

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010010.D
 Acq On : 29 Feb 2020 06:19
 Operator : CG/JU
 Sample : L1507-22RX
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 02 05:53:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 29 01:38:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	88627	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	384288	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.03	164	247622	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.80	188	152226	20.00	ng/ul	0.03
78) Chrysene-d12	21.05	240	462397	20.00	ng/ul	0.05
86) Perylene-d12	23.12	264	467624	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	890	0.41	ng/uL	0.01
5) Phenol-d5	6.60	99	26477	3.51	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.74	67	18353	3.53	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	20509	3.61	ng/ul	0.01
13) 4-Methylphenol-d8	8.10	113	22764	3.80	ng/ul	0.01
19) Nitrobenzene-d5	8.53	128	11879	4.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	12149	3.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	23726	4.01	ng/ul	0.02
29) 4-Chloroaniline-d4	10.24	131	16581	2.50	ng/ul	-0.04
44) Dimethylphthalate-d6	13.46	166	78829	4.26	ng/ul	0.02
47) Acenaphthylene-d8	13.71	160	92055	4.23	ng/ul	0.00
52) 4-Nitrophenol-d4	14.25	143	19983	5.92	ng/ul	-0.01
58) Fluorene-d10	15.04	176	86002	5.39	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.21	200	302	0.32	ng/ul	0.03
71) Anthracene-d10	16.95	188	102759	14.73	ng/ul	0.07
79) Pyrene-d10	19.23	212	27297	1.13	ng/ul	0.05
90) Benzo(a)pyrene-d12	22.99	264	101839	4.36	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.63	94	12899	1.597	ng/ul#	1
14) Acetophenone	8.20	105	26153	2.677	ng/ul	96
16) 4-Methylphenol	8.18	108	9037	1.393	ng/ul	90
34) 2-Methylnaphthalene	11.79	142	153915	10.696	ng/ul	93
35) 1-Methylnaphthalene	12.02	142	334303	23.178	ng/uL	100
48) Acenaphthylene	13.74	152	2716524	115.216	ng/ul	98
54) Dibenzofuran	14.45	168	18715010	824.947	ng/ul	96
55) 2,4-Dinitrotoluene	14.45	165	94541	16.884	ng/ul#	1
59) Fluorene	15.12	166	3601594	189.169	ng/ul#	99
61) 4-Nitroaniline	15.13	138	378067	88.881	ng/ul#	15
64) 4,6-Dinitro-2-methylphenol	15.25	198	5244	5.148	ng/ul#	1
65) N-Nitrosodiphenylamine	15.32	169	335997	74.391	ng/ul#	1
68) Atrazine	16.33	200	6140	3.584	ng/ul#	10
70) Phenanthrene	16.97	178	13116287	1509.778	ng/ul#	89
72) Anthracene	16.97	178	13116287	1476.882	ng/ul#	89
75) Carbazole	17.22	167	702331	89.801	ng/ul#	85
76) Di-n-butylphthalate	17.79	149	160332	16.609	ng/ul#	91
77) Fluoranthene	18.81	202	176059	17.301	ng/ul#	38
80) Pyrene	19.18	202	167618	5.028	ng/ul#	77
83) Benzo(a)anthracene	21.09	228	17420556	548.225	ng/ul#	86
84) Bis(2-ethylhexyl)phthalate	20.95	149	187717	8.972	ng/ul	97
85) Chrysene	21.09	228	17420556	556.864	ng/ul#	89
88) Benzo(b)fluoranthene	22.52	252	9896525	326.414	ng/ul	98

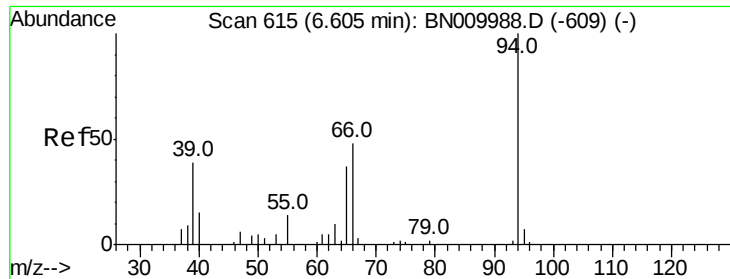
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022820\
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	22.52	252	9896525	344.728	ng/ul	96
91) Benzo(a)pyrene	23.04	252	3096418	113.550	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.16	276	1178475	36.400	ng/ul	94
93) Dibenzo(a,h)anthracene	25.16	278	396135	14.303	ng/ul#	83
94) Benzo(g,h,i)perylene	25.78	276	728593	26.839	ng/ul	97

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



#6

Phenol

Concen: 1.597 ng/ul

RT: 6.63 min Scan# 619

Delta R.T. 0.02 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

ClientSampled :

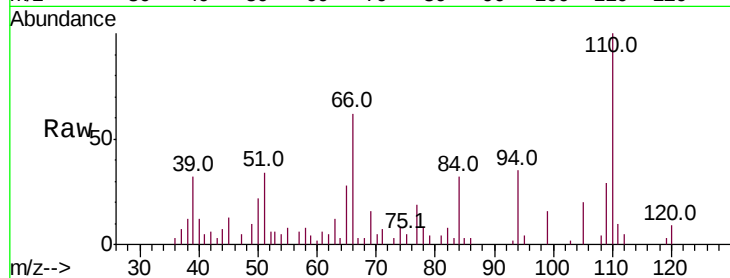
Tot Ion: 94 Resp: 12899

Ion Ratio Lower Upper

94 100

65 79.9 27.6 41.4#

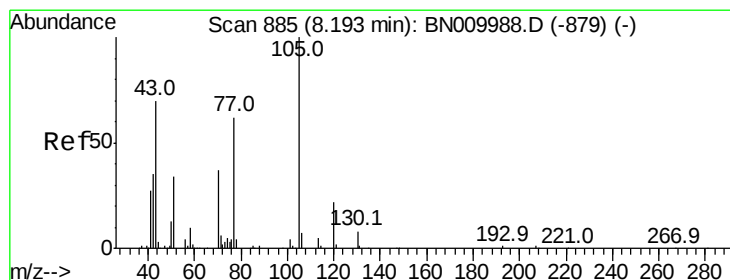
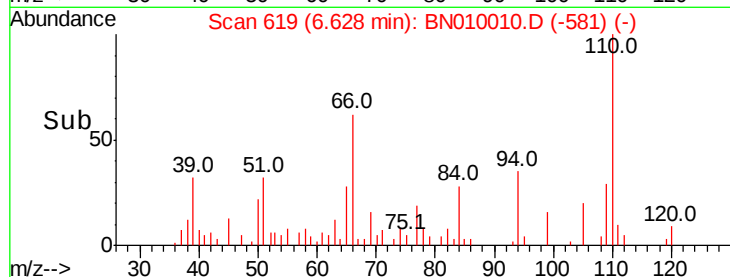
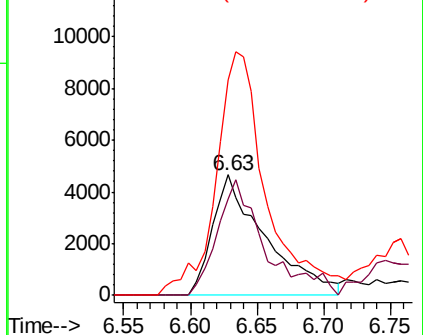
66 178.8 38.5 57.7#



Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0



#14

Acetophenone

Concen: 2.677 ng/ul

RT: 8.20 min Scan# 887

Delta R.T. 0.01 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

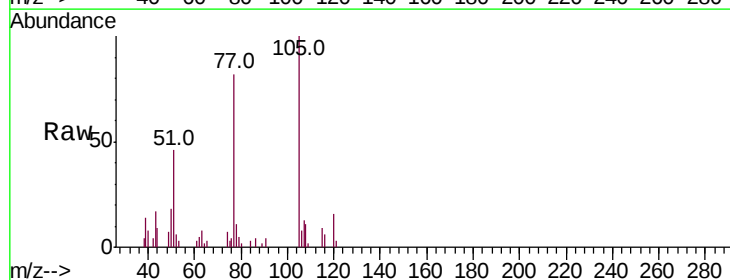
Tgt Ion:105 Resp: 26153

Ion Ratio Lower Upper

105 100

77 81.9 68.9 103.3

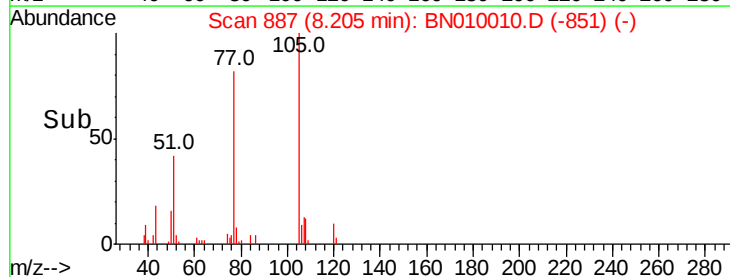
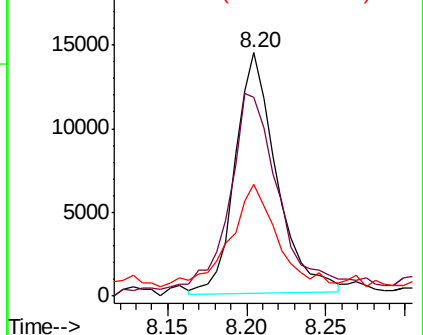
51 46.2 35.6 53.4

