

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
 Data File : BN005358.D
 Acq On : 29 Apr 2019 19:09
 Operator : JU/SJ
 Sample : K2456-12DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 30 00:53:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	315850	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1314600	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	768896	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1731168	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1621718	20.00	ng/ul	-0.02
85) Perylene-d12	23.42	264	1936753	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	4379	0.67	ng/uL	0.00
5) Phenol-d5	6.78	99	76645	3.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	47021	3.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	62300	3.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	61184	3.16	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	32208	3.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	31322	3.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	60420	3.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	30535	1.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	199877	3.58	ng/ul	-0.01
46) Acenaphthylene-d8	13.91	160	257223	3.75	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.45	143	26122	2.96	ng/ul	0.01
57) Fluorene-d10	15.22	176	181833	3.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	14285	1.83	ng/ul	0.00
70) Anthracene-d10	17.07	188	285195	3.93	ng/ul	-0.01
78) Pyrene-d10	19.39	212	309154	3.73	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	318196	3.76	ng/ul	-0.03

Target Compounds

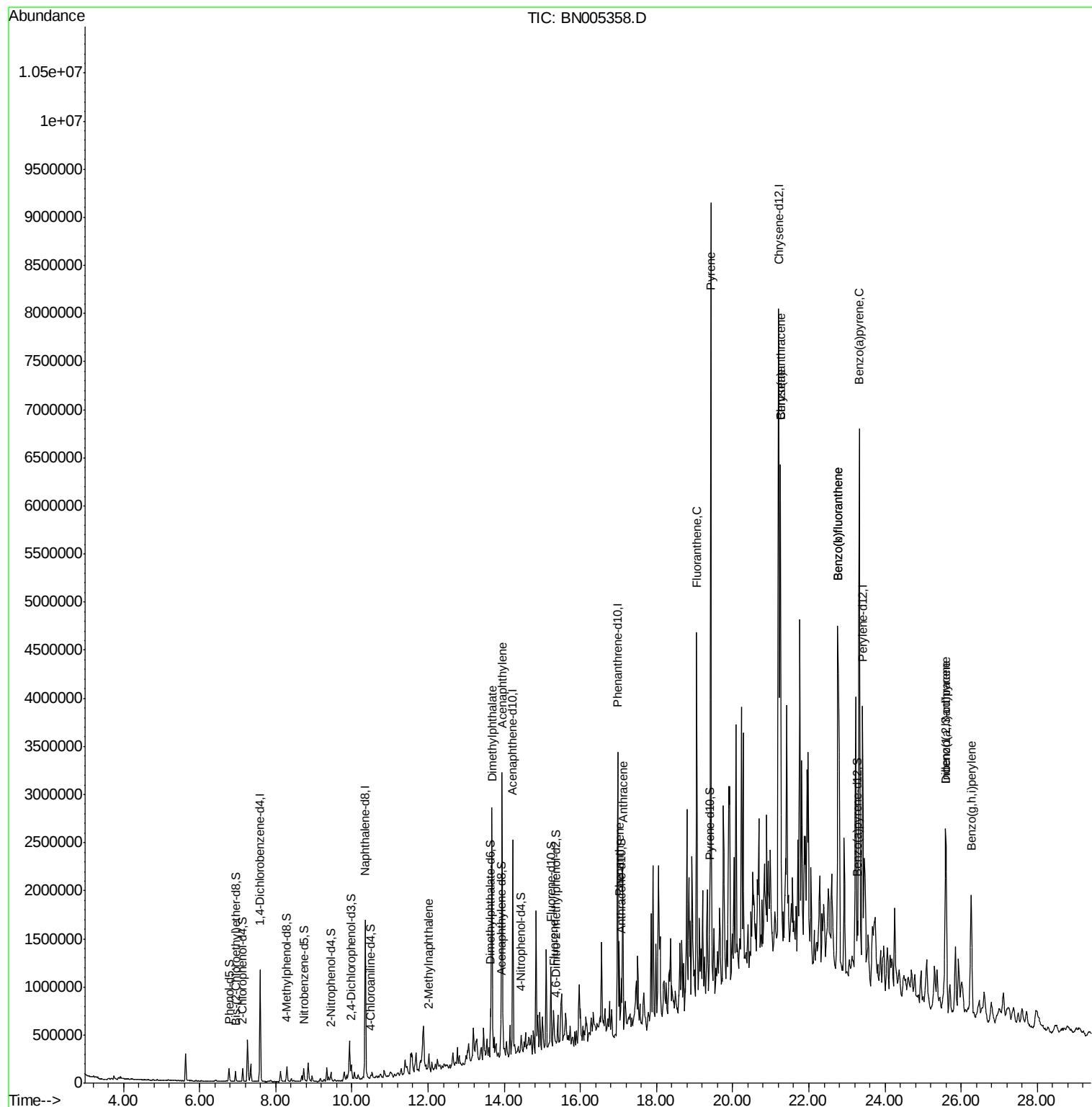
					Ovalue	
34) 2-Methylnaphthalene	12.02	142	66960	1.496	ng/ul	95
44) Dimethylphthalate	13.69	163	59950	1.078	ng/ul#	91
47) Acenaphthylene	13.95	152	2195339	32.586	ng/ul	99
58) Fluorene	15.30	166	188612	3.650	ng/ul#	59
69) Phenanthrene	17.02	178	600199	7.119	ng/ul	99
71) Anthracene	17.11	178	1125210	13.101	ng/ul	99
76) Fluoranthene	19.06	202	1957221	20.929	ng/ul	98
79) Pyrene	19.42	202	5104319	48.884	ng/ul	98
82) Benzo(a)anthracene	21.25	228	3071719	30.447	ng/ul	94
84) Chrysene	21.25	228	3071719	32.806	ng/ul	97
87) Benzo(b)fluoranthene	22.76	252	3543944	32.552	ng/ul	98
88) Benzo(k)fluoranthene	22.76	252	3543944	34.084	ng/ul	99
90) Benzo(a)pyrene	23.32	252	3521109	34.408	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.60	276	1695518	14.986	ng/ul	96
92) Dibenzo(a,h)anthracene	25.60	278	610042	6.353	ng/ul	93
93) Benzo(g,h,i)perylene	26.26	276	1471705	15.732	ng/ul	94

