

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062918\
 Data File : BN001921.D
 Acq On : 29 Jun 2018 09:58
 Operator : JU/SJ
 Sample : J3661-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 X2D20

Quant Time: Jun 29 13:28:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 26 04:45:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	506514	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	2352594	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1435271	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3347722	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	3445037	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	3443473	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	67258	5.77	ng/uL	0.00
5) Phenol-d5	6.89	99	1552815	33.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	980688	34.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1224522	33.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	1268290	34.54	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	634153	36.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	691789	38.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	1381061	35.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1797738	44.98	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	4283324	35.34	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	5214891	34.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	816421	36.57	ng/ul	0.01
57) Fluorene-d10	15.34	176	3682104	34.66	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	650118	35.65	ng/ul	0.00
70) Anthracene-d10	17.19	188	5943567	36.75	ng/ul	0.00
76) Pyrene-d10	19.49	212	6764902	38.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	7085613	37.84	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.92	94	2755679	59.614 ng/ul	99
10) 2-Chlorophenol	7.28	128	2161413	58.756 ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.24	45	1487956	26.471 ng/ul	95
17) Hexachloroethane	8.78	117	861427	59.390 ng/ul	86
27) 2,4-Dichlorophenol	10.13	162	2247284	59.925 ng/ul	98
28) Naphthalene	10.53	128	6763584	54.179 ng/ul	99
31) Hexachlorobutadiene	10.82	225	1220951	53.316 ng/ul	97
36) 1,2,4,5-Tetrachlorobenzene	12.52	216	3480274	74.656 ng/ul#	96
45) 2,6-Dinitrotoluene	13.92	165	1577190	70.120 ng/ul	98
49) Acenaphthene	14.40	153	5862617	58.515 ng/ul	99
54) 2,4-Dinitrotoluene	14.71	165	2048357	61.250 ng/ul	96
56) Diethylphthalate	15.17	149	7369433	61.045 ng/ul	99
58) Fluorene	15.39	166	6799009	59.291 ng/ul	99
66) Hexachlorobenzene	16.40	284	2626958	64.140 ng/ul#	93
68) Pentachlorophenol	16.74	266	1710383	75.519 ng/ul	97
71) Anthracene	17.22	178	9851884	51.610 ng/ul	99
77) Pyrene	19.52	202	13013089	60.361 ng/ul#	79
78) Butylbenzylphthalate	20.43	149	6322964	68.731 ng/ul	94
80) Benzo(a)anthracene	21.27	228	10056721	46.190 ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.22	149	8716194	63.536 ng/ul	96
82) Chrysene	21.33	228	9733322	48.046 ng/ul	95
85) Benzo(b)fluoranthene	22.86	252	10743892	49.400 ng/ul#	93
86) Benzo(k)fluoranthene	22.90	252	8092956	38.373 ng/ul#	95

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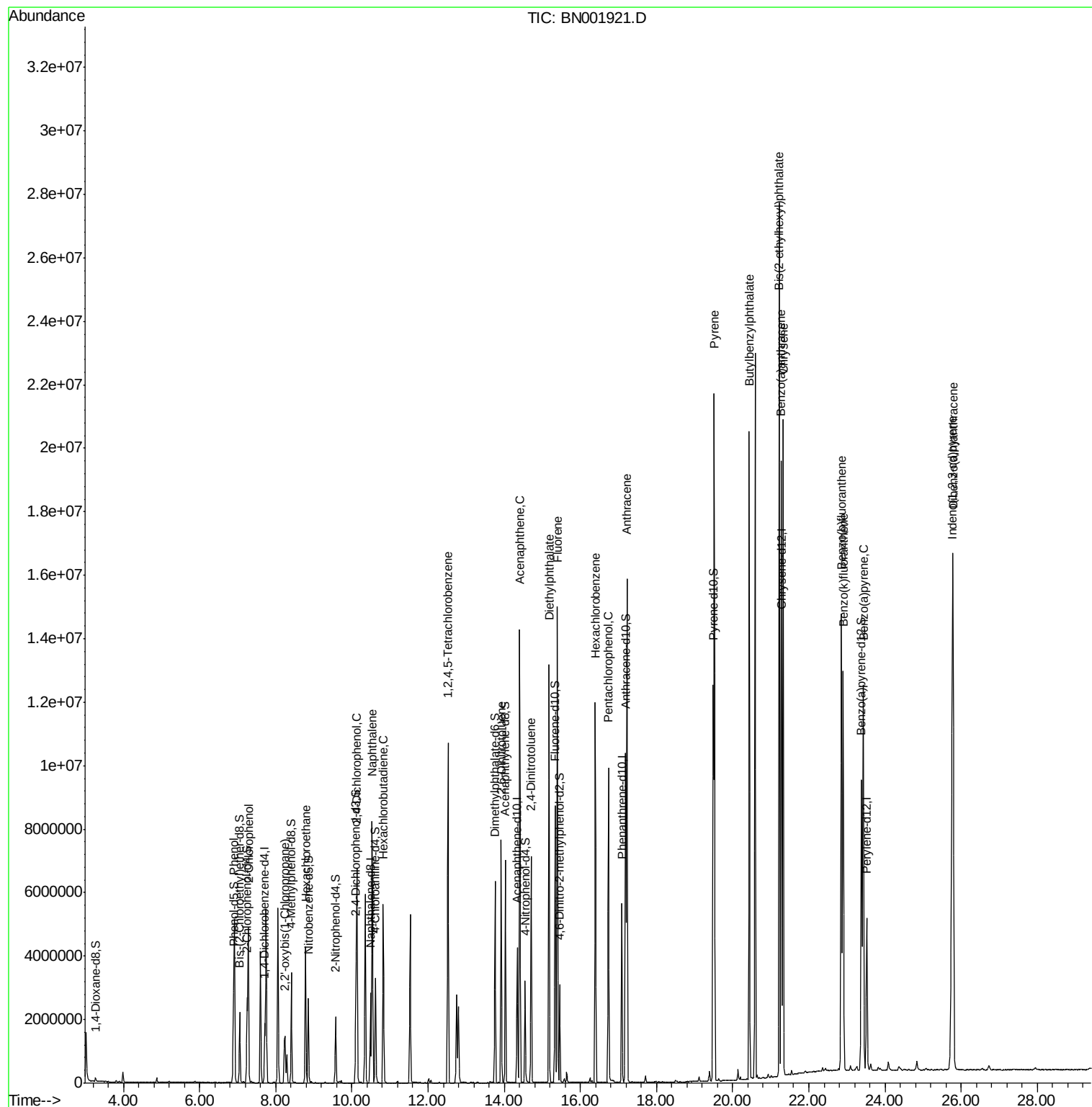
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.43	252	9132275	44.934	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.77	276	12457657	57.605	ng/ul#	85
90) Dibenzo(a,h)anthracene	25.79	278	11267173	62.601	ng/ul#	94

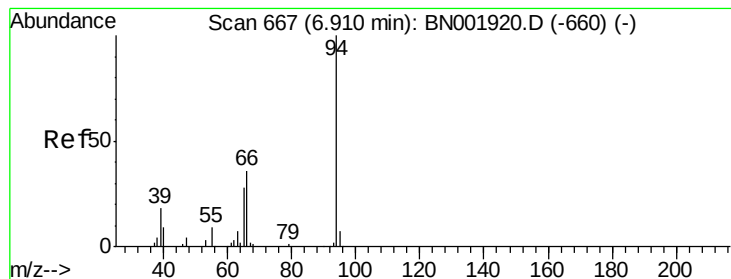
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 59.614 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. 0.01 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

Instrument :

BNA_N

ClientSampleId :

X2D20

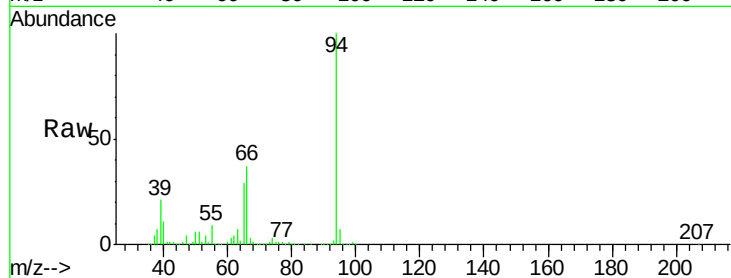
Tgt Ion: 94 Resp: 2755679

Ion Ratio Lower Upper

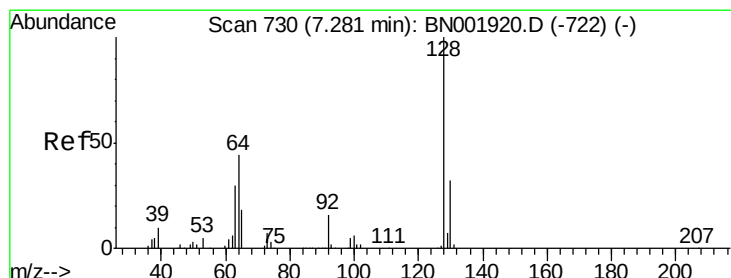
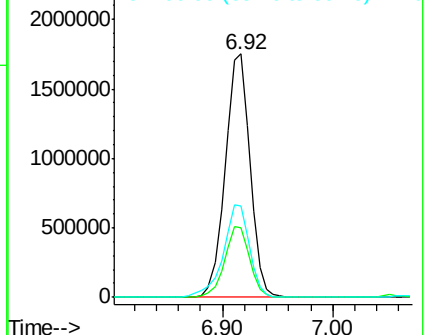
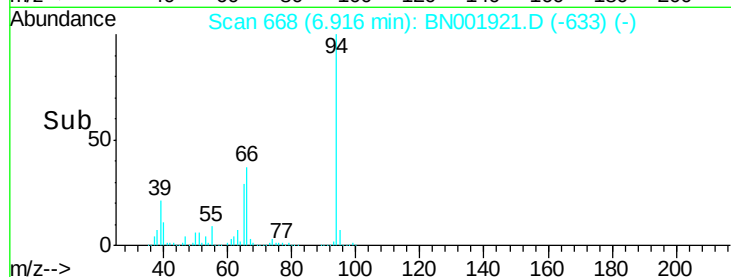
94 100

