

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009048.D
 Acq On : 20 Dec 2019 02:36
 Operator : JU
 Sample : K6171-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BS1

Manual Integrations
 APPROVED

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 12/20/2019 4:29:59 PM

Quant Time: Dec 20 06:20:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 19 15:54:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2981	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	11919	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	7097	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	15350	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	10309	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	8829	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	2756	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.94	212	7059	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	1286	0.036	ng/ul#	86
5) 2-Methylnaphthalene	11.96	142	778	0.028	ng/ul	98
7) Acenaphthylene	13.88	152	1497	0.040	ng/ul#	87
9) Fluorene	15.22	166	1009	0.029	ng/ul#	95
12) Phenanthrene	16.95	178	22253	0.417	ng/ul	100
13) Anthracene	17.04	178	4093	0.085	ng/ul#	95
15) Fluoranthene	18.98	202	67384	1.104	ng/ul	99
17) Pyrene	19.34	202	55174	1.049	ng/ul	98
18) Benzo(a)anthracene	21.10	228	24235	0.529	ng/ul	97
19) Chrysene	21.15	228	27025	0.587	ng/ul	96
21) Benzo(b)fluoranthene	22.62	252	31842m	0.772	ng/ul	
22) Benzo(k)fluoranthene	22.66	252	10148m	0.244	ng/ul	
23) Benzo(a)pyrene	23.16	252	19154	0.530	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.35	276	12826	0.326	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.35	278	3078	0.098	ng/ul#	70
26) Benzo(a,h,i)perylene	25.98	276	12896	0.389	ng/ul	97

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

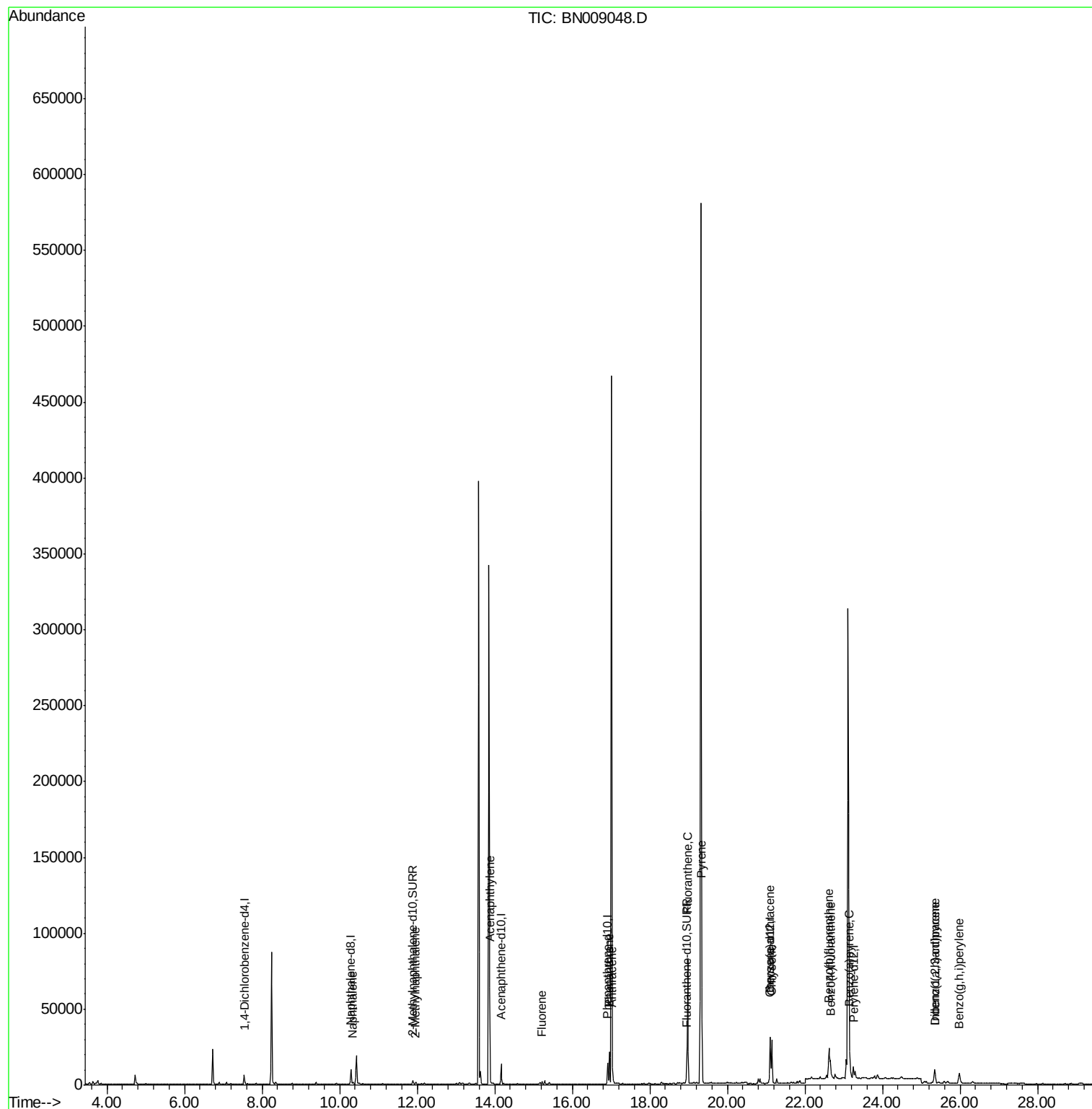
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
Data File : BN009048.D
Acq On : 20 Dec 2019 02:36
Operator : JU
Sample : K6171-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

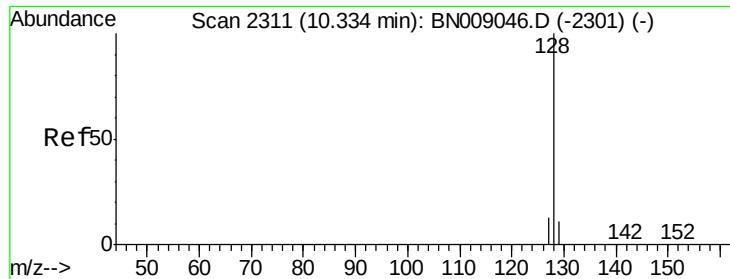
Instrument :
BNA_N
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C0BS1

