

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN061419\
 Data File : BN006332.D
 Acq On : 14 Jun 2019 12:47
 Operator : JU/SJ
 Sample : K3332-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4228

Manual Integrations
 APPROVED

mohammad
 6/17/2019 8:28:46 AM

Quant Time: Jun 14 17:08:47 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 : Thu Jun 13 11:20:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	3654	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	13746	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	7296	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	14519m	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	11206m	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	10267m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	4688	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	10695m	0.27	ng/ul	0.00
Target Compounds						Qvalue
7) Acenaphthylene	14.01	152	3362	0.083	ng/ul#	94
9) Fluorene	15.35	166	760	0.023	ng/ul#	89
12) Phenanthrene	17.09	178	13053	0.280	ng/ul	99
13) Anthracene	17.18	178	4353m	0.098	ng/ul	
15) Fluoranthene	19.12	202	37509m	0.729	ng/ul	
17) Pyrene	19.49	202	36689	0.622	ng/ul	100
18) Benzo(a)anthracene	21.25	228	18097	0.365	ng/ul	98
19) Chrysene	21.30	228	20552	0.442	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	25686m	0.600	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	10797m	0.259	ng/ul	
23) Benzo(a)pyrene	23.40	252	17368m	0.436	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.74	276	11572m	0.268	ng/ul	
25) Dibenzo(a,h)anthracene	25.75	278	2968m	0.086	ng/ul	
26) Benzo(g,h,i)perylene	26.42	276	9767m	0.270	ng/ul	

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

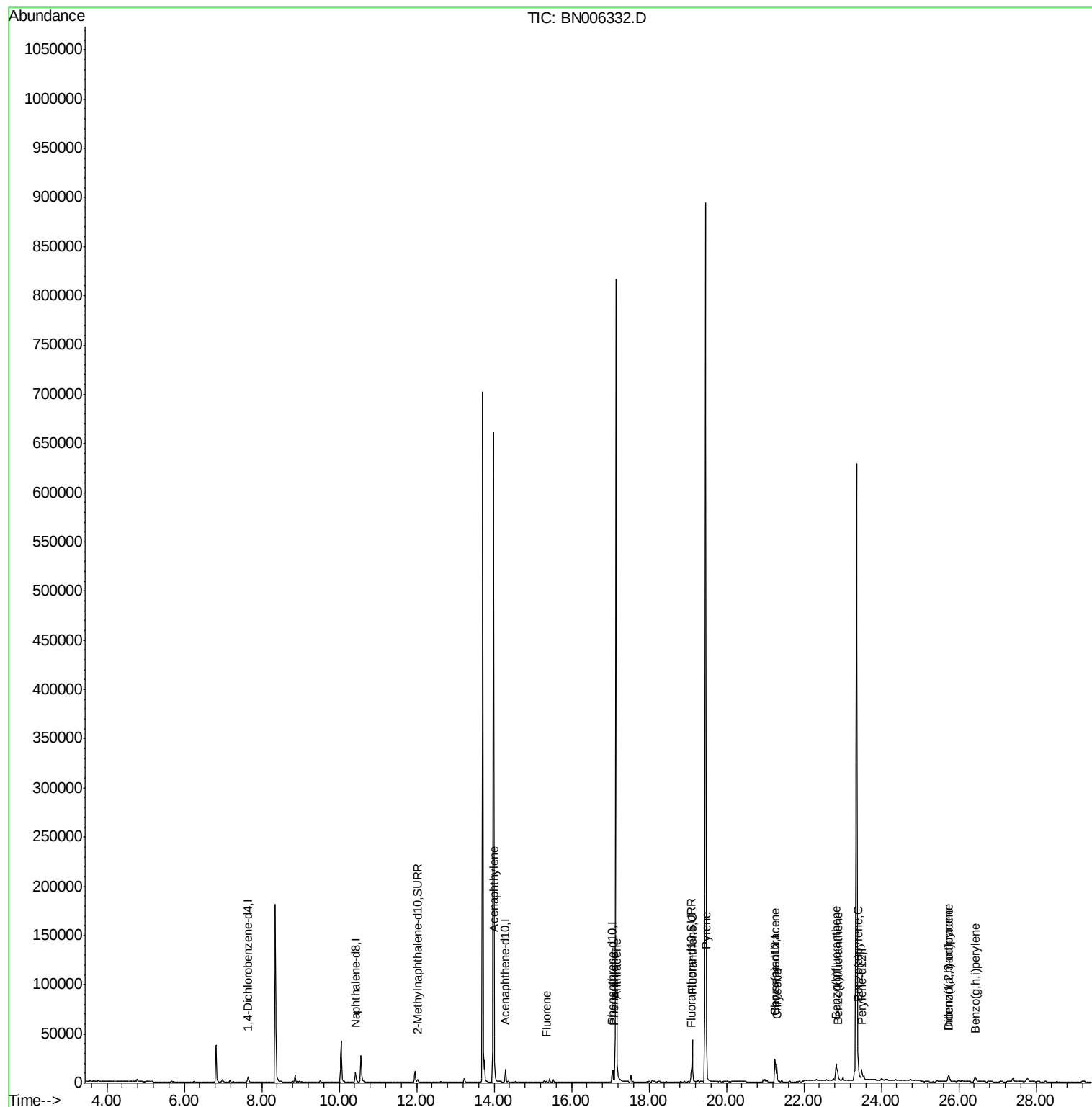
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN061419\
Data File : BN006332.D
Acq On : 14 Jun 2019 12:47
Operator : JU/SJ
Sample : K3332-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