65 28.5 23.0 34.6

66 37.4 30.4 45.6



Abundance Ion 94.00 (93.70 to 94.70): BN001921.D (-633) (-)



#10

2-Chlorophenol

Concen: 58.756 ng/ul

RT: 7.28 min Scan# 730

Delta R.T. 0.01 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

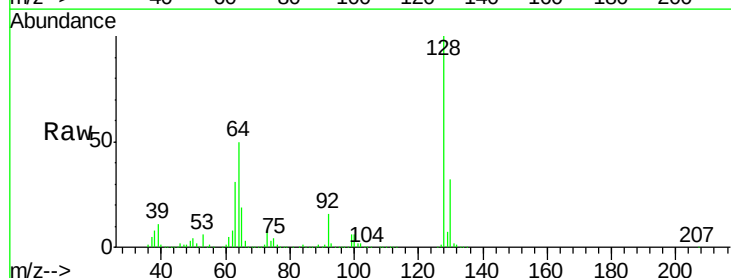
Tgt Ion:128 Resp: 2161413

Ion Ratio Lower Upper

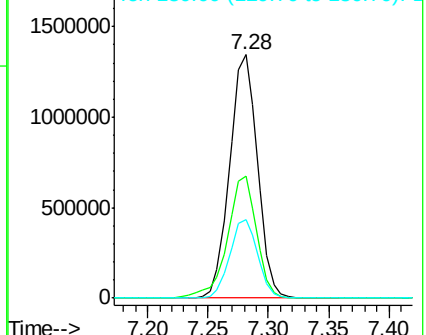
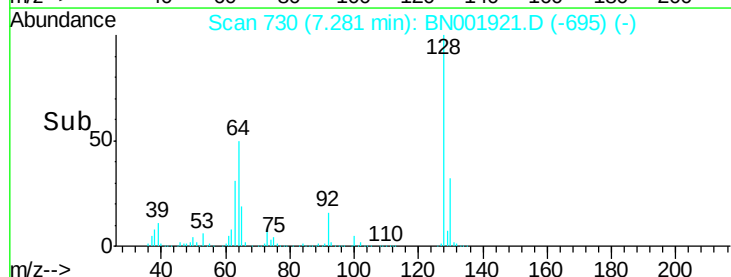
128 100

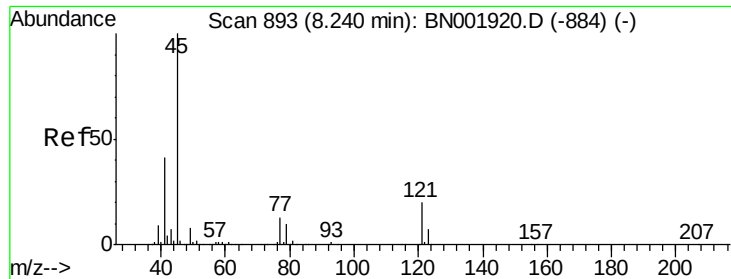
64 50.4 39.8 59.6

130 32.2 25.8 38.8



Abundance Ion 128.00 (127.70 to 128.70): BN001921.D (-695) (-)

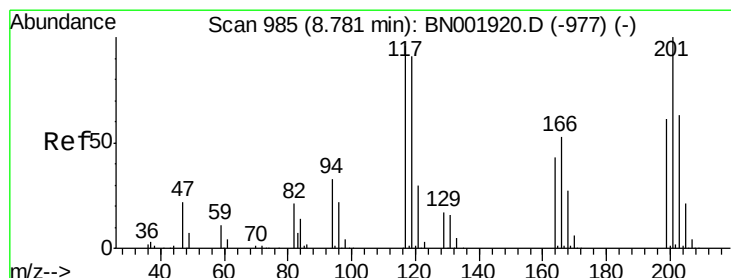
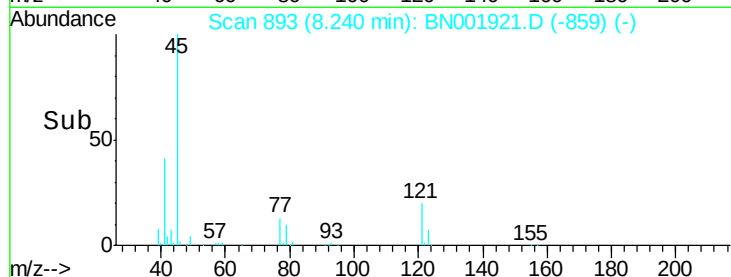
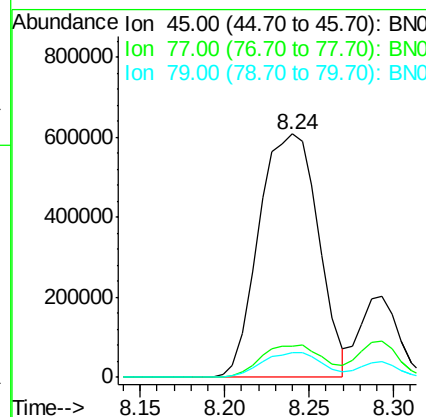
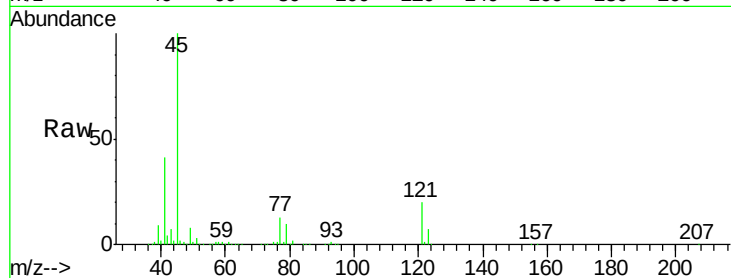




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 26.471 ng/ul
 RT: 8.24 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BN001921.D
 Acq: 29 Jun 2018 09:58

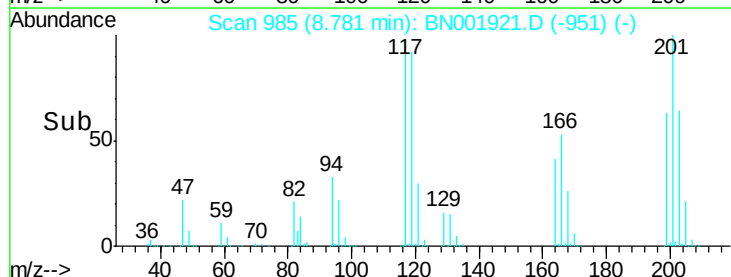
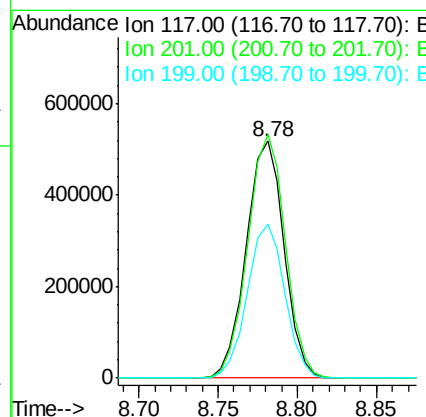
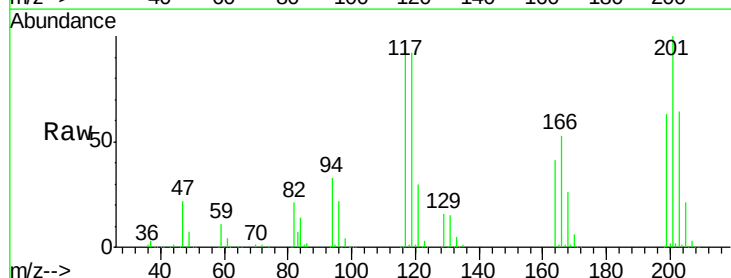
Instrument :
 BNA_N
 ClientSampleId :
 X2D20

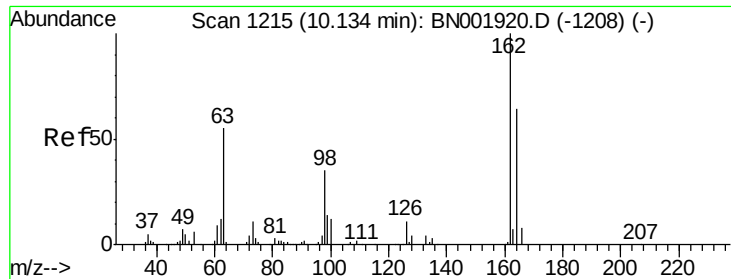
Tgt Ion: 45 Resp: 1487956
 Ion Ratio Lower Upper
 45 100
 77 13.0 12.5 18.7
 79 10.1 9.4 14.2



#17
 Hexachloroethane
 Concen: 59.390 ng/ul
 RT: 8.78 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: BN001921.D
 Acq: 29 Jun 2018 09:58

Tgt Ion: 117 Resp: 861427
 Ion Ratio Lower Upper
 117 100
 201 102.9 96.1 144.1
 199 64.9 59.7 89.5





#27

2,4-Dichlorophenol

Concen: 59.925 ng/ul

RT: 10.13 min Scan# 1215

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

Instrument :

BNA_N

ClientSampleId :

