

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
 Data File : BN005342.D
 Acq On : 27 Apr 2019 06:16
 Operator : JU/SJ
 Sample : K2481-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 29 02:22:55 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	458583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1963735	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1170648	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2620614	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1926656	20.00	ng/ul	-0.01
85) Perylene-d12	23.29	264	1767615	20.00	ng/ul	-0.15

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	23756	2.50	ng/uL	0.00
5) Phenol-d5	6.78	99	621760	17.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	350115	15.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	494766	17.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	513498	18.24	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	259813	21.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	299286	24.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	559523	19.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	348776	12.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1718278	20.22	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2115602	20.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	274333	20.45	ng/ul	0.00
57) Fluorene-d10	15.23	176	1487865	20.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	157236	13.34	ng/ul	0.00
70) Anthracene-d10	17.08	188	2347541	21.37	ng/ul	0.00
78) Pyrene-d10	19.40	212	2356421	23.91	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	1766349	22.87	ng/ul	-0.02

Target Compounds

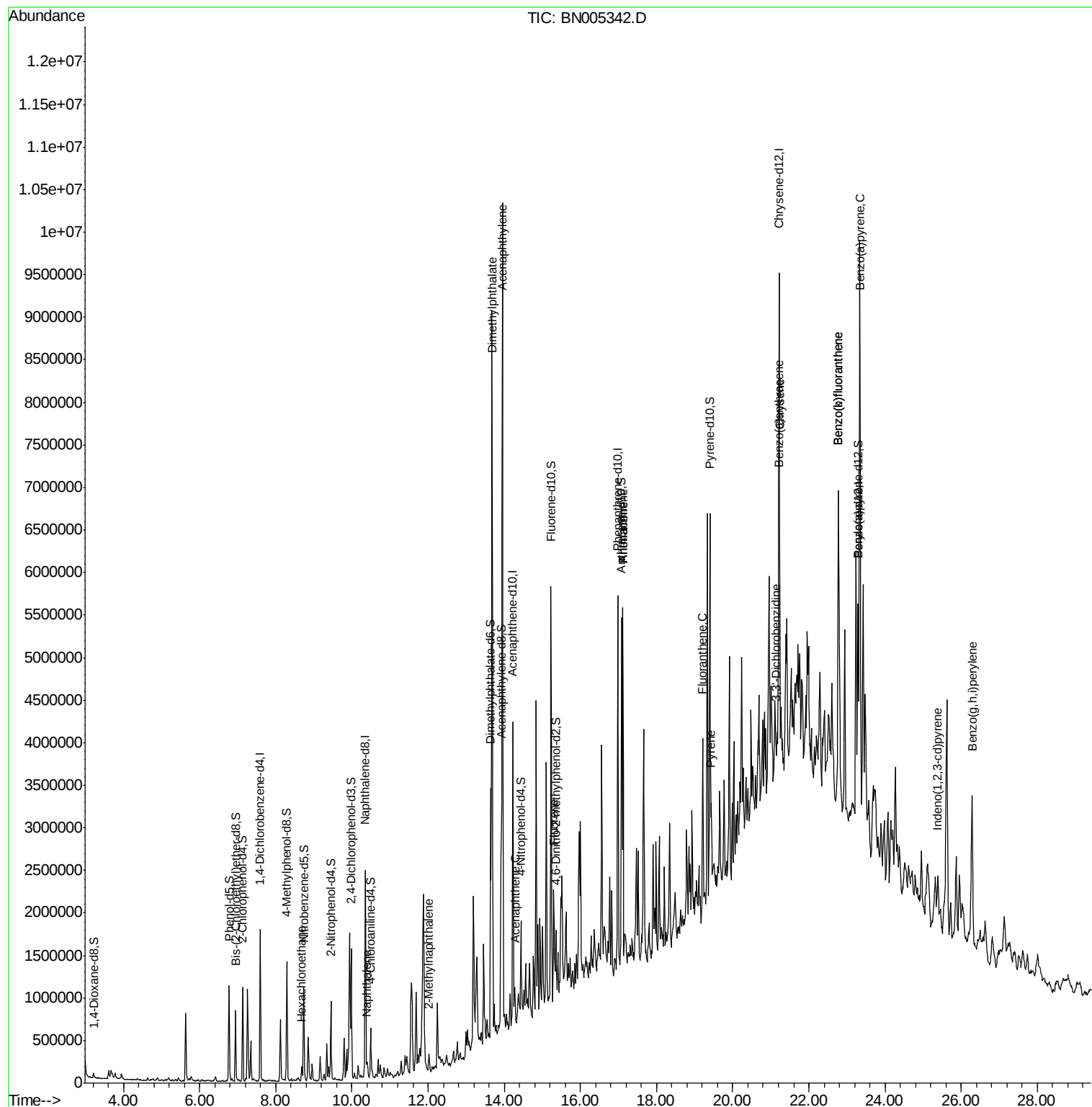
					Ovalue	
17) Hexachloroethane	8.68	117	71554	5.782	ng/ul#	6
28) Naphthalene	10.40	128	134520	1.474	ng/ul#	95
34) 2-Methylnaphthalene	12.02	142	87574	1.310	ng/ul	96
44) Dimethylphthalate	13.69	163	359601	4.247	ng/ul	99
47) Acenaphthylene	13.95	152	7021144	68.451	ng/ul	98
49) Acenaphthene	14.29	153	79844	1.140	ng/ul#	85
58) Fluorene	15.30	166	471468	5.993	ng/ul#	58
69) Phenanthrene	17.12	178	2672731	20.942	ng/ul	99
71) Anthracene	17.12	178	2672731	20.557	ng/ul	99
76) Fluoranthene	19.21	202	864272	6.105	ng/ul	99
79) Pyrene	19.43	202	453466	3.655	ng/ul	98
81) 3,3'-Dichlorobenzidine	21.15	252	34845	0.905	ng/ul#	38
82) Benzo(a)anthracene	21.20	228	298487	2.490	ng/ul#	1
84) Chrysene	21.23	228	733200	6.591	ng/ul#	75
87) Benzo(b)fluoranthene	22.77	252	3565309	35.882	ng/ul	98
88) Benzo(k)fluoranthene	22.77	252	3757764	39.598	ng/ul	97
90) Benzo(a)pyrene	23.34	252	4606863	49.326	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.38	276	283814	2.749	ng/ul	95
93) Benzo(g,h,i)perylene	26.29	276	1716358	20.102	ng/ul	96

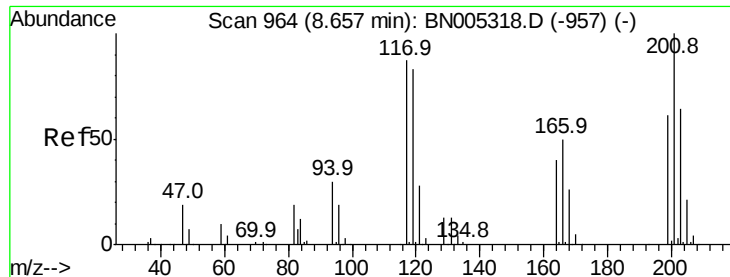
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration





#17

Hexachloroethane

Concen: 5.782 ng/ul

RT: 8.68 min Scan# 968

Delta R.T. 0.02 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

Instrument :

BNA_N

ClientSampled :

