

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101320\
 Data File : BN012166.D
 Acq On : 13 Oct 2020 18:48
 Operator : CG/JU
 Sample : L4359-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB7M6

Quant Time: Oct 14 00:17:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100920.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 13 11:24:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	262699	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1066773	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	683213	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	1460947	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	1495711	20.00	ng/ul	0.00
86) Perylene-d12	23.42	264	1475014	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	29621	4.98	ng/uL	0.00
5) Phenol-d5	6.80	99	115259	5.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	271057	19.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	319739	17.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	235327	12.83	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	182694	21.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	208704	21.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	418143	23.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	481380	21.46	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	1448583	25.90	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	1655422	24.99	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	47414	4.54	ng/ul	0.02
58) Fluorene-d10	15.27	176	1171361	24.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	146245	15.11	ng/ul	0.00
71) Anthracene-d10	17.12	188	1916222	26.80	ng/ul	0.00
79) Pyrene-d10	19.42	212	2131785	27.30	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	2254455	27.08	ng/ul	0.00

Target Compounds

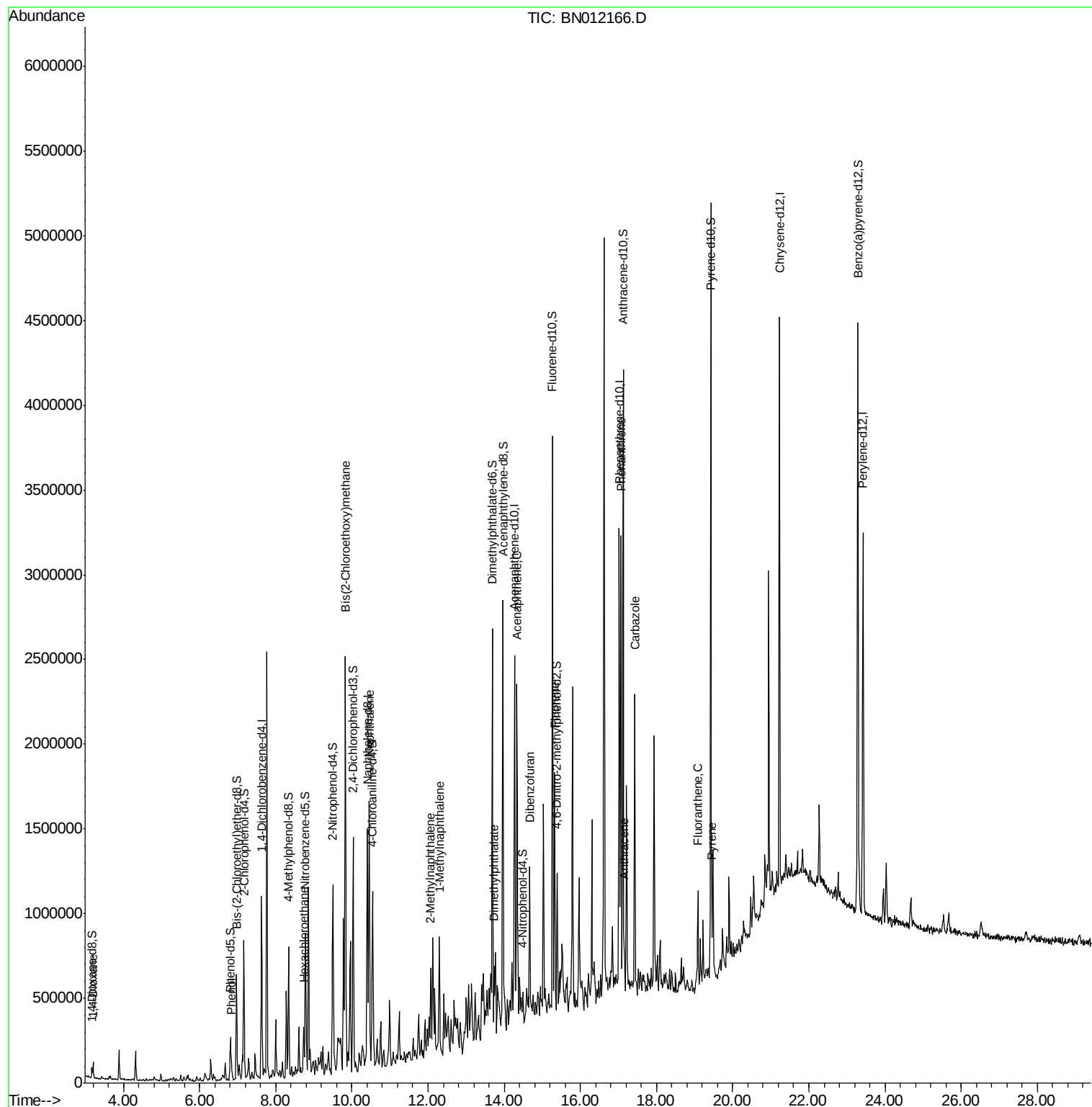
					Ovalue	
2) 1,4-Dioxane	3.20	88	47329	7.037	ng/uL	98
6) Phenol	6.83	94	43560	1.823	ng/ul	95
17) Hexachloroethane	8.73	117	11049	1.349	ng/ul#	6
25) Bis(2-Chloroethoxy)methane	9.83	93	82105	3.204	ng/ul#	1
28) Naphthalene	10.45	128	1126140	18.020	ng/ul	98
34) 2-Methylnaphthalene	12.07	142	205934	4.795	ng/ul	97
35) 1-Methylnaphthalene	12.29	142	164857	3.906	ng/uL#	99
45) Dimethylphthalate	13.73	163	210968	3.614	ng/ul	99
50) Acenaphthene	14.33	153	753979	15.501	ng/ul	98
54) Dibenzofuran	14.67	168	499732	7.378	ng/ul	95
59) Fluorene	15.33	166	573503	10.068	ng/ul	99
70) Phenanthrene	17.06	178	1428657	16.023	ng/ul	97
72) Anthracene	17.15	178	205059	2.258	ng/ul	95
75) Carbazole	17.43	167	988152	12.788	ng/ul	98
77) Fluoranthene	19.09	202	296195	2.934	ng/ul#	94
80) Pyrene	19.45	202	183628	1.722	ng/ul	98