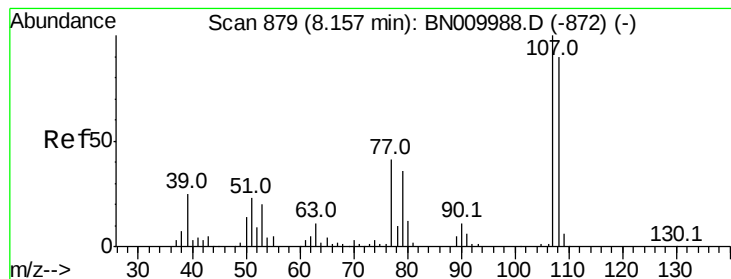


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BN0

Ion 51.00 (50.70 to 51.70): BN0





#16

4-Methylphenol

Concen: 1.393 ng/ul

RT: 8.18 min Scan# 883

Delta R.T. 0.02 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

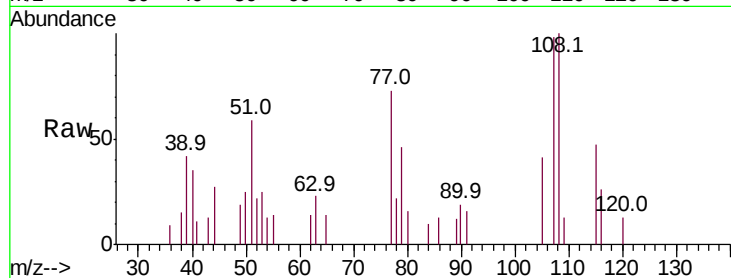
ClientSampleId :

Tot Ion:108 Resp: 9037

Ion Ratio Lower Upper

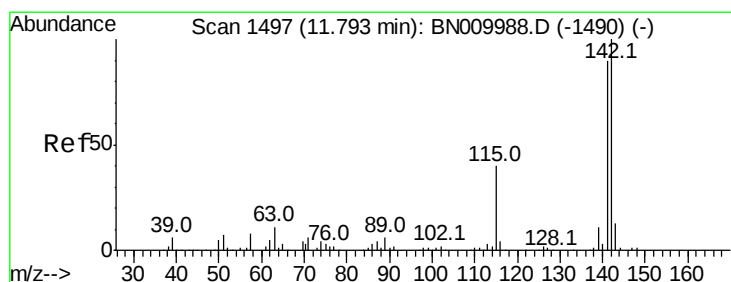
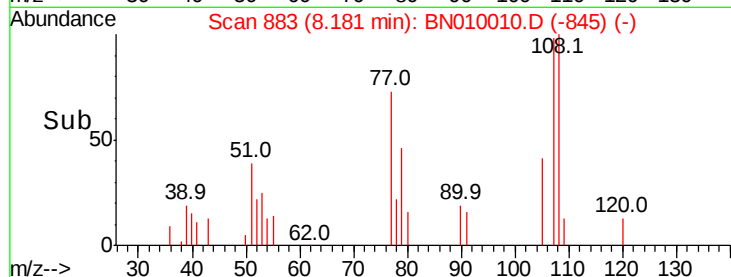
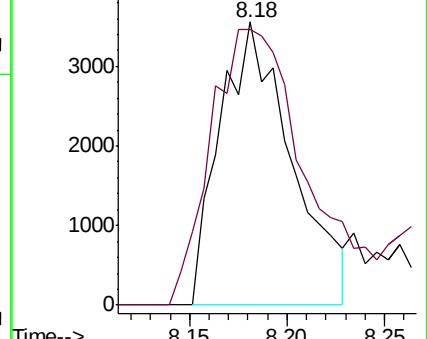
108 100

107 97.6 86.4 129.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#34

2-Methylnaphthalene

Concen: 10.696 ng/ul

RT: 11.79 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BN010010.D

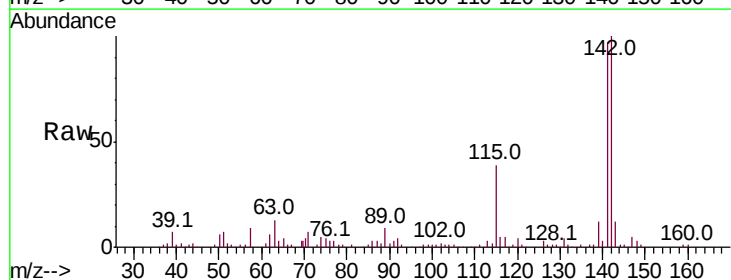
Acq: 29 Feb 2020 06:19

Tgt Ion:142 Resp: 153915

Ion Ratio Lower Upper

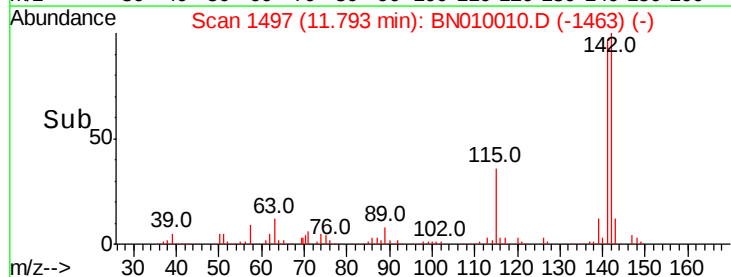
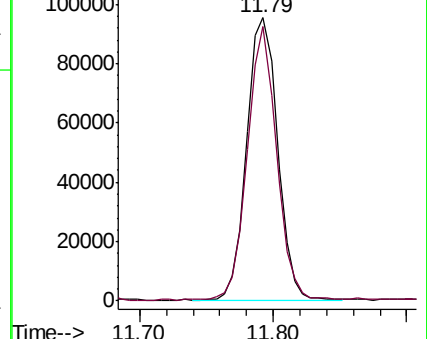
142 100

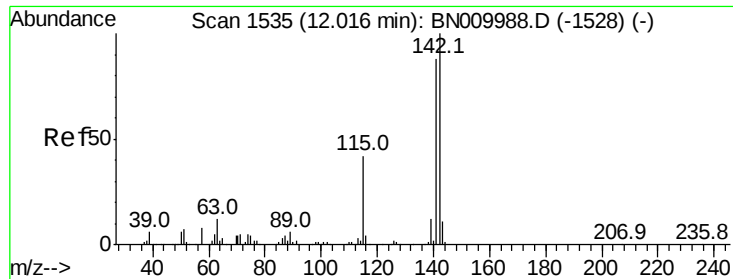
141 97.1 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 23.178 ng/uL

RT: 12.02 min Scan# 1535

Delta R.T. 0.00 min

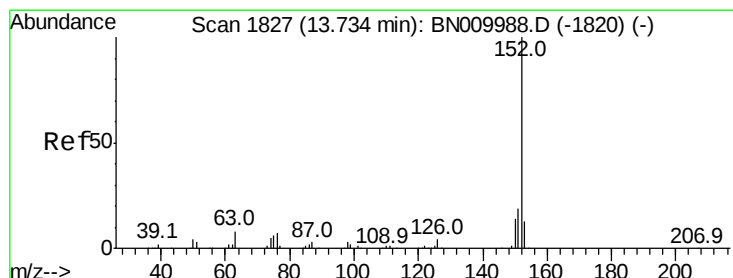
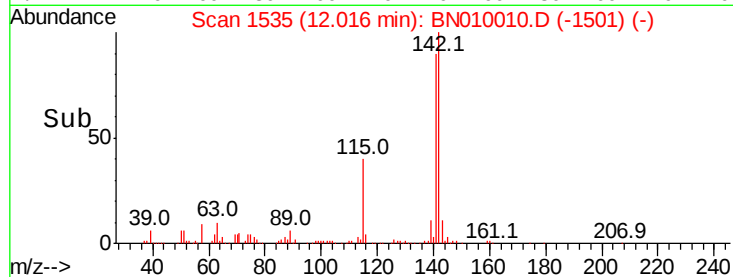
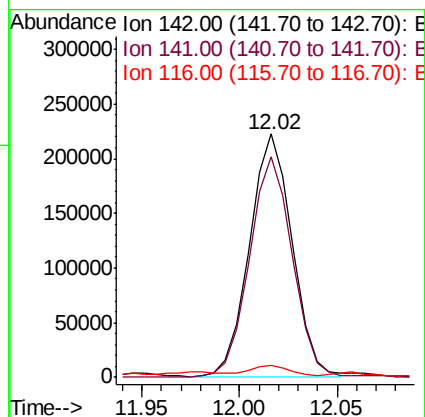
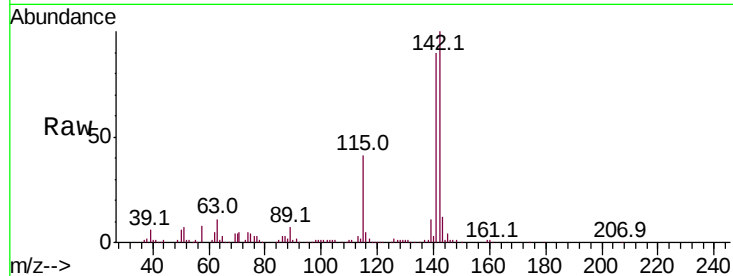
Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :
BNA_N
ClientSampleId :

Tot Ion:142 Resp: 334303

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.8	109.2
116	4.4	3.2	4.8



#48

Acenaphthylene

Concen: 115.216 ng/uL

RT: 13.74 min Scan# 1828

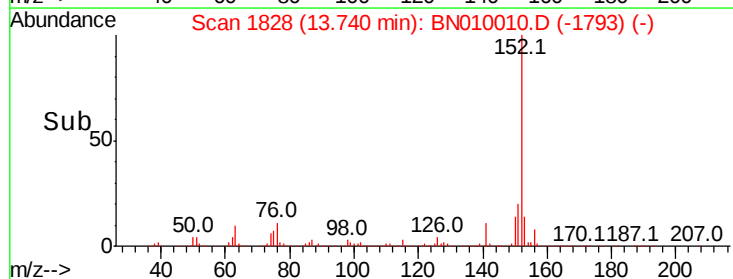
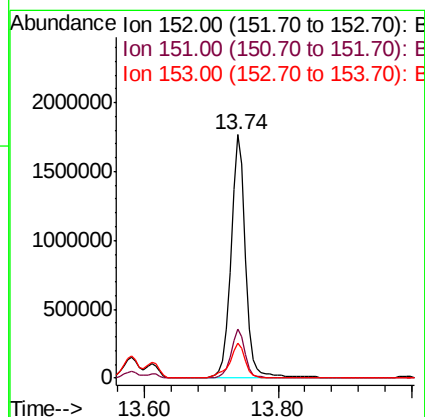
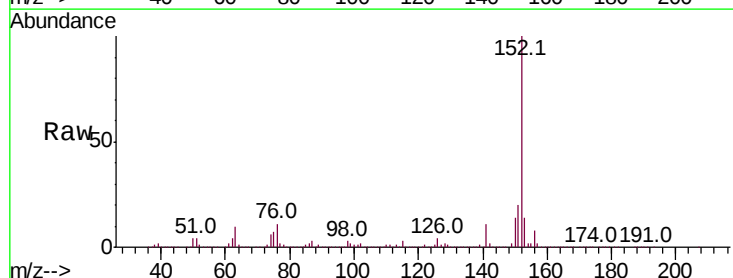
Delta R.T. 0.01 min

