

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
 Data File : BN005213.D
 Acq On : 23 Apr 2019 14:20
 Operator : JU/SJ
 Sample : PB119070BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SBLK70

Quant Time: Apr 24 08:52:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	13748	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	58522	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	33280	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	63706	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	50910	20.00	ng/ul	0.01
85) Perylene-d12	23.44	264	53007	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	54355	190.89	ng/uL	0.00
5) Phenol-d5	6.78	99	1055042	977.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	662165	983.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	842023	1018.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	868792	1029.31	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	427972	1188.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	451885	1237.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	861944	1029.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	1222000	1415.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2686517	1112.06	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	3199010	1078.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	342237	897.19	ng/ul	0.00
57) Fluorene-d10	15.23	176	2153525	1062.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	136378	475.97	ng/ul	0.00
70) Anthracene-d10	17.09	188	3047395	1141.08	ng/ul	0.00
78) Pyrene-d10	19.40	212	2948615	1132.18	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.31	264	2626230	1133.70	ng/ul	0.03

Target Compounds

					Ovalue	
4) Benzaldehyde	6.78	77	2026	2.648	ng/ul#	2
8) Bis(2-Chloroethyl)ether	7.13	93	1384	1.556	ng/ul#	1
12) 2,2'-oxybis(1-Chloropropan	8.30	45	7474	5.005	ng/ul#	84
15) N-Nitroso-di-n-propylamine	8.29	70	22216	30.745	ng/ul#	1
20) Nitrobenzene	8.74	77	3527	3.558	ng/ul#	39
21) Isophorone	9.45	82	38850	19.794	ng/ul#	74
32) Caprolactam	11.31	113	4915	19.665	ng/ul#	1
44) Dimethylphthalate	13.66	163	2701	1.122	ng/ul#	1
45) 2,6-Dinitrotoluene	13.66	165	12075	29.051	ng/ul#	40
47) Acenaphthylene	13.95	152	12044	4.130	ng/ul#	91
60) 4-Nitroaniline	15.23	138	1752	3.637	ng/ul#	1
63) 4,6-Dinitro-2-methylphenol	15.36	198	767	2.515	ng/ul#	1
68) Pentachlorophenol	16.64	266	2727	6.815	ng/ul#	84
69) Phenanthrene	17.03	178	8013	2.583	ng/ul	94
71) Anthracene	17.03	178	8013	2.535	ng/ul	94
75) Di-n-butylphthalate	17.98	149	4128	1.212	ng/ul#	78
76) Fluoranthene	19.06	202	3914	1.137	ng/ul#	72
79) Pyrene	19.43	202	9207	2.809	ng/ul#	90
81) 3,3'-Dichlorobenzidine	21.15	252	3589	3.528	ng/ul#	82
82) Benzo(a)anthracene	21.21	228	3990	1.260	ng/ul#	10
83) Bis(2-ethylhexyl)phthalate	21.17	149	42672	21.353	ng/ul	96
84) Chrysene	21.27	228	4400	1.497	ng/ul#	77
86) Di-n-octyl phthalate	22.07	149	31045	9.563	ng/ul	100

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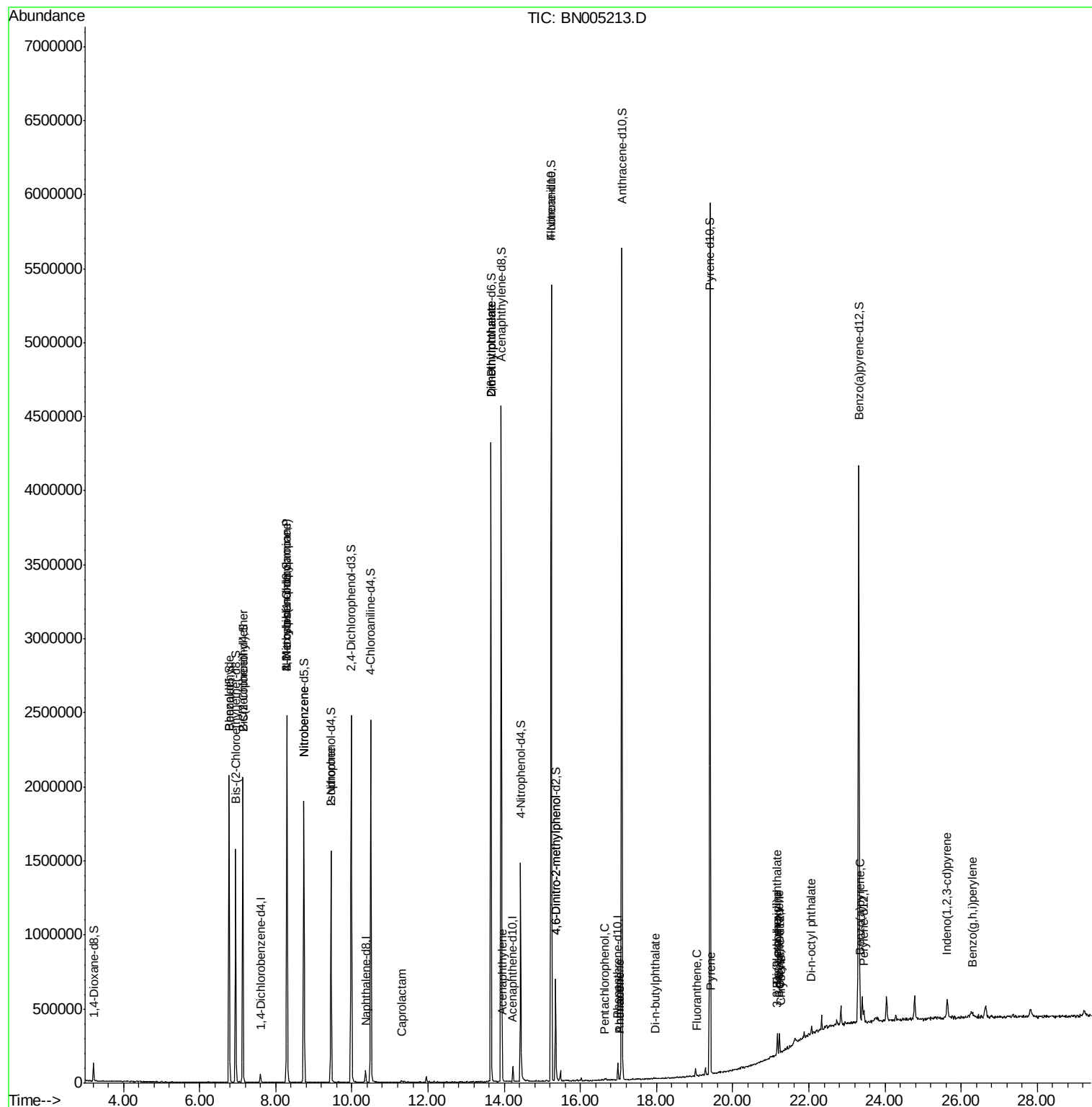
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	23.34	252	2995	1.069	ng/ul#	26
91) Indeno(1,2,3-cd)pyrene	25.63	276	4983	1.609	ng/ul#	90
93) Benzo(g,h,i)perylene	26.29	276	37192	14.526	ng/ul	93

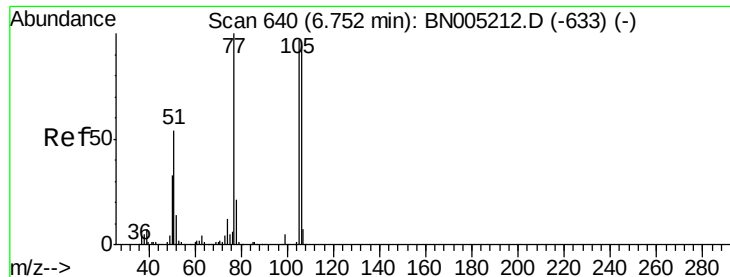
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.648 ng/ul

RT: 6.78 min Scan# 644

Delta R.T. 0.02 min

Lab File: BN005213.D

Acq: 23 Apr 2019 14:20

Instrument :

BNA_N

ClientSampleId :

SBLK70

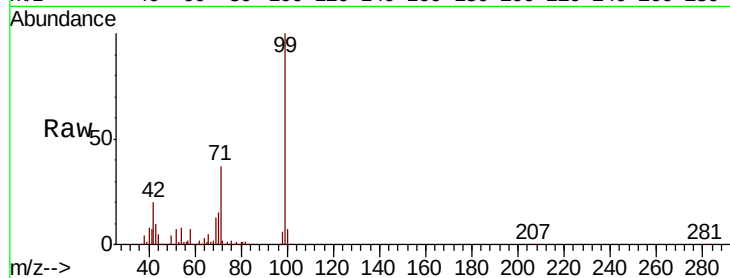
Tot Ion: 77 Resp: 2026

Ion Ratio Lower Upper

77 100

105 0.0 77.4 116.2#

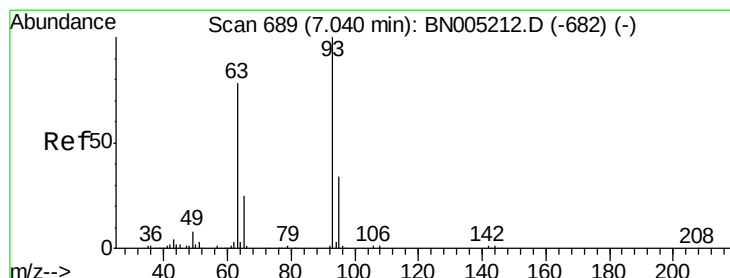
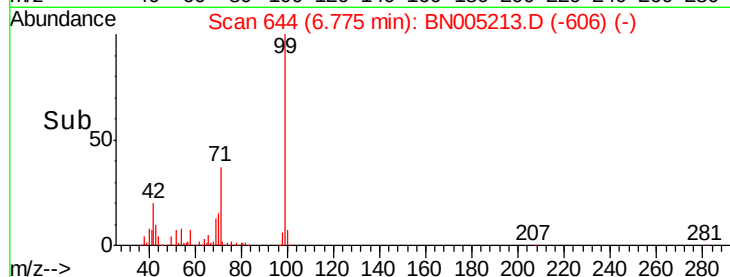
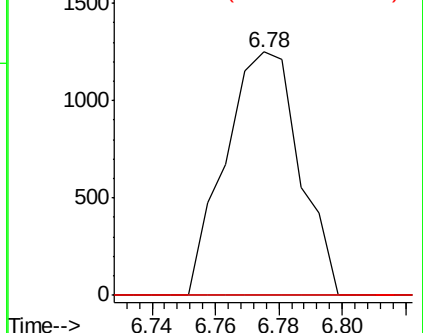
106 0.0 76.3 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#8