X2D20

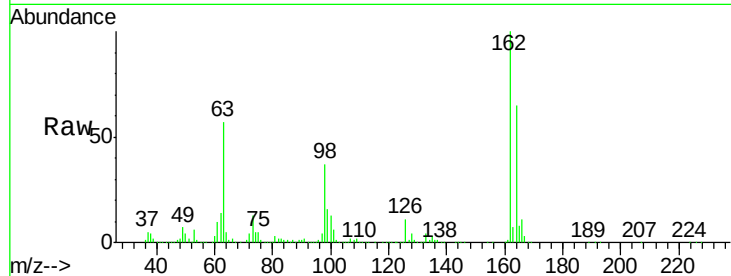
Tgt Ion:162 Resp: 2247284

Ion Ratio Lower Upper

162 100

164 65.4 52.0 78.0

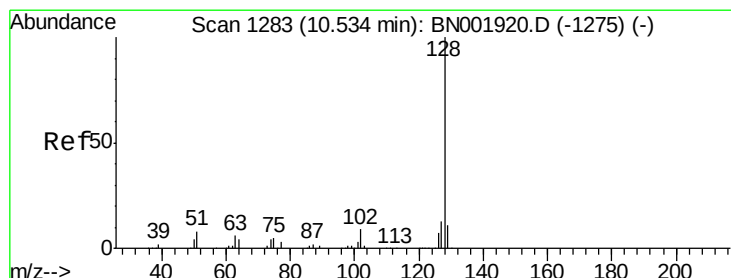
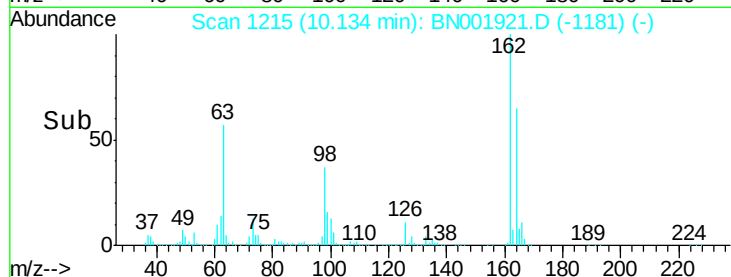
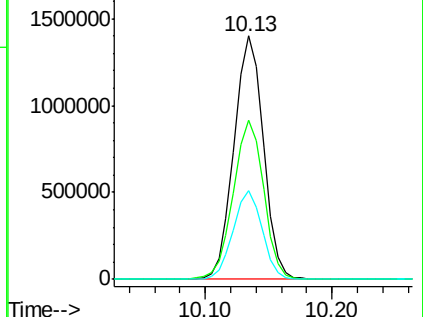
98 36.5 26.6 39.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNC



#28

Naphthalene

Concen: 54.179 ng/ul

RT: 10.53 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

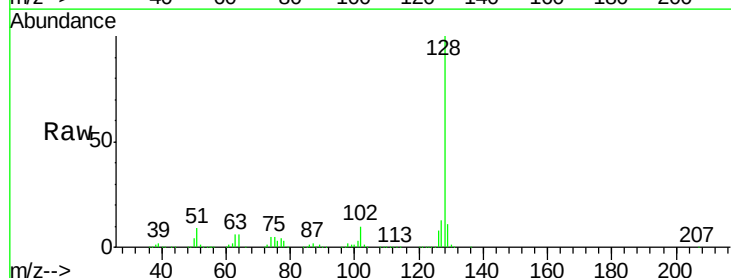
Tgt Ion:128 Resp: 6763584

Ion Ratio Lower Upper

128 100

129 11.5 8.3 12.5

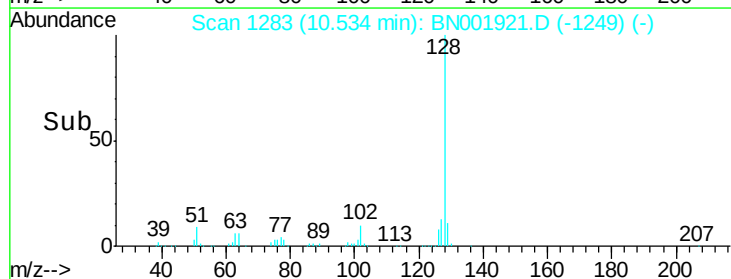
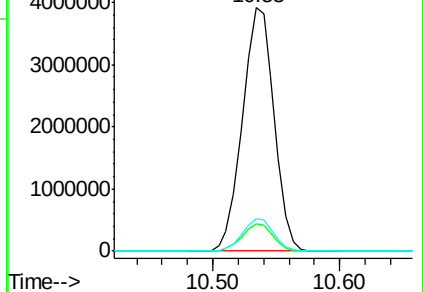
127 13.5 10.8 16.2

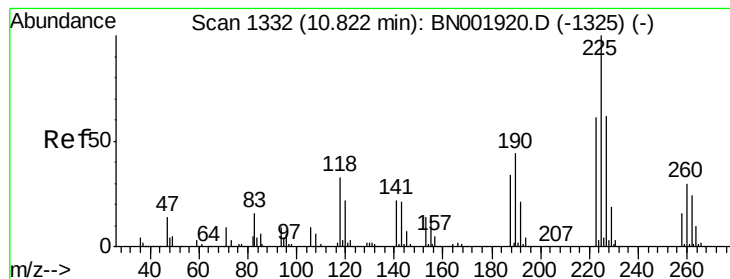


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#31

Hexachlorobutadiene

Concen: 53.316 ng/ul

RT: 10.82 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

Instrument :

BNA_N

ClientSampleId :

X2D20

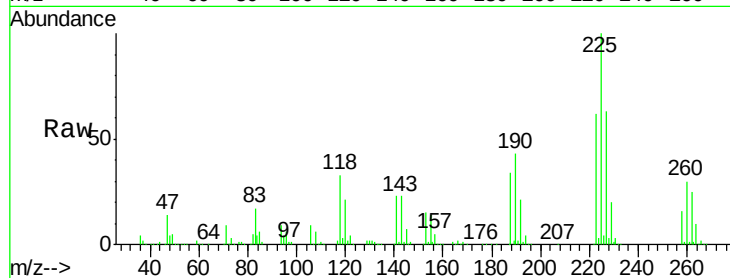
Tgt Ion:225 Resp: 1220951

Ion Ratio Lower Upper

225 100

223 62.3 48.1 72.1

227 62.8 52.1 78.1

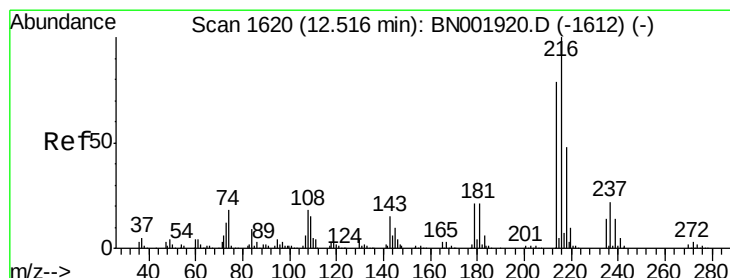
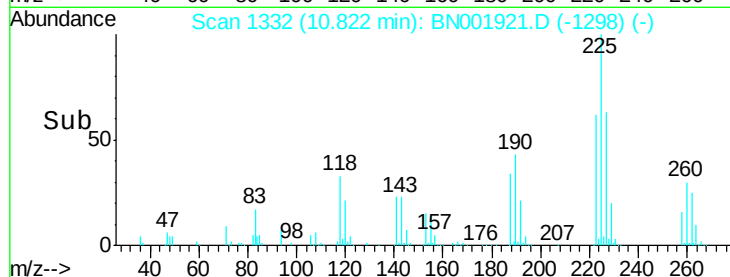
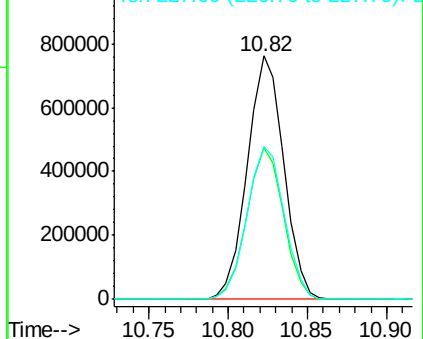


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#36

1,2,4,5-Tetrachlorobenzene

Concen: 74.656 ng/ul

RT: 12.52 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

Tgt Ion:216 Resp: 3480274

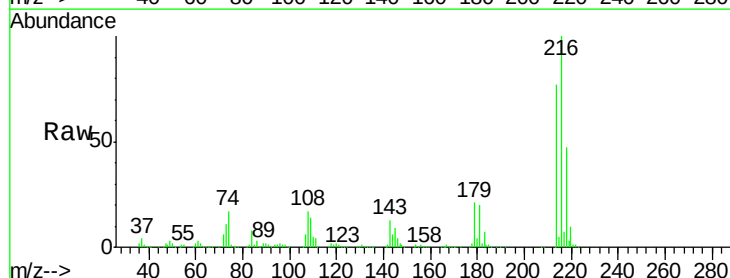
Ion Ratio Lower Upper

216 100

214 77.3 64.1 96.1

179 20.9 14.5 21.7

108 16.6 10.4 15.6#



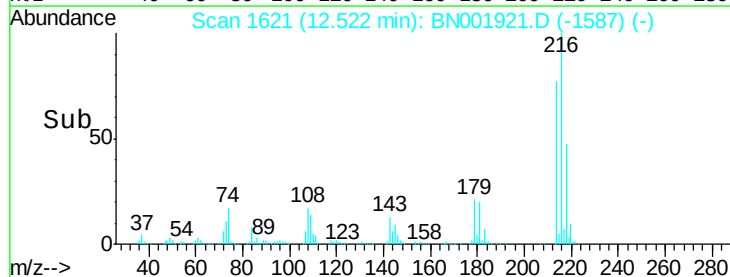
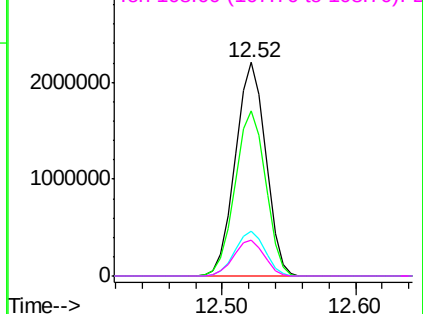
Abundance

