

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\
 Data File : BN006073.D
 Acq On : 04 Jun 2019 20:48
 Operator : JU/SJ
 Sample : K2927-07MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 05 01:21:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 04 17:47:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	236727	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	991631	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	558019	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	1232784	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	1098915	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	1249183	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	31883	5.83	ng/uL	0.00
5) Phenol-d5	6.82	99	594831	31.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	348399	32.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	480707	31.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	438176	29.90	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	232609	32.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	261833	33.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	453948	31.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	138637	8.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	1329013	33.57	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1653414	32.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	211369	30.23	ng/ul	0.00
57) Fluorene-d10	15.30	176	1152602	34.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	145316	21.06	ng/ul	0.00
70) Anthracene-d10	17.16	188	1638944	31.16	ng/ul	0.00
78) Pyrene-d10	19.46	212	1808738	34.06	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.36	264	1723159	30.98	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.85	94	626755	32.421	ng/ul 100
10) 2-Chlorophenol	7.22	128	501776	32.337	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.45	70	397706	33.850	ng/ul 98
33) 4-Chloro-3-methylphenol	11.73	107	495749	32.931	ng/ul 98
44) Dimethylphthalate	13.76	163	452581	11.527	ng/ul 100
49) Acenaphthene	14.37	153	1172790	34.640	ng/ul 98
52) 4-Nitrophenol	14.53	109	167872	31.672	ng/ul 93
54) 2,4-Dinitrotoluene	14.68	165	401553	35.878	ng/ul 100
68) Pentachlorophenol	16.72	266	243770	32.237	ng/ul 96
69) Phenanthrene	17.10	178	503679	8.331	ng/ul 99
71) Anthracene	17.19	178	85300	1.381	ng/ul 98
74) Carbazole	17.46	167	60139	1.090	ng/ul 96
76) Fluoranthene	19.13	202	1451812	21.427	ng/ul 100
79) Pyrene	19.50	202	3480161	51.513	ng/ul 98
82) Benzo(a)anthracene	21.26	228	569124	8.424	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.19	149	46214	1.012	ng/ul# 94
84) Chrysene	21.30	228	749421	11.573	ng/ul 98
87) Benzo(b)fluoranthene	22.84	252	1003646	15.072	ng/ul# 97
88) Benzo(k)fluoranthene	22.84	252	1003646	15.396	ng/ul# 97
90) Benzo(a)pyrene	23.41	252	602312	9.356	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.74	276	513504	6.542	ng/ul 96
92) Dibenzo(a,h)anthracene	25.74	278	129322	1.954	ng/ul# 78
93) Benzo(g,h,i)perylene	26.43	276	369671	5.541	ng/ul 97

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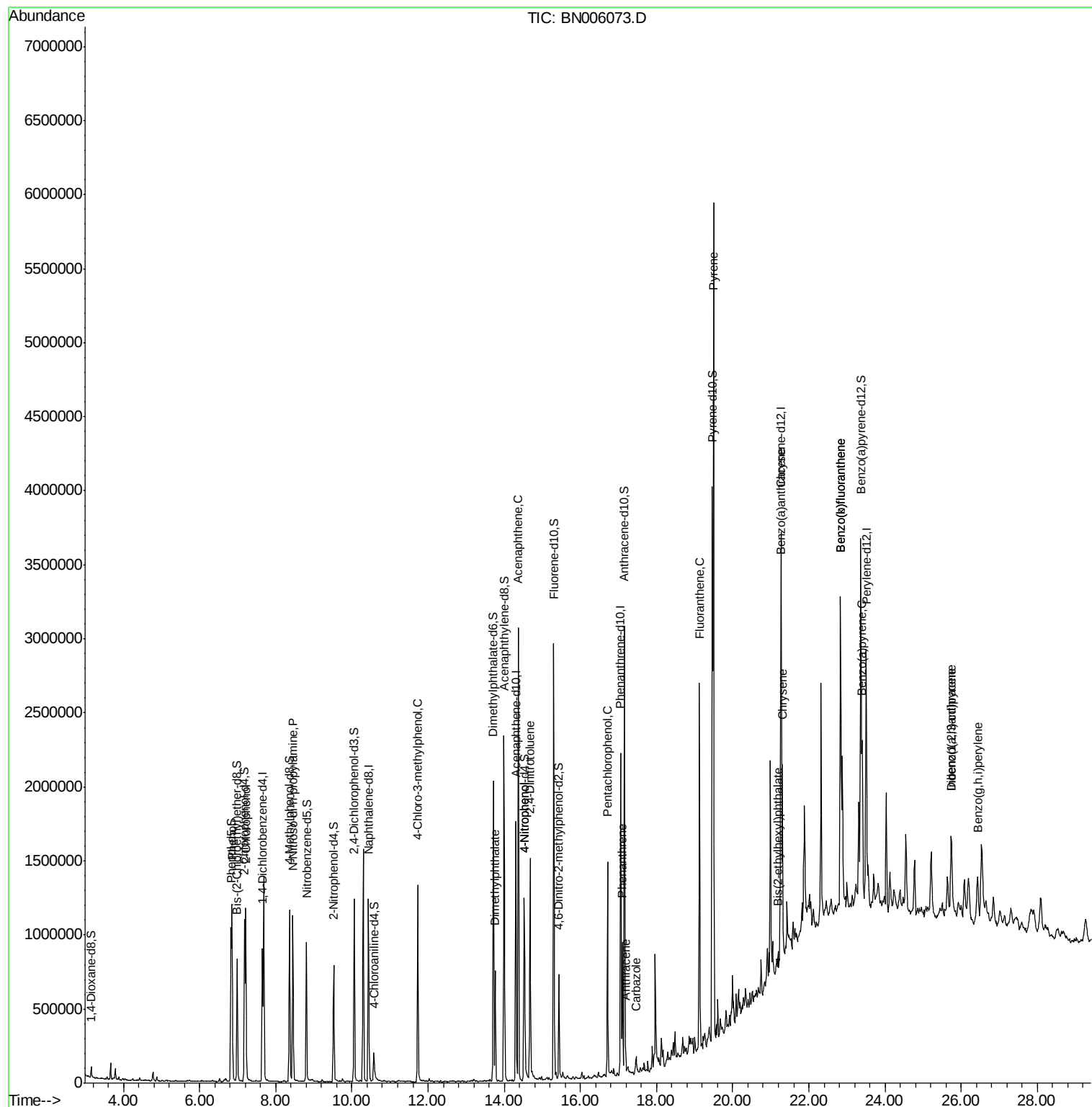
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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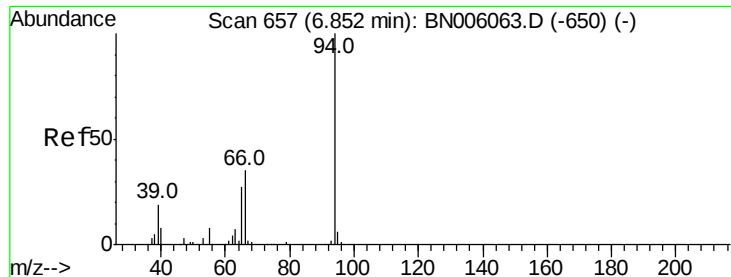
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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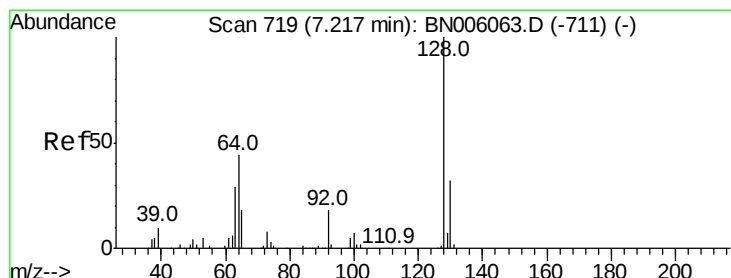
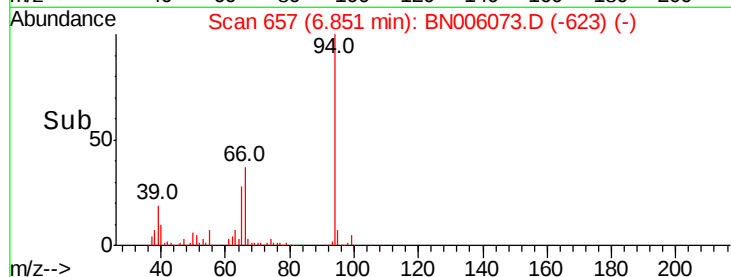
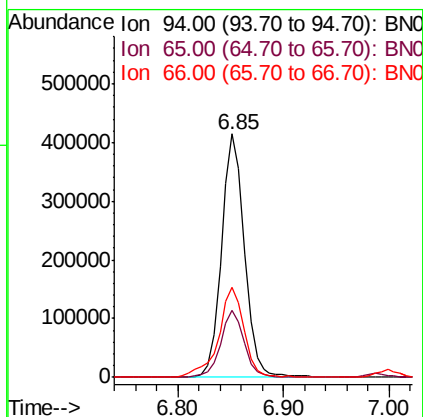
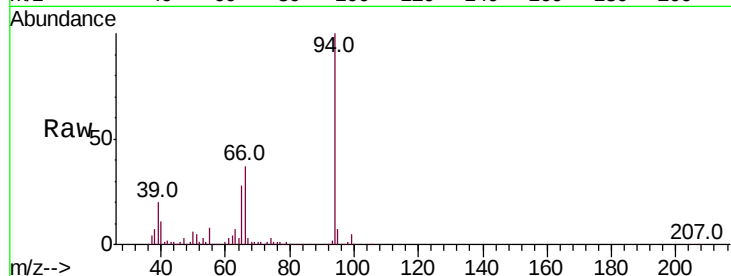
#6