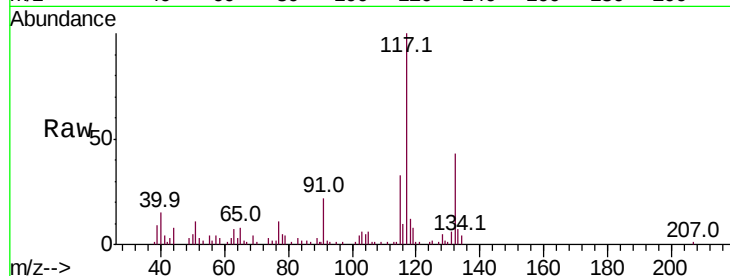
Tot Ion:117 Resp: 71554

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

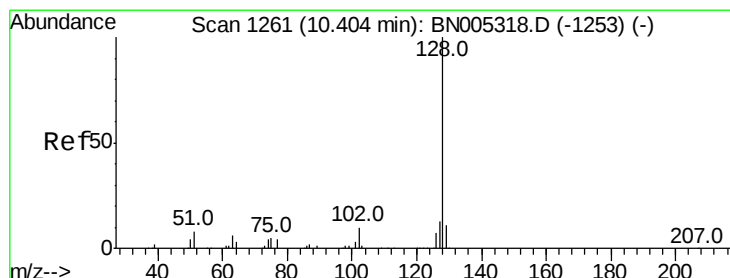
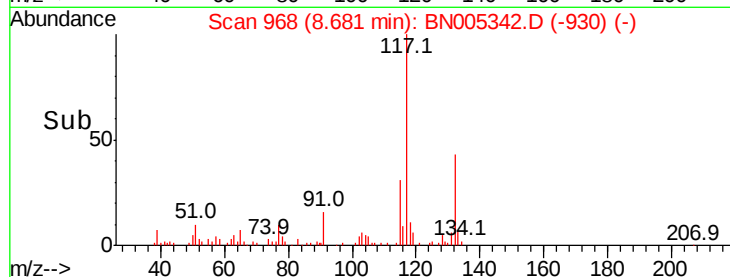
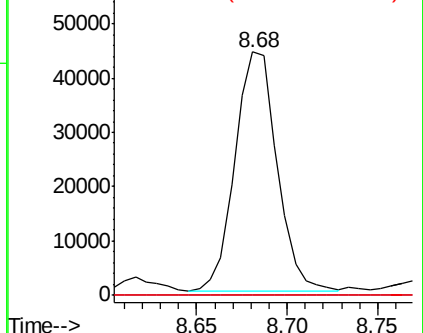
199 0.0 51.2 76.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 1.474 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

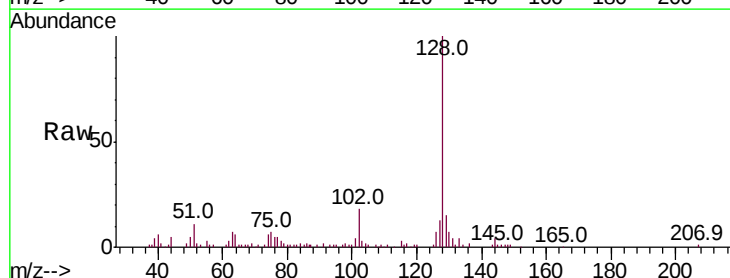
Tgt Ion:128 Resp: 134520

Ion Ratio Lower Upper

128 100

129 15.3 9.2 13.8#

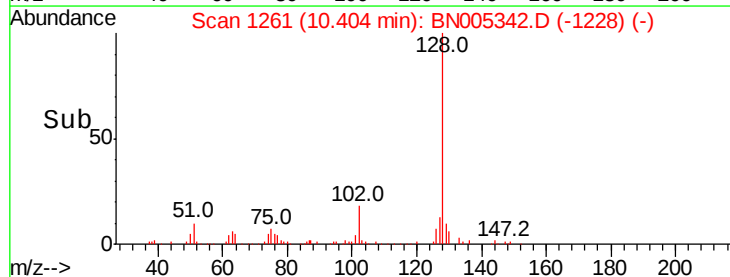
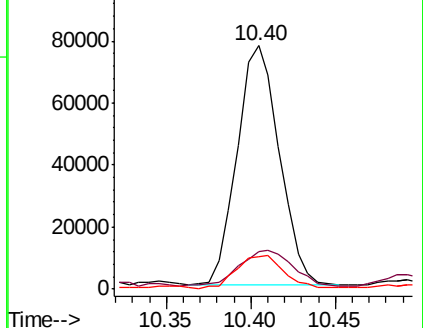
127 13.2 10.7 16.1

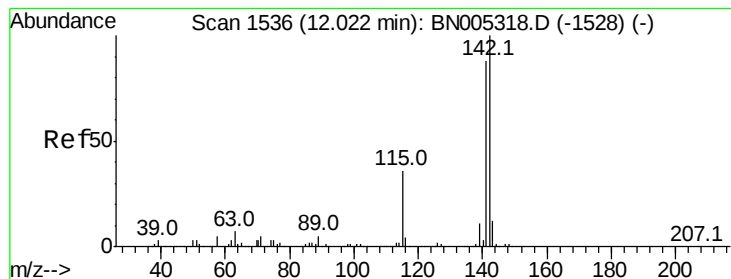


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 1.310 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

Instrument :

BNA_N

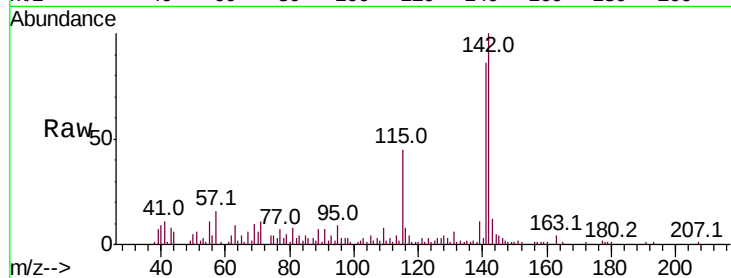
ClientSampleId :

Tot Ion:142 Resp: 87574

Ion Ratio Lower Upper

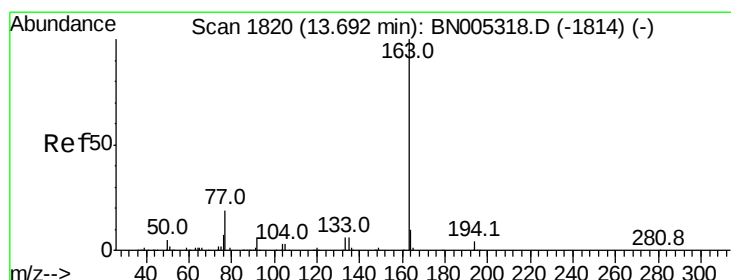
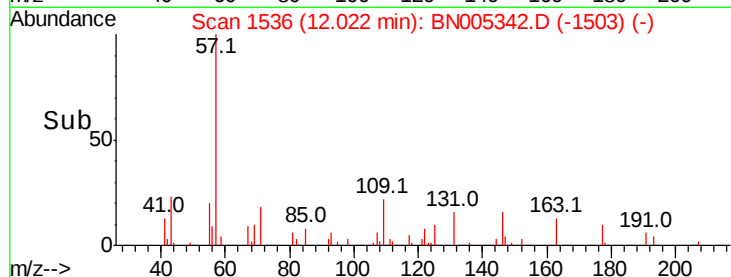
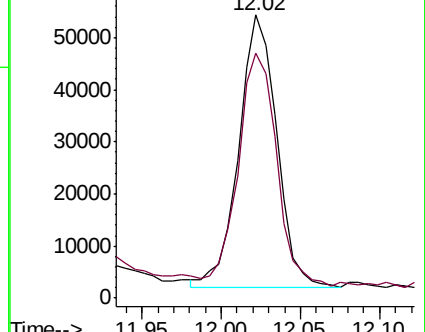
142 100

