

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008322.D
 Acq On : 22 Oct 2019 19:34
 Operator : JU
 Sample : K5199-06DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 23 01:04:53 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 : Mon Oct 21 23:58:15 2019
 Response via : Initial Calibration

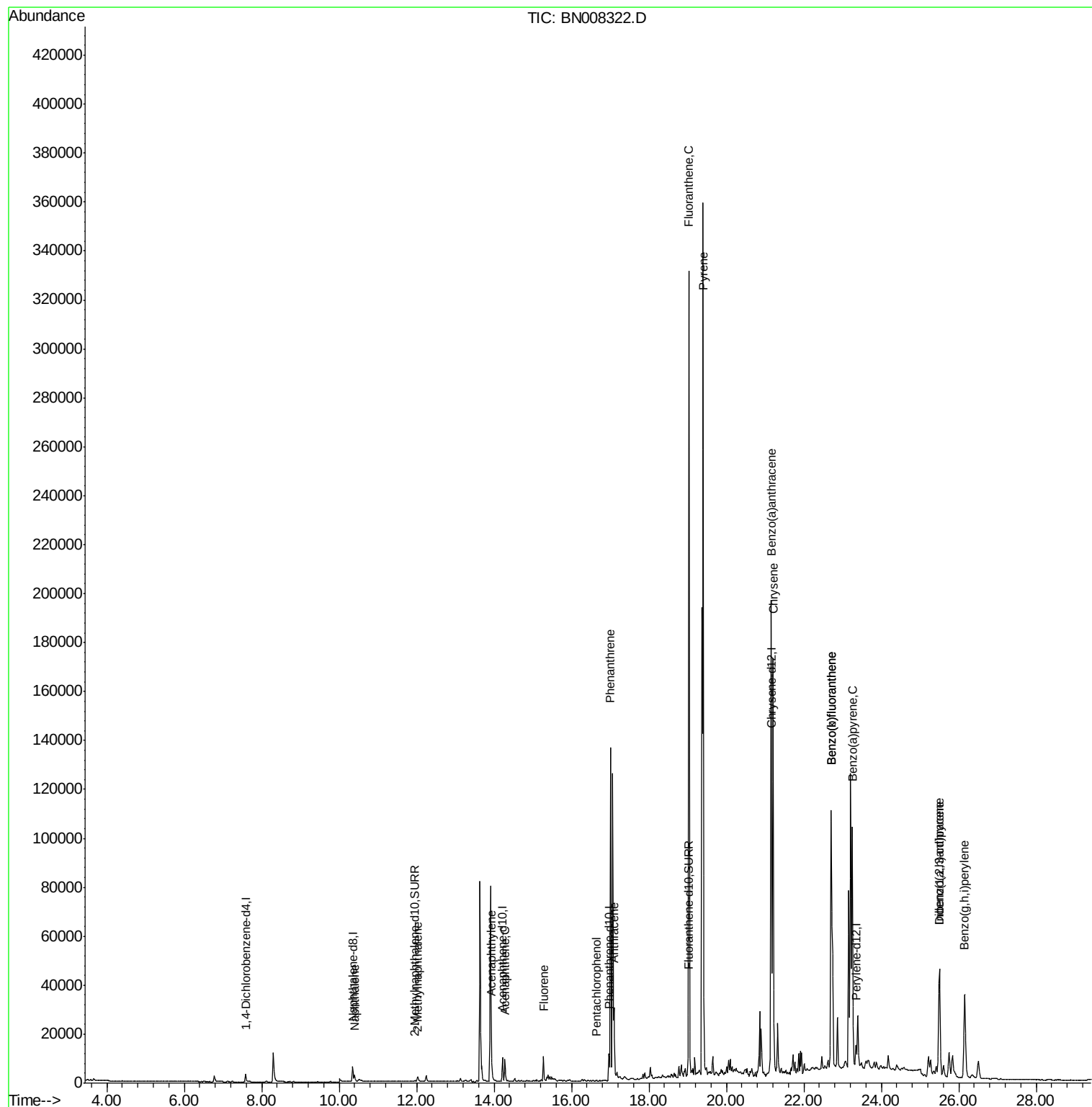
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1805	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	9004	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5756	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	12639	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	11614	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	10684	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	737	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	2293	0.05	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.39	128	3762	0.147	ng/ul	96
5) 2-Methylnaphthalene	12.02	142	1933	0.110	ng/ul	99
7) Acenaphthylene	13.94	152	7372	0.269	ng/ul	99
8) Acenaphthene	14.28	153	5490	0.258	ng/ul	98
9) Fluorene	15.27	166	6917	0.286	ng/ul	97
11) Pentachlorophenol	16.64	266	106	0.035	ng/ul	96
12) Phenanthrene	17.01	178	145912	3.943	ng/ul	99
13) Anthracene	17.10	178	27983	0.859	ng/ul	100
15) Fluoranthene	19.03	202	280743	5.744	ng/ul	97
17) Pyrene	19.40	202	301013	6.509	ng/ul	99
18) Benzo(a)anthracene	21.16	228	163372	3.869	ng/ul	98
19) Chrysene	21.21	228	172176	3.323	ng/ul	99
21) Benzo(b)fluoranthene	22.71	252	231365	6.652	ng/ul	92
22) Benzo(k)fluoranthene	22.71	252	231365	5.872	ng/ul	93
23) Benzo(a)pyrene	23.25	252	126807	3.465	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.50	276	67355	1.563	ng/ul	99
25) Dibenzo(a,h)anthracene	25.51	278	18387	0.540	ng/ul	95
26) Benzo(g,h,i)perylene	26.15	276	68032	1.721	ng/ul	98

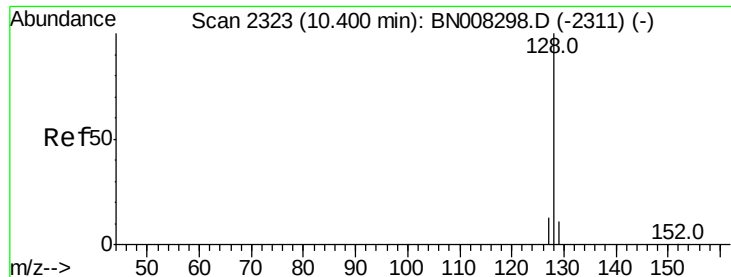
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 21 23:58:15 2019
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#3

Naphthalene

Concen: 0.147 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

Instrument :

BNA_N

ClientSampleId :

