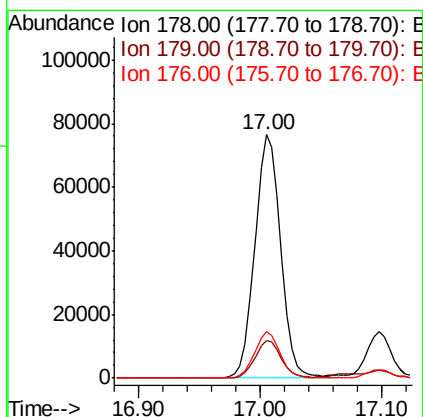
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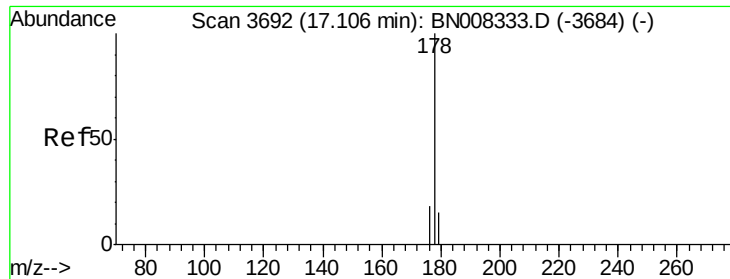
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#12
Phenanthrene
 Concen: 3.007 ng/ul
 RT: 17.00 min Scan# 3668
 Delta R.T. -0.01 min
 Lab File: BN008341.D
 Acq: 23 Oct 2019 07:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.8	19.2
176	19.0	15.4	23.2





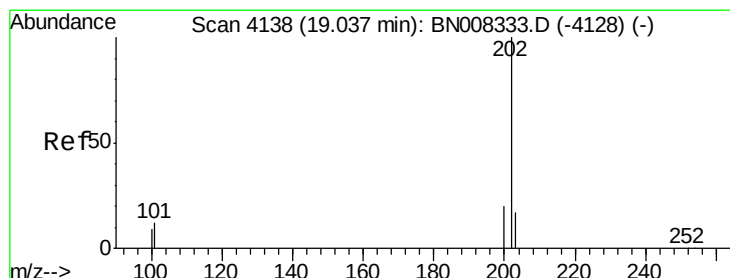
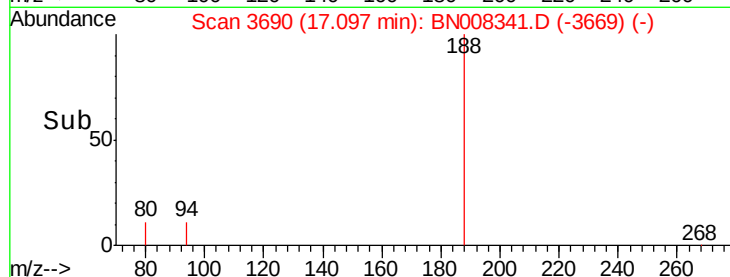
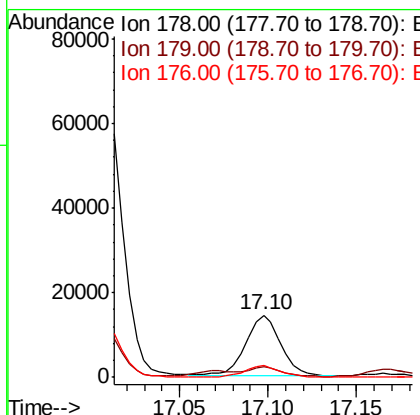
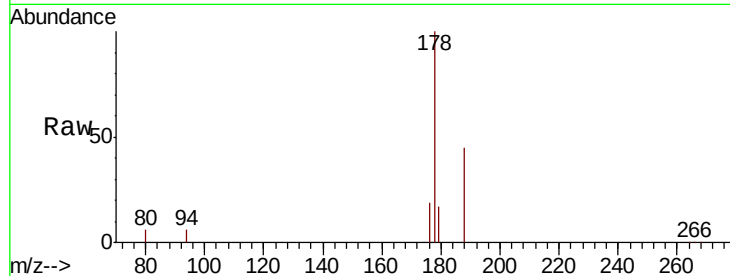
#13
 Anthracene
 Concen: 0.607 ng/ul
 RT: 17.10 min Scan# 3690
 Delta R.T. -0.01 min
 Lab File: BN008341.D
 Acq: 23 Oct 2019 07:31