141 86.4 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 4.247 ng/ul

RT: 13.69 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

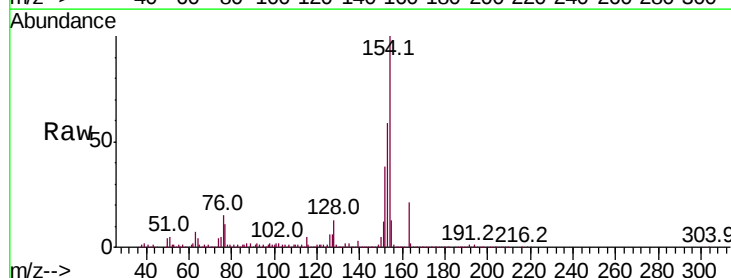
Tgt Ion:163 Resp: 359601

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

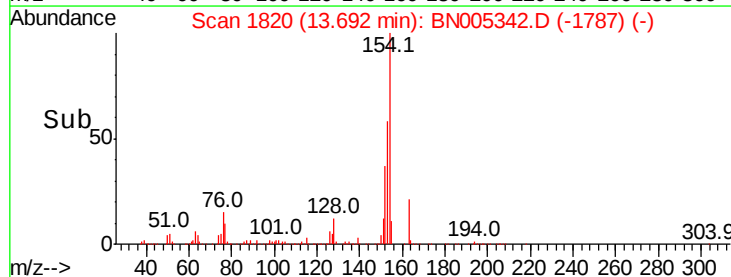
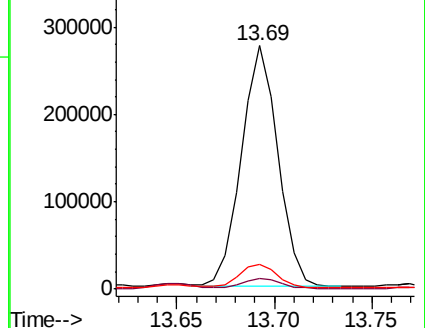
164 10.3 8.1 12.1

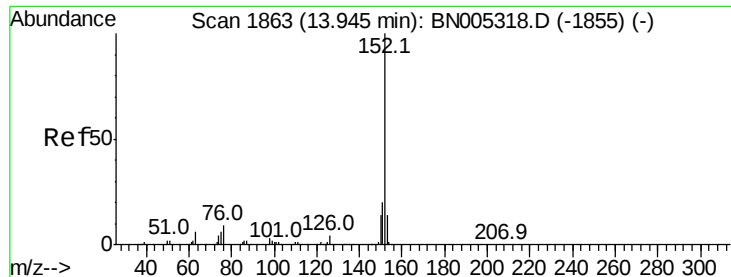


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 68.451 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

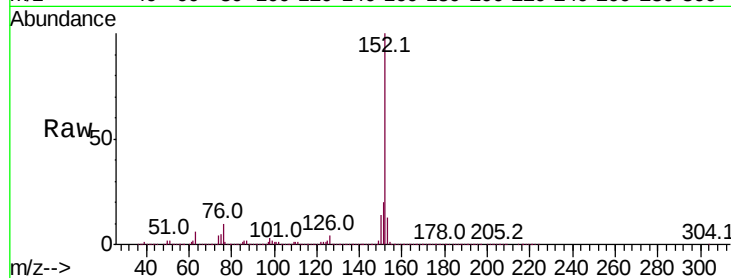
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 7021144

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	13.4	9.8	14.8

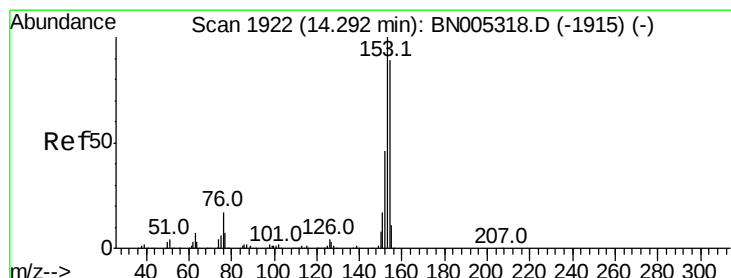
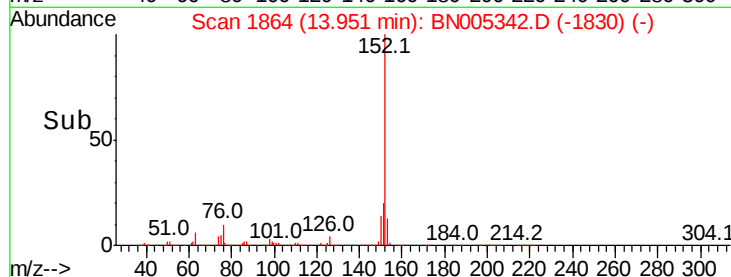
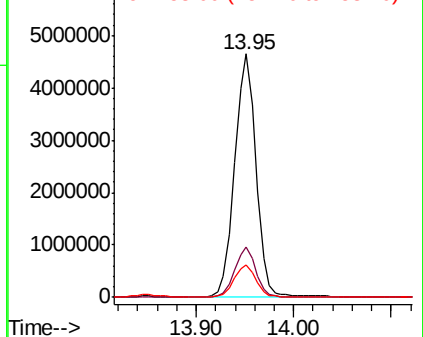


Abundance

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



#49

Acenaphthene

Concen: 1.140 ng/ul

RT: 14.29 min Scan# 1921

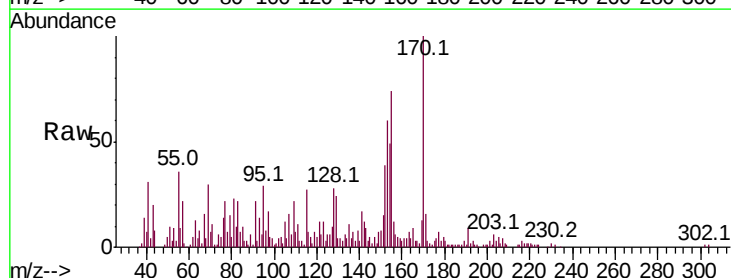
Delta R.T. -0.01 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