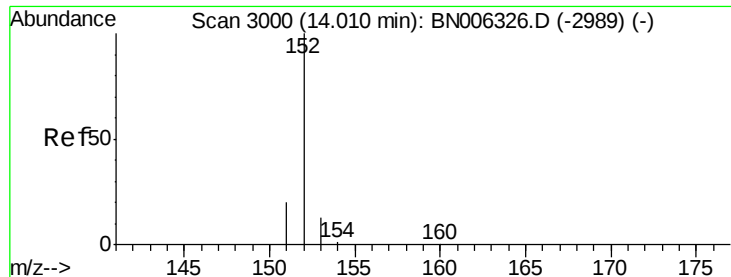
Instrument :
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A4228

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
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QLast Update : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.083 ng/ul

RT: 14.01 min Scan# 3000

Delta R.T. -0.00 min

Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

Instrument :

BNA_N

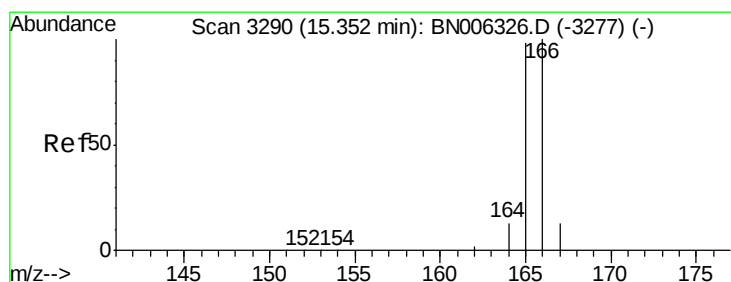
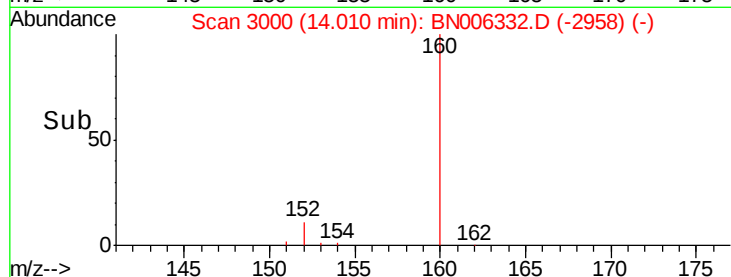
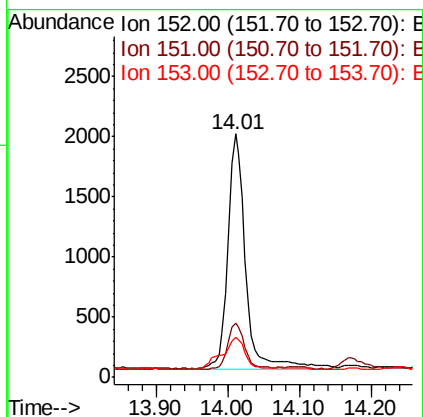
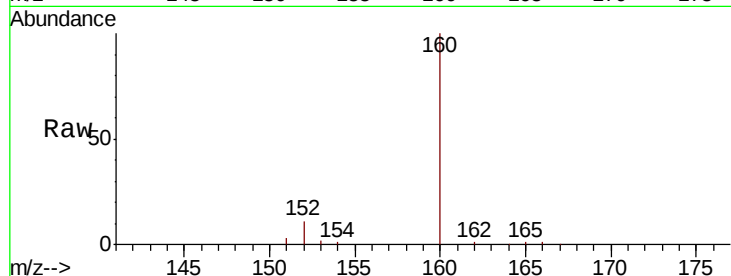
ClientSampled :

A4228

Tgt Ion:	152	Resp:	3362
Ion Ratio	Lower	Upper	
152	100		
151	22.3	15.8	23.8
153	16.6	10.8	16.2

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#9

Fluorene

Concen: 0.023 ng/ul

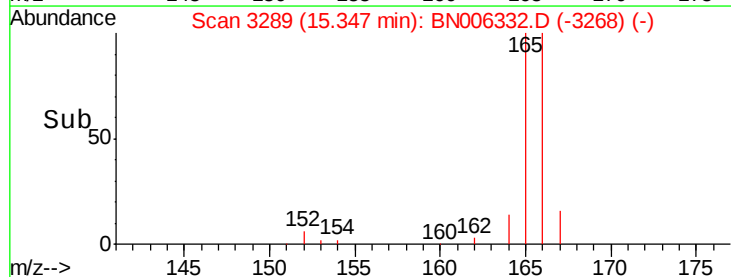
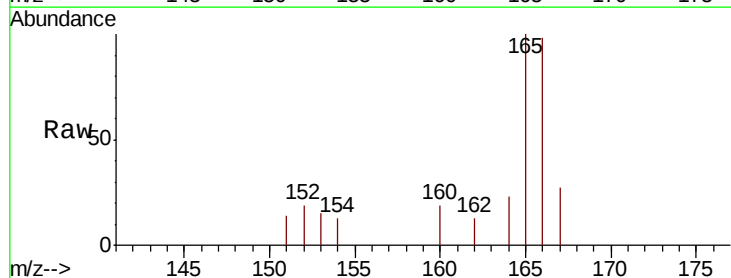
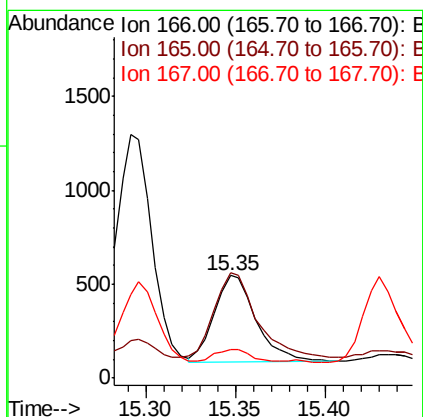
RT: 15.35 min Scan# 3289