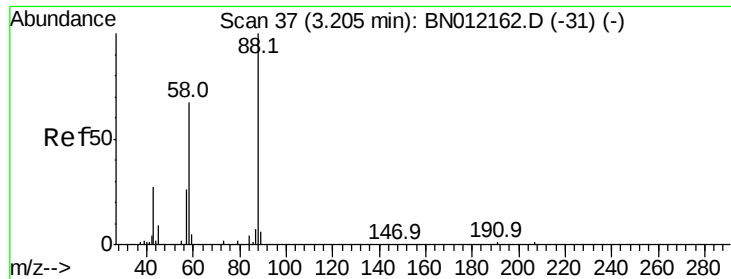
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 7.037 ng/uL

RT: 3.20 min Scan# 36

Delta R.T. 0.00 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

Instrument :

BNA_N

ClientSampleId :

CB7M6

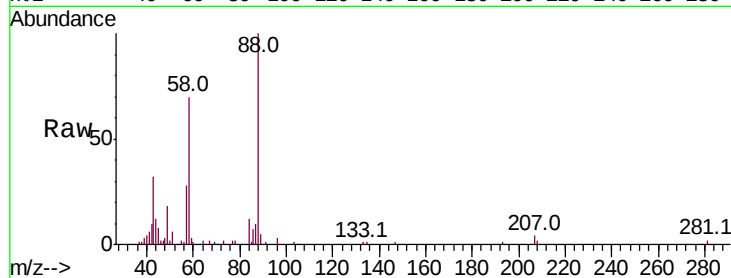
Tot Ion: 88 Resp: 47329

Ion Ratio Lower Upper

88 100

43 31.8 25.3 37.9

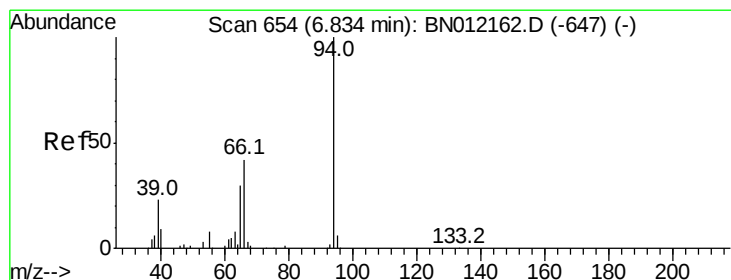
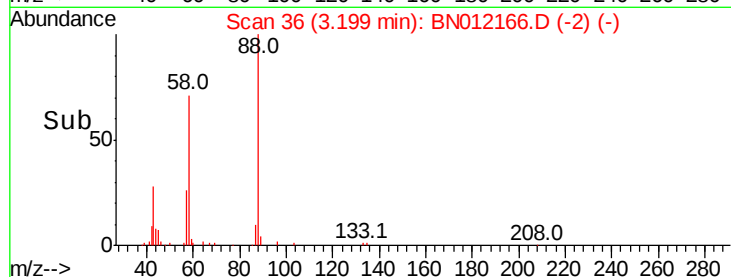
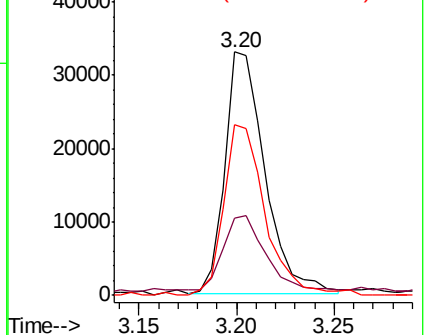
58 70.0 54.3 81.5



Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 43.00 (42.70 to 43.70): BNC

Ion 58.00 (57.70 to 58.70): BNC



#6

Phenol

Concen: 1.823 ng/uL

RT: 6.83 min Scan# 654

Delta R.T. 0.00 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

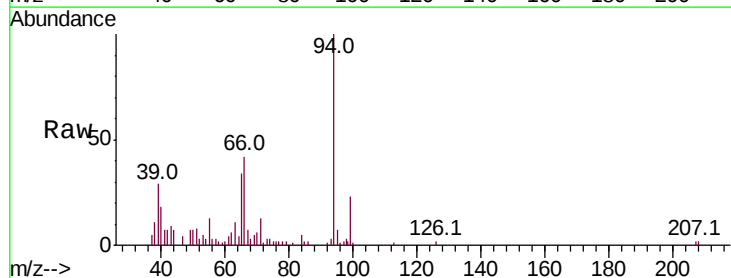
Tgt Ion: 94 Resp: 43560

Ion Ratio Lower Upper

94 100

65 34.2 24.3 36.5

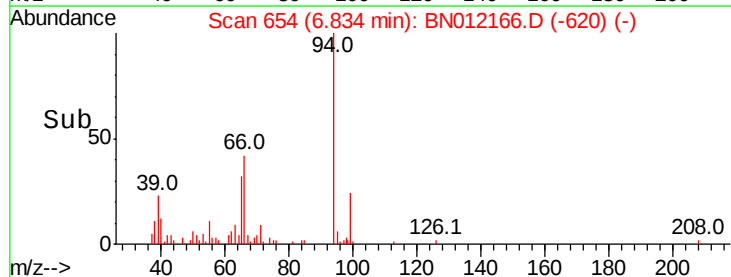
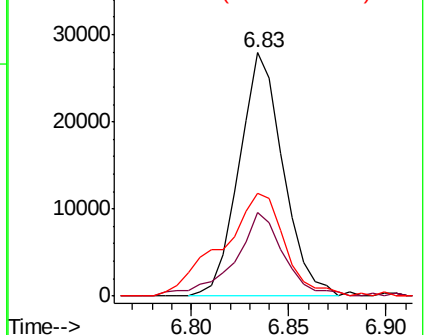
66 42.0 32.2 48.2

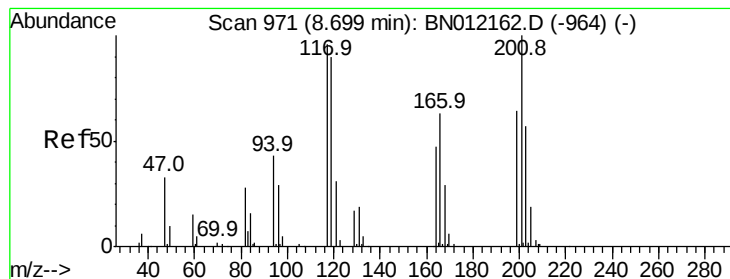


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC





#17

Hexachloroethane

Concen: 1.349 ng/ul

RT: 8.73 min Scan# 976

Delta R.T. 0.03 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

Instrument :