Tgt Ion:153 Resp: 79844

Ion	Ratio	Lower	Upper
153	100		
152	65.2	37.4	56.0#
154	81.8	71.2	106.8

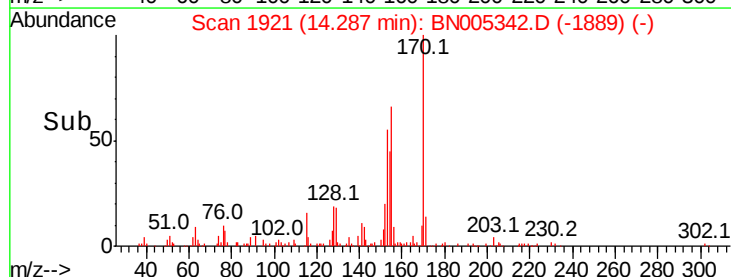
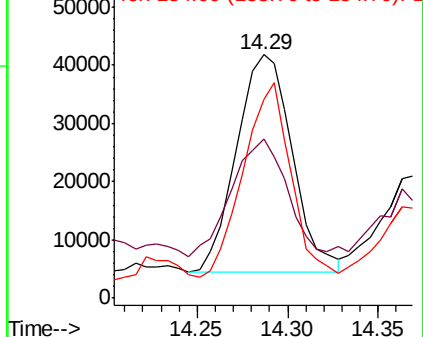


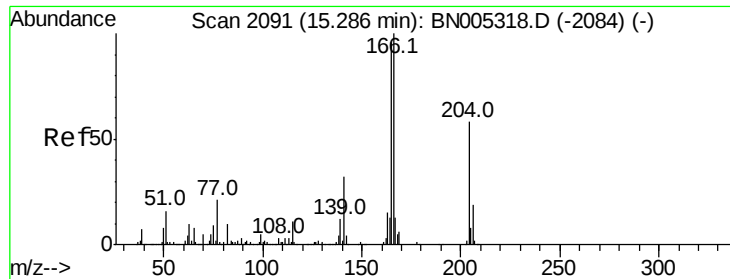
Abundance

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





#58

Fluorene

Concen: 5.993 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

Instrument :

BNA_N

ClientSampleId :

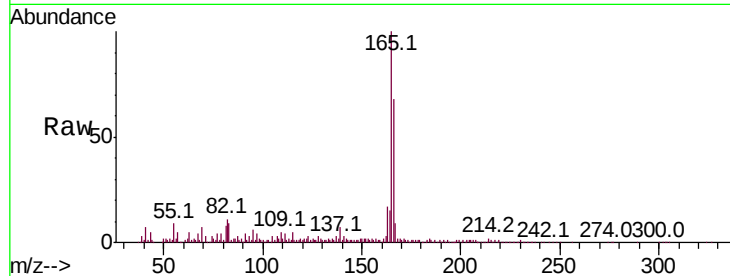
Tot Ion:166 Resp: 471468

Ion Ratio Lower Upper

166 100

165 147.6 80.0 120.0#

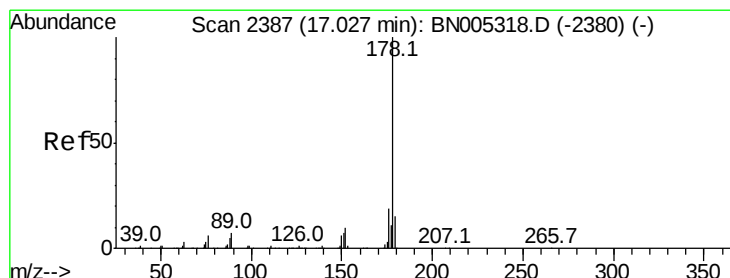
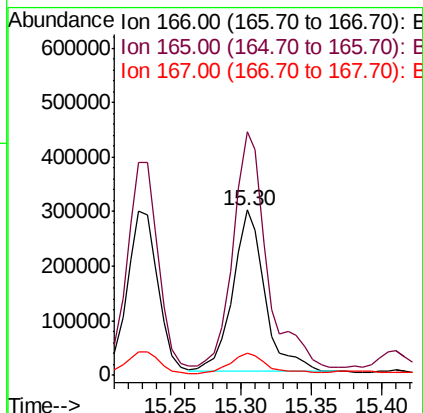
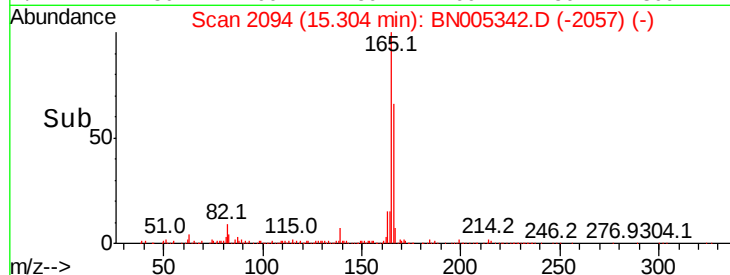
167 13.5 10.7 16.1



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: 20.942 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.09 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

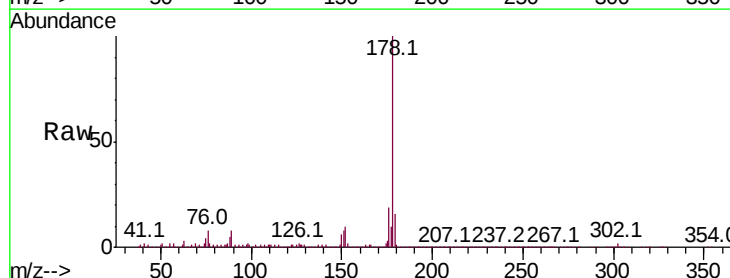
Tgt Ion:178 Resp: 2672731

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

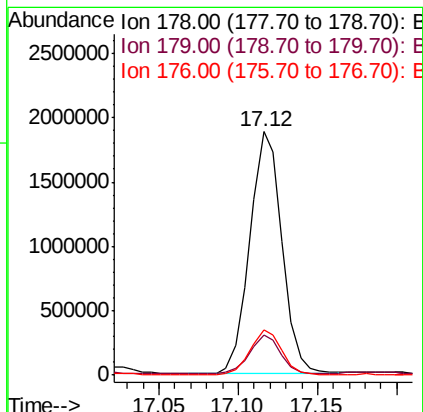
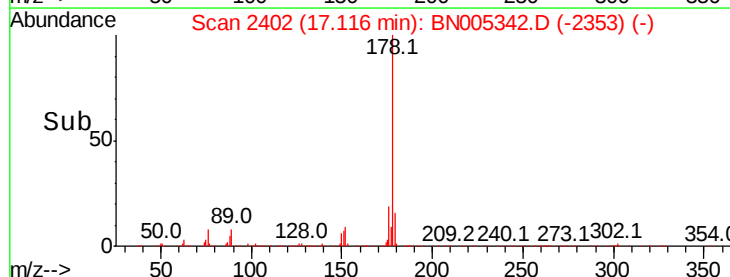
176 18.7 15.1 22.7