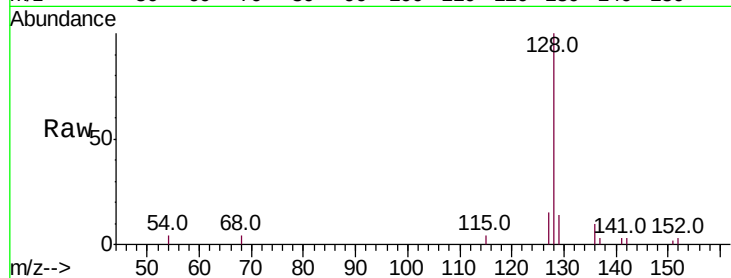
Tot Ion:128 Resp: 3762

Ion Ratio Lower Upper

128 100

129 13.8 9.8 14.8

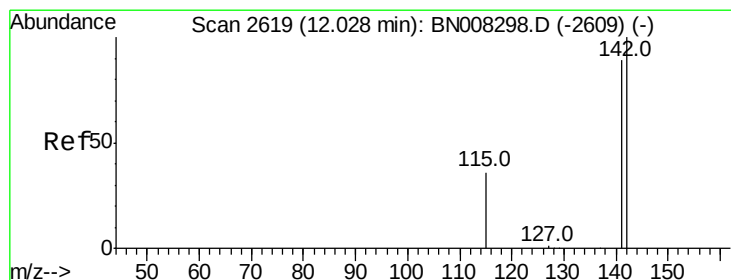
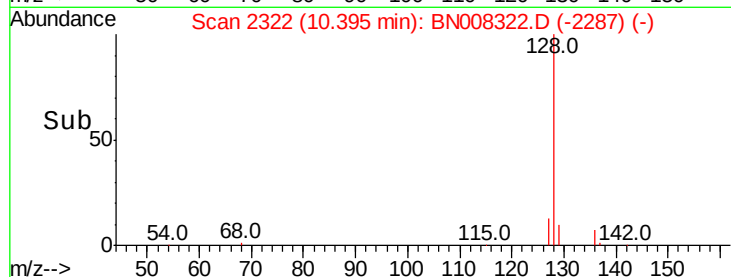
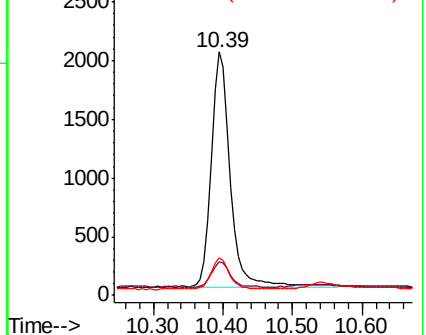
127 15.3 11.1 16.7



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: 0.110 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008322.D

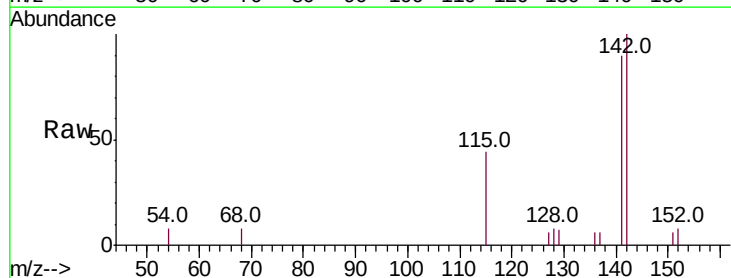
Acq: 22 Oct 2019 19:34

Tgt Ion:142 Resp: 1933

Ion Ratio Lower Upper

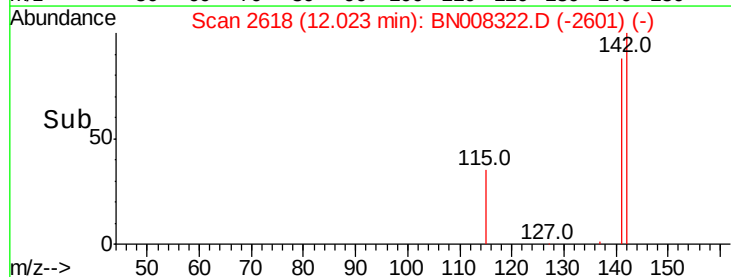
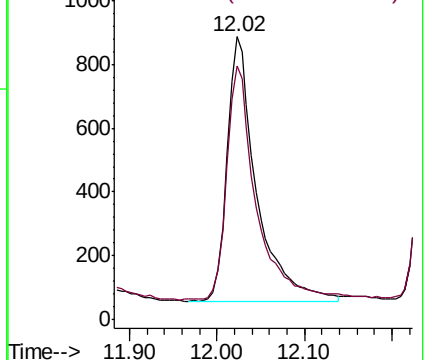
142 100

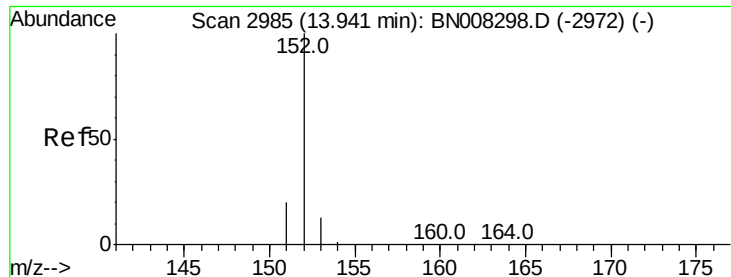
141 88.5 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.269 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

Instrument :

BNA_N

ClientSampled :

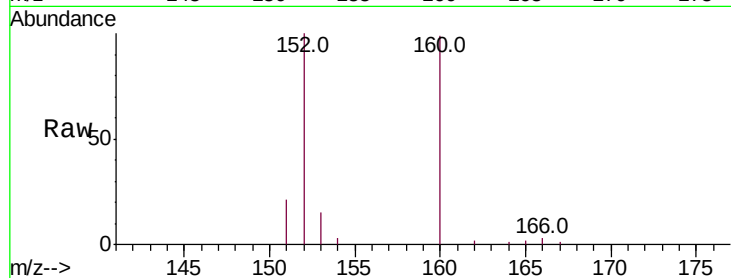
Tot Ion:152 Resp: 7372

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4

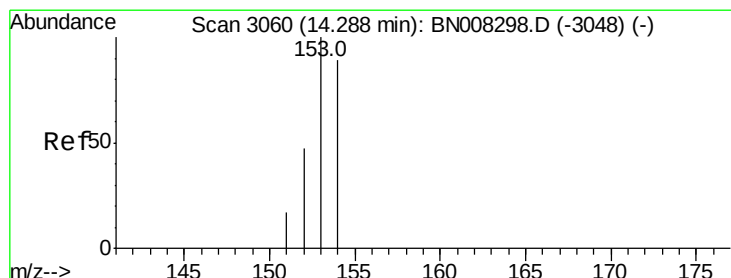
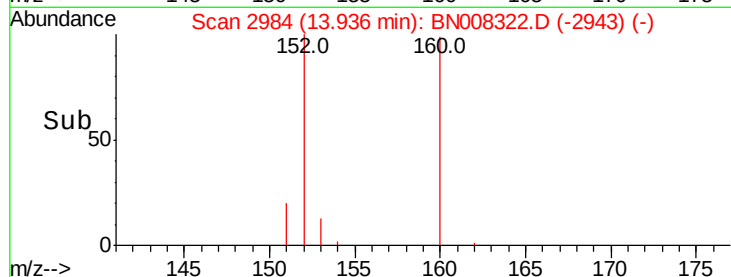
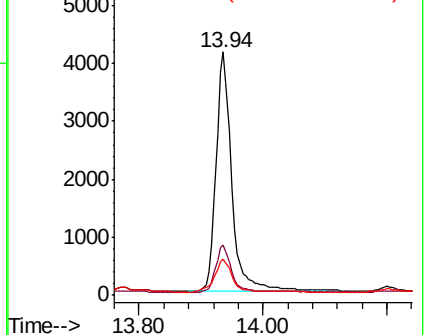
153 14.6 11.0 16.4