Bis(2-Chloroethyl)ether

Concen: 1.556 ng/ul

RT: 7.13 min Scan# 705

Delta R.T. 0.09 min

Lab File: BN005213.D

Acq: 23 Apr 2019 14:20

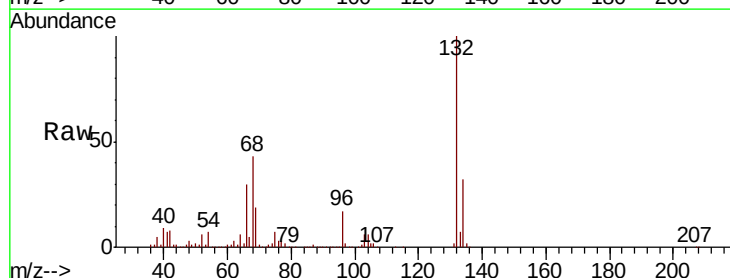
Tgt Ion: 93 Resp: 1384

Ion Ratio Lower Upper

93 100

63 641.3 67.1 100.7#

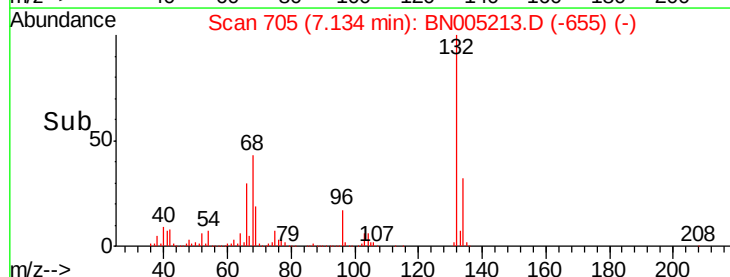
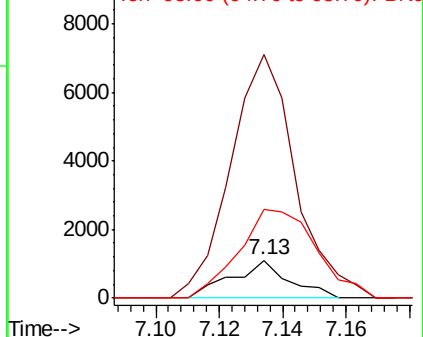
95 233.1 26.9 40.3#

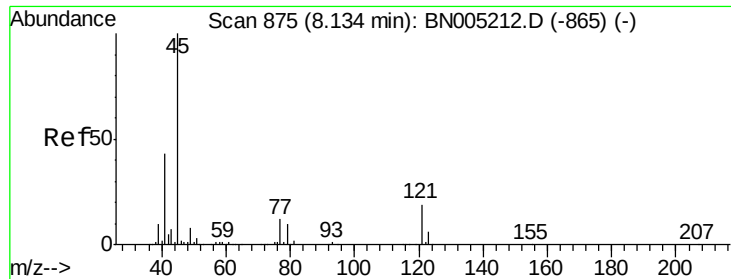


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

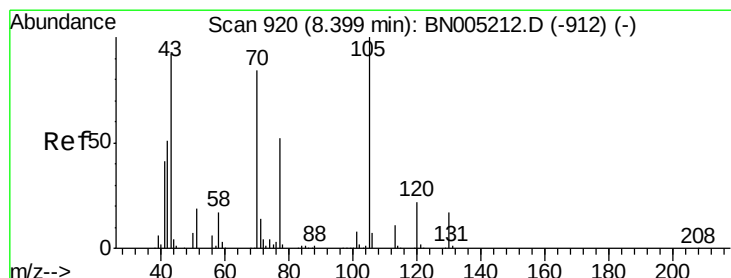
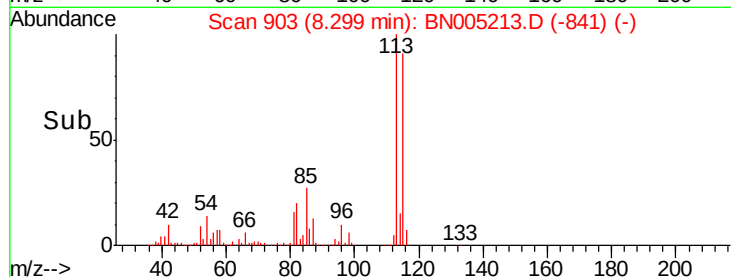
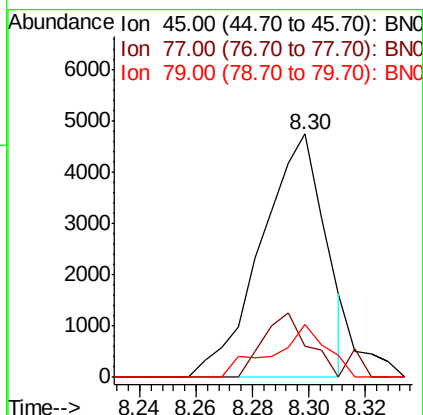
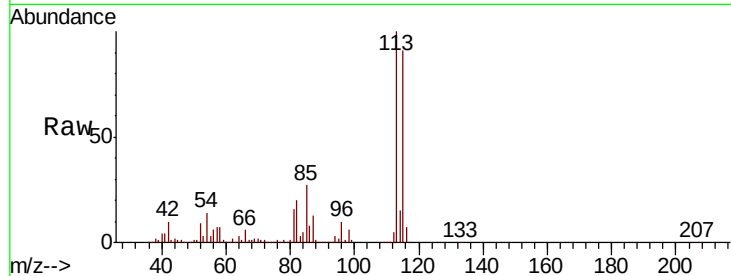




#12
 2,2'-oxvbis(1-Chloropropane)
 Concen: 5.005 ng/ul
 RT: 8.30 min Scan# 903
 Delta R.T. 0.16 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

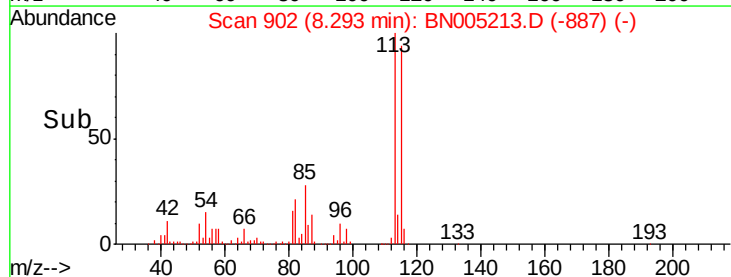
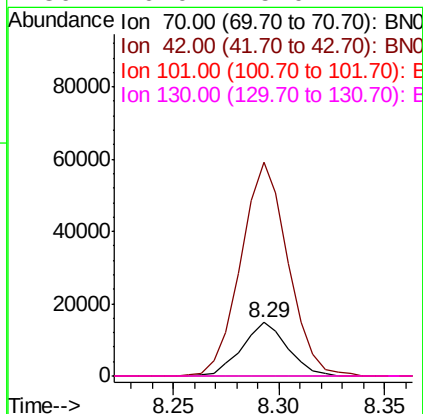
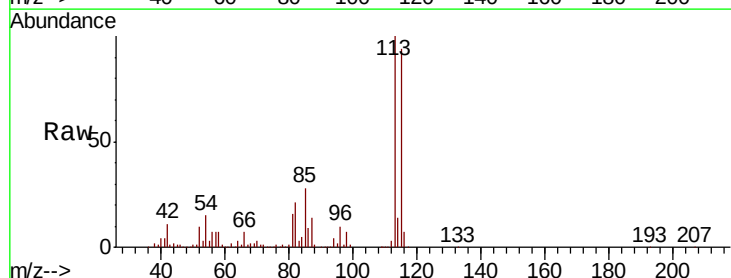
Instrument :
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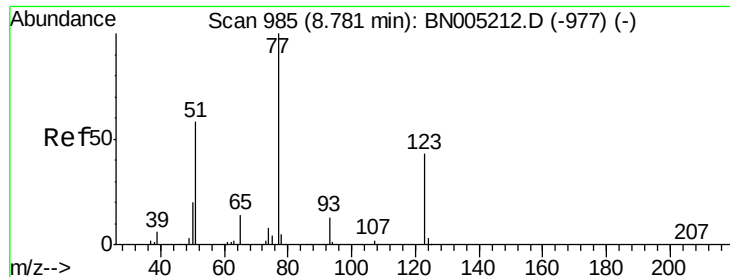
Tot Ion: 45 Resp: 7474
 Ion Ratio Lower Upper
 45 100
 77 12.8 9.8 14.6
 79 21.7 7.4 11.0#



#15
 N-Nitroso-di-n-propylamine
 Concen: 30.745 ng/ul
 RT: 8.29 min Scan# 902
 Delta R.T. -0.11 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Tgt Ion: 70 Resp: 22216
 Ion Ratio Lower Upper
 70 100
 42 400.5 53.8 80.8#
 101 0.0 7.7 11.5#
 130 0.0 15.0 22.4#