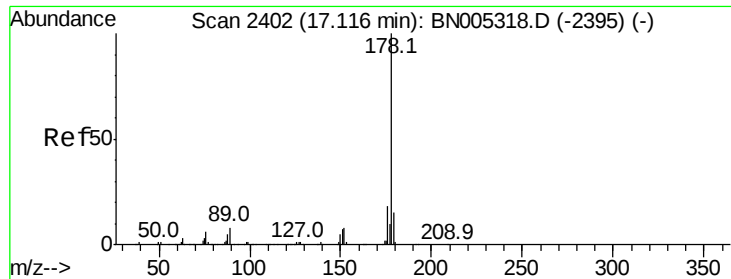


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

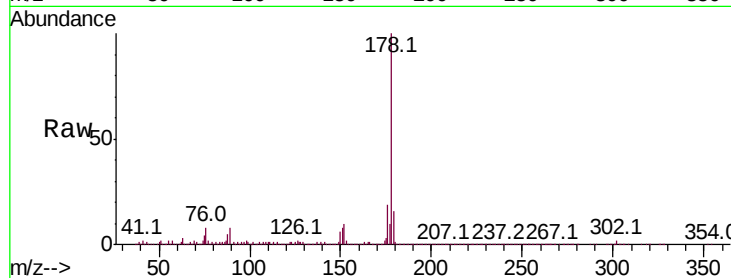




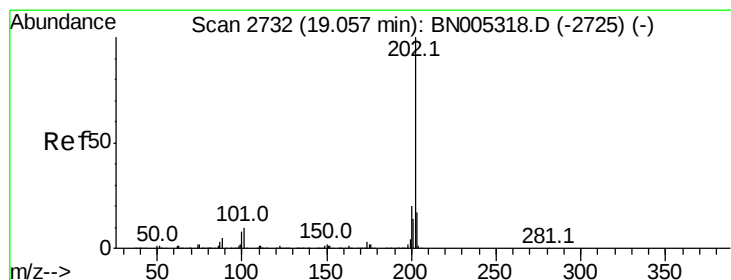
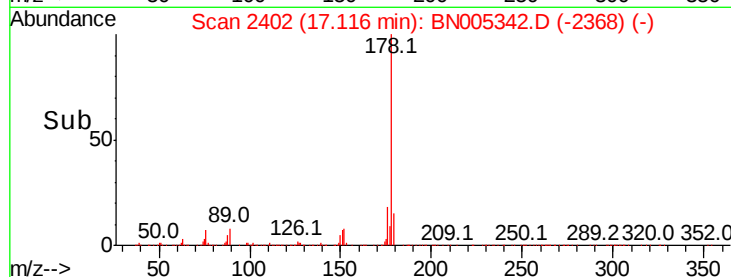
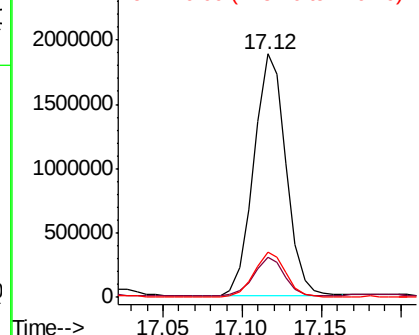
#71
 Anthracene
 Concen: 20.557 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BN005342.D
 Acq: 27 Apr 2019 06:16

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:178 Resp: 2672731
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.3 18.5
 176 18.7 15.1 22.7

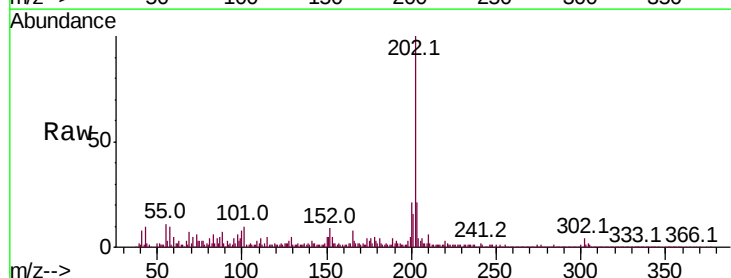


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

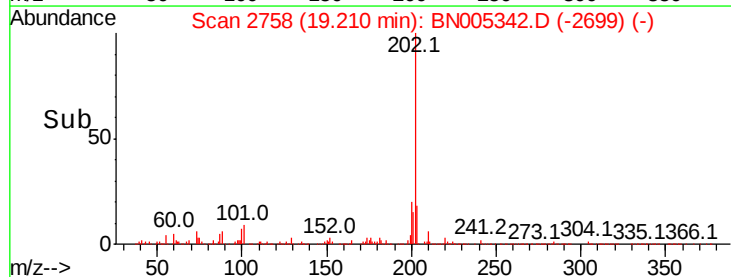
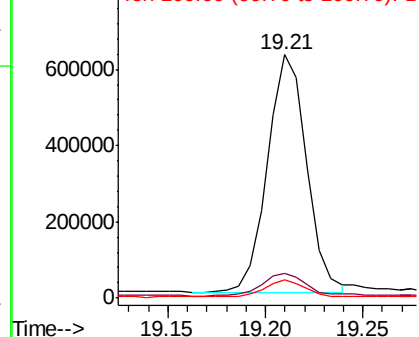


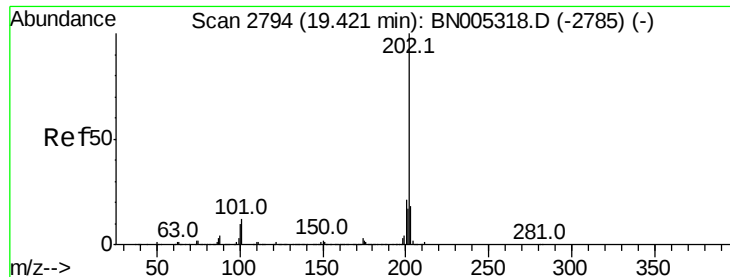
#76
 Fluoranthene
 Concen: 6.105 ng/ul
 RT: 19.21 min Scan# 2758
 Delta R.T. 0.15 min
 Lab File: BN005342.D
 Acq: 27 Apr 2019 06:16

Tgt Ion:202 Resp: 864272
 Ion Ratio Lower Upper
 202 100
 101 10.3 8.6 12.8
 100 7.6 6.3 9.5



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

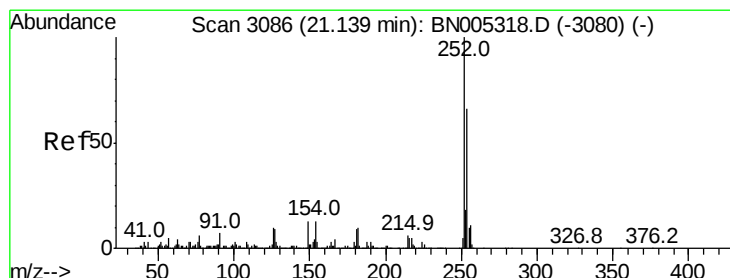
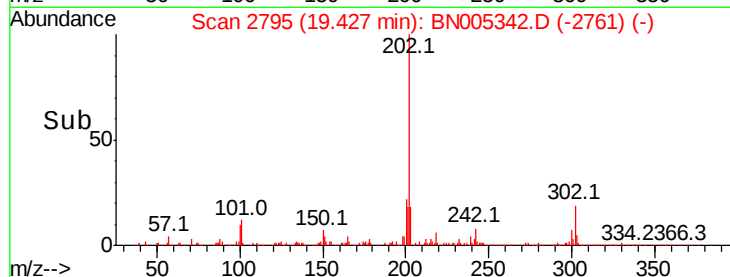
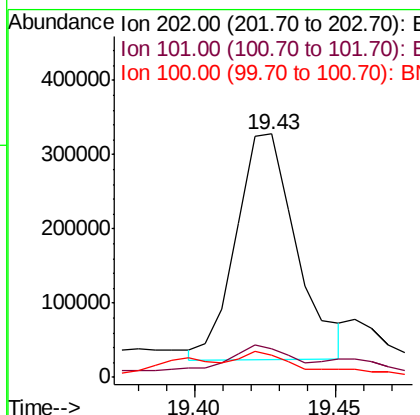
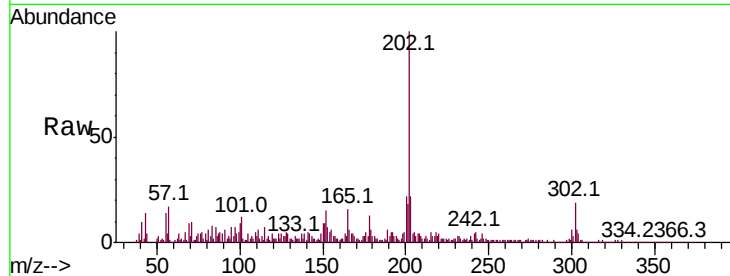




