

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008959.D
 Acq On : 12 Dec 2019 23:13
 Operator : JU
 Sample : K6089-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BR5

Manual Integrations
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mohammad
 12/13/2019 9:08:35 AM

Quant Time: Dec 13 01:44:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 12 00:49:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2568	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11058	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7085	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	16245	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13879	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	13179	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	3317	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	9667	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	8852	0.266	ng/ul	98
5) 2-Methylnaphthalene	11.98	142	6658	0.286	ng/ul	100
7) Acenaphthylene	13.90	152	16928	0.432	ng/ul	99
9) Fluorene	15.24	166	1216	0.036	ng/ul#	79
12) Phenanthrene	16.97	178	26055	0.476	ng/ul	100
13) Anthracene	17.06	178	11170	0.216	ng/ul	98
15) Fluoranthene	18.99	202	88459	1.314	ng/ul	100
17) Pyrene	19.35	202	84045	1.509	ng/ul	99
18) Benzo(a)anthracene	21.11	228	94559	1.694	ng/ul	95
19) Chrysene	21.16	228	113829	2.076	ng/ul	98
21) Benzo(b)fluoranthene	22.64	252	159206m	2.930	ng/ul	
22) Benzo(k)fluoranthene	22.68	252	48377m	0.898	ng/ul	
23) Benzo(a)pyrene	23.18	252	88530	1.736	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.38	276	51133	0.857	ng/ul	92
25) Dibenzo(a,h)anthracene	25.38	278	15034	0.312	ng/ul	94
26) Benzo(a,h,i)perylene	26.02	276	43722	0.876	ng/ul	98

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

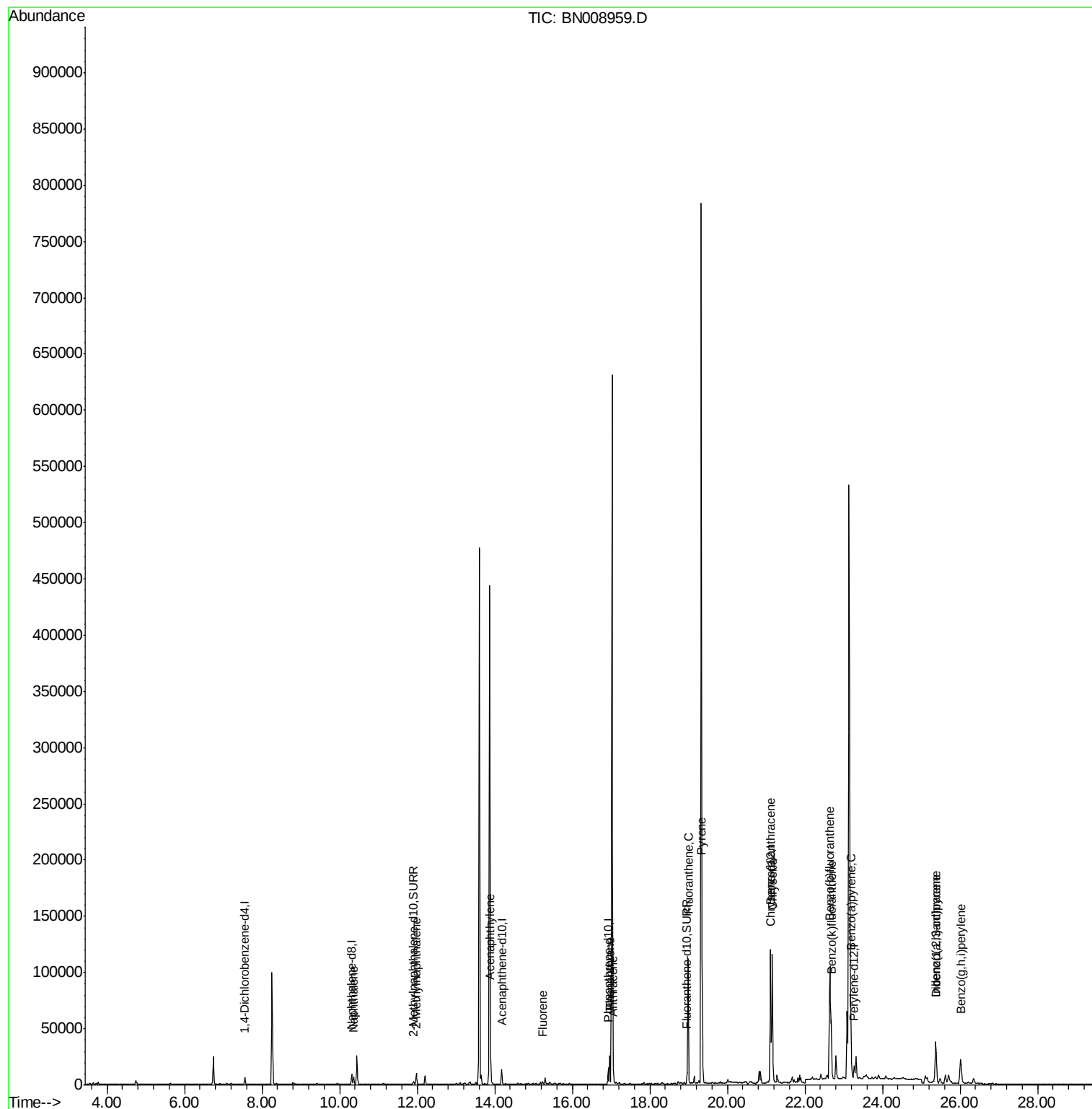
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
Data File : BN008959.D
Acq On : 12 Dec 2019 23:13
Operator : JU
Sample : K6089-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

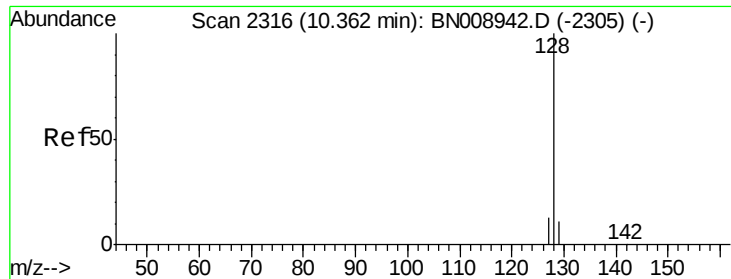
Instrument :
BNA_N
ClientSampleId :
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Quant Time: Dec 13 01:44:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.266 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