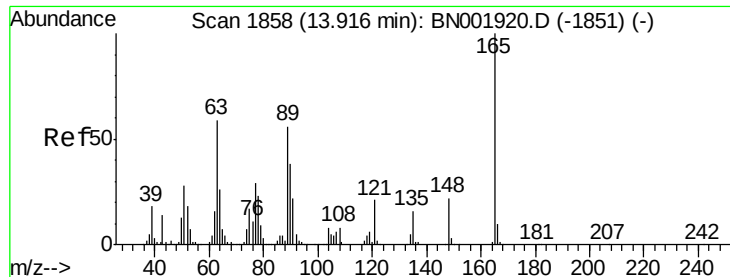
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#45

2,6-Dinitrotoluene

Concen: 70.120 ng/ul

RT: 13.92 min Scan# 1859

Delta R.T. 0.01 min

Lab File: BN001921.D

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X2D20

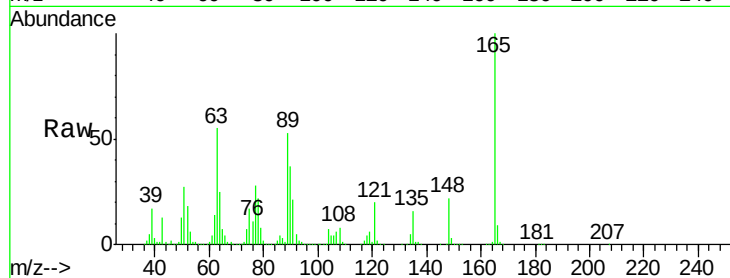
Tgt Ion:165 Resp: 1577190

Ion Ratio Lower Upper

165 100

89 53.4 43.8 65.8

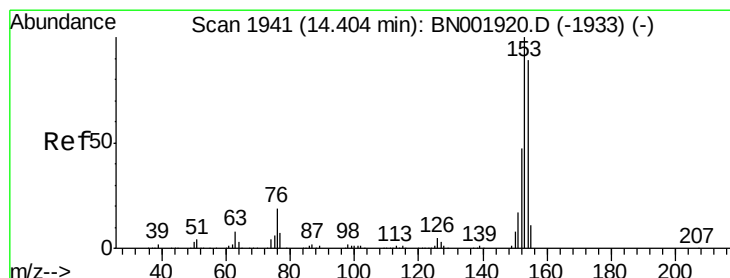
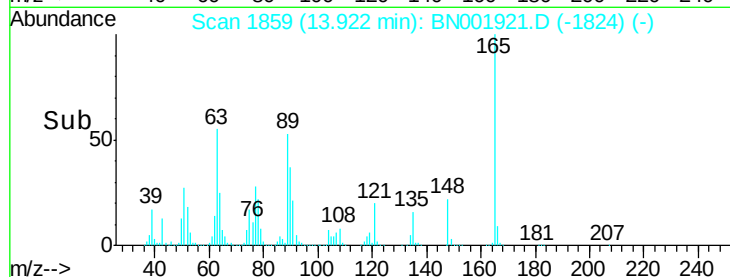
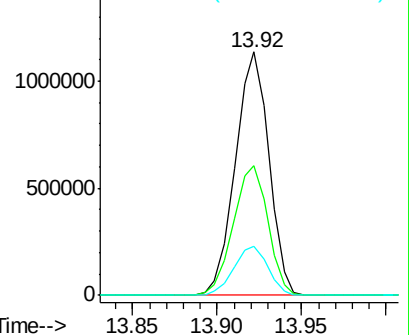
121 20.3 17.8 26.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNO

Ion 121.00 (120.70 to 121.70): E



#49

Acenaphthene

Concen: 58.515 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

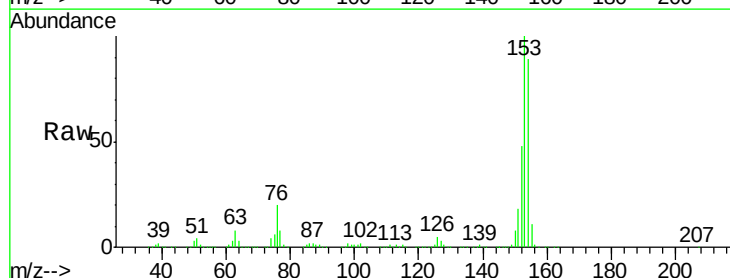
Tgt Ion:153 Resp: 5862617

Ion Ratio Lower Upper

153 100

152 47.5 37.9 56.9

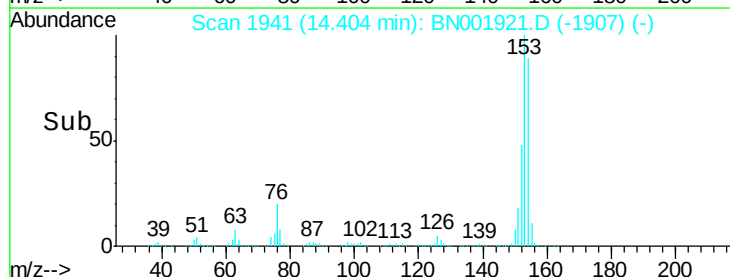
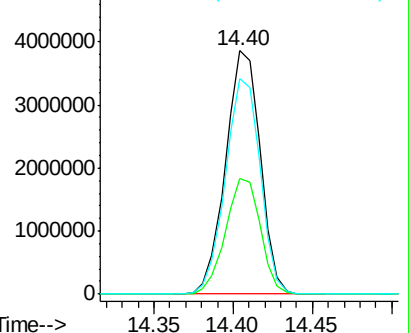
154 88.6 69.8 104.6

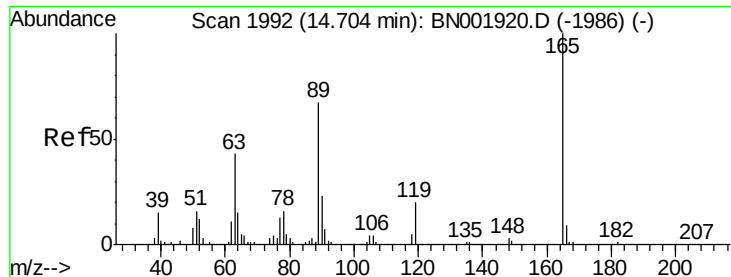


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

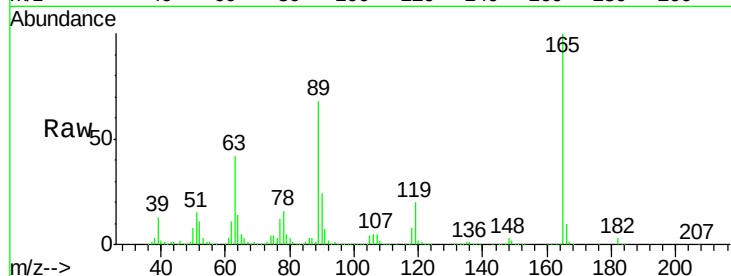




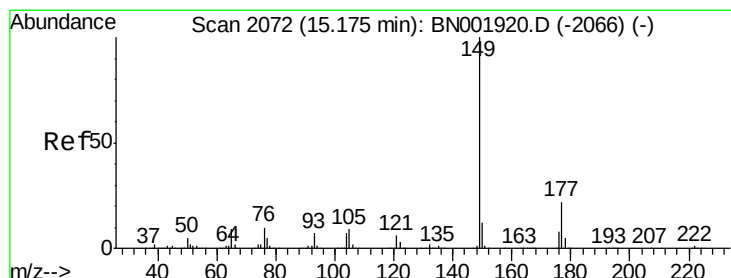
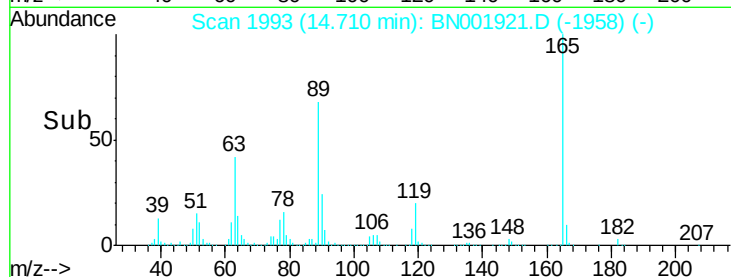
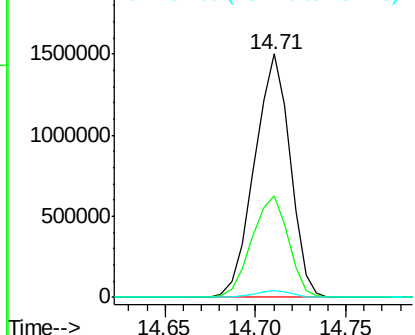
#54
2,4-Dinitrotoluene
Concen: 61.250 ng/ul
RT: 14.71 min Scan# 1993
Delta R.T. 0.01 min
Lab File: BN001921.D
Acq: 29 Jun 2018 09:58

Instrument :
BNA_N
ClientSampleId :
X2D20

Tgt Ion:165 Resp: 2048357
Ion Ratio Lower Upper
165 100
63 41.9 31.4 47.0
182 3.0 2.7 4.1

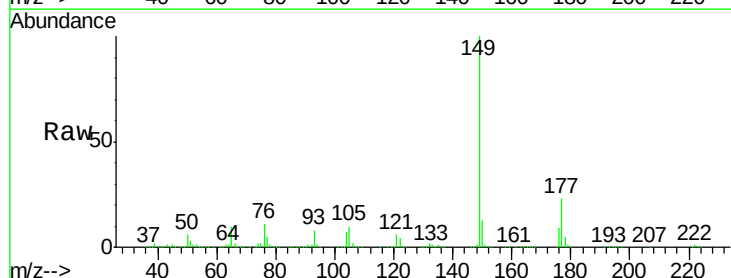


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 182.00 (181.70 to 182.70): E