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Quant Time: Dec 20 06:20:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 15:54:16 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.036 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

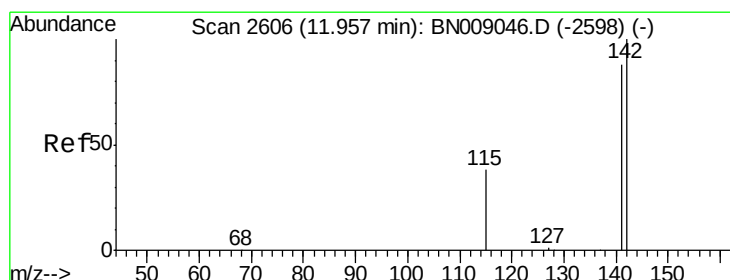
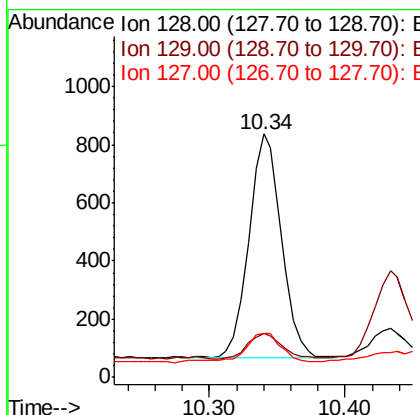
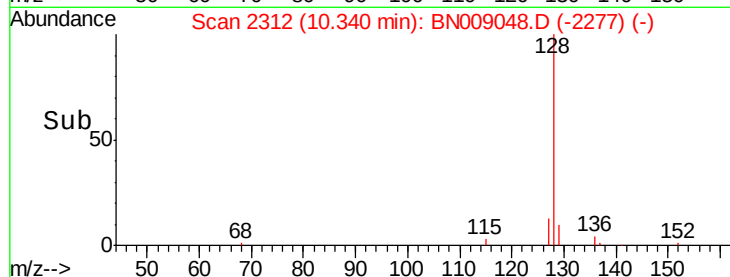
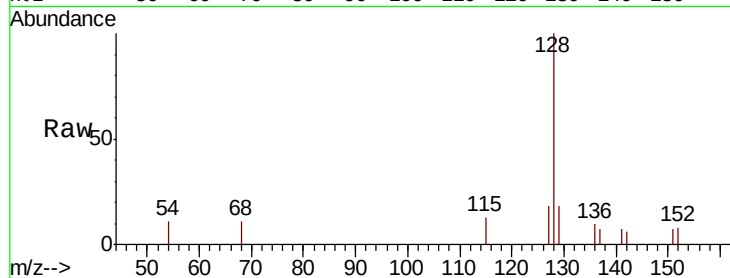
ClientSampleId :

C0BS1

Tot Ion:	128	Resp:	1286
Ion Ratio	Lower	Upper	
128	100		
129	17.9	9.0	13.4#
127	18.3	10.9	16.3#

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#5

2-Methylnaphthalene

Concen: 0.028 ng/ul

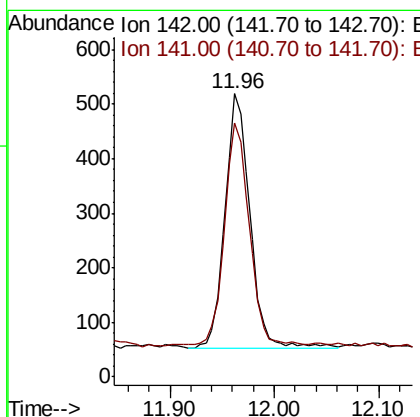
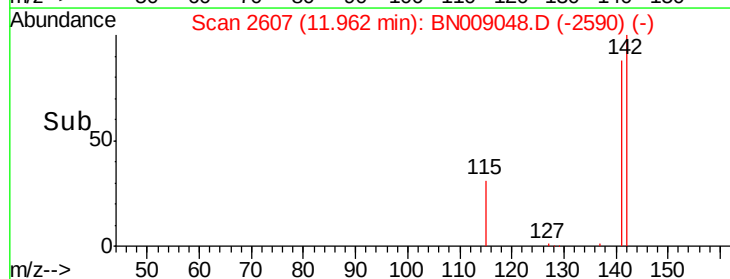
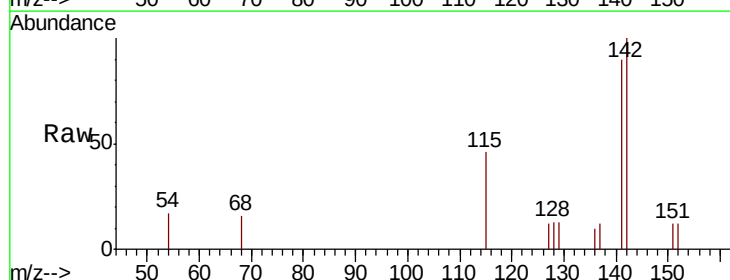
RT: 11.96 min Scan# 2607

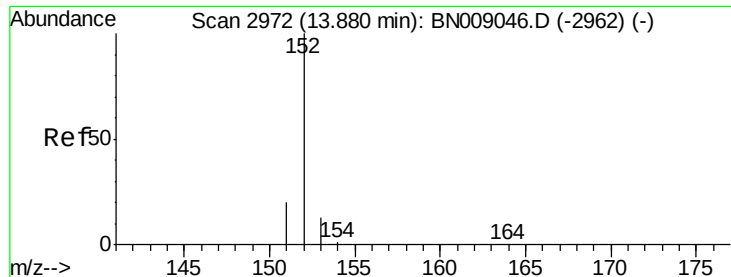
Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Tgt Ion:	142	Resp:	778
Ion Ratio	Lower	Upper	
142	100		
141	85.6	70.2	105.4