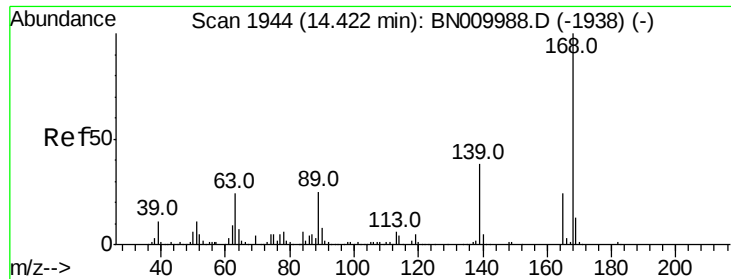
Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Tgt Ion:152 Resp: 2716524

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	14.4	10.3	15.5





#54

Dibenzofuran

Concen: 824.947 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. 0.03 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

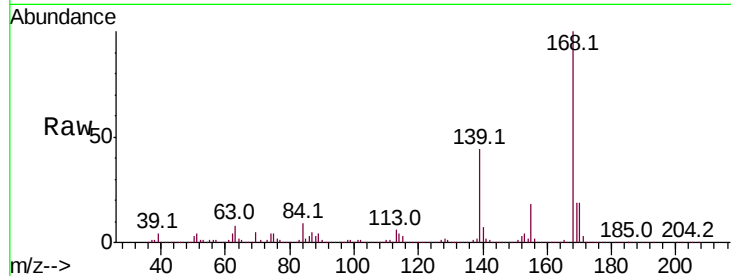
ClientSampled :

Tot Ion:168 Resp:18715010

Ion Ratio Lower Upper

168 100

139 43.7 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.45

8000000

6000000

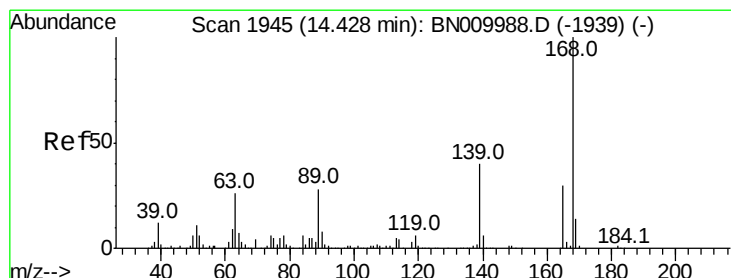
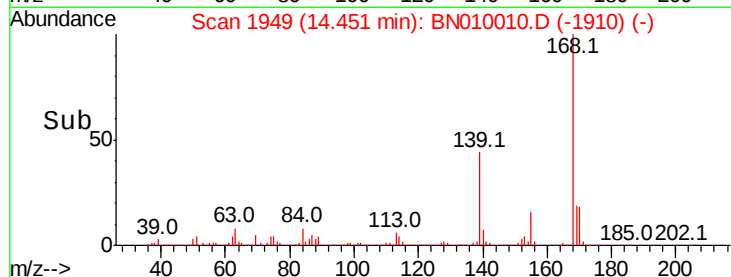
4000000

2000000

0

14.35 14.40 14.45 14.50

Time-->



#55

2,4-Dinitrotoluene

Concen: 16.884 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. 0.02 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

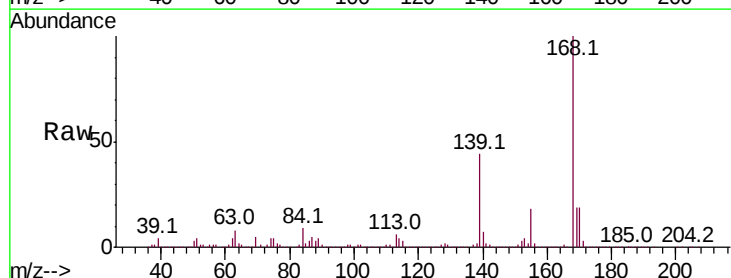
Tgt Ion:165 Resp: 94541

Ion Ratio Lower Upper

165 100

63 850.2 68.3 102.5#

182 5.8 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E

1000000

800000

600000

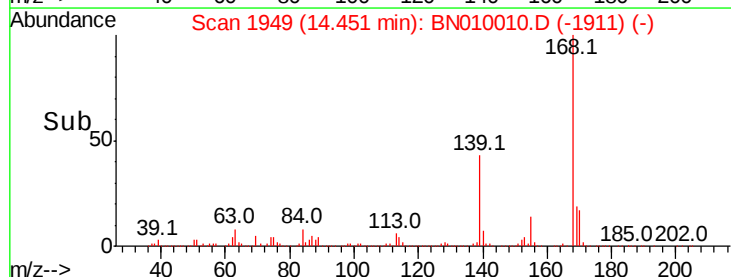
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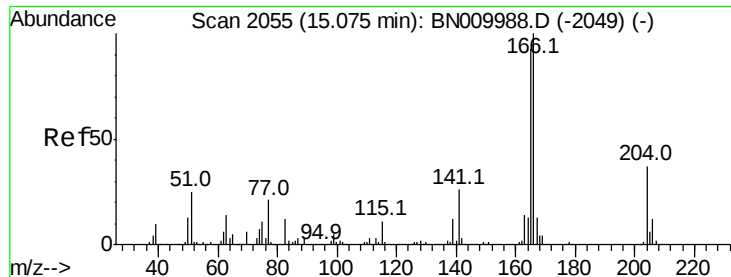
200000

0

14.40 14.45 14.50

Time-->

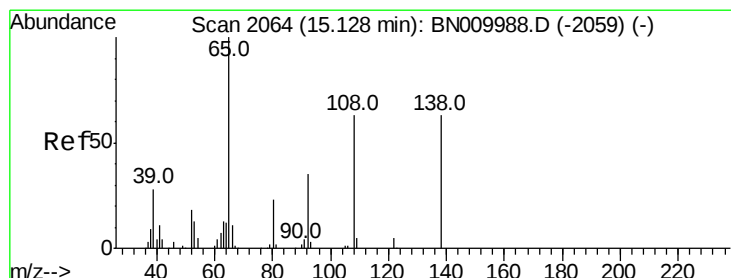
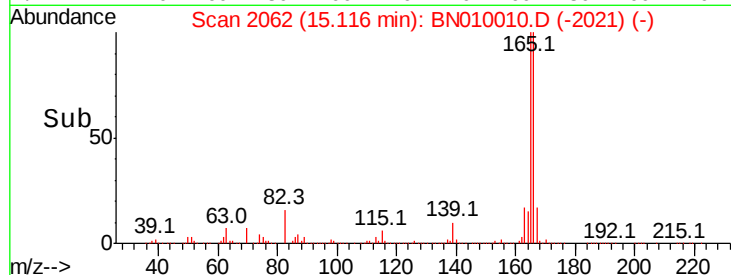
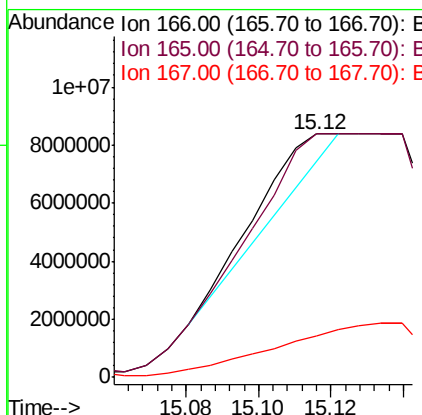
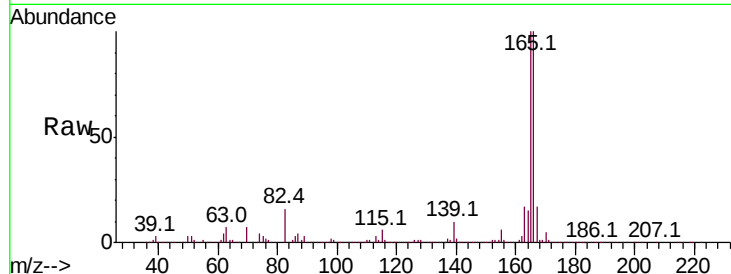




#59
 Fluorene
 Concen: 189.169 ng/ul
 RT: 15.12 min Scan# 2062
 Delta R.T. 0.04 min
 Lab File: BN010010.D
 Acq: 29 Feb 2020 06:19

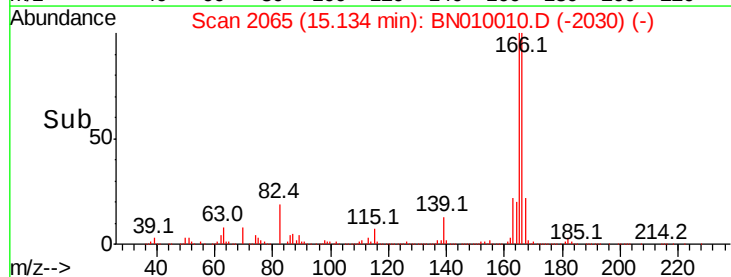
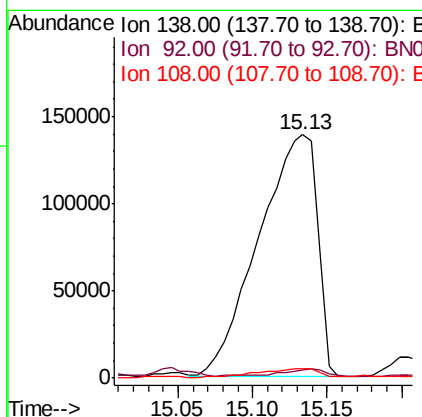
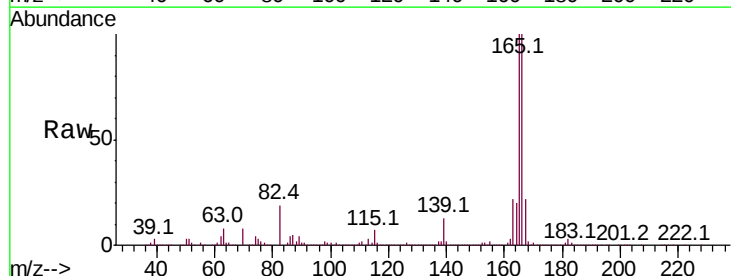
Instrument :
 BNA_N
 ClientSampleId :

