

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010026.D
 Acq On : 29 Feb 2020 16:01
 Operator : CG/JU
 Sample : L1615-03MSD
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 02 05:55:26 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	95431	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	401906	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	251552	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	522377	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	452736	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	489885	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.03	96	3715	1.60	ng/uL	0.00
5) Phenol-d5	6.58	99	80955	9.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.73	67	58172	10.38	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	65285	10.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	58368	9.04	ng/ul	0.00
19) Nitrobenzene-d5	8.52	128	30582	10.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	34330	10.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	61720	9.98	ng/ul	0.02
29) 4-Chloroaniline-d4	10.29	131	66540	9.58	ng/ul	0.02
44) Dimethylphthalate-d6	13.45	166	209589	11.15	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	231625	10.47	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	23549	6.86	ng/ul	0.02
58) Fluorene-d10	15.02	176	180645	11.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	14839	4.57	ng/ul	0.02
71) Anthracene-d10	16.87	188	288357	12.04	ng/ul	0.00
79) Pyrene-d10	19.18	212	328009	13.86	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	319418	13.06	ng/ul	0.00

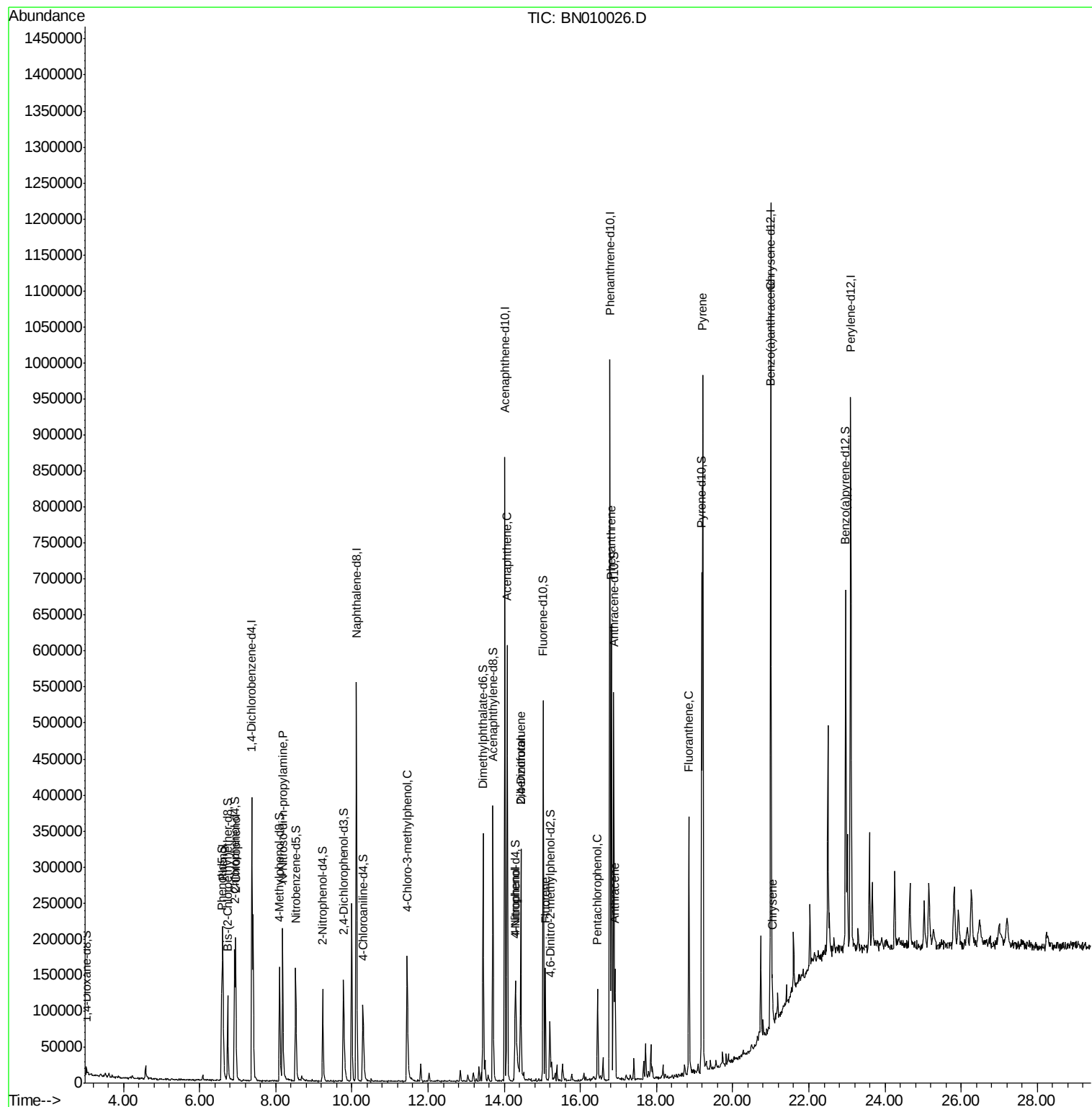
Target Compounds				Ovalue		
6) Phenol	6.61	94	92755	10.663	ng/ul	96
10) 2-Chlorophenol	6.95	128	67541	10.493	ng/ul	93
15) N-Nitroso-di-n-propylamine	8.18	70	61272	11.145	ng/ul	99
33) 4-Chloro-3-methylphenol	11.45	107	73572	10.313	ng/ul	92
50) Acenaphthene	14.08	153	221835	13.510	ng/ul	94
53) 4-Nitrophenol	14.30	109	22185	7.165	ng/ul	92
54) Dibenzofuran	14.43	168	53312	2.313	ng/ul	96
55) 2,4-Dinitrotoluene	14.43	165	53935	9.482	ng/ul#	91
59) Fluorene	15.08	166	62221	3.217	ng/ul	98
69) Pentachlorophenol	16.45	266	21801	6.522	ng/ul	91
70) Phenanthrene	16.82	178	347457	11.655	ng/ul	99
72) Anthracene	16.91	178	90523	2.970	ng/ul	97
77) Fluoranthene	18.85	202	215323	6.166	ng/ul	98
80) Pyrene	19.22	202	555060	17.005	ng/ul	95
83) Benzo(a)anthracene	20.99	228	41169	1.323	ng/ul	98
85) Chrysene	21.04	228	36252	1.184	ng/ul	98