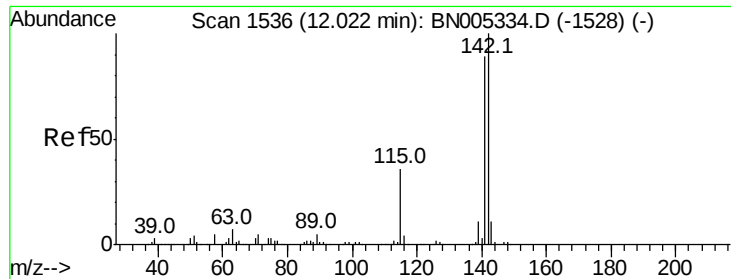
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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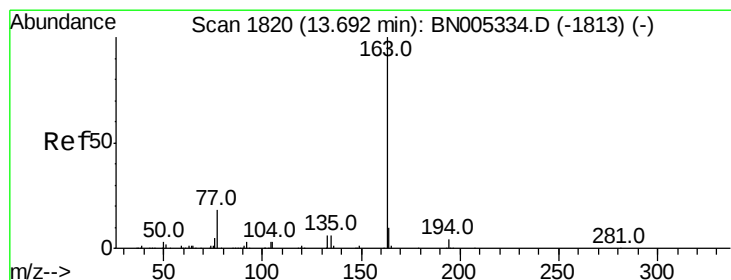
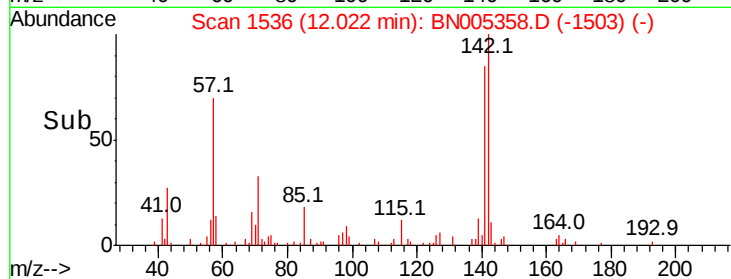
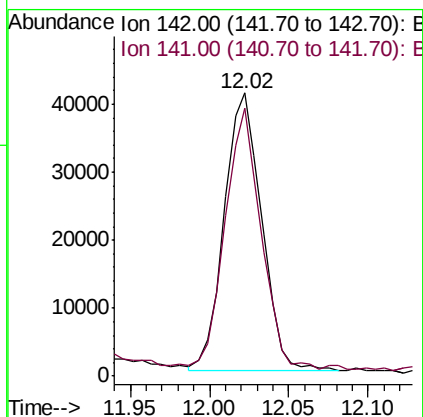
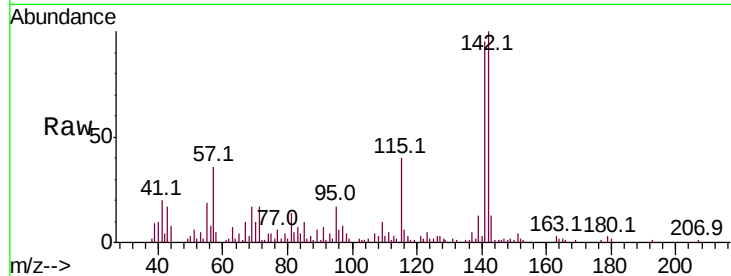




#34
2-Methylnaphthalene
Concen: 1.496 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BN005358.D
Acq: 29 Apr 2019 19:09

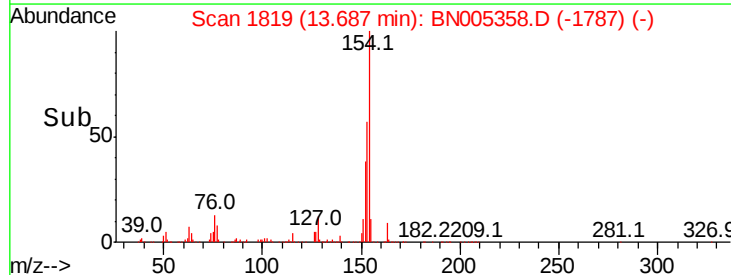
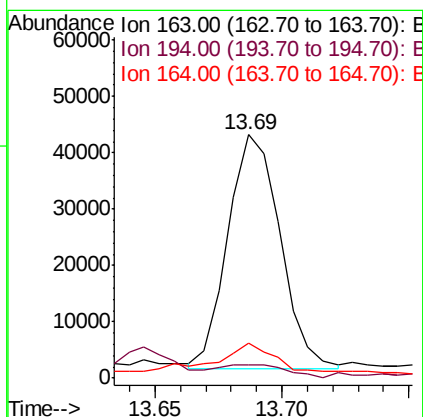
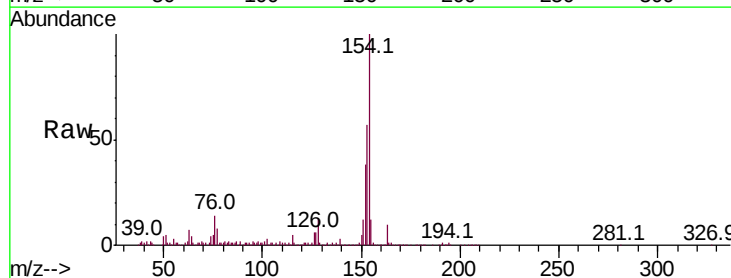
Instrument :
BNA_N
ClientSampleId :

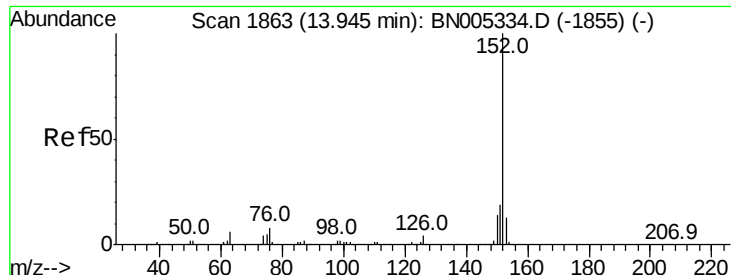
Tot Ion:142 Resp: 66960
Ion Ratio Lower Upper
142 100
141 94.7 72.0 108.0