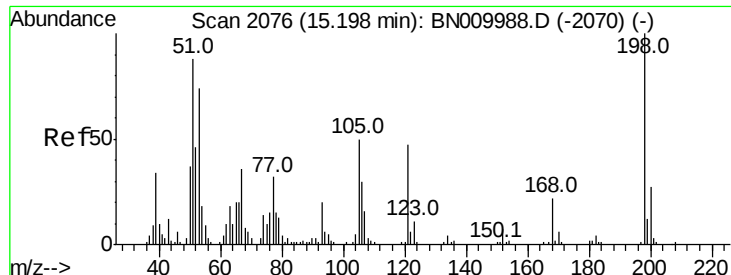
Tot Ion:166 Resp: 3601594
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.8 119.8
 167 17.2 10.7 16.1#



#61
 4-Nitroaniline
 Concen: 88.881 ng/ul
 RT: 15.13 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: BN010010.D
 Acq: 29 Feb 2020 06:19

Tgt Ion:138 Resp: 378067
 Ion Ratio Lower Upper
 138 100
 92 3.1 47.8 71.6#
 108 3.8 72.3 108.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.148 ng/ul

RT: 15.25 min Scan# 2084

Delta R.T. 0.05 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

ClientSampleId :

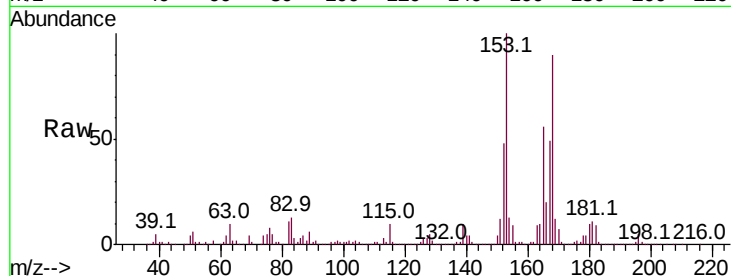
Tot Ion:198 Resp: 5244

Ion Ratio Lower Upper

198 100

182 3610.9 3.7 5.5#

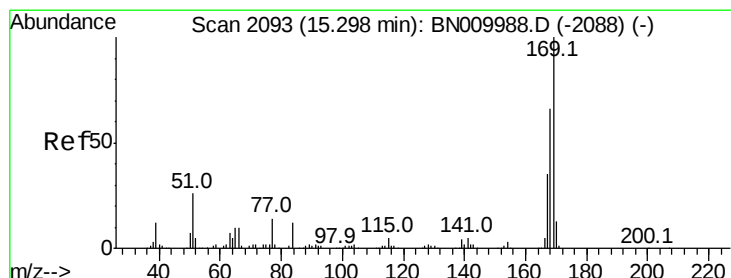
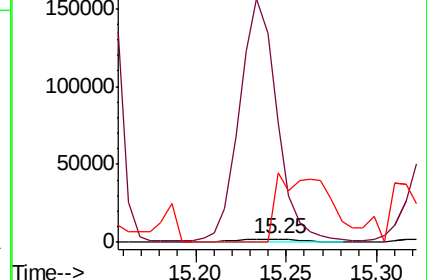
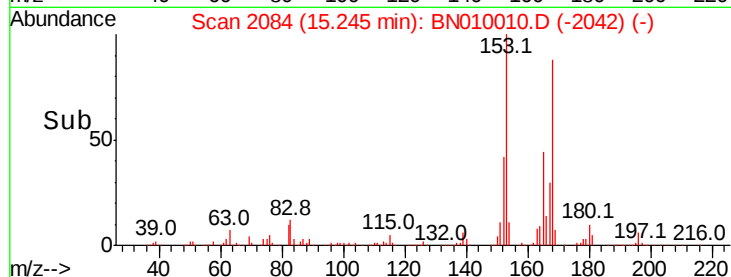
77 2103.3 25.1 37.7#



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): BNC



#65

N-Nitrosodiphenylamine

Concen: 74.391 ng/ul

RT: 15.32 min Scan# 2096

Delta R.T. 0.02 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

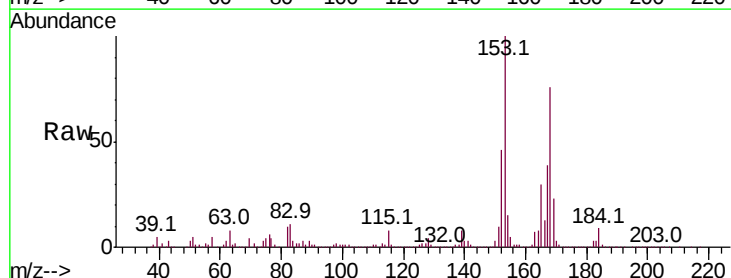
Tgt Ion:169 Resp: 335997

Ion Ratio Lower Upper

169 100

168 330.1 51.8 77.6#

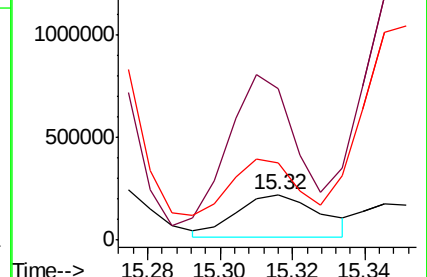
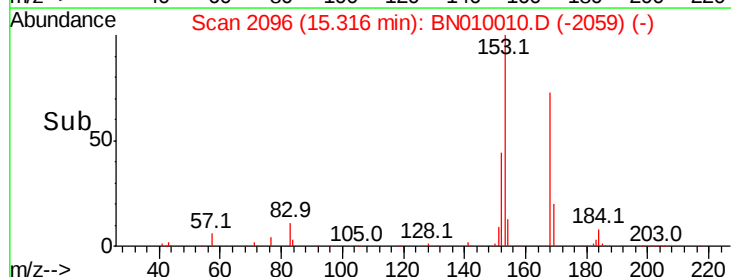
167 169.2 27.7 41.5#

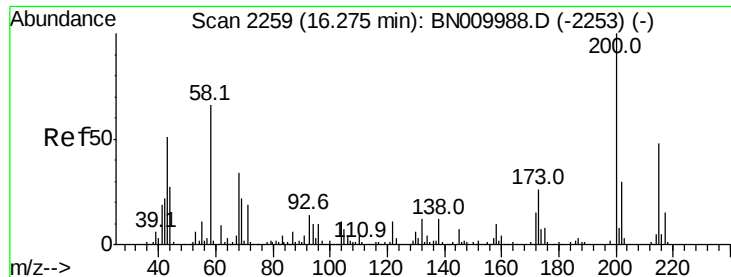


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 3.584 ng/ul

RT: 16.33 min Scan# 2268

Delta R.T. 0.05 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

ClientSampleId :

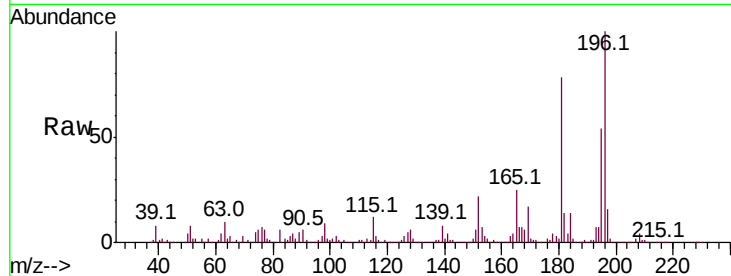
Tot Ion:200 Resp: 6140

Ion Ratio Lower Upper

200 100

173 113.5 22.1 33.1#

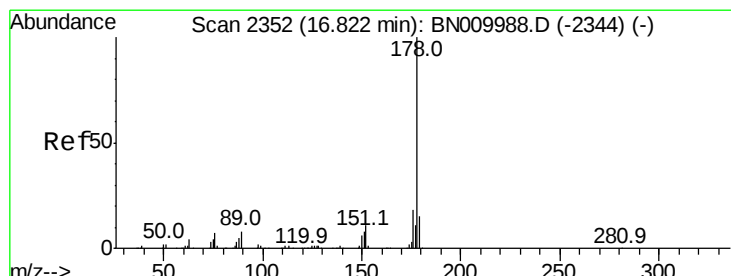
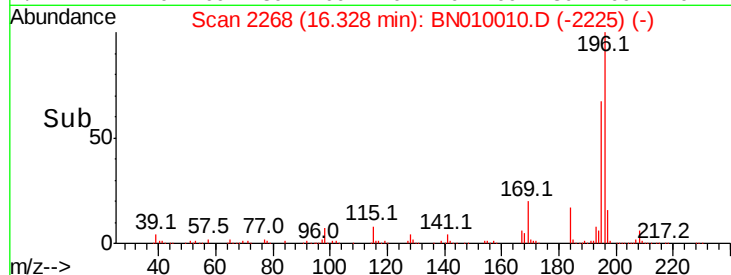
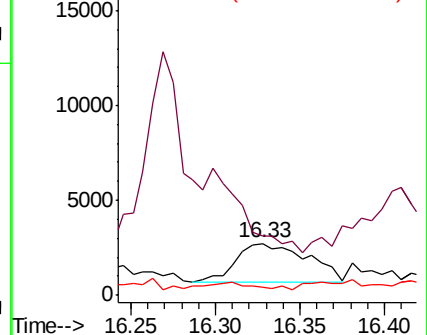
215 16.3 41.6 62.4#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Phenanthrene