Instrument :
 BNA_N
 ClientSampleId :
 BEPA4

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.6	13.0	19.6
176	18.6	15.0	22.6

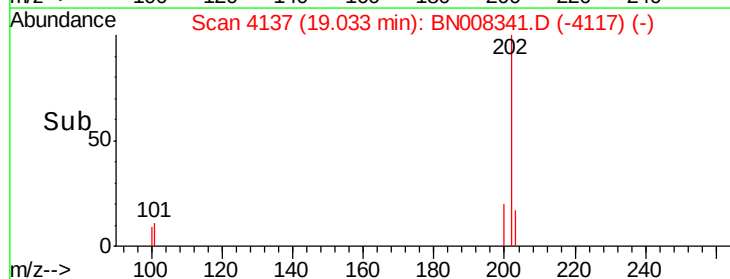
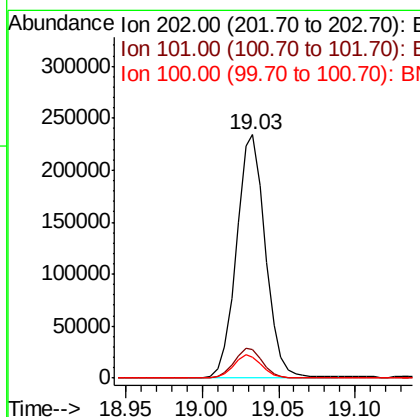
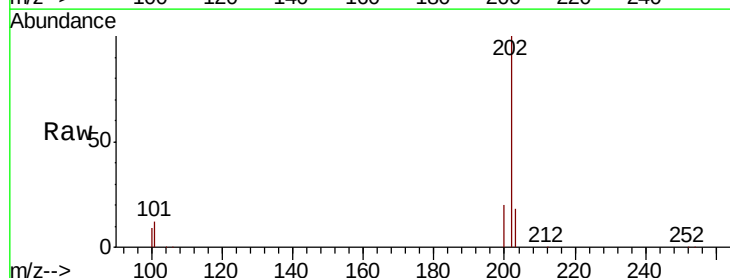
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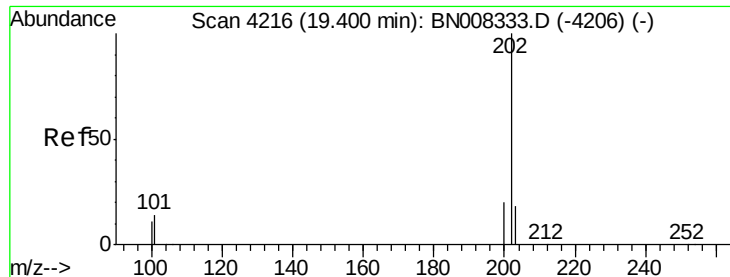
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#15
 Fluoranthene
 Concen: 6.386 ng/ul
 RT: 19.03 min Scan# 4137
 Delta R.T. -0.01 min
 Lab File: BN008341.D
 Acq: 23 Oct 2019 07:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.2
100	8.6	0.0	28.5





#17

Pyrene

Concen: 6.027 ng/ul

RT: 19.40 min Scan# 4215

Delta R.T. -0.01 min

Lab File: BN008341.D

Acq: 23 Oct 2019 07:31

Instrument :

BNA_N

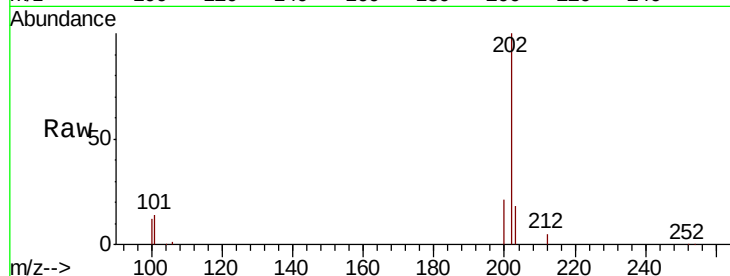
ClientSampled :

