

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008180.D
 Acq On : 15 Oct 2019 19:14
 Operator : JU
 Sample : K5175-08
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP88

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Quant Time: Oct 16 04:09:12 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 : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1913	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	9380	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	5967	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	13565m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	14612m	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	14581	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3595	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	11811m	0.25	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	1216	0.046	ng/ul#	83
5) 2-Methylnaphthalene	12.06	142	504	0.028	ng/ul	96
7) Acenaphthylene	13.97	152	1360	0.048	ng/ul#	87
9) Fluorene	15.30	166	558	0.022	ng/ul#	95
12) Phenanthrene	17.04	178	20391	0.513	ng/ul	99
13) Anthracene	17.13	178	1004m	0.029	ng/ul	
15) Fluoranthene	19.06	202	29704m	0.566	ng/ul	
17) Pyrene	19.42	202	24310m	0.418	ng/ul	
18) Benzo(a)anthracene	21.18	228	7907	0.149	ng/ul	95
19) Chrysene	21.23	228	14536	0.223	ng/ul	98
21) Benzo(b)fluoranthene	22.73	252	16689m	0.352	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	5575m	0.104	ng/ul	
23) Benzo(a)pyrene	23.29	252	9683	0.194	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.55	276	6431	0.109	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.56	278	1179	0.025	ng/ul#	38
26) Benzo(a,h,i)perylene	26.21	276	5030	0.093	ng/ul#	91

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

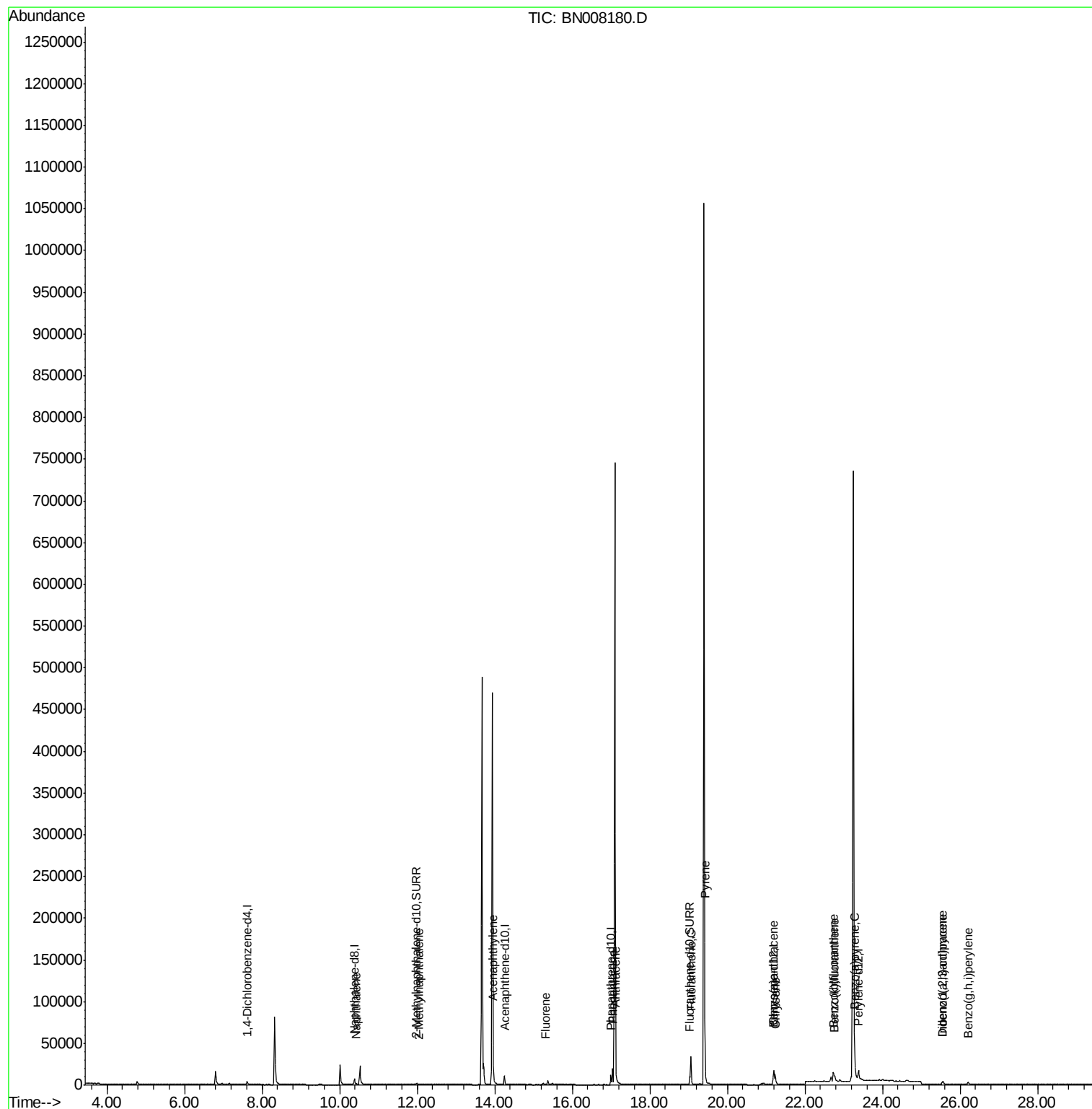
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
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ALS Vial : 47 Sample Multiplier: 1