Concen: 1509.778 ng/ul

RT: 16.97 min Scan# 2378

Delta R.T. 0.15 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

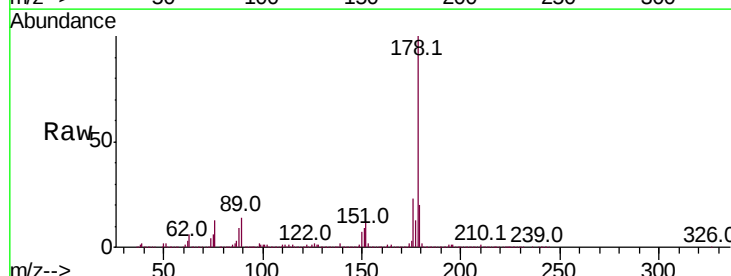
Tgt Ion:178 Resp:13116287

Ion Ratio Lower Upper

178 100

179 20.4 12.5 18.7#

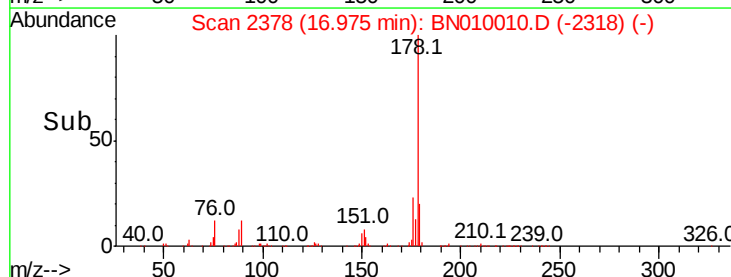
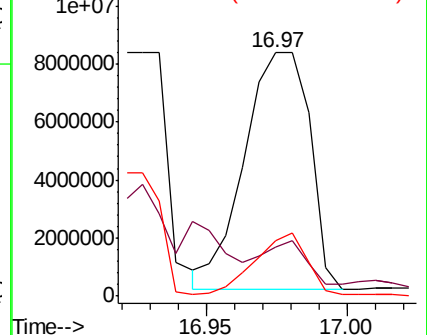
176 22.7 14.6 22.0#

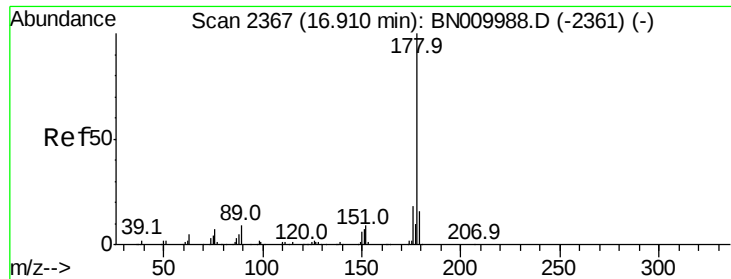


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1476.882 ng/ul

RT: 16.97 min Scan# 2378

Delta R.T. 0.06 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

ClientSampleId :

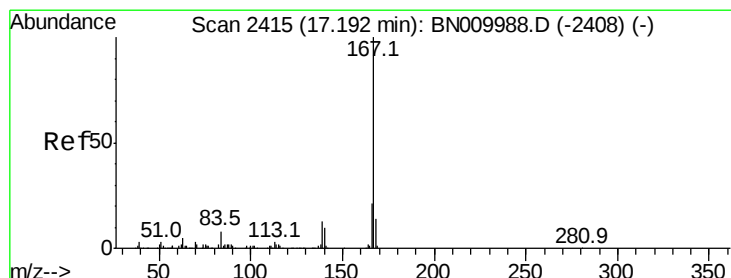
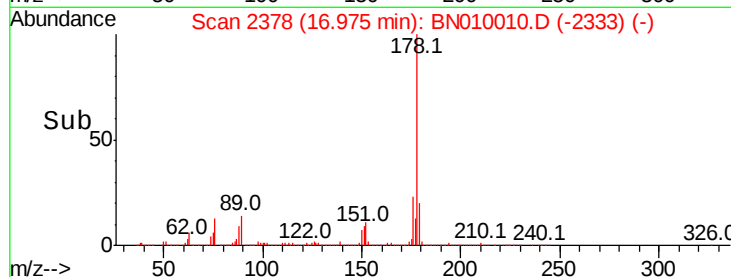
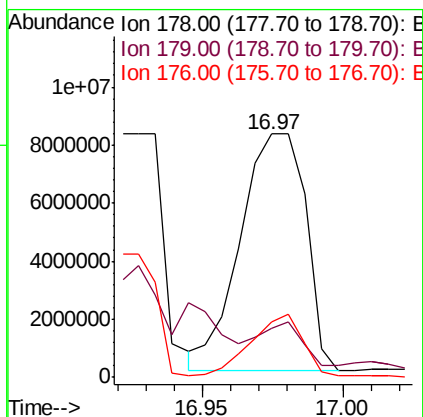
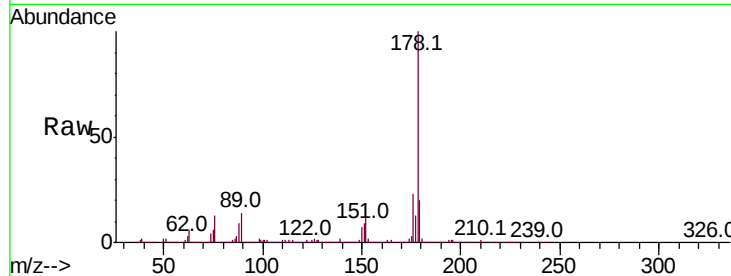
Tot Ion:178 Resp:13116287

Ion Ratio Lower Upper

178 100

179 20.4 12.2 18.2#

176 22.7 14.6 21.8#



#75

Carbazole

Concen: 89.801 ng/ul

RT: 17.22 min Scan# 2419

Delta R.T. 0.02 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

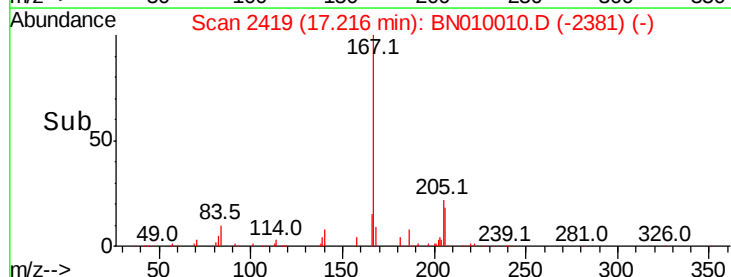
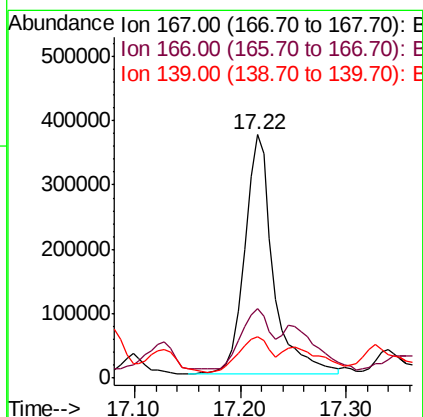
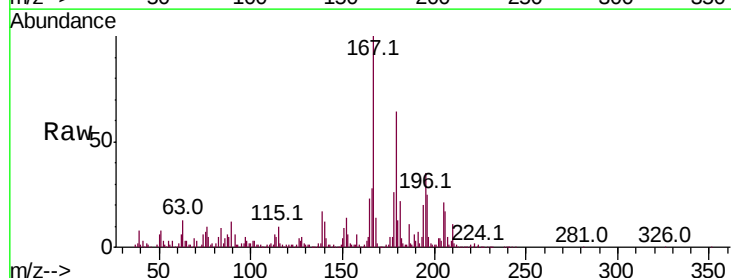
Tgt Ion:167 Resp: 702331

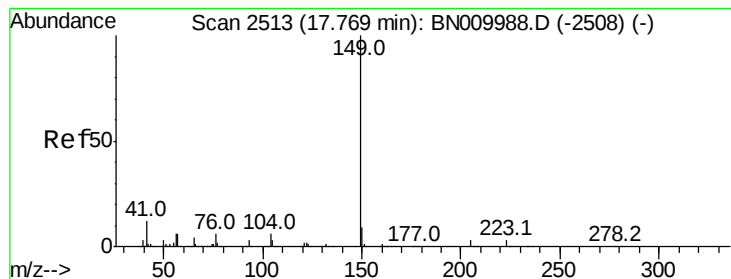
Ion Ratio Lower Upper

167 100

166 28.5 16.6 24.8#

139 16.8 9.9 14.9#





#76

Di-n-butylphthalate

Concen: 16.609 ng/ul

RT: 17.79 min Scan# 2517

Delta R.T. 0.02 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

ClientSampleId :