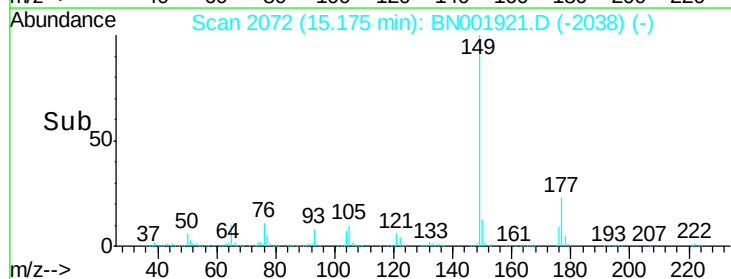
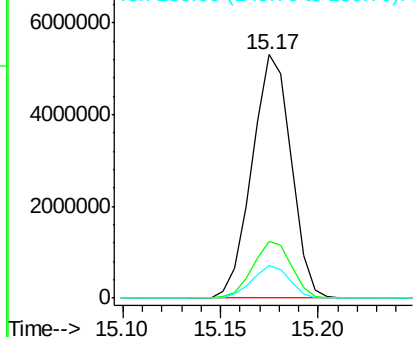


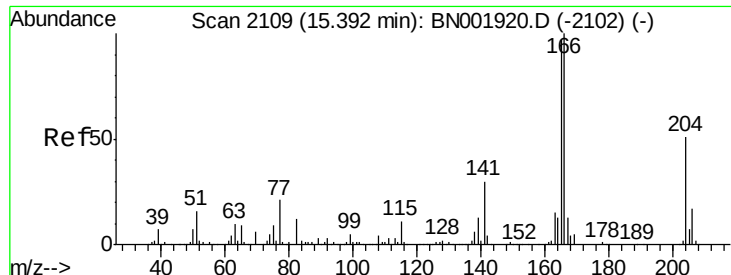
#56
Diethylphthalate
Concen: 61.045 ng/ul
RT: 15.17 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BN001921.D
Acq: 29 Jun 2018 09:58

Tgt Ion:149 Resp: 7369433
Ion Ratio Lower Upper
149 100
177 23.2 19.3 28.9
150 13.2 10.6 15.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 59.291 ng/ul

RT: 15.39 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

Instrument :

BNA_N

ClientSampleId :

X2D20

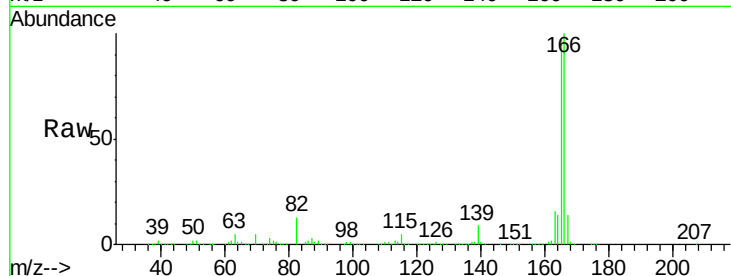
Tgt Ion:166 Resp: 6799009

Ion Ratio Lower Upper

166 100

165 97.2 78.4 117.6

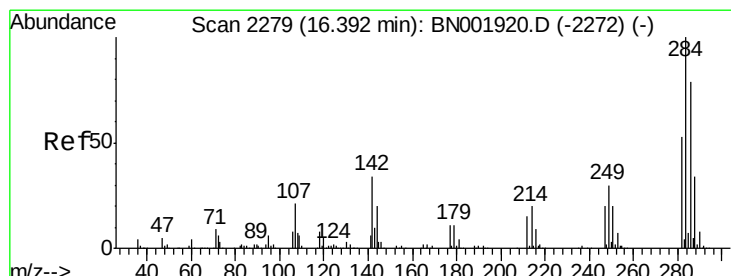
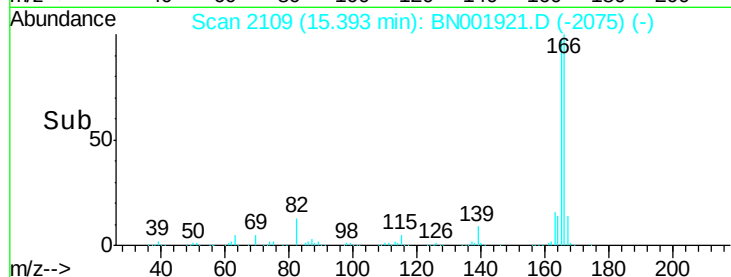
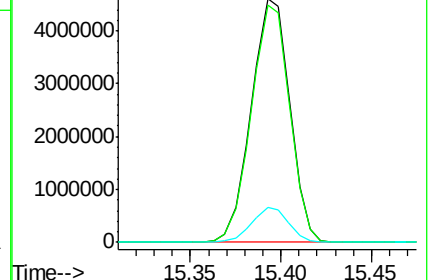
167 14.3 11.1 16.7



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



#66

Hexachlorobenzene

Concen: 64.140 ng/ul

RT: 16.40 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

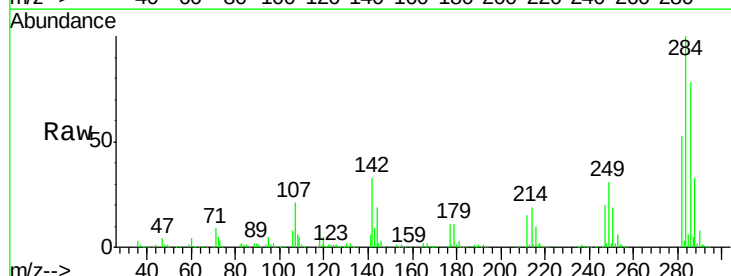
Tgt Ion:284 Resp: 2626958

Ion Ratio Lower Upper

284 100

142 32.5 21.3 31.9#

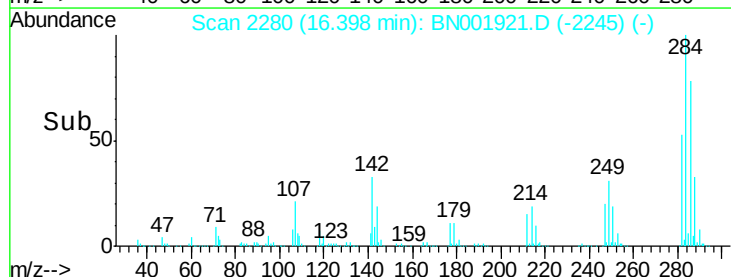
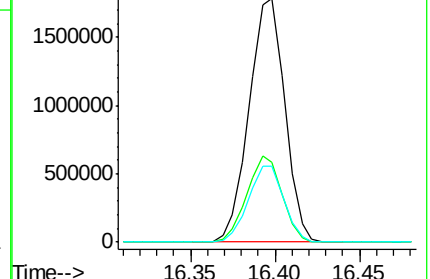
249 31.4 26.3 39.5

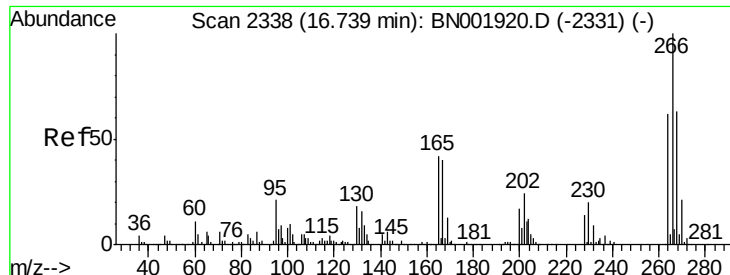


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

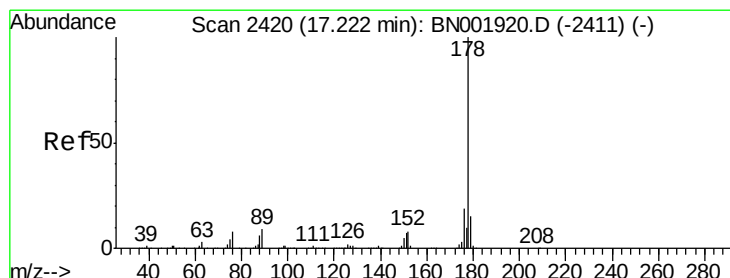
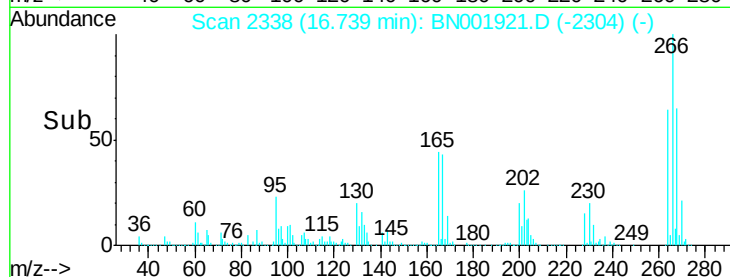
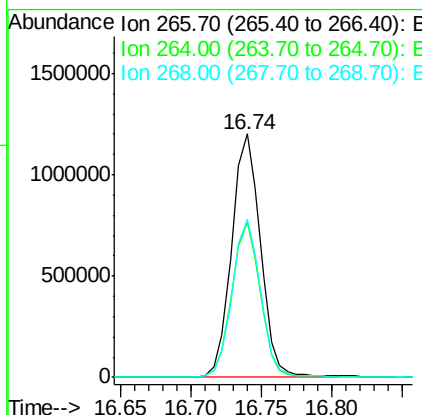
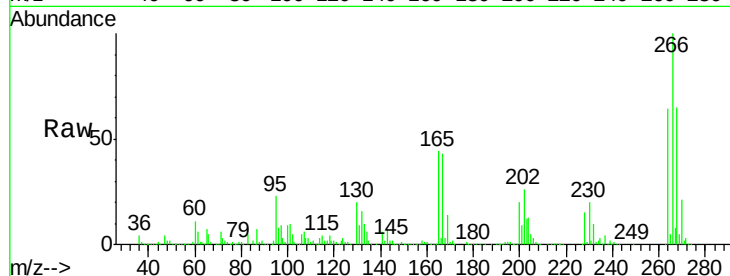