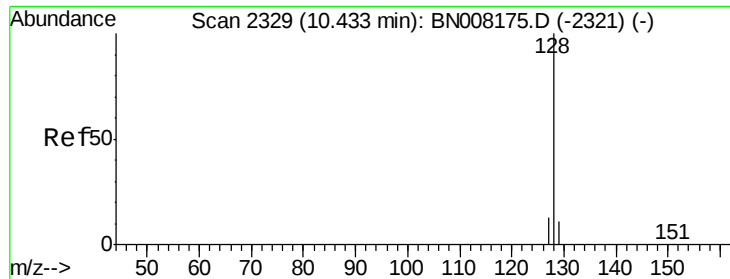
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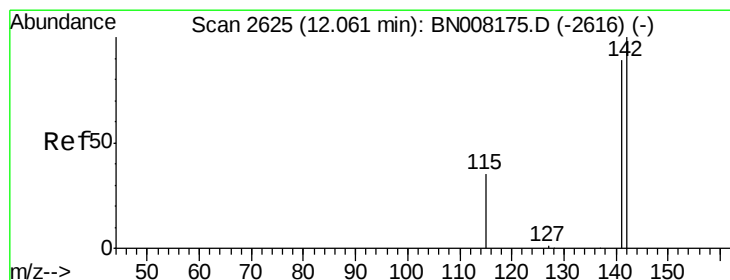
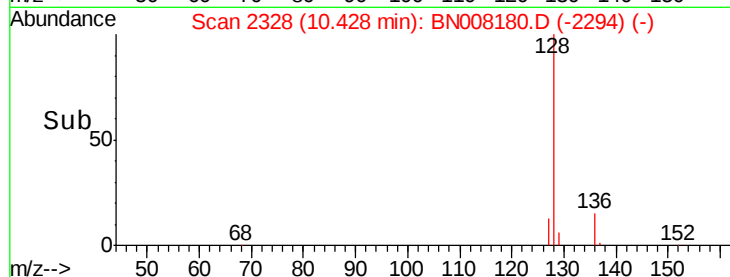
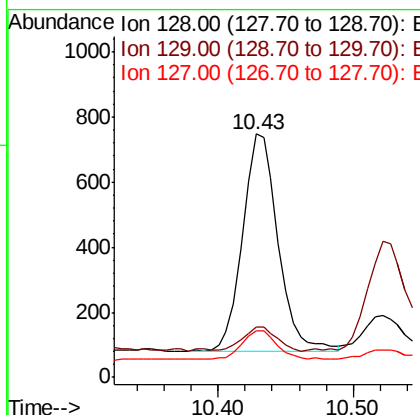
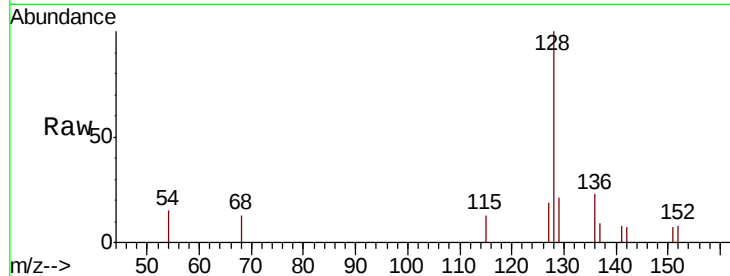
#3
Naphthalene
Concen: 0.046 ng/ul
RT: 10.43 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN008180.D
Acq: 15 Oct 2019 19:14

Instrument :
BNA_N
ClientSampled :
BEP88

Tot Ion	Ratio	Lower	Upper
128	100		
129	20.6	9.8	14.8#
127	19.4	11.1	16.7#

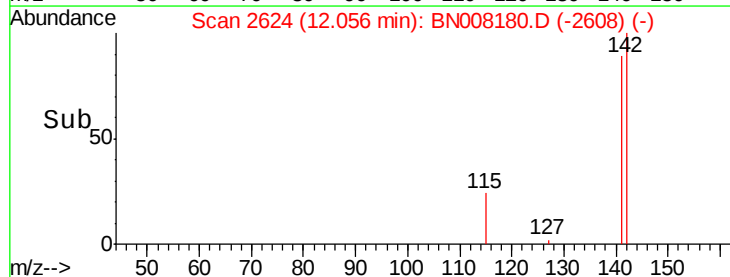
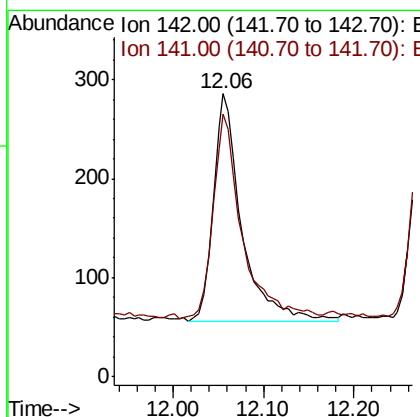
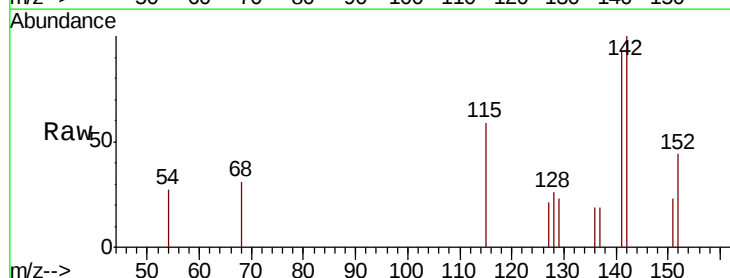
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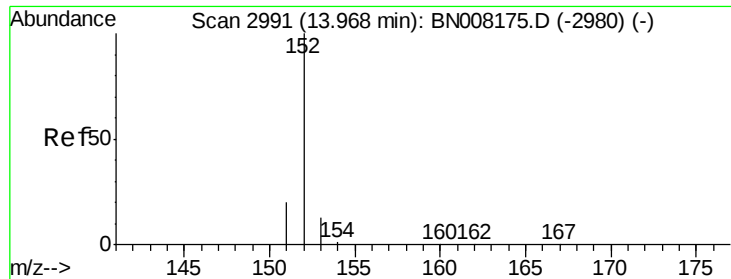
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#5
2-Methylnaphthalene
Concen: 0.028 ng/ul
RT: 12.06 min Scan# 2624
Delta R.T. -0.01 min
Lab File: BN008180.D
Acq: 15 Oct 2019 19:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	71.4	107.2





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BN008180.D

Acq: 15 Oct 2019 19:14

Instrument :