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: 0.258 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

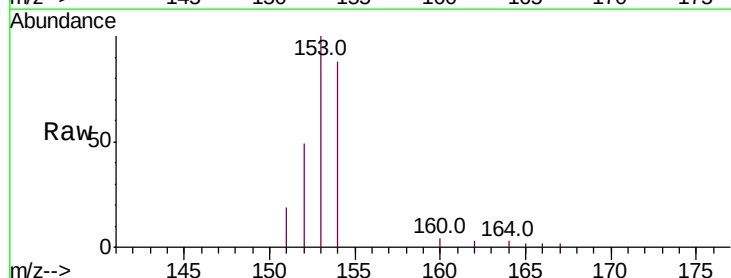
Tgt Ion:153 Resp: 5490

Ion Ratio Lower Upper

153 100

152 49.4 38.2 57.2

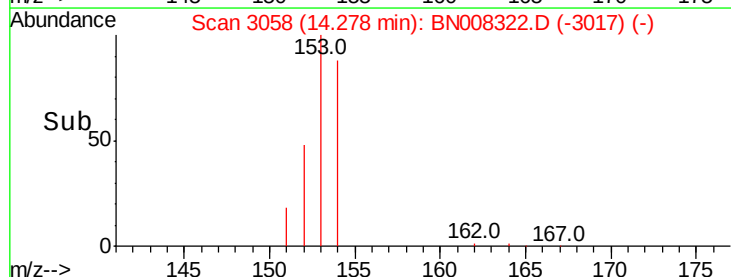
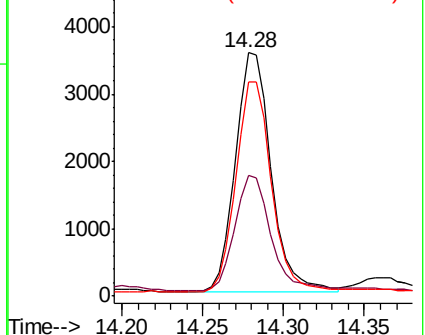
154 88.0 71.8 107.8

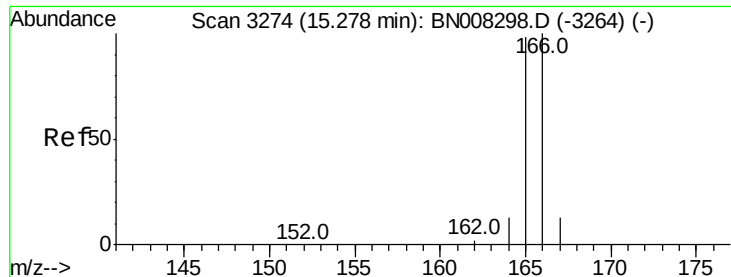


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

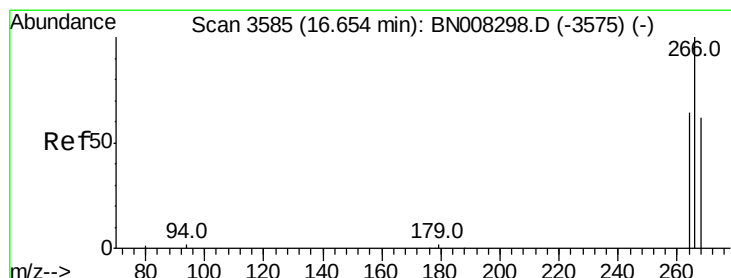
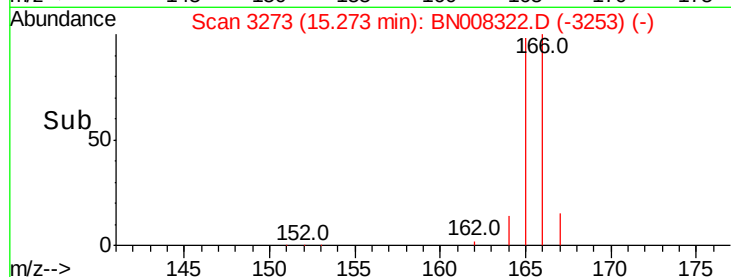
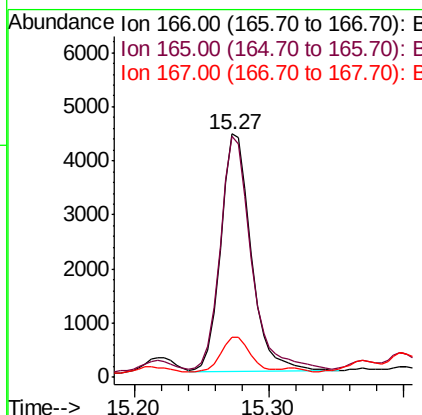
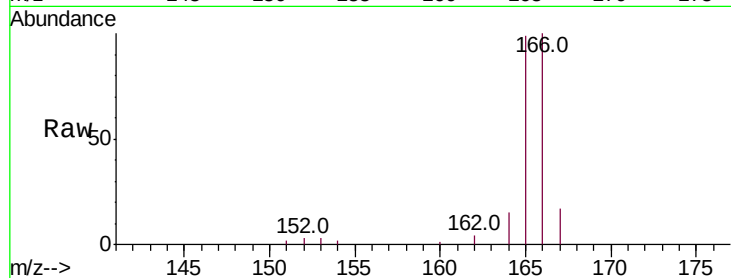




#9
Fluorene
 Concen: 0.286 ng/ul
 RT: 15.27 min Scan# 3273
 Delta R.T. -0.01 min
 Lab File: BN008322.D
 Acq: 22 Oct 2019 19:34