#7

Acenaphthylene

Concen: 0.040 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

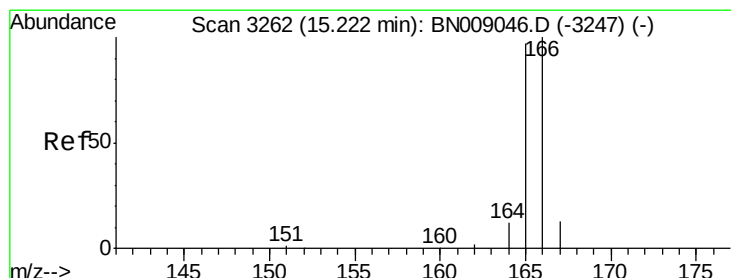
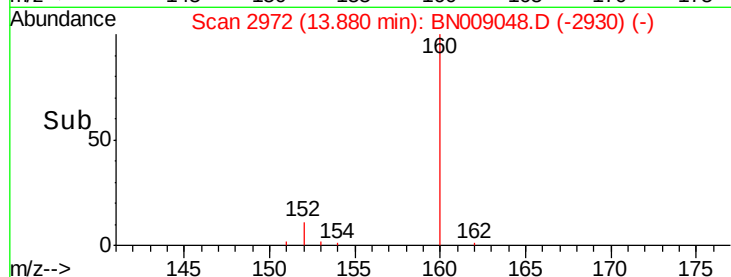
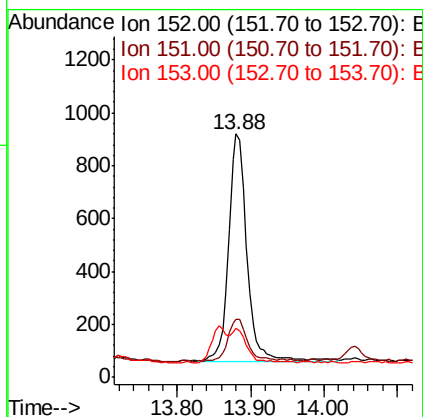
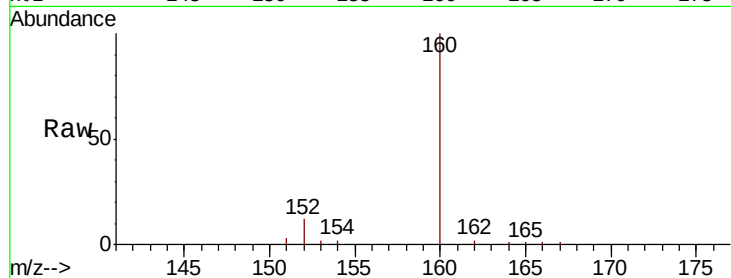
ClientSampleId :

C0BS1

Tot Ion:	152	Resp:	1497
Ion Ratio	Lower	Upper	
152	100		
151	24.0	15.7	23.5#
153	20.3	10.8	16.2#

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#9

Fluorene

Concen: 0.029 ng/ul

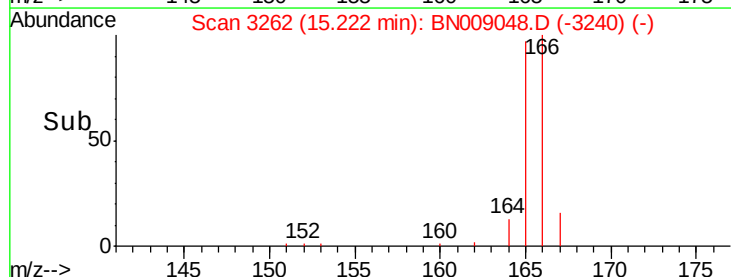
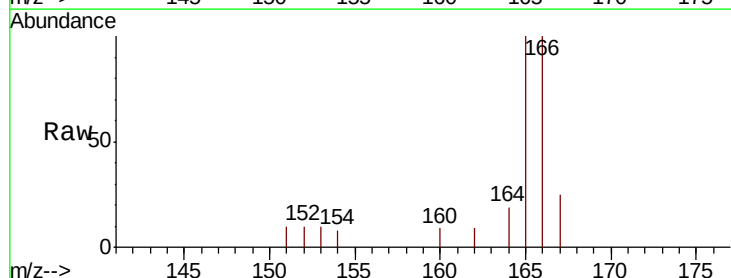
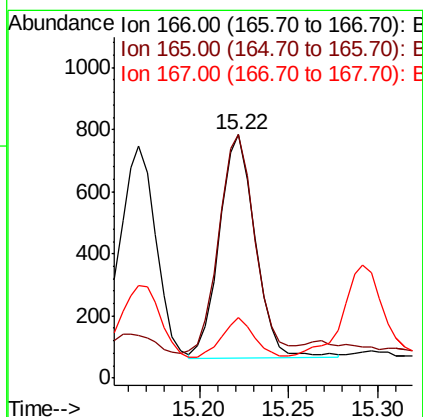
RT: 15.22 min Scan# 3262

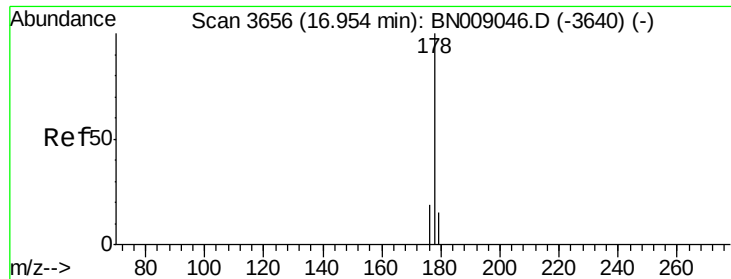
Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Tgt Ion:	166	Resp:	1009
Ion Ratio	Lower	Upper	
166	100		
165	99.9	78.2	117.4
167	24.6	11.0	16.6#