BNA_N

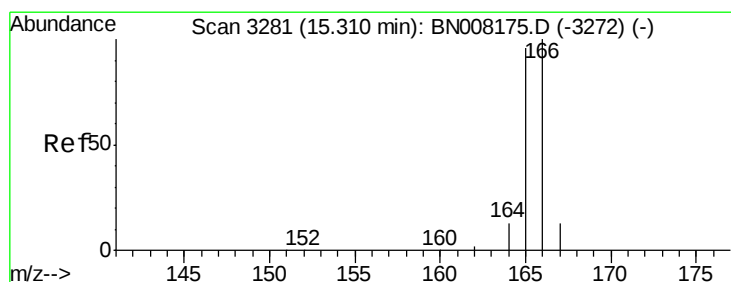
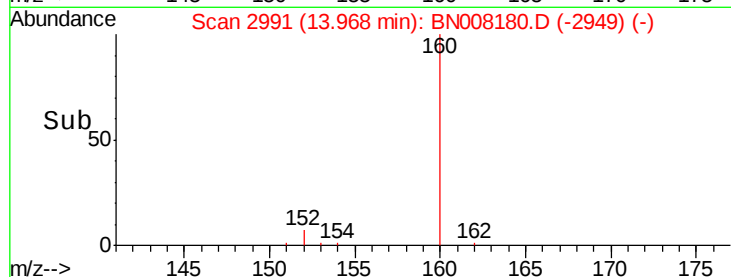
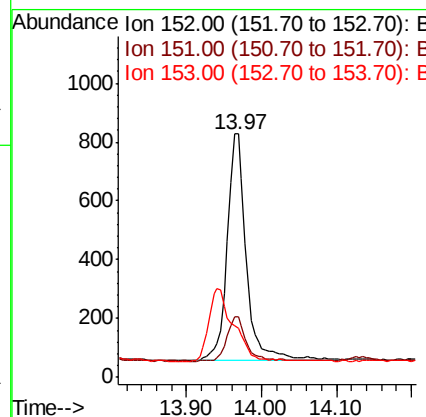
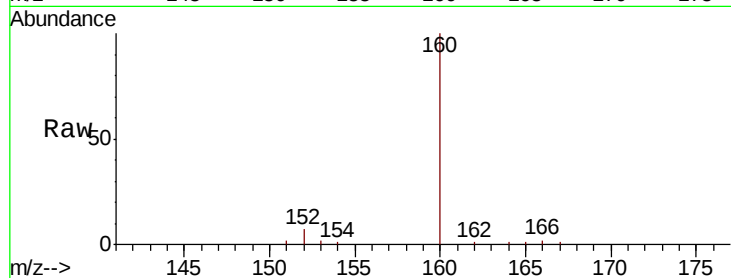
ClientSampled :

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Tot Ion:	152	Resp:	1360
Ion Ratio	Lower	Upper	
152	100		
151	25.0	16.2	24.4#
153	20.3	11.0	16.4#

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#9

Fluorene

Concen: 0.022 ng/ul

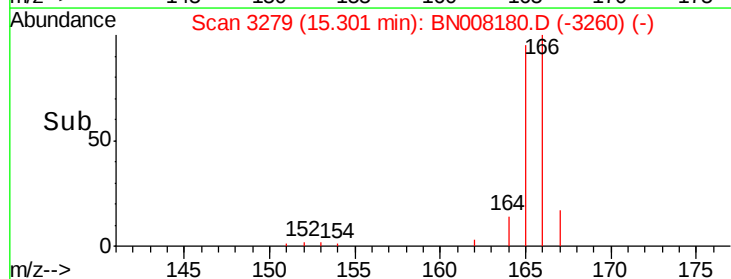
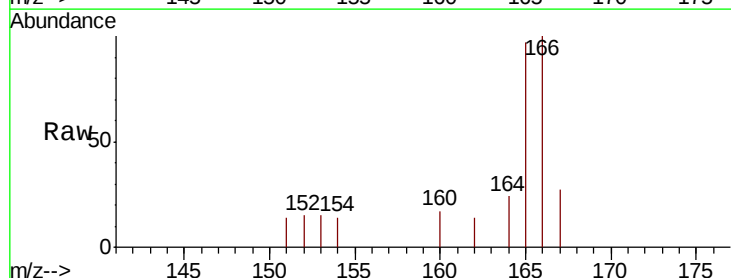
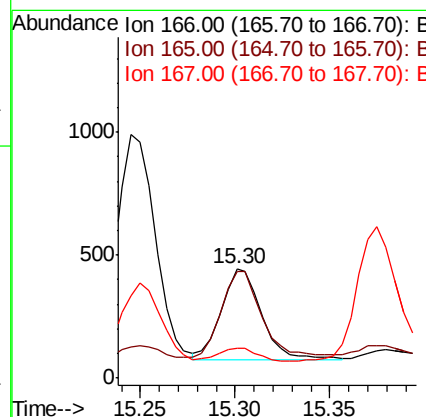
RT: 15.30 min Scan# 3279

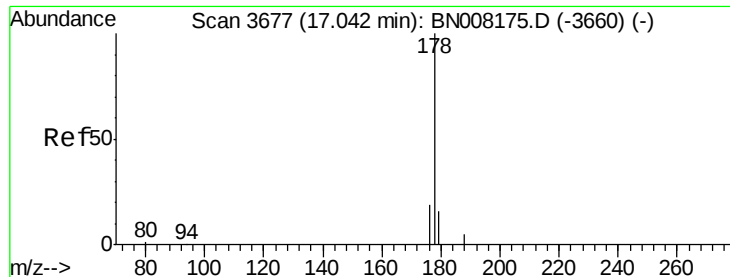
Delta R.T. -0.01 min

Lab File: BN008180.D

Acq: 15 Oct 2019 19:14

Tgt Ion:	166	Resp:	558
Ion Ratio	Lower	Upper	
166	100		
165	97.3	76.6	115.0
167	27.5	11.7	17.5#