#79
Pvrene
Concen: 3.655 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005342.D
Acq: 27 Apr 2019 06:16

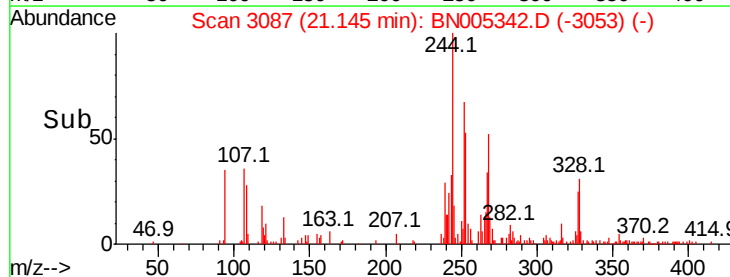
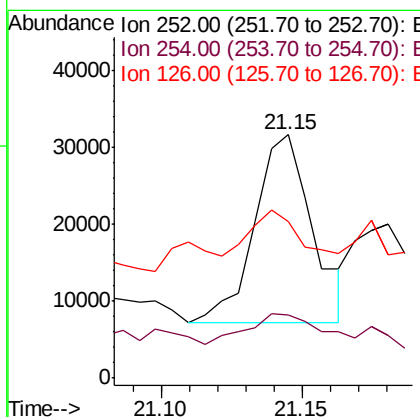
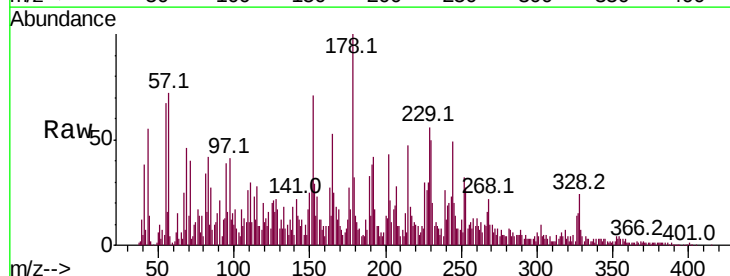
Instrument :
BNA_N
ClientSampleId :

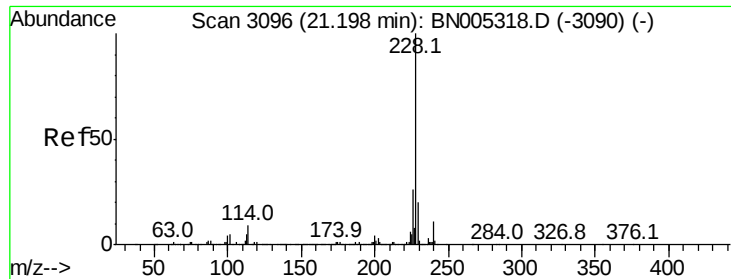
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	10.3	15.5
100	9.2	7.9	11.9



#81
3,3'-Dichlorobenzidine
Concen: 0.905 ng/ul
RT: 21.15 min Scan# 3087
Delta R.T. 0.00 min
Lab File: BN005342.D
Acq: 27 Apr 2019 06:16

Tgt Ion	Ratio	Lower	Upper
252	100		
254	25.7	51.1	76.7#
126	64.3	9.4	14.0#





#82

Benzo(a)anthracene

Concen: 2.490 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

Instrument :

BNA_N

ClientSampleId :

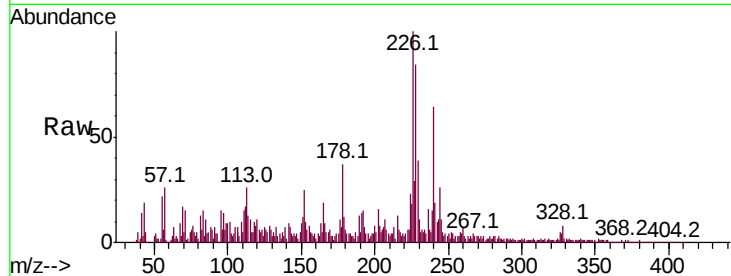
Tot Ion:228 Resp: 298487

Ion Ratio Lower Upper

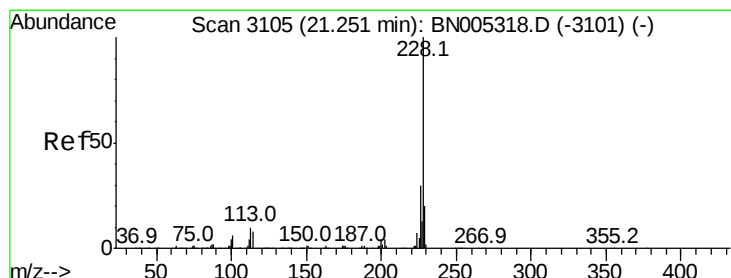
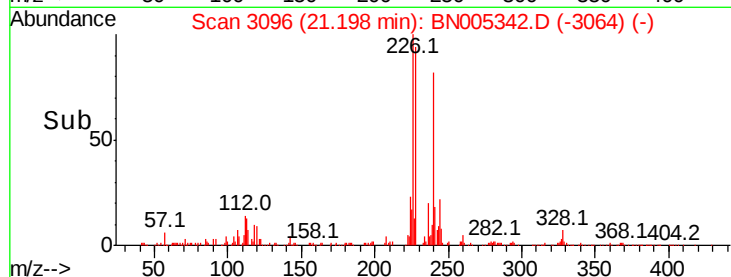
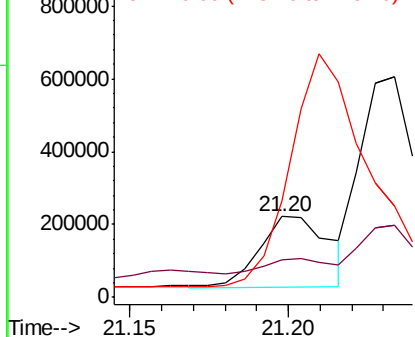
228 100

229 46.8 15.8 23.6#

226 119.0 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: 6.591 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. -0.03 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