Phenol

Concen: 32.421 ng/ul
 RT: 6.85 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: BN006073.D
 Acq: 04 Jun 2019 20:48

Instrument :
 BNA_N
 ClientSampled :

Tot Ion: 94 Resp: 626755
 Ion Ratio Lower Upper
 94 100
 65 27.5 21.8 32.6
 66 36.8 29.5 44.3

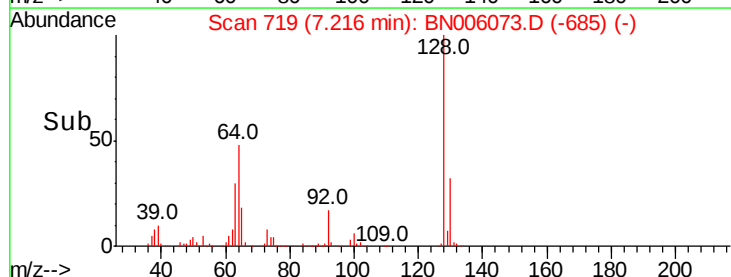
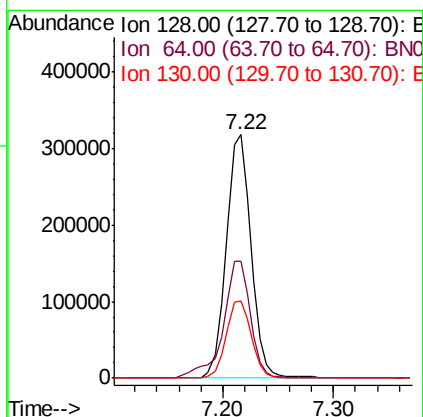
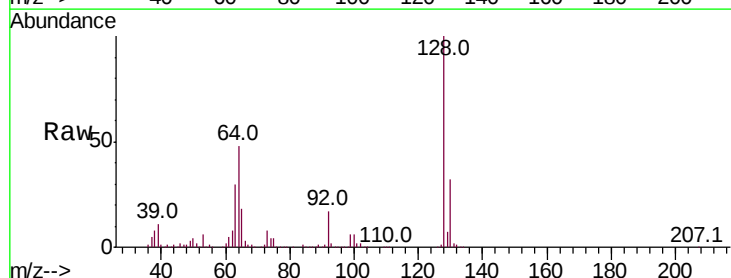


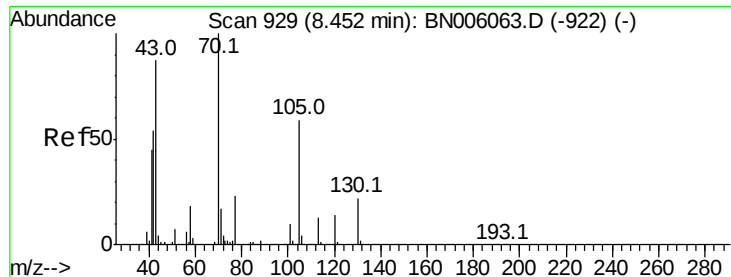
#10

2-Chlorophenol

Concen: 32.337 ng/ul
 RT: 7.22 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: BN006073.D
 Acq: 04 Jun 2019 20:48

Tgt Ion: 128 Resp: 501776
 Ion Ratio Lower Upper
 128 100
 64 48.2 37.1 55.7
 130 31.5 25.8 38.8

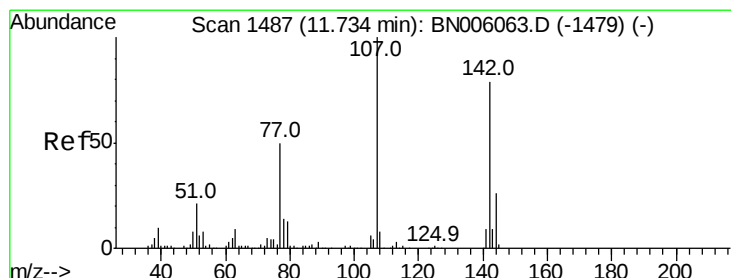
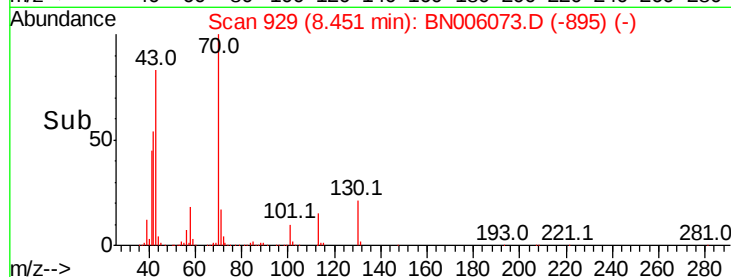
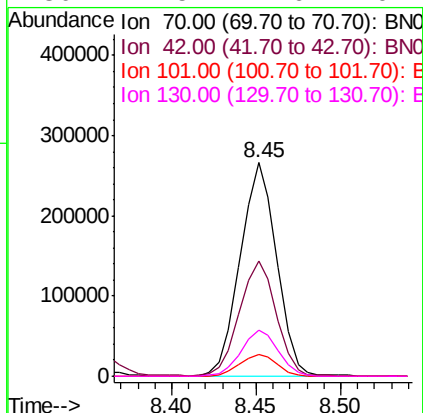
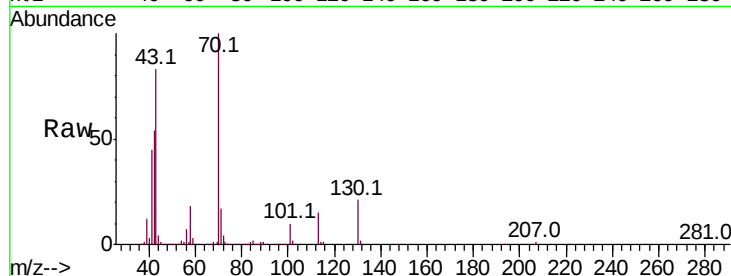




#15
N-Nitroso-di-n-propylamine
Concen: 33.850 ng/ul
RT: 8.45 min Scan# 929
Delta R.T. -0.00 min
Lab File: BN006073.D
Acq: 04 Jun 2019 20:48

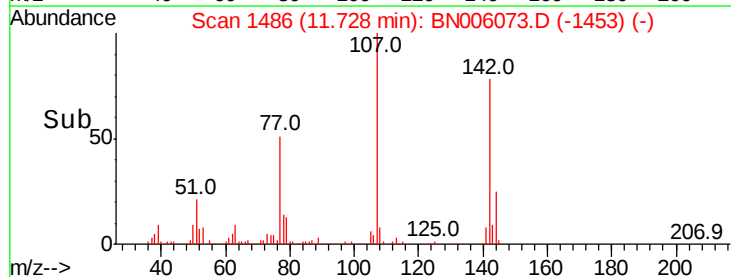
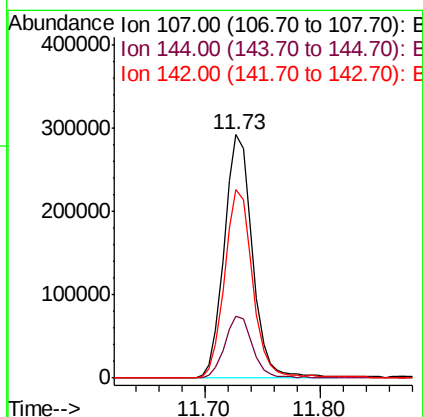
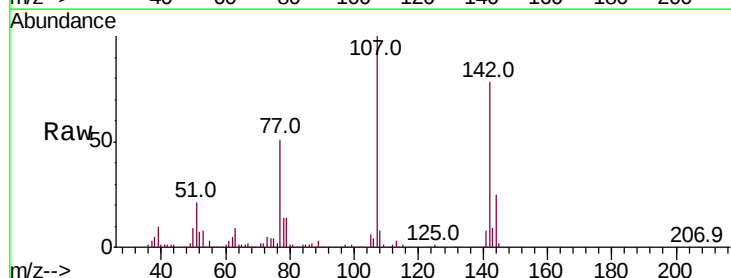
Instrument :
BNA_N
ClientSampleId :