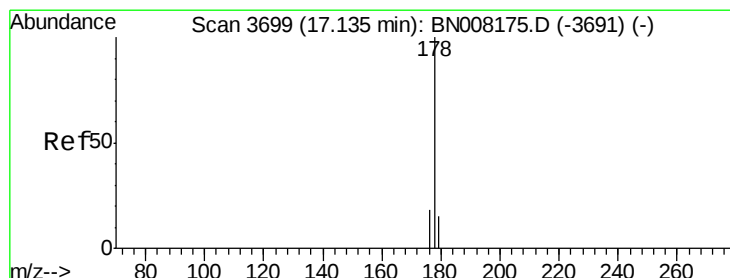
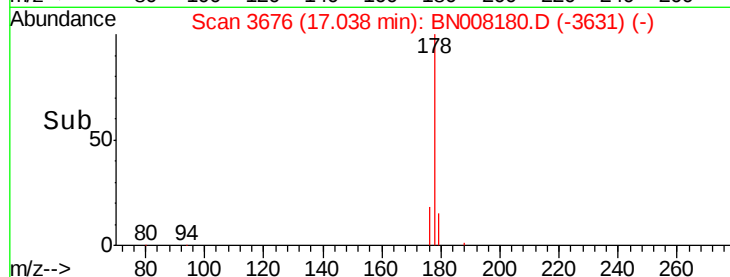
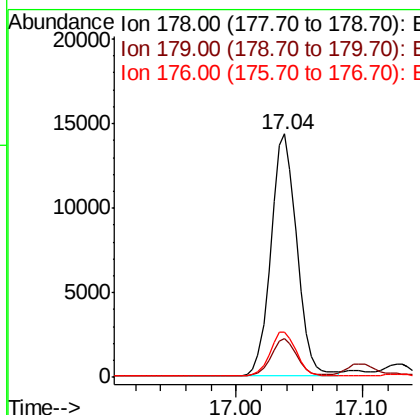
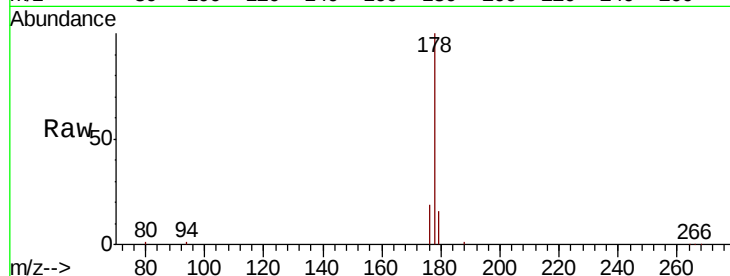
#12
Phenanthrene
Concen: 0.513 ng/ul
RT: 17.04 min Scan# 3676
Delta R.T. -0.01 min
Lab File: BN008180.D
Acq: 15 Oct 2019 19:14

Instrument :
BNA_N
ClientSampleId :
BEP88

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.8	19.2
176	18.7	15.4	23.2

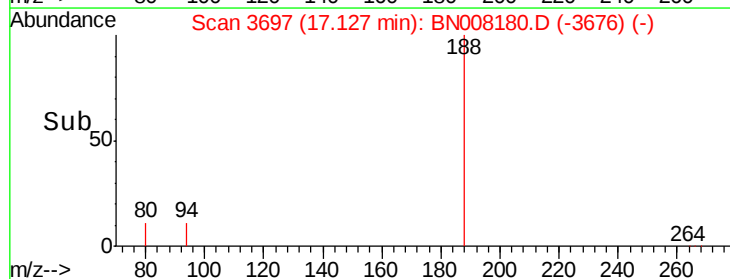
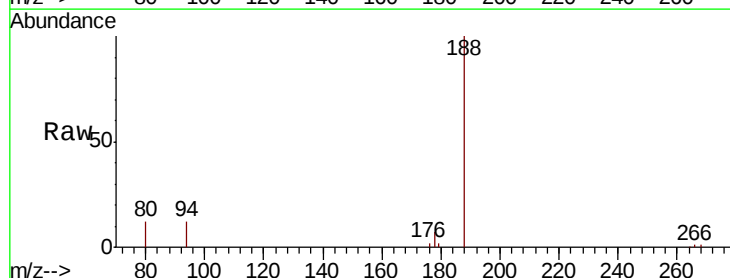
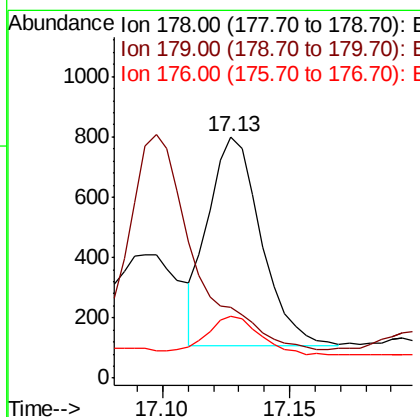
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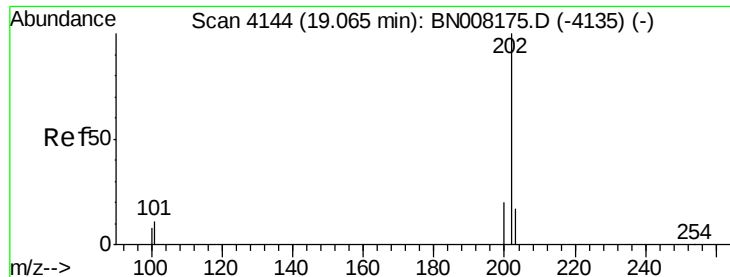
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#13
Anthracene
Concen: 0.029 ng/ul m
RT: 17.13 min Scan# 3697
Delta R.T. -0.01 min
Lab File: BN008180.D
Acq: 15 Oct 2019 19:14

Tgt Ion	Ratio	Lower	Upper
178	100		
179	29.6	13.0	19.6#
176	25.6	15.0	22.6#





#15

Fluoranthene

Concen: 0.566 ng/ul m

RT: 19.06 min Scan# 4143

Delta R.T. -0.01 min

Lab File: BN008180.D

Acq: 15 Oct 2019 19:14

Instrument :

BNA_N

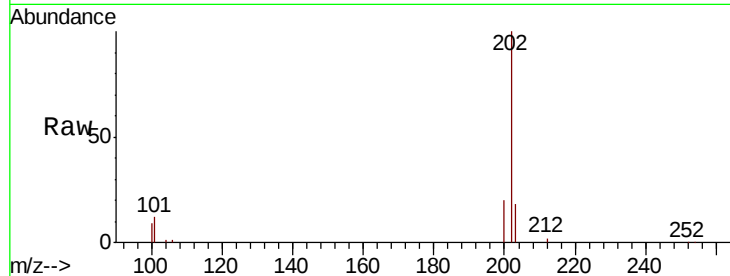
ClientSampled :