BNA_N

ClientSampleId :

CB7M6

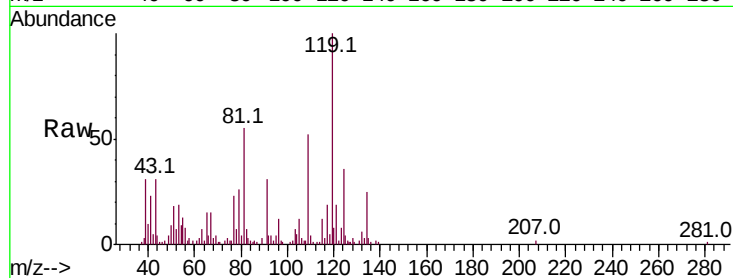
Tot Ion:117 Resp: 11049

Ion Ratio Lower Upper

117 100

201 0.0 83.8 125.6#

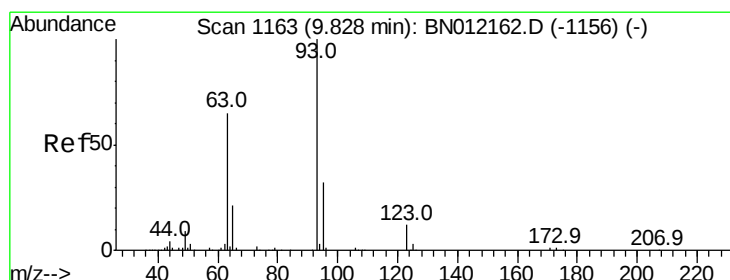
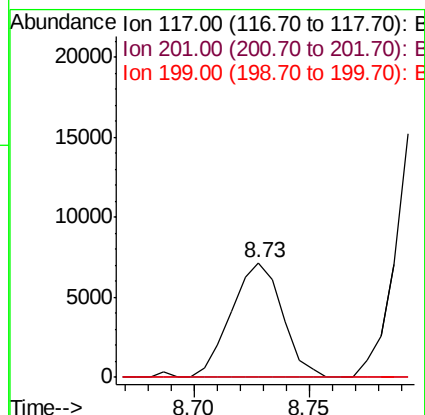
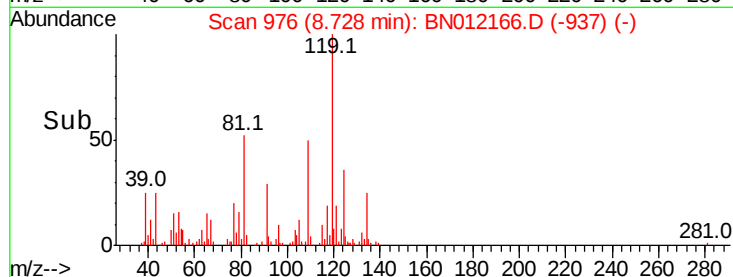
199 0.0 51.8 77.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 3.204 ng/ul

RT: 9.83 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

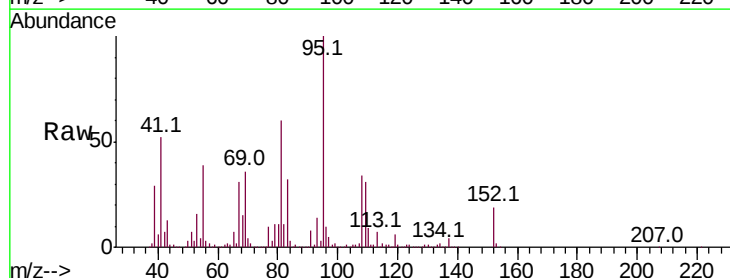
Tgt Ion: 93 Resp: 82105

Ion Ratio Lower Upper

93 100

95 692.8 26.1 39.1#

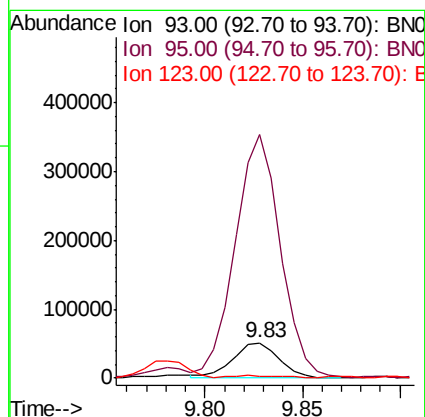
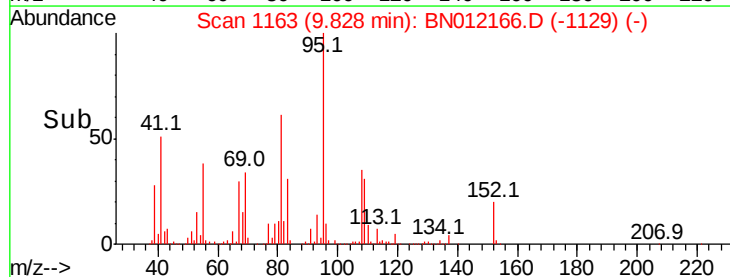
123 6.4 8.3 12.5#

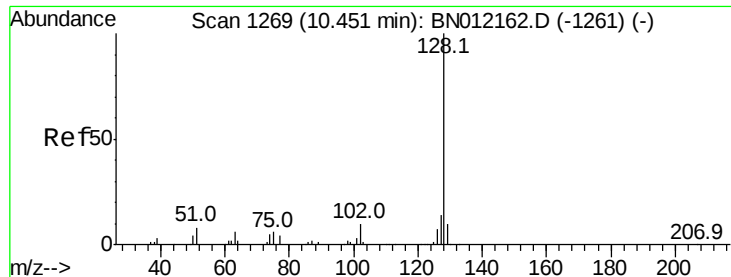


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E





#28

Naphthalene

Concen: 18.020 ng/ul

RT: 10.45 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

Instrument :

BNA_N

ClientSampleId :