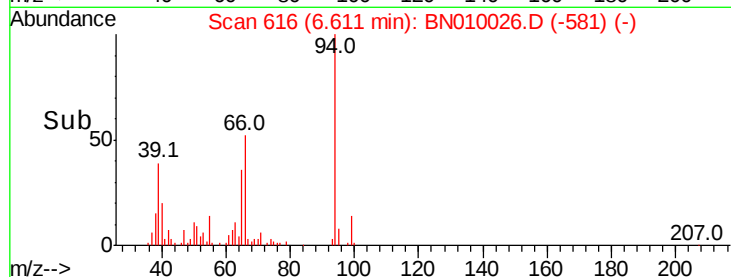
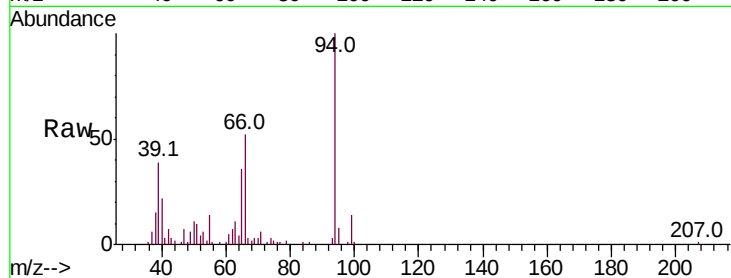
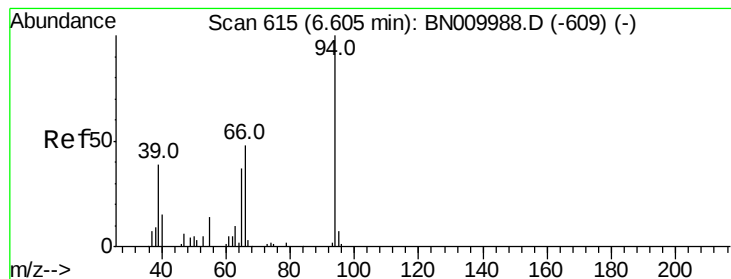
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration





#6

Phenol

Concen: 10.663 ng/ul

RT: 6.61 min Scan# 616

Delta R.T. 0.01 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

Instrument :

BNA_N

ClientSampleId :

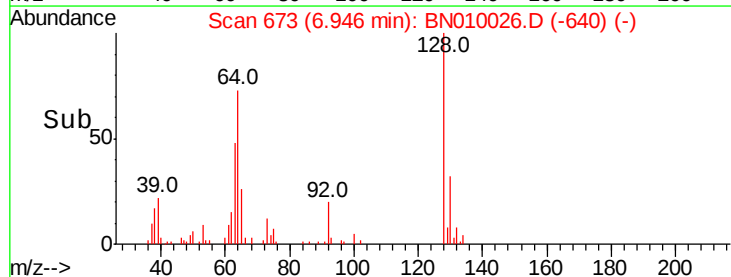
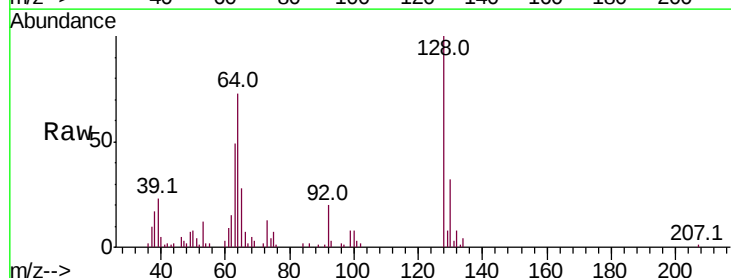
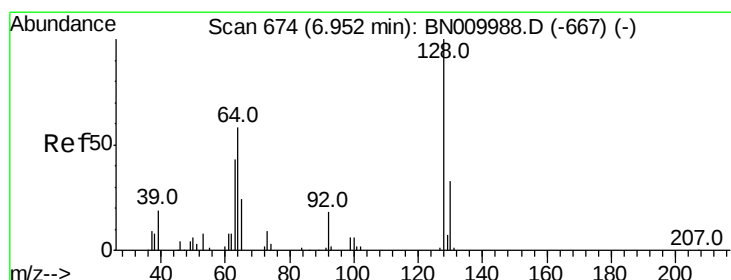
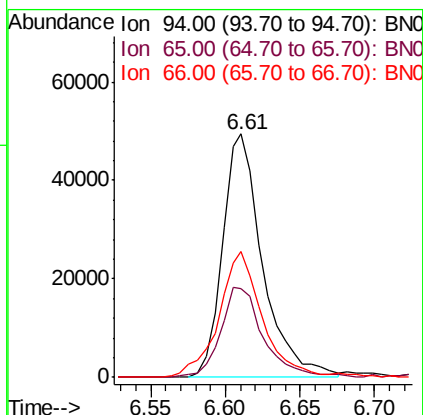
Tot Ion: 94 Resp: 92755