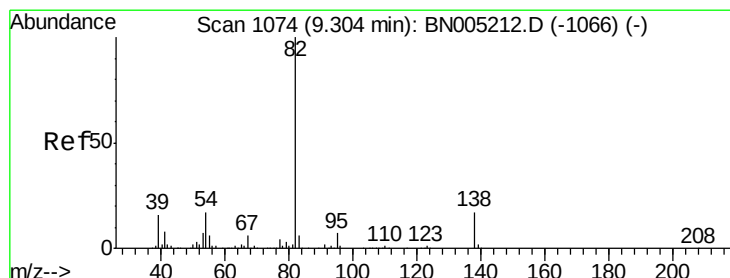
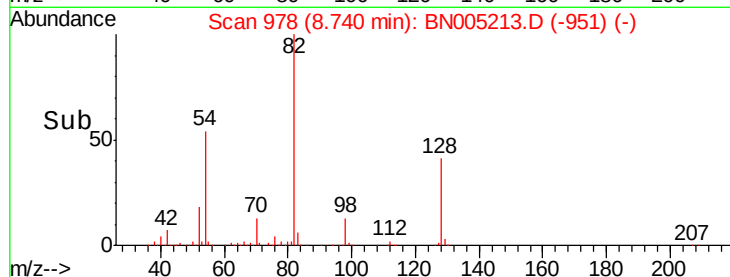
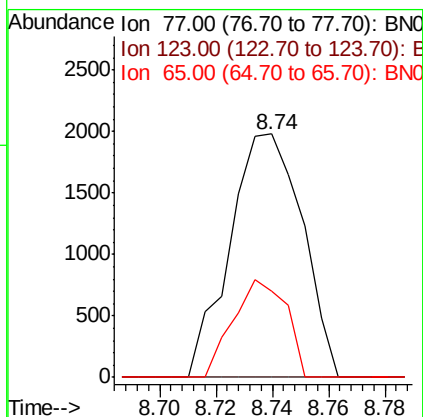
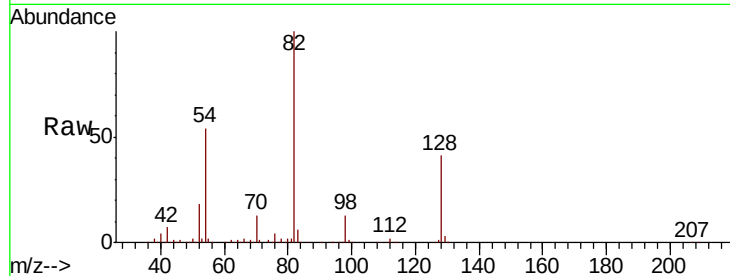




#20
 Nitrobenzene
 Concen: 3.558 ng/ul
 RT: 8.74 min Scan# 978
 Delta R.T. -0.04 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

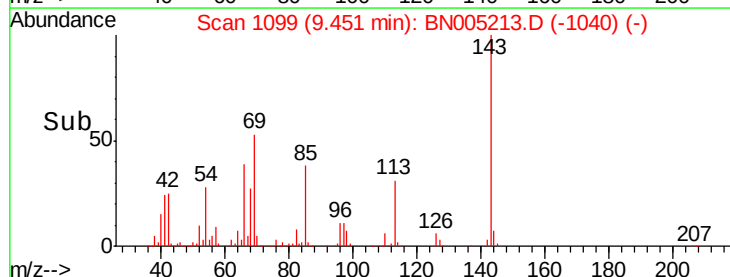
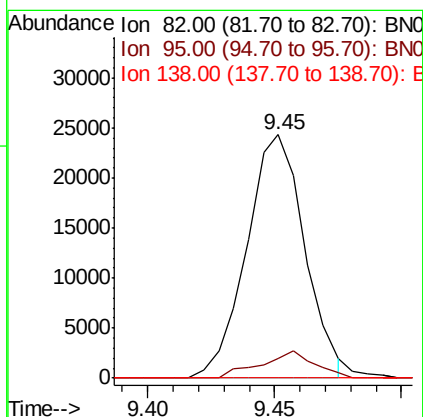
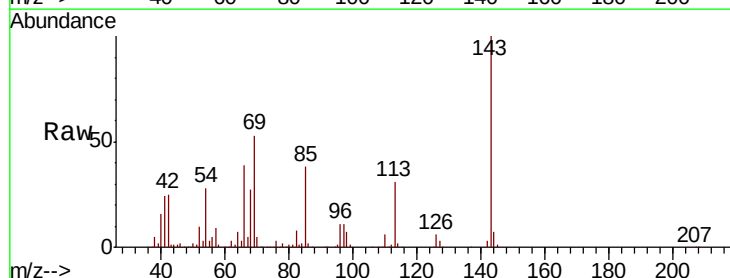
Instrument :
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 ClientSampleID :
 SBLK70

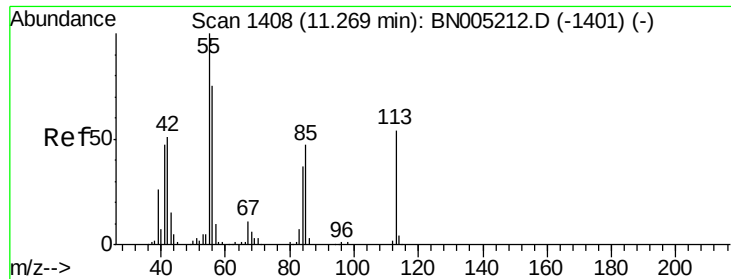
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.6	49.0#
65	35.2	11.6	17.4#



#21
 Isophorone
 Concen: 19.794 ng/ul
 RT: 9.45 min Scan# 1099
 Delta R.T. 0.15 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.2	9.2
138	0.0	13.2	19.8#





#32

Caprolactam

Concen: 19.665 ng/ul

RT: 11.31 min Scan# 1415

Delta R.T. 0.04 min

Lab File: BN005213.D

Acq: 23 Apr 2019 14:20

Instrument :

BNA_N

ClientSampleId :

SBLK70

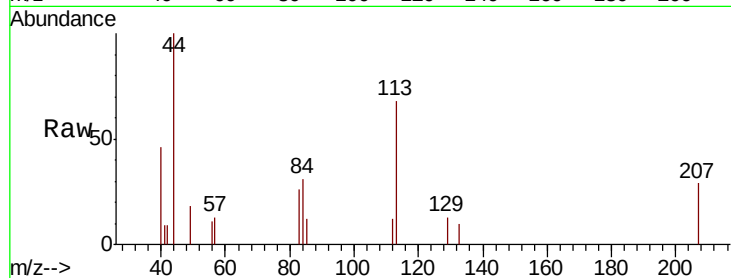
Tot Ion:113 Resp: 4915

Ion Ratio Lower Upper

113 100

55 0.0 157.0 235.4#

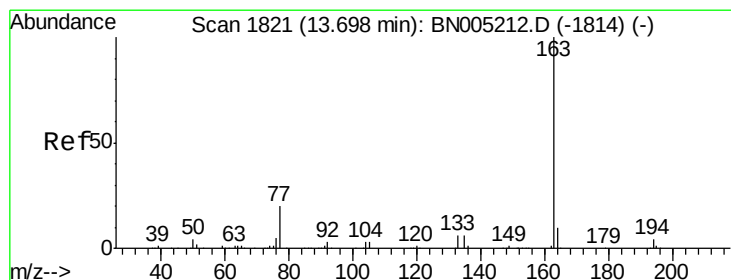
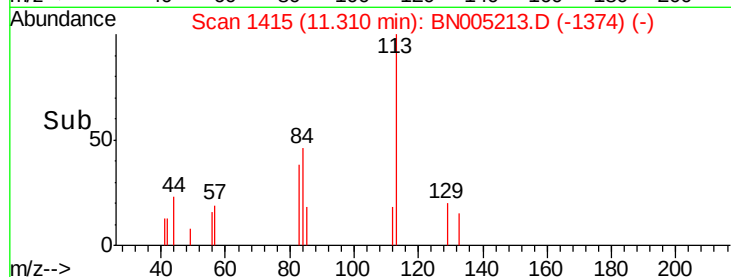
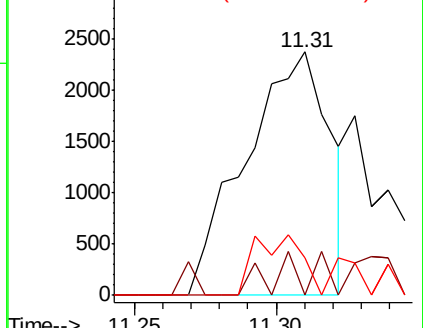
56 15.5 119.1 178.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#44

Dimethylphthalate

Concen: 1.122 ng/ul

RT: 13.66 min Scan# 1814

Delta R.T. -0.05 min

Lab File: BN005213.D

Acq: 23 Apr 2019 14:20

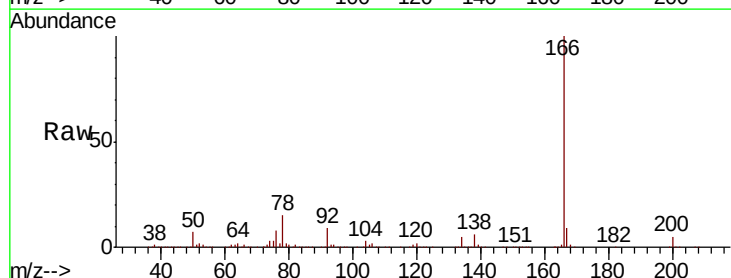
Tgt Ion:163 Resp: 2701

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

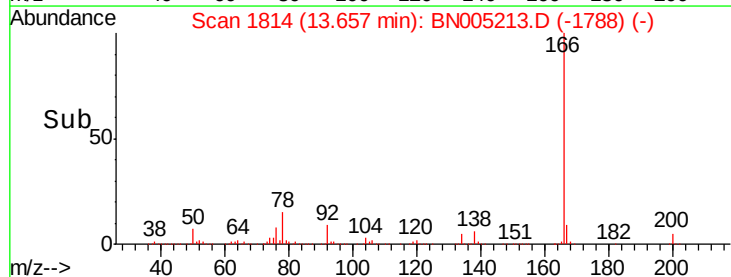
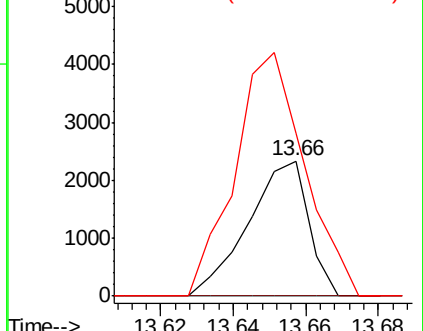
164 120.8 8.1 12.1#