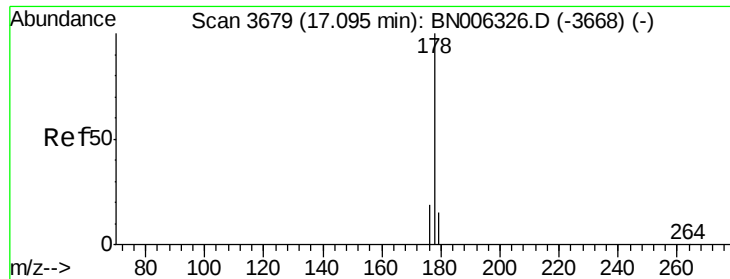
Delta R.T. -0.00 min

Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

Tgt Ion:	166	Resp:	760
Ion Ratio	Lower	Upper	
166	100		
165	102.4	76.4	114.6
167	27.8	11.0	16.6





#12

Phenanthrene

Concen: 0.280 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

Instrument :

BNA_N

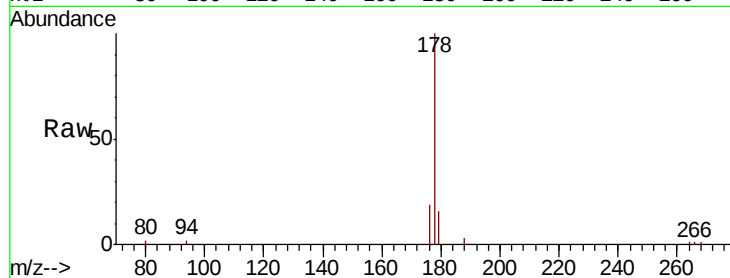
ClientSampleId :

A4228

Tgt Ion:	178	Resp:	13053
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.3	18.5
176	19.5	15.3	22.9

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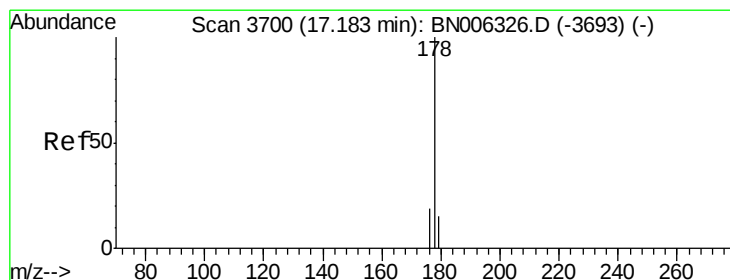
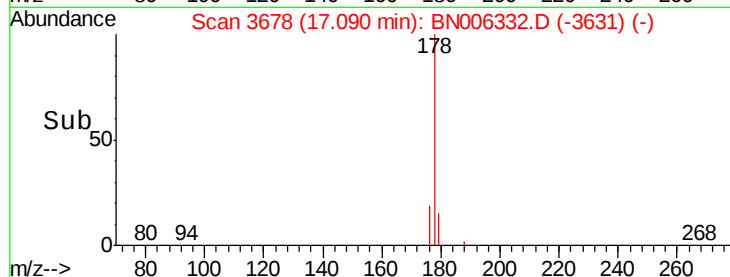
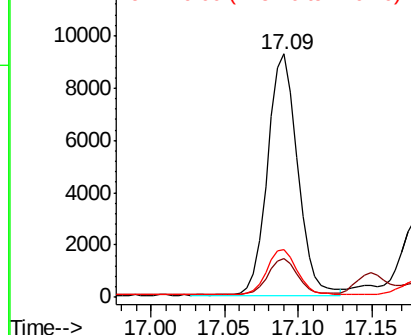


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.098 ng/ul m

RT: 17.18 min Scan# 3699

Delta R.T. -0.00 min

Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

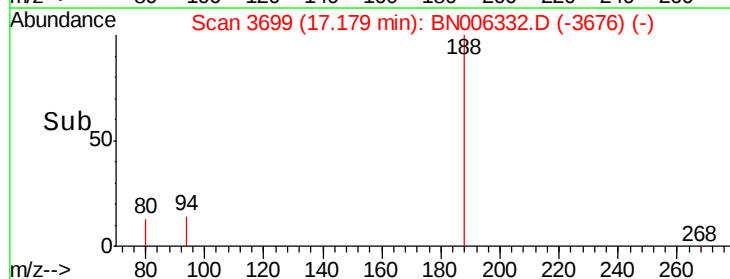
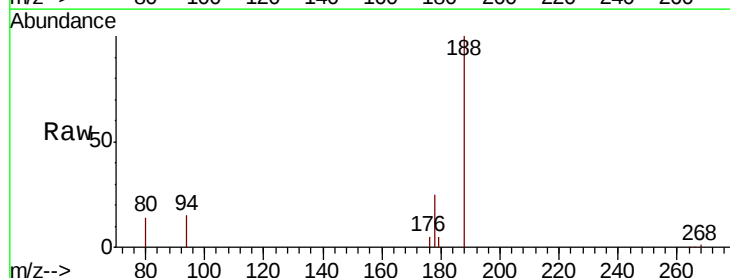
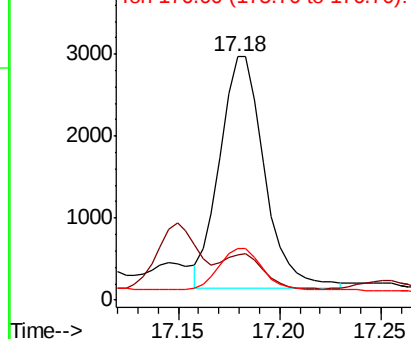
Tgt Ion:	178	Resp:	4353
Ion Ratio	Lower	Upper	
178	100		
179	18.8	12.2	18.4#
176	21.2	15.1	22.7