ClientSampleId :

C0BR5

Tot Ion:128 Resp: 8852

Ion Ratio Lower Upper

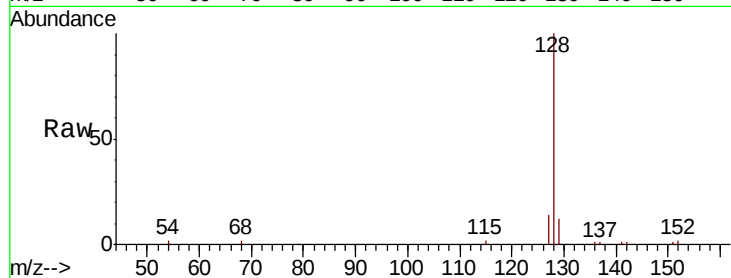
128 100

129 12.0 9.1 13.7

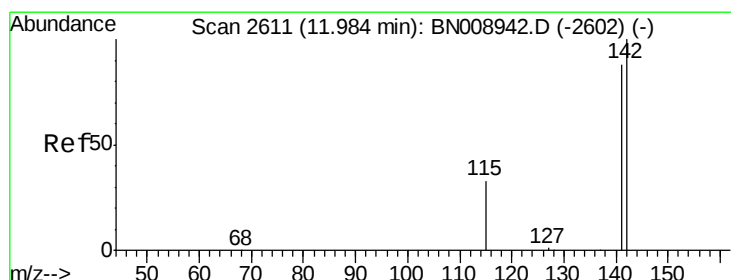
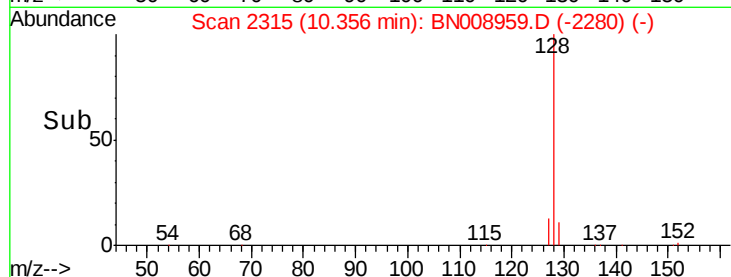
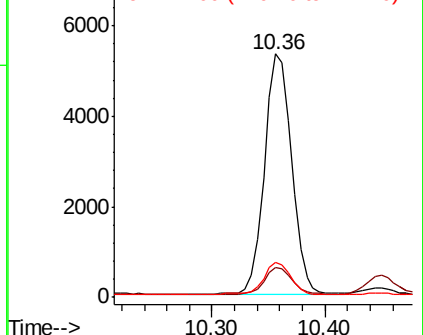
127 14.2 10.7 16.1

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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: 0.286 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BN008959.D

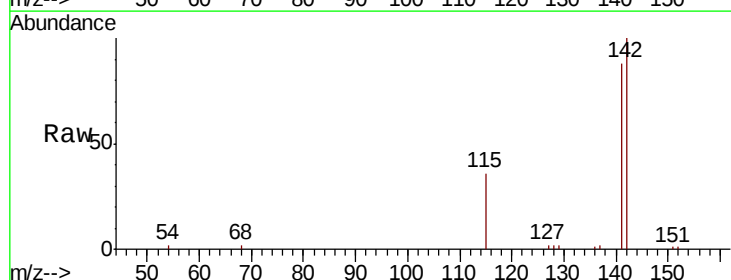
Acq: 12 Dec 2019 23:13

Tgt Ion:142 Resp: 6658

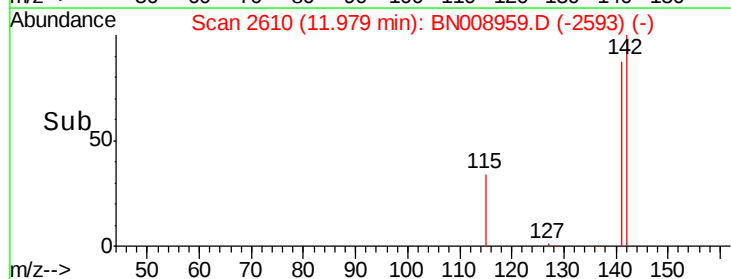
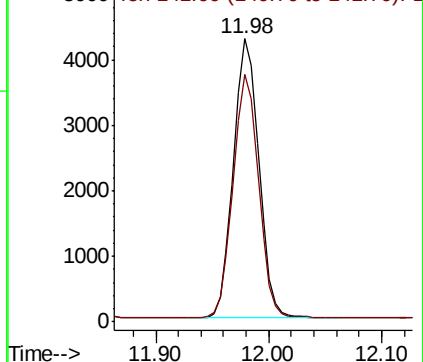
Ion Ratio Lower Upper

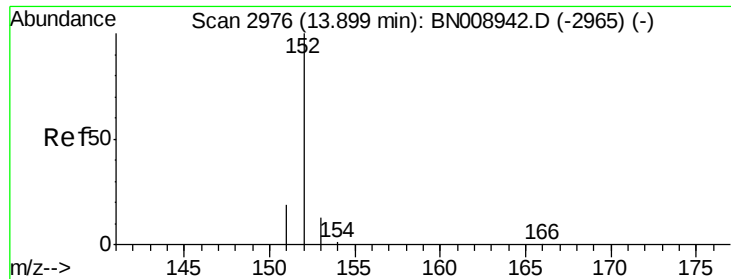
142 100

141 87.5 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.432 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