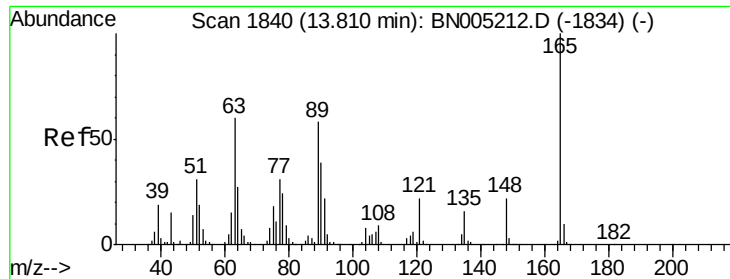


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

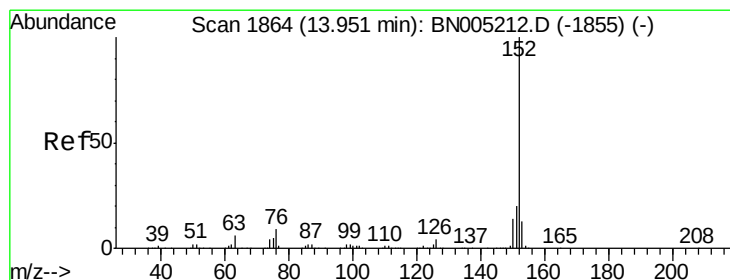
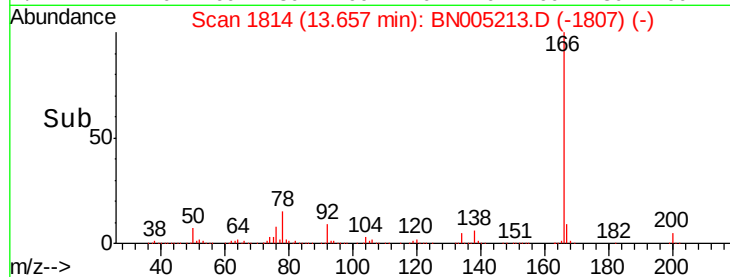
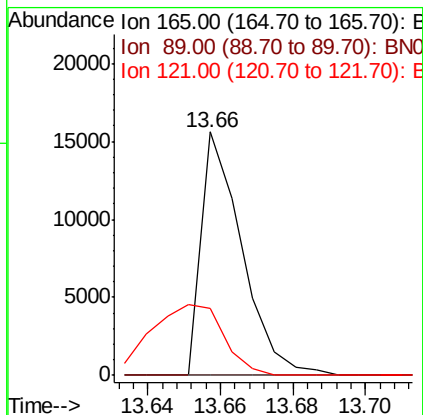
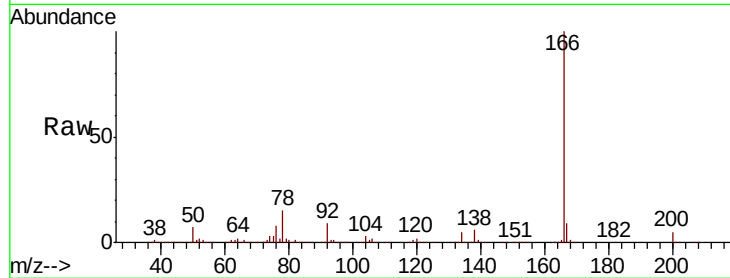




#45
 2,6-Dinitrotoluene
 Concen: 29.051 ng/ul
 RT: 13.66 min Scan# 1814
 Delta R.T. -0.16 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

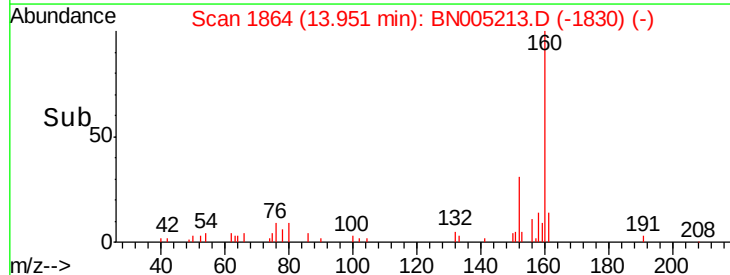
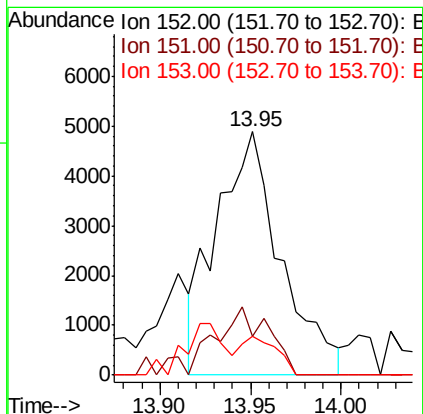
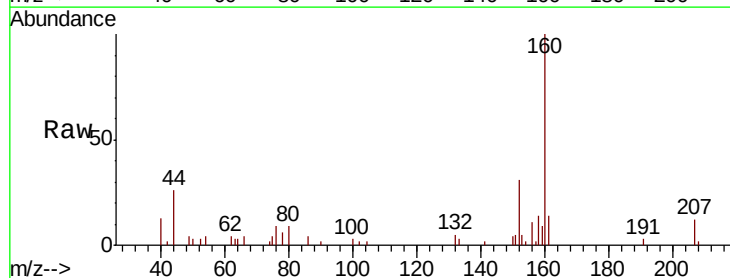
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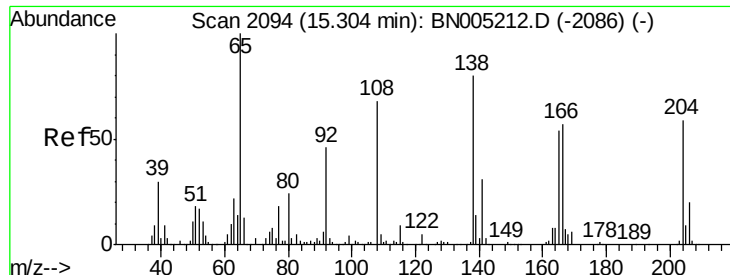
Tot Ion:165 Resp: 12075
 Ion Ratio Lower Upper
 165 100
 89 0.0 50.2 75.2#
 121 27.4 19.4 29.2



#47
 Acenaphthylene
 Concen: 4.130 ng/ul
 RT: 13.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Tgt Ion:152 Resp: 12044
 Ion Ratio Lower Upper
 152 100
 151 15.9 15.8 23.8
 153 16.0 9.8 14.8#

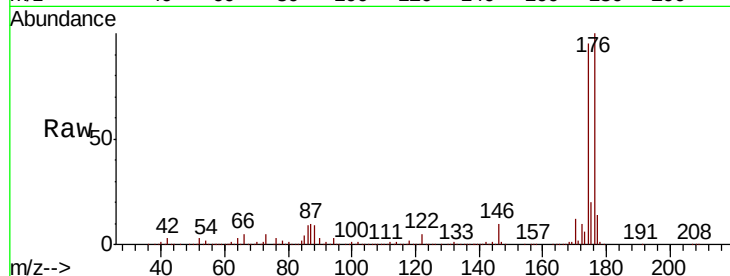




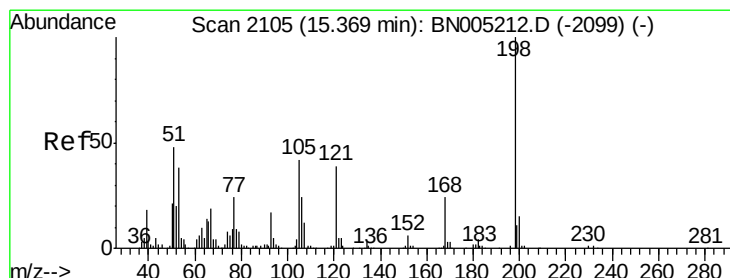
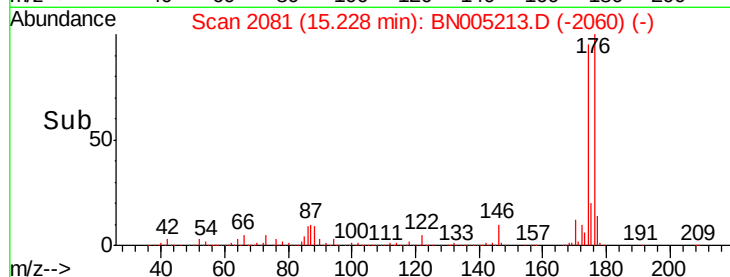
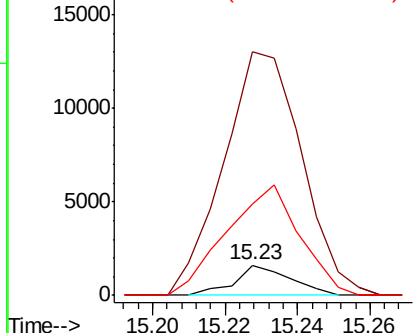
#60
4-Nitroaniline
Concen: 3.637 ng/ul
RT: 15.23 min Scan# 2081
Delta R.T. -0.08 min
Lab File: BN005213.D
Acq: 23 Apr 2019 14:20

Instrument :
BNA_N
ClientSampleId :
SBLK70

Tot Ion:138 Resp: 1752
Ion Ratio Lower Upper
138 100
92 800.6 45.3 67.9#
108 301.8 73.2 109.8#

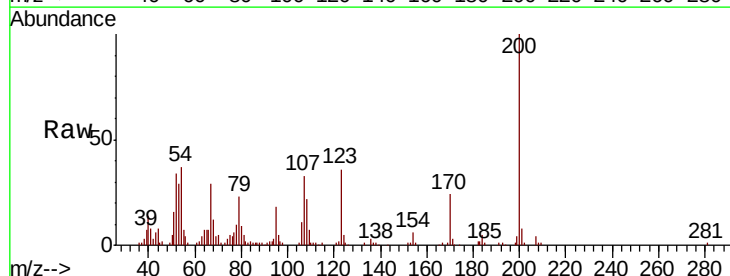


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNO
Ion 108.00 (107.70 to 108.70): E