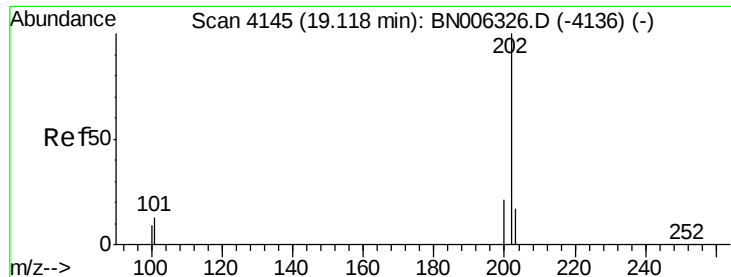
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





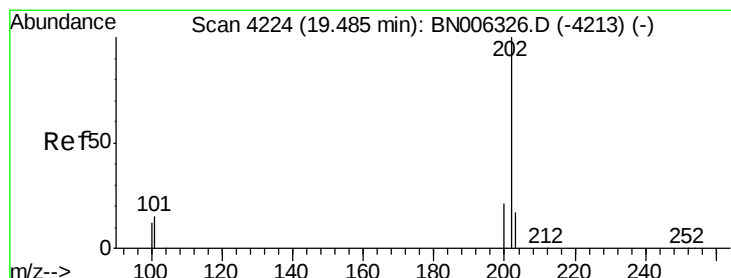
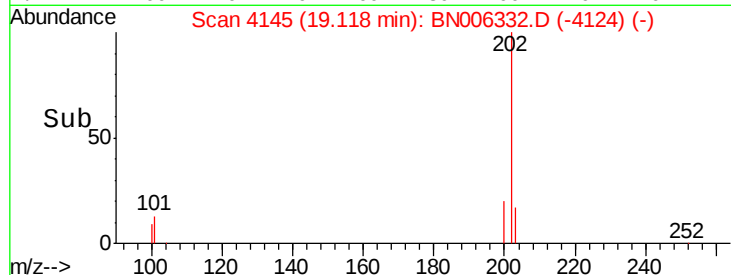
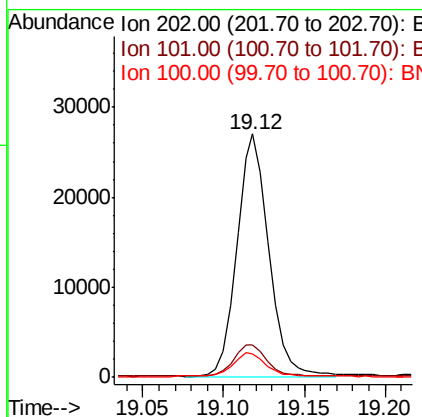
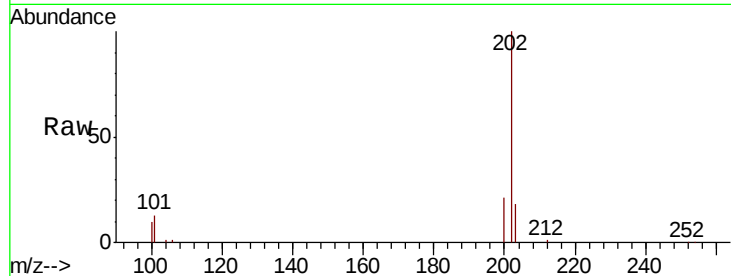
#15
Fluoranthene
Concen: 0.729 ng/ul m
RT: 19.12 min Scan# 4145
Delta R.T. -0.00 min
Lab File: BN006332.D
Acq: 14 Jun 2019 12:47