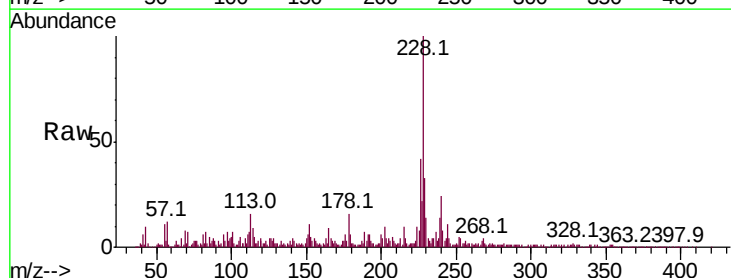
Tgt Ion:228 Resp: 733200

Ion Ratio Lower Upper

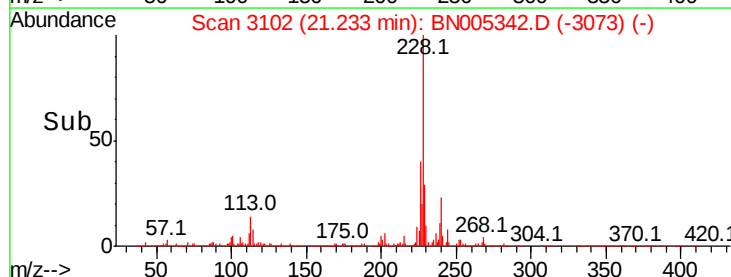
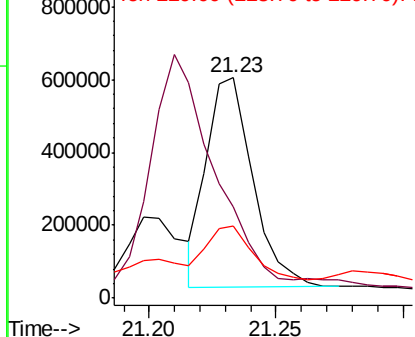
228 100

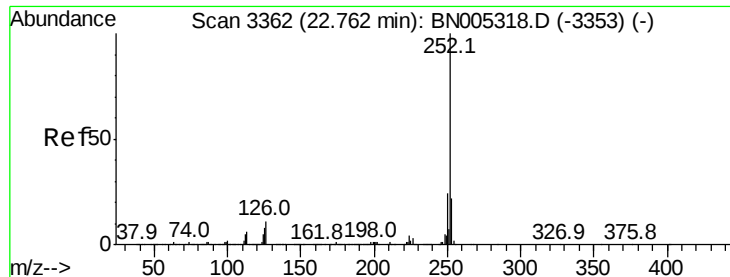
226 41.6 24.0 36.0#

229 32.9 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: 35.882 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

Instrument :

BNA_N

ClientSampleId :

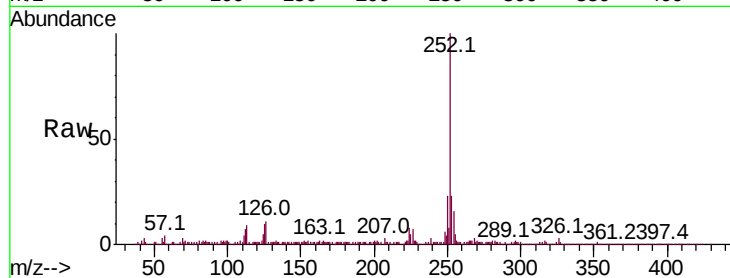
Tot Ion:252 Resp: 3565309

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

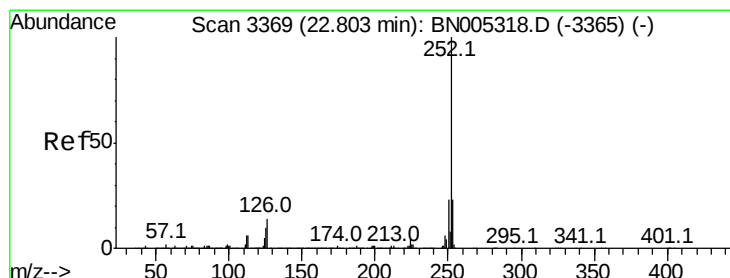
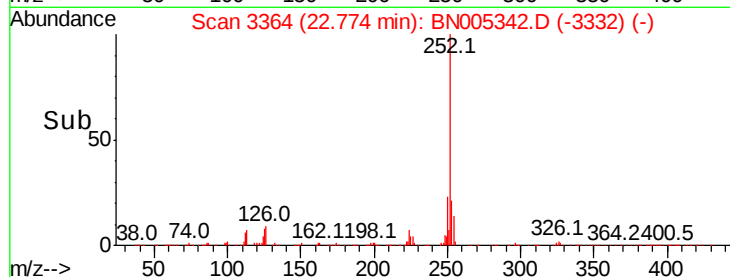
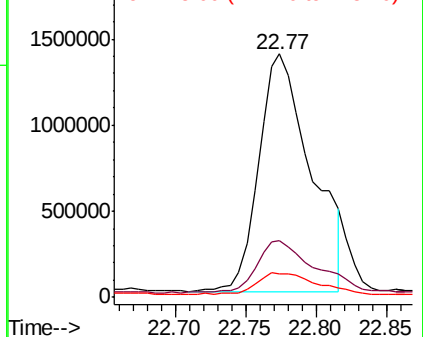
125 9.8 8.4 12.6



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: 39.598 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.05 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

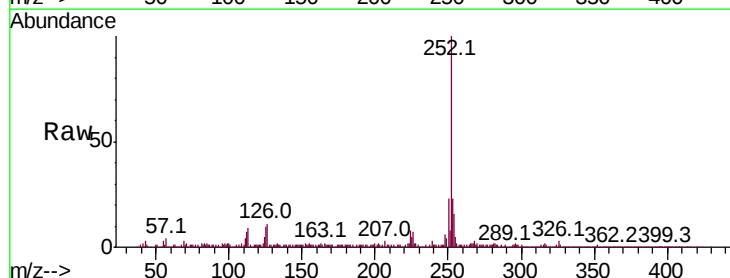
Tgt Ion:252 Resp: 3757764

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

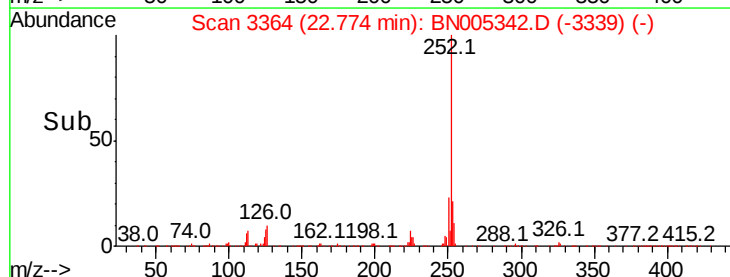
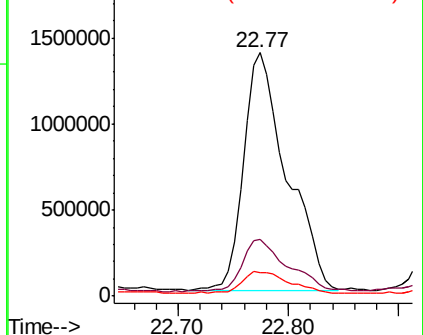
125 9.8 7.5 11.3