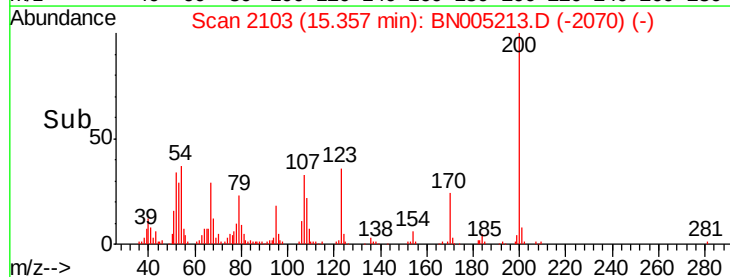
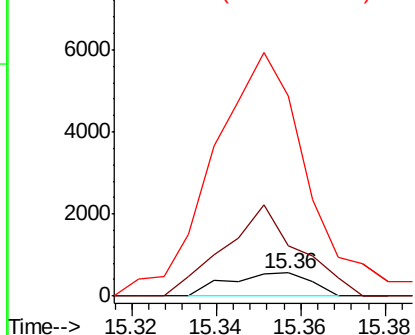


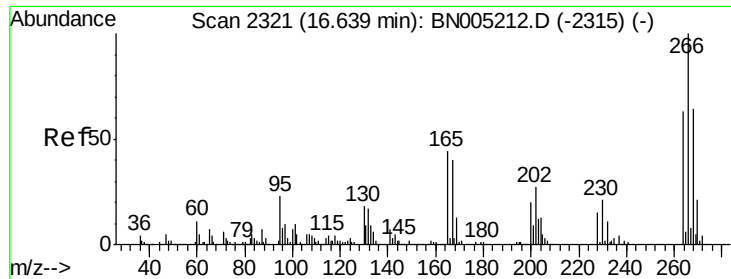
#63
4,6-Dinitro-2-methylphenol
Concen: 2.515 ng/ul
RT: 15.36 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BN005213.D
Acq: 23 Apr 2019 14:20

Tgt Ion:198 Resp: 767
Ion Ratio Lower Upper
198 100
182 213.7 3.0 4.6#
77 855.0 21.9 32.9#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): BNO

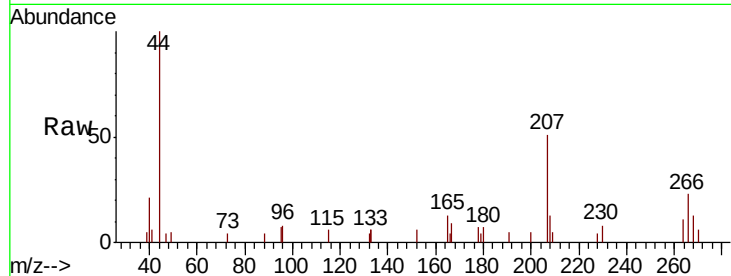




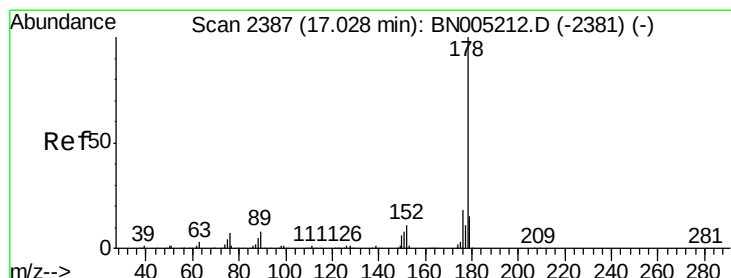
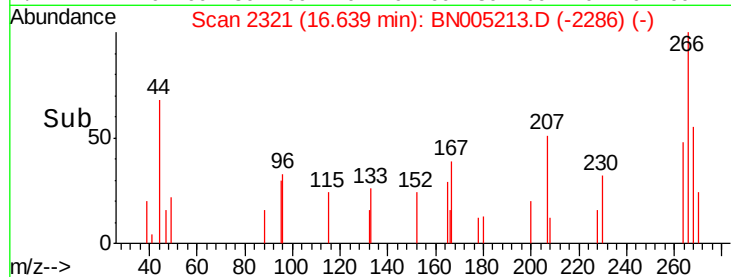
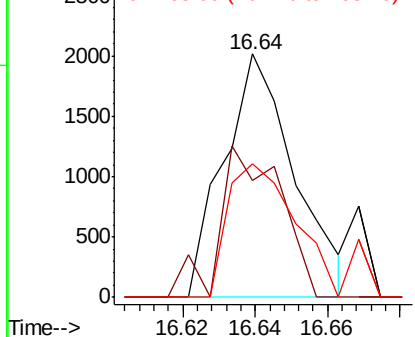
#68
 Pentachlorophenol
 Concen: 6.815 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. 0.01 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Instrument :
 BNA_N
 ClientSampleId :
 SBLK70

Tot Ion:266 Resp: 2727
 Ion Ratio Lower Upper
 266 100
 264 48.0 49.7 74.5#
 268 54.7 52.4 78.6

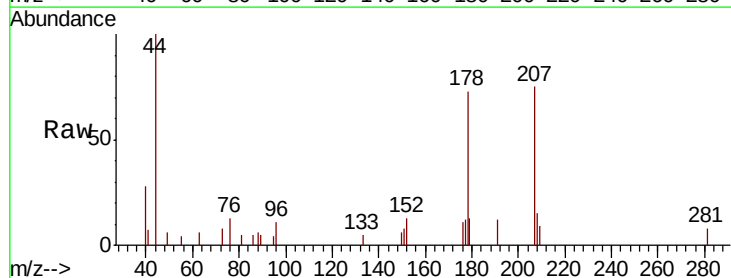


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

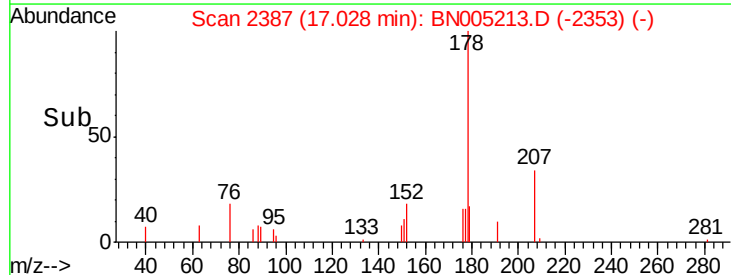
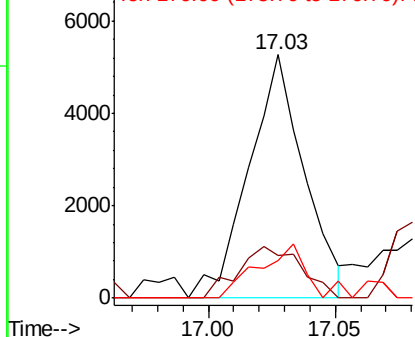


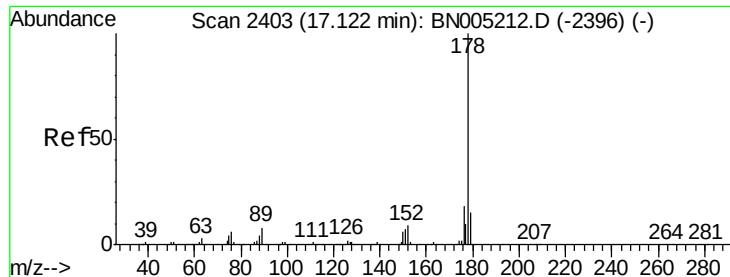
#69
 Phenanthrene
 Concen: 2.583 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. -0.00 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Tgt Ion:178 Resp: 8013
 Ion Ratio Lower Upper
 178 100
 179 17.3 12.2 18.4
 176 15.5 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

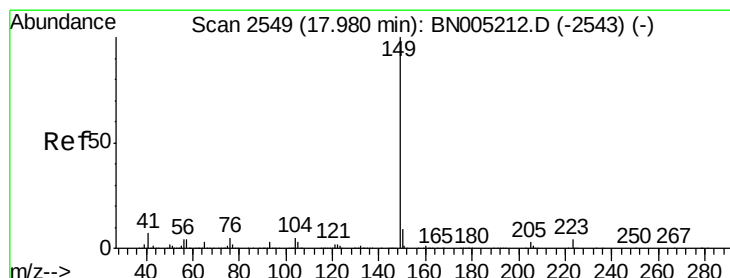
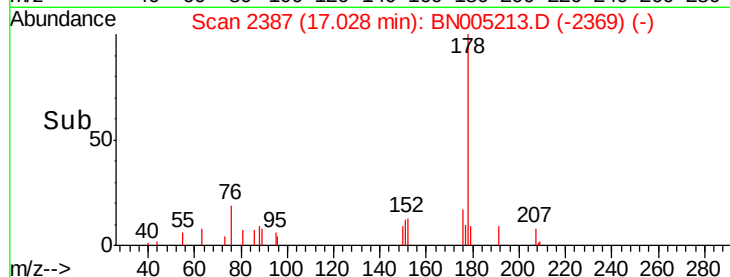
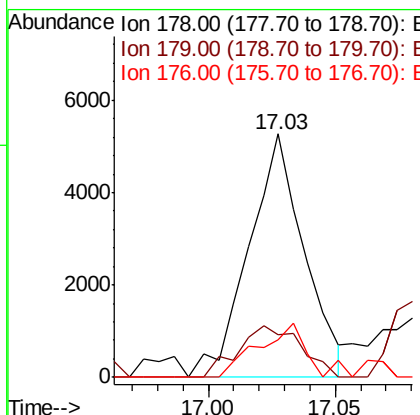
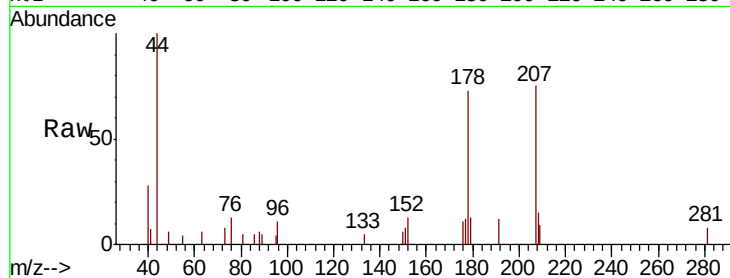