Instrument :
BNA_N
ClientSampleId :
A4228

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

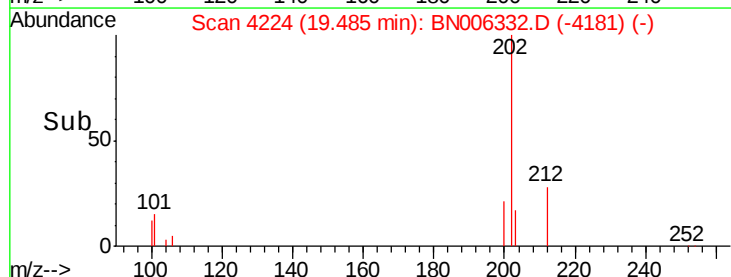
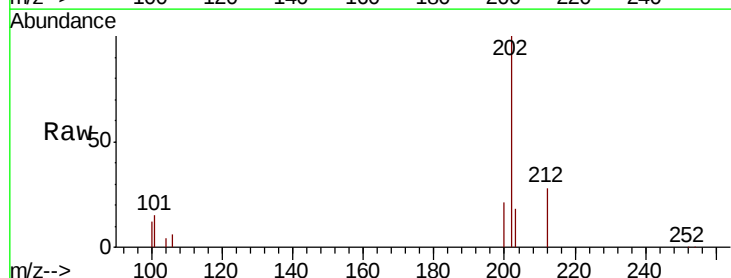
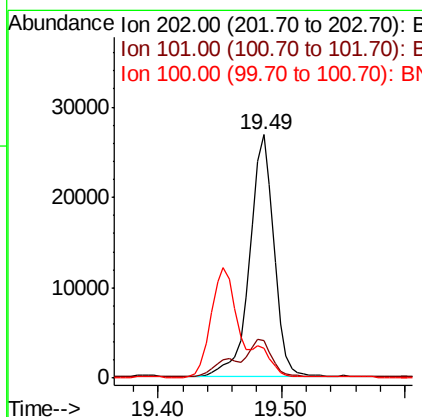
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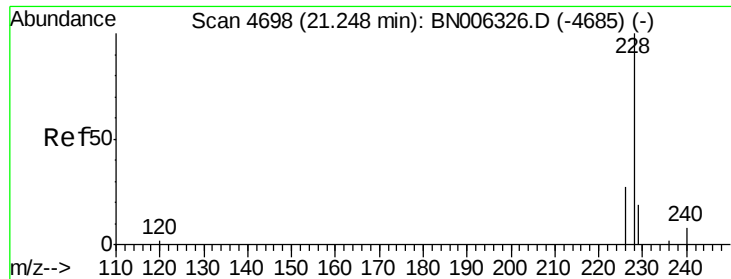
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#17
Pyrene
Concen: 0.622 ng/ul
RT: 19.49 min Scan# 4224
Delta R.T. 0.00 min
Lab File: BN006332.D
Acq: 14 Jun 2019 12:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.4	12.2	18.2
100	12.2	9.8	14.6





#18

Benzo(a)anthracene

Concen: 0.365 ng/ul

RT: 21.25 min Scan# 4699

Delta R.T. 0.00 min

Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

Instrument :

BNA_N

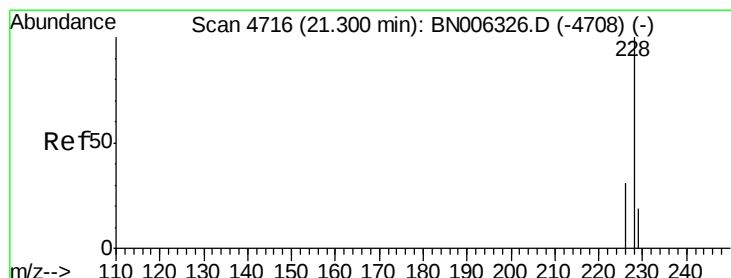
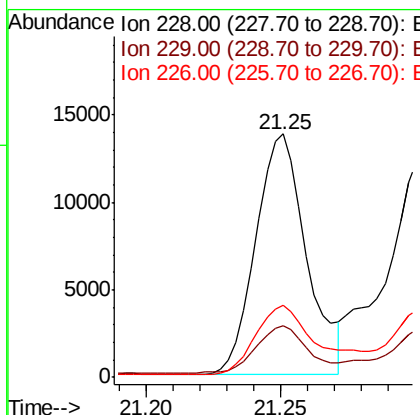
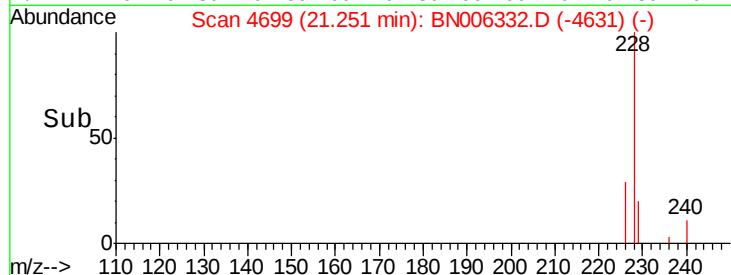
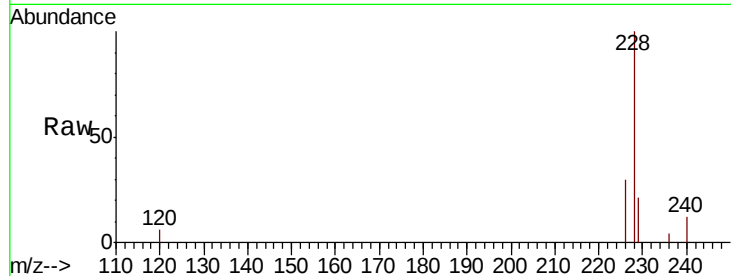
ClientSampleId :

A4228

Tgt Ion:	228	Resp:	18097
Ion Ratio	Lower	Upper	
228	100		
229	21.2	16.5	24.7
226	29.8	22.8	34.2