BEP88

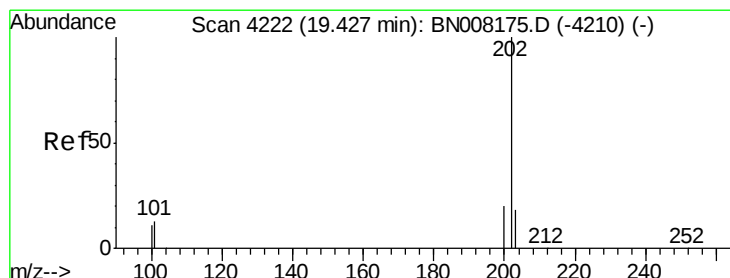
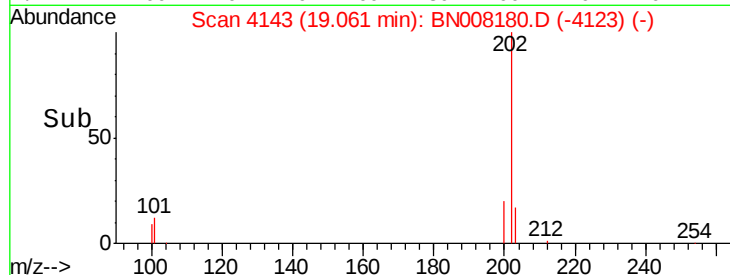
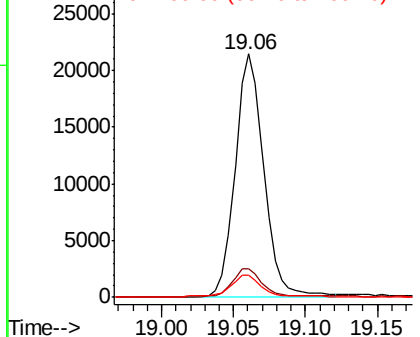
Tot Ion:	202	Resp:	29704
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	31.2
100	9.2	0.0	28.5

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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: 0.418 ng/ul m

RT: 19.42 min Scan# 4221

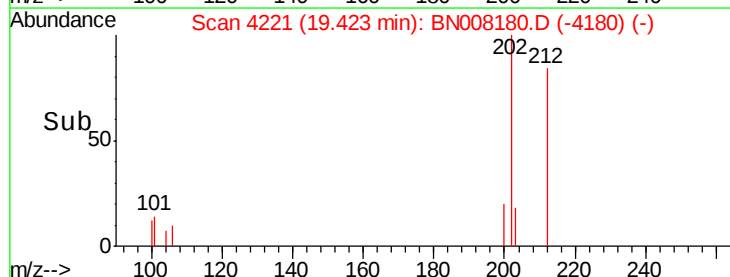
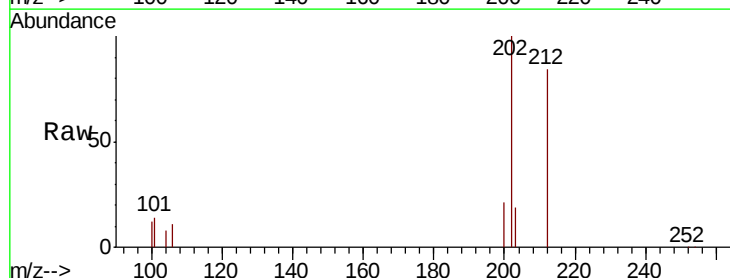
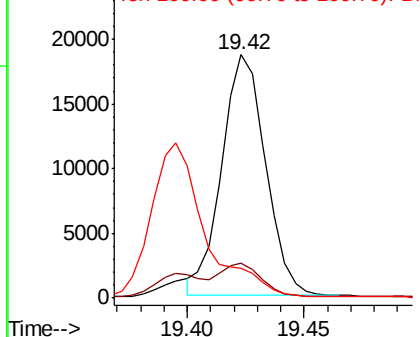
Delta R.T. -0.01 min

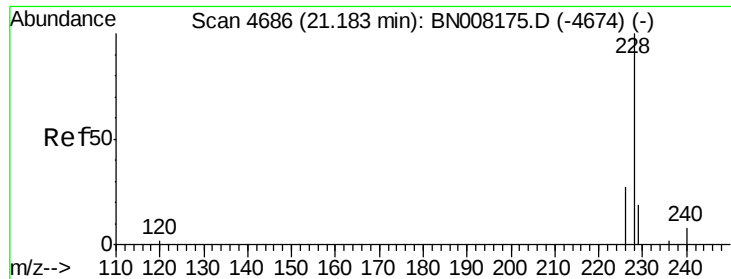
Lab File: BN008180.D

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Tgt Ion:	202	Resp:	24310
Ion Ratio	Lower	Upper	
202	100		
101	14.4	10.9	16.3
100	12.5	8.7	13.1

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





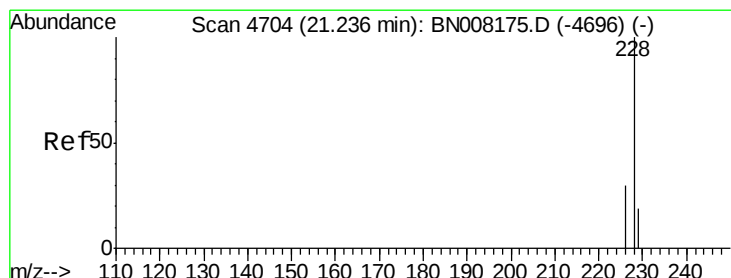
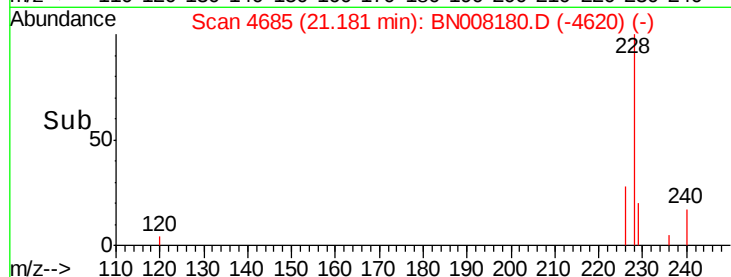
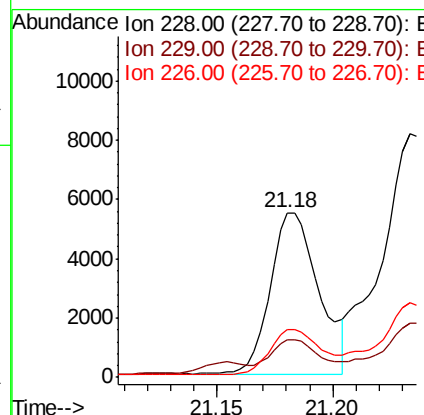
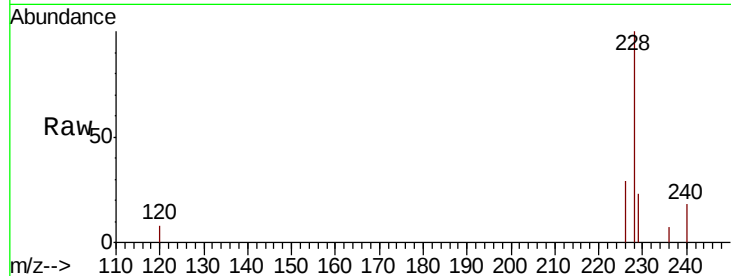
#18
Benzo(a)anthracene
Concen: 0.149 ng/ul
RT: 21.18 min Scan# 4685
Delta R.T. -0.01 min
Lab File: BN008180.D
Acq: 15 Oct 2019 19:14