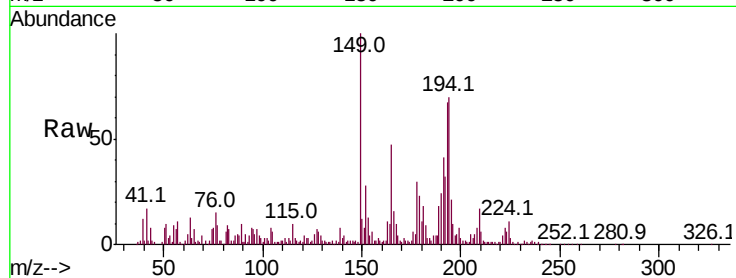
Tot Ion:149 Resp: 160332

Ion Ratio Lower Upper

149 100

150 12.4 7.0 10.6#

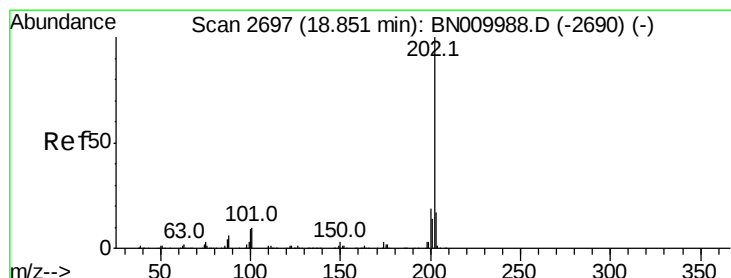
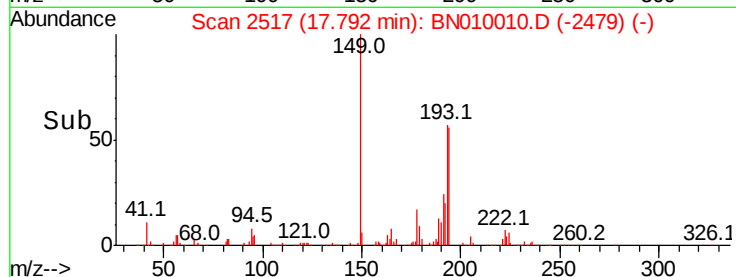
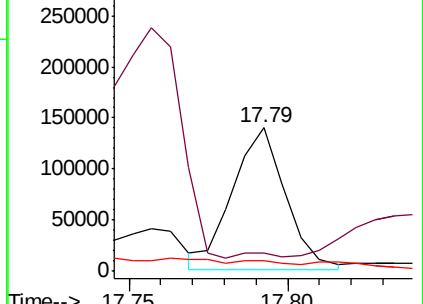
104 7.7 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 17.301 ng/ul

RT: 18.81 min Scan# 2690

Delta R.T. -0.04 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

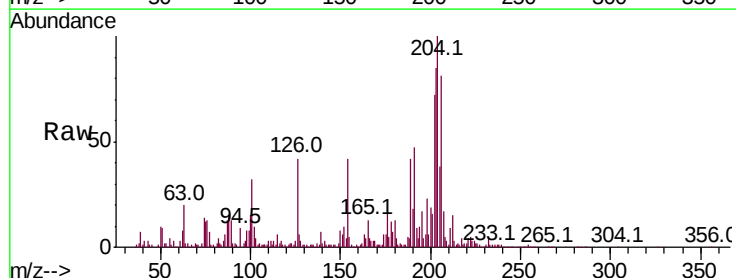
Tgt Ion:202 Resp: 176059

Ion Ratio Lower Upper

202 100

101 44.1 9.4 14.2#

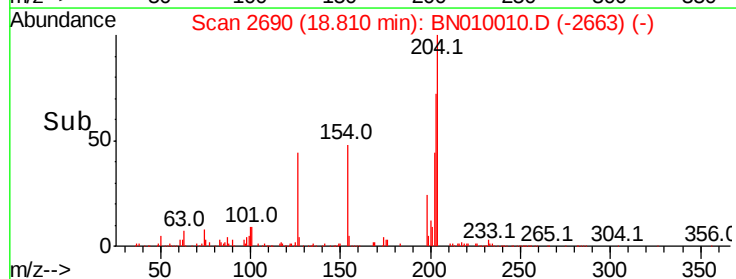
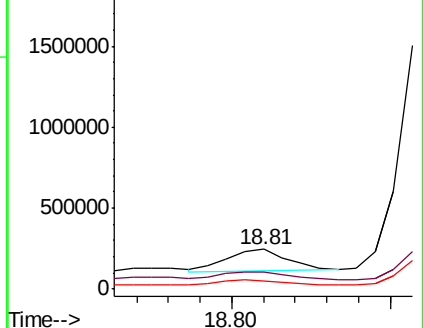
100 20.9 7.2 10.8#

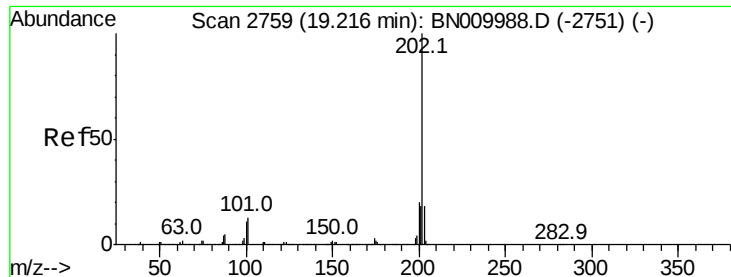


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

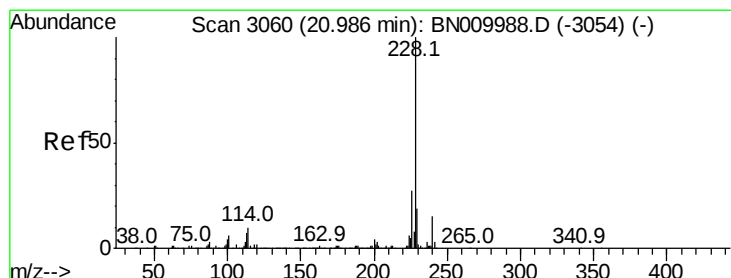
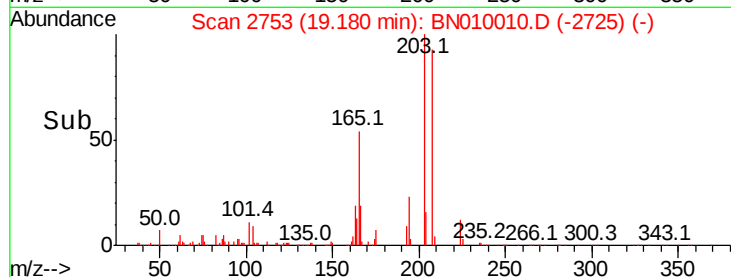
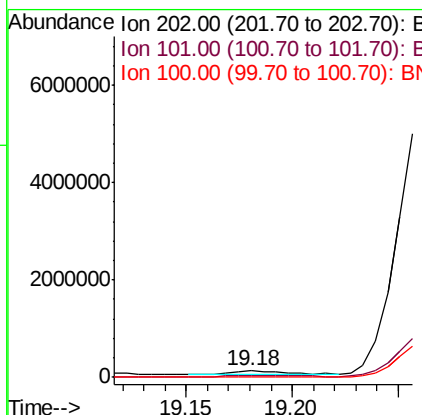
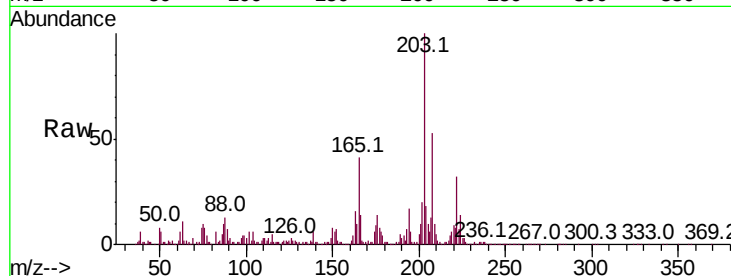




#80
Pvrene
Concen: 5.028 ng/ul
RT: 19.18 min Scan# 2753
Delta R.T. -0.04 min
Lab File: BN010010.D
Acq: 29 Feb 2020 06:19

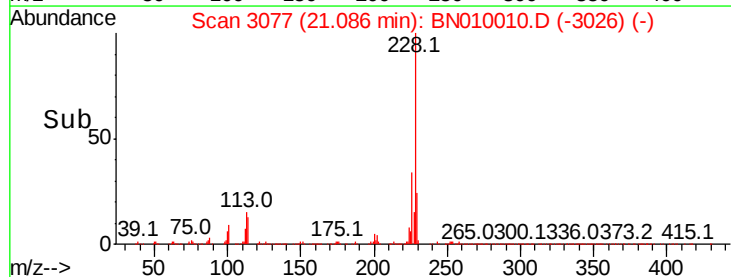
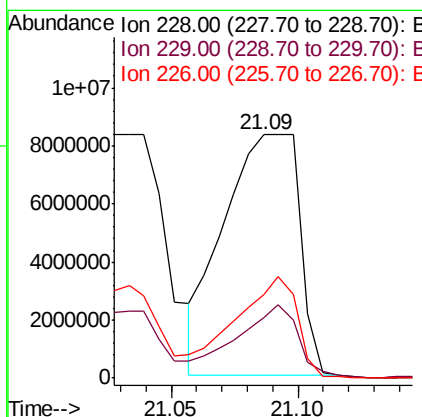
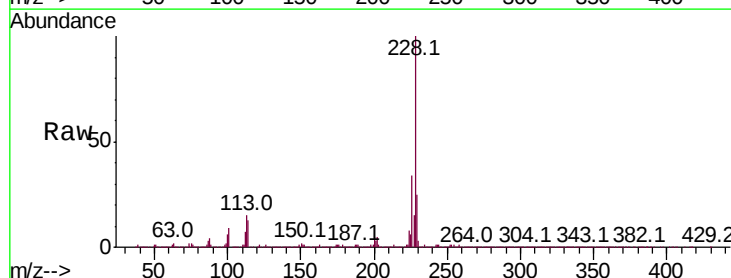
Instrument :
BNA_N
ClientSampled :

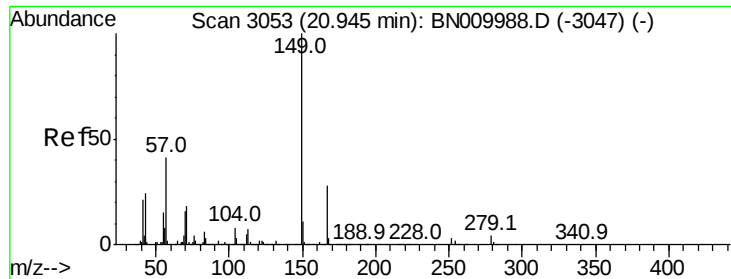
Tot Ion	Ratio	Lower	Upper
202	100		
101	28.4	11.3	16.9#
100	14.3	9.0	13.6#



#83
Benzo(a)anthracene
Concen: 548.225 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. 0.10 min
Lab File: BN010010.D
Acq: 29 Feb 2020 06:19

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.8	15.0	22.4#
226	34.4	21.4	32.2#





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.972 ng/ul

RT: 20.95 min Scan# 3054

Delta R.T. 0.01 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

ClientSampleId :