Ion Ratio Lower Upper

94 100

65 36.2 27.6 41.4

66 51.6 38.5 57.7



#10

2-Chlorophenol

Concen: 10.493 ng/ul

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

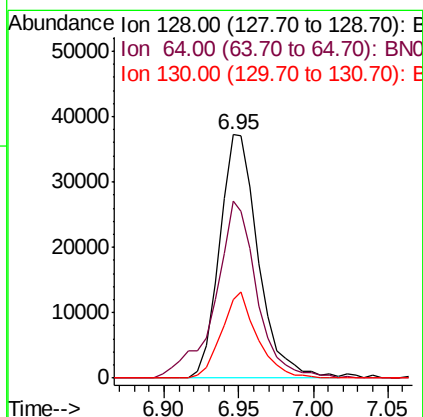
Tgt Ion:128 Resp: 67541

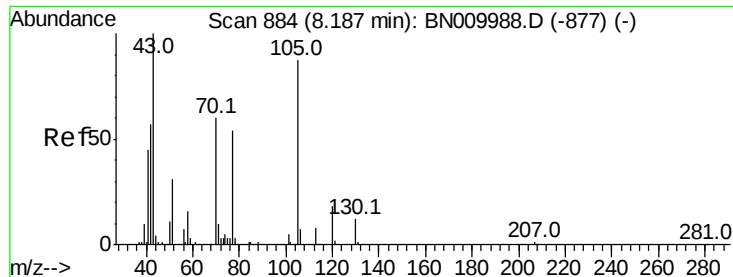
Ion Ratio Lower Upper

128 100

64 72.9 52.5 78.7

130 32.5 24.4 36.6

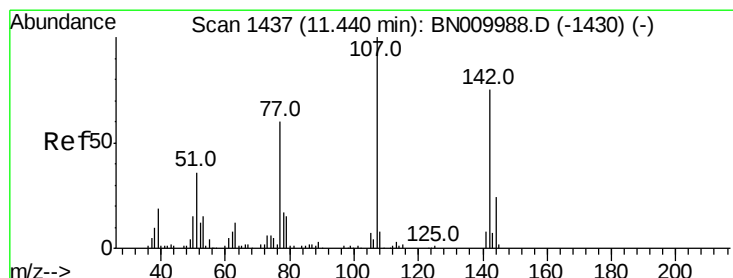
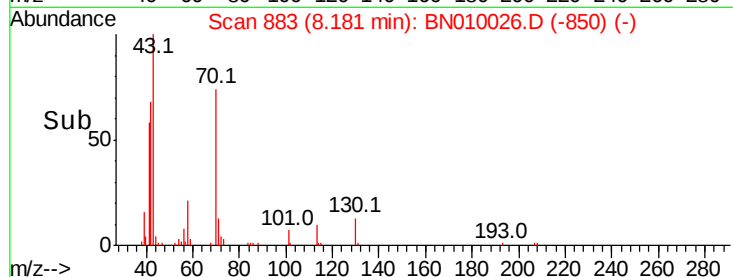
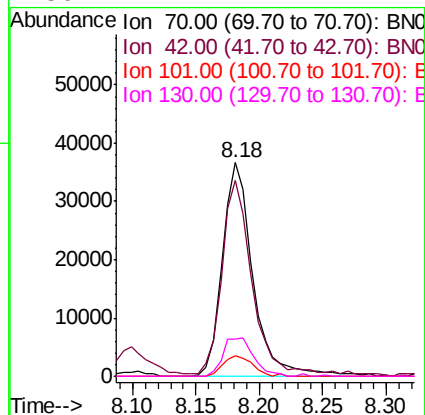
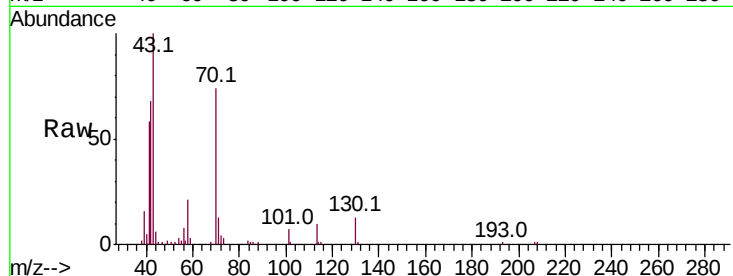




#15
N-Nitroso-di-n-propylamine
Concen: 11.145 ng/ul
RT: 8.18 min Scan# 883
Delta R.T. -0.01 min
Lab File: BN010026.D
Acq: 29 Feb 2020 16:01

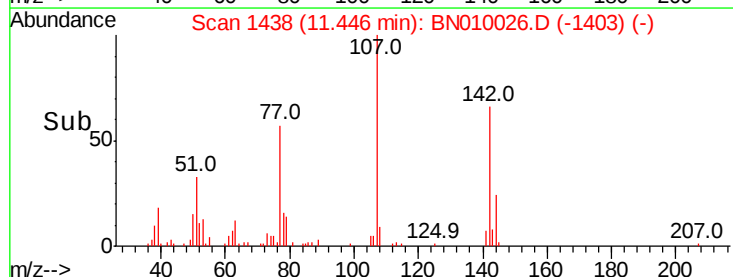
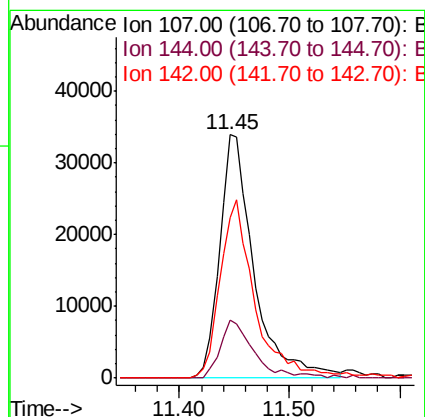
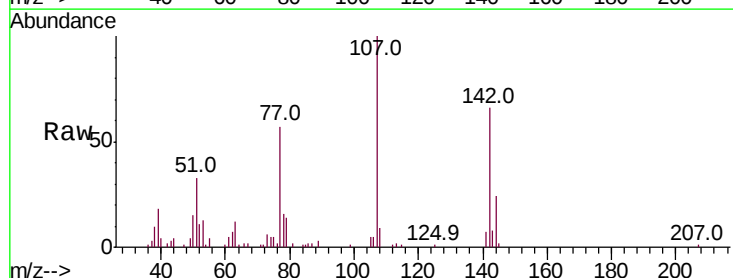
Instrument :
BNA_N
ClientSampleId :

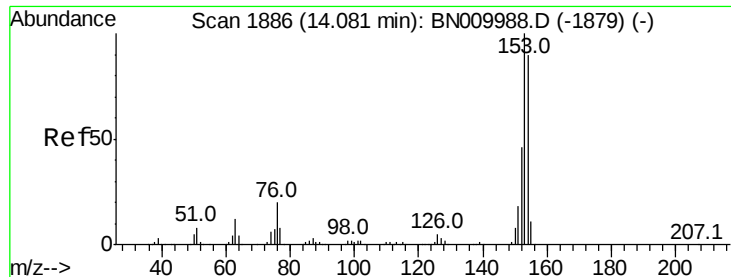
Tot Ion: 70 Resp: 61272
Ion Ratio Lower Upper
70 100
42 91.6 72.6 108.8
101 9.7 7.7 11.5
130 17.2 14.7 22.1



#33
4-Chloro-3-methylphenol
Concen: 10.313 ng/ul
RT: 11.45 min Scan# 1438
Delta R.T. 0.01 min
Lab File: BN010026.D
Acq: 29 Feb 2020 16:01