Instrument :
BNA_N
ClientSampleId :
BEP88

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.6	16.2	24.2
226	29.2	21.4	32.0

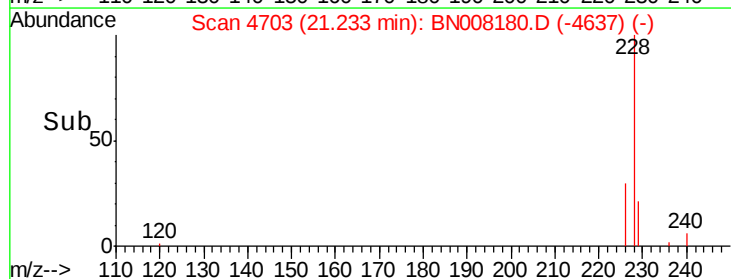
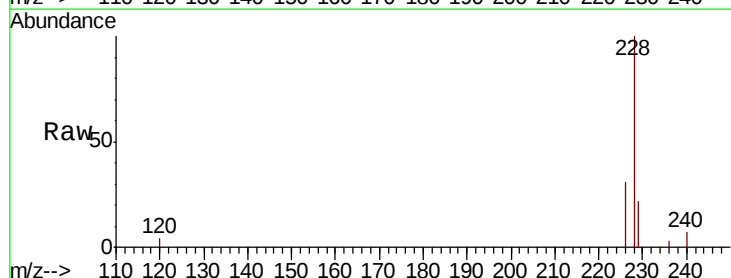
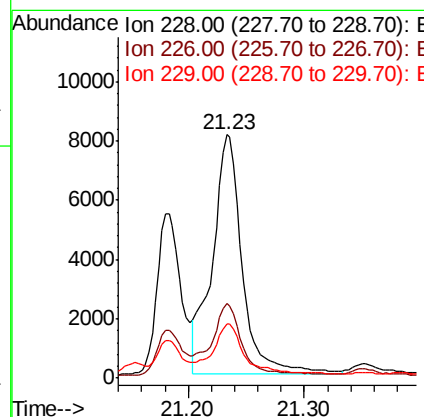
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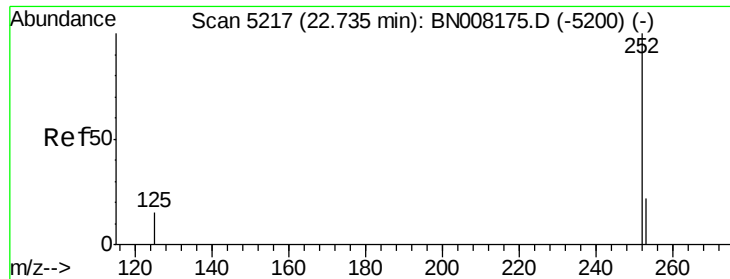
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#19
Chrysene
Concen: 0.223 ng/ul
RT: 21.23 min Scan# 4703
Delta R.T. -0.01 min
Lab File: BN008180.D
Acq: 15 Oct 2019 19:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.1	36.1
229	22.1	16.2	24.2





#21

Benzo(b)fluoranthene

Concen: 0.352 ng/ul m

RT: 22.73 min Scan# 5216

Delta R.T. -0.01 min

Lab File: BN008180.D

Acq: 15 Oct 2019 19:14

Instrument :

BNA_N

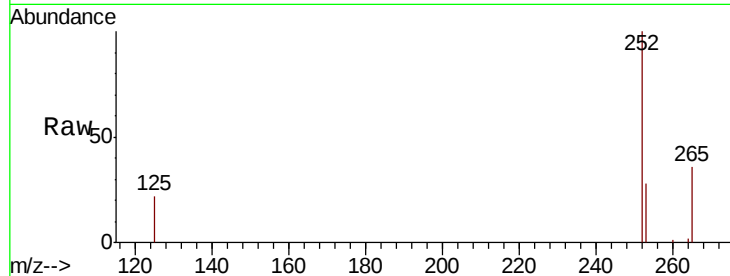
ClientSampleId :

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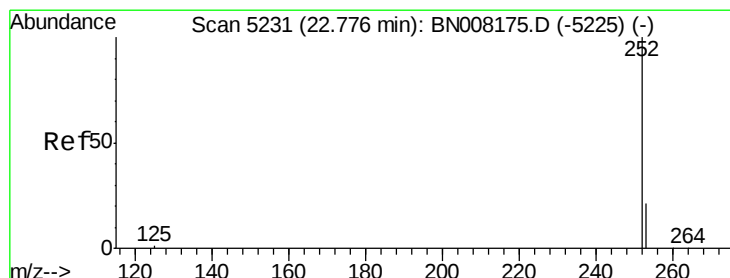
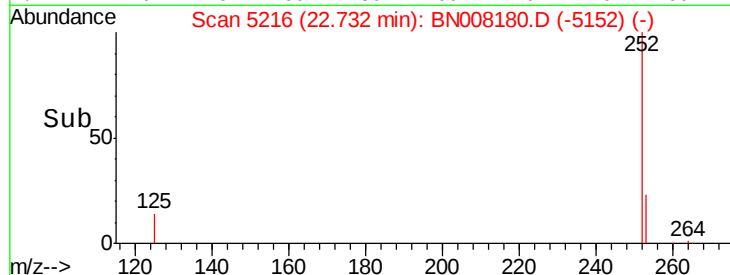
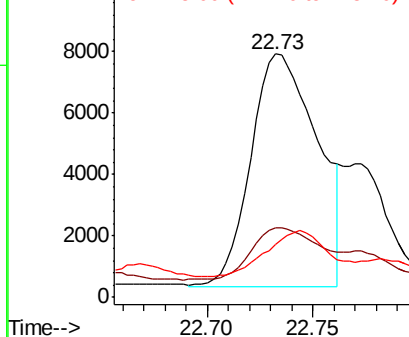
Tot Ion:	252	Resp:	16689
Ion Ratio	Lower	Upper	
252	100		
253	28.4	0.0	53.4
125	21.8	0.0	32.4