#12

Phenanthrene

Concen: 0.417 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

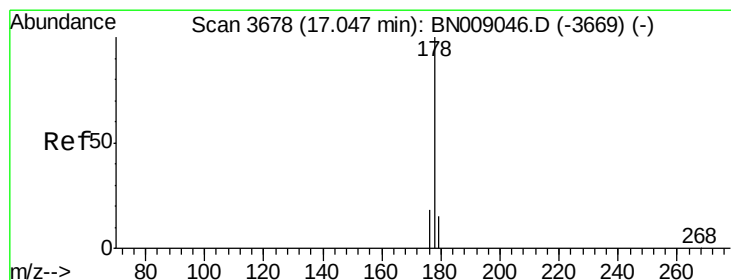
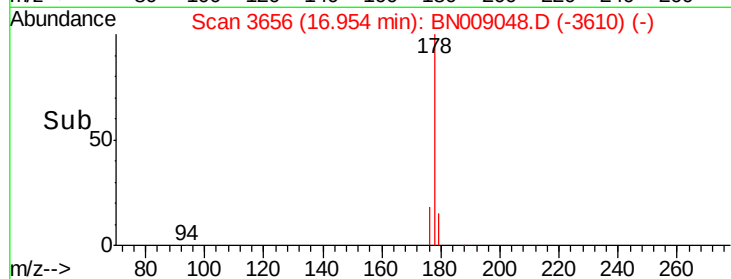
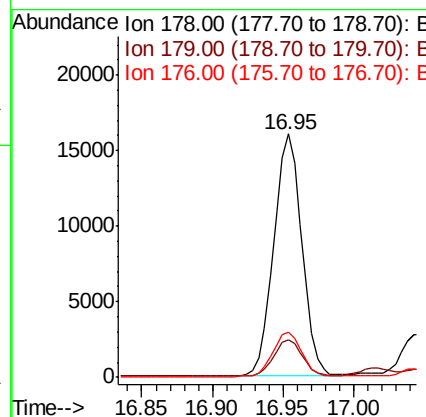
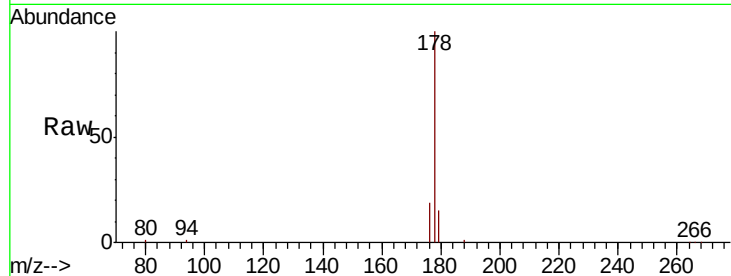
ClientSampleId :

C0BS1

Tot Ion:178	Resp:	22253
Ion Ratio	Lower	Upper
178	100	
179	15.4	12.3 18.5
176	18.8	15.1 22.7

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#13

Anthracene

Concen: 0.085 ng/ul

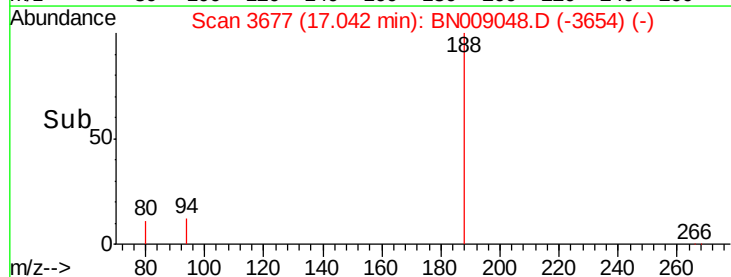
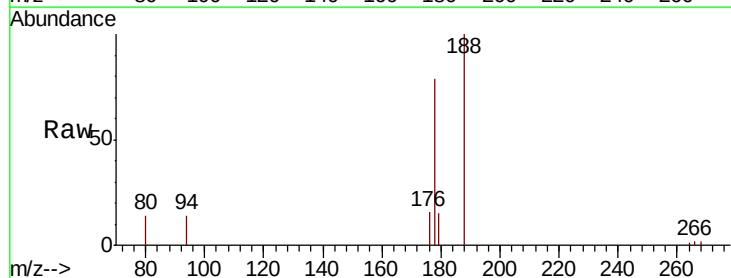
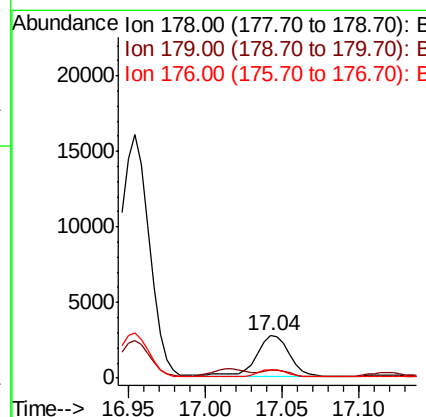
RT: 17.04 min Scan# 3677

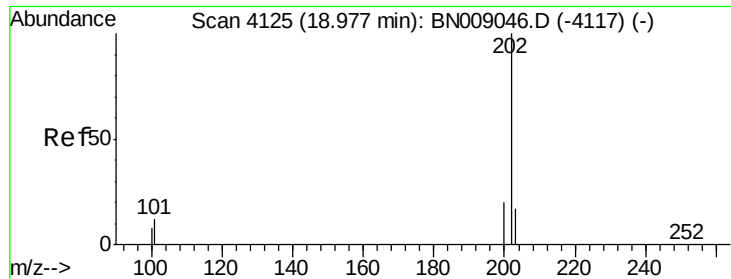
Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Tgt Ion:178	Resp:	4093
Ion Ratio	Lower	Upper
178	100	
179	19.2	12.5 18.7#
176	19.8	14.9 22.3