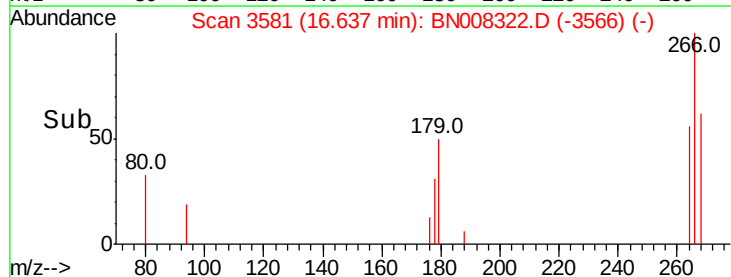
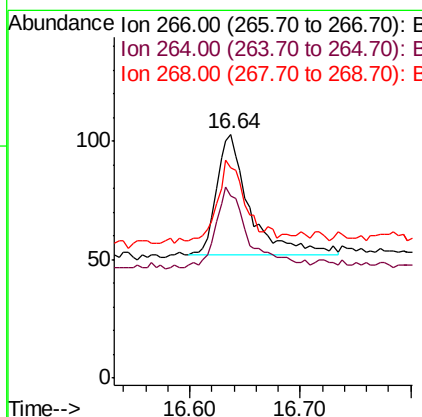
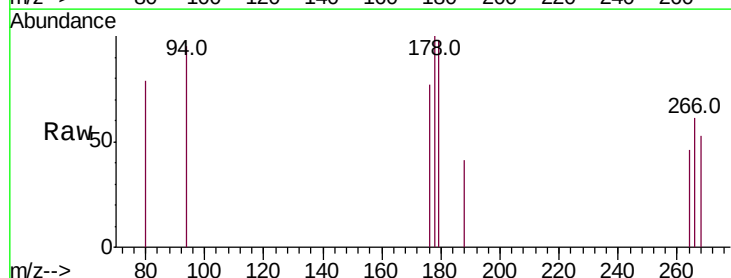
Instrument :
 BNA_N
 ClientSampleId :

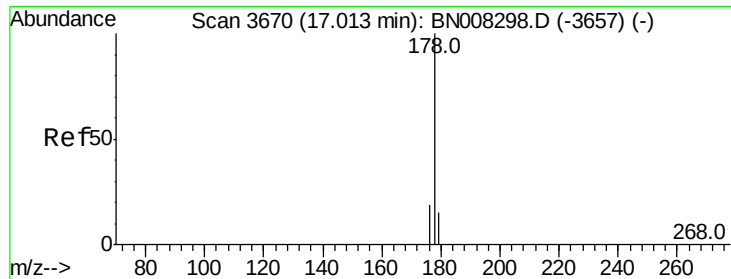
Tot Ion:166 Resp: 6917
 Ion Ratio Lower Upper
 166 100
 165 99.0 76.6 115.0
 167 16.6 11.7 17.5



#11
Pentachlorophenol
 Concen: 0.035 ng/ul
 RT: 16.64 min Scan# 3581
 Delta R.T. -0.04 min
 Lab File: BN008322.D
 Acq: 22 Oct 2019 19:34

Tgt Ion:266 Resp: 106
 Ion Ratio Lower Upper
 266 100
 264 67.0 50.1 75.1
 268 63.2 51.9 77.9





#12

Phenanthrene

Concen: 3.943 ng/ul

RT: 17.01 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

Instrument :

BNA_N

ClientSampleId :

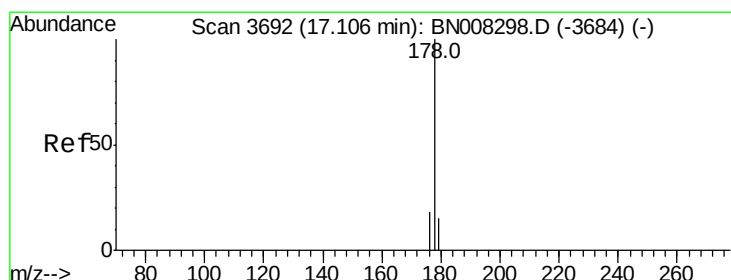
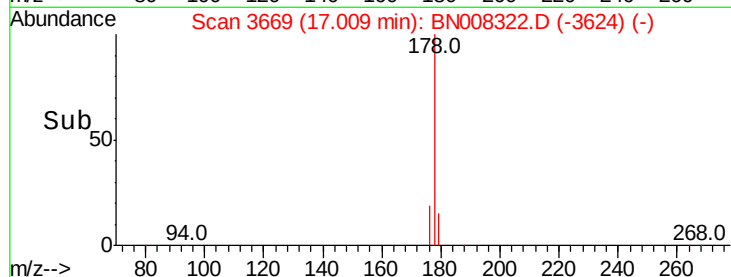
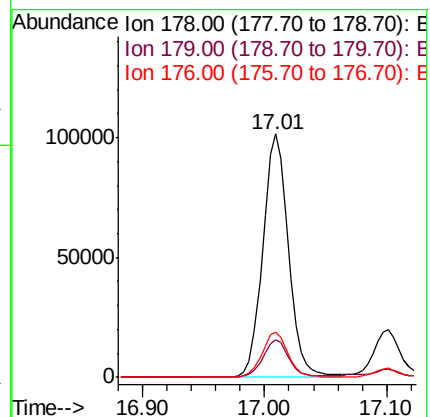
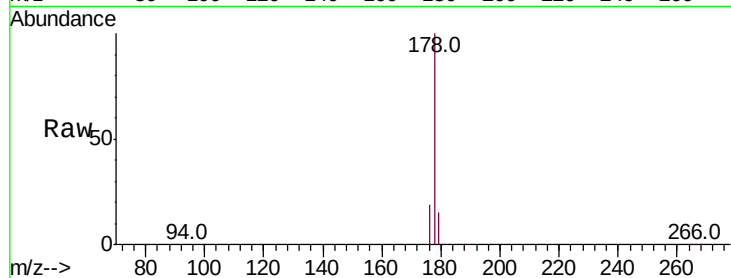
Tot Ion:178 Resp: 145912

Ion Ratio Lower Upper

178 100

179 15.4 12.8 19.2

176 18.7 15.4 23.2



#13

Anthracene

Concen: 0.859 ng/ul

RT: 17.10 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

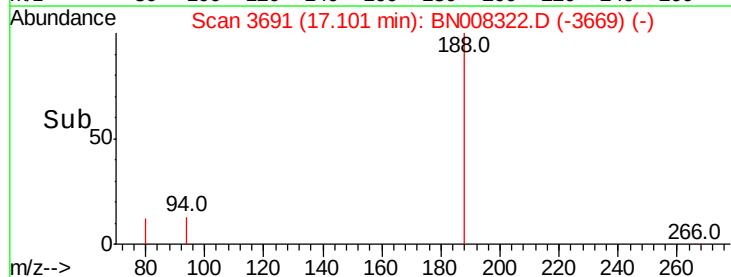
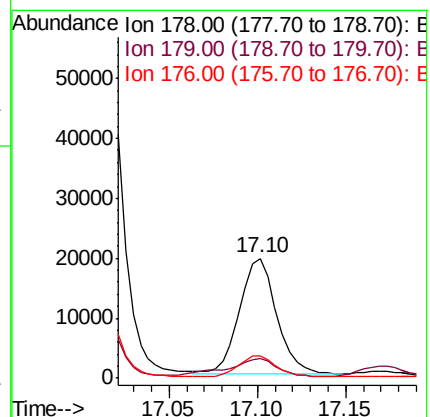
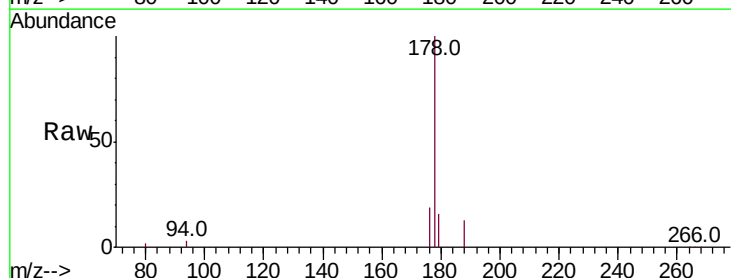
Tgt Ion:178 Resp: 27983