Tgt Ion:107 Resp: 73572
Ion Ratio Lower Upper
107 100
144 23.6 19.3 28.9
142 66.0 59.5 89.3





#50

Acenaphthene

Concen: 13.510 ng/ul

RT: 14.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

Instrument :

BNA_N

ClientSampleId :

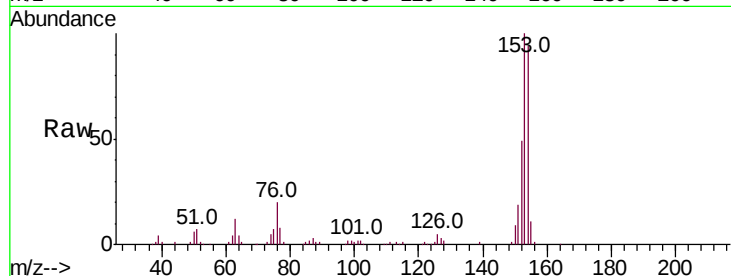
Tot Ion:153 Resp: 221835

Ion Ratio Lower Upper

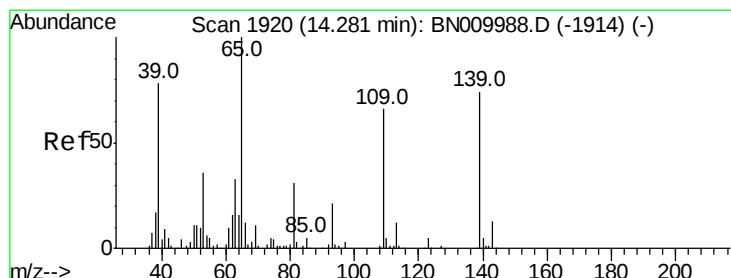
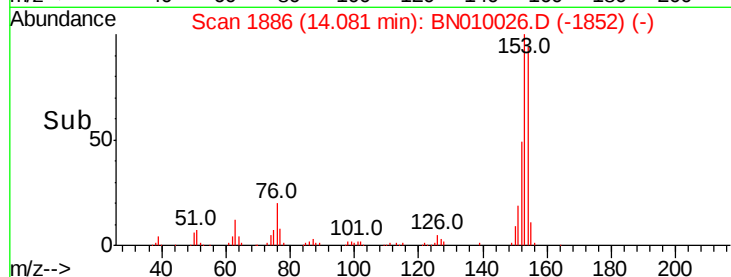
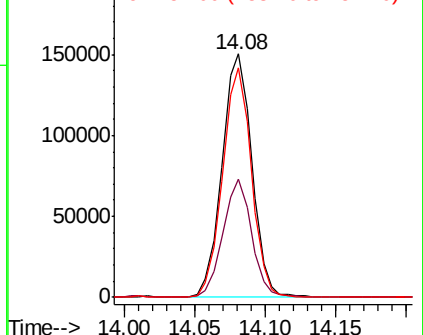
153 100

152 48.7 36.6 54.8

154 94.3 70.6 106.0



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



#53

4-Nitrophenol

Concen: 7.165 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.02 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

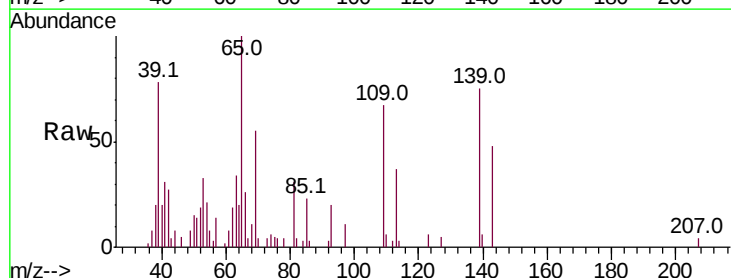
Tgt Ion:109 Resp: 22185

Ion Ratio Lower Upper

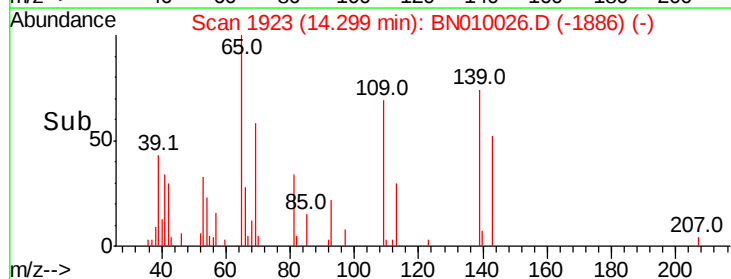
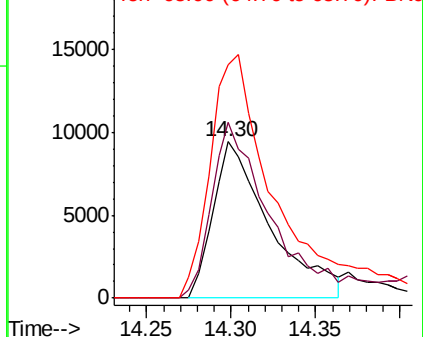
109 100

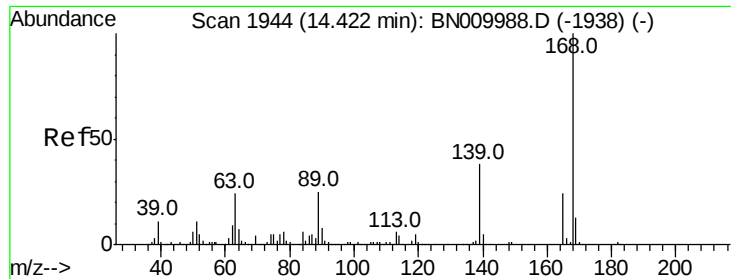
139 112.8 96.3 144.5

65 149.5 129.9 194.9



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): BNO





#54

Dibenzofuran

Concen: 2.313 ng/ul

RT: 14.43 min Scan# 1945

Delta R.T. 0.01 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

Instrument :