BEPA4

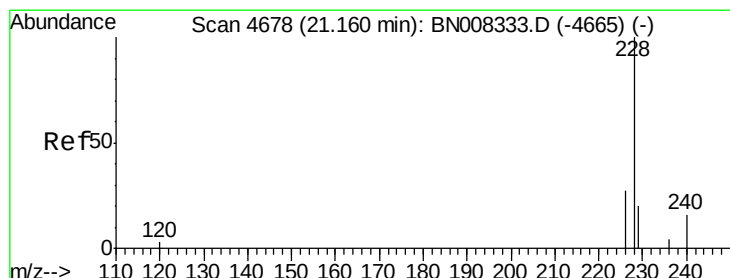
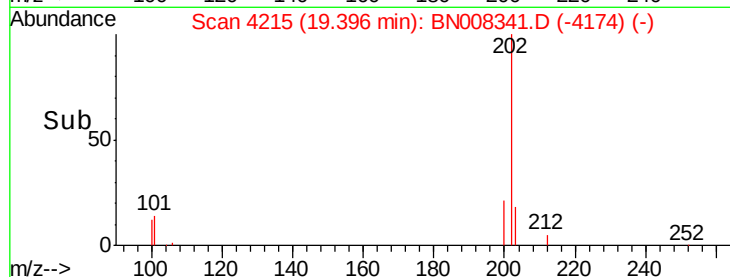
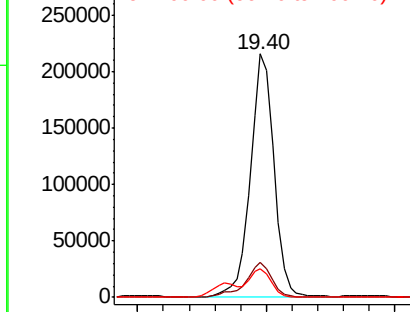
Tot Ion:	202	Resp:	274520
Ion Ratio	Lower	Upper	
202	100		
101	14.3	10.9	16.3
100	11.8	8.7	13.1

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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: 3.658 ng/ul

RT: 21.15 min Scan# 4676

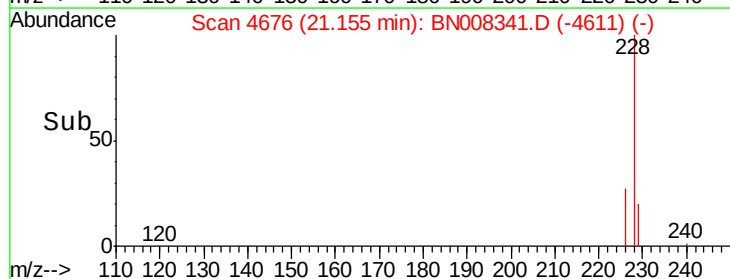
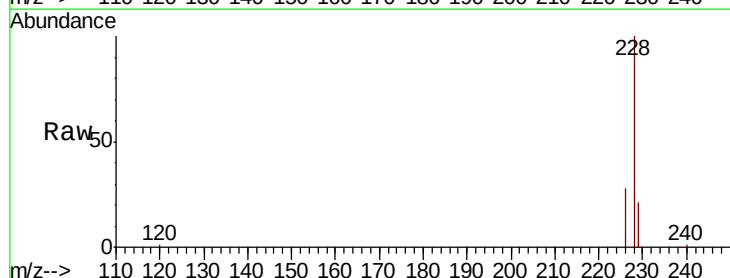
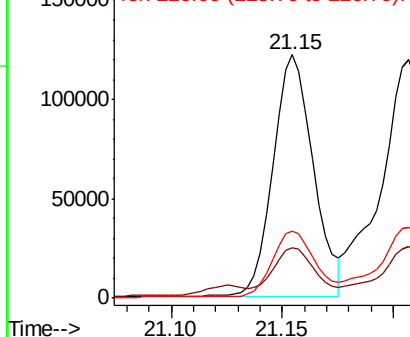
Delta R.T. -0.01 min