CB7M6

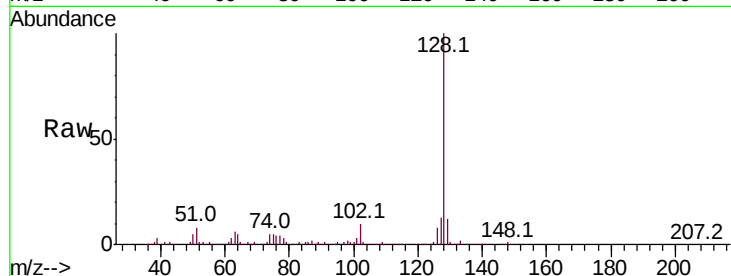
Tot Ion:128 Resp: 1126140

Ion Ratio Lower Upper

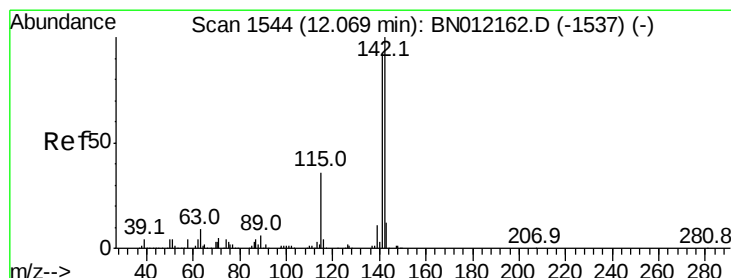
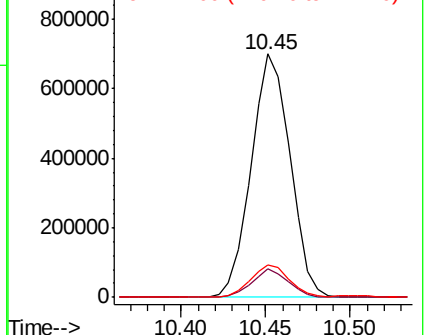
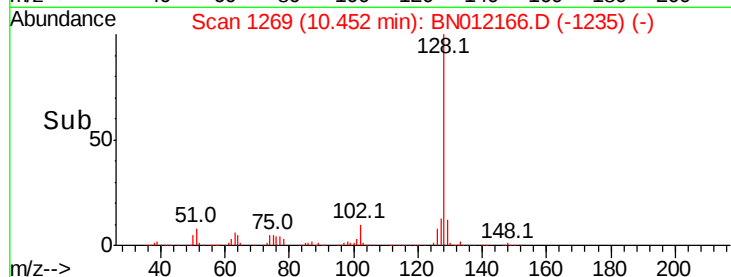
128 100

129 12.0 8.6 12.8

127 13.4 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 4.795 ng/ul

RT: 12.07 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BN012166.D

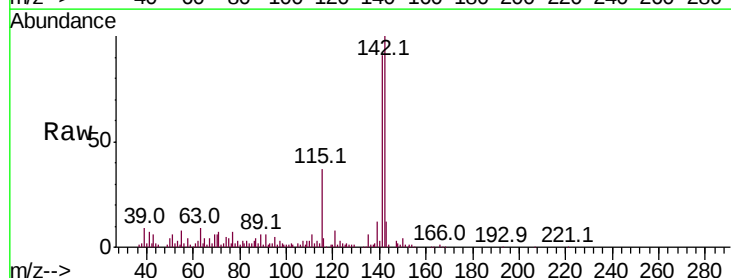
Acq: 13 Oct 2020 18:48

Tgt Ion:142 Resp: 205934

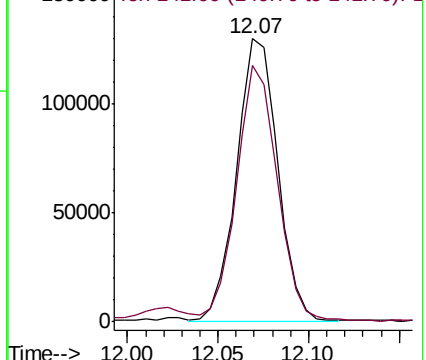
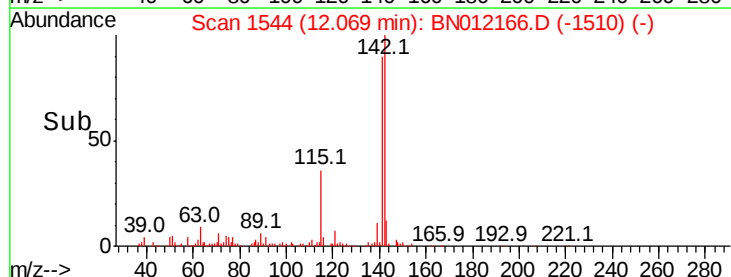
Ion Ratio Lower Upper

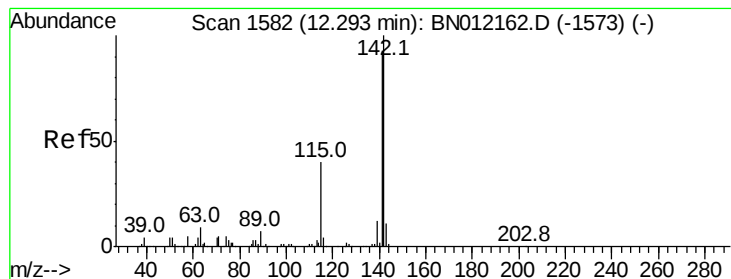
142 100

141 90.6 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 3.906 ng/uL

RT: 12.29 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

Instrument :

BNA_N

ClientSampled :