BNA_N

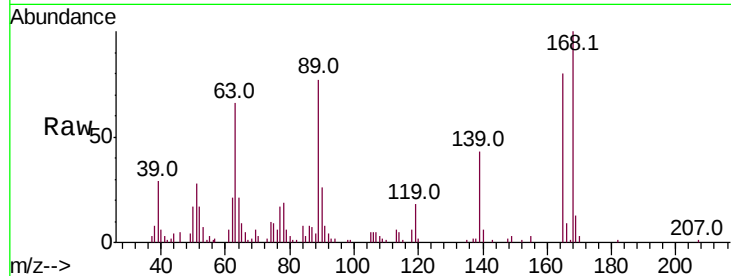
ClientSampled :

Tot Ion:168 Resp: 53312

Ion Ratio Lower Upper

168 100

139 43.4 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.43

40000

30000

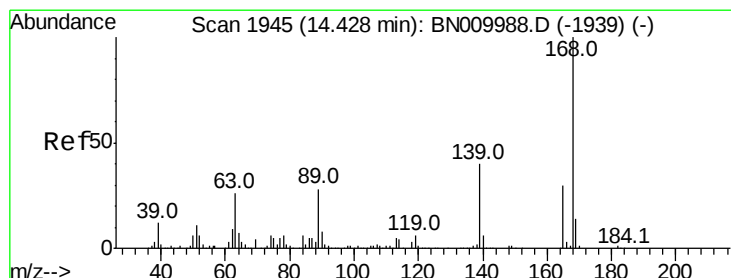
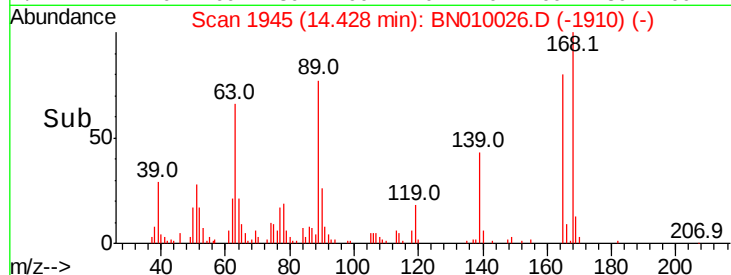
20000

10000

0

14.40 14.45 14.50

Time-->



#55

2,4-Dinitrotoluene

Concen: 9.482 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

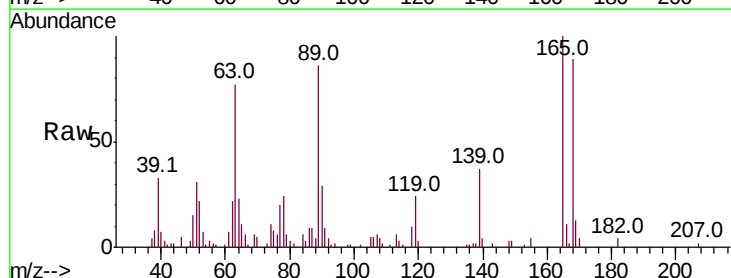
Tgt Ion:165 Resp: 53935

Ion Ratio Lower Upper

165 100

63 76.5 68.3 102.5

182 3.6 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

14.43

50000

40000

30000

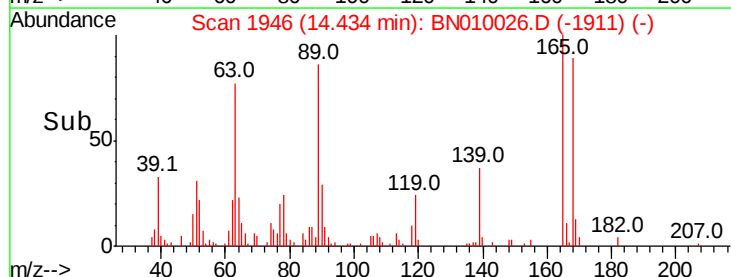
20000

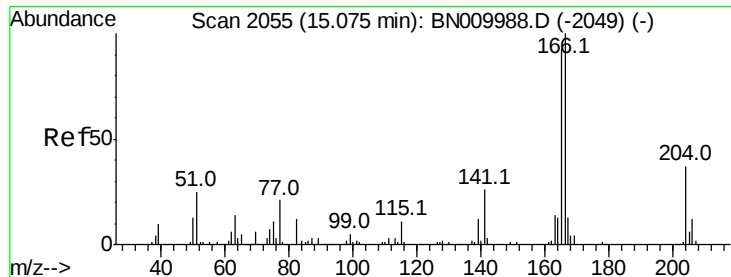
10000

0

14.40 14.45 14.50

Time-->





#59

Fluorene

Concen: 3.217 ng/ul

RT: 15.08 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

Instrument :

BNA_N

ClientSampleId :

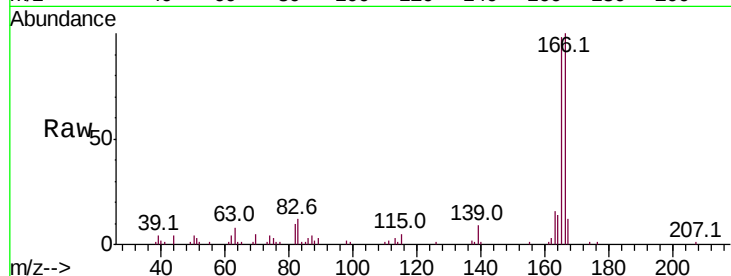
Tot Ion:166 Resp: 62221

Ion Ratio Lower Upper

166 100

165 97.7 79.8 119.8

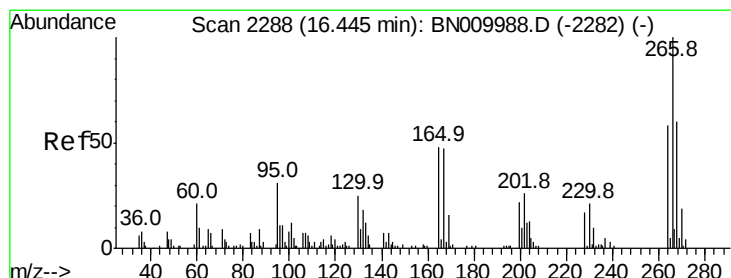
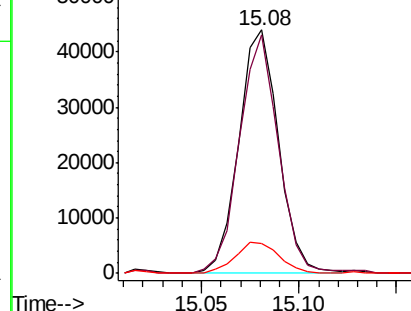
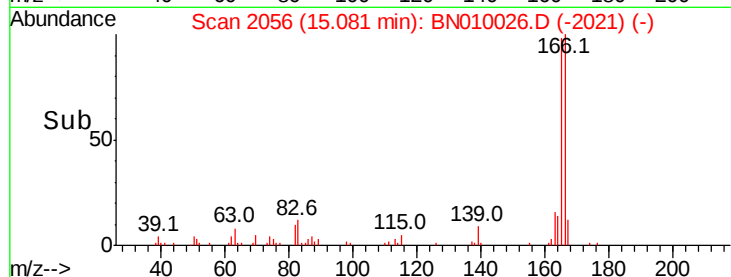
167 12.0 10.7 16.1