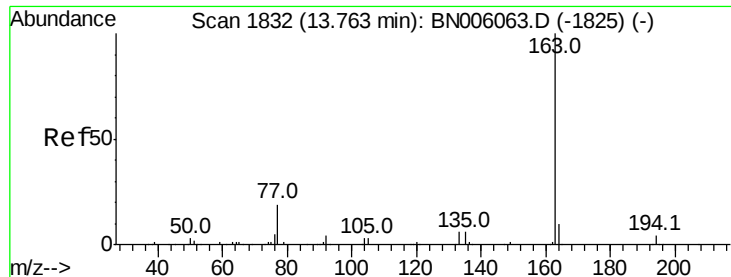
Tot Ion: 70 Resp: 397706
Ion Ratio Lower Upper
70 100
42 53.8 44.2 66.4
101 9.9 7.9 11.9
130 21.5 17.6 26.4



#33
4-Chloro-3-methylphenol
Concen: 32.931 ng/ul
RT: 11.73 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BN006073.D
Acq: 04 Jun 2019 20:48

Tgt Ion:107 Resp: 495749
Ion Ratio Lower Upper
107 100
144 25.3 21.1 31.7
142 77.5 63.6 95.4





#44

Dimethylphthalate

Concen: 11.527 ng/ul

RT: 13.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

Instrument :

BNA_N

ClientSampleId :

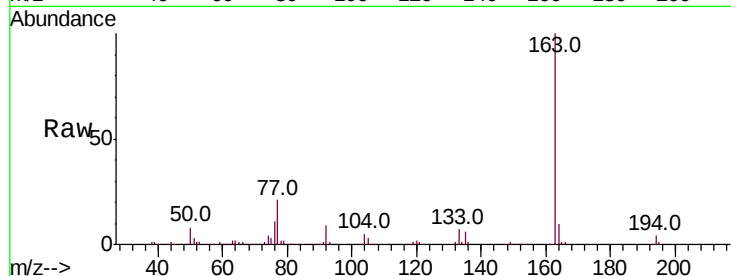
Tot Ion:163 Resp: 452581

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

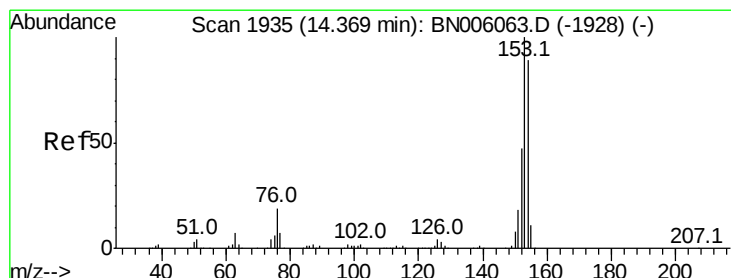
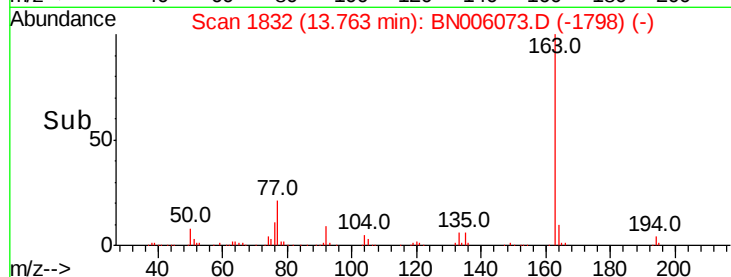
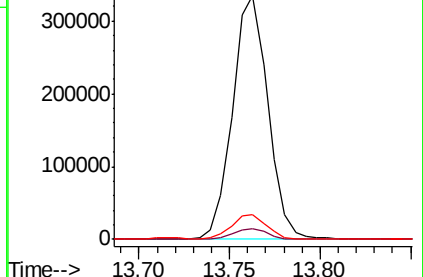
164 10.0 8.2 12.2



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



#49

Acenaphthene

Concen: 34.640 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

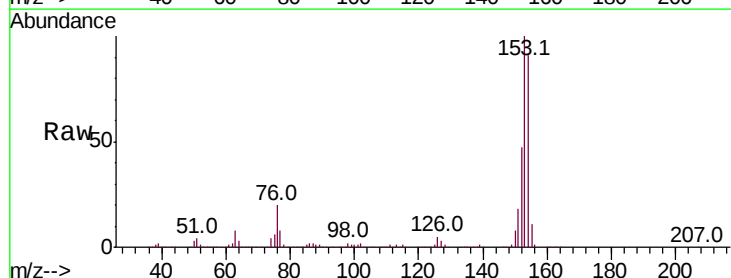
Tgt Ion:153 Resp: 1172790

Ion Ratio Lower Upper

153 100

152 47.0 37.9 56.9

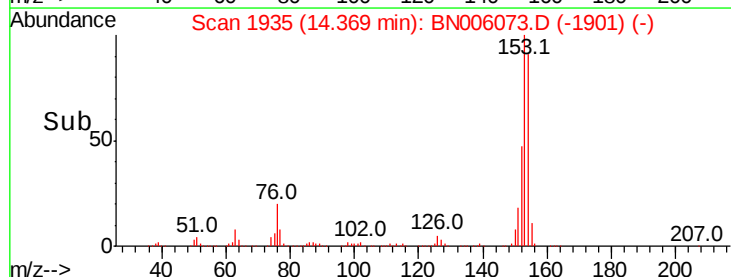
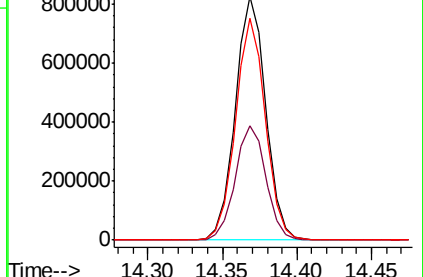
154 91.2 71.4 107.2

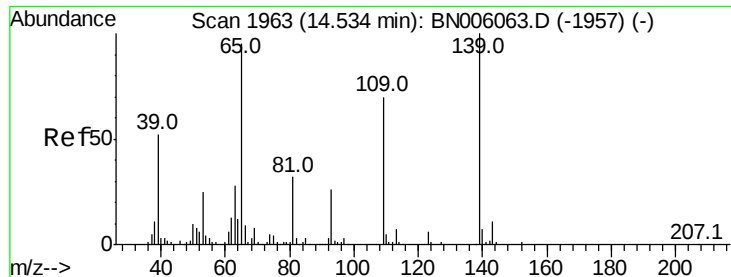


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 31.672 ng/ul

RT: 14.53 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

Instrument :

BNA_N

ClientSampleId :

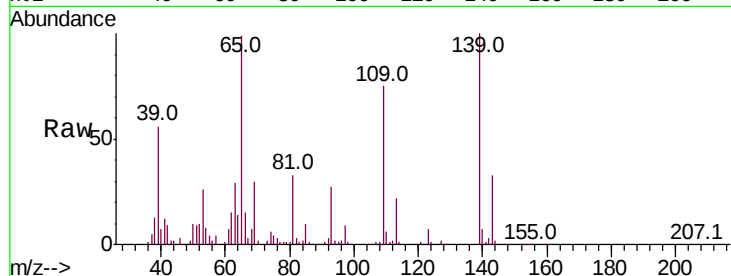
Tot Ion:109 Resp: 167872

Ion Ratio Lower Upper

109 100

139 132.6 114.5 171.7

65 130.8 109.8 164.8

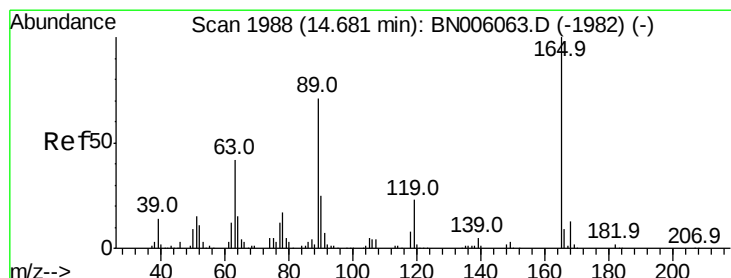
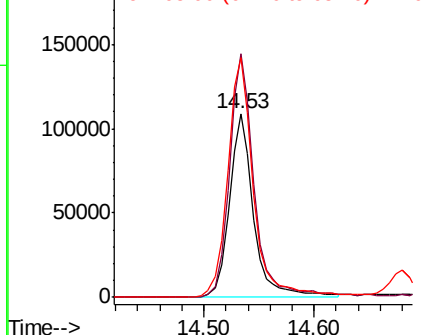
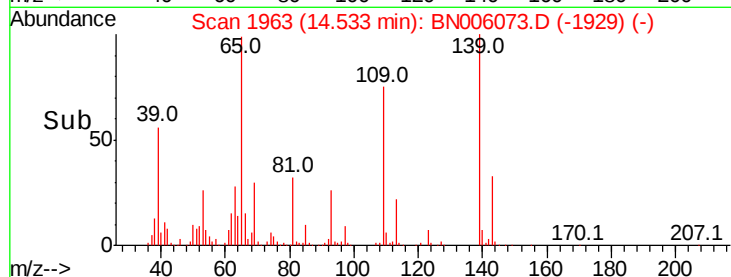