CB7M6

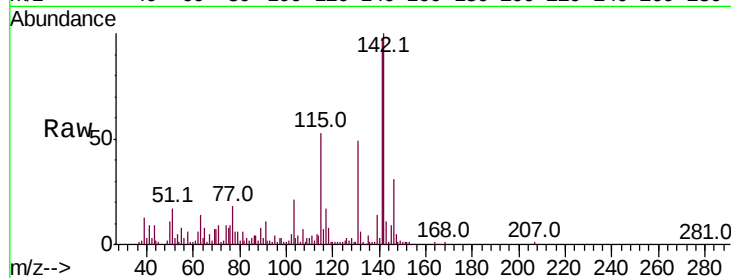
Tot Ion:142 Resp: 164857

Ion Ratio Lower Upper

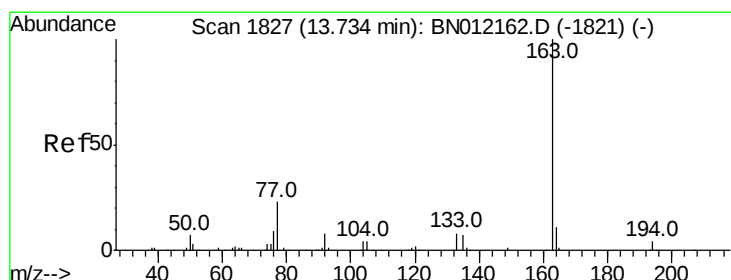
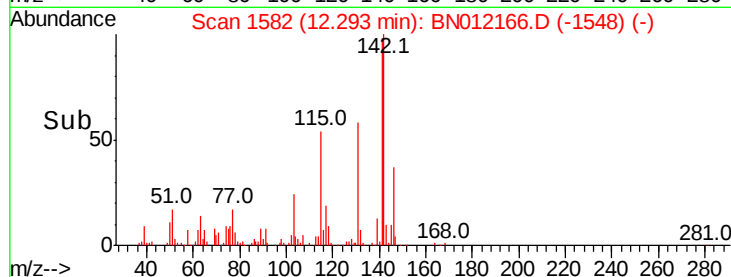
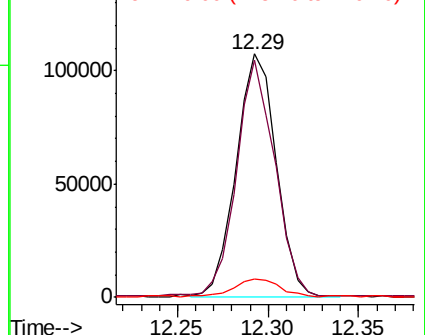
142 100

141 92.5 74.8 112.2

116 8.1 3.4 5.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 3.614 ng/uL

RT: 13.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

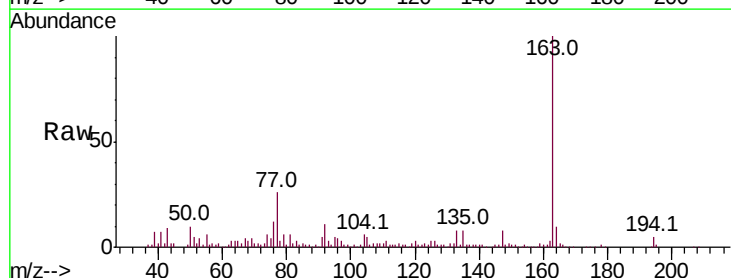
Tgt Ion:163 Resp: 210968

Ion Ratio Lower Upper

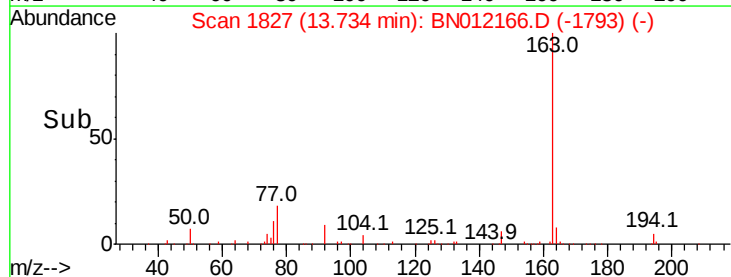
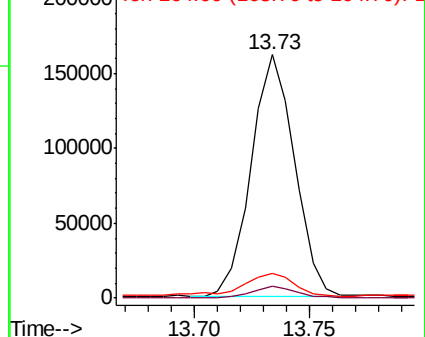
163 100

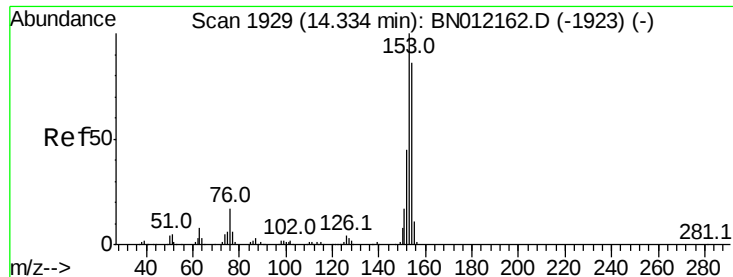
194 4.7 3.7 5.5

164 10.2 8.6 12.8



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





#50

Acenaphthene

Concen: 15.501 ng/ul

RT: 14.33 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

Instrument :

BNA_N

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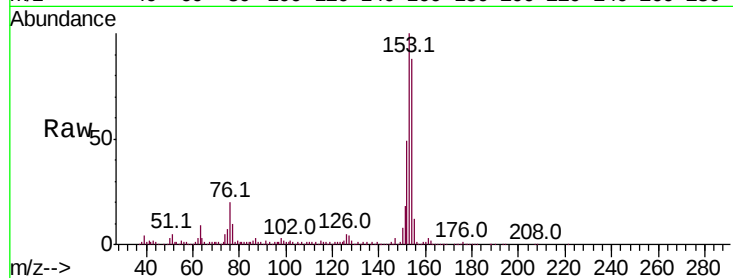
Tot Ion:153 Resp: 753979

Ion Ratio Lower Upper

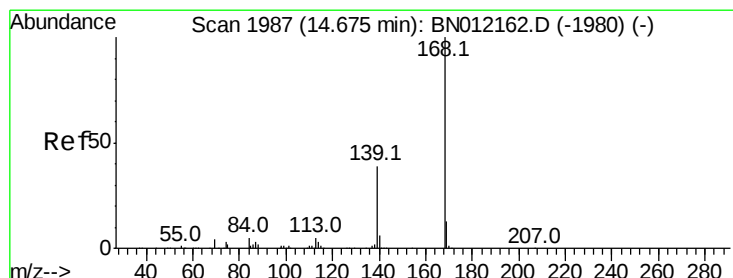
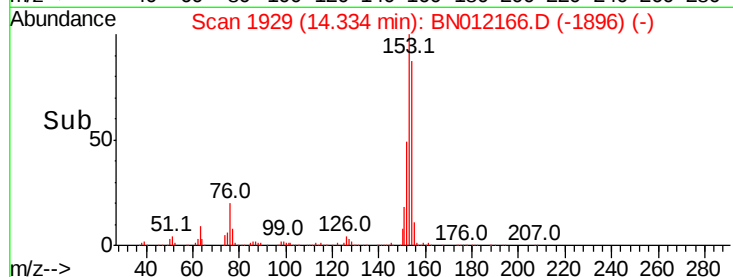
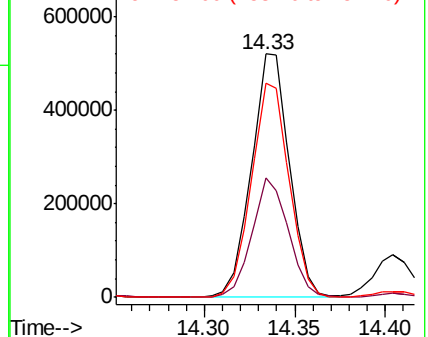
153 100