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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: 0.104 ng/ul m

RT: 22.77 min Scan# 5229

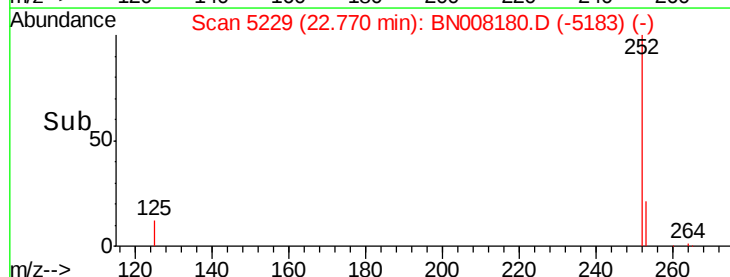
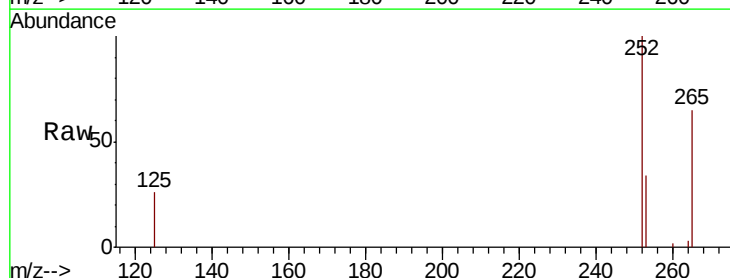
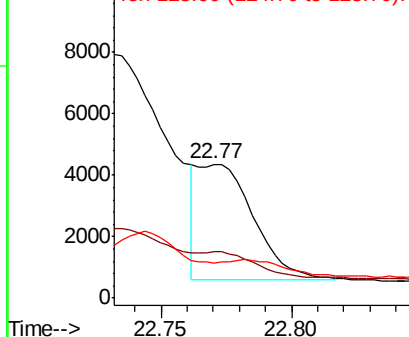
Delta R.T. -0.01 min

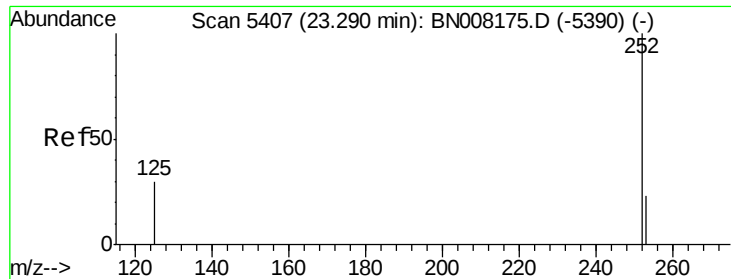
Lab File: BN008180.D

Acq: 15 Oct 2019 19:14

Tgt Ion:	252	Resp:	5575
Ion Ratio	Lower	Upper	
252	100		
253	34.3	21.3	31.9#
125	26.4	12.3	18.5#

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





#23

Benzo(a)pyrene

Concen: 0.194 ng/u1

RT: 23.29 min Scan# 5406

Delta R.T. -0.01 min

Lab File: BN008180.D

Acq: 15 Oct 2019 19:14

Instrument :

BNA_N

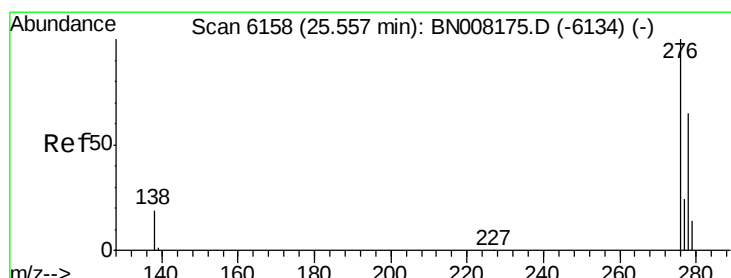
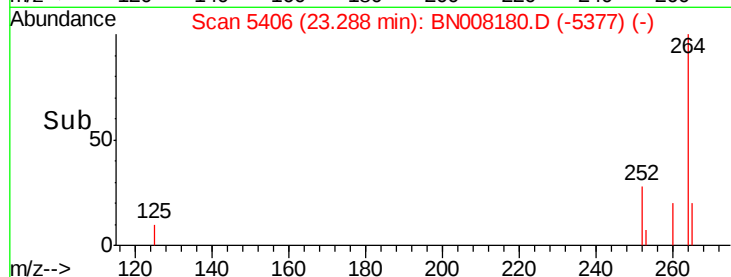
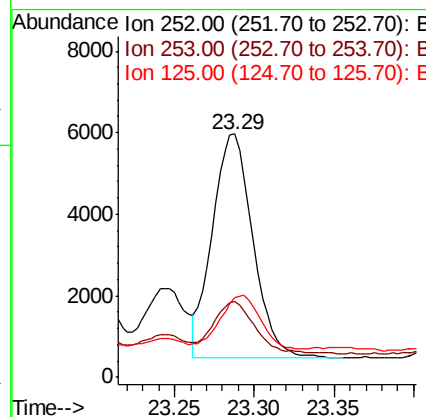
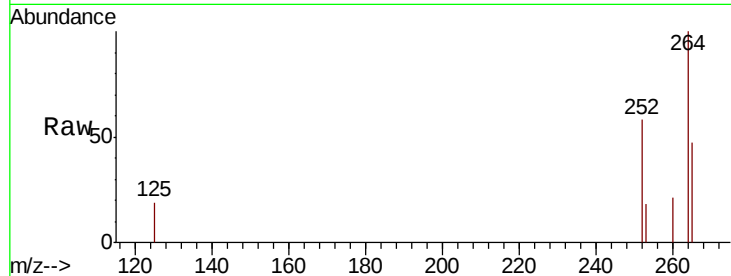
ClientSampleId :

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Tot Ion:	252	Resp:	9683
Ion Ratio	Lower	Upper	
252	100		
253	31.2	22.8	34.2
125	32.5	18.4	27.6#