#44
Dimethylphthalate
Concen: 1.078 ng/ul
RT: 13.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BN005358.D
Acq: 29 Apr 2019 19:09

Tgt Ion:163 Resp: 59950
Ion Ratio Lower Upper
163 100
194 5.3 3.4 5.0#
164 14.2 8.1 12.1#





#47

Acenaphthylene

Concen: 32.586 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

Instrument :

BNA_N

ClientSampleId :

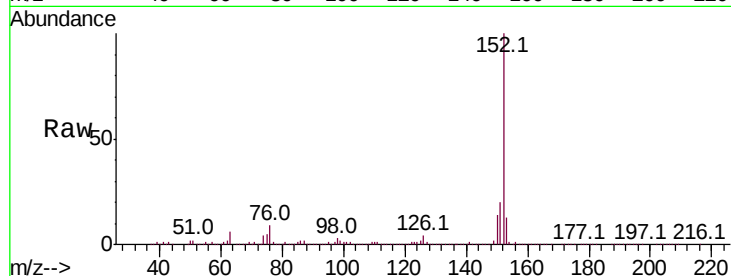
Tot Ion:152 Resp: 2195339

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

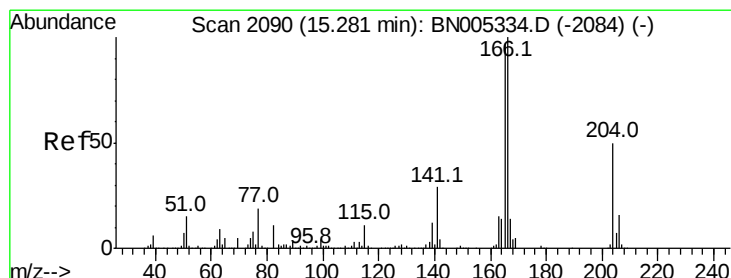
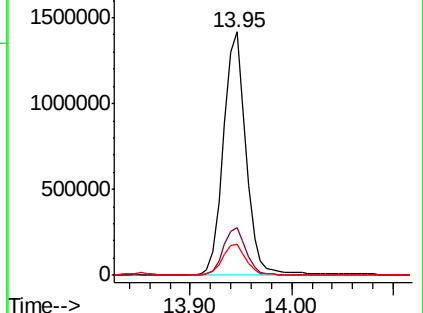
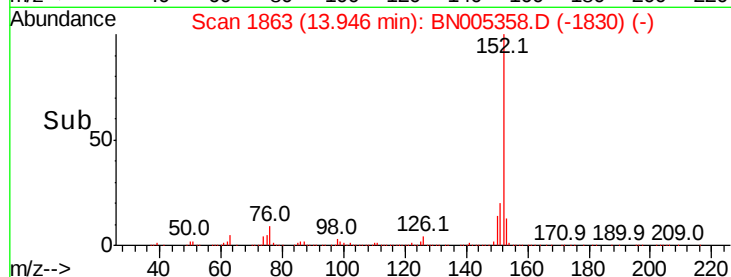
153 12.9 9.8 14.8



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



#58

Fluorene

Concen: 3.650 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

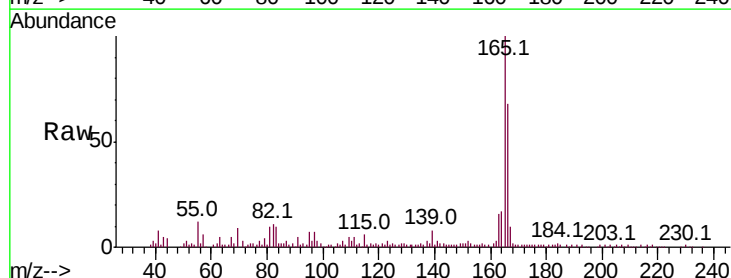
Tgt Ion:166 Resp: 188612

Ion Ratio Lower Upper

166 100

165 146.3 80.0 120.0#

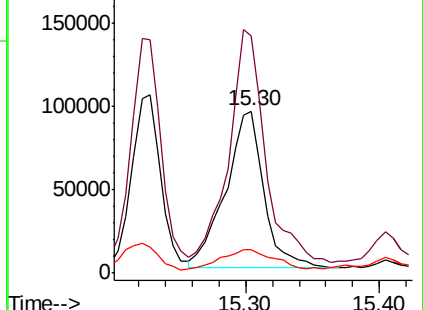
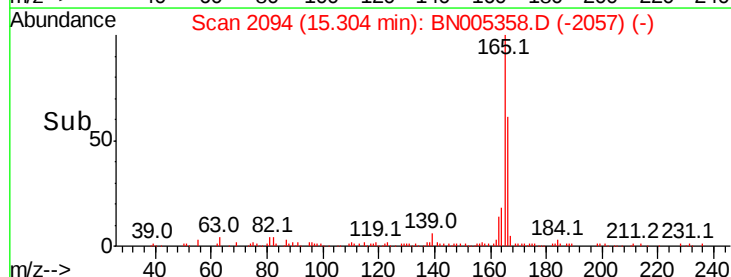
167 14.5 10.7 16.1

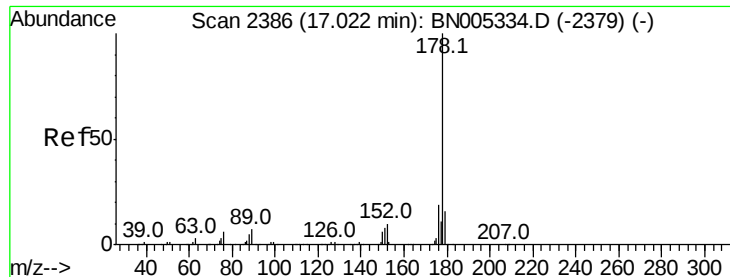


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 7.119 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