#68
 Pentachlorophenol
 Concen: 75.519 ng/ul
 RT: 16.74 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: BN001921.D
 Acq: 29 Jun 2018 09:58

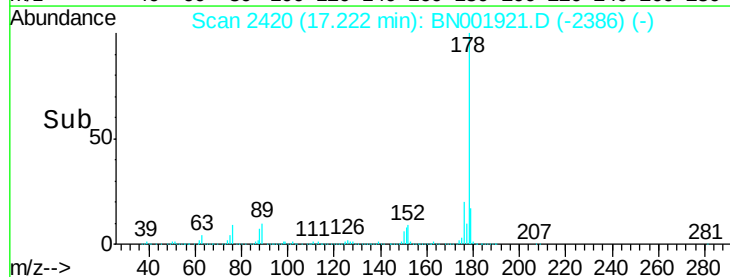
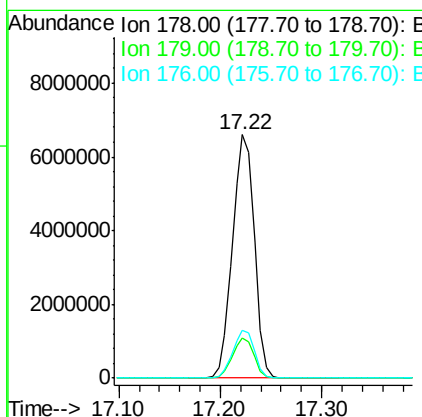
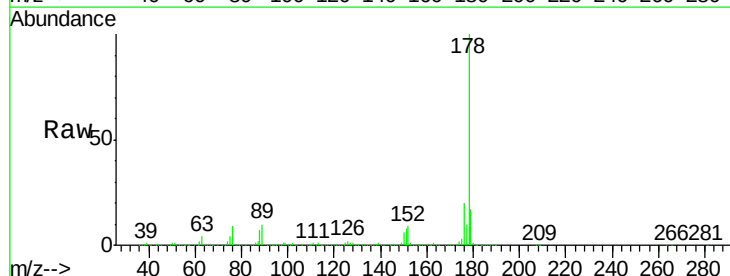
Instrument :
 BNA_N
 ClientSampleId :
 X2D20

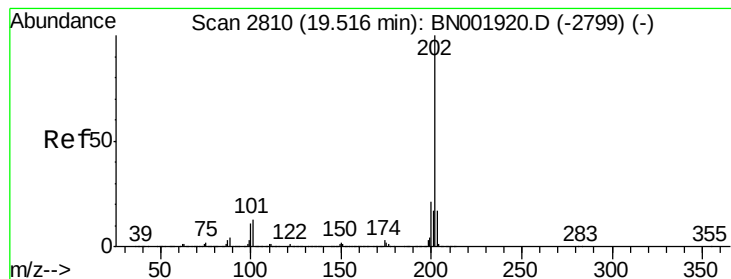
Tgt Ion:266 Resp: 1710383
 Ion Ratio Lower Upper
 266 100
 264 63.6 48.2 72.4
 268 64.7 52.3 78.5



#71
 Anthracene
 Concen: 51.610 ng/ul
 RT: 17.22 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BN001921.D
 Acq: 29 Jun 2018 09:58

Tgt Ion:178 Resp: 9851884
 Ion Ratio Lower Upper
 178 100
 179 16.6 13.4 20.2
 176 19.7 15.4 23.0





#77

Pyrene

Concen: 60.361 ng/ul

RT: 19.52 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

Instrument :

BNA_N

ClientSampleId :

X2D20

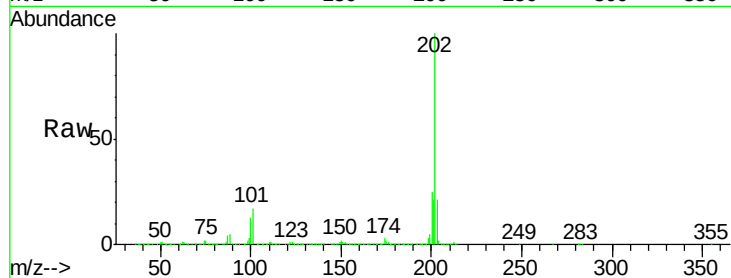
Tgt Ion:202 Resp:13013089

Ion Ratio Lower Upper

202 100

101 16.7 6.9 10.3#

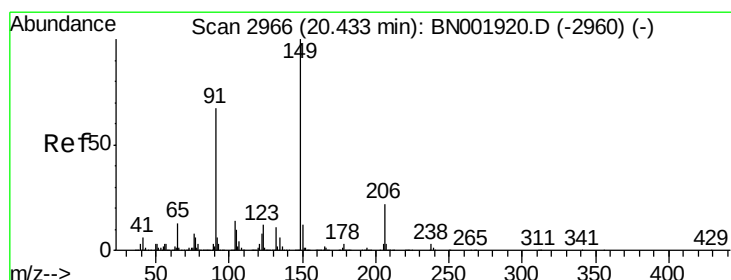
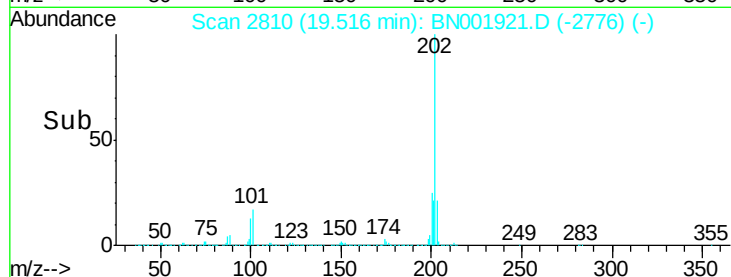
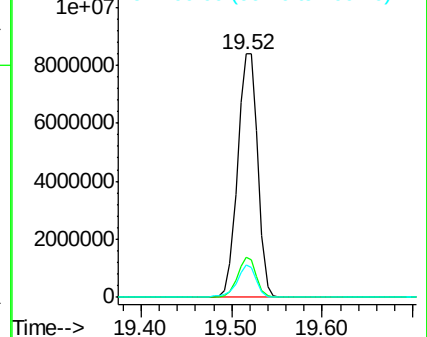
100 13.4 5.6 8.4#



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



#78

Butylbenzylphthalate

Concen: 68.731 ng/ul

RT: 20.43 min Scan# 2966

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

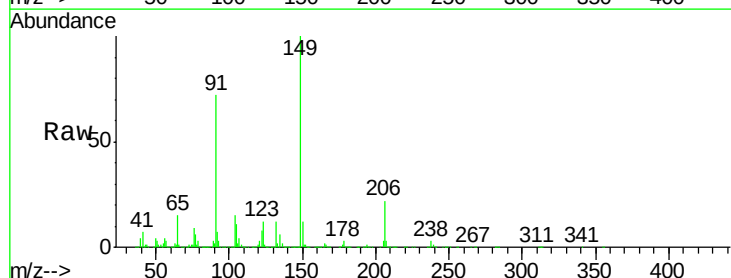
Tgt Ion:149 Resp: 6322964

Ion Ratio Lower Upper

149 100

91 71.7 53.4 80.0

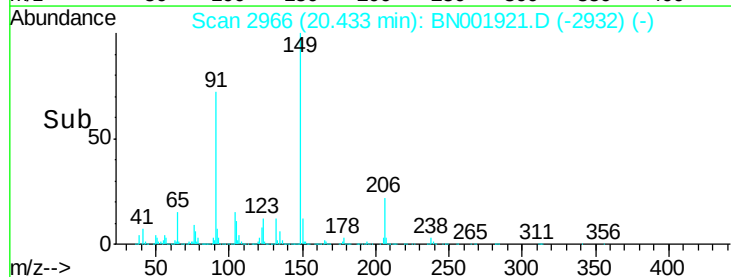
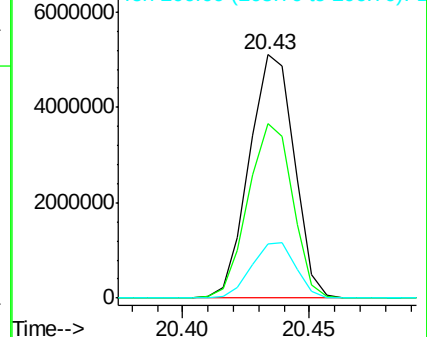
206 22.3 19.3 28.9

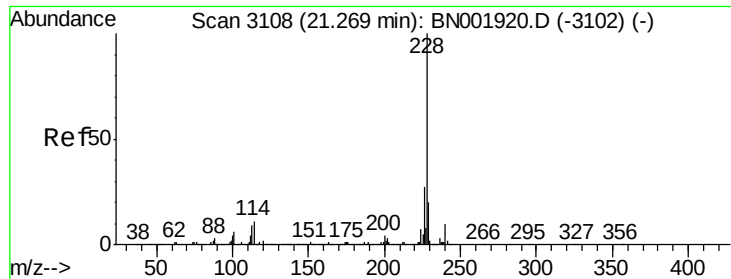


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 46.190 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

Instrument :

BNA_N

ClientSampleId :