Abundance

Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC



#54

2,4-Dinitrotoluene

Concen: 35.878 ng/ul

RT: 14.68 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

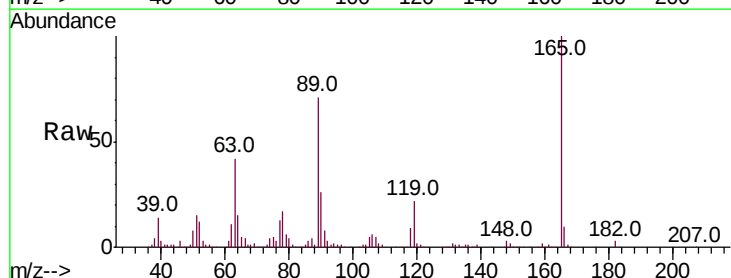
Tgt Ion:165 Resp: 401553

Ion Ratio Lower Upper

165 100

63 42.4 33.8 50.8

182 3.1 2.2 3.2

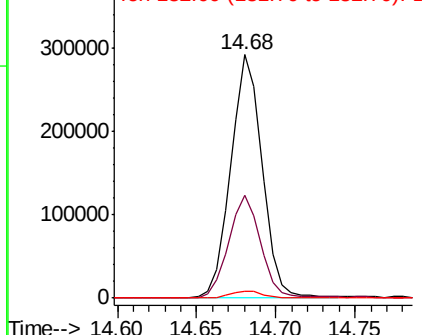
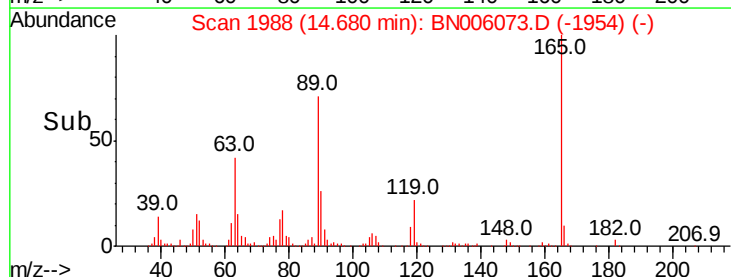


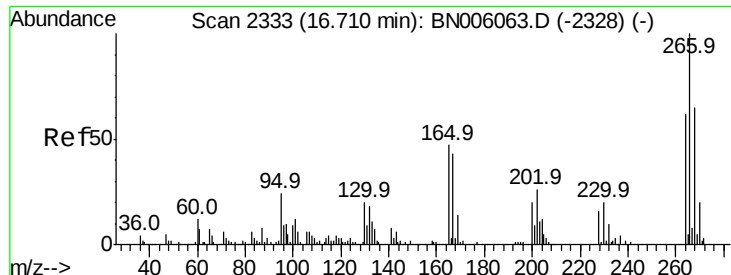
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E





#68

Pentachlorophenol

Concen: 32.237 ng/ul

RT: 16.72 min Scan# 2334

Delta R.T. 0.01 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

Instrument :

BNA_N

ClientSampleId :

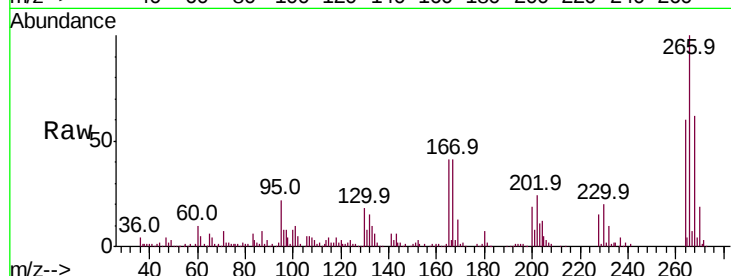
Tot Ion:266 Resp: 243770

Ion Ratio Lower Upper

266 100

264 60.0 49.8 74.8

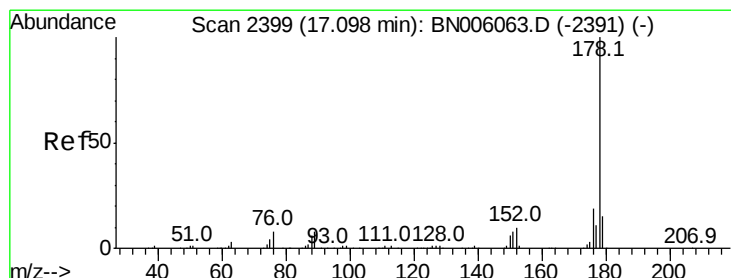
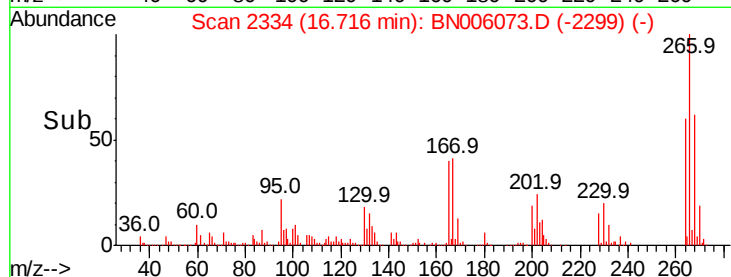
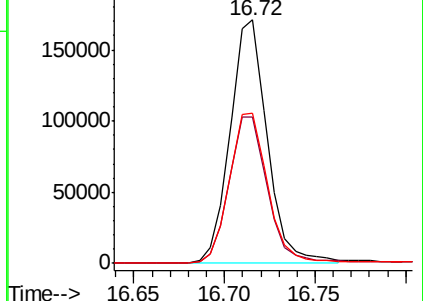
268 61.6 51.8 77.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69

Phenanthrene

Concen: 8.331 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

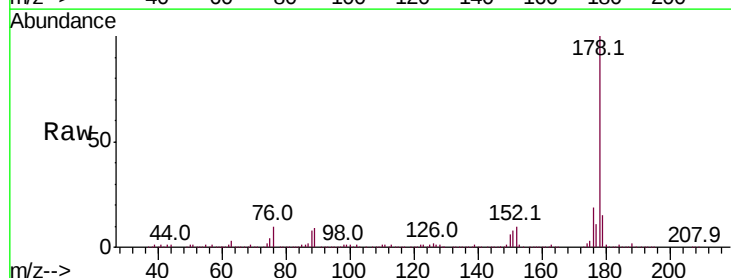
Tgt Ion:178 Resp: 503679

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

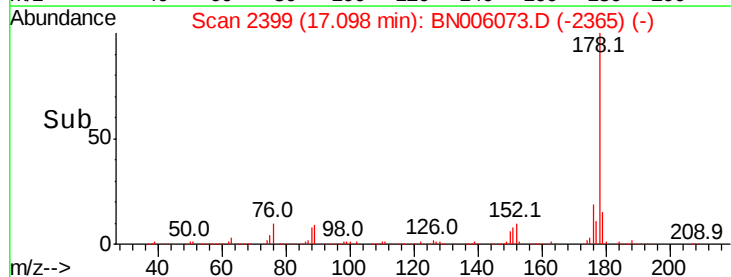
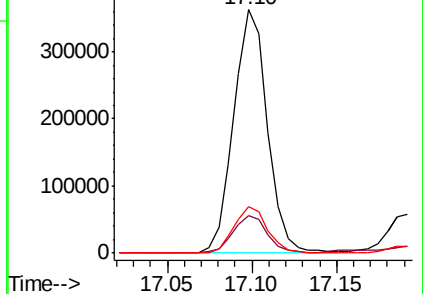
176 19.2 15.0 22.6