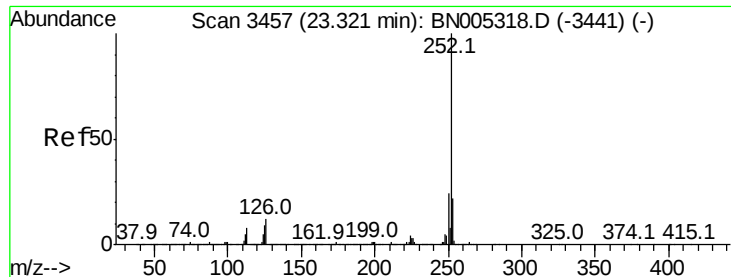


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

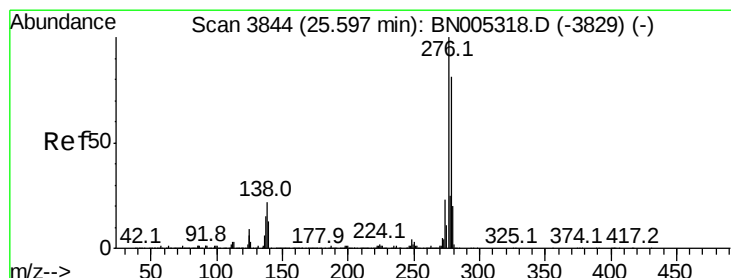
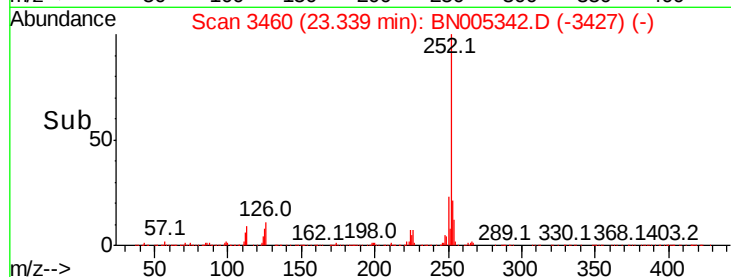
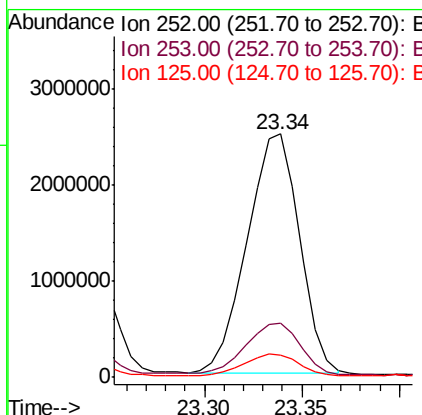
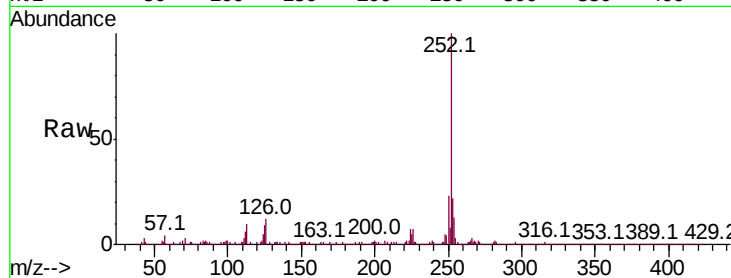




#90
Benzo(a)pyrene
Concen: 49.326 ng/ul
RT: 23.34 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BN005342.D
Acq: 27 Apr 2019 06:16

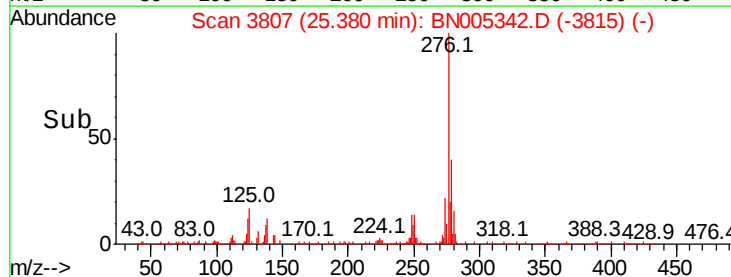
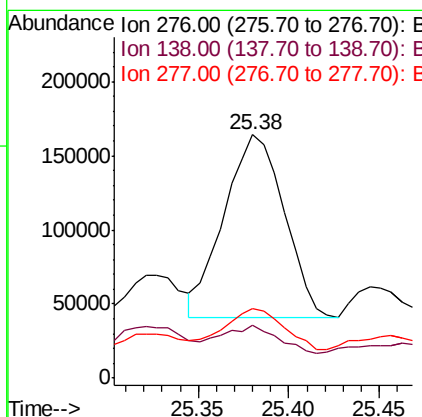
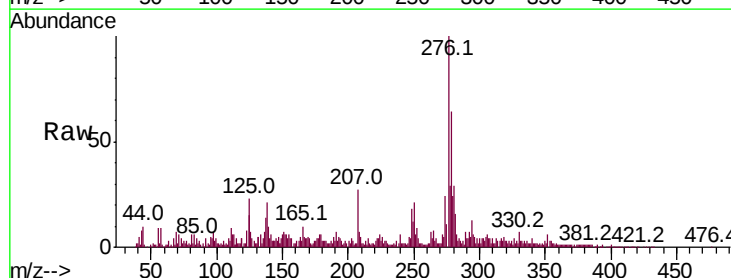
Instrument :
BNA_N
ClientSampleId :

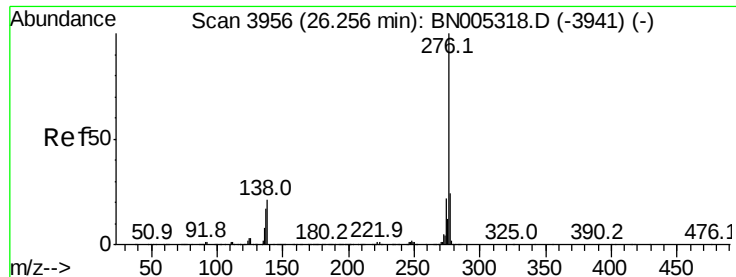
Tot Ion:252 Resp: 4606863
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 9.1 8.6 13.0



#91
Indeno(1,2,3-cd)pyrene
Concen: 2.749 ng/ul
RT: 25.38 min Scan# 3807
Delta R.T. -0.25 min
Lab File: BN005342.D
Acq: 27 Apr 2019 06:16

Tgt Ion:276 Resp: 283814
Ion Ratio Lower Upper
276 100
138 21.5 17.9 26.9
277 28.8 19.7 29.5





#93

Benzo(a,h,i)perylene

Concen: 20.102 ng/ul

RT: 26.29 min Scan# 3961

Delta R.T. -0.01 min

Lab File: BN005342.D

Acq: 27 Apr 2019 06:16

Instrument :

BNA_N

ClientSampleId :

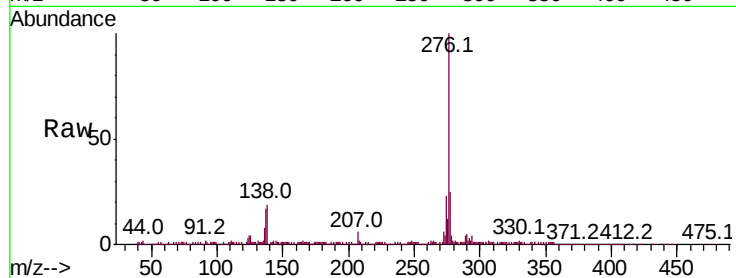
Tot Ion:276 Resp: 1716358

Ion Ratio Lower Upper

276 100

138 19.0 16.7 25.1

277 24.9 18.2 27.2



Abundance Ion 276.00 (275.70 to 276.70): E

1000000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