X2D20

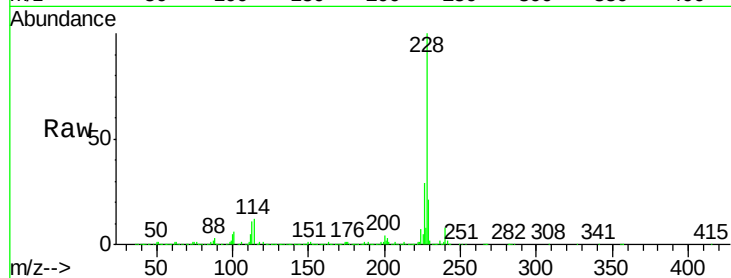
Tgt Ion:228 Resp:10056721

Ion Ratio Lower Upper

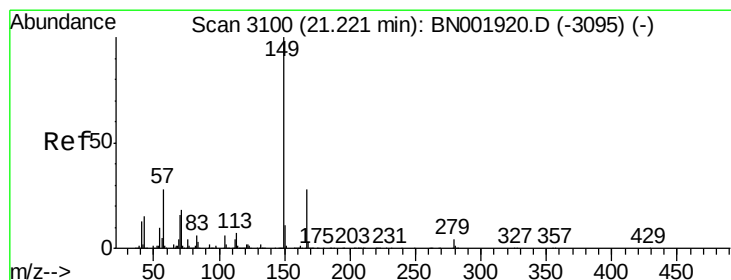
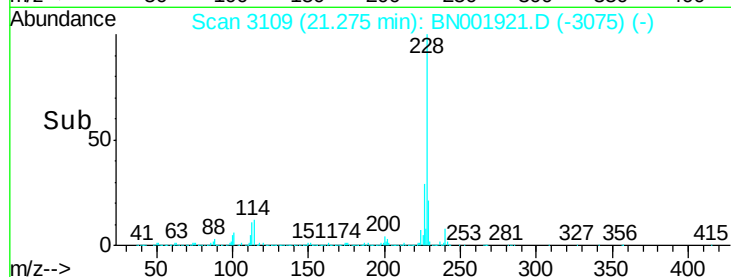
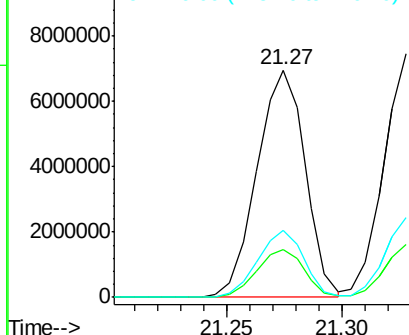
228 100

229 21.2 16.0 24.0

226 29.4 21.8 32.8



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 63.536 ng/ul

RT: 21.22 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

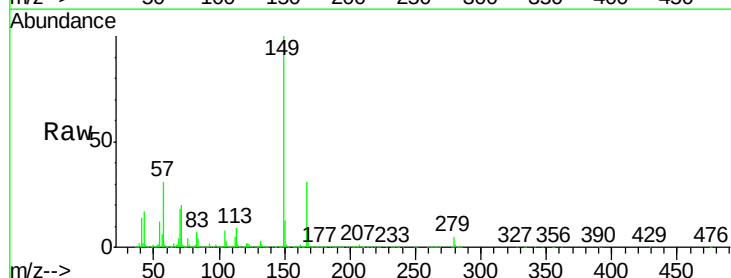
Tgt Ion:149 Resp: 8716194

Ion Ratio Lower Upper

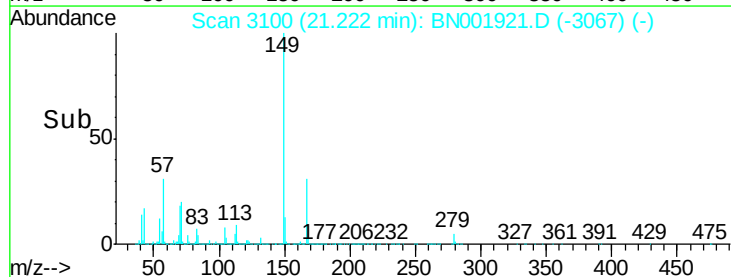
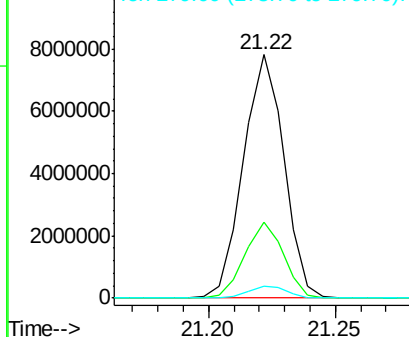
149 100

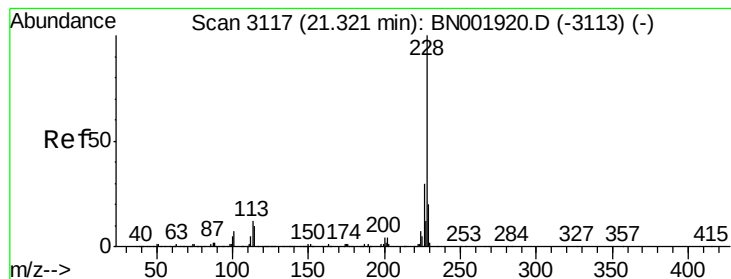
167 31.2 23.0 34.6

279 5.1 4.3 6.5



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





#82

Chrysene

Concen: 48.046 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

Instrument :

BNA_N

ClientSampleId :

X2D20

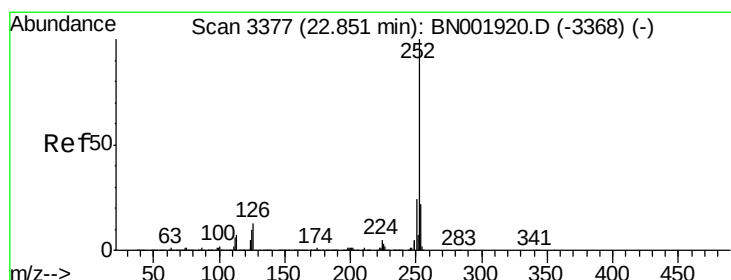
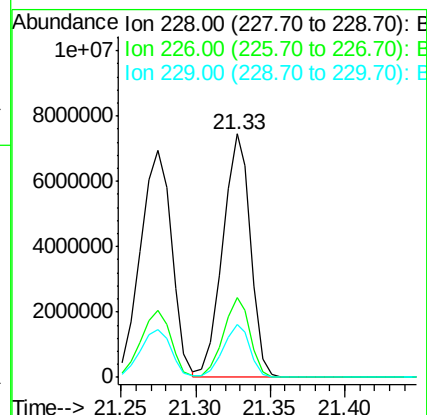
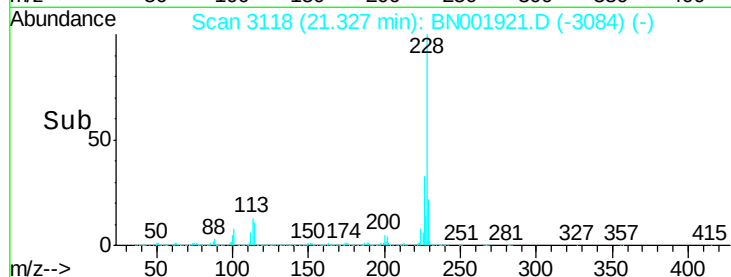
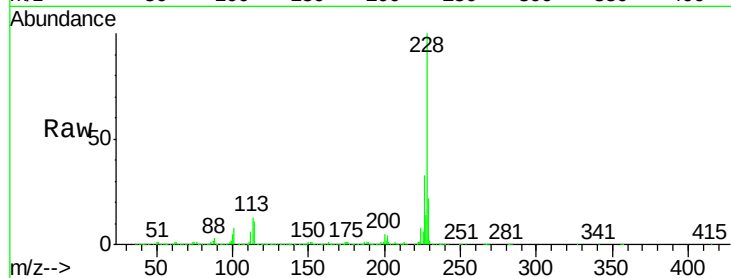
Tgt Ion:228 Resp: 9733322

Ion Ratio Lower Upper

228 100

226 33.0 24.1 36.1

229 21.9 16.0 24.0



#85

Benzo(b)fluoranthene

Concen: 49.400 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

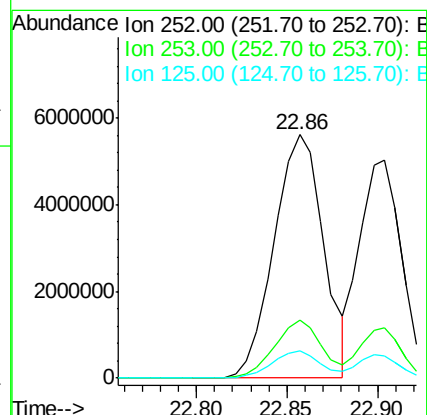
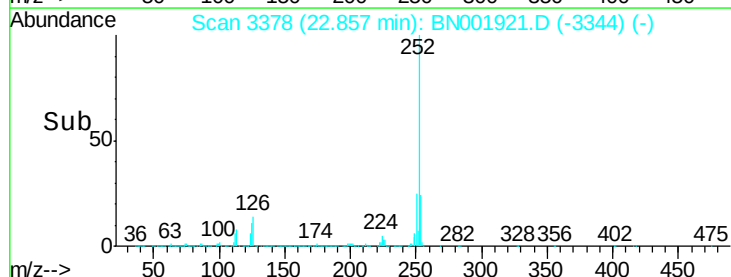
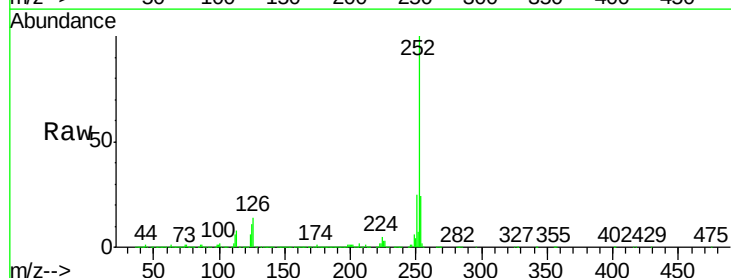
Tgt Ion:252 Resp:10743892