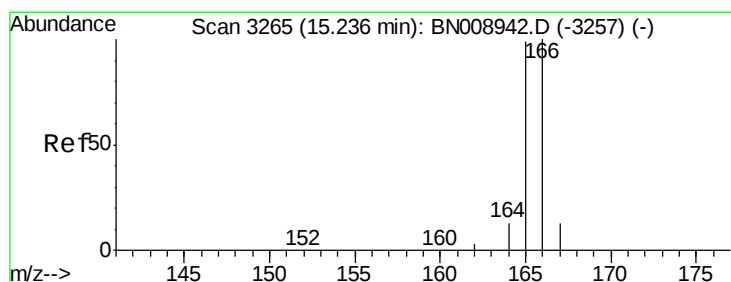
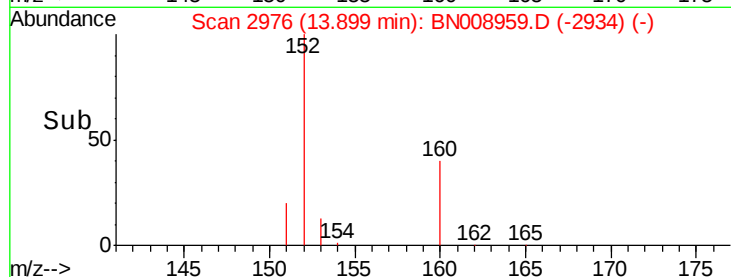
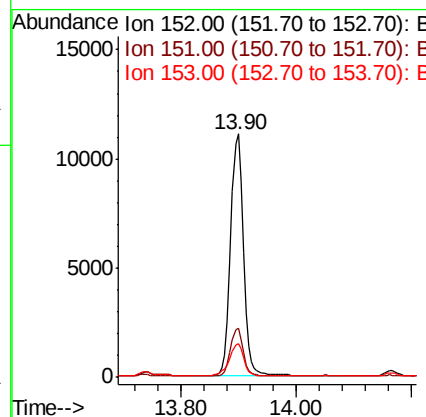
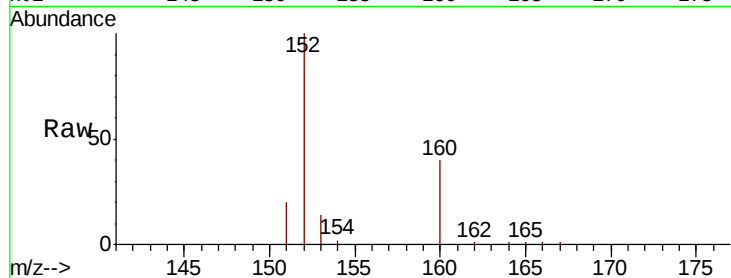
ClientSampleId :

C0BR5

Tot Ion:	152	Resp:	16928
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.8	23.6
153	13.7	10.6	15.8

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#9

Fluorene

Concen: 0.036 ng/ul

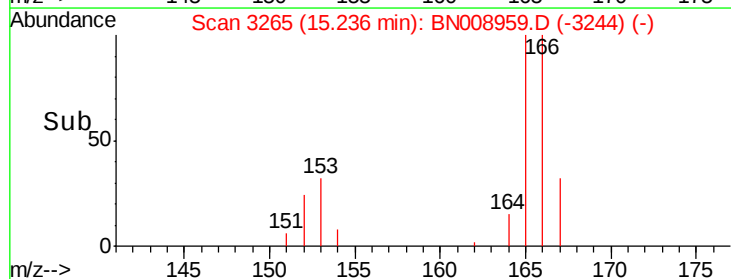
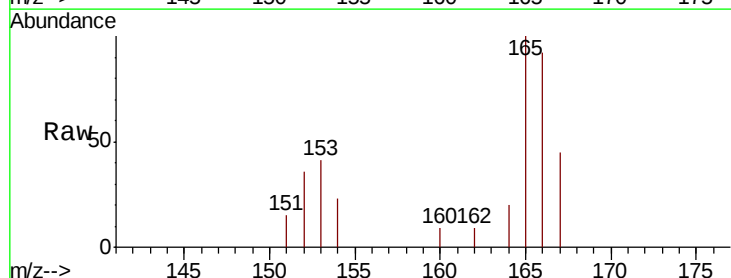
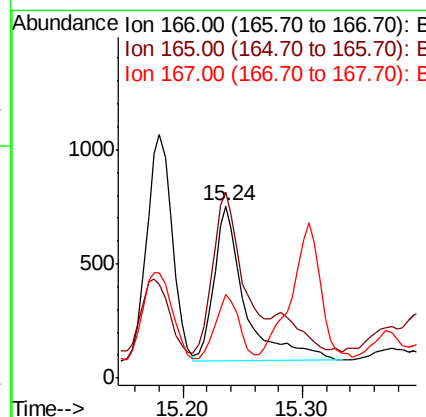
RT: 15.24 min Scan# 3265

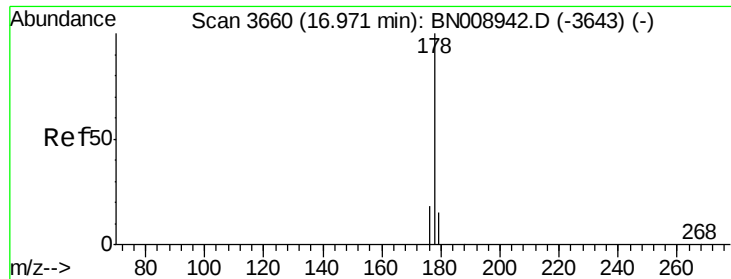
Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Tgt Ion:	166	Resp:	1216
Ion Ratio	Lower	Upper	
166	100		
165	108.4	77.7	116.5
167	48.8	11.1	16.7#