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#19

Chrysene

Concen: 0.442 ng/ul

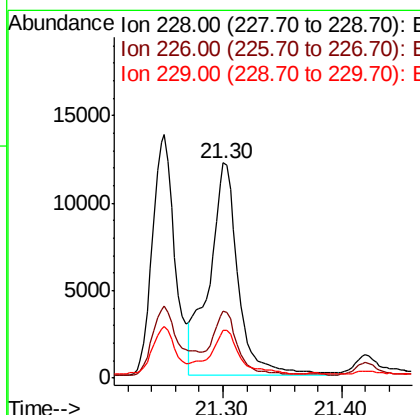
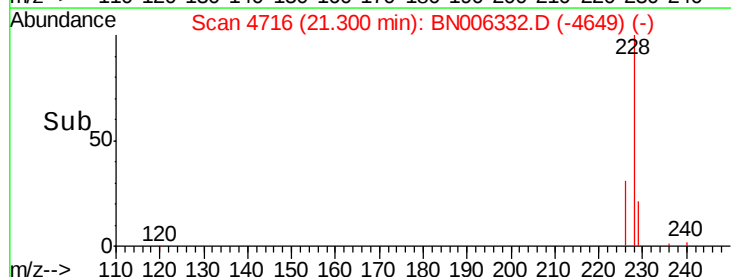
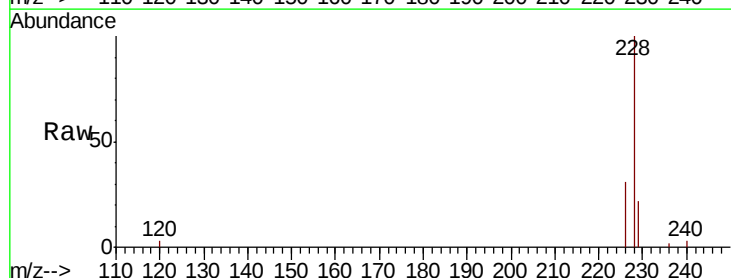
RT: 21.30 min Scan# 4716

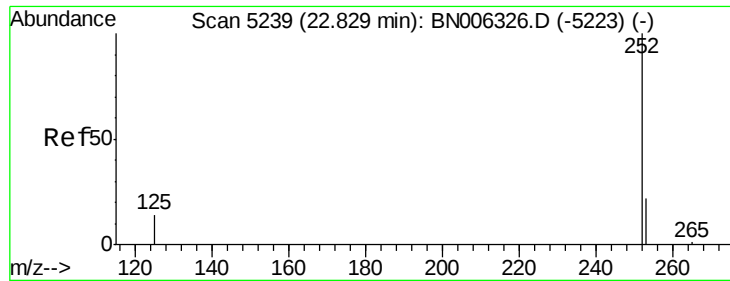
Delta R.T. -0.00 min

Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

Tgt Ion:	228	Resp:	20552
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	22.3	16.3	24.5





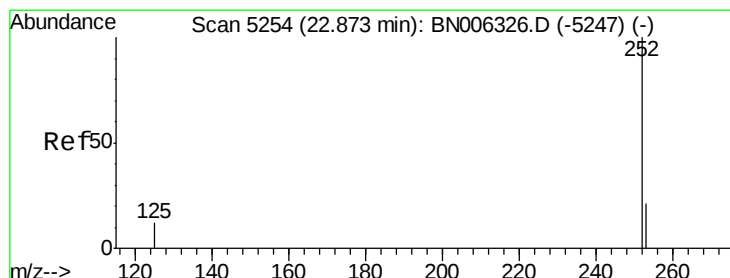
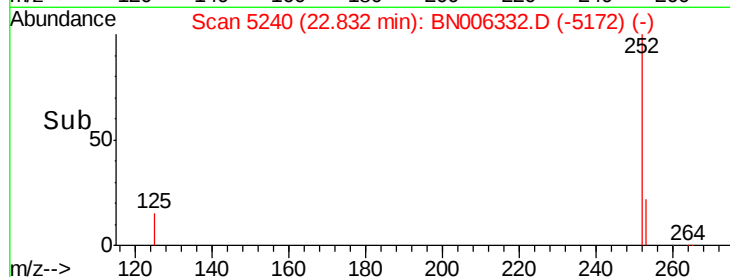
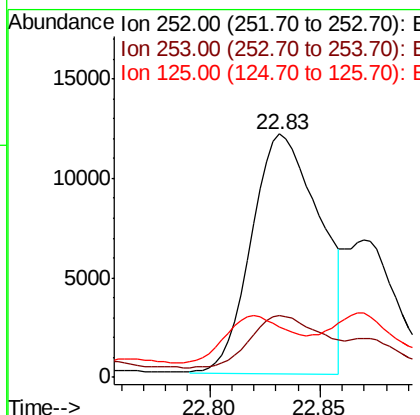
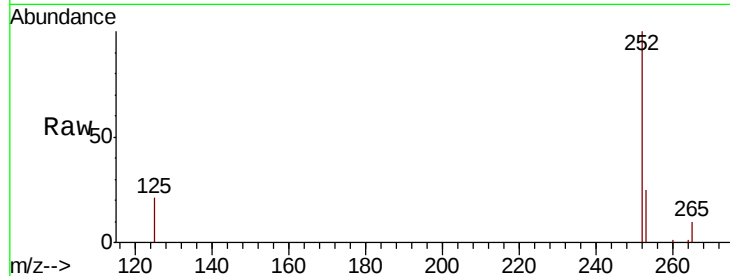
#21
Benzo(b)fluoranthene
Concen: 0.600 ng/ul m
RT: 22.83 min Scan# 5240
Delta R.T. 0.00 min
Lab File: BN006332.D
Acq: 14 Jun 2019 12:47

Instrument :
BNA_N
ClientSampleId :
A4228

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	25686		
253	25.3	0.0	51.4	
125	20.6	0.0	41.0	