152 49.2 37.8 56.6

154 88.0 71.8 107.6



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



#54

Dibenzofuran

Concen: 7.378 ng/ul

RT: 14.67 min Scan# 1987

Delta R.T. 0.00 min

Lab File: BN012166.D

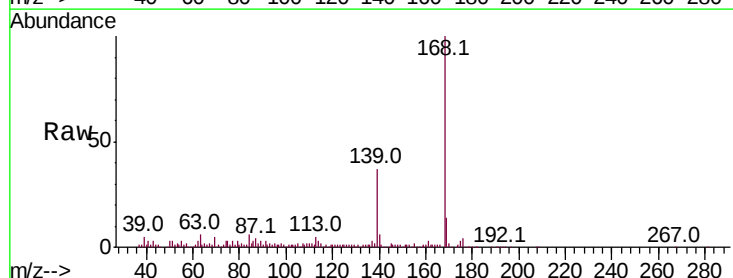
Acq: 13 Oct 2020 18:48

Tgt Ion:168 Resp: 499732

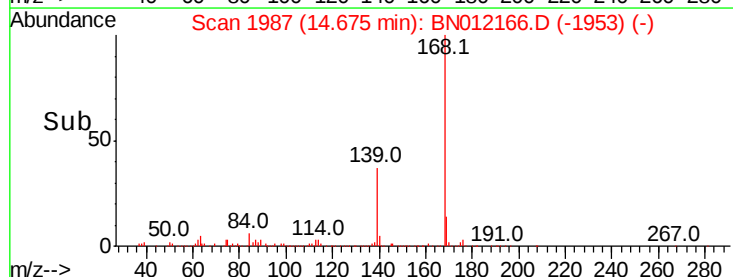
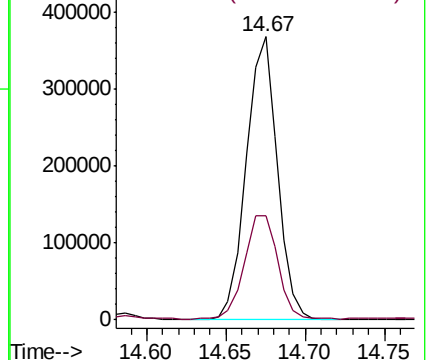
Ion Ratio Lower Upper

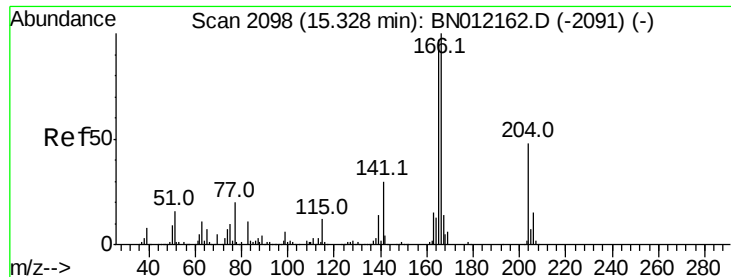
168 100

139 37.0 32.2 48.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 10.068 ng/ul

RT: 15.33 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

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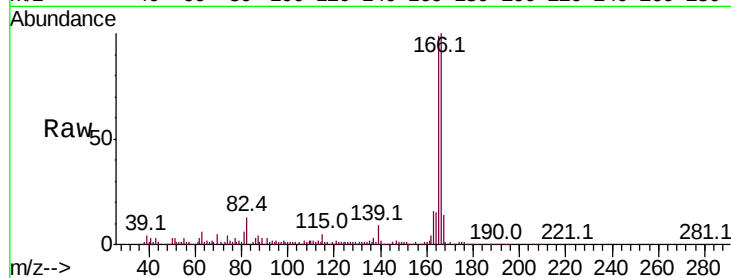
Tot Ion:166 Resp: 573503

Ion Ratio Lower Upper

166 100

165 98.8 79.4 119.2

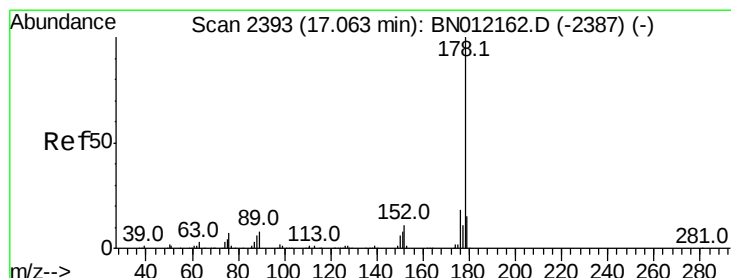
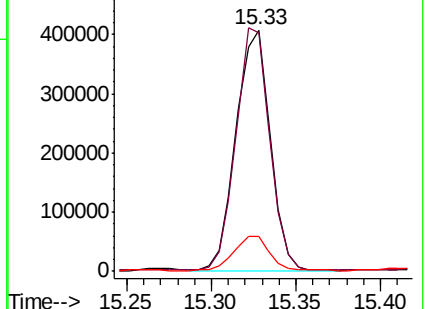
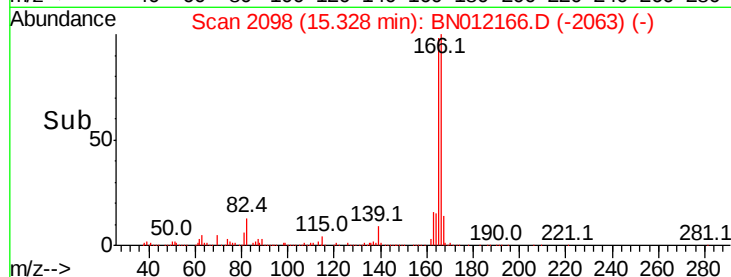
167 14.5 10.4 15.6