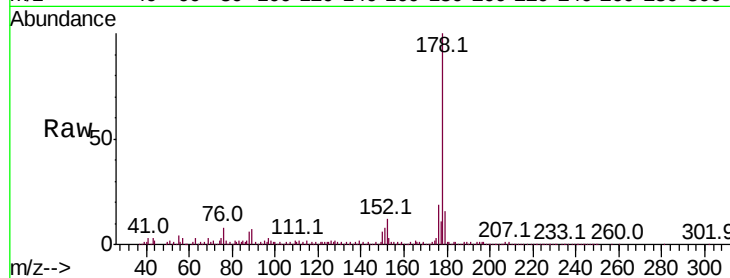
Instrument :

BNA_N

ClientSampled :

Tot Ion:178 Resp: 600199

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.2	18.4
176	18.8	15.1	22.7

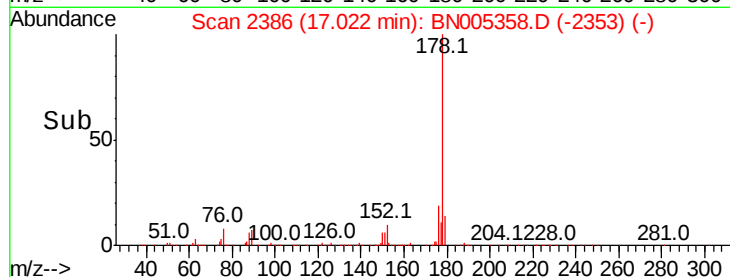


Abundance

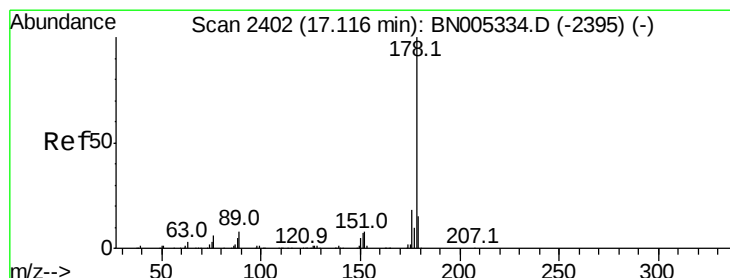
Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 13.101 ng/ul

RT: 17.11 min Scan# 2401

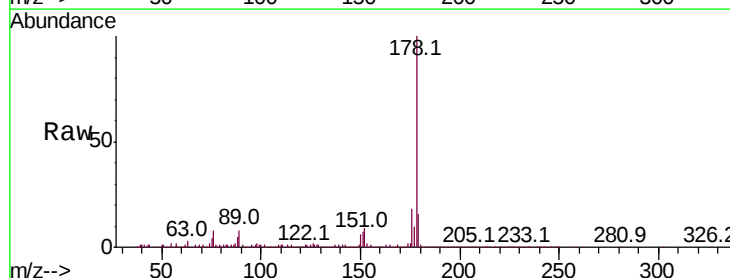
Delta R.T. -0.01 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

Tgt Ion:178 Resp: 1125210

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.3	15.1	22.7

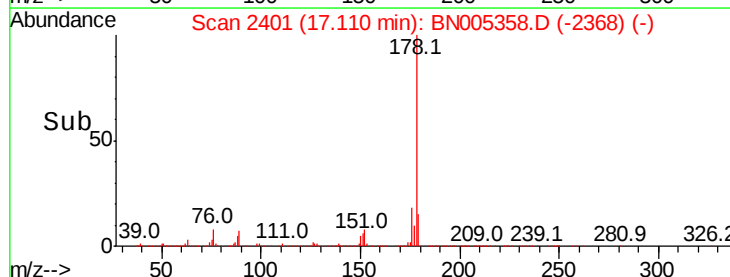


Abundance

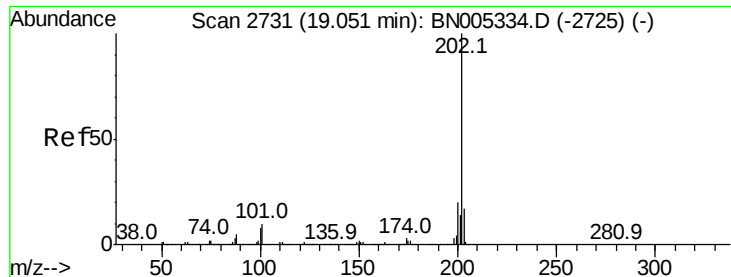
Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