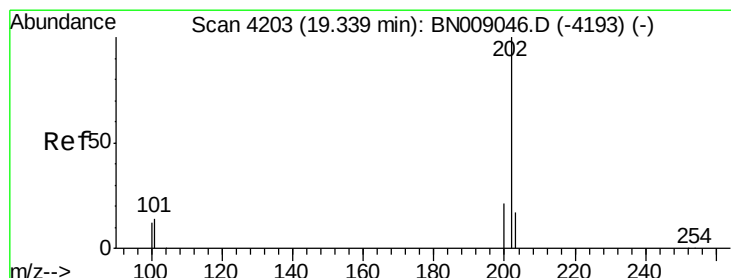
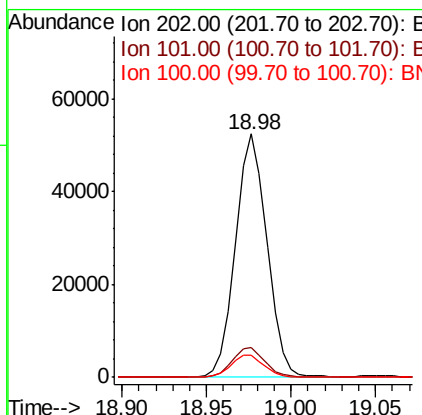
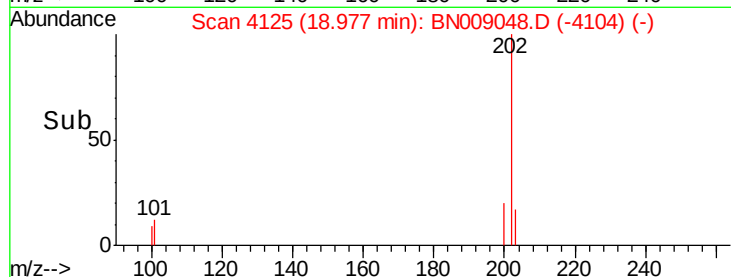
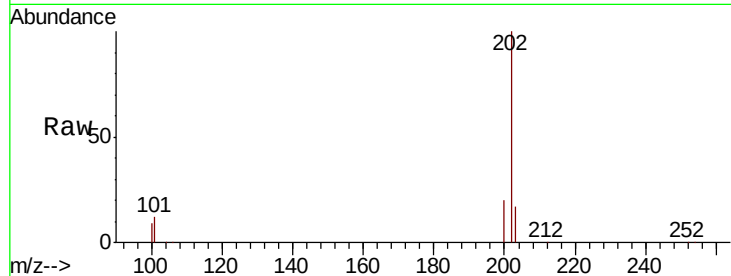
#15
Fluoranthene
Concen: 1.104 ng/ul
RT: 18.98 min Scan# 4125
Delta R.T. -0.00 min
Lab File: BN009048.D
Acq: 20 Dec 2019 02:36

Instrument :
BNA_N
ClientSampleId :
C0BS1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	31.5
100	9.2	0.0	28.9

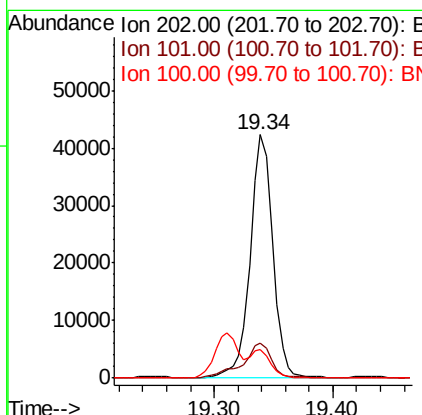
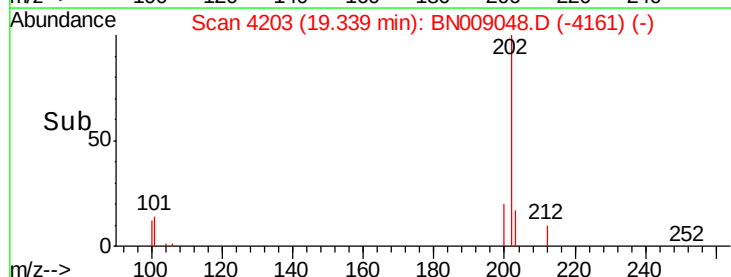
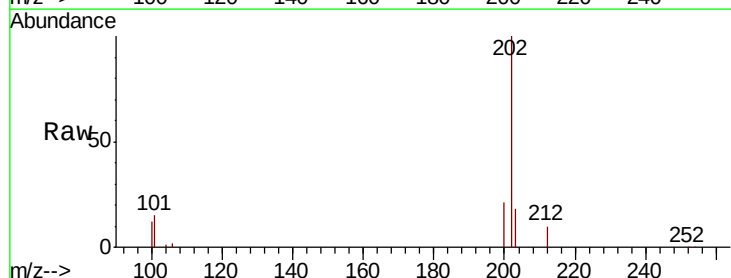
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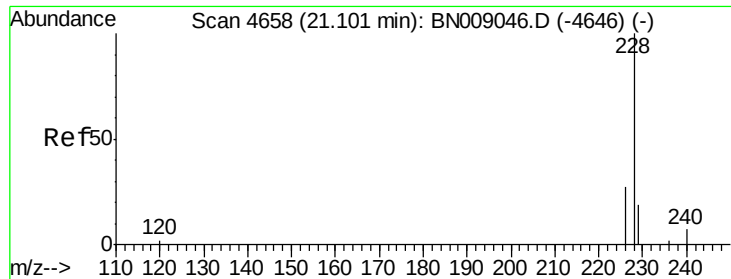
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#17
Pyrene
Concen: 1.049 ng/ul
RT: 19.34 min Scan# 4203
Delta R.T. -0.00 min
Lab File: BN009048.D
Acq: 20 Dec 2019 02:36

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	10.9	16.3
100	11.9	9.0	13.6





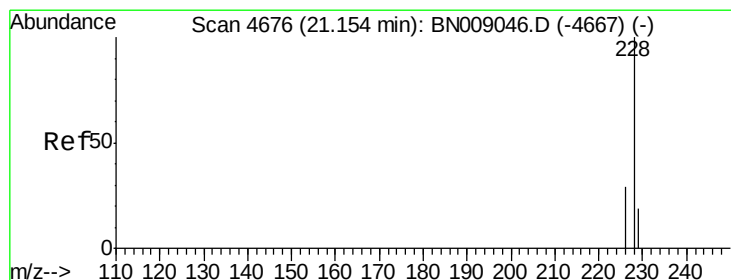
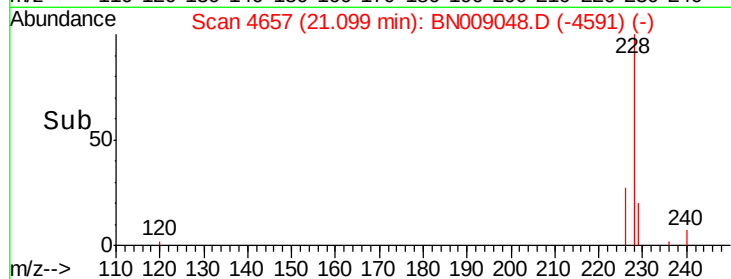
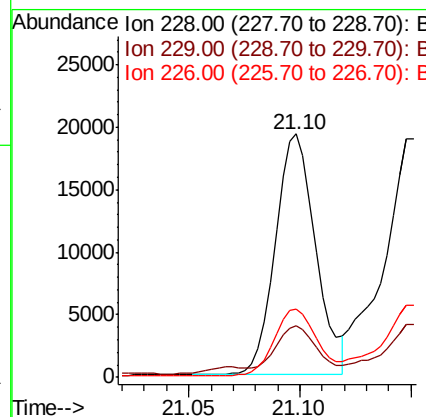
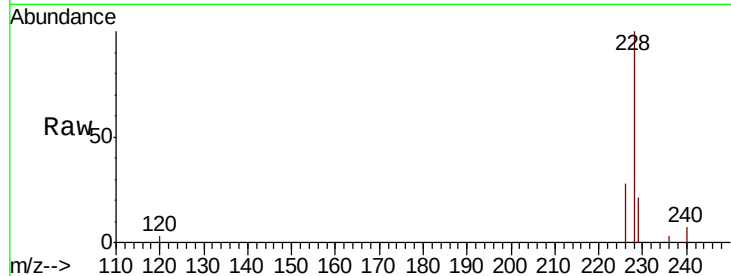
#18
Benzo(a)anthracene
Concen: 0.529 ng/ul
RT: 21.10 min Scan# 4657
Delta R.T. -0.01 min
Lab File: BN009048.D
Acq: 20 Dec 2019 02:36