#71
 Anthracene
 Concen: 2.535 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. -0.09 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

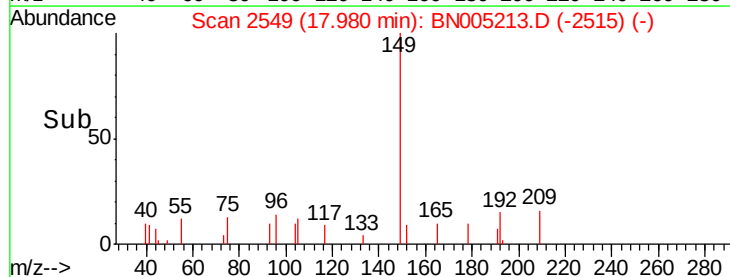
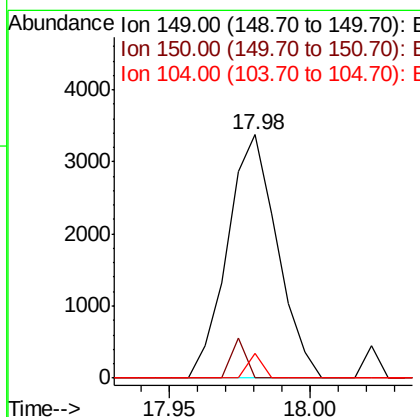
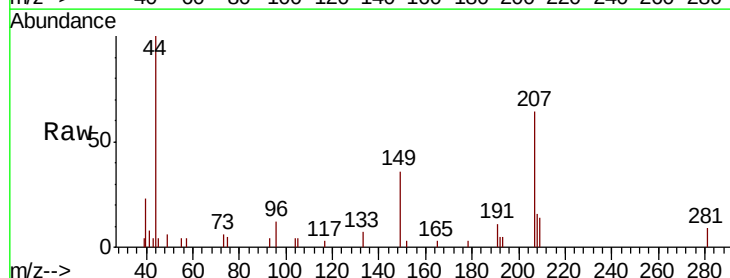
Instrument :
 BNA_N
 ClientSampleId :
 SBLK70

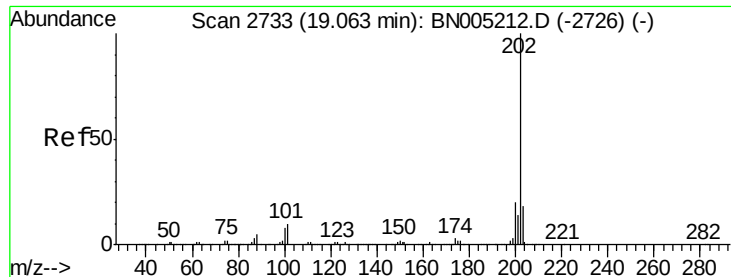
Tot Ion:178 Resp: 8013
 Ion Ratio Lower Upper
 178 100
 179 17.3 12.3 18.5
 176 15.5 15.1 22.7



#75
 Di-n-butylphthalate
 Concen: 1.212 ng/ul
 RT: 17.98 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Tgt Ion:149 Resp: 4128
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.3 10.9#
 104 10.3 4.2 6.2#

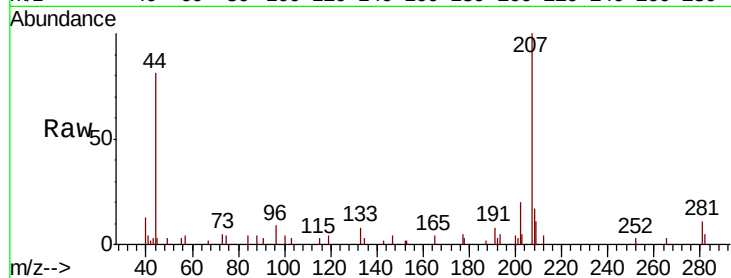




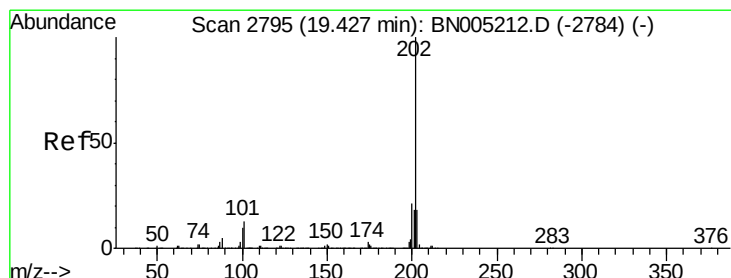
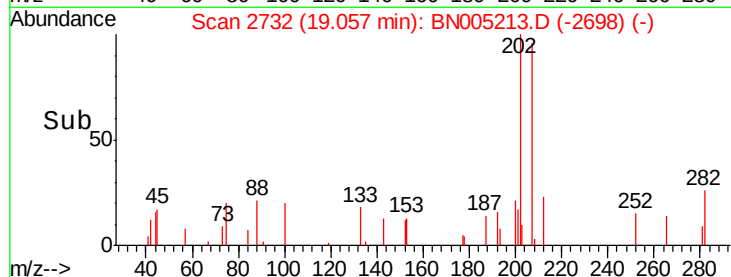
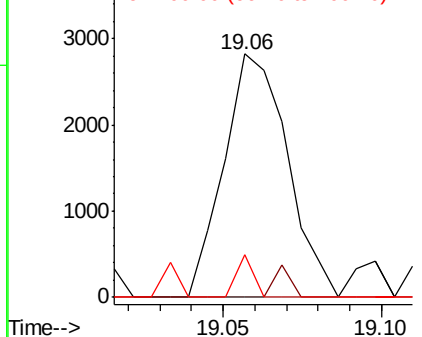
#76
 Fluoranthene
 Concen: 1.137 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Instrument :
 BNA_N
 ClientSampleId :
 SBLK70

Tot Ion:202 Resp: 3914
 Ion Ratio Lower Upper
 202 100
 101 0.0 8.6 12.8#
 100 17.7 6.3 9.5#

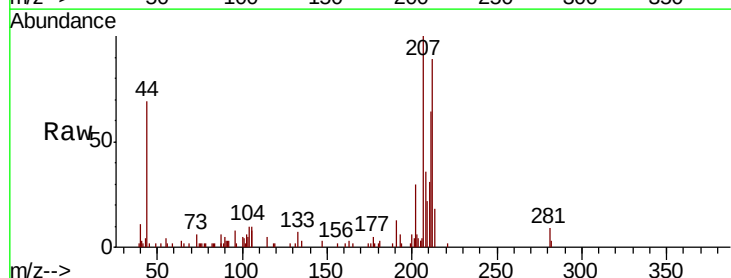


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

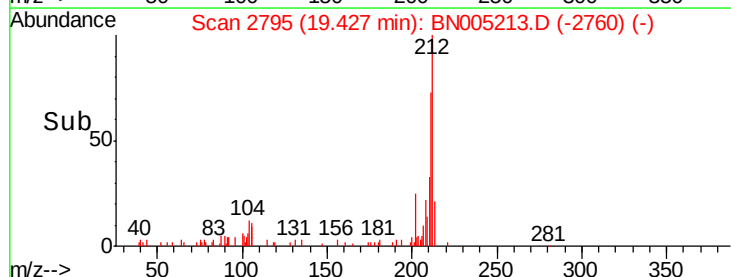
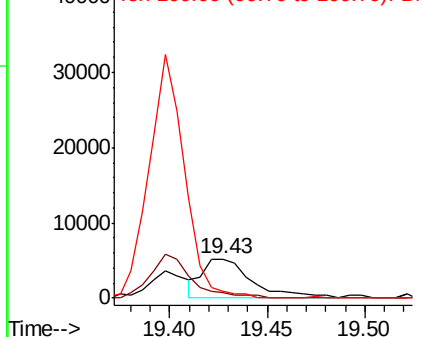


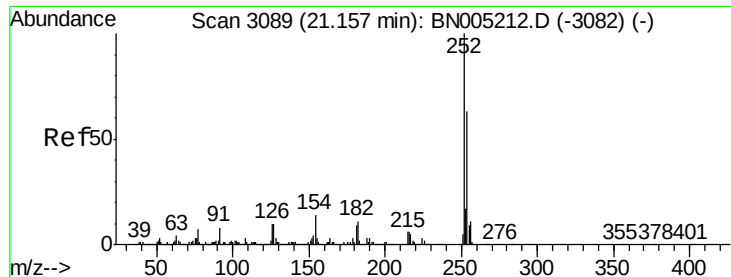
#79
 Pyrene
 Concen: 2.809 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Tgt Ion:202 Resp: 9207
 Ion Ratio Lower Upper
 202 100
 101 13.9 10.3 15.5
 100 16.8 7.9 11.9#



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

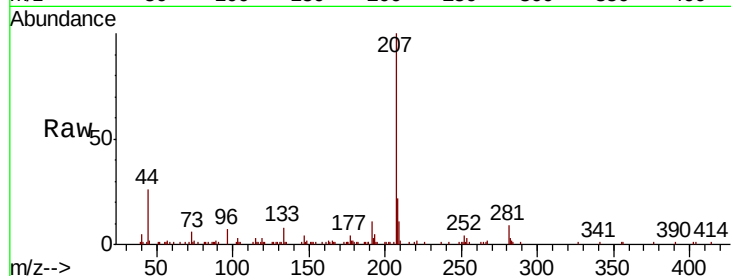




#81
 3,3'-Dichlorobenzidine
 Concen: 3.528 ng/ul
 RT: 21.15 min Scan# 3088
 Delta R.T. 0.01 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Instrument :
 BNA_N
 ClientSampleId :
 SBLK70