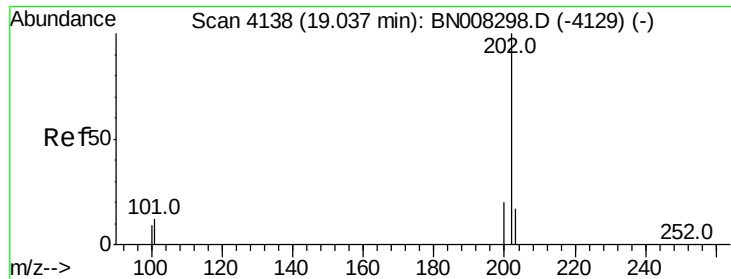
Ion Ratio Lower Upper

178 100

179 16.3 13.0 19.6

176 18.6 15.0 22.6





#15

Fluoranthene

Concen: 5.744 ng/ul

RT: 19.03 min Scan# 4137

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

Instrument :

BNA_N

ClientSampleId :

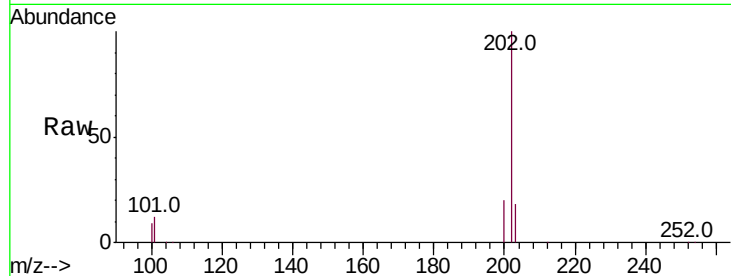
Tot Ion:202 Resp: 280743

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.2

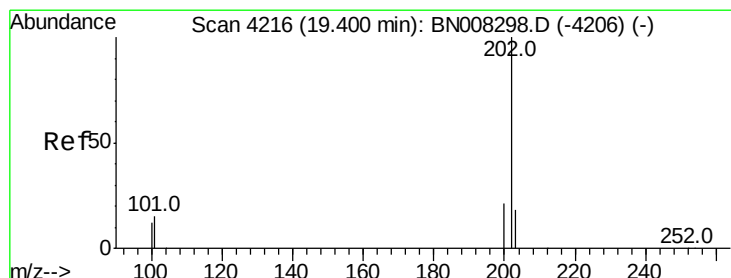
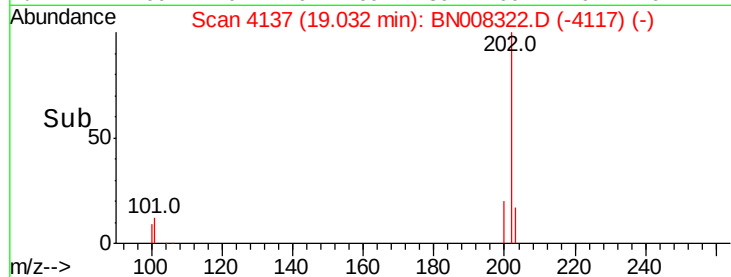
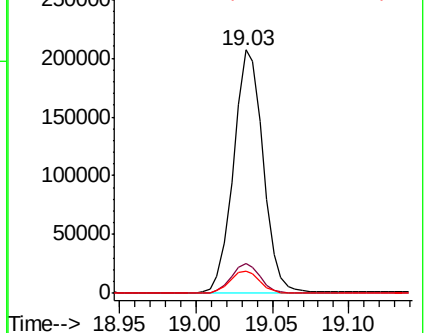
100 9.4 0.0 28.5



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: 6.509 ng/ul

RT: 19.40 min Scan# 4216

Delta R.T. -0.00 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

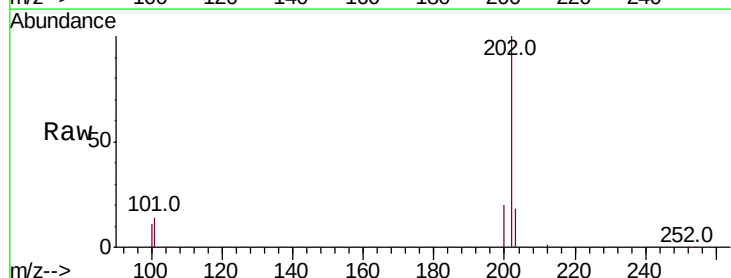
Tgt Ion:202 Resp: 301013

Ion Ratio Lower Upper

202 100

101 13.8 10.9 16.3

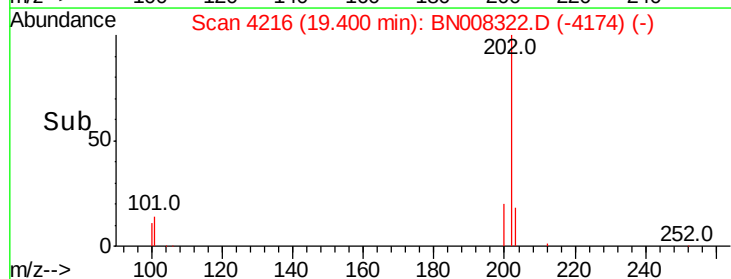
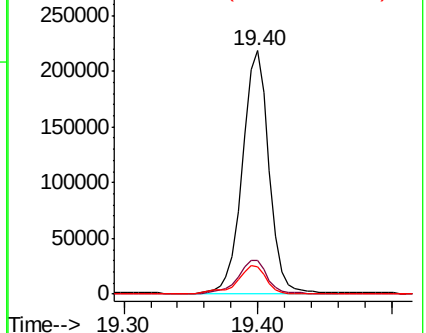
100 11.2 8.7 13.1

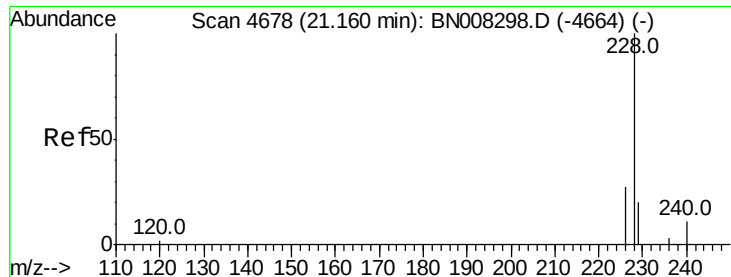


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 3.869 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

Instrument :

BNA_N

ClientSampleId :