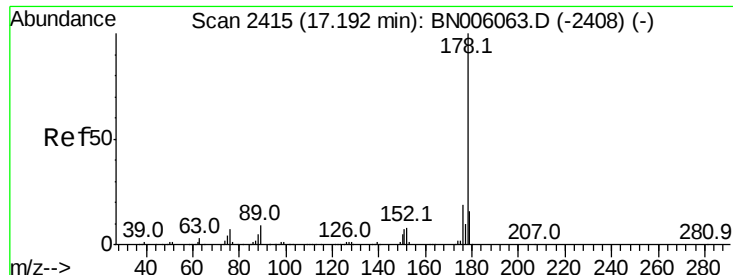


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

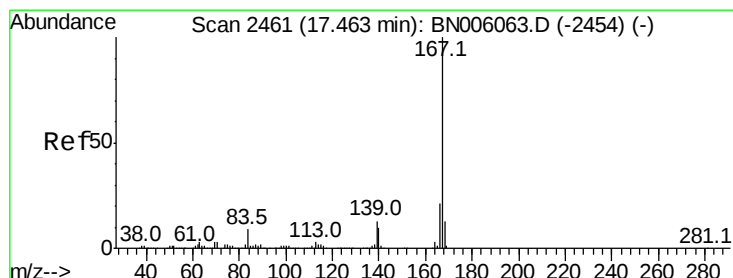
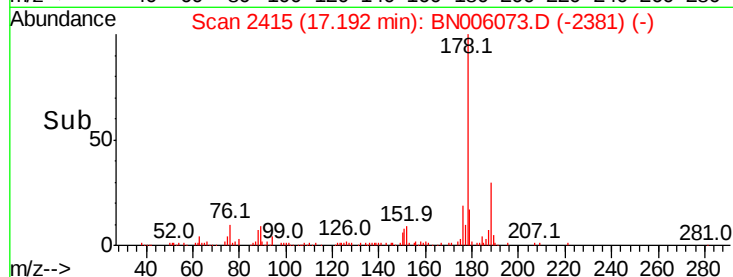
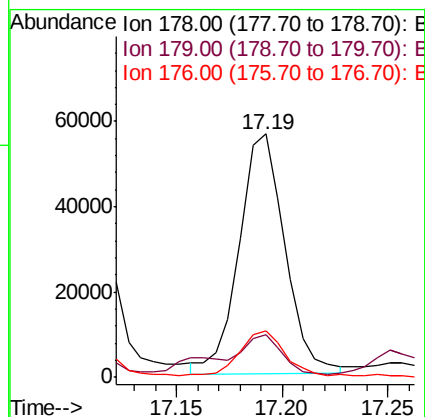
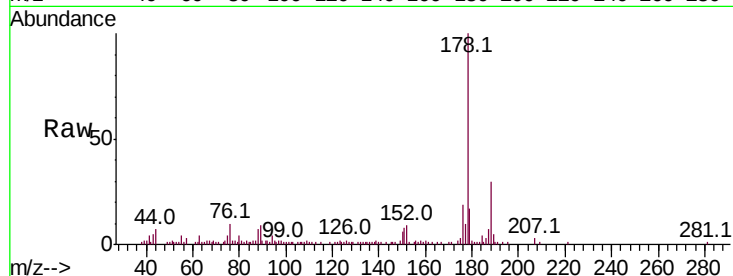




#71
 Anthracene
 Concen: 1.381 ng/ul
 RT: 17.19 min Scan# 2415
 Delta R.T. -0.00 min
 Lab File: BN006073.D
 Acq: 04 Jun 2019 20:48

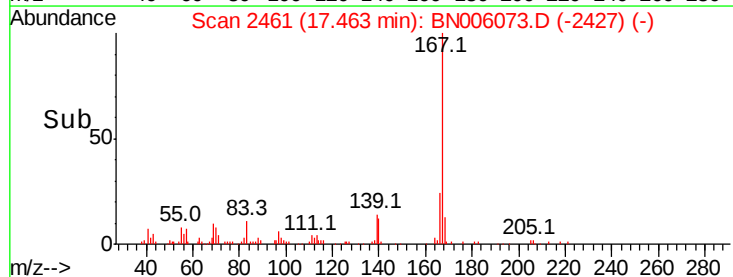
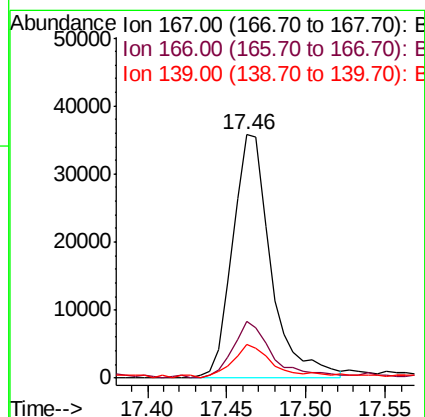
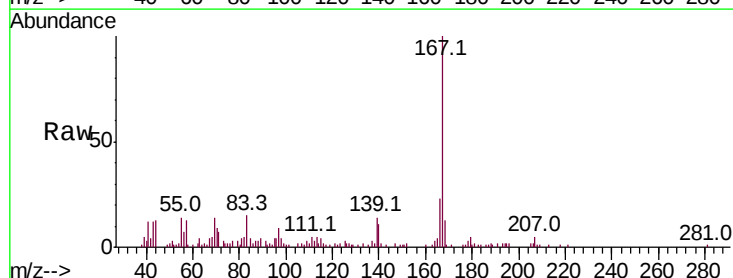
Instrument :
 BNA_N
 ClientSampleId :

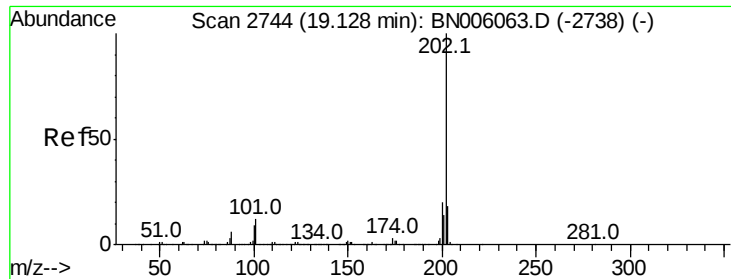
Tot Ion:178 Resp: 85300
 Ion Ratio Lower Upper
 178 100
 179 17.3 12.6 18.8
 176 19.1 14.8 22.2



#74
 Carbazole
 Concen: 1.090 ng/ul
 RT: 17.46 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: BN006073.D
 Acq: 04 Jun 2019 20:48

Tgt Ion:167 Resp: 60139
 Ion Ratio Lower Upper
 167 100
 166 23.2 16.7 25.1
 139 13.7 10.2 15.2





#76

Fluoranthene

Concen: 21.427 ng/ul

RT: 19.13 min Scan# 2744

Delta R.T. -0.00 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

Instrument :

BNA_N

ClientSampleId :

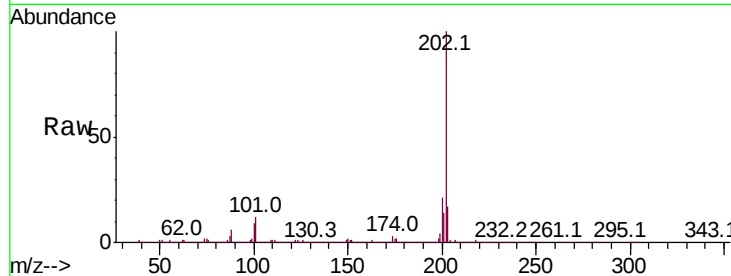
Tot Ion:202 Resp: 1451812

Ion Ratio Lower Upper

202 100

101 12.3 9.6 14.4

100 8.9 7.1 10.7

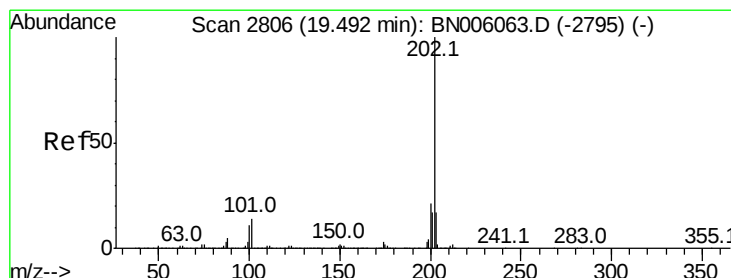
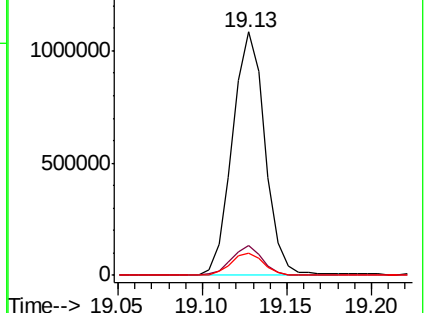
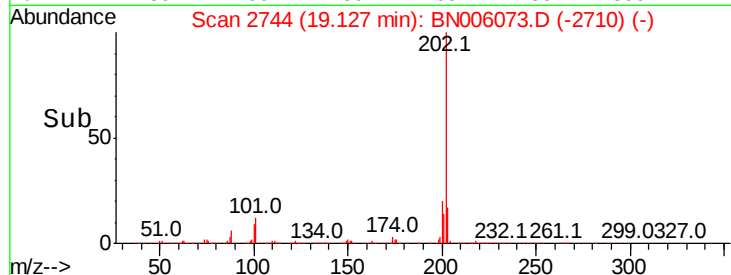


