

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062219\
 Data File : BN006497.D
 Acq On : 22 Jun 2019 19:50
 Operator : HP/JU
 Sample : K3335-07DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4234DL

Manual Integrations
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mohammad
 6/25/2019 8:44:35 AM

Quant Time: Jun 24 10:38:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4946	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.41	136	19190	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	9862	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	166084m	0.40	ng/ul	0.01
16) Chrysene-d12	21.25	240	13896m	0.40	ng/ul	-0.02
20) Perylene-d12	23.48	264	11952	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	3620	0.12	ng/ul	-0.01
14) Fluoranthene-d10	19.08	212	8665m	0.02	ng/ul	-0.01
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	1874	0.035	ng/ul#	86
7) Acenaphthylene	14.00	152	3898	0.071	ng/ul	96
8) Acenaphthene	14.34	153	1594	0.042	ng/ul	98
9) Fluorene	15.34	166	2218	0.050	ng/ul#	95
12) Phenanthrene	17.08	178	44035m	0.083	ng/ul	
13) Anthracene	17.17	178	10686m	0.021	ng/ul	
15) Fluoranthene	19.11	202	87181m	0.148	ng/ul	
17) Pyrene	19.48	202	79402	1.085	ng/ul	97
18) Benzo(a)anthracene	21.23	228	32173m	0.523	ng/ul	
19) Chrysene	21.29	228	31523	0.546	ng/ul	99
21) Benzo(b)fluoranthene	22.82	252	35977m	0.722	ng/ul	
22) Benzo(k)fluoranthene	22.85	252	16129m	0.332	ng/ul	
23) Benzo(a)pyrene	23.38	252	23378	0.504	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.71	276	16084	0.320	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.72	278	3932	0.098	ng/ul#	78
26) Benzo(g,h,i)perylene	26.40	276	12648	0.301	ng/ul	98

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

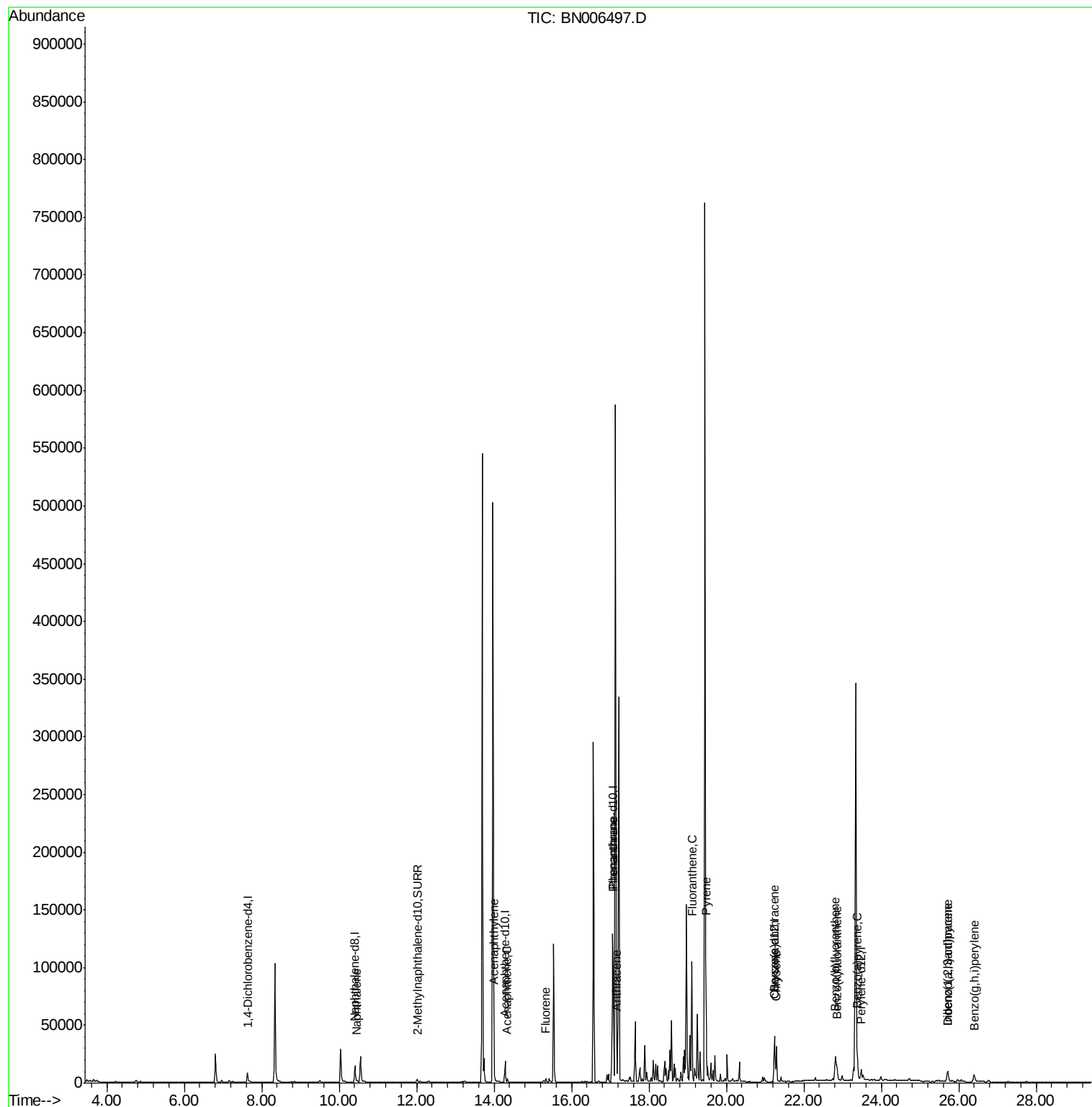
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062219\
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ALS Vial : 14 Sample Multiplier: 1

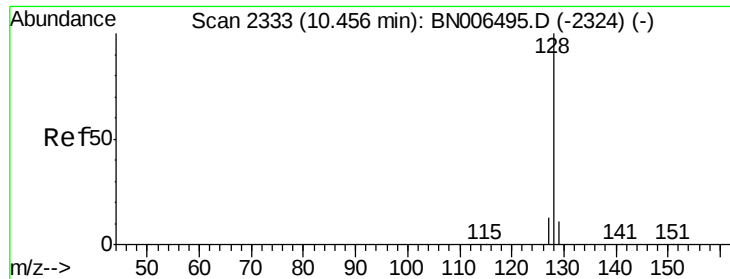
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
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QLast Update : Mon Jun 17 11:13:07 2019
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#3