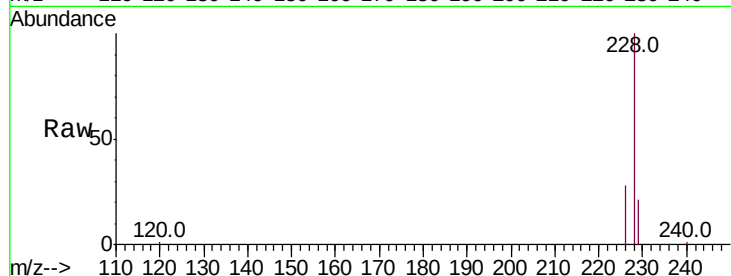
Tot Ion:228 Resp: 163372

Ion Ratio Lower Upper

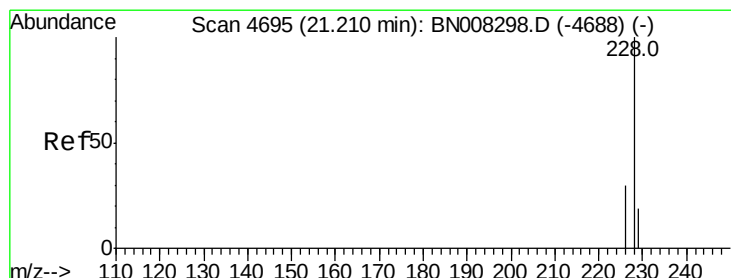
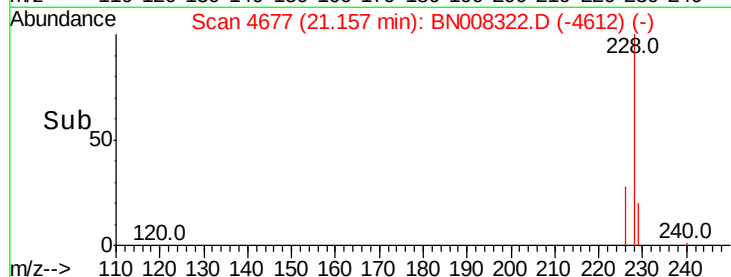
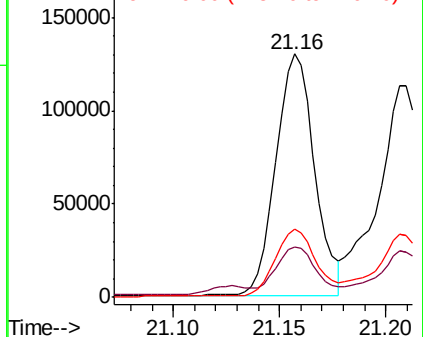
228 100

229 20.9 16.2 24.2

226 28.1 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 3.323 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

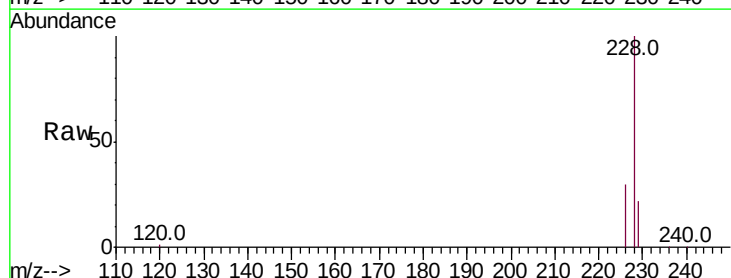
Tgt Ion:228 Resp: 172176

Ion Ratio Lower Upper

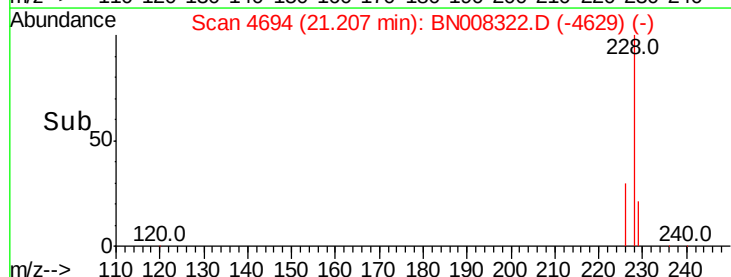
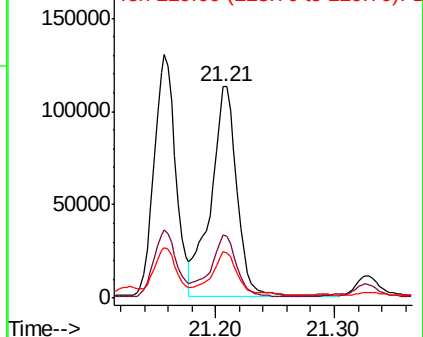
228 100

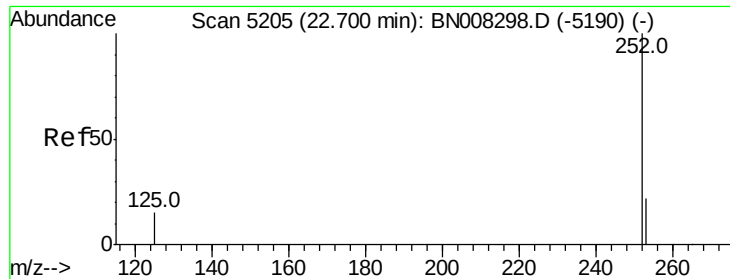
226 30.1 24.1 36.1

229 21.9 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

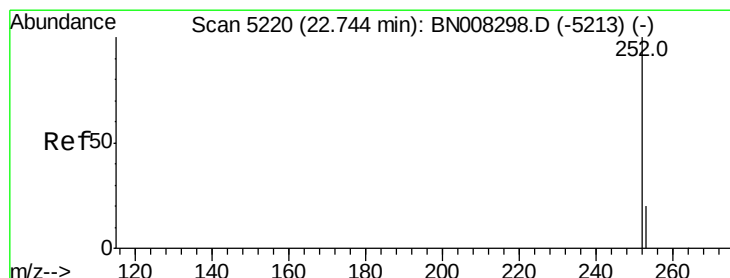
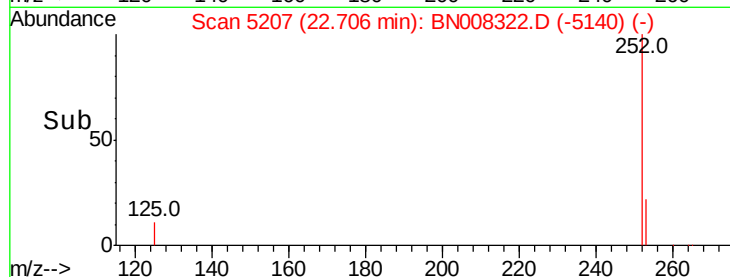
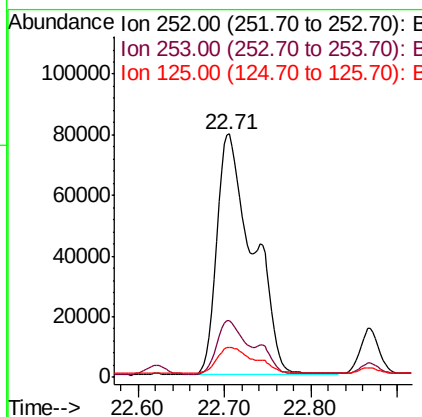
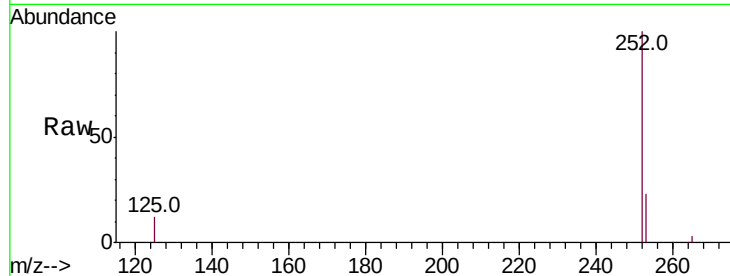