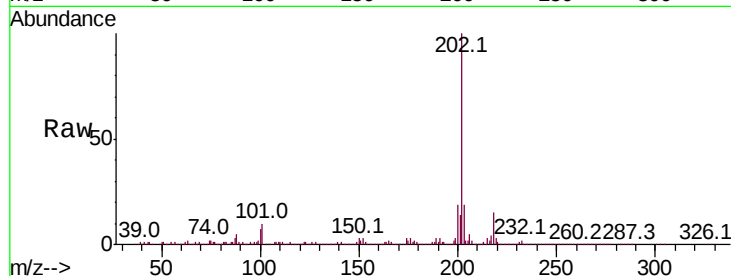
Time-->



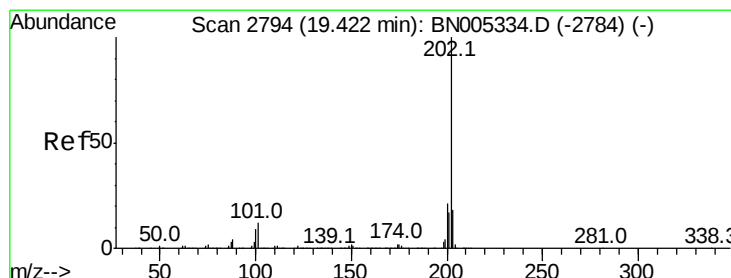
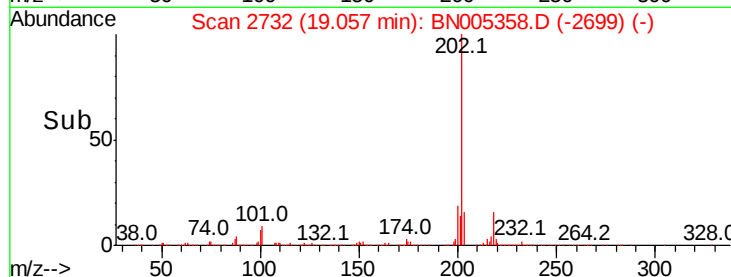
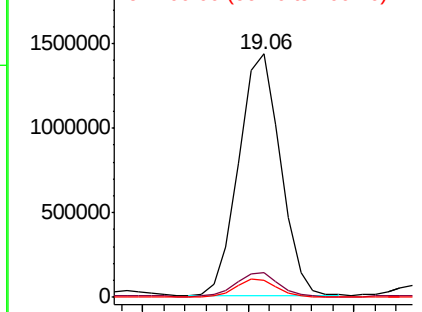
#76
 Fluoranthene
 Concen: 20.929 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.01 min
 Lab File: BN005358.D
 Acq: 29 Apr 2019 19:09

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 1957221
 Ion Ratio Lower Upper
 202 100
 101 10.1 8.6 12.8
 100 7.0 6.3 9.5

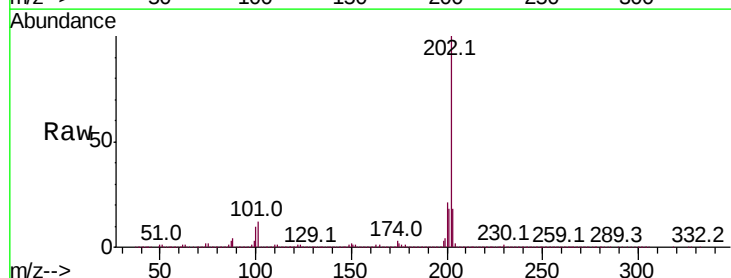


Abundance Ion 202.00 (201.70 to 202.70): E
 2000000 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

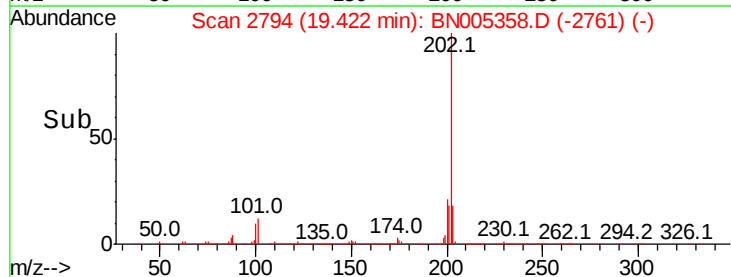
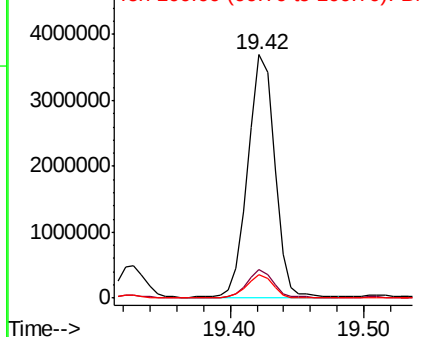


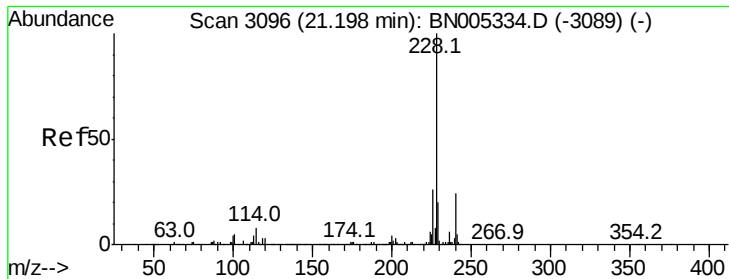
#79
 Pyrene
 Concen: 48.884 ng/ul
 RT: 19.42 min Scan# 2794
 Delta R.T. -0.01 min
 Lab File: BN005358.D
 Acq: 29 Apr 2019 19:09

Tgt Ion:202 Resp: 5104319
 Ion Ratio Lower Upper
 202 100
 101 12.0 10.3 15.5
 100 9.6 7.9 11.9



Abundance Ion 202.00 (201.70 to 202.70): E
 5000000 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 30.447 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.04 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

Instrument :

BNA_N

ClientSampled :