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

Pentachlorophenol

Concen: 6.522 ng/ul

RT: 16.45 min Scan# 2289

Delta R.T. 0.01 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

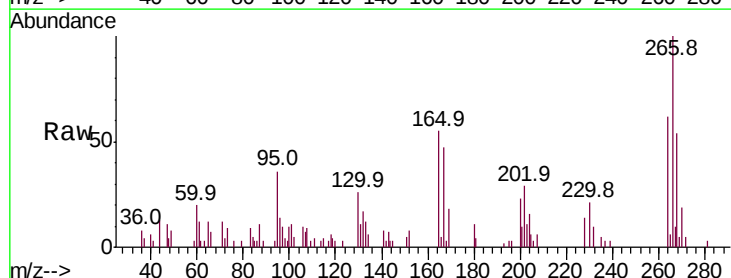
Tgt Ion:266 Resp: 21801

Ion Ratio Lower Upper

266 100

264 62.3 52.9 79.3

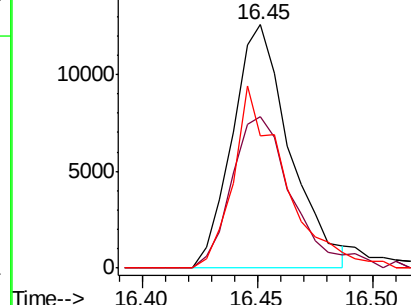
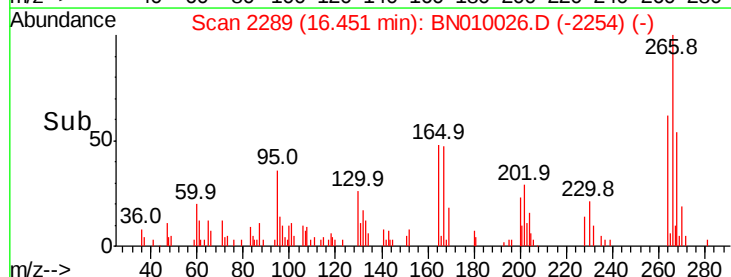
268 54.4 52.5 78.7

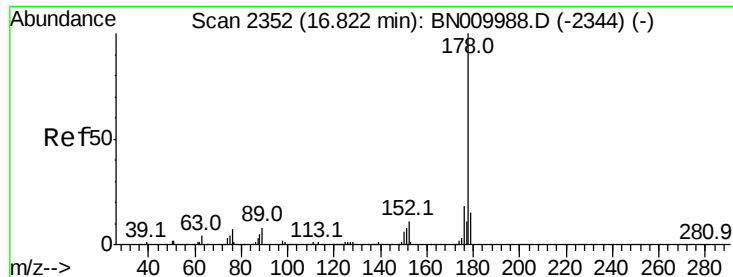


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 11.655 ng/ul

RT: 16.82 min Scan# 2351

Delta R.T. -0.01 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

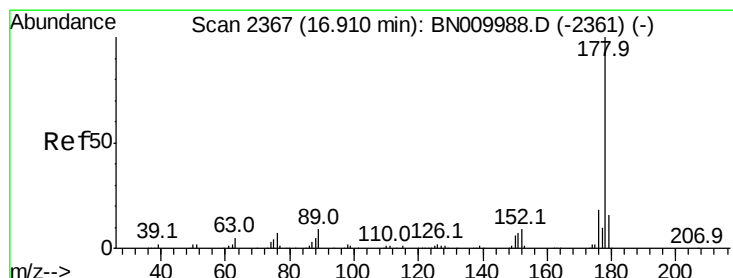
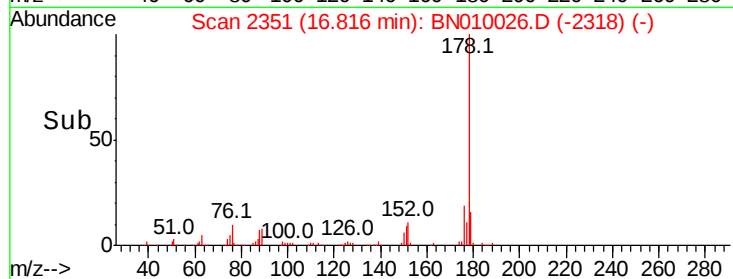
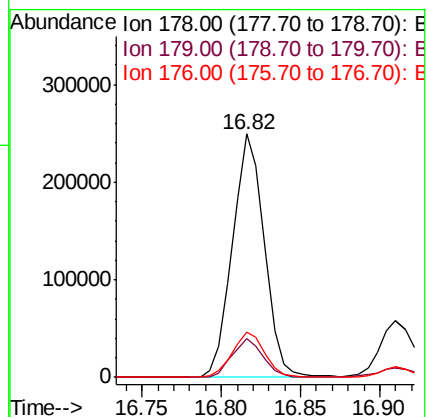
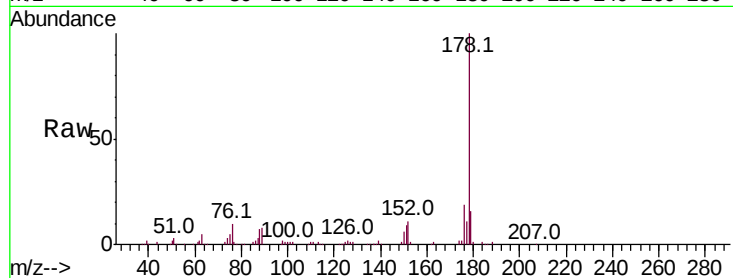
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 347457