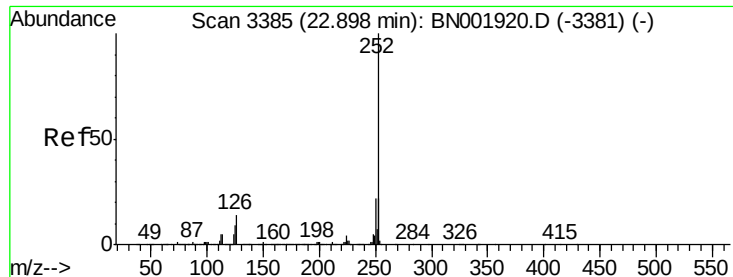
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 11.0 4.9 7.3#





#86

Benzo(k)fluoranthene

Concen: 38.373 ng/ul

RT: 22.90 min Scan# 3386

Delta R.T. 0.00 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

Instrument :

BNA_N

ClientSampleId :

X2D20

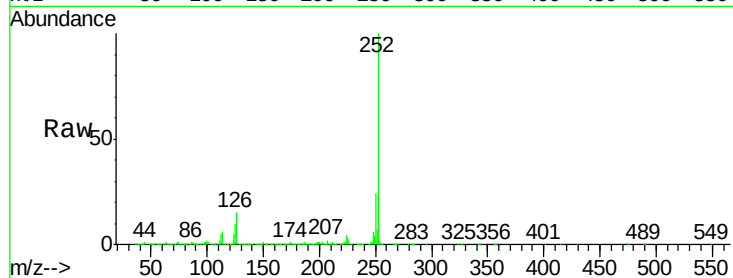
Tgt Ion:252 Resp: 8092956

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

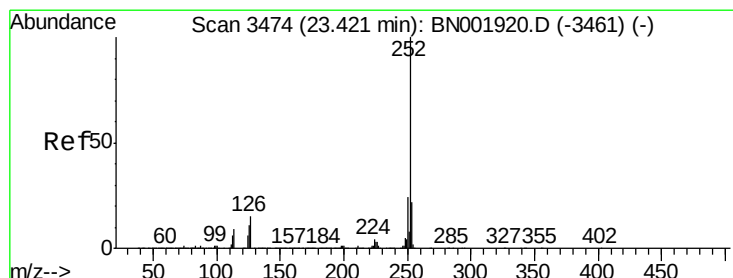
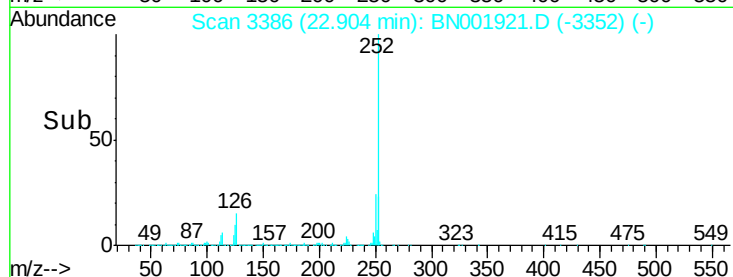
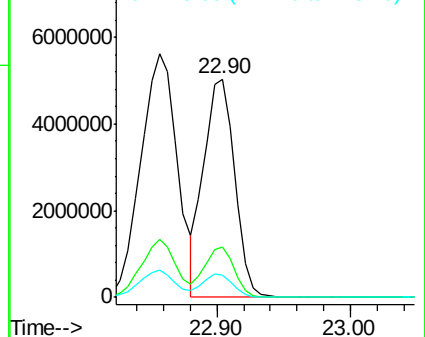
125 10.5 5.4 8.0#



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



#88

Benzo(a)pyrene

Concen: 44.934 ng/ul

RT: 23.43 min Scan# 3476

Delta R.T. 0.01 min

Lab File: BN001921.D

Acq: 29 Jun 2018 09:58

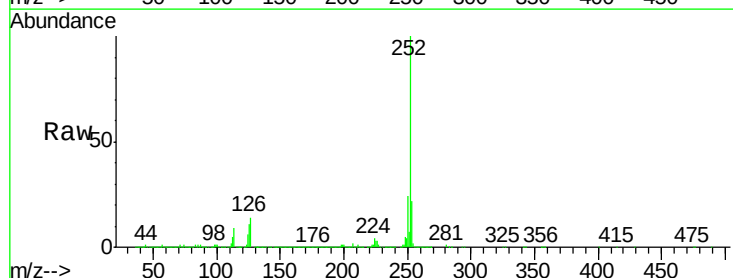
Tgt Ion:252 Resp: 9132275

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

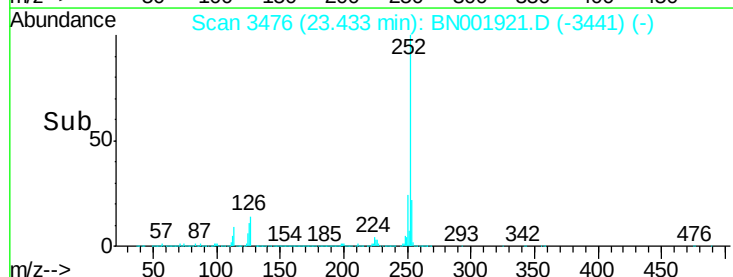
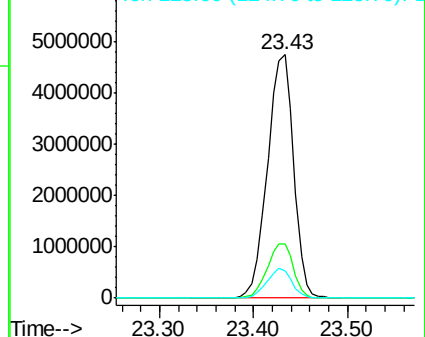
125 11.3 5.8 8.6#

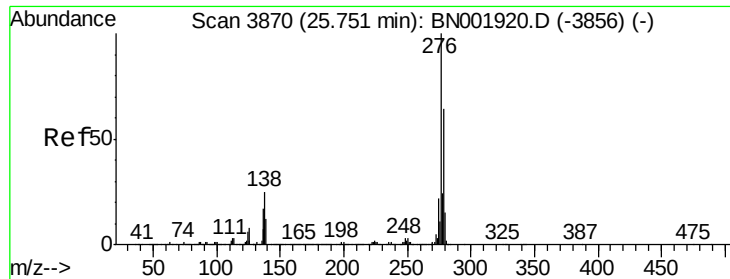


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



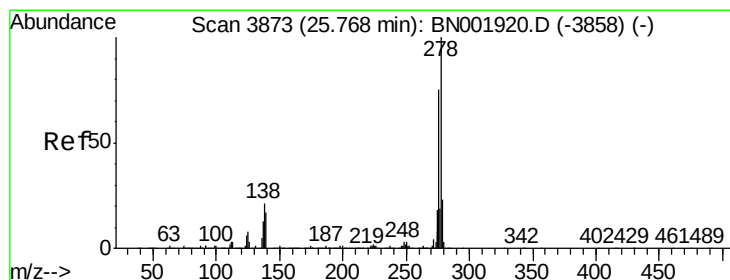
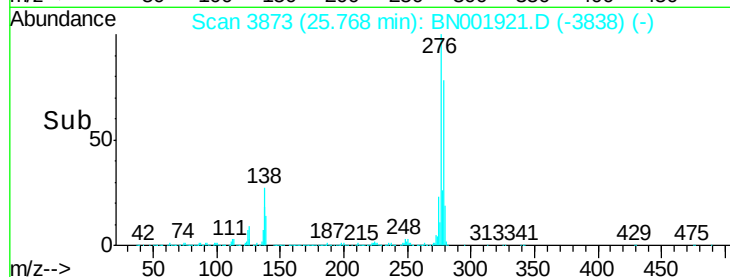
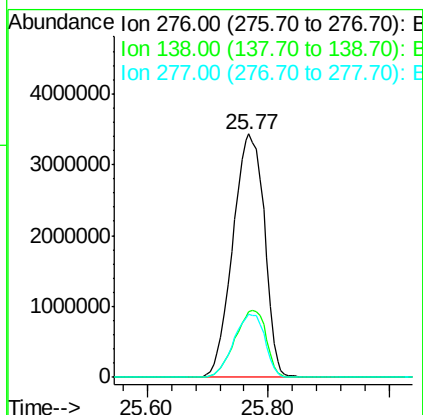
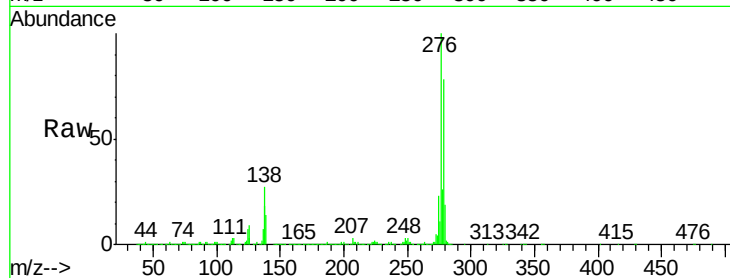


#89

Indeno(1,2,3-cd)pyrene
Concen: 57.605 ng/ul
RT: 25.77 min Scan# 3873
Delta R.T. 0.01 min
Lab File: BN001921.D
Acq: 29 Jun 2018 09:58

Instrument :
BNA_N
ClientSampleId :
X2D20

Tgt Ion:276 Resp:12457657
Ion Ratio Lower Upper
276 100
138 26.8 10.9 16.3#
277 25.8 18.9 28.3



#90

Dibenzo(a,h)anthracene
Concen: 62.601 ng/ul
RT: 25.79 min Scan# 3876
Delta R.T. 0.01 min
Lab File: BN001921.D
Acq: 29 Jun 2018 09:58

Tgt Ion:278 Resp:11267173
Ion Ratio Lower Upper
278 100
139 17.6 9.0 13.4#
279 24.4 19.1 28.7