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



#70

Phenanthrene

Concen: 16.023 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.00 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

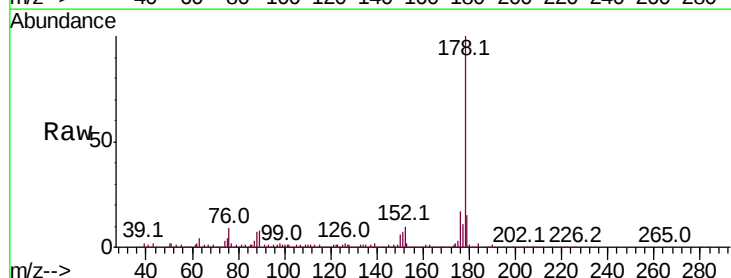
Tgt Ion:178 Resp: 1428657

Ion Ratio Lower Upper

178 100

179 14.9 11.1 16.7

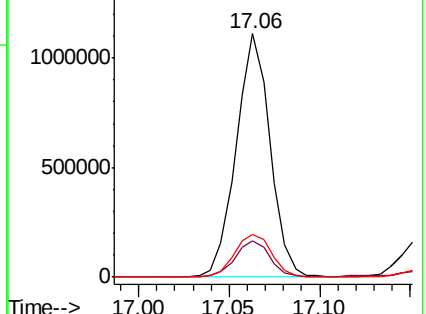
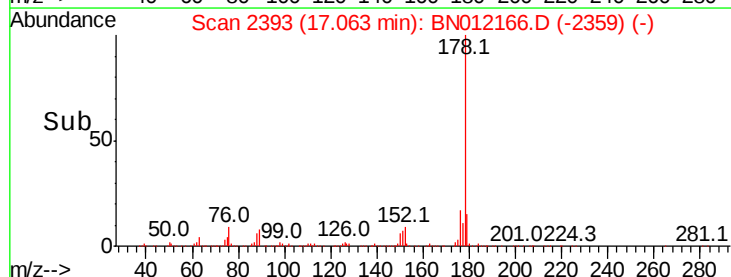
176 17.5 15.1 22.7

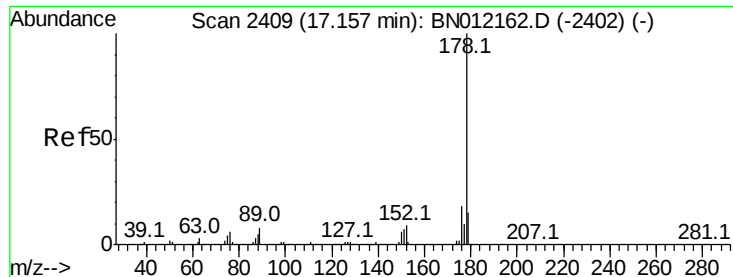


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

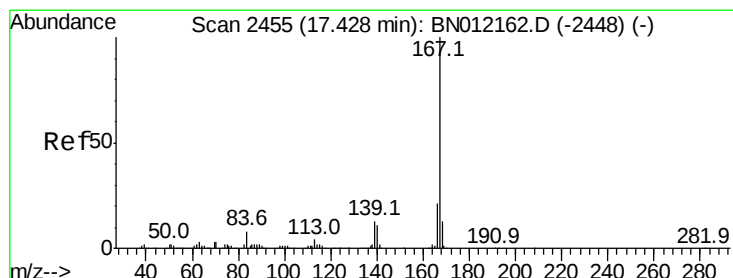
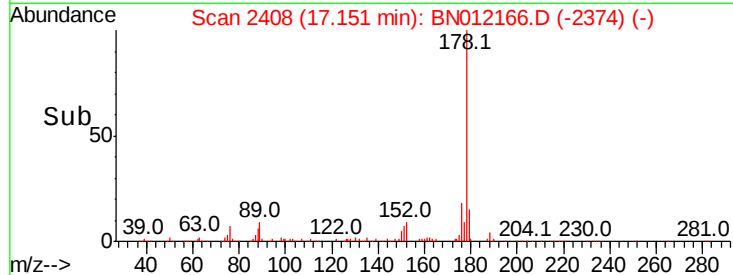
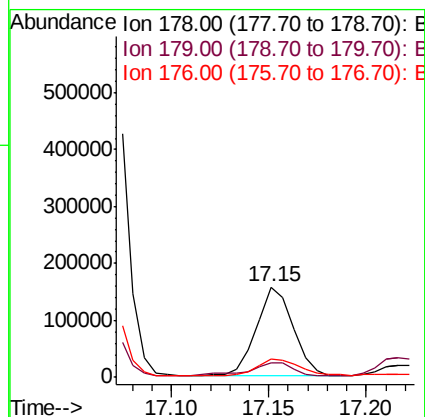
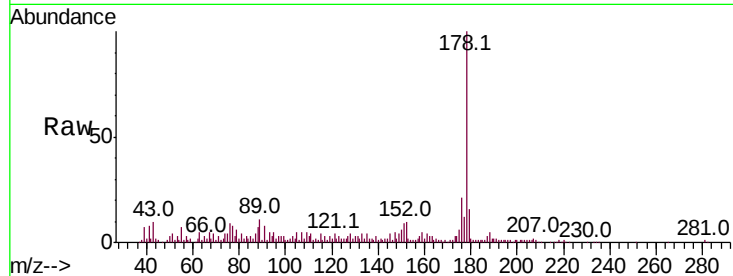




#72
 Anthracene
 Concen: 2.258 ng/ul
 RT: 17.15 min Scan# 2408
 Delta R.T. 0.00 min
 Lab File: BN012166.D
 Acq: 13 Oct 2020 18:48