Tot Ion	Ratio	Lower	Upper
252	100		
254	73.2	51.1	76.7
126	30.4	9.4	14.0

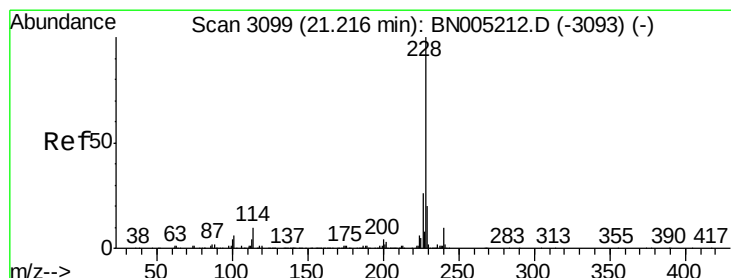
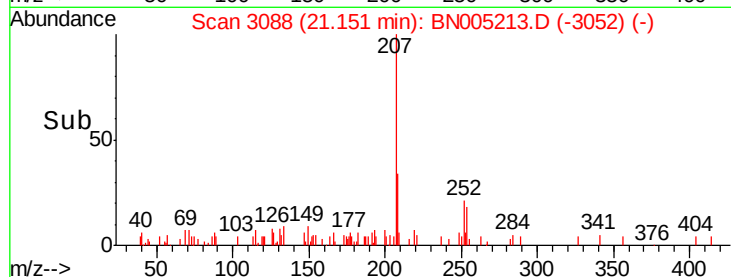
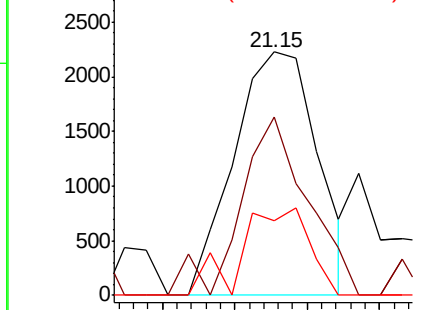


Abundance

Ion 252.00 (251.70 to 252.70): E

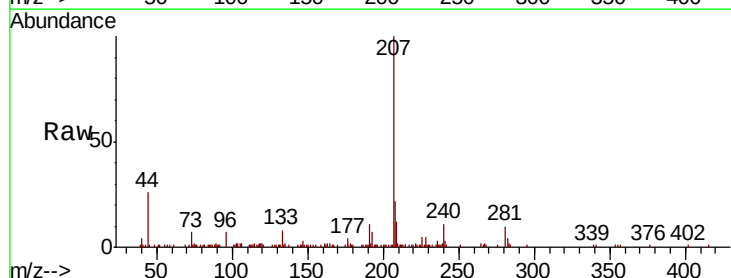
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Benzo(a)anthracene
 Concen: 1.260 ng/ul
 RT: 21.21 min Scan# 3098
 Delta R.T. 0.01 min
 Lab File: BN005213.D
 Acq: 23 Apr 2019 14:20

Tgt Ion	Ratio	Lower	Upper
228	100		
229	16.7	15.8	23.6
226	104.6	21.4	32.2

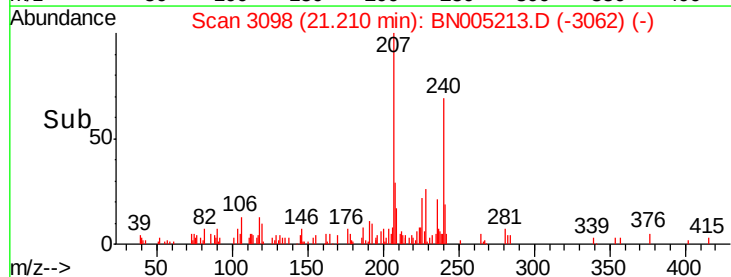
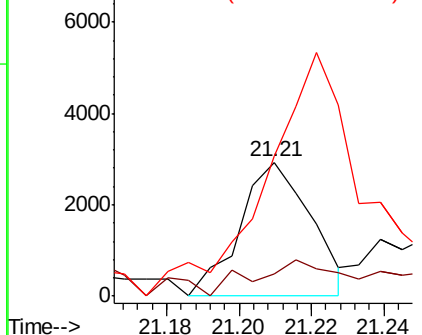


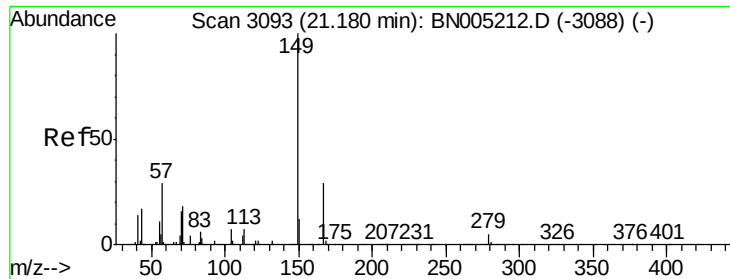
Abundance

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 21.353 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.01 min

Lab File: BN005213.D

Acq: 23 Apr 2019 14:20

Instrument :

BNA_N

ClientSampled :

SBLK70

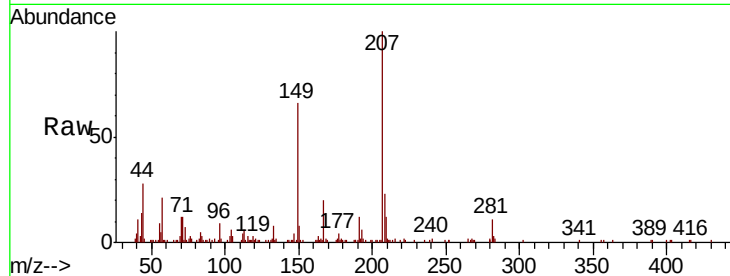
Tot Ion:149 Resp: 42672

Ion Ratio Lower Upper

149 100

167 30.3 22.3 33.5

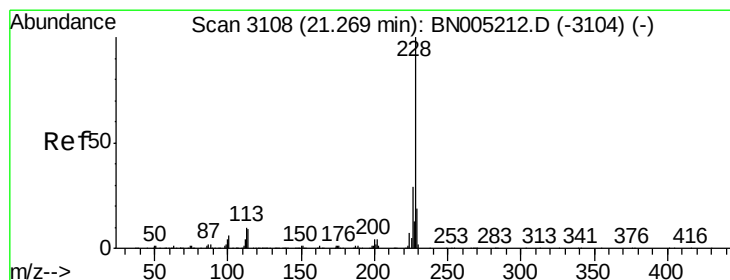
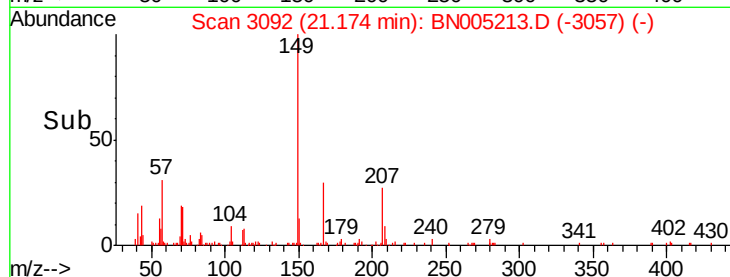
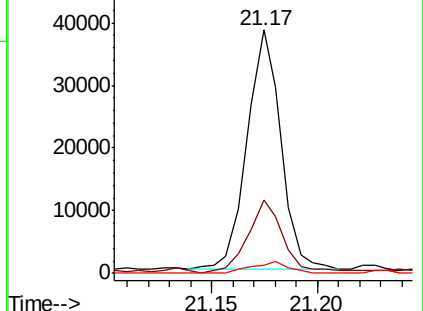
279 3.4 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 1.497 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.02 min

Lab File: BN005213.D

Acq: 23 Apr 2019 14:20

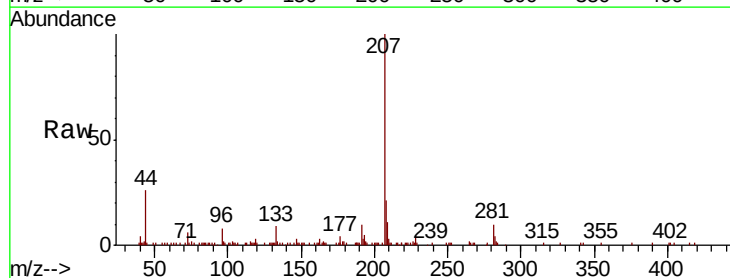
Tgt Ion:228 Resp: 4400

Ion Ratio Lower Upper

228 100

226 46.6 24.0 36.0#

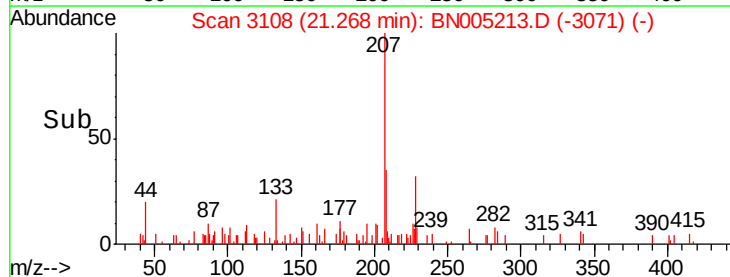
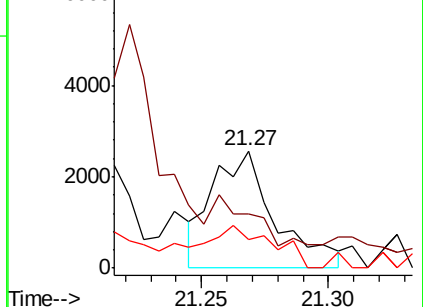
229 24.4 15.4 23.0#