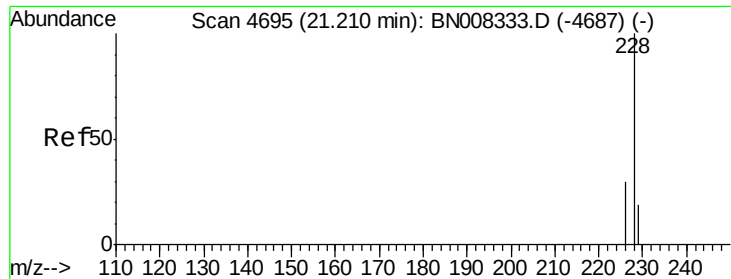
Lab File: BN008341.D

Acq: 23 Oct 2019 07:31

Tgt Ion:	228	Resp:	152120
Ion Ratio	Lower	Upper	
228	100		
229	20.8	16.2	24.2
226	27.8	21.4	32.0

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





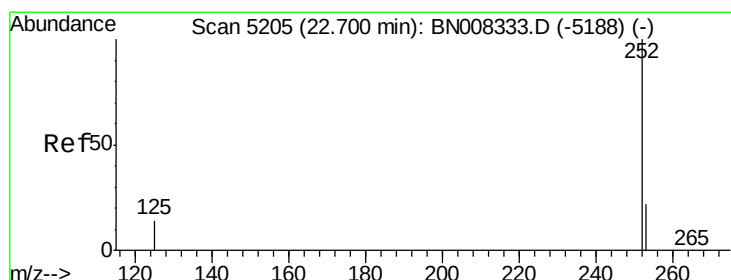
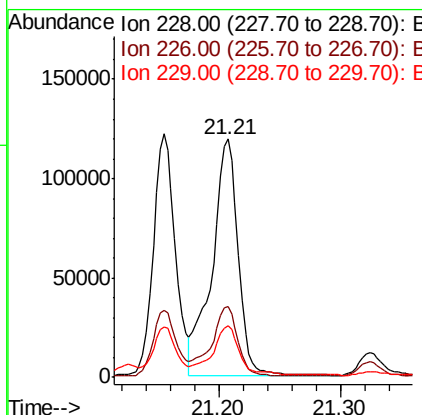
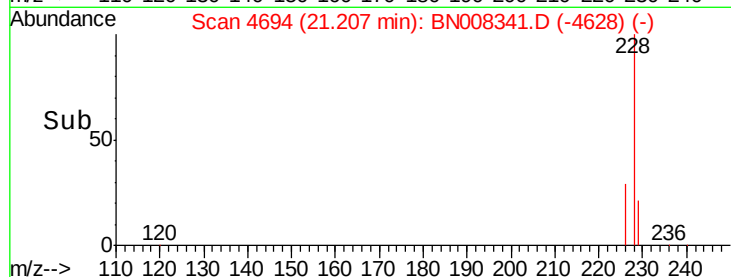
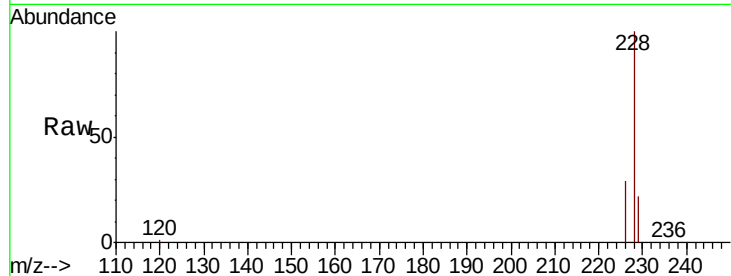
#19
Chrysene
Concen: 3.488 ng/ul
RT: 21.21 min Scan# 4694
Delta R.T. -0.01 min
Lab File: BN008341.D
Acq: 23 Oct 2019 07:31