#12

Phenanthrene

Concen: 0.476 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

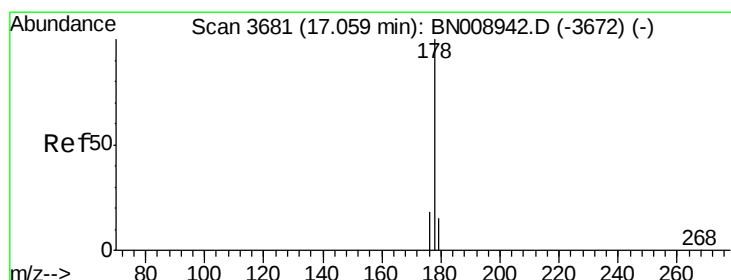
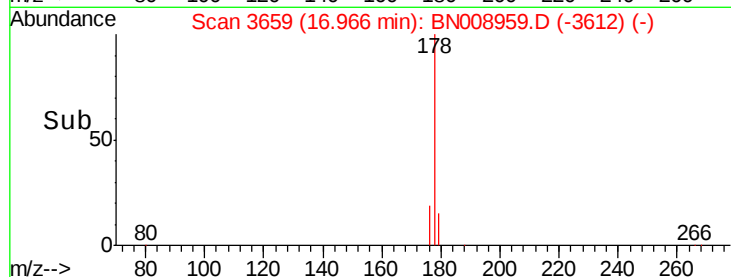
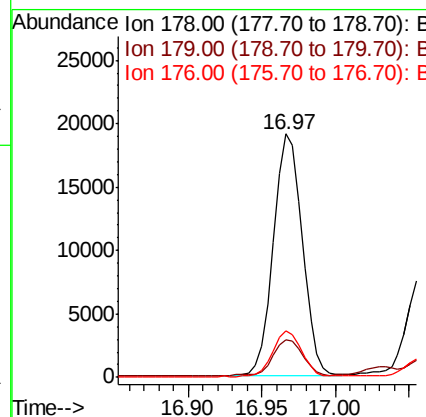
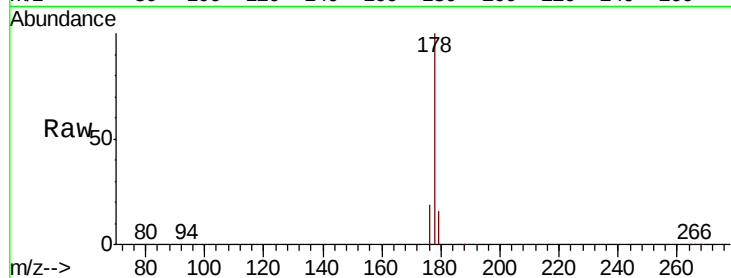
ClientSampleId :

C0BR5

Tot Ion:	178	Resp:	26055
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.6	18.8
176	18.9	15.3	22.9

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#13

Anthracene

Concen: 0.216 ng/ul

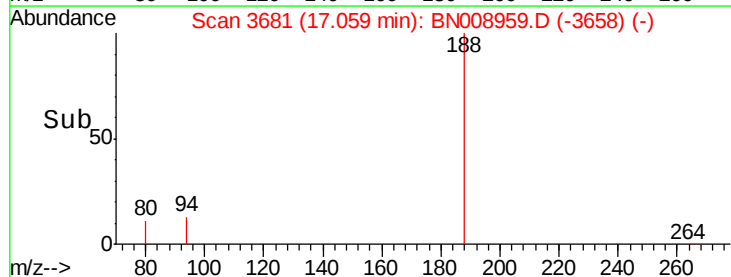
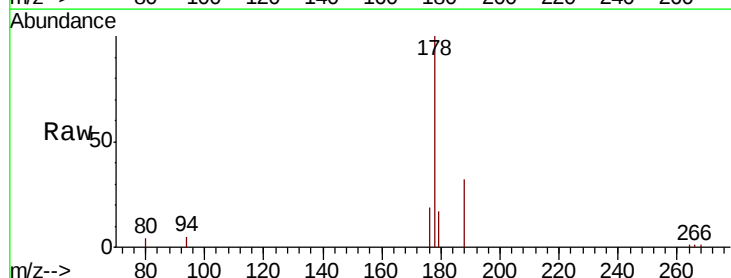
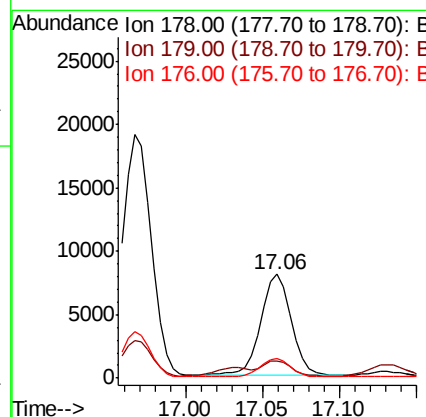
RT: 17.06 min Scan# 3681

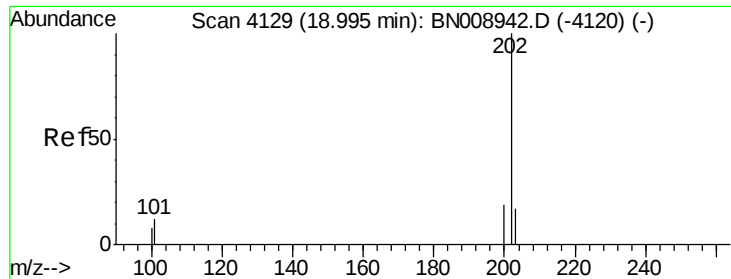
Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Tgt Ion:	178	Resp:	11170
Ion Ratio	Lower	Upper	
178	100		
179	16.9	12.2	18.4
176	18.7	14.7	22.1





#15

Fluoranthene

Concen: 1.314 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

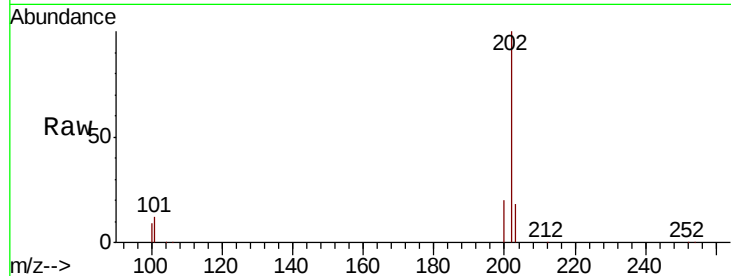
ClientSampleId :