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.5	18.7
176	18.5	14.6	22.0



#72

Anthracene

Concen: 2.970 ng/ul

RT: 16.91 min Scan# 2367

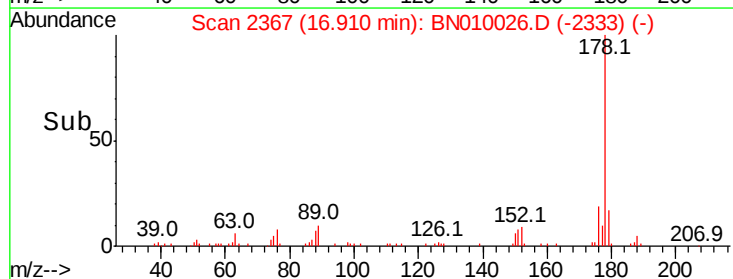
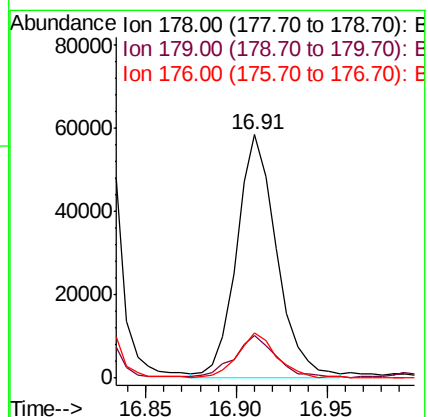
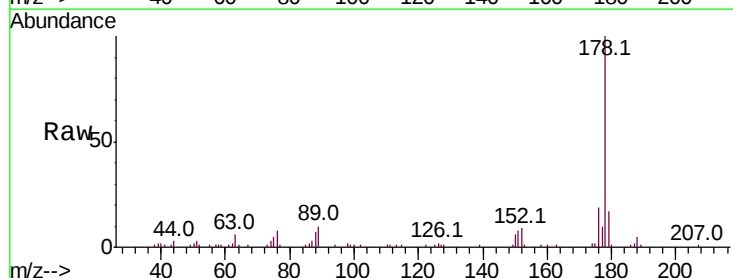
Delta R.T. 0.00 min

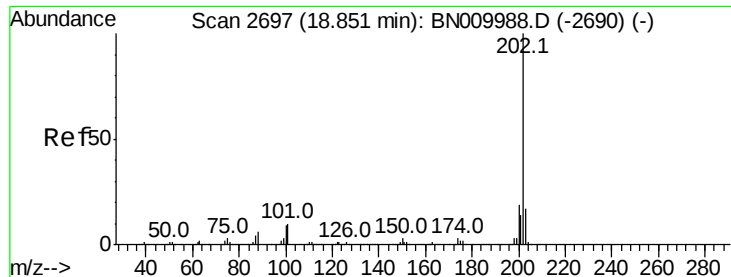
Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

Tgt Ion:178 Resp: 90523

Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.2	18.2
176	18.6	14.6	21.8





#77

Fluoranthene

Concen: 6.166 ng/ul

RT: 18.85 min Scan# 2697

Delta R.T. 0.00 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

Instrument :

BNA_N

ClientSampleId :

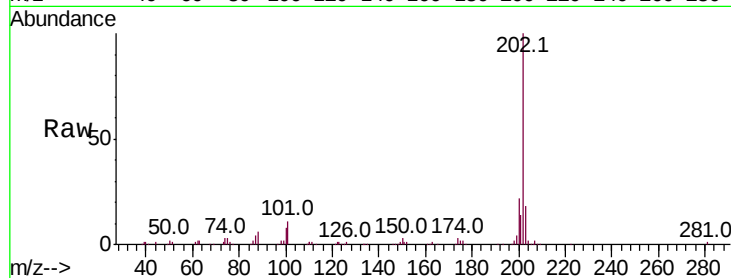
Tot Ion:202 Resp: 215323

Ion Ratio Lower Upper

202 100

101 11.2 9.4 14.2

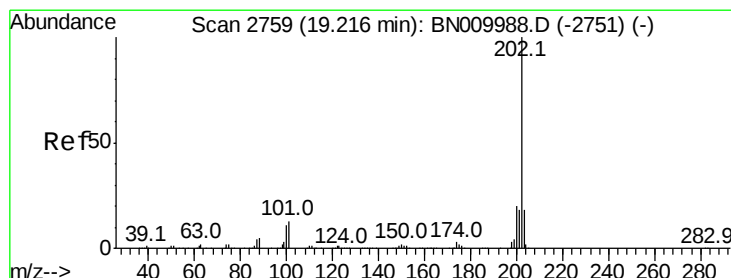
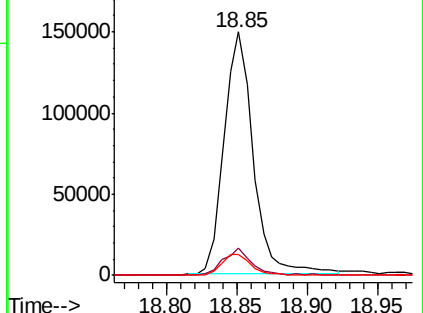
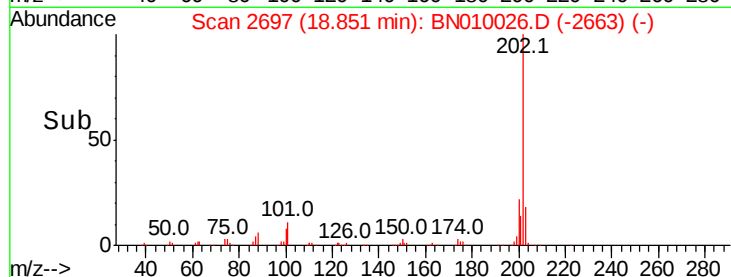
100 8.3 7.2 10.8