Abundance

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

Pyrene

Concen: 51.513 ng/ul

RT: 19.50 min Scan# 2807

Delta R.T. 0.01 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

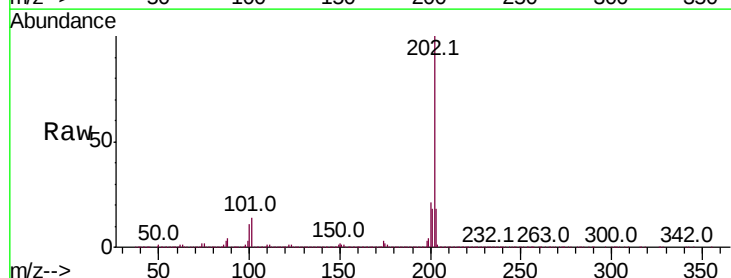
Tgt Ion:202 Resp: 3480161

Ion Ratio Lower Upper

202 100

101 13.6 11.5 17.3

100 10.9 9.0 13.6

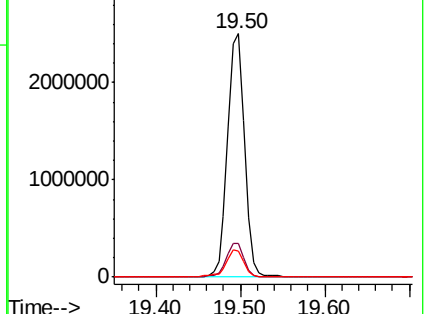
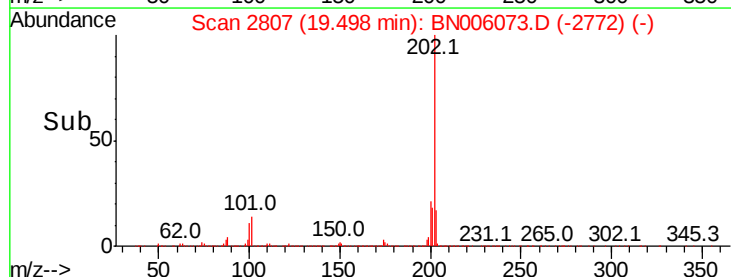


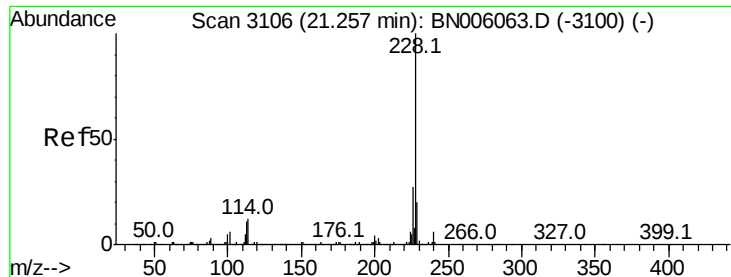
Abundance

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

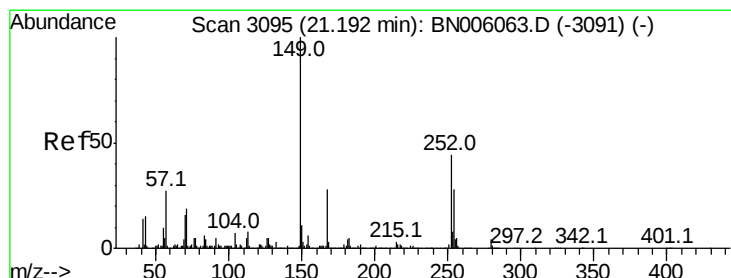
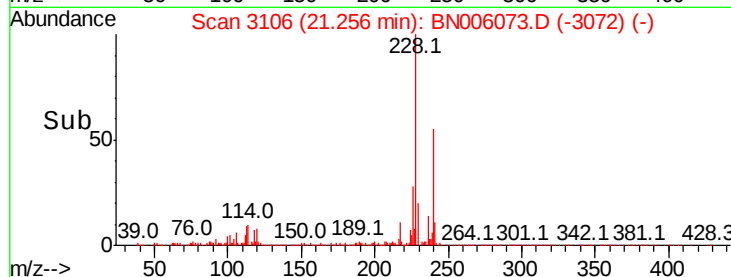
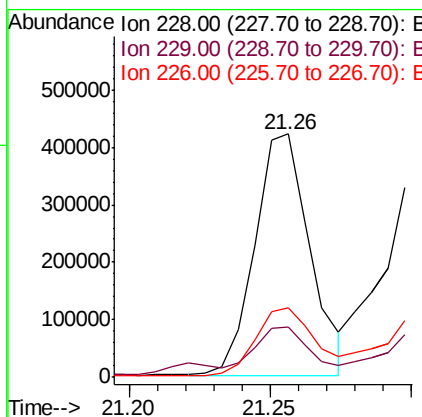
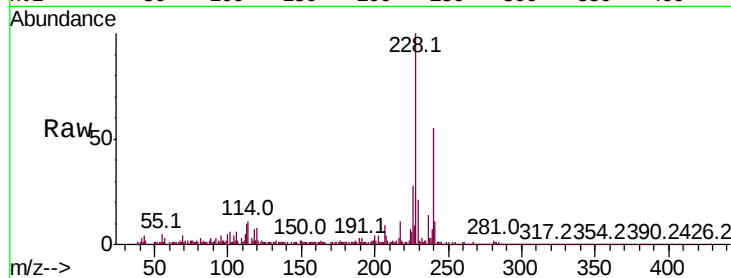




#82
Benzo(a)anthracene
Concen: 8.424 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BN006073.D
Acq: 04 Jun 2019 20:48

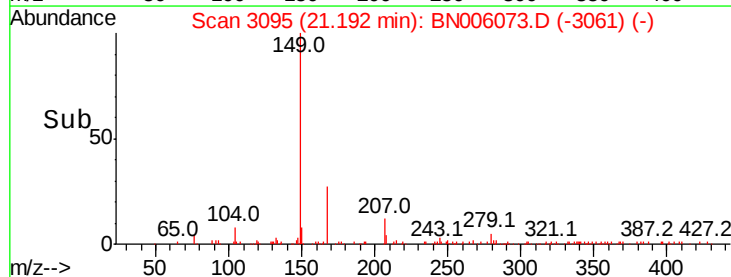
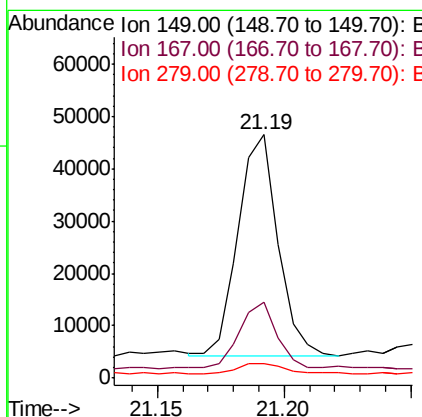
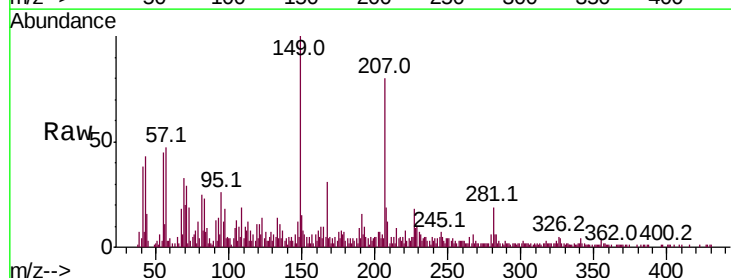
Instrument :
BNA_N
ClientSampleId :

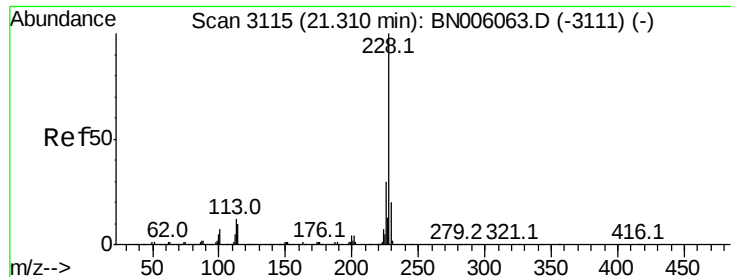
Tot Ion:228 Resp: 569124
Ion Ratio Lower Upper
228 100
229 20.9 16.1 24.1
226 28.4 21.9 32.9



#83
Bis(2-ethylhexyl)phthalate
Concen: 1.012 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BN006073.D
Acq: 04 Jun 2019 20:48

Tgt Ion:149 Resp: 46214
Ion Ratio Lower Upper
149 100
167 31.3 22.5 33.7
279 6.2 3.3 4.9#





#84

Chrysene

Concen: 11.573 ng/ul

RT: 21.30 min Scan# 3114

Delta R.T. -0.01 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

Instrument :

BNA_N

ClientSampleId :