Naphthalene

Concen: 0.035 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. -0.02 min

Lab File: BN006497.D

Acq: 22 Jun 2019 19:50

Instrument :

BNA_N

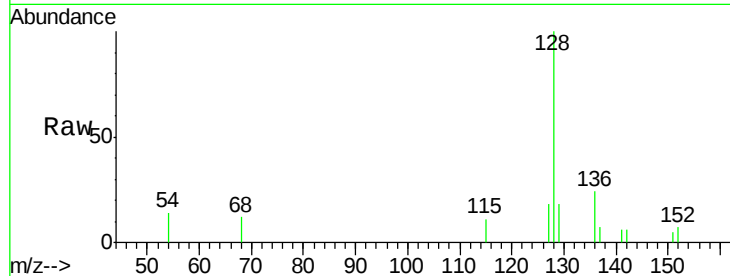
ClientSampleId :

A4234DL

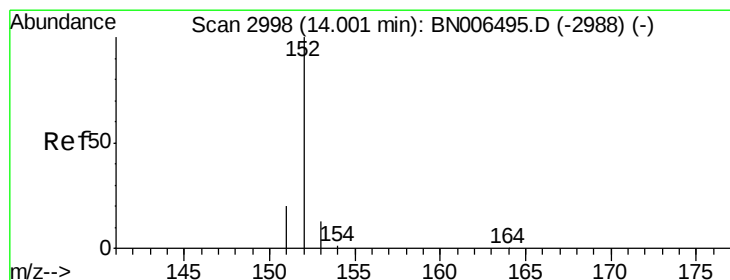
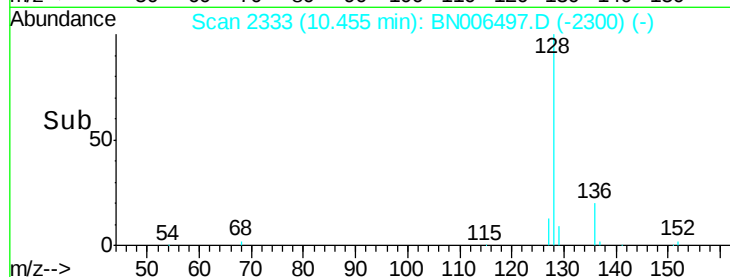
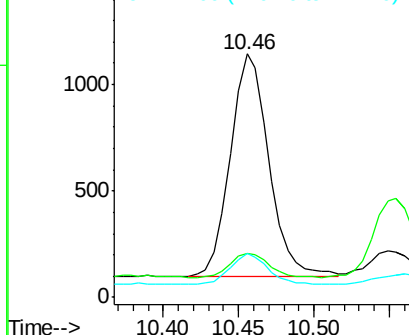
Tgt Ion:	128	Resp:	1874
Ion Ratio	Lower	Upper	
128	100		
129	18.1	9.3	13.9#
127	17.9	10.7	16.1#

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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



#7

Acenaphthylene

Concen: 0.071 ng/ul

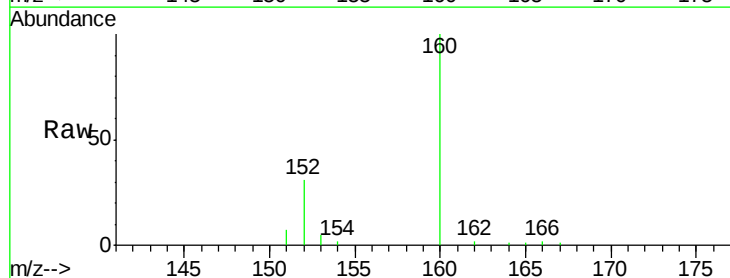
RT: 14.00 min Scan# 2998

Delta R.T. -0.01 min

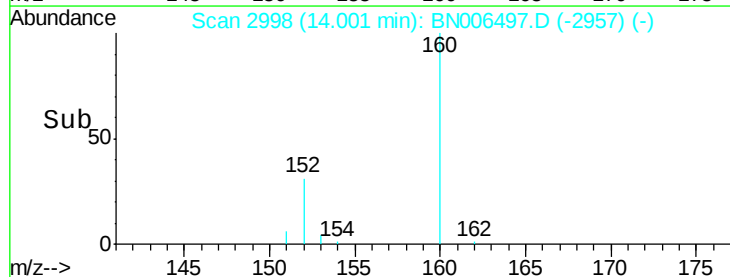
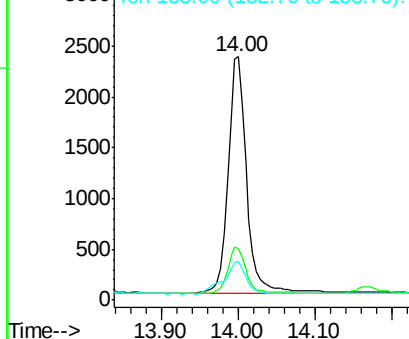
Lab File: BN006497.D

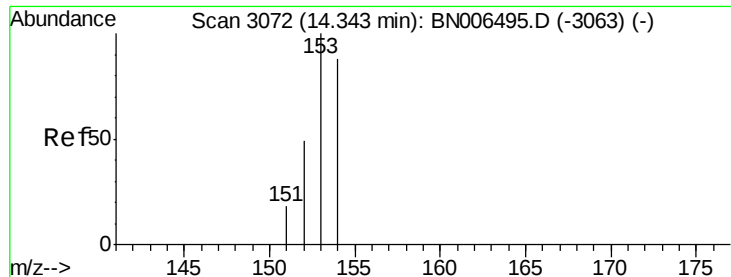
Acq: 22 Jun 2019 19:50

Tgt Ion:	152	Resp:	3898
Ion Ratio	Lower	Upper	
152	100		
151	21.4	15.8	23.8
153	15.8	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.042 ng/ul

RT: 14.34 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BN006497.D

Acq: 22 Jun 2019 19:50

Instrument :

BNA_N

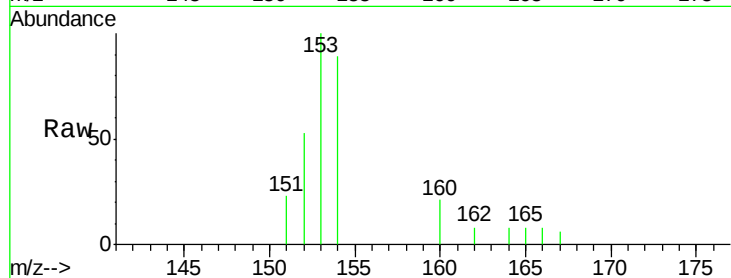
ClientSampleId :