C0BR5

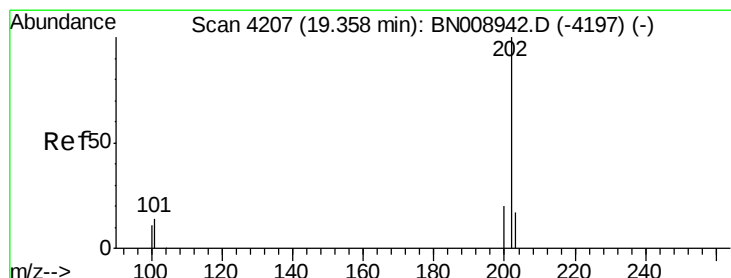
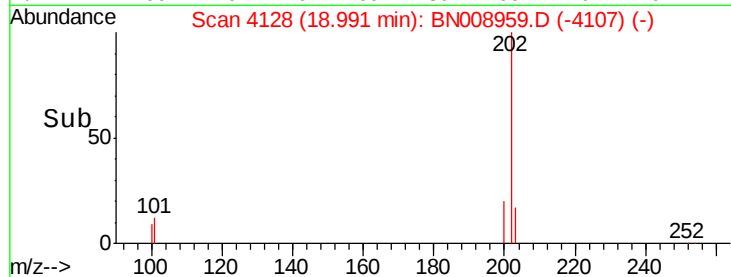
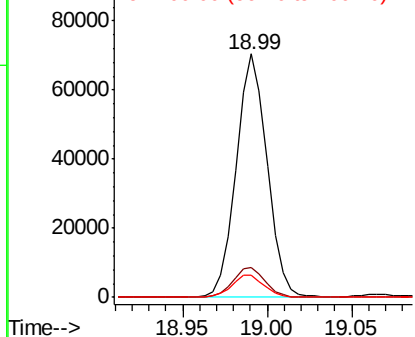
Tot Ion:	202	Resp:	88459
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	32.4
100	9.1	0.0	29.2

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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



#17

Pyrene

Concen: 1.509 ng/ul

RT: 19.35 min Scan# 4206

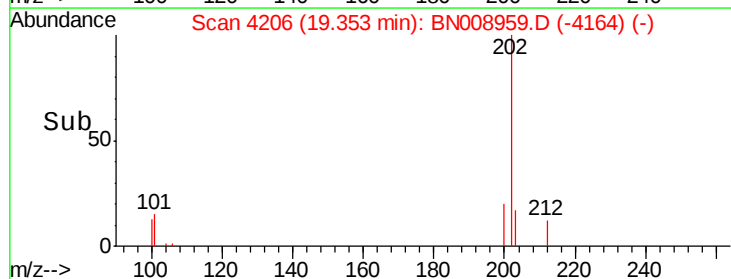
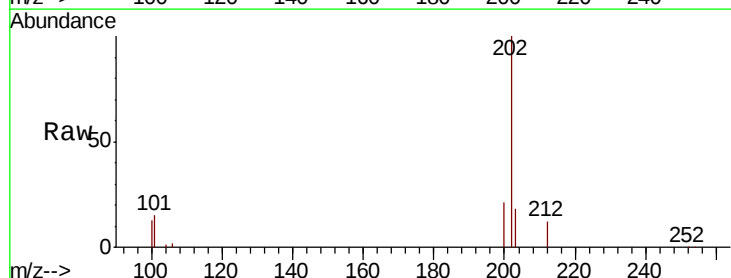
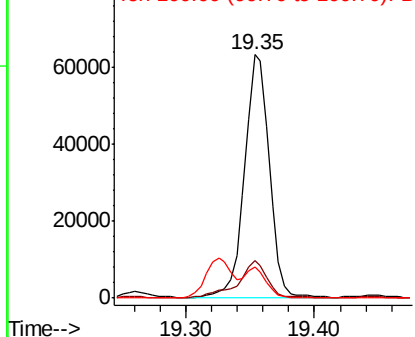
Delta R.T. -0.00 min

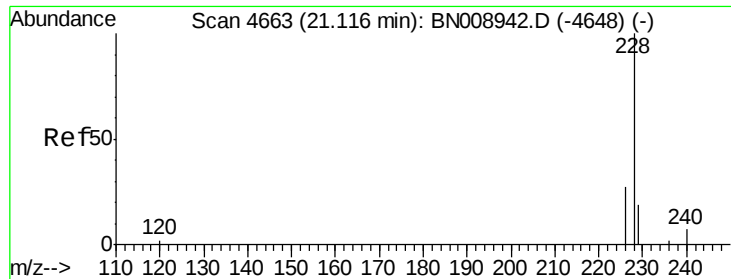
Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Tgt Ion:	202	Resp:	84045
Ion Ratio	Lower	Upper	
202	100		
101	15.3	12.2	18.4
100	12.6	9.5	14.3

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





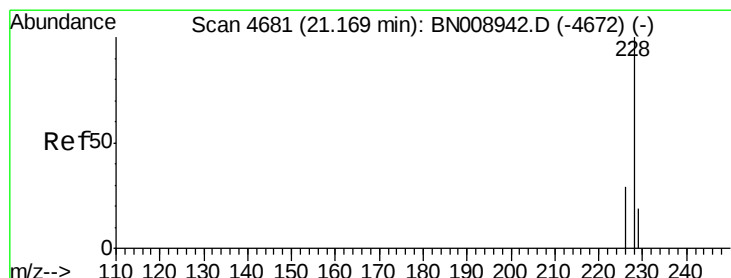
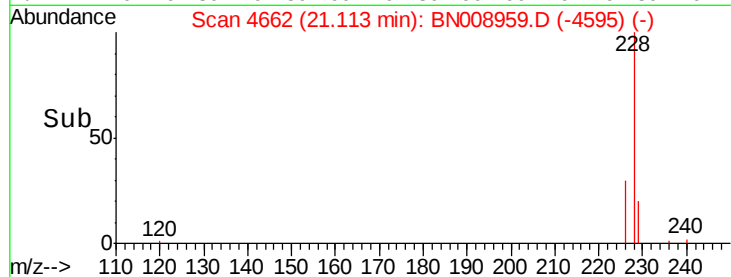
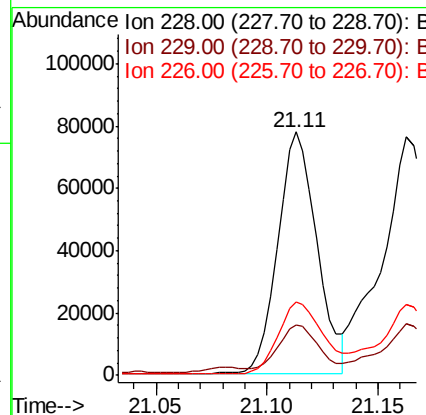
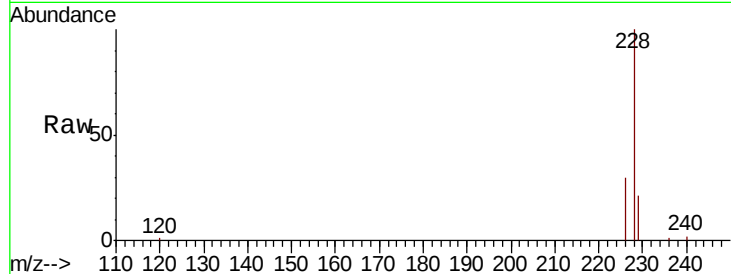
#18
Benzo(a)anthracene
Concen: 1.694 ng/ul
RT: 21.11 min Scan# 4662
Delta R.T. -0.01 min
Lab File: BN008959.D
Acq: 12 Dec 2019 23:13