Instrument :
BNA_N
ClientSampleId :
BEP44

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	21.7	16.2	24.2

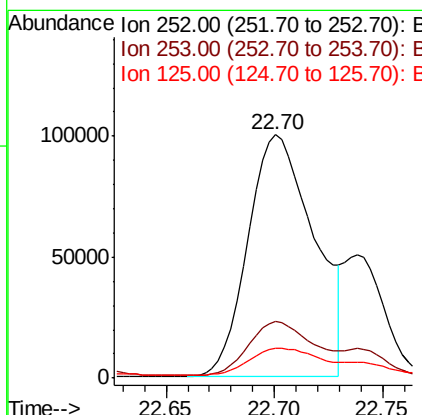
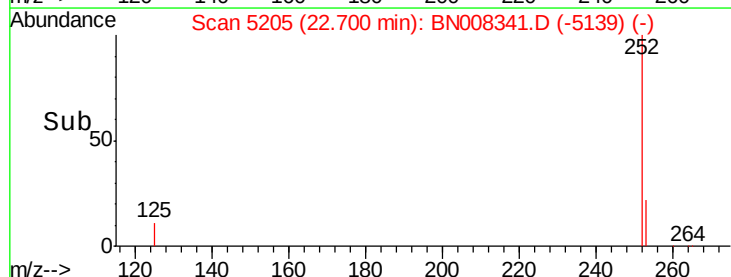
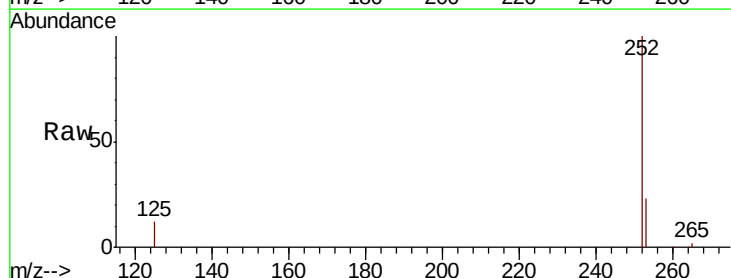
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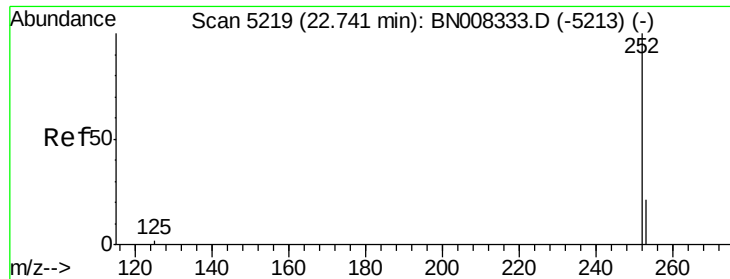
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#21
Benzo(b)fluoranthene
Concen: 6.392 ng/ul m
RT: 22.70 min Scan# 5205
Delta R.T. -0.01 min
Lab File: BN008341.D
Acq: 23 Oct 2019 07:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	53.4
125	12.1	0.0	32.4





#22

Benzo(k)fluoranthene

Concen: 1.636 ng/ul m

RT: 22.74 min Scan# 5218

Delta R.T. -0.01 min

Lab File: BN008341.D

Acq: 23 Oct 2019 07:31

Instrument :