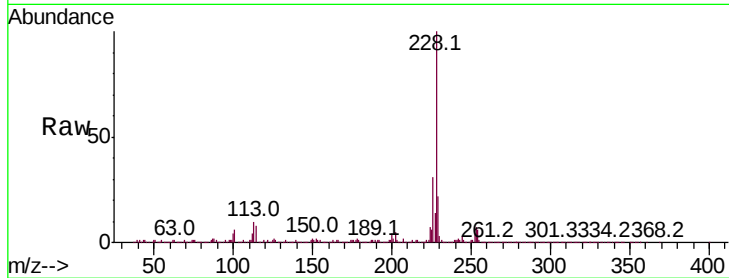
Tot Ion:228 Resp: 3071719

Ion Ratio Lower Upper

228 100

229 21.5 15.8 23.6

226 30.6 21.4 32.2

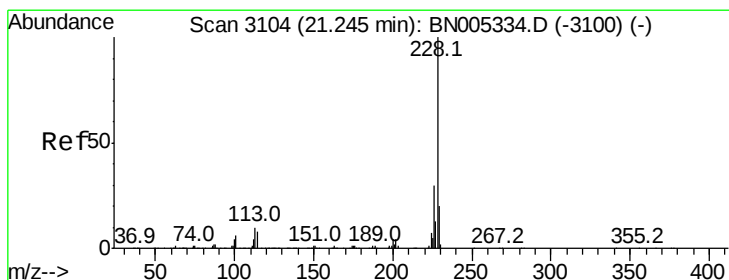
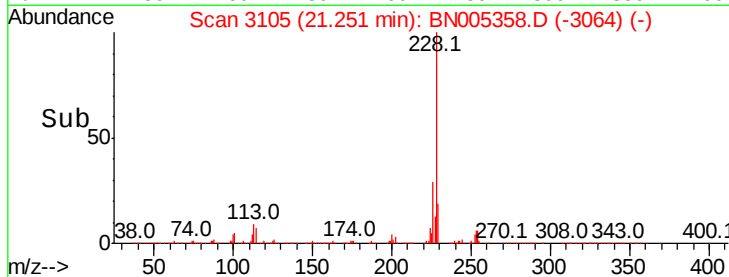
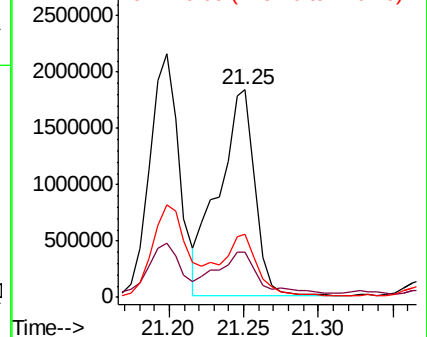


Abundance

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



#84

Chrysene

Concen: 32.806 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

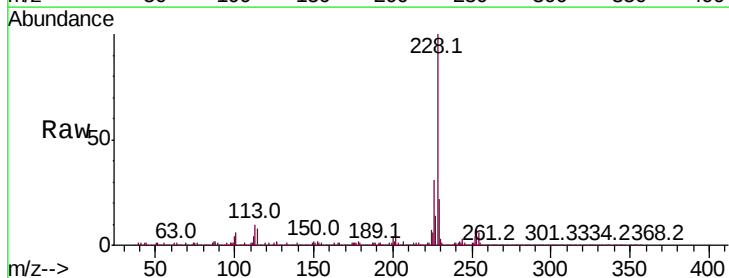
Tgt Ion:228 Resp: 3071719

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

229 21.5 15.4 23.0

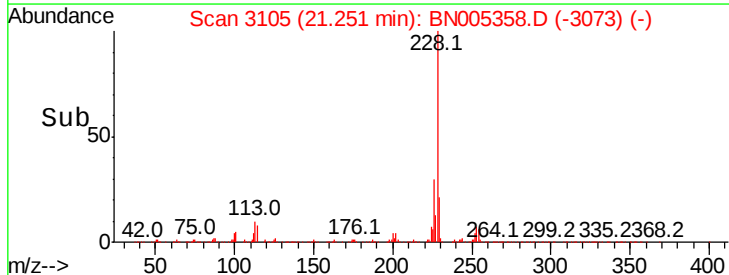
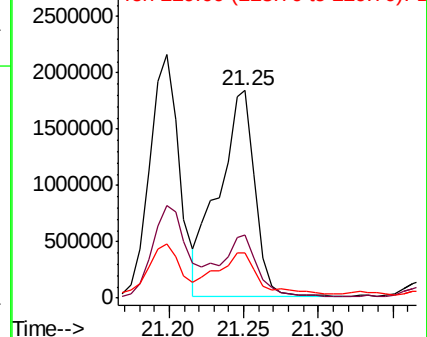


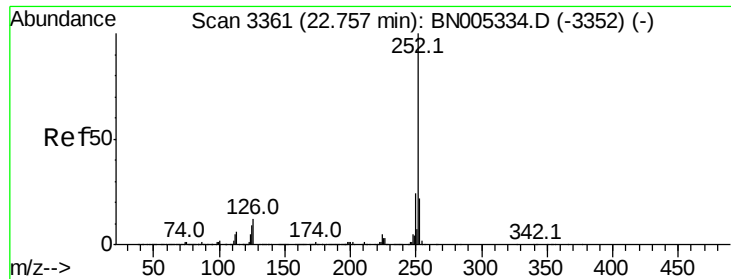
Abundance

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





#87

Benzo(b)fluoranthene

Concen: 32.552 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

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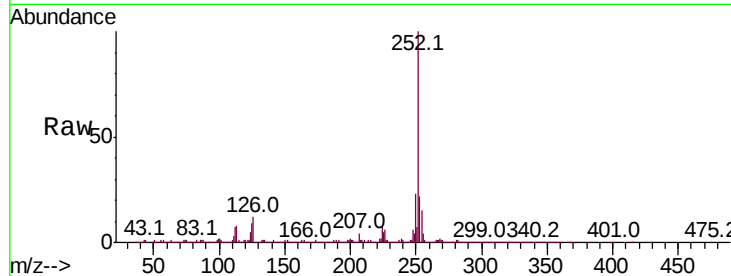
Tot Ion:252 Resp: 3543944

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

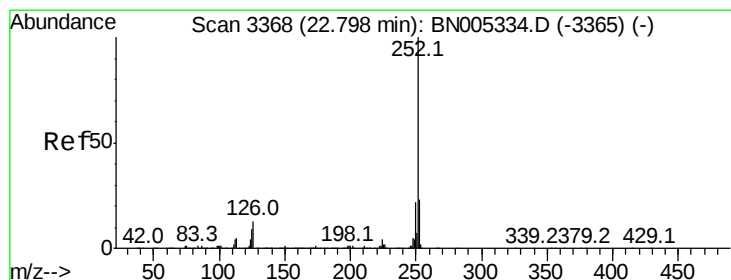
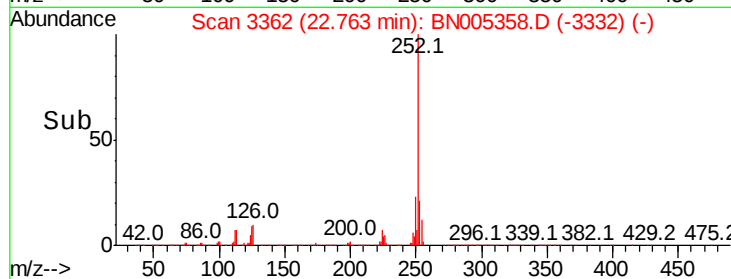
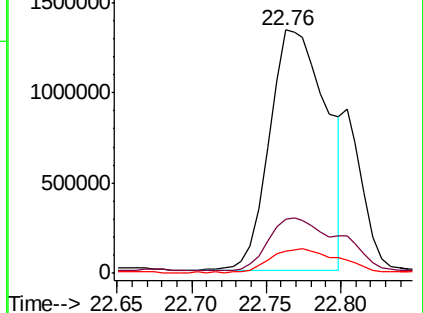
125 9.2 8.4 12.6