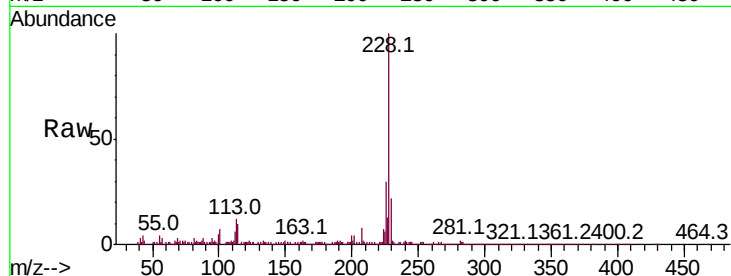
Tot Ion:228 Resp: 749421

Ion Ratio Lower Upper

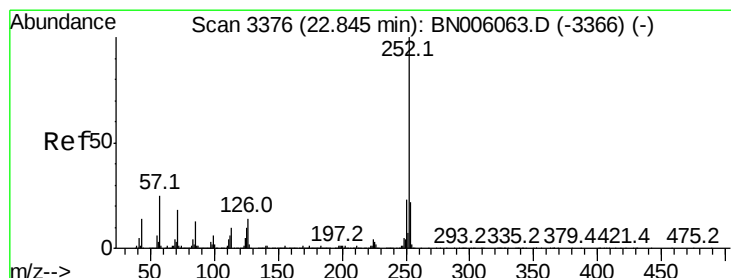
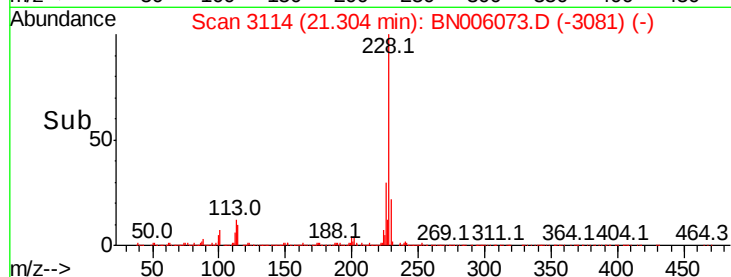
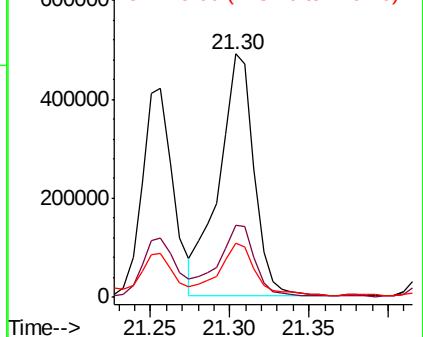
228 100

226 29.8 24.1 36.1

229 22.2 16.0 24.0



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: 15.072 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. -0.01 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

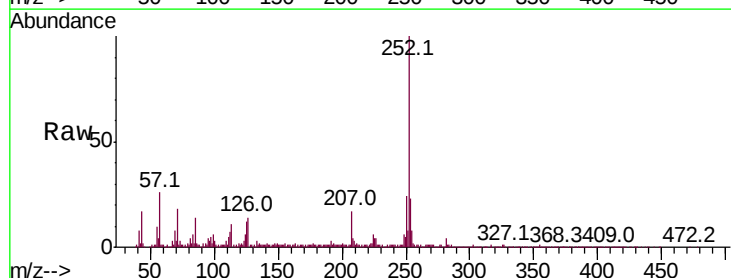
Tgt Ion:252 Resp: 1003646

Ion Ratio Lower Upper

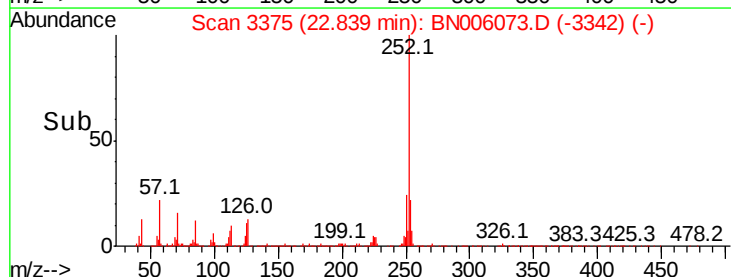
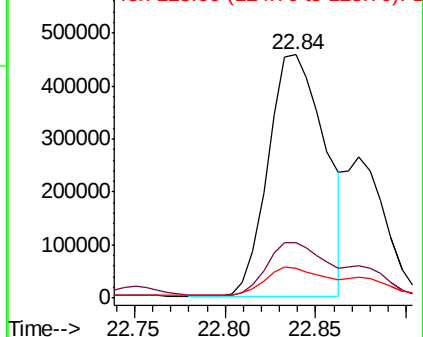
252 100

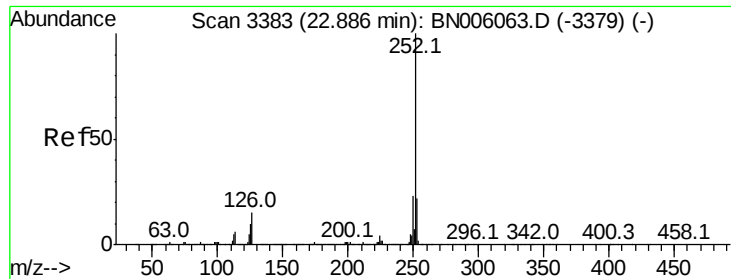
253 22.8 17.4 26.2

125 12.5 8.2 12.2#



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

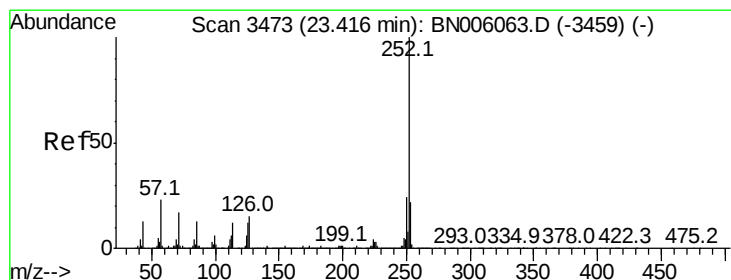
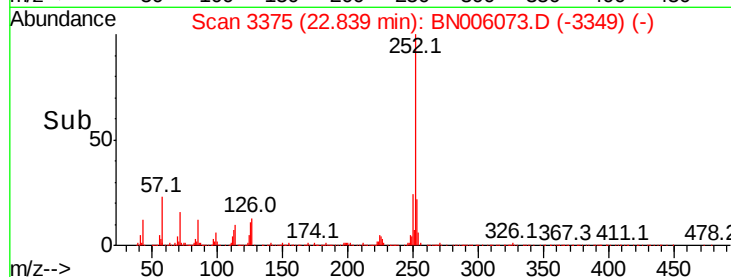
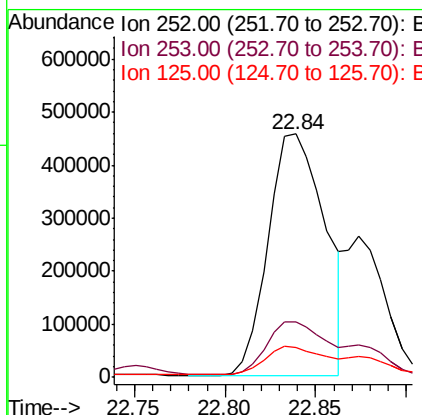
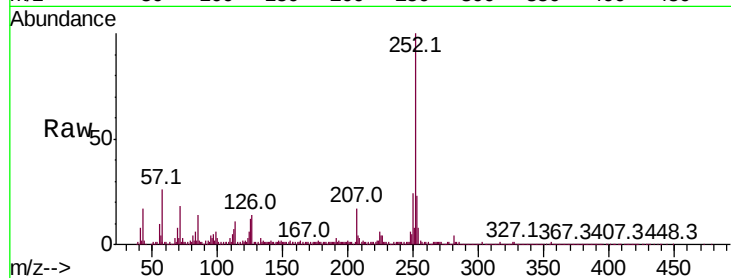




#88
Benzo(k)fluoranthene
Concen: 15.396 ng/ul
RT: 22.84 min Scan# 3375
Delta R.T. -0.05 min
Lab File: BN006073.D
Acq: 04 Jun 2019 20:48