Instrument :
BNA_N
ClientSampleId :
C0BS1

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.5	23.3
226	28.0	21.7	32.5

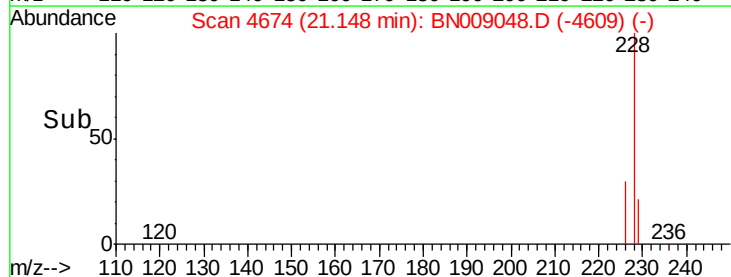
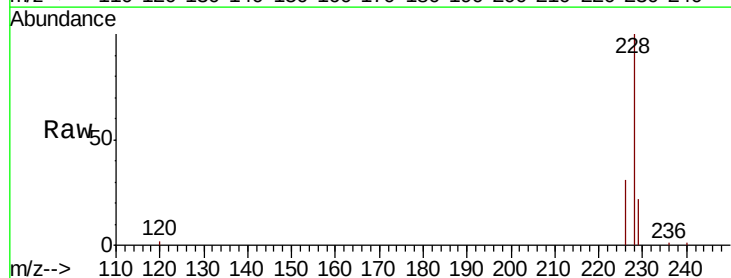
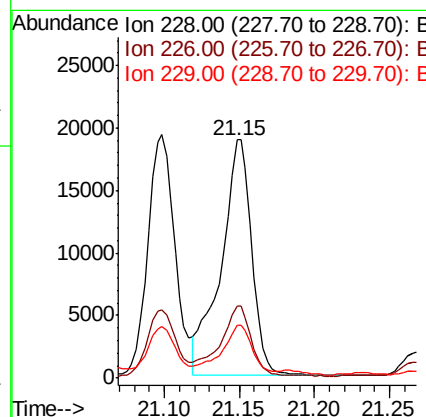
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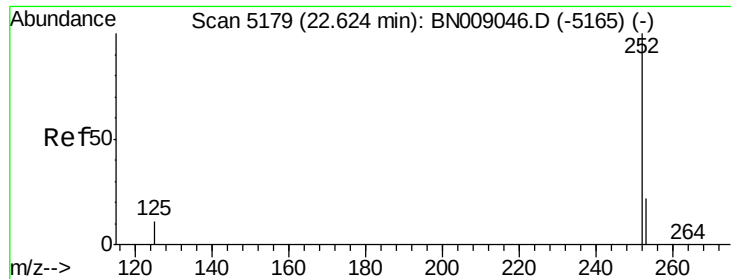
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#19
Chrysene
Concen: 0.587 ng/ul
RT: 21.15 min Scan# 4674
Delta R.T. -0.01 min
Lab File: BN009048.D
Acq: 20 Dec 2019 02:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	22.2	15.4	23.0





#21

Benzo(b)fluoranthene

Concen: 0.772 ng/ul m

RT: 22.62 min Scan# 5178

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

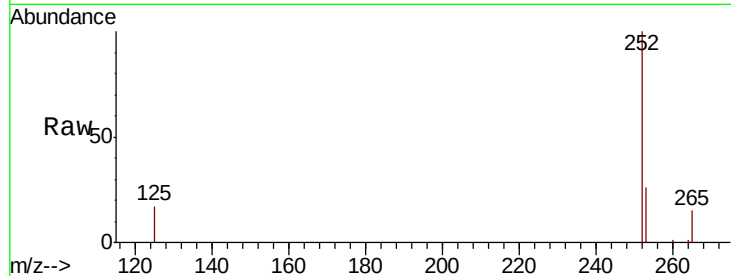
ClientSampled :

C0BS1

Tot Ion:	252	Resp:	31842
Ion Ratio	Lower	Upper	
252	100		
253	25.6	0.0	48.2
125	16.9	0.0	30.0

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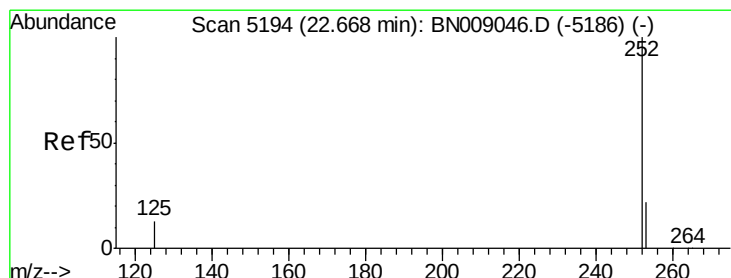
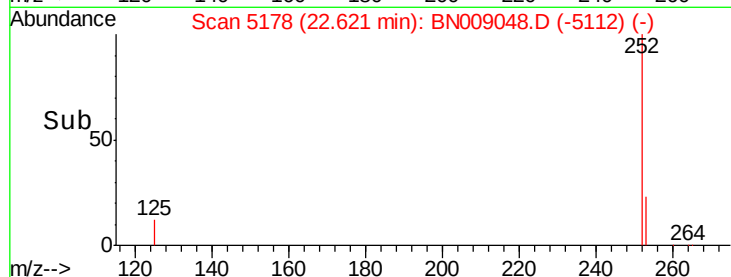
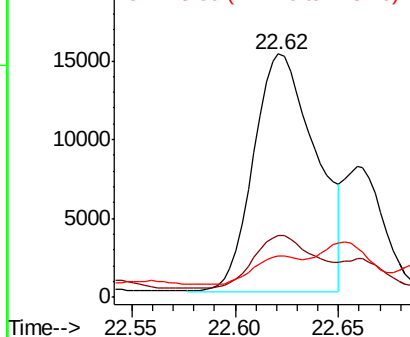