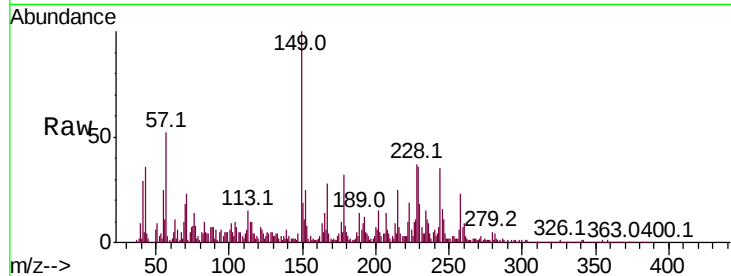
Tot Ion:149 Resp: 187717

Ion Ratio Lower Upper

149 100

167 27.8 21.0 31.6

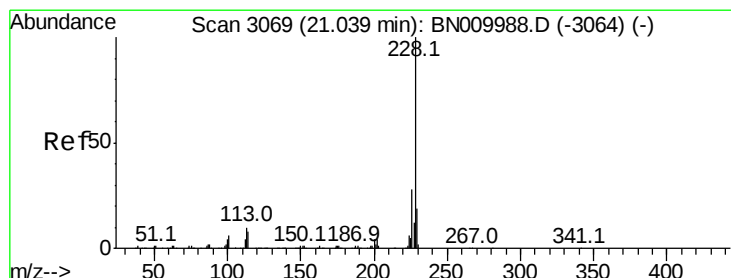
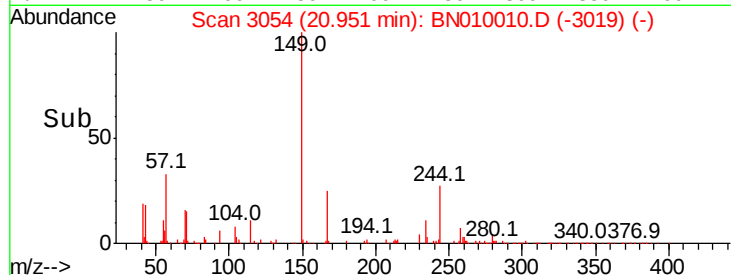
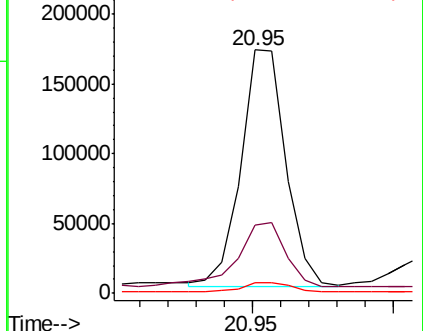
279 4.5 3.0 4.6



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



#85

Chrysene

Concen: 556.864 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. 0.05 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

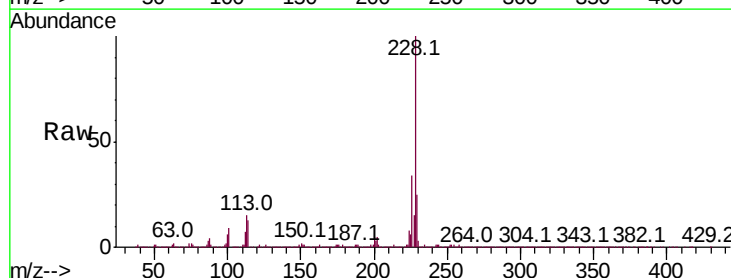
Tgt Ion:228 Resp:17420556

Ion Ratio Lower Upper

228 100

226 34.4 23.4 35.2

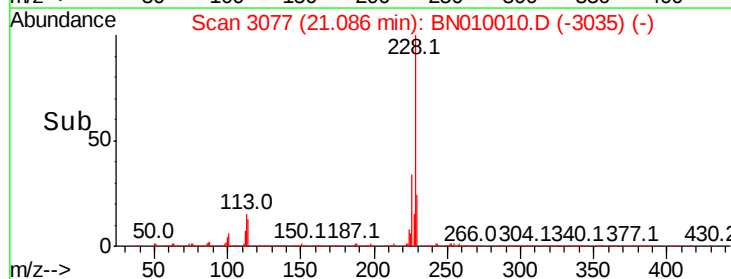
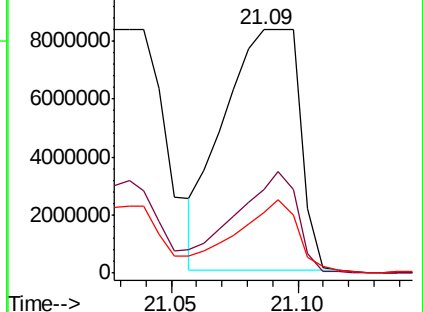
229 24.8 15.0 22.4#

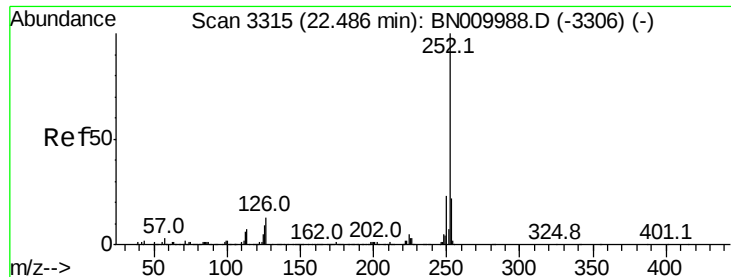


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 326.414 ng/ul

RT: 22.52 min Scan# 3321

Delta R.T. 0.04 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

ClientSampled :

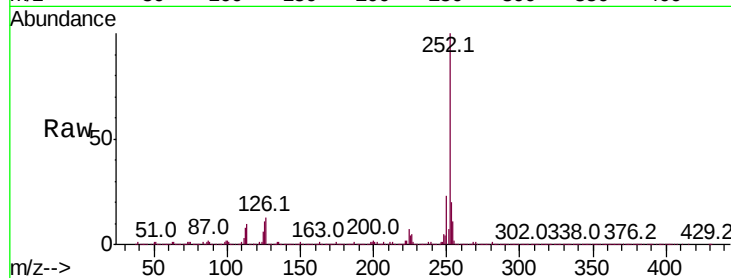
Tot Ion:252 Resp: 9896525

Ion Ratio Lower Upper

252 100

253 20.4 17.0 25.4

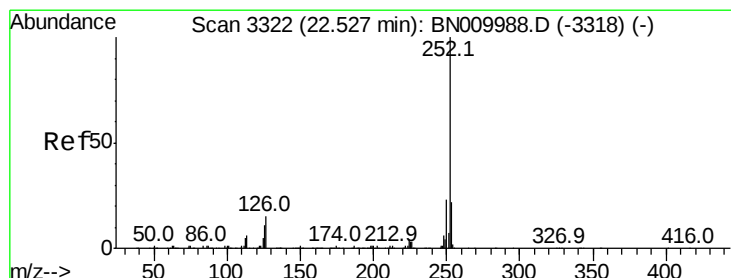
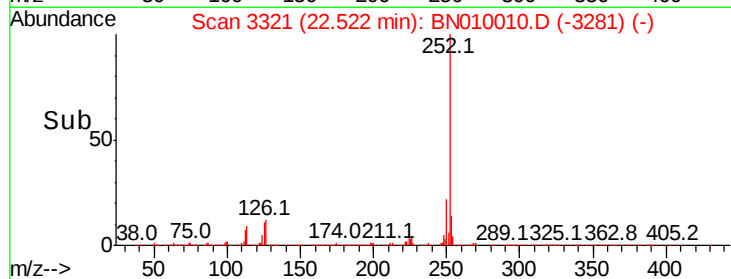
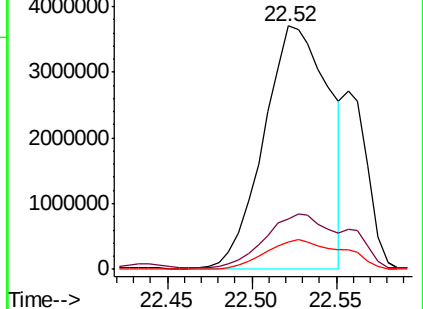
125 11.3 8.0 12.0



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



#89

Benzo(k)fluoranthene

Concen: 344.728 ng/ul

RT: 22.52 min Scan# 3321

Delta R.T. -0.01 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

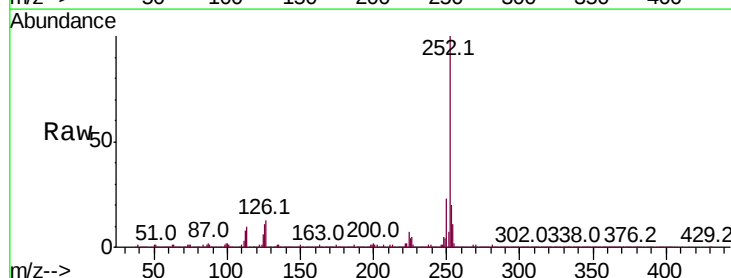
Tgt Ion:252 Resp: 9896525

Ion Ratio Lower Upper

252 100

253 20.4 18.0 27.0

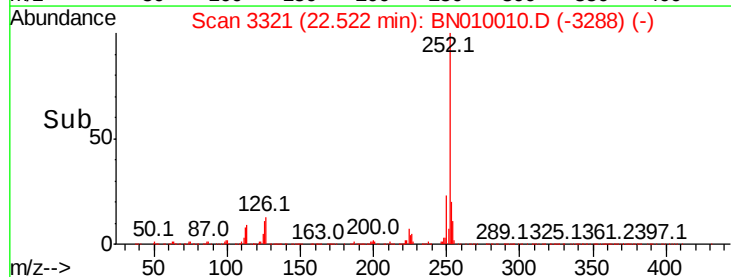
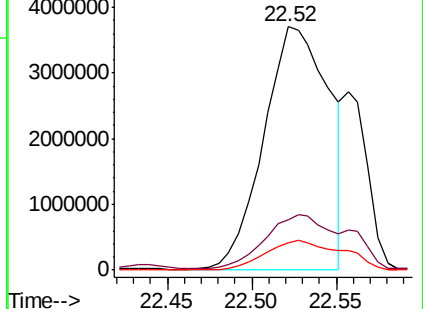
125 11.3 8.2 12.2