#21
Benzo(b)fluoranthene
Concen: 6.652 ng/ul
RT: 22.71 min Scan# 5207
Delta R.T. -0.00 min
Lab File: BN008322.D
Acq: 22 Oct 2019 19:34

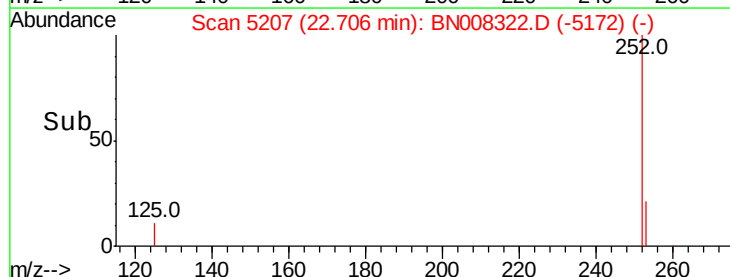
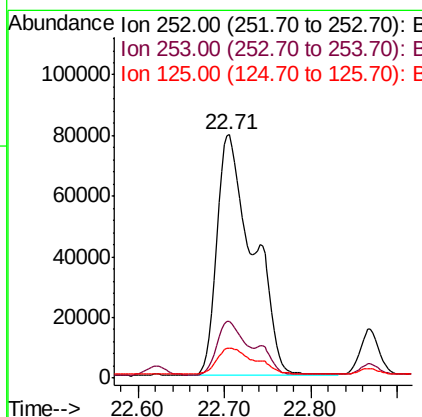
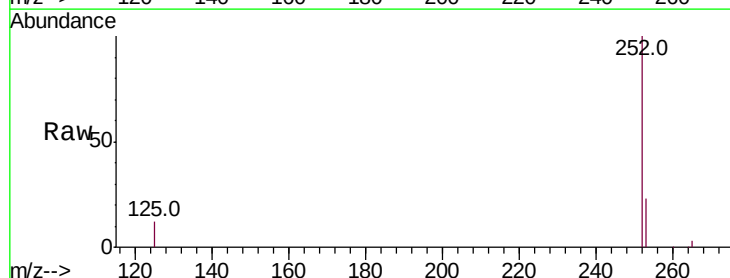
Instrument :
BNA_N
ClientSampleId :

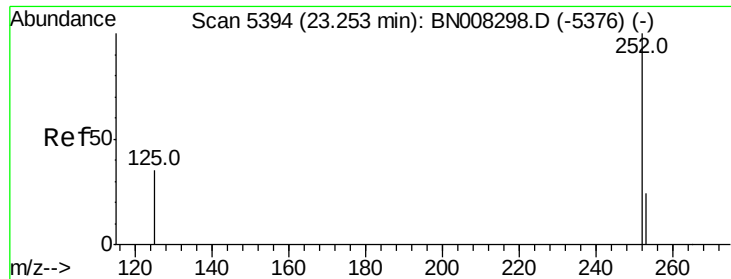
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	53.4
125	12.3	0.0	32.4



#22
Benzo(k)fluoranthene
Concen: 5.872 ng/ul
RT: 22.71 min Scan# 5207
Delta R.T. -0.05 min
Lab File: BN008322.D
Acq: 22 Oct 2019 19:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	21.3	31.9
125	12.3	12.3	18.5





#23

Benzo(a)pyrene

Concen: 3.465 ng/ul

RT: 23.25 min Scan# 5394

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

Instrument :

BNA_N

ClientSampleId :

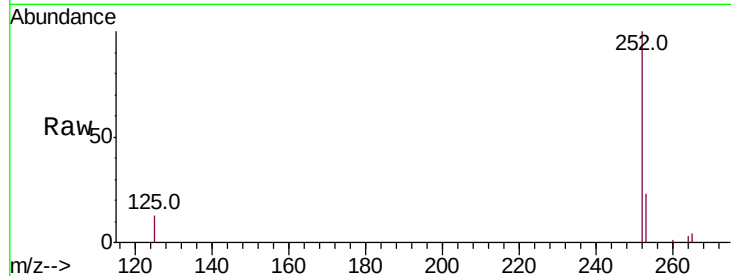
Tot Ion:252 Resp: 126807

Ion Ratio Lower Upper

252 100

253 22.9 22.8 34.2

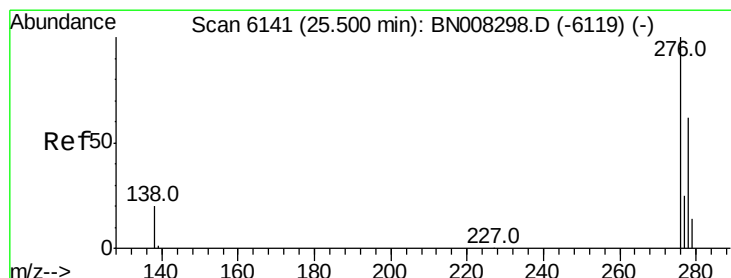
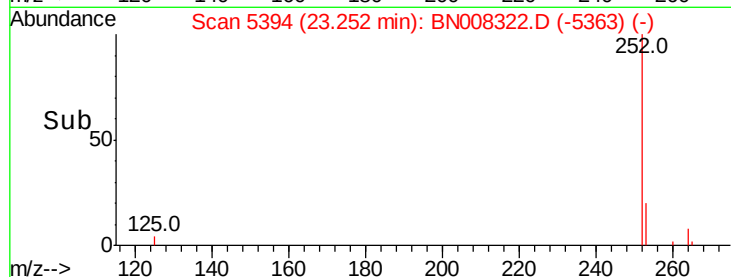
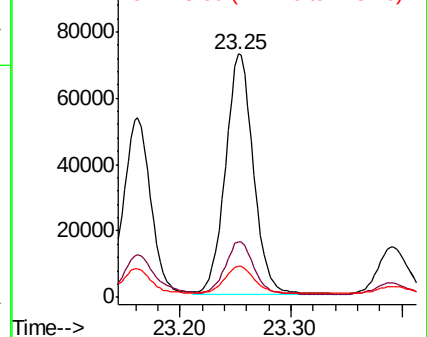
125 13.0 18.4 27.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.563 ng/ul