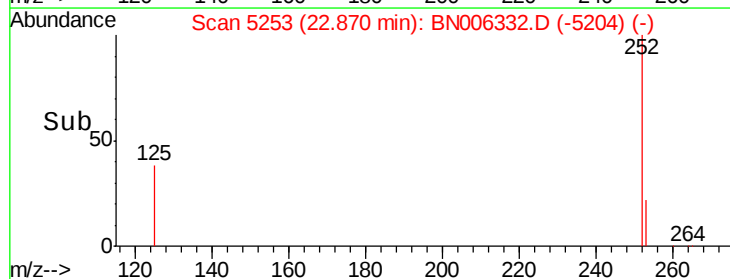
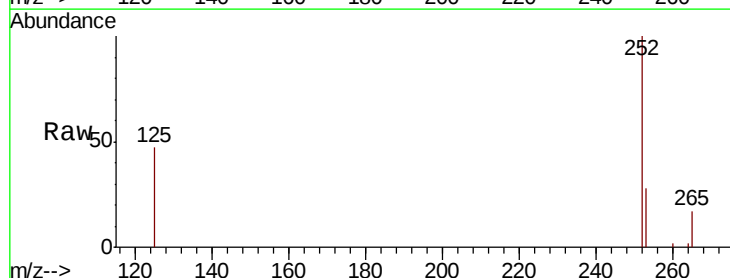
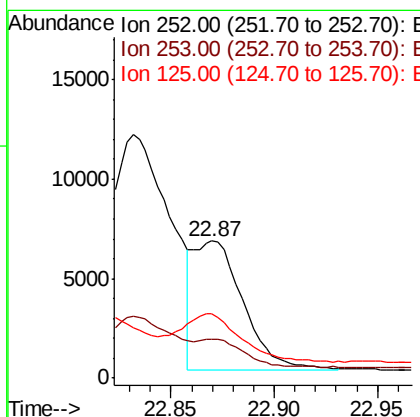
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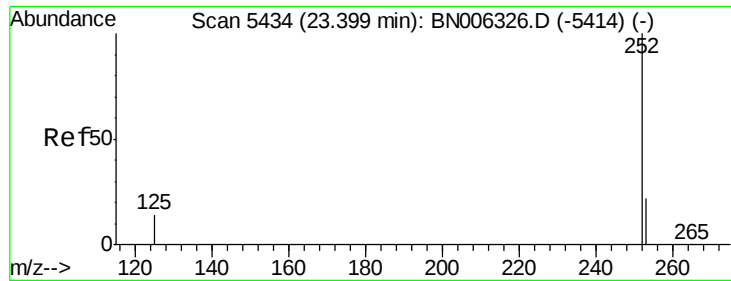
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#22
Benzo(k)fluoranthene
Concen: 0.259 ng/ul m
RT: 22.87 min Scan# 5253
Delta R.T. -0.01 min
Lab File: BN006332.D
Acq: 14 Jun 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	10797		
253	28.2	20.3	30.5	
125	46.8	14.3	21.5	





#23

Benzo(a)pyrene

Concen: 0.436 ng/ul m

RT: 23.40 min Scan# 5434

Delta R.T. -0.00 min

Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

Instrument :

BNA_N

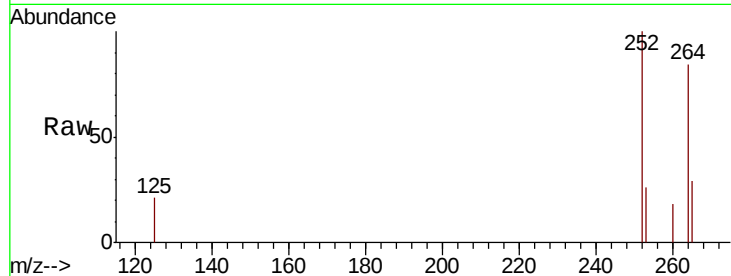
ClientSampleId :

A4228

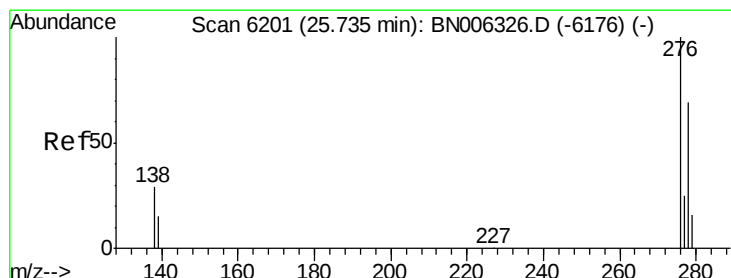
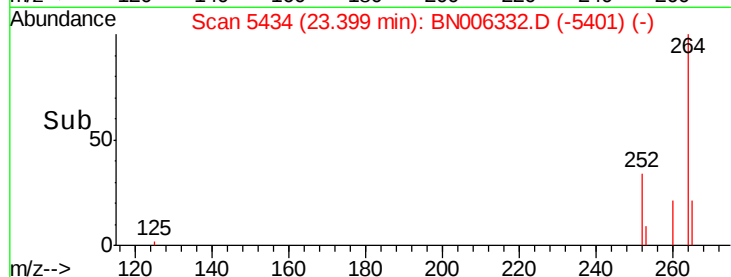
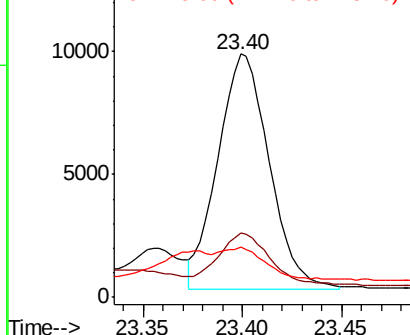
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	21.1	31.7
125	20.5	20.3	30.5

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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: 0.268 ng/ul m