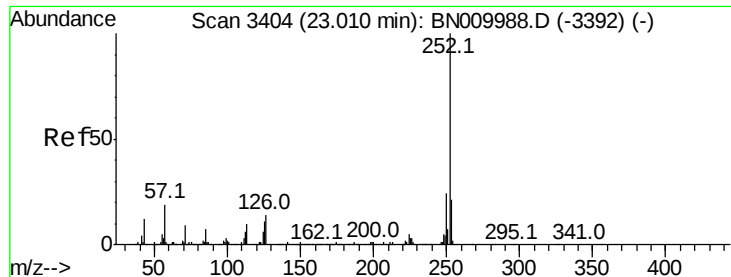


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 113.550 ng/ul

RT: 23.04 min Scan# 3409

Delta R.T. 0.03 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

Instrument :

BNA_N

ClientSampled :

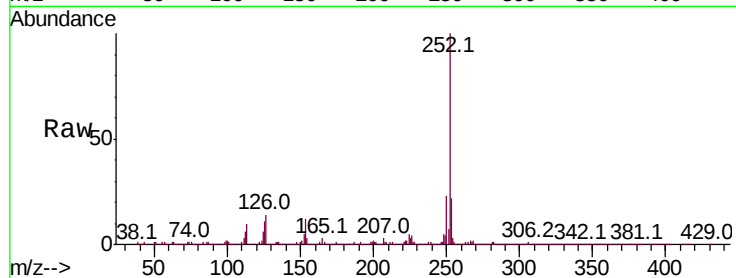
Tot Ion:252 Resp: 3096418

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

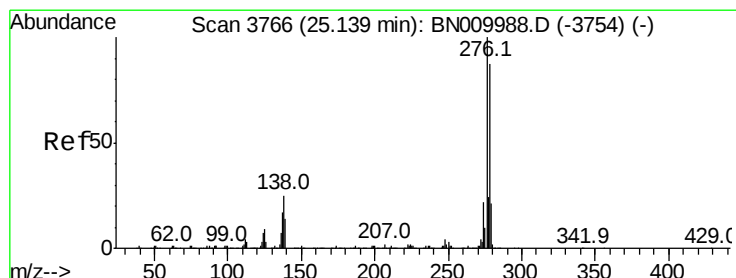
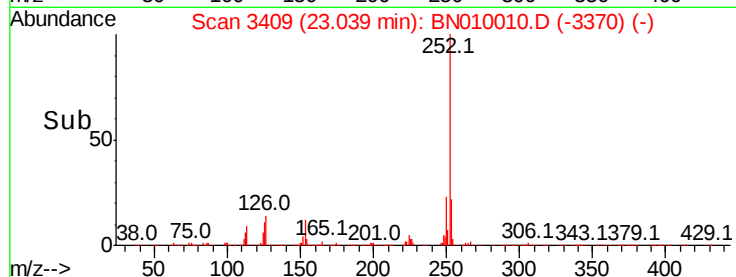
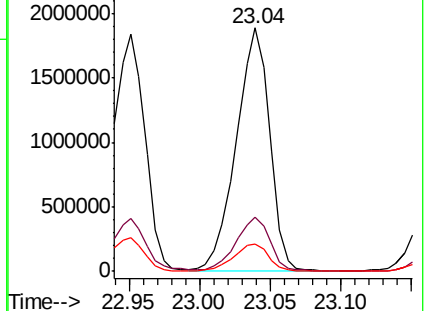
125 11.1 9.0 13.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 36.400 ng/ul

RT: 25.16 min Scan# 3770

Delta R.T. 0.02 min

Lab File: BN010010.D

Acq: 29 Feb 2020 06:19

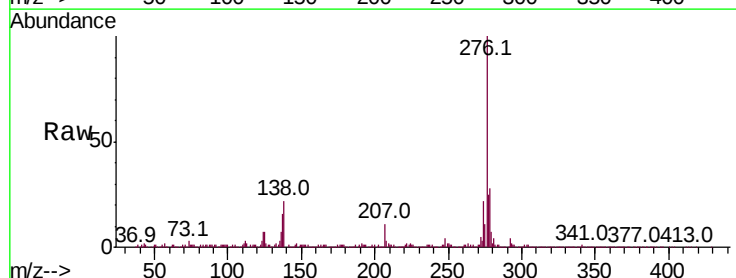
Tgt Ion:276 Resp: 1178475

Ion Ratio Lower Upper

276 100

138 22.0 20.9 31.3

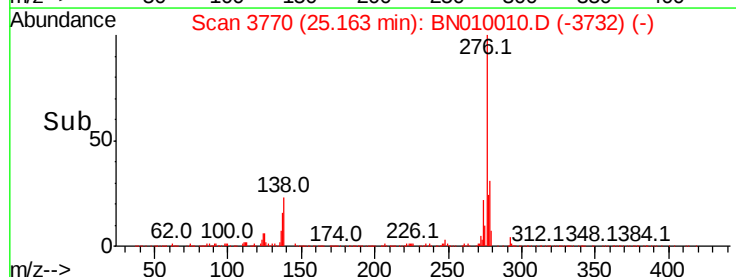
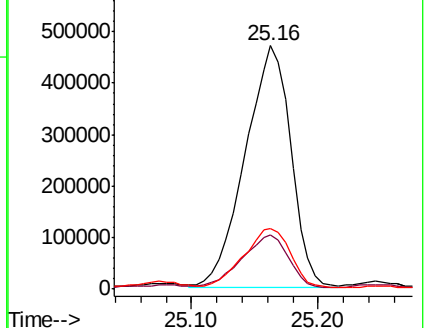
277 24.7 18.2 27.4

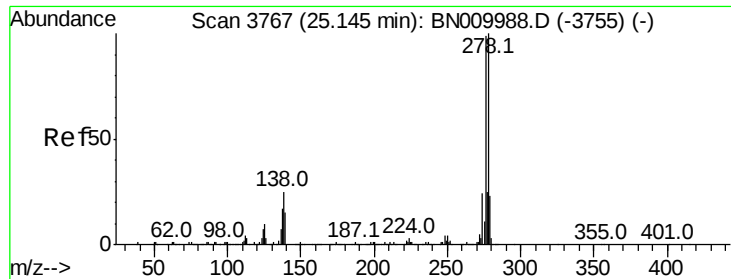


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



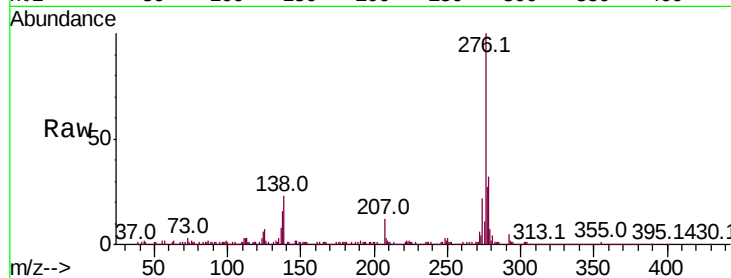


#93

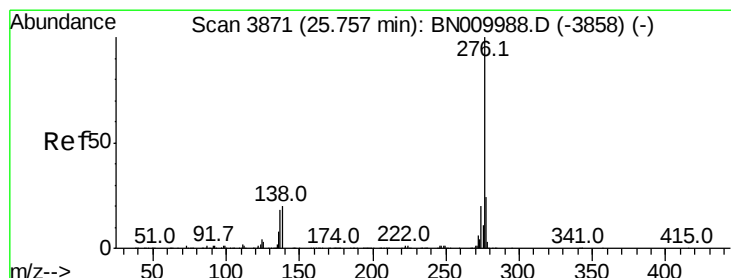
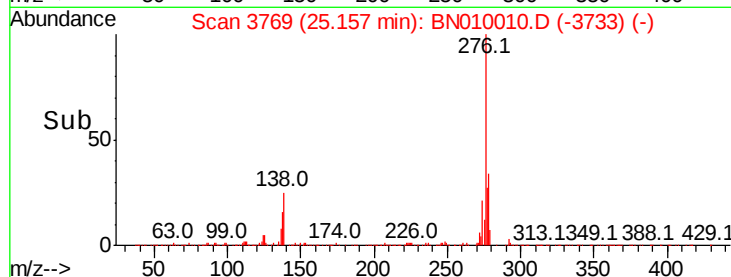
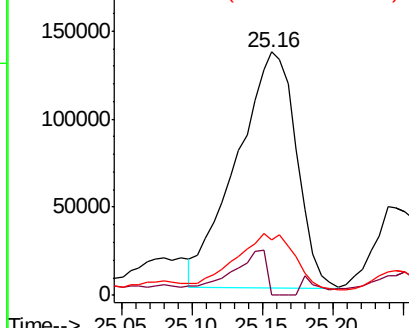
Dibenzo(a,h)anthracene
Concen: 14.303 ng/ul
RT: 25.16 min Scan# 3769
Delta R.T. 0.01 min
Lab File: BN010010.D
Acq: 29 Feb 2020 06:19

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	22.7	17.5	26.3



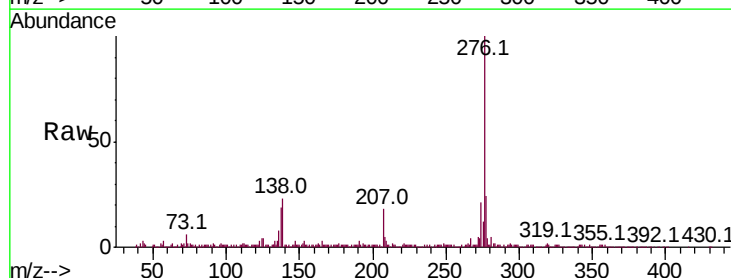
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene
Concen: 26.839 ng/ul
RT: 25.78 min Scan# 3875
Delta R.T. 0.02 min
Lab File: BN010010.D
Acq: 29 Feb 2020 06:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	17.5	26.3
277	24.1	18.1	27.1



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