A4234DL

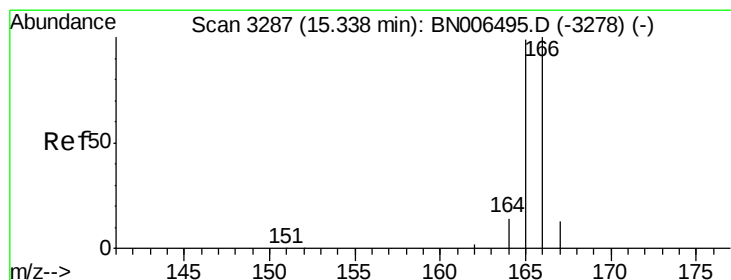
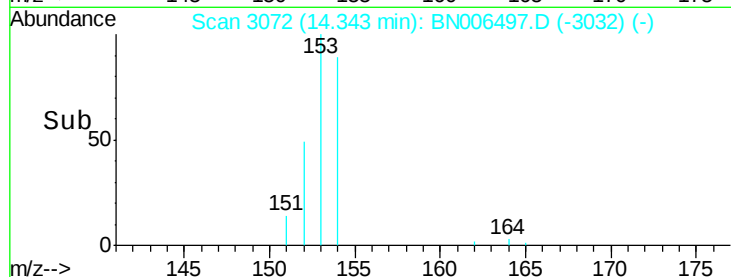
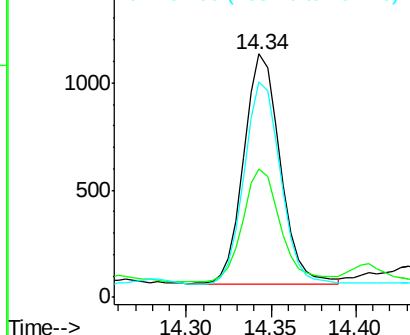
Tgt Ion:	153	Resp:	1594
Ion Ratio	Lower	Upper	
153	100		
152	53.0	39.1	58.7
154	88.7	71.1	106.7

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#9

Fluorene

Concen: 0.050 ng/ul

RT: 15.34 min Scan# 3287

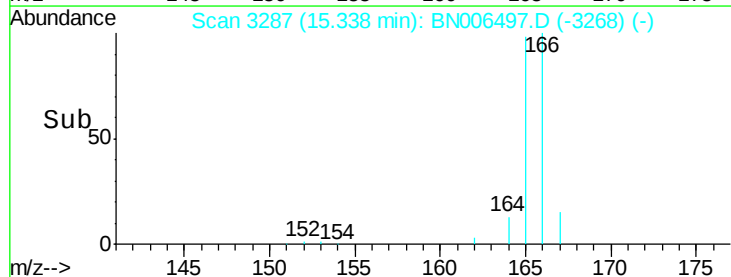
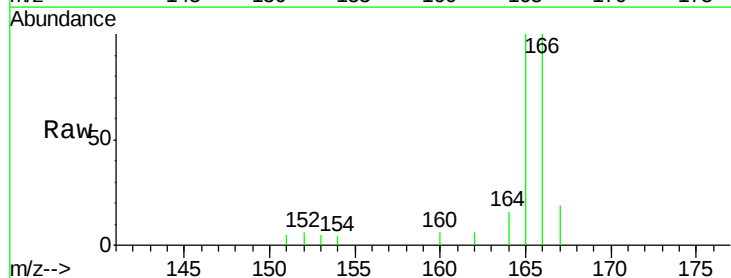
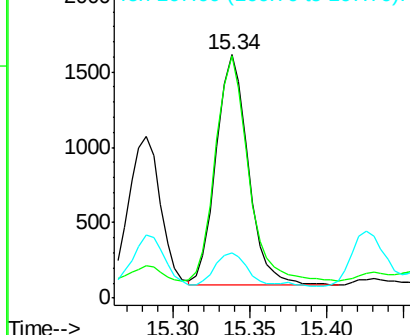
Delta R.T. -0.01 min

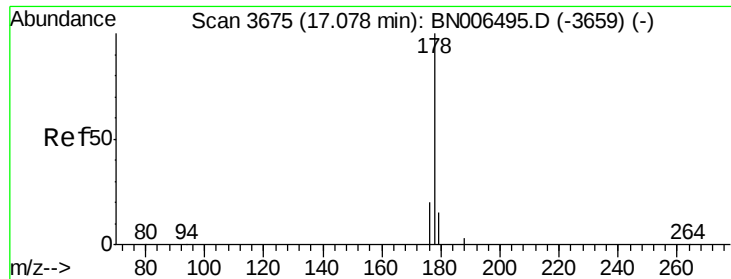
Lab File: BN006497.D

Acq: 22 Jun 2019 19:50

Tgt Ion:	166	Resp:	2218
Ion Ratio	Lower	Upper	
166	100		
165	99.6	76.4	114.6
167	18.8	11.0	16.6#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.083 ng/ul m

RT: 17.08 min Scan# 3675

Delta R.T. -0.01 min

Lab File: BN006497.D

Acq: 22 Jun 2019 19:50

Instrument :