RT: 25.74 min Scan# 6202

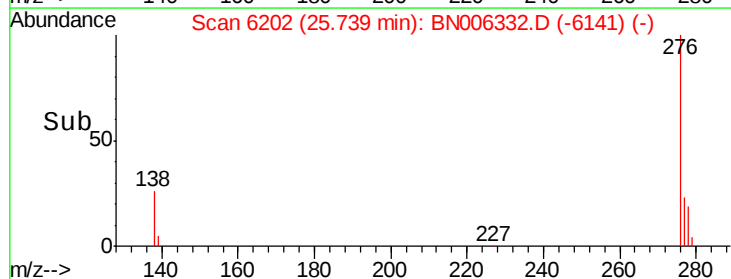
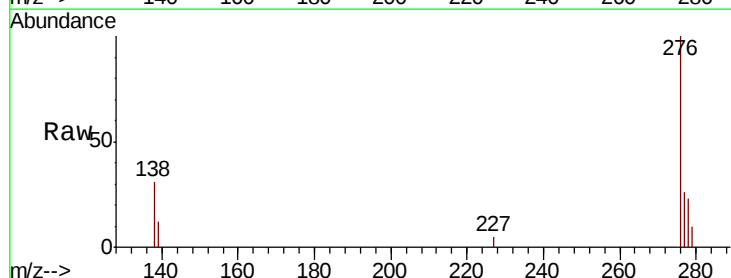
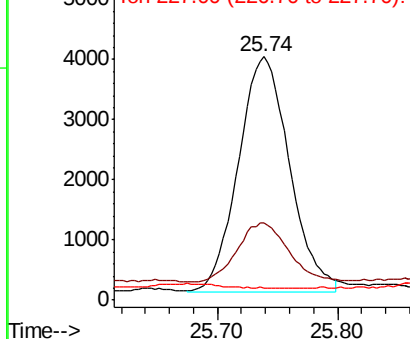
Delta R.T. 0.00 min

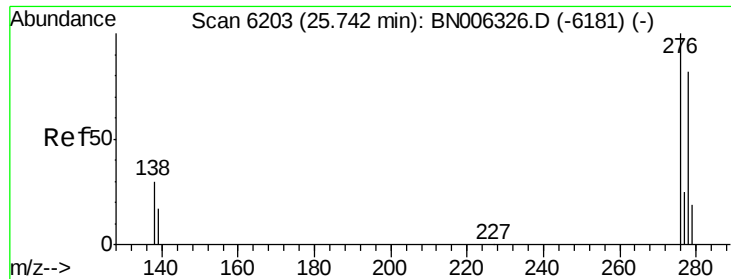
Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.1	25.6	38.4#
227	0.1	0.3	0.5#

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: 0.086 ng/ul m

RT: 25.75 min Scan# 6204

Delta R.T. -0.00 min

Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

Instrument :

BNA_N

ClientSampleId :

A4228

Tgt Ion:278 Resp: 2968

Ion Ratio Lower Upper

278 100

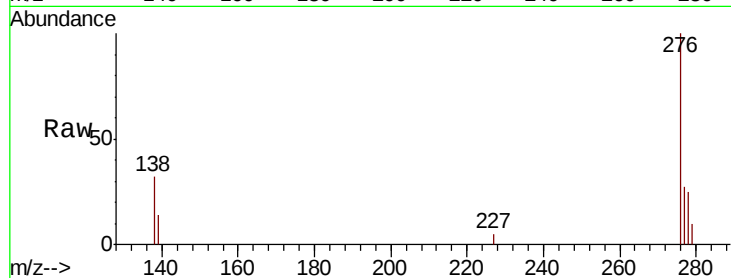
139 54.1 21.2 31.8#

279 40.0 22.6 33.8#

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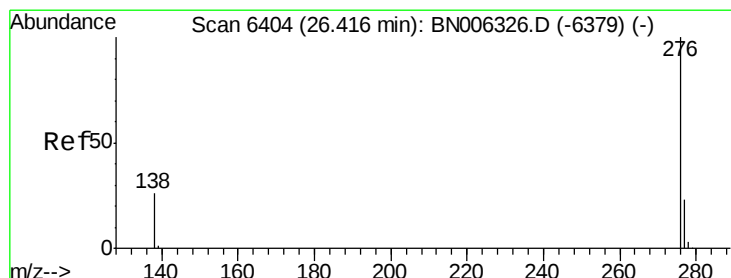
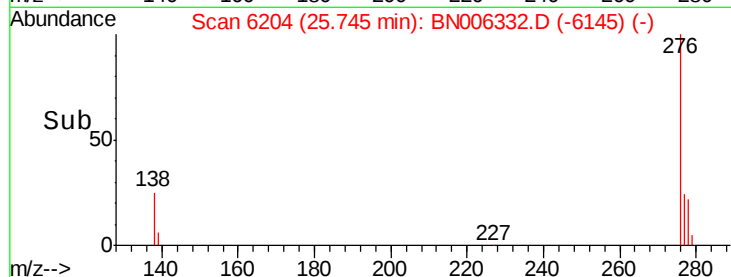
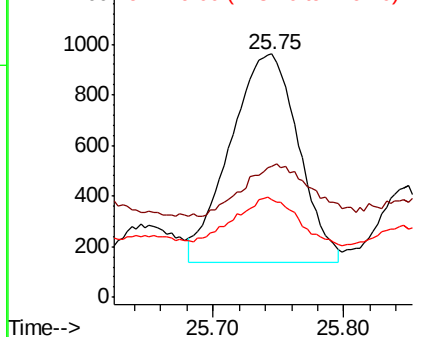
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.270 ng/ul m

RT: 26.42 min Scan# 6406

Delta R.T. 0.00 min

Lab File: BN006332.D

Acq: 14 Jun 2019 12:47

Tgt Ion:276 Resp: 9767

Ion Ratio Lower Upper

276 100

138 32.9 24.2 36.4

277 26.5 21.5 32.3

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