Abundance

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



#22

Benzo(k)fluoranthene

Concen: 0.244 ng/ul m

RT: 22.66 min Scan# 5191

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

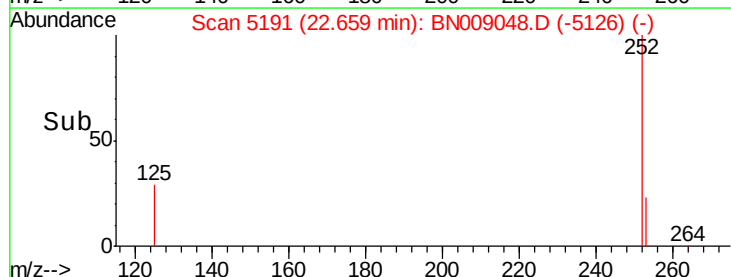
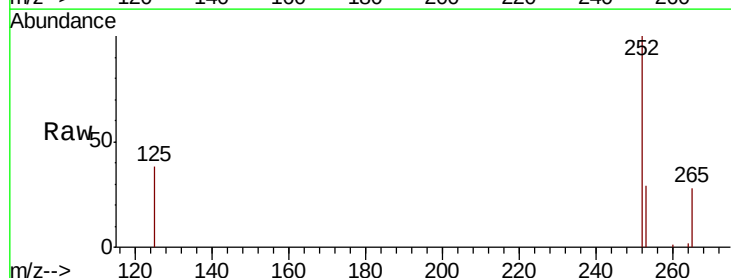
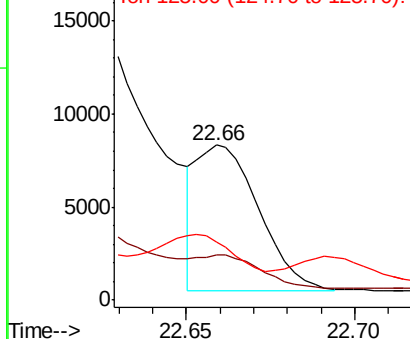
Tgt Ion:	252	Resp:	10148
Ion Ratio	Lower	Upper	
252	100		
253	29.1	19.4	29.0#
125	37.8	12.4	18.6#

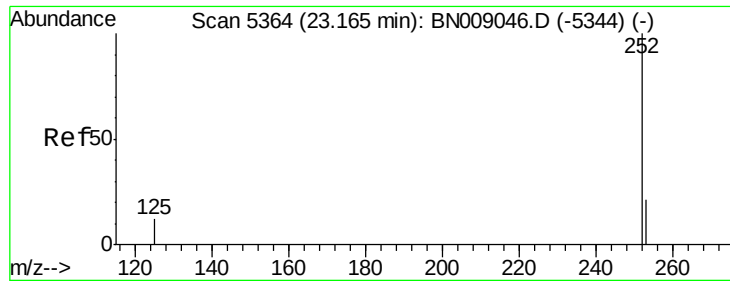
Abundance

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: 0.530 ng/ul

RT: 23.16 min Scan# 5362

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

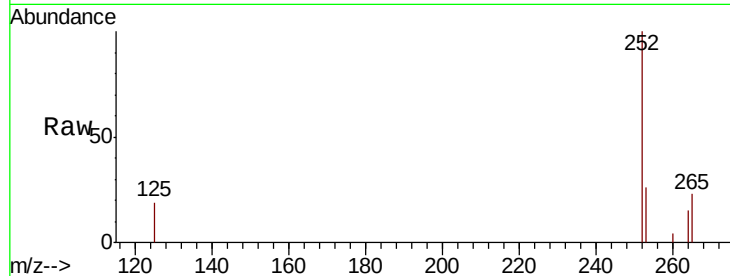
ClientSampled :

C0BS1

Tot Ion:	252	Resp:	19154
Ion Ratio	Lower	Upper	
252	100		
253	26.3	20.2	30.4
125	18.9	13.2	19.8

Manual Integrations
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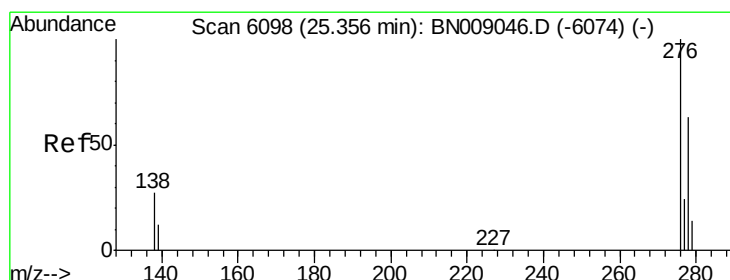
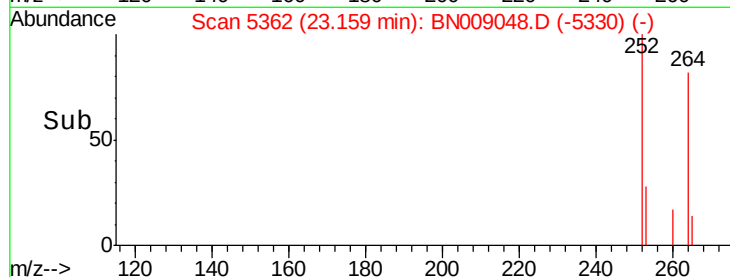
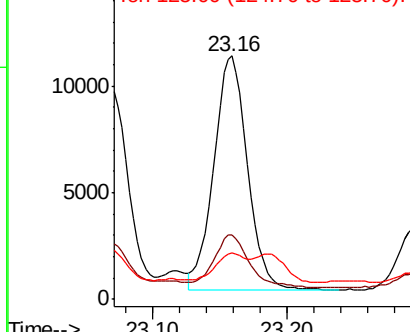