BNA_N

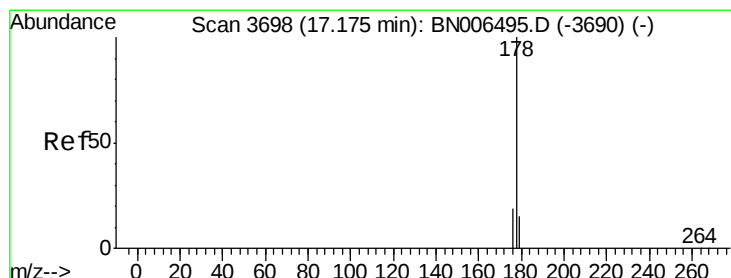
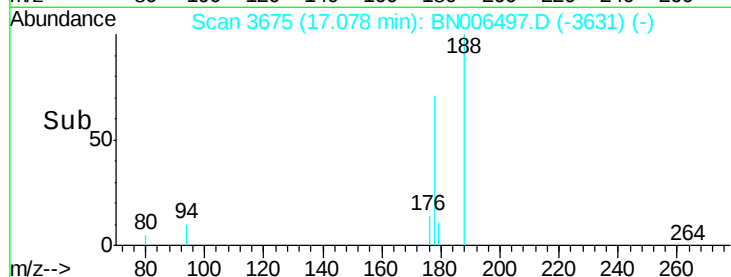
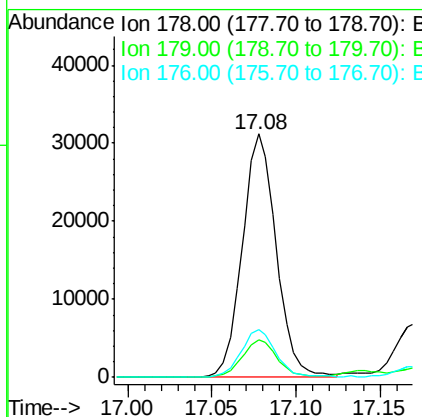
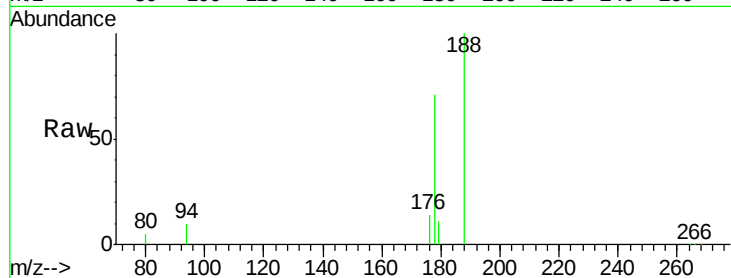
ClientSampleId :

A4234DL

Tgt Ion:	178	Resp:	44035
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	19.6	15.3	22.9

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#13

Anthracene

Concen: 0.021 ng/ul m

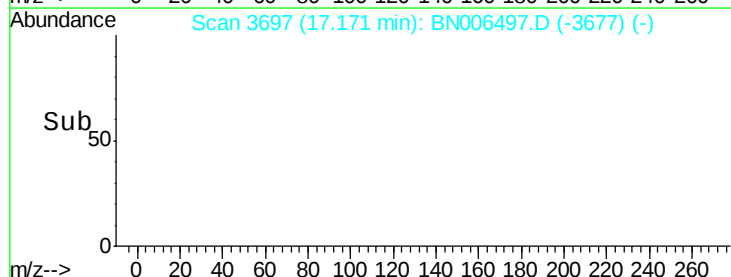
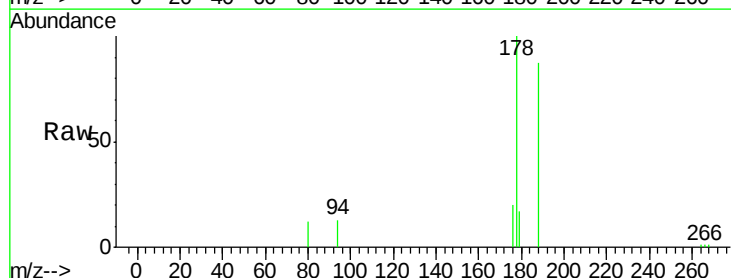
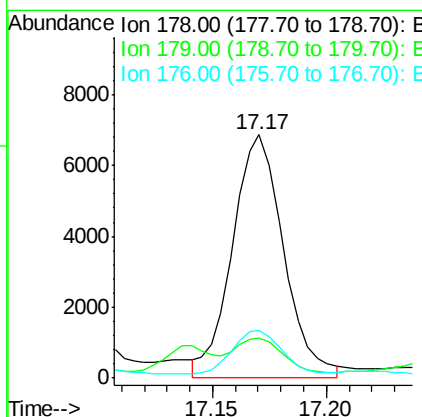
RT: 17.17 min Scan# 3697

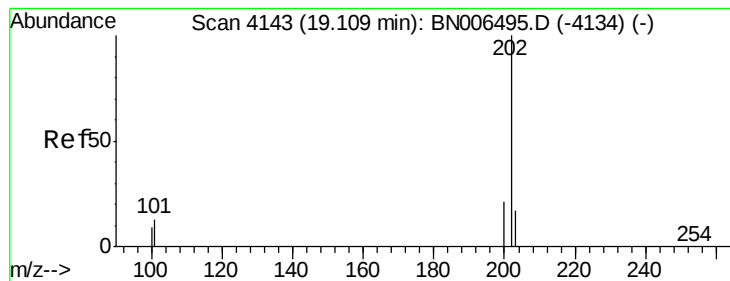
Delta R.T. -0.02 min

Lab File: BN006497.D

Acq: 22 Jun 2019 19:50

Tgt Ion:	178	Resp:	10686
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.2	18.4
176	19.7	15.1	22.7





#15

Fluoranthene

Concen: 0.148 ng/ul m

RT: 19.11 min Scan# 4143

Delta R.T. -0.01 min

Lab File: BN006497.D

Acq: 22 Jun 2019 19:50

Instrument :

BNA_N

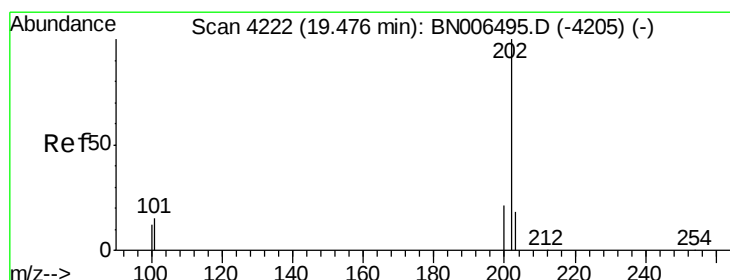
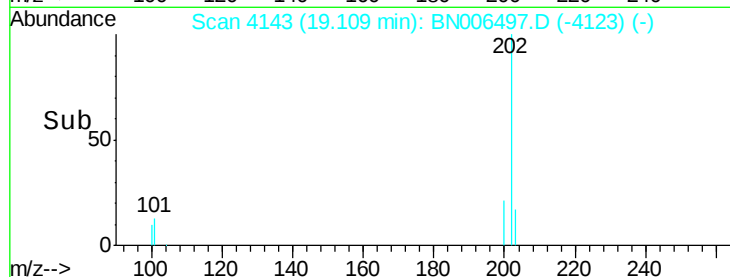
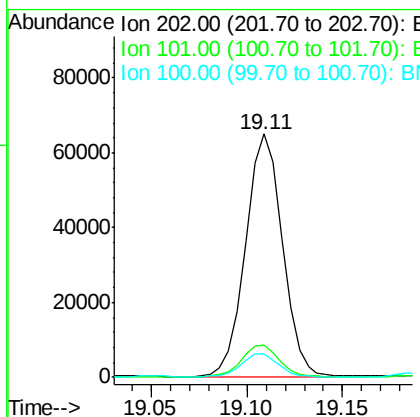
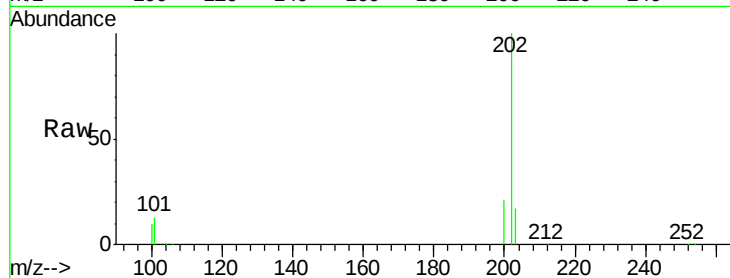
ClientSampleId :