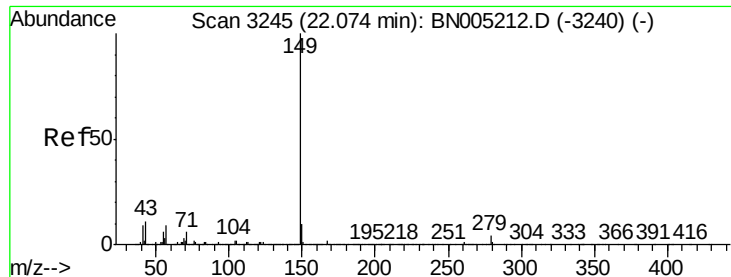


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

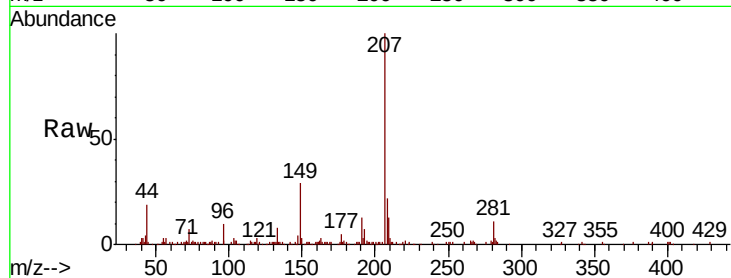




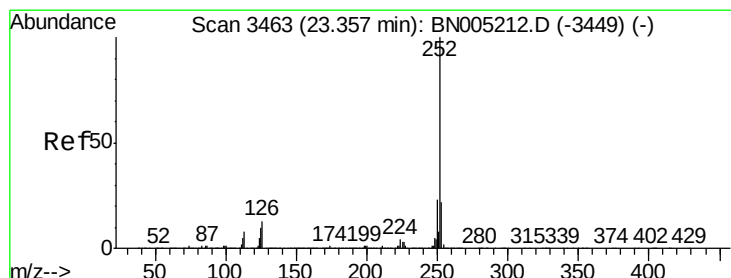
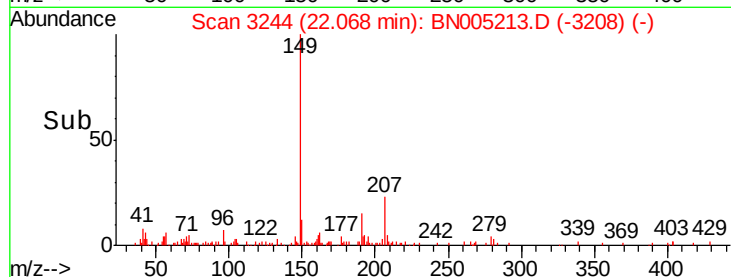
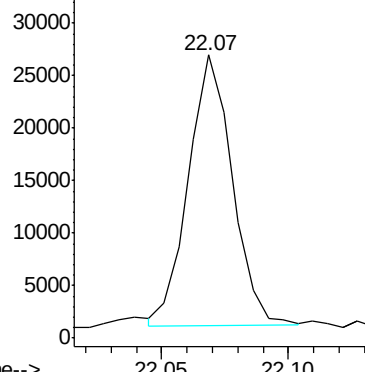
#86
Di-n-octyl phthalate
Concen: 9.563 ng/ul
RT: 22.07 min Scan# 3244
Delta R.T. 0.01 min
Lab File: BN005213.D
Acq: 23 Apr 2019 14:20

Instrument :
BNA_N
ClientSampleId :
SBLK70

Tgt Ion:149 Resp: 31045

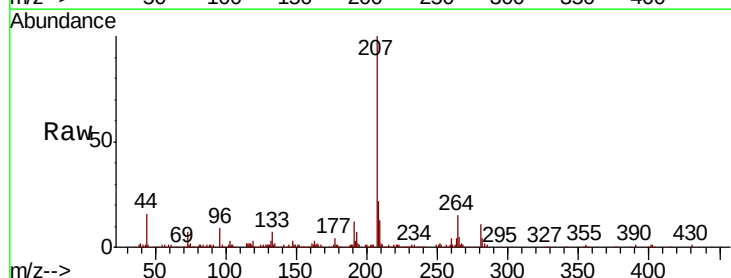


Abundance Ion 149.00 (148.70 to 149.70): E



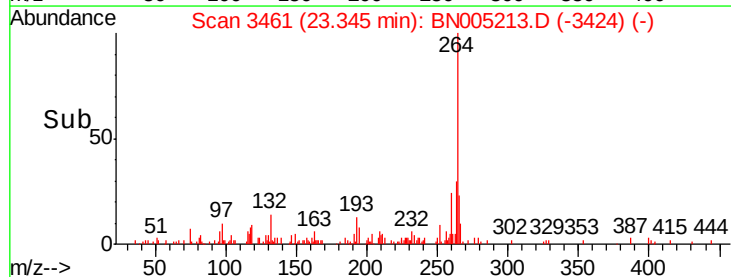
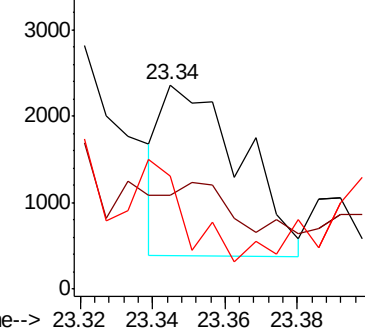
#90
Benzo(a)pyrene
Concen: 1.069 ng/ul
RT: 23.34 min Scan# 3461
Delta R.T. 0.02 min
Lab File: BN005213.D
Acq: 23 Apr 2019 14:20

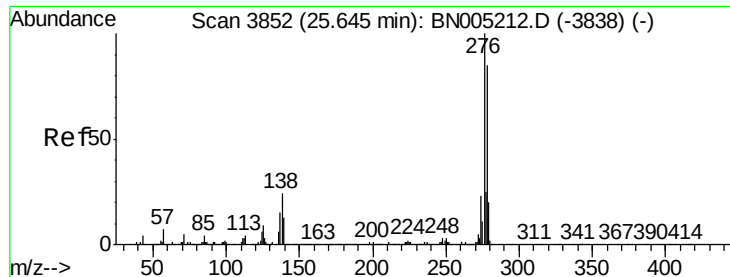
Tgt Ion:252 Resp: 2995
Ion Ratio Lower Upper
252 100
253 46.0 17.3 25.9#
125 55.4 8.6 13.0#



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



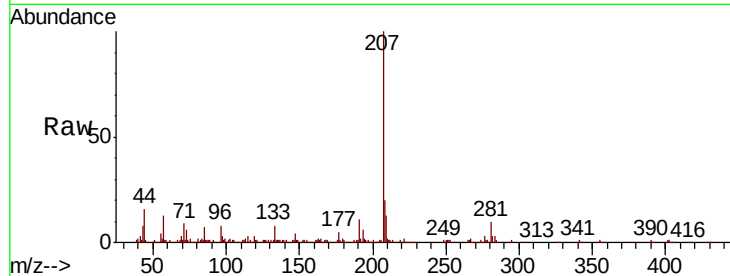


#91

Indeno(1,2,3-cd)pyrene
Concen: 1.609 ng/ul
RT: 25.63 min Scan# 3849
Delta R.T. 0.02 min
Lab File: BN005213.D
Acq: 23 Apr 2019 14:20

Instrument :
BNA_N
ClientSampleId :
SBLK70

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	17.9	26.9
277	26.8	19.7	29.5

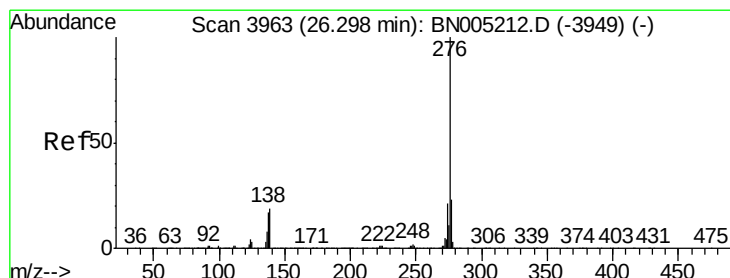
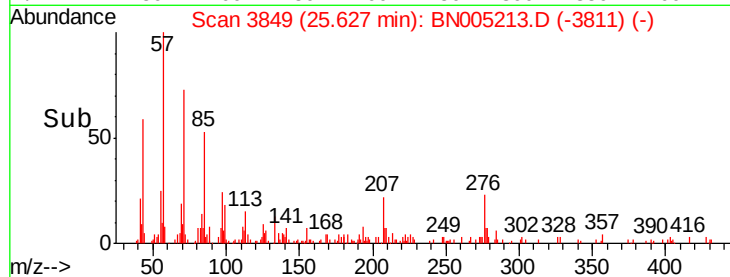
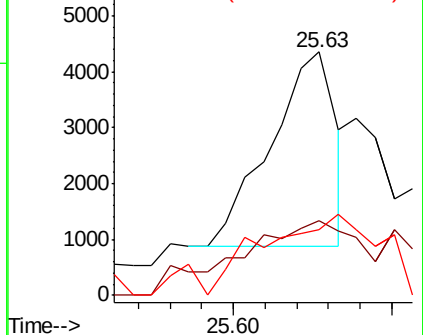


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

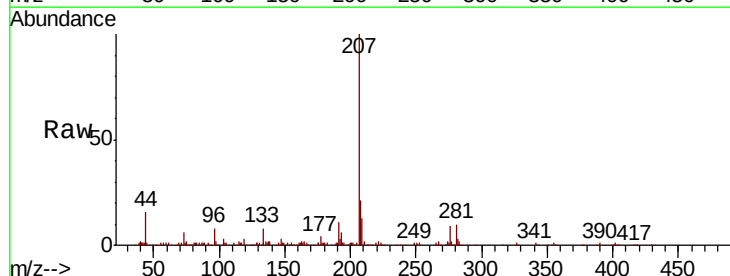
Ion 277.00 (276.70 to 277.70): E



#93

Benzo(g,h,i)perylene
Concen: 14.526 ng/ul
RT: 26.29 min Scan# 3962
Delta R.T. 0.03 min
Lab File: BN005213.D
Acq: 23 Apr 2019 14:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.7	25.1
277	26.9	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