Abundance

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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.326 ng/ul

RT: 25.35 min Scan# 6095

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

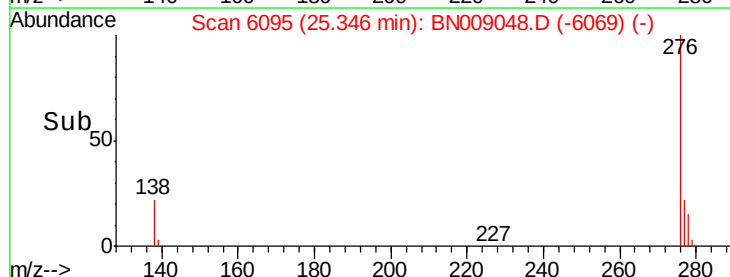
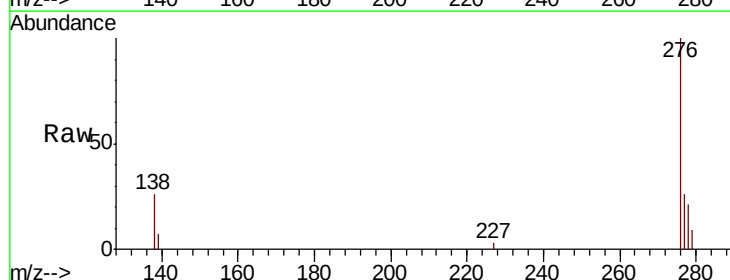
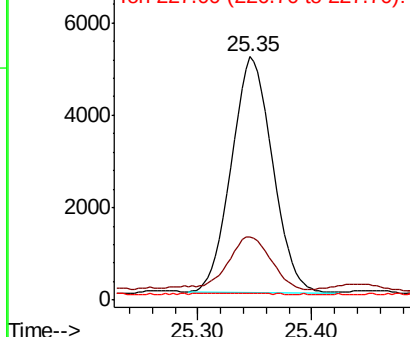
Tgt Ion:	276	Resp:	12826
Ion Ratio	Lower	Upper	
276	100		
138	24.0	22.4	33.6
227	0.4	0.2	0.4#

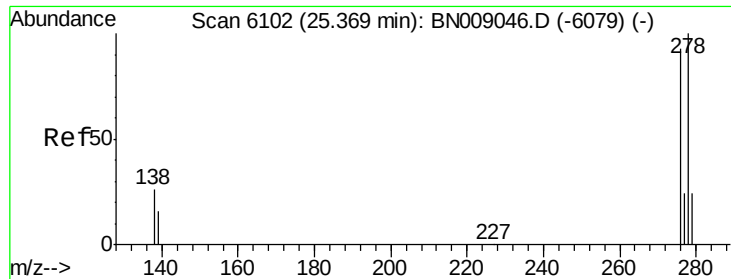
Abundance

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





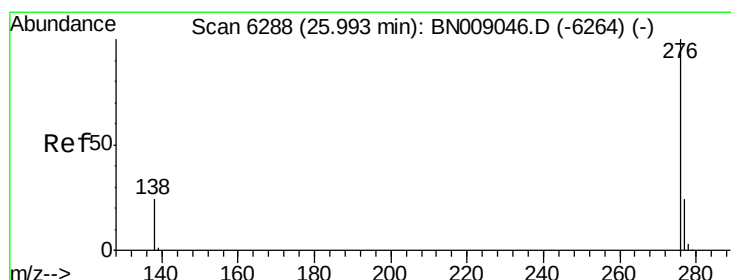
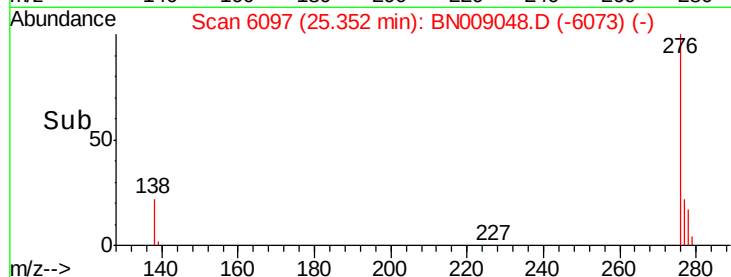
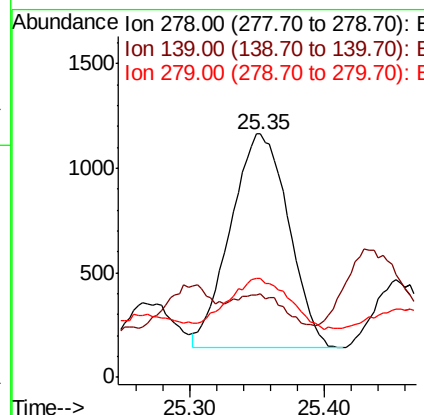
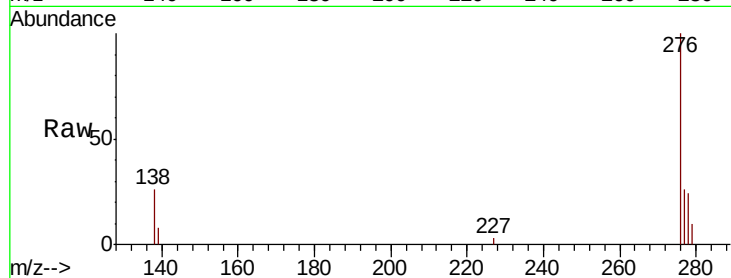
#25
Dibenzo(a,h)anthracene
Concen: 0.098 ng/ul
RT: 25.35 min Scan# 6097
Delta R.T. -0.02 min
Lab File: BN009048.D
Acq: 20 Dec 2019 02:36

Instrument :
BNA_N
ClientSampled :
C0BS1

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.3	16.2	24.2#
279	40.6	20.3	30.5#

Manual Integrations
APPROVED

Sohil
12/20/2019 4:29:59 PM



#26
Benzo(g,h,i)perylene
Concen: 0.389 ng/ul
RT: 25.98 min Scan# 6285
Delta R.T. -0.01 min
Lab File: BN009048.D
Acq: 20 Dec 2019 02:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.6	30.8
277	25.7	19.6	29.4