A4234DL

Tgt Ion:	202	Resp:	87181
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	32.1
100	9.7	0.0	28.7

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#17

Pyrene

Concen: 1.085 ng/ul

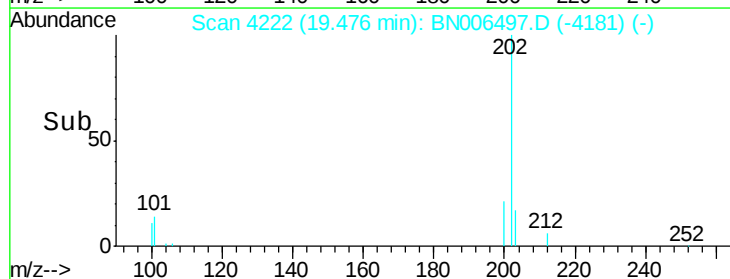
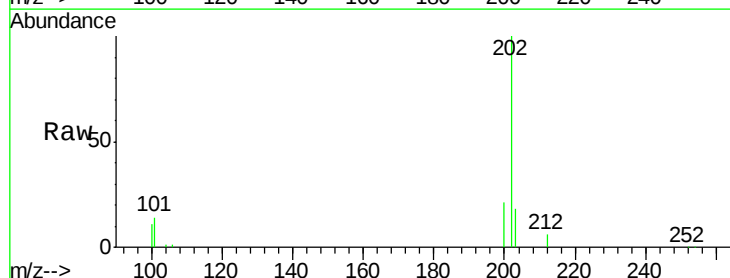
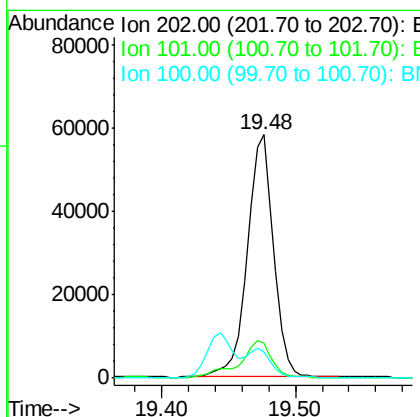
RT: 19.48 min Scan# 4222

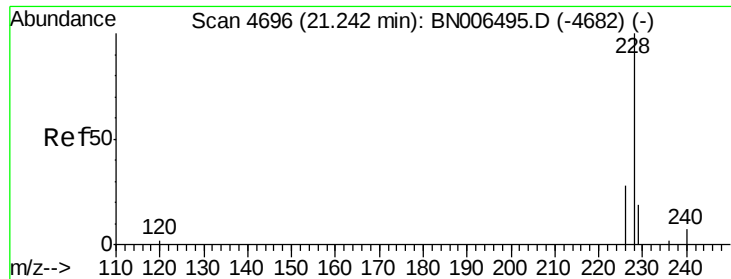
Delta R.T. -0.01 min

Lab File: BN006497.D

Acq: 22 Jun 2019 19:50

Tgt Ion:	202	Resp:	79402
Ion Ratio	Lower	Upper	
202	100		
101	14.1	12.2	18.2
100	10.8	9.8	14.6





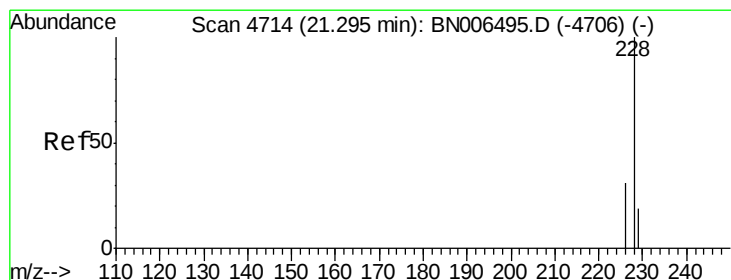
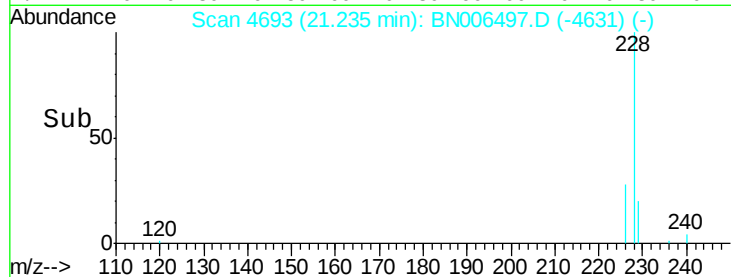
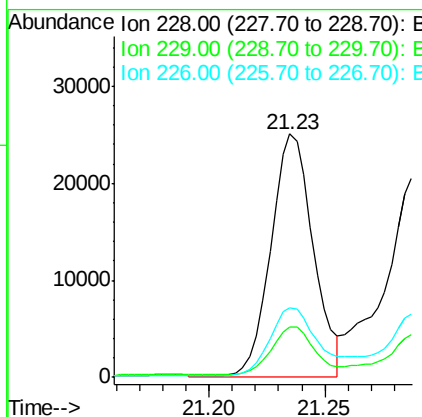
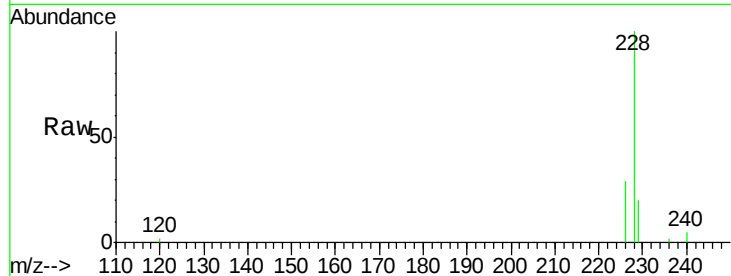
#18
Benzo(a)anthracene
Concen: 0.523 ng/ul m
RT: 21.23 min Scan# 4693
Delta R.T. -0.02 min
Lab File: BN006497.D
Acq: 22 Jun 2019 19:50