Instrument :
BNA_N
ClientSampleId :
C0BR5

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.7	23.5
226	30.2	21.5	32.3

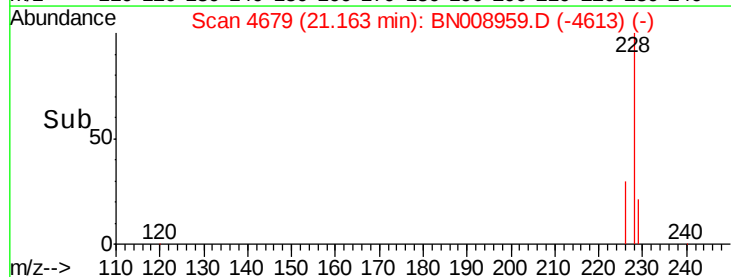
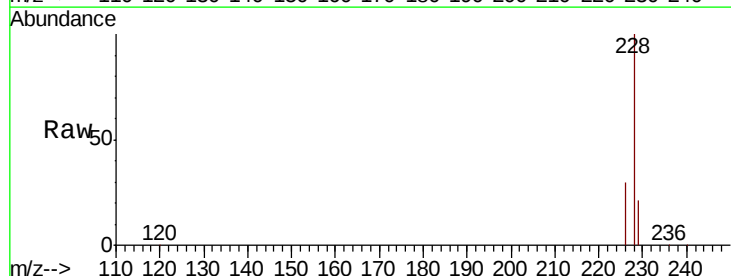
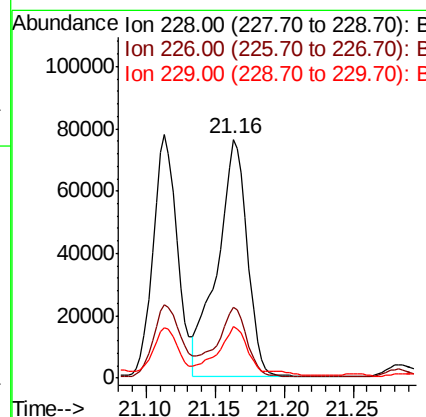
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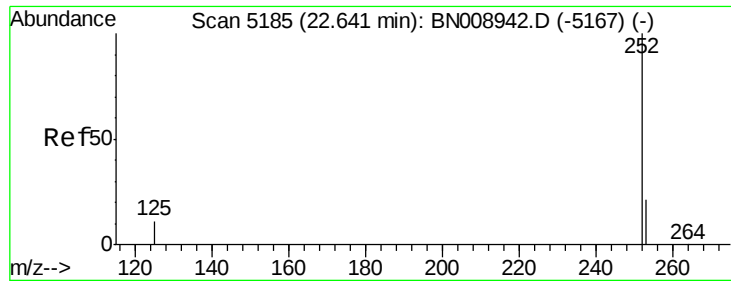
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#19
Chrysene
Concen: 2.076 ng/ul
RT: 21.16 min Scan# 4679
Delta R.T. -0.01 min
Lab File: BN008959.D
Acq: 12 Dec 2019 23:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	21.4	15.6	23.4





#21

Benzo(b)fluoranthene

Concen: 2.930 ng/ul m

RT: 22.64 min Scan# 5185

Delta R.T. -0.01 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

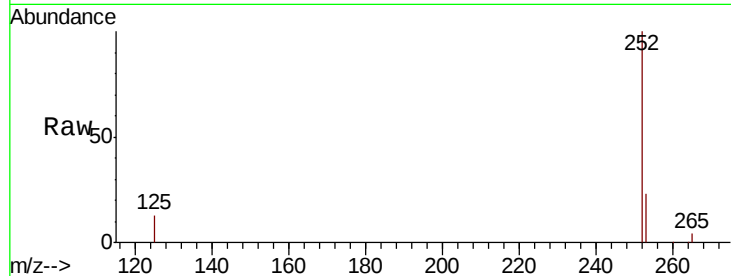
ClientSampleId :

C0BR5

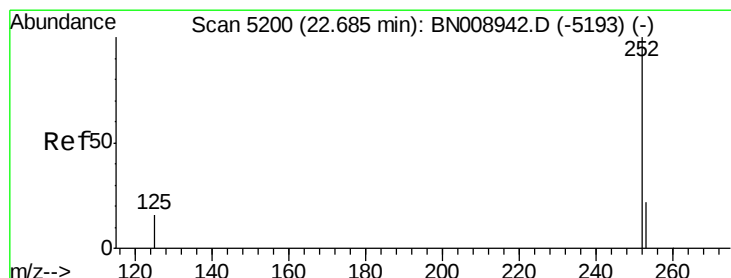
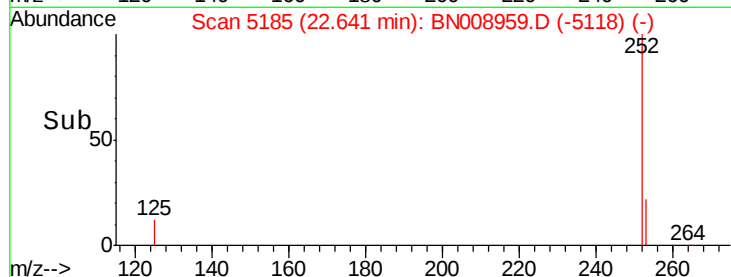
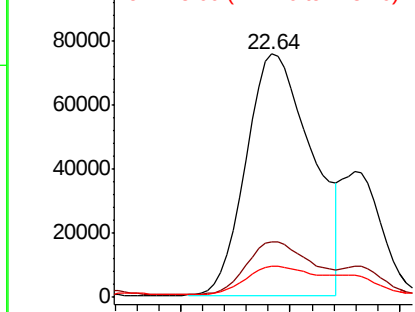
Tot Ion:	252	Resp:	159206
Ion Ratio	Lower	Upper	
252	100		
253	22.9	0.0	48.6
125	12.8	0.0	31.6