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.109 ng/u1

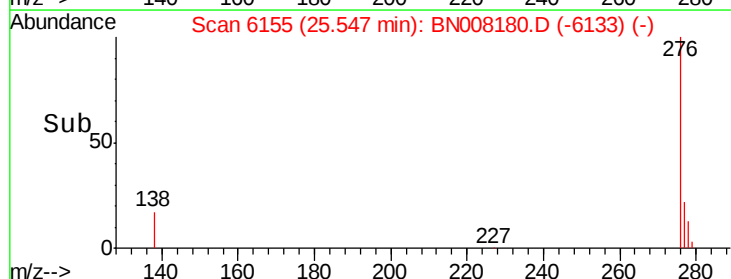
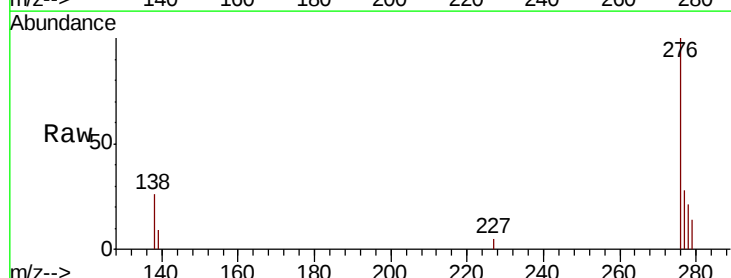
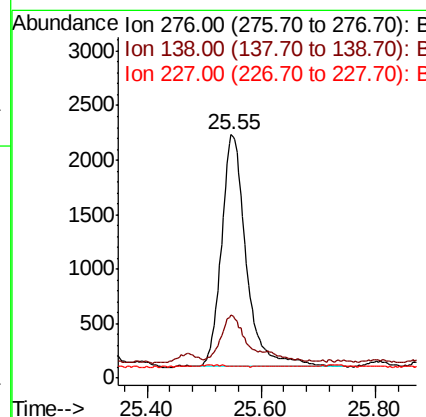
RT: 25.55 min Scan# 6155

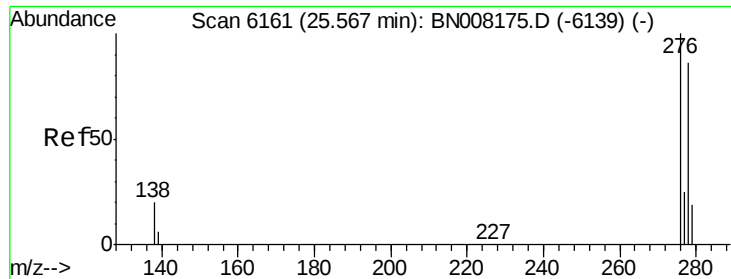
Delta R.T. -0.03 min

Lab File: BN008180.D

Acq: 15 Oct 2019 19:14

Tgt Ion:	276	Resp:	6431
Ion Ratio	Lower	Upper	
276	100		
138	21.7	16.1	24.1
227	0.0	0.2	0.2#





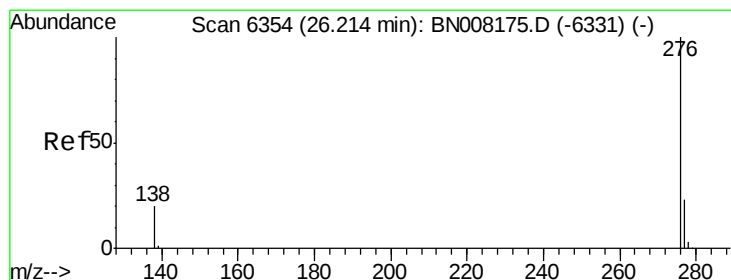
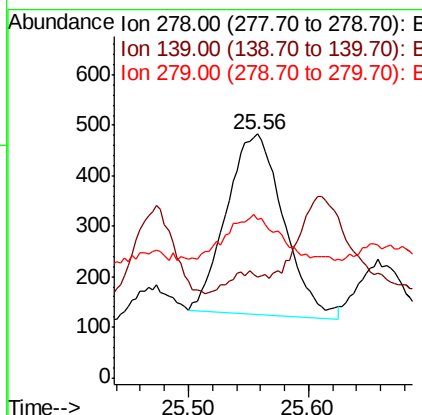
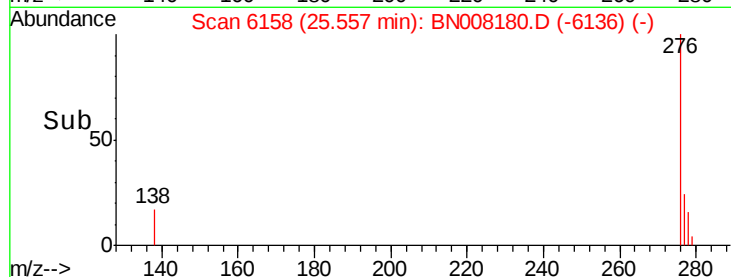
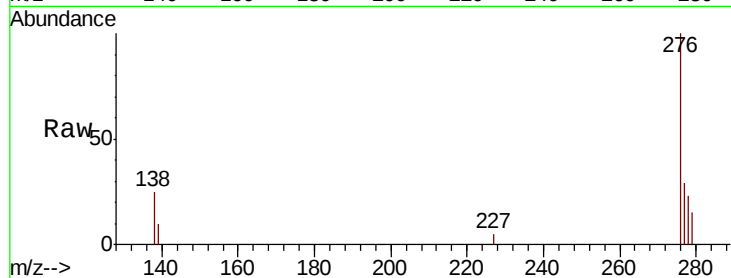
#25
Dibenzo(a,h)anthracene
Concen: 0.025 ng/u1
RT: 25.56 min Scan# 6158
Delta R.T. -0.03 min
Lab File: BN008180.D
Acq: 15 Oct 2019 19:14

Instrument :
BNA_N
ClientSampled :
BEP88

Tot Ion	Ratio	Lower	Upper
278	100		
139	41.4	15.0	22.6#
279	64.8	22.4	33.6#

Manual Integrations
APPROVED

mohammad
10/16/2019 4:08:16 PM



#26
Benzo(g,h,i)perylene
Concen: 0.093 ng/u1
RT: 26.21 min Scan# 6352
Delta R.T. -0.02 min
Lab File: BN008180.D
Acq: 15 Oct 2019 19:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	17.0	25.4#
277	29.4	20.4	30.6