Instrument :
BNA_N
ClientSampleId :
A4234DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.5	24.7
226	28.7	22.8	34.2

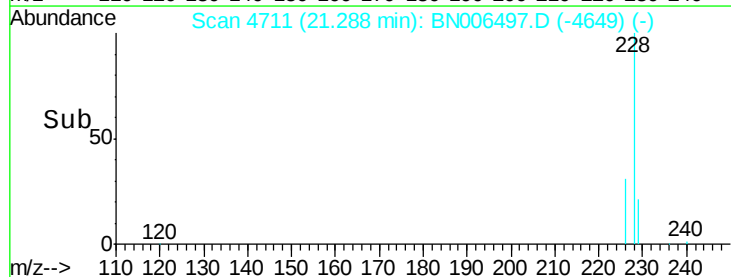
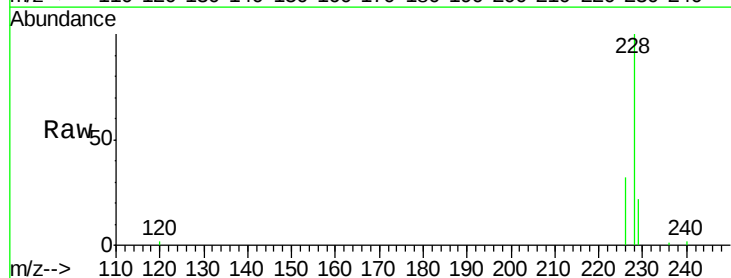
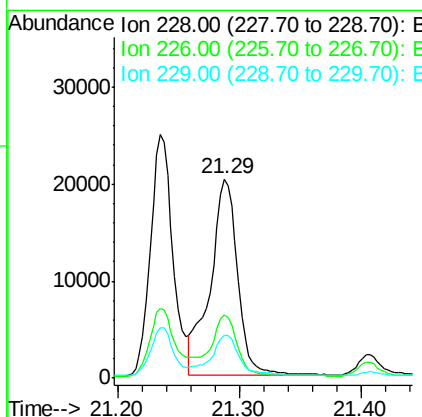
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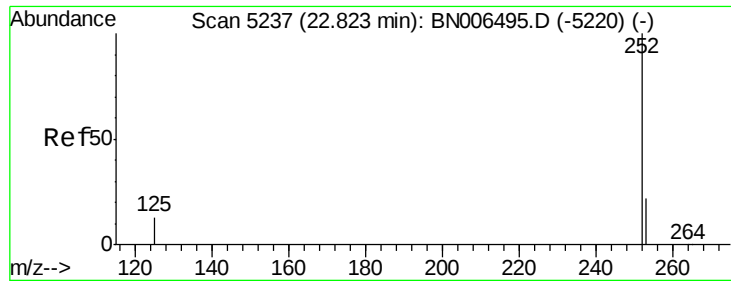
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#19
Chrysene
Concen: 0.546 ng/ul
RT: 21.29 min Scan# 4711
Delta R.T. -0.02 min
Lab File: BN006497.D
Acq: 22 Jun 2019 19:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	21.5	16.3	24.5





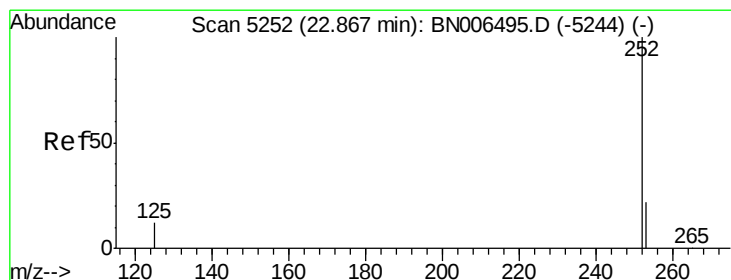
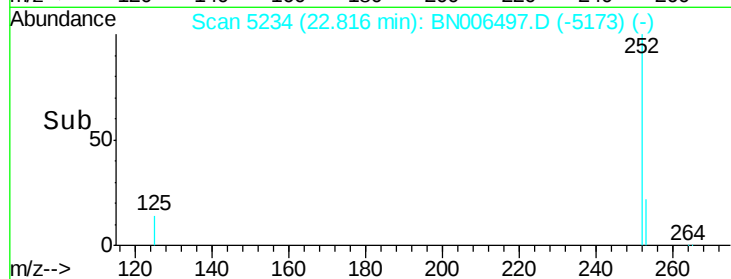
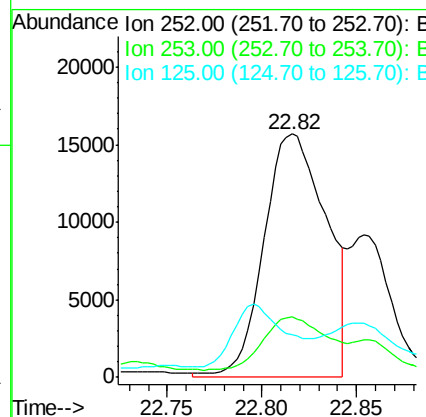
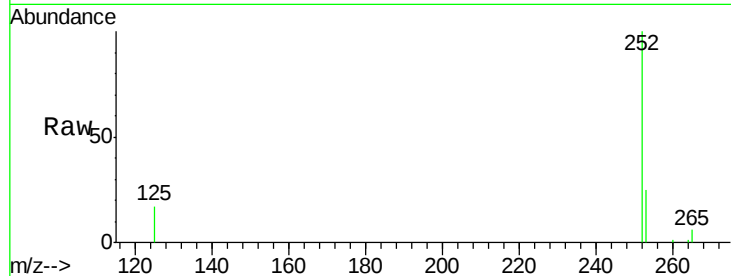
#21
Benzo(b)fluoranthene
Concen: 0.722 ng/ul m
RT: 22.82 min Scan# 5234
Delta R.T. -0.02 min
Lab File: BN006497.D
Acq: 22 Jun 2019 19:50