BNA_N

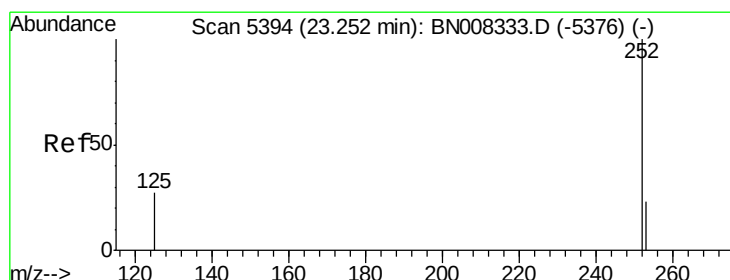
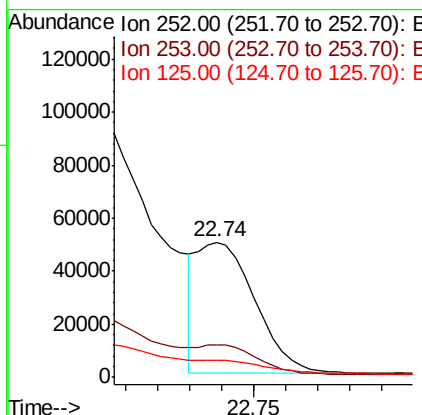
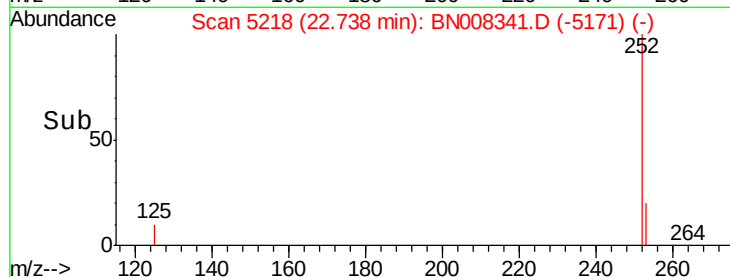
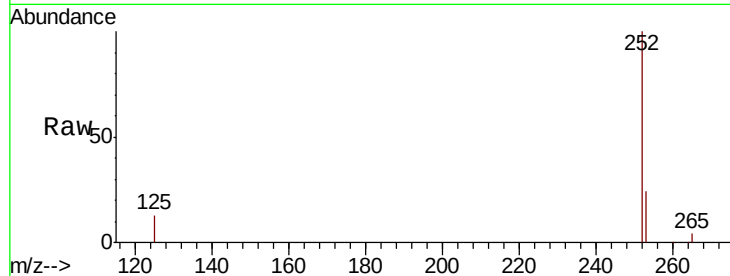
ClientSampleId :

BEPA4

Tot Ion:	252	Resp:	61591
Ion Ratio	Lower	Upper	
252	100		
253	23.9	21.3	31.9
125	12.8	12.3	18.5

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#23

Benzo(a)pyrene

Concen: 3.590 ng/ul m

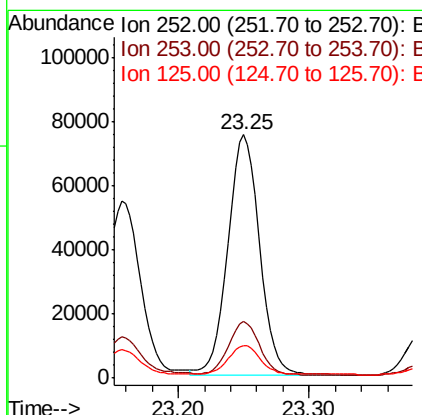
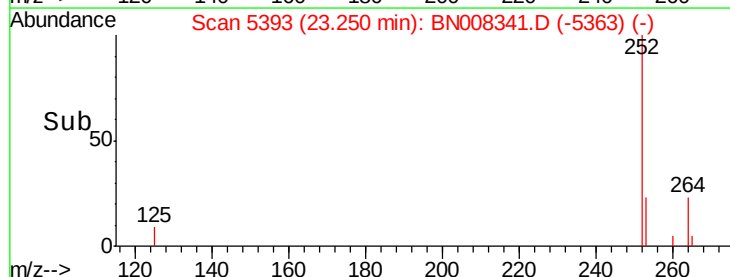
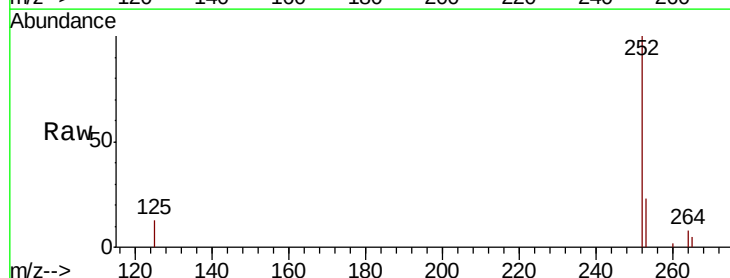
RT: 23.25 min Scan# 5393