RT: 25.50 min Scan# 6141

Delta R.T. -0.01 min

Lab File: BN008322.D

Acq: 22 Oct 2019 19:34

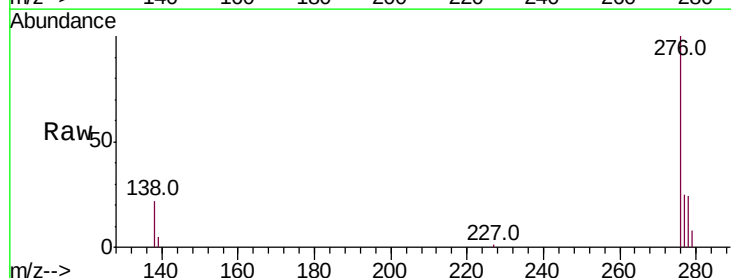
Tgt Ion:276 Resp: 67355

Ion Ratio Lower Upper

276 100

138 20.7 16.1 24.1

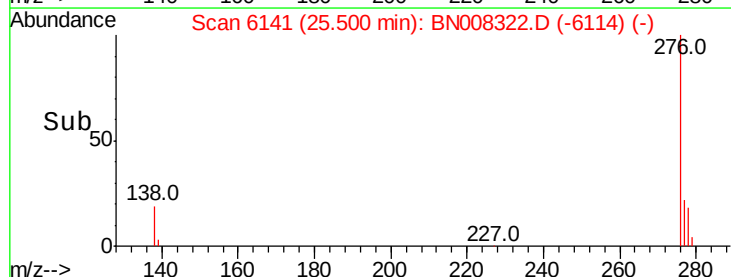
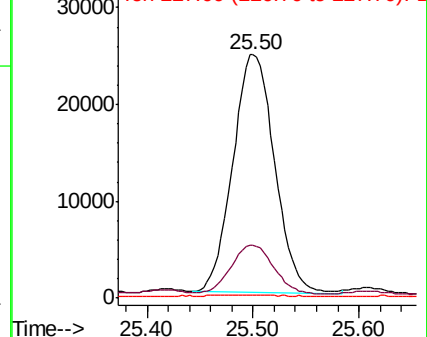
227 0.2 0.2 0.2

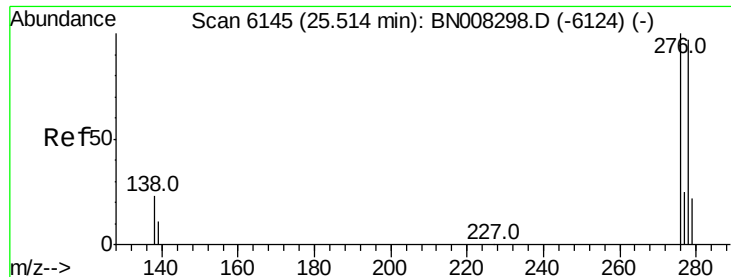


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



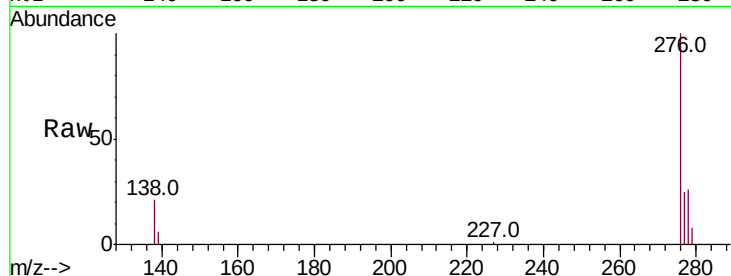


#25
Dibenzo(a,h)anthracene
Concen: 0.540 ng/ul
RT: 25.51 min Scan# 6143
Delta R.T. -0.02 min
Lab File: BN008322.D
Acq: 22 Oct 2019 19:34

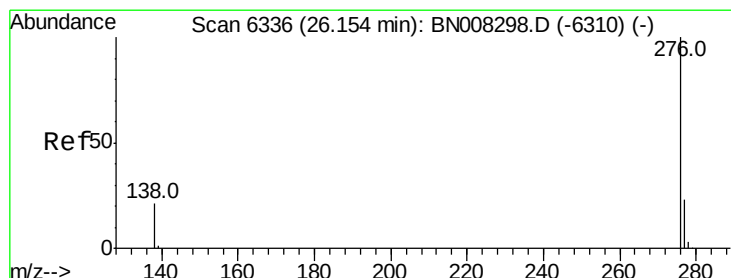
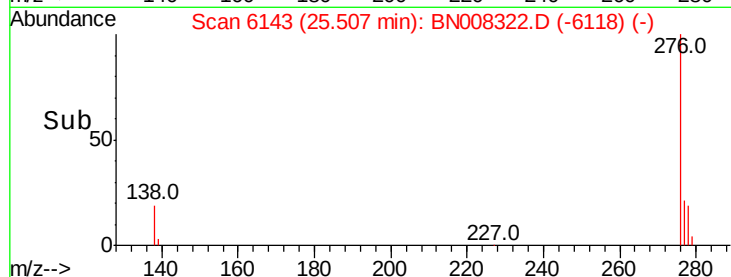
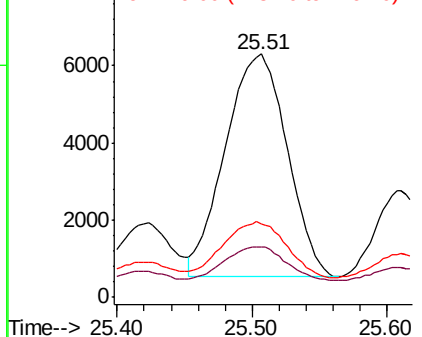
Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 18387

Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.0	22.6
279	30.4	22.4	33.6



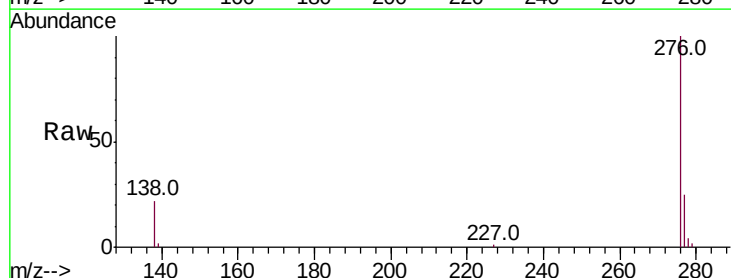
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 1.721 ng/ul
RT: 26.15 min Scan# 6336
Delta R.T. -0.01 min
Lab File: BN008322.D
Acq: 22 Oct 2019 19:34

Tgt Ion:276 Resp: 68032

Ion	Ratio	Lower	Upper
276	100		
138	21.9	17.0	25.4
277	24.5	20.4	30.6



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