Instrument :
BNA_N
ClientSampleId :
A4234DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.7	0.0	51.4
125	17.4	0.0	41.0

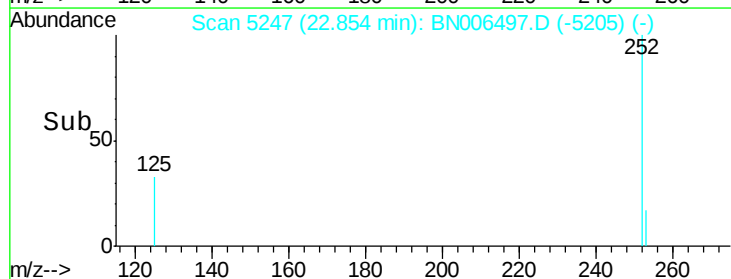
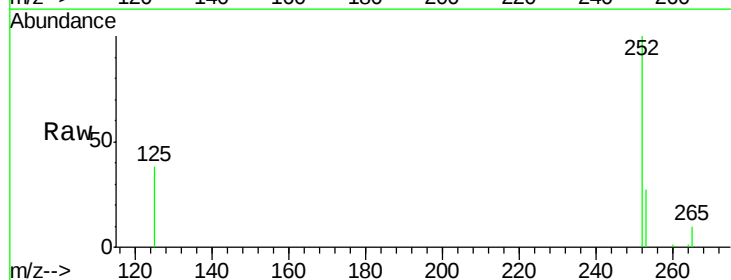
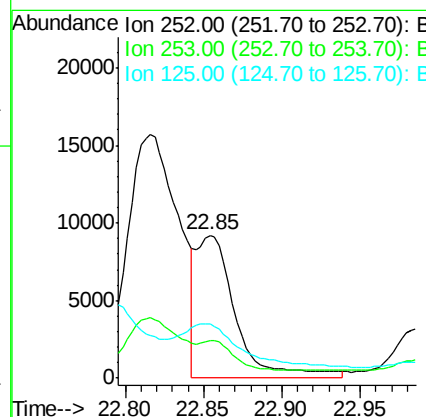
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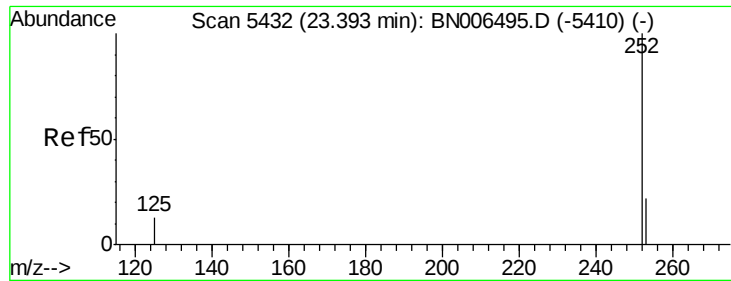
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#22
Benzo(k)fluoranthene
Concen: 0.332 ng/ul m
RT: 22.85 min Scan# 5247
Delta R.T. -0.03 min
Lab File: BN006497.D
Acq: 22 Jun 2019 19:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	26.5	20.3	30.5
125	38.1	14.3	21.5#





#23

Benzo(a)pyrene

Concen: 0.504 ng/u1

RT: 23.38 min Scan# 5427

Delta R.T. -0.03 min

Lab File: BN006497.D

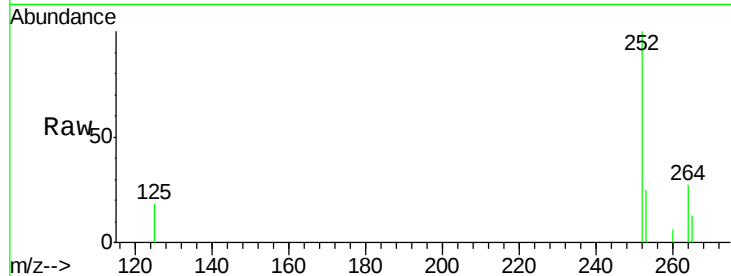
Acq: 22 Jun 2019 19:50

Instrument :

BNA_N

ClientSampleId :

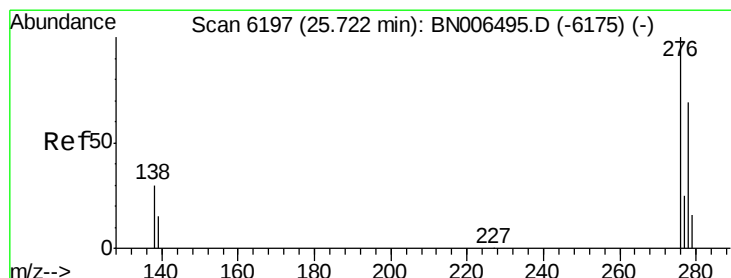
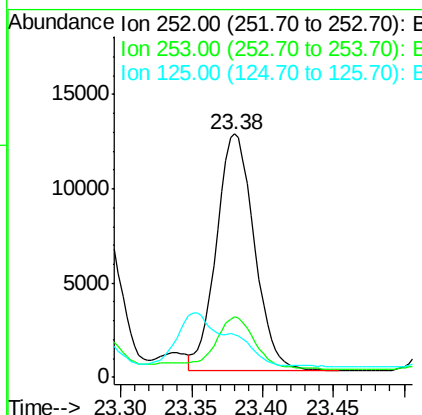
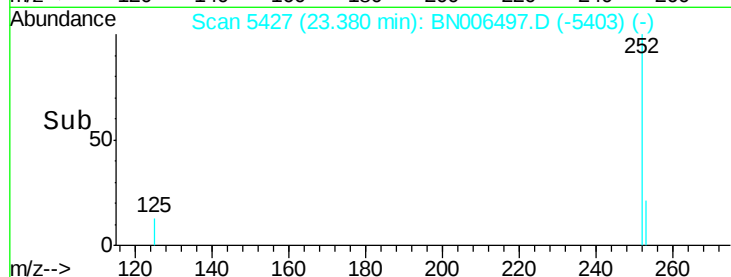
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Tgt Ion:	252	Resp:	23378
Ion Ratio	Lower	Upper	
252	100		
253	24.8	21.1	31.7
125	17.6	20.3	30.5#