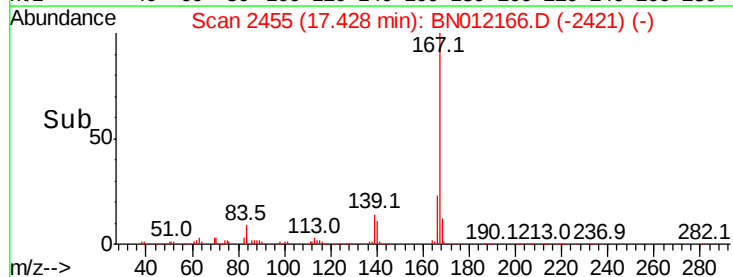
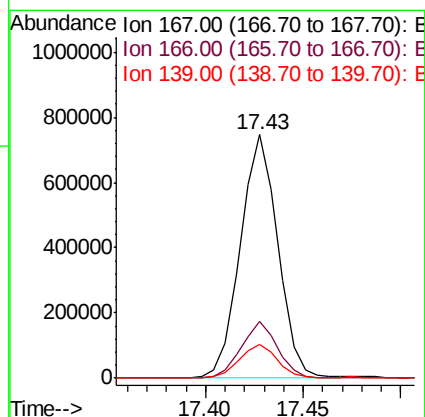
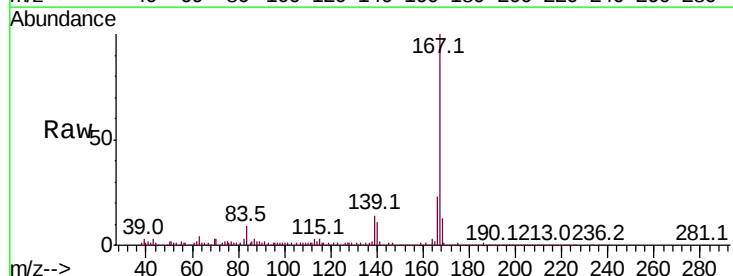
Instrument :
 BNA_N
 ClientSampleId :
 CB7M6

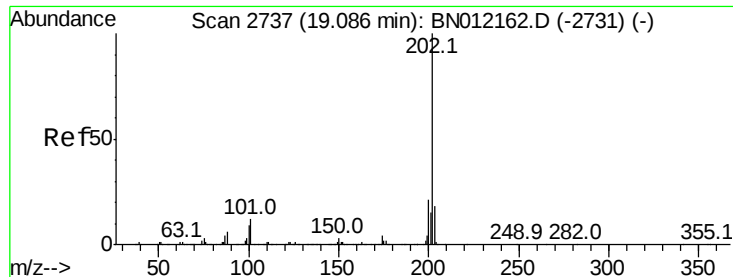
Tot Ion:178 Resp: 205059
 Ion Ratio Lower Upper
 178 100
 179 16.4 12.2 18.4
 176 20.7 14.2 21.2



#75
 Carbazole
 Concen: 12.788 ng/ul
 RT: 17.43 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: BN012166.D
 Acq: 13 Oct 2020 18:48

Tgt Ion:167 Resp: 988152
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.0 25.6
 139 13.9 11.1 16.7





#77

Fluoranthene

Concen: 2.934 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.00 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

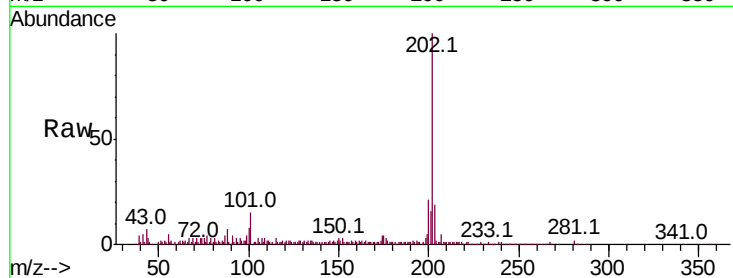
Instrument :

BNA_N

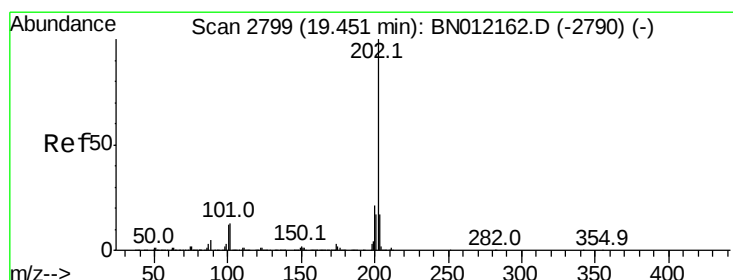
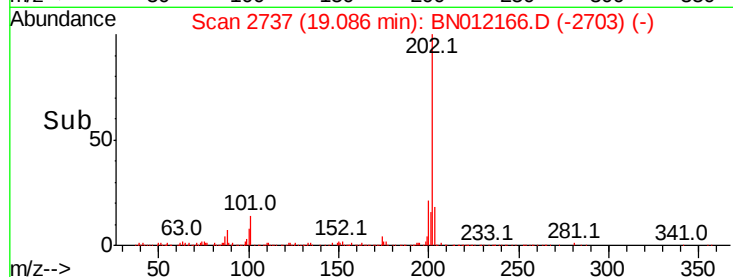
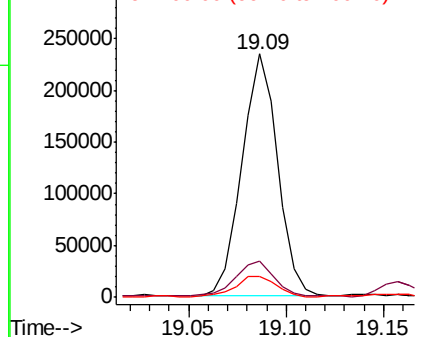
ClientSampleId :

CB7M6

Tot Ion:	202	Resp:	296195
Ion Ratio	Lower	Upper	
202	100		
101	14.7	8.8	13.2#
100	8.4	7.0	10.4



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: 1.722 ng/ul

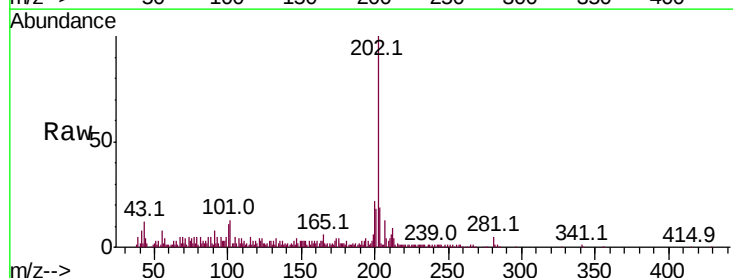
RT: 19.45 min Scan# 2799

Delta R.T. 0.00 min

Lab File: BN012166.D

Acq: 13 Oct 2020 18:48

Tgt Ion:	202	Resp:	183628
Ion Ratio	Lower	Upper	
202	100		
101	12.7	9.6	14.4
100	10.9	8.2	12.4



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