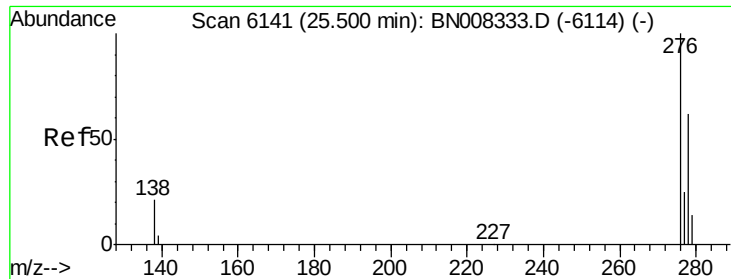
Delta R.T. -0.01 min

Lab File: BN008341.D

Acq: 23 Oct 2019 07:31

Tgt Ion:	252	Resp:	125521
Ion Ratio	Lower	Upper	
252	100		
253	23.1	22.8	34.2
125	13.4	18.4	27.6#





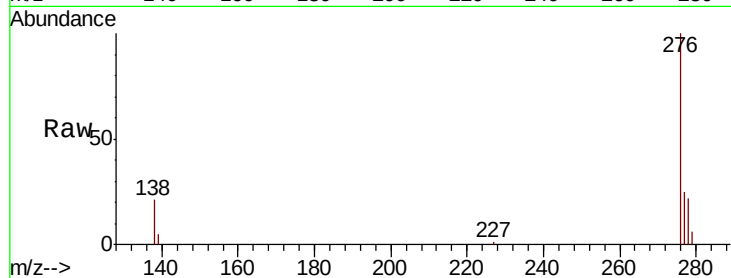
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.910 ng/ul
 RT: 25.49 min Scan# 6139
 Delta R.T. -0.02 min
 Lab File: BN008341.D
 Acq: 23 Oct 2019 07:31

Instrument :
 BNA_N
 ClientSampleId :
 BEPA4

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.1	24.1
227	0.2	0.2	0.2

Manual Integrations
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 10/24/2019 8:06:16 AM

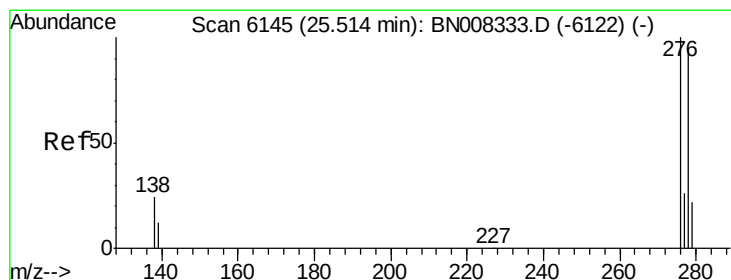
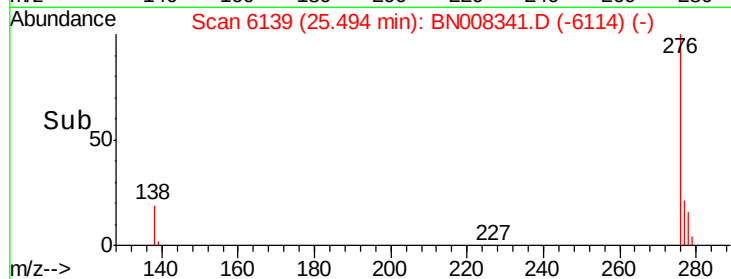
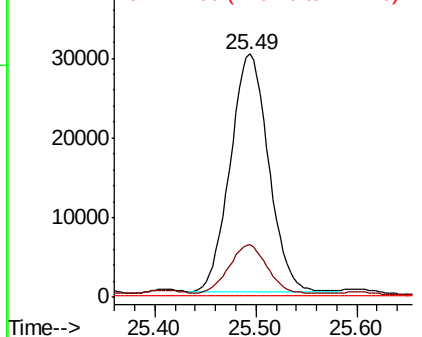