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.320 ng/u1

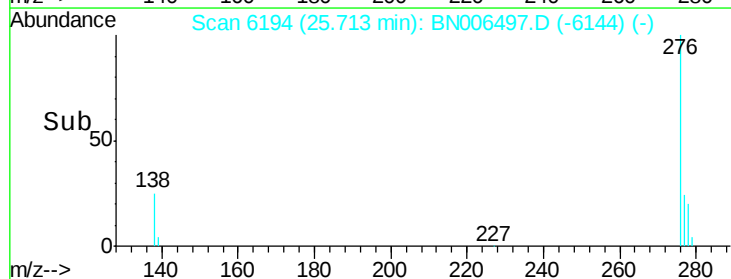
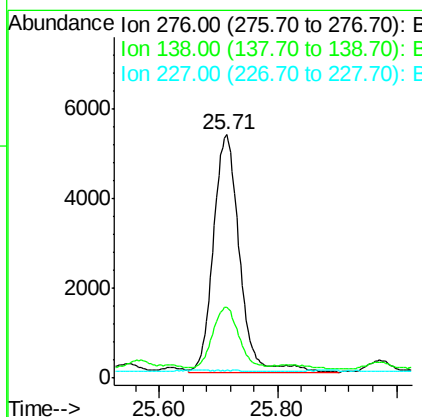
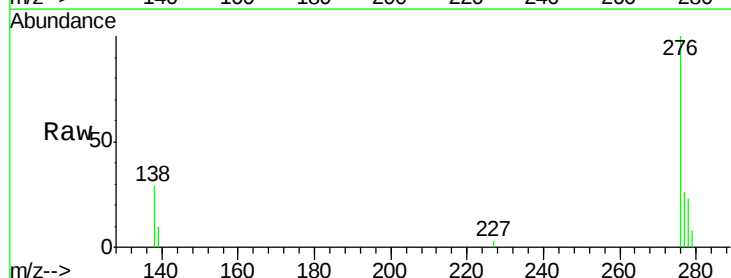
RT: 25.71 min Scan# 6194

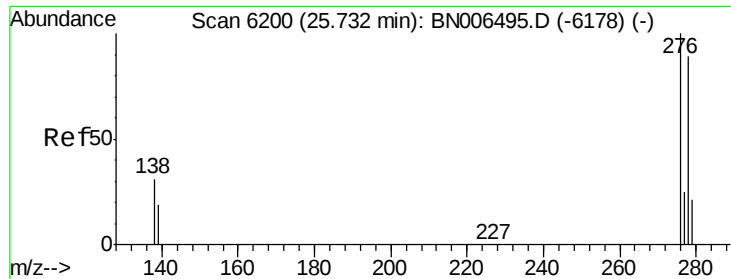
Delta R.T. -0.03 min

Lab File: BN006497.D

Acq: 22 Jun 2019 19:50

Tgt Ion:	276	Resp:	16084
Ion Ratio	Lower	Upper	
276	100		
138	25.9	25.6	38.4
227	0.1	0.3	0.5#





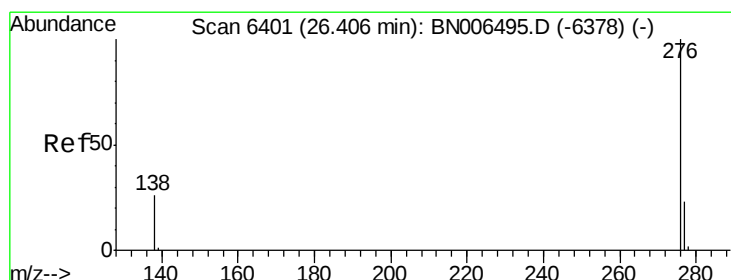
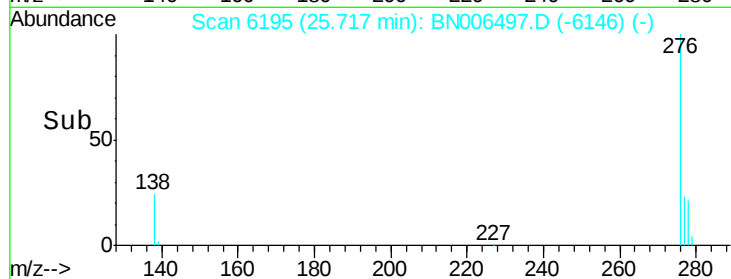
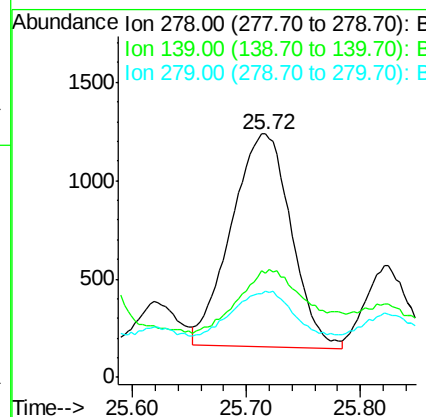
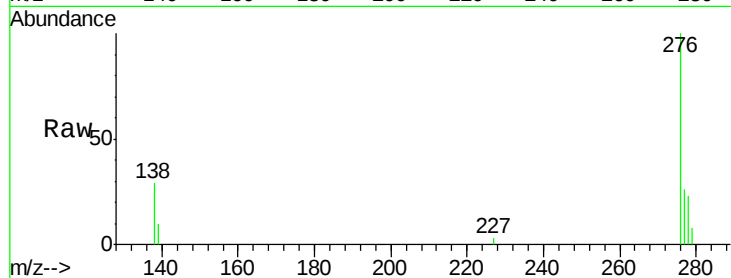
#25
Dibenzo(a,h)anthracene
Concen: 0.098 ng/ul
RT: 25.72 min Scan# 6195
Delta R.T. -0.04 min
Lab File: BN006497.D
Acq: 22 Jun 2019 19:50

Instrument :
BNA_N
ClientSampleId :
A4234DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.6	21.2	31.8#
279	35.1	22.6	33.8#

Manual Integrations
APPROVED

mohammad
6/25/2019 8:44:35 AM



#26
Benzo(g,h,i)perylene
Concen: 0.301 ng/ul
RT: 26.40 min Scan# 6398
Delta R.T. -0.03 min
Lab File: BN006497.D
Acq: 22 Jun 2019 19:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.9	24.2	36.4
277	25.9	21.5	32.3