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): B



#80

Pyrene

Concen: 17.005 ng/ul

RT: 19.22 min Scan# 2759

Delta R.T. 0.00 min

Lab File: BN010026.D

Acq: 29 Feb 2020 16:01

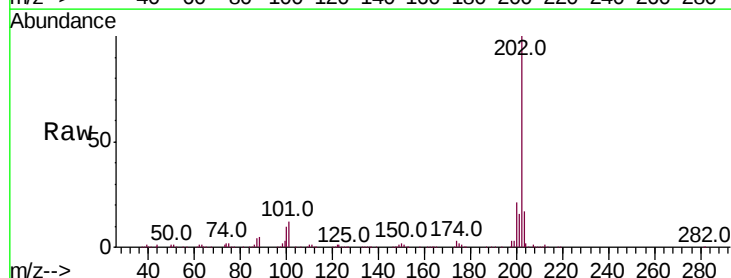
Tgt Ion:202 Resp: 555060

Ion Ratio Lower Upper

202 100

101 11.6 11.3 16.9

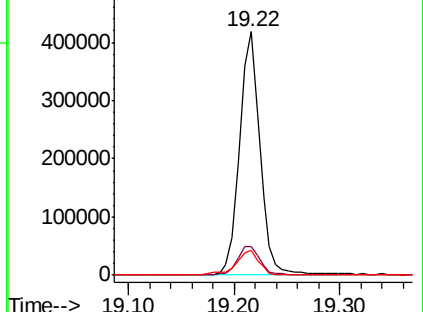
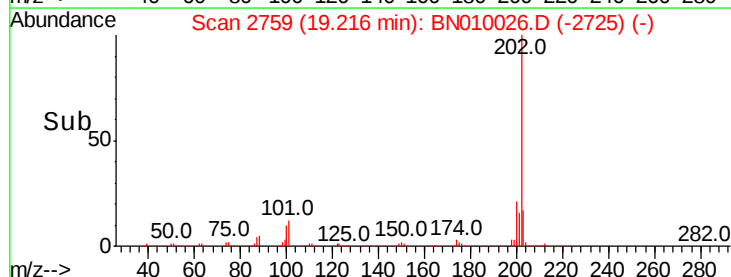
100 10.2 9.0 13.6

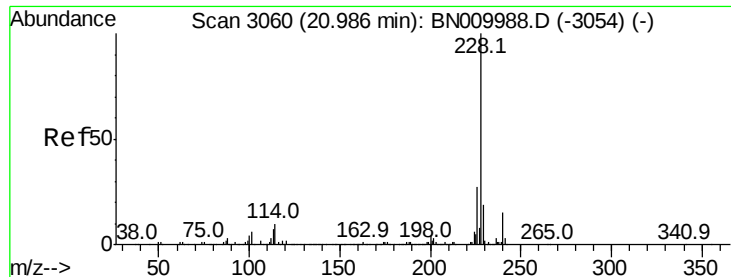


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

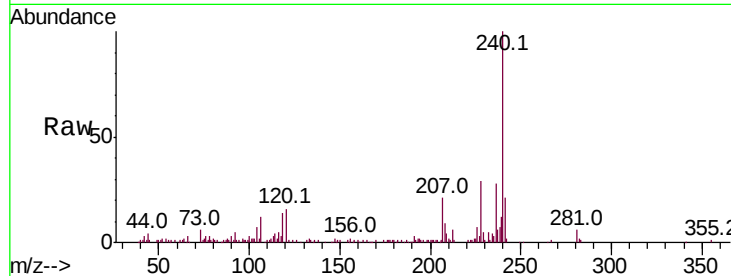




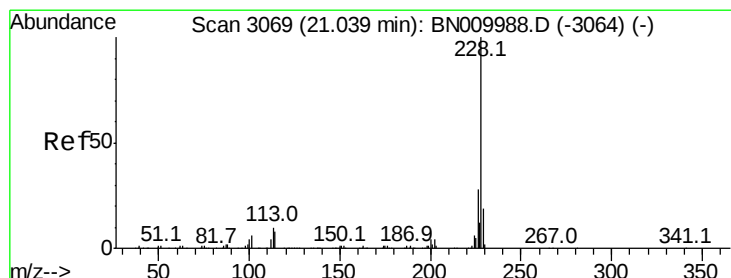
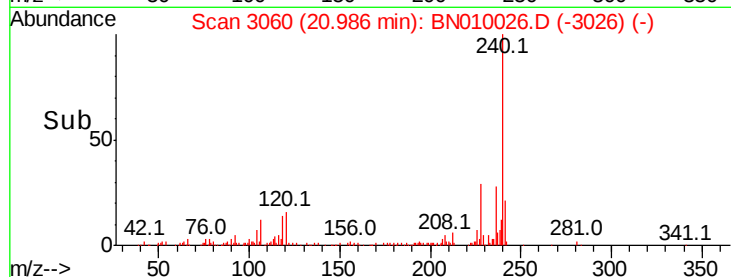
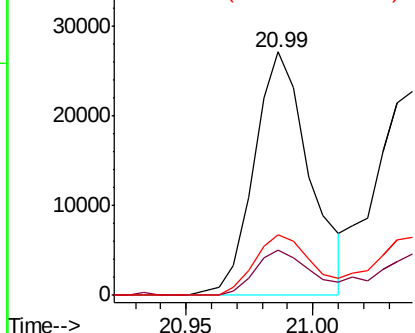
#83
Benzo(a)anthracene
Concen: 1.323 ng/ul
RT: 20.99 min Scan# 3060
Delta R.T. 0.00 min
Lab File: BN010026.D
Acq: 29 Feb 2020 16:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion:228 Resp: 41169
Ion Ratio Lower Upper
228 100
229 18.6 15.0 22.4
226 24.7 21.4 32.2

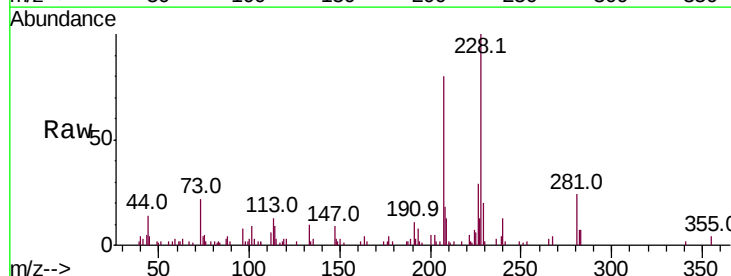


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#85
Chrysene
Concen: 1.184 ng/ul
RT: 21.04 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BN010026.D
Acq: 29 Feb 2020 16:01

Tgt Ion:228 Resp: 36252
Ion Ratio Lower Upper
228 100
226 28.7 23.4 35.2
229 20.3 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