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



#88

Benzo(k)fluoranthene

Concen: 34.084 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.06 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

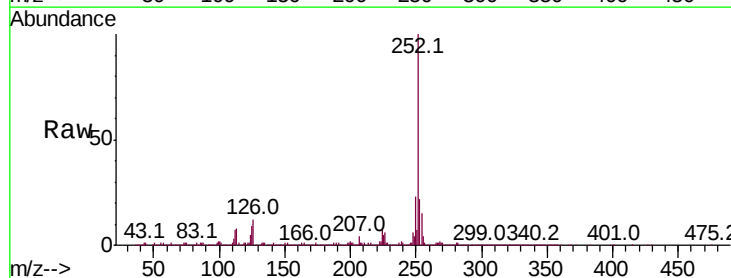
Tgt Ion:252 Resp: 3543944

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

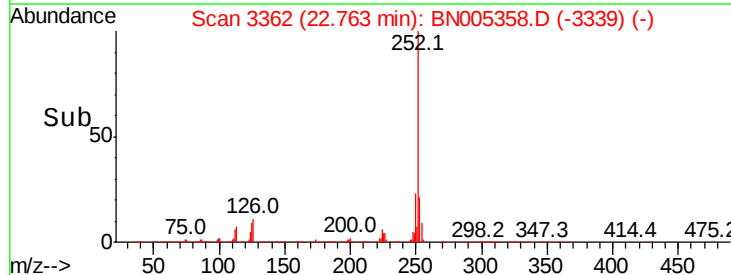
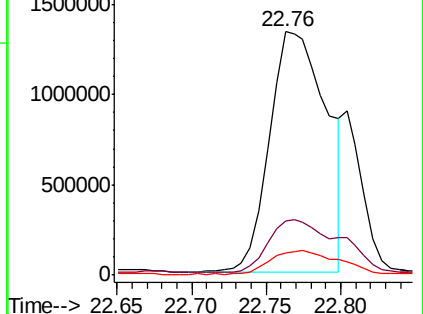
125 9.2 7.5 11.3

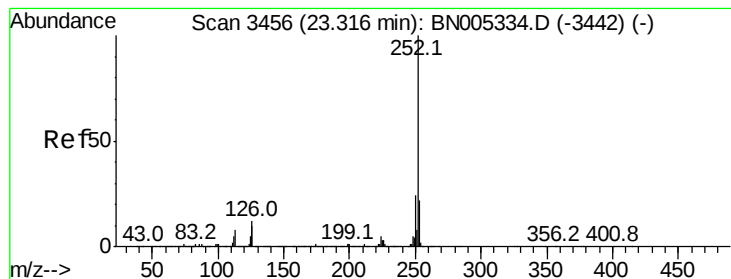


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 34.408 ng/ul

RT: 23.32 min Scan# 3457

Delta R.T. -0.02 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

Instrument :

BNA_N

ClientSampleId :

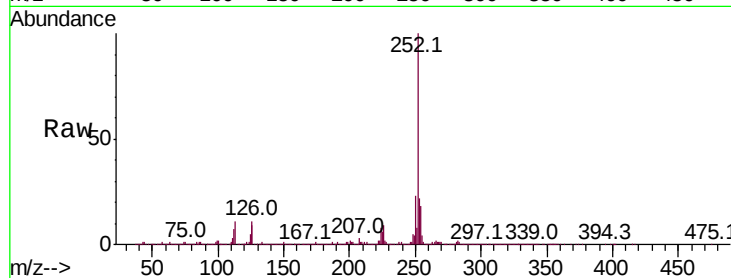
Tot Ion:252 Resp: 3521109

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

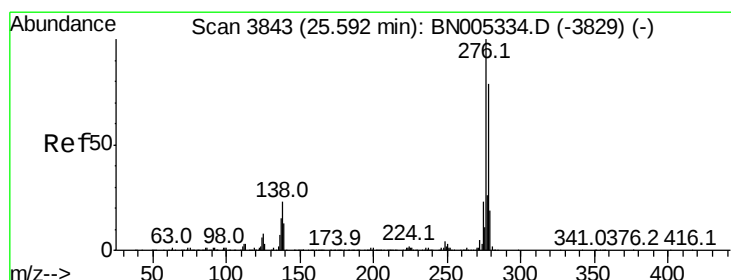
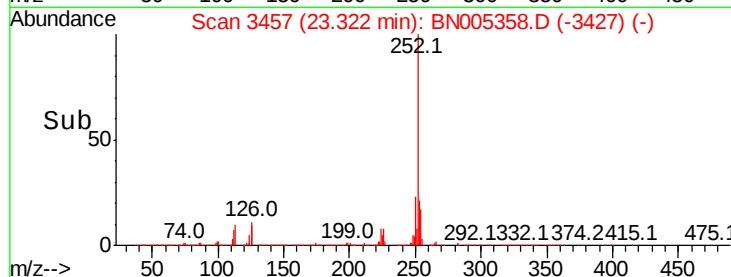
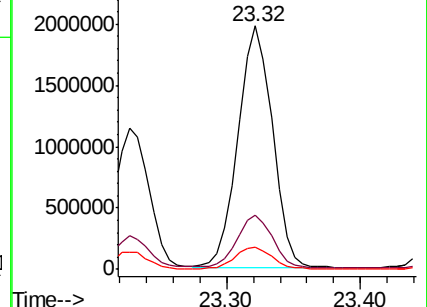
125 9.0 8.6 13.0



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 14.986 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.03 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