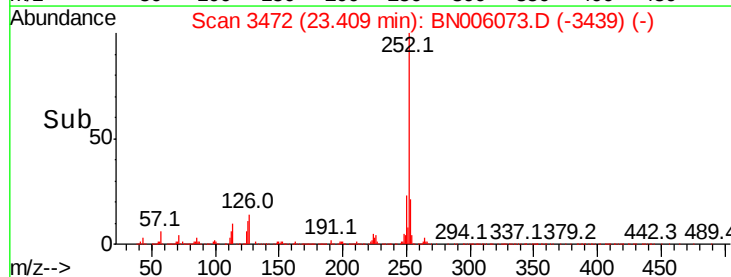
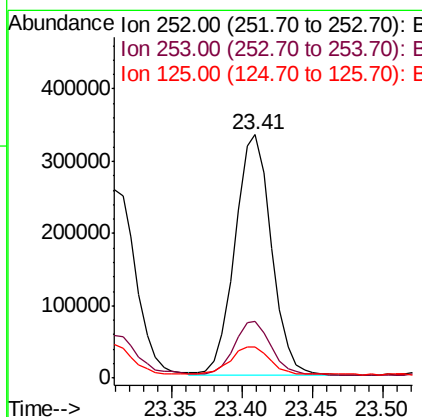
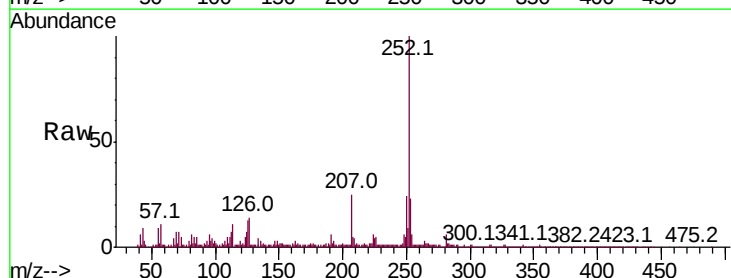
Instrument :
BNA_N
ClientSampleId :

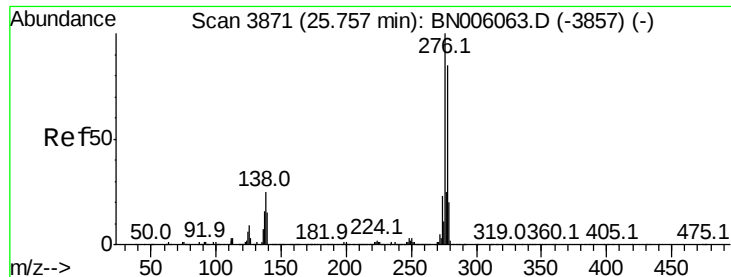
Tot Ion:252 Resp: 1003646
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 12.5 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 9.356 ng/ul
RT: 23.41 min Scan# 3472
Delta R.T. -0.01 min
Lab File: BN006073.D
Acq: 04 Jun 2019 20:48

Tgt Ion:252 Resp: 602312
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 12.6 9.7 14.5



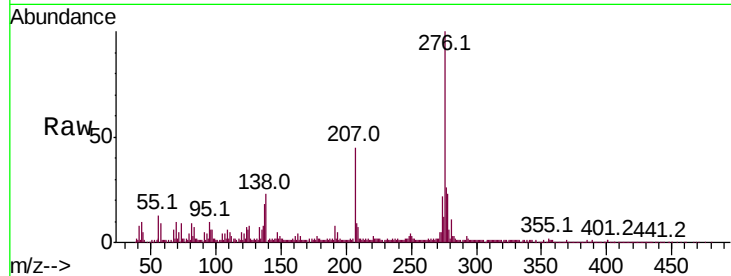


#91

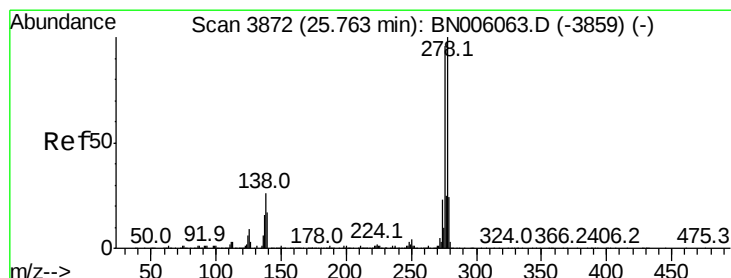
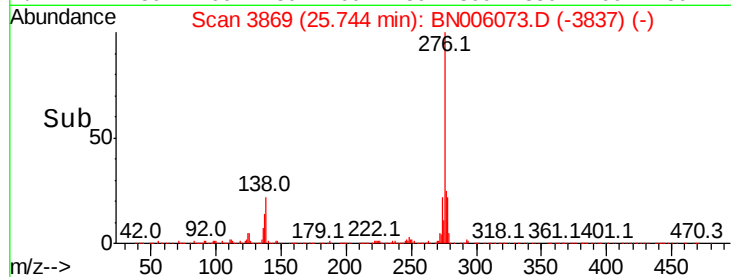
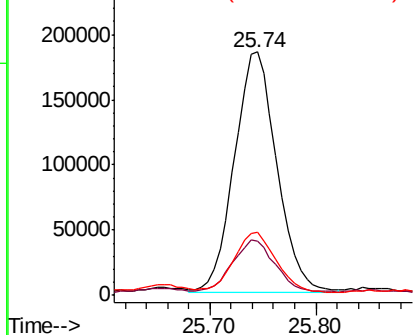
Indeno(1,2,3-cd)pyrene
Concen: 6.542 ng/ul
RT: 25.74 min Scan# 3869
Delta R.T. -0.01 min
Lab File: BN006073.D
Acq: 04 Jun 2019 20:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.2	30.4
277	25.9	19.8	29.8



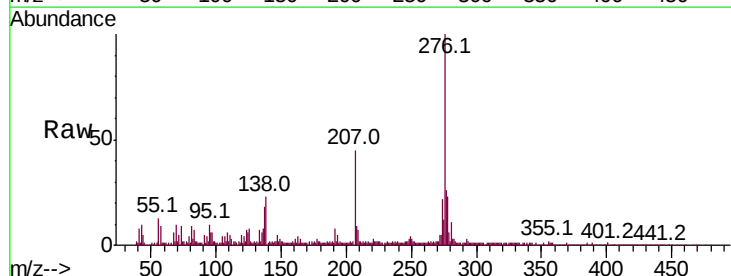
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



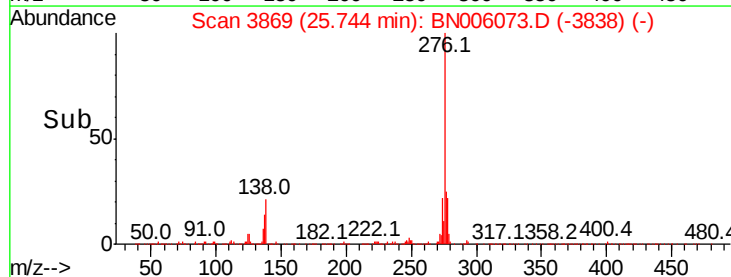
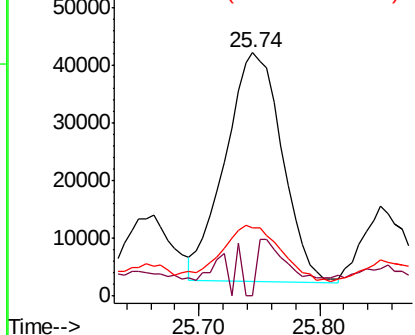
#92

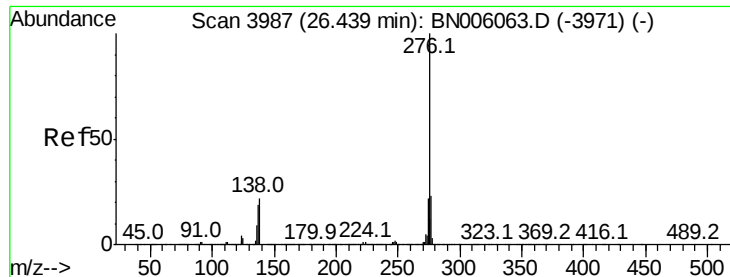
Dibenzo(a,h)anthracene
Concen: 1.954 ng/ul
RT: 25.74 min Scan# 3869
Delta R.T. -0.02 min
Lab File: BN006073.D
Acq: 04 Jun 2019 20:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.6	20.4#
279	28.2	19.0	28.6



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





#93

Benzo(a,h,i)perylene

Concen: 5.541 ng/ul

RT: 26.43 min Scan# 3986

Delta R.T. -0.01 min

Lab File: BN006073.D

Acq: 04 Jun 2019 20:48

Instrument :

BNA_N

ClientSampleId :

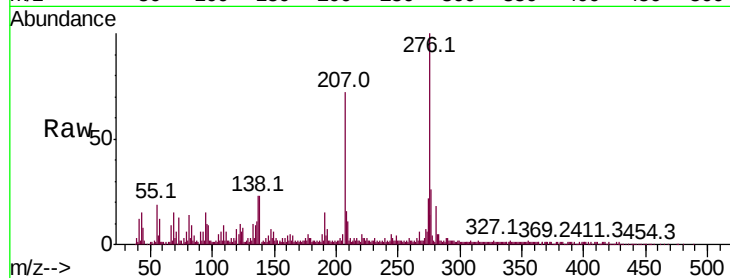
Tot Ion:276 Resp: 369671

Ion Ratio Lower Upper

276 100

138 22.8 18.0 27.0

277 26.1 18.8 28.2



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