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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



#22

Benzo(k)fluoranthene

Concen: 0.898 ng/ul m

RT: 22.68 min Scan# 5198

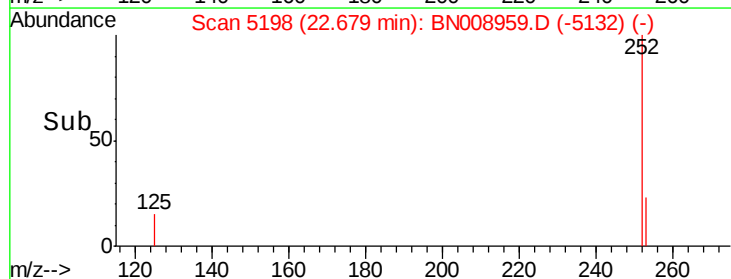
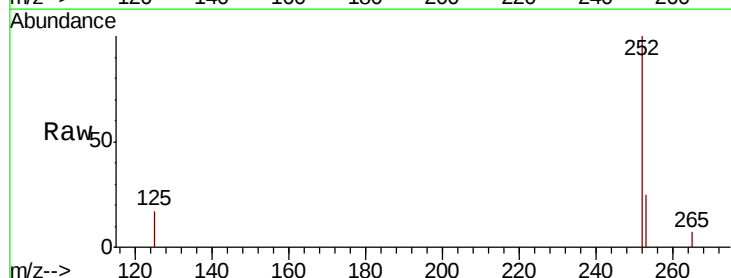
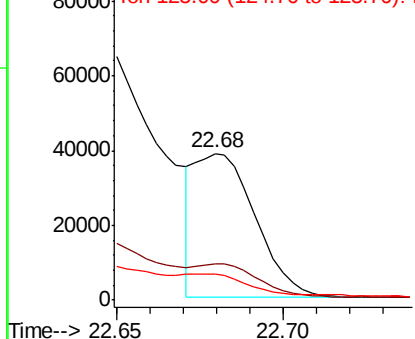
Delta R.T. -0.01 min

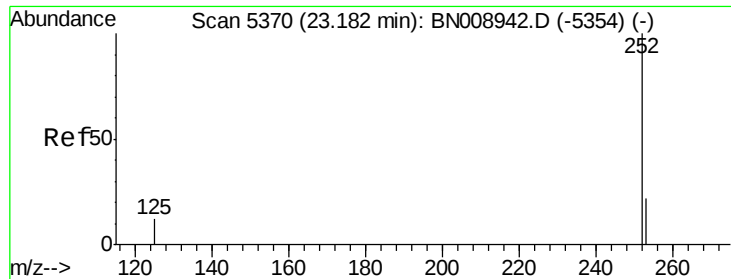
Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Tgt Ion:	252	Resp:	48377
Ion Ratio	Lower	Upper	
252	100		
253	24.6	19.6	29.4
125	17.5	13.8	20.6

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: 1.736 ng/ul

RT: 23.18 min Scan# 5370

Delta R.T. -0.01 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

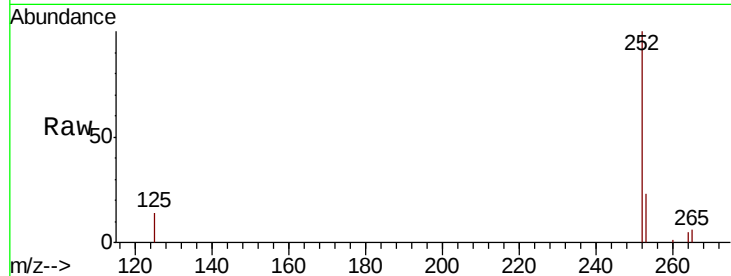
ClientSampleId :

C0BR5

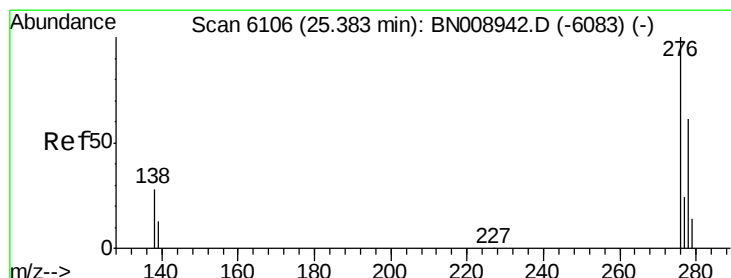
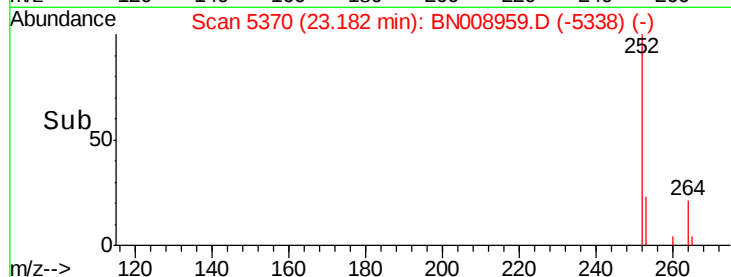
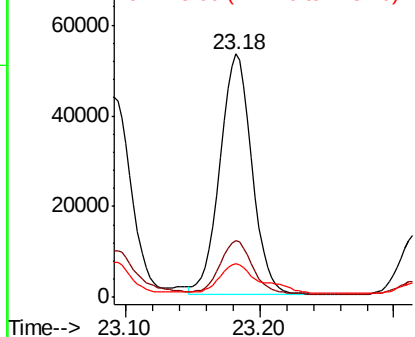
Tot Ion:	252	Resp:	88530
Ion Ratio	Lower	Upper	
252	100		
253	23.2	19.9	29.9
125	13.8	14.6	22.0

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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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.857 ng/ul