Abundance

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: 0.602 ng/ul
 RT: 25.50 min Scan# 6140
 Delta R.T. -0.03 min
 Lab File: BN008341.D
 Acq: 23 Oct 2019 07:31

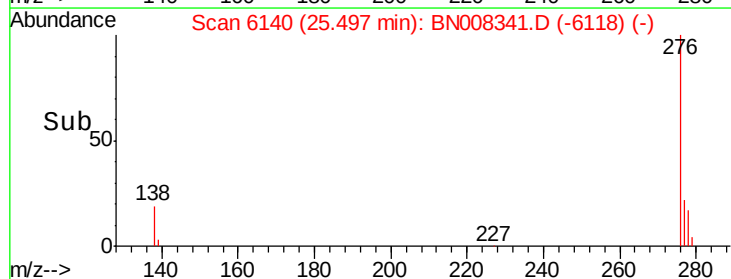
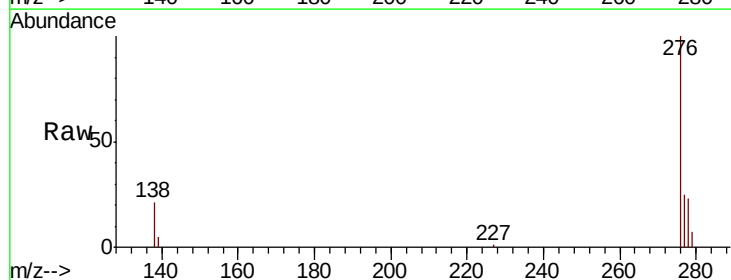
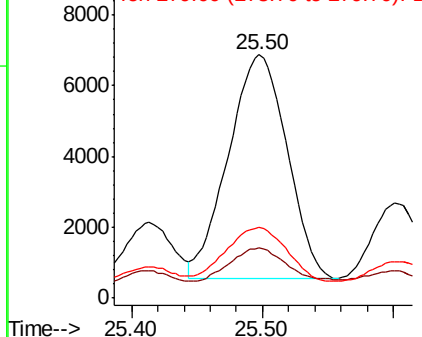
Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.0	22.6
279	29.2	22.4	33.6

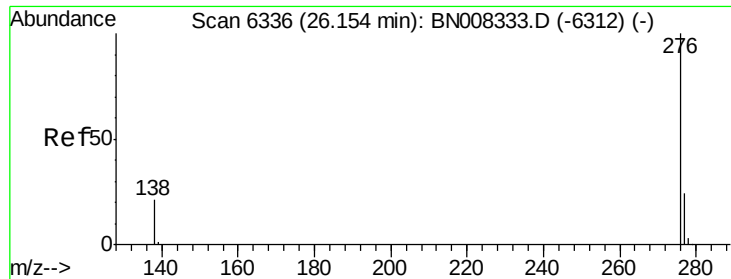
Abundance

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: 1.708 ng/ul

RT: 26.15 min Scan# 6335

Delta R.T. -0.02 min

Lab File: BN008341.D

Acq: 23 Oct 2019 07:31

Instrument :

BNA_N

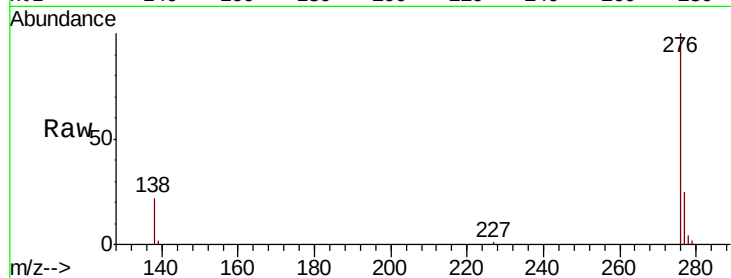
ClientSampleId :

BEPA4

Tot Ion:	276	Resp:	64505
Ion Ratio	Lower	Upper	
276	100		
138	22.0	17.0	25.4
277	24.6	20.4	30.6

Manual Integrations
APPROVED

mohammad
10/24/2019 8:06:16 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