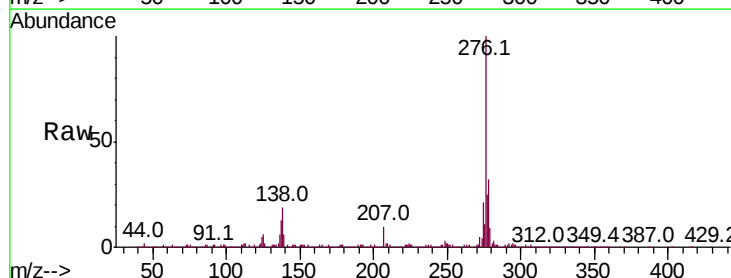
Tgt Ion:276 Resp: 1695518

Ion Ratio Lower Upper

276 100

138 18.7 17.9 26.9

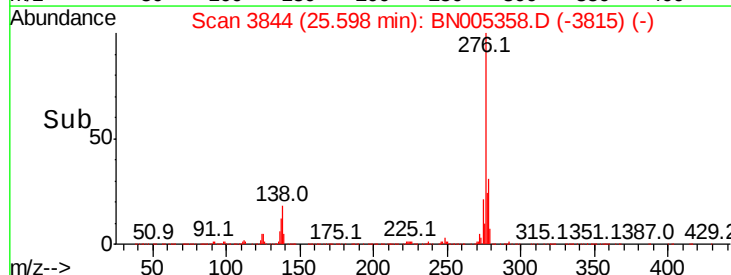
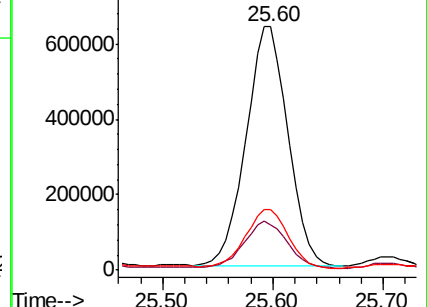
277 25.0 19.7 29.5

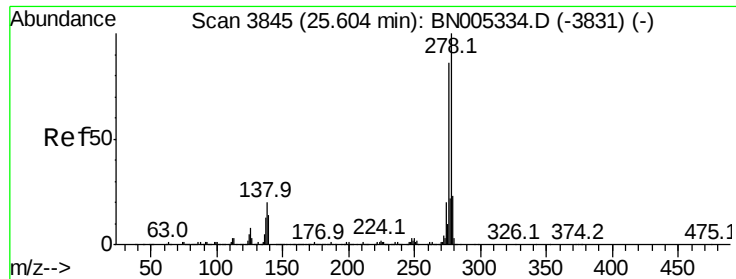


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 6.353 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.04 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

Instrument :

BNA_N

ClientSampleId :

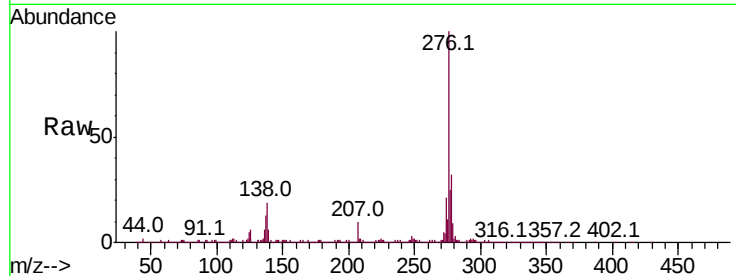
Tot Ion:278 Resp: 610042

Ion Ratio Lower Upper

278 100

139 18.7 13.1 19.7

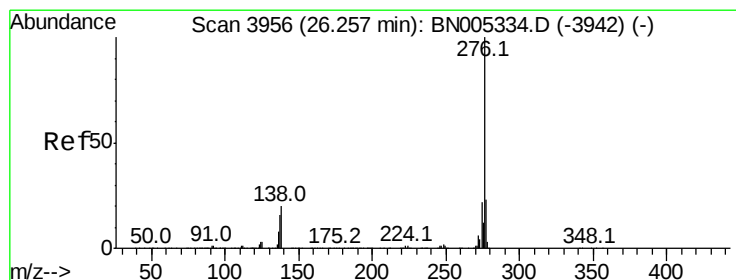
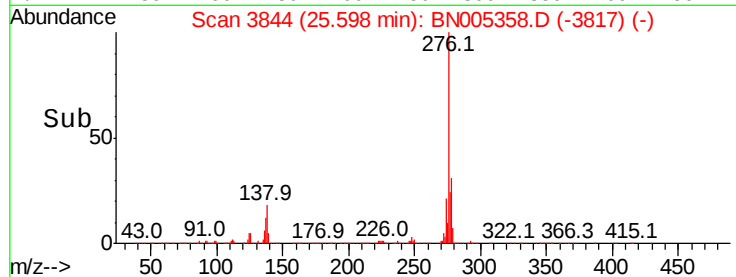
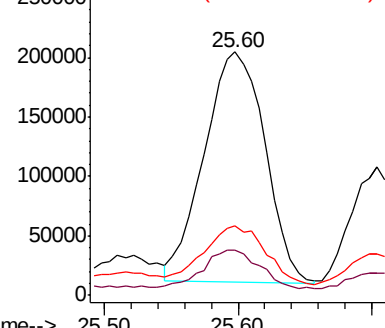
279 28.6 19.4 29.0



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



#93

Benzo(g,h,i)perylene

Concen: 15.732 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.03 min

Lab File: BN005358.D

Acq: 29 Apr 2019 19:09

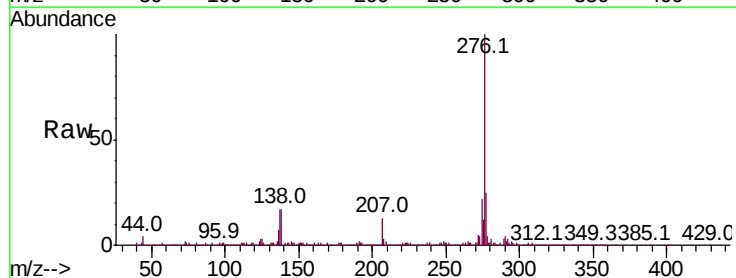
Tgt Ion:276 Resp: 1471705

Ion Ratio Lower Upper

276 100

138 16.9 16.7 25.1

277 24.8 18.2 27.2



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