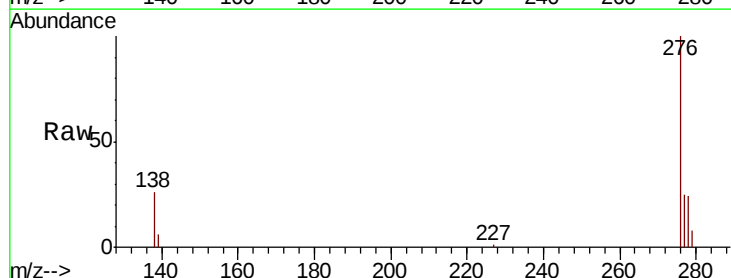
RT: 25.38 min Scan# 6104

Delta R.T. -0.01 min

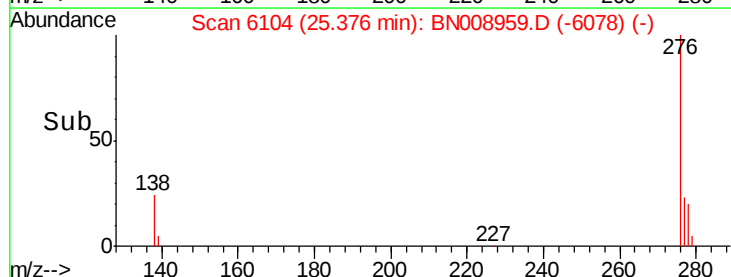
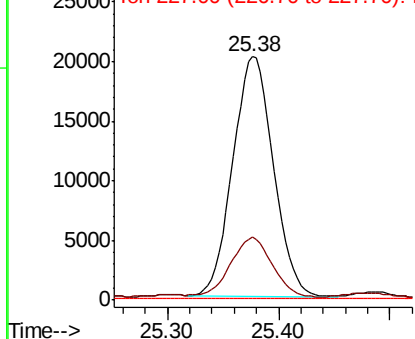
Lab File: BN008959.D

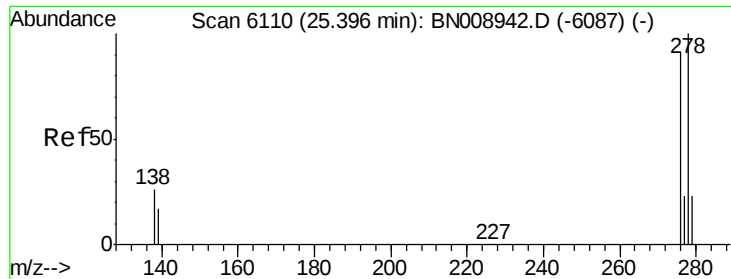
Acq: 12 Dec 2019 23:13

Tgt Ion:	276	Resp:	51133
Ion Ratio	Lower	Upper	
276	100		
138	25.2	23.8	35.6
227	0.2	0.2	0.2



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





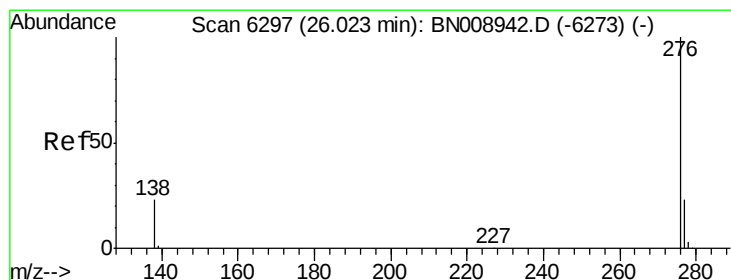
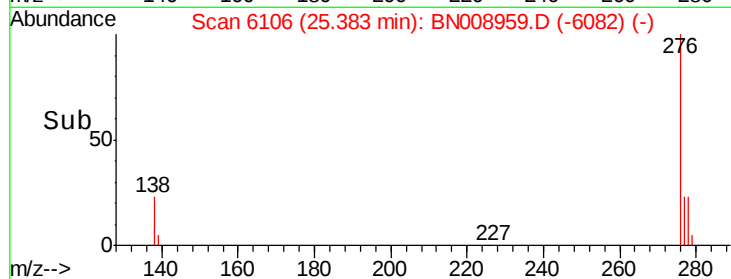
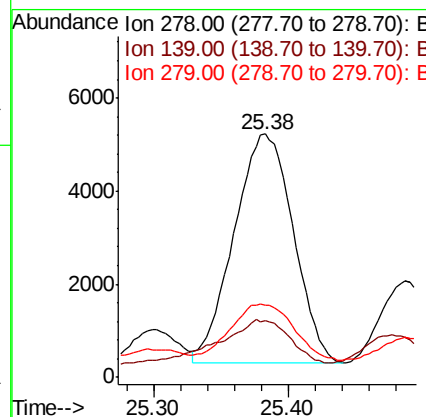
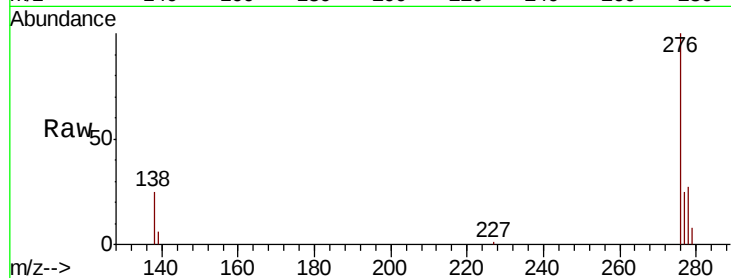
#25
Dibenzo(a,h)anthracene
Concen: 0.312 ng/ul
RT: 25.38 min Scan# 6106
Delta R.T. -0.02 min
Lab File: BN008959.D
Acq: 12 Dec 2019 23:13

Instrument :
BNA_N
ClientSampleId :
C0BR5

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.2	17.4	26.0
279	29.9	20.5	30.7

Manual Integrations
APPROVED

mohammad
12/13/2019 9:08:35 AM



#26
Benzo(g,h,i)perylene
Concen: 0.876 ng/ul
RT: 26.02 min Scan# 6295
Delta R.T. -0.01 min
Lab File: BN008959.D
Acq: 12 Dec 2019 23:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	21.9	32.9
277	24.7	19.9	29.9

