

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072018\
 Data File : BN002096.D
 Acq On : 20 Jul 2018 13:06
 Operator : JU/SJ
 Sample : J4039-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DB1J1

Quant Time: Jul 21 00:24:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 20 23:55:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	258184	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	1187203	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	712828	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1614206	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	1554278	20.00	ng/ul	0.00
85) Perylene-d12	23.52	264	1386678	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	30458	5.32	ng/uL	0.00
5) Phenol-d5	6.88	99	724780	29.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	448072	30.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	575536	29.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	604689	30.88	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	309355	31.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	352980	31.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	661955	32.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	775037	33.48	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	2007653	33.23	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	2460771	32.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	360480	31.23	ng/ul	0.00
57) Fluorene-d10	15.33	176	1710294	32.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	318127	30.26	ng/ul	0.00
70) Anthracene-d10	17.18	188	2642428	33.57	ng/ul	0.00
78) Pyrene-d10	19.48	212	2872455	35.55	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.37	264	2606999	34.82	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.91	94	1291327	52.888	ng/ul	94
10) 2-Chlorophenol	7.27	128	1021493	53.327	ng/ul#	90
12) 2,2'-oxybis(1-Chloropropan	8.22	45	684396	22.362	ng/ul#	86
17) Hexachloroethane	8.76	117	420903	55.591	ng/ul	99
27) 2,4-Dichlorophenol	10.13	162	1076264	55.689	ng/ul	98
28) Naphthalene	10.53	128	3284563	52.368	ng/ul	100
31) Hexachlorobutadiene	10.81	225	603131	52.660	ng/ul	98
36) 1,2,4,5-Tetrachlorobenzene	12.51	216	1664934	72.031	ng/ul	99
45) 2,6-Dinitrotoluene	13.92	165	754379	60.308	ng/ul	98
49) Acenaphthene	14.40	153	2842704	57.075	ng/ul	99
54) 2,4-Dinitrotoluene	14.71	165	951573	52.450	ng/ul	93
56) Diethylphthalate	15.16	149	3496901	58.188	ng/ul	99
58) Fluorene	15.39	166	3228553	57.466	ng/ul	99
66) Hexachlorobenzene	16.39	284	1173906	59.723	ng/ul	93
68) Pentachlorophenol	16.73	266	722849	64.651	ng/ul	99
71) Anthracene	17.22	178	4572480	49.526	ng/ul	99
79) Pyrene	19.52	202	6137244	61.535	ng/ul	100
80) Butylbenzylphthalate	20.42	149	2826563	59.667	ng/ul	95
82) Benzo(a)anthracene	21.27	228	4287539	43.308	ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.21	149	4031726	60.108	ng/ul#	97
84) Chrysene	21.32	228	4236669	45.917	ng/ul	99
87) Benzo(b)fluoranthene	22.85	252	4152620	48.656	ng/ul	99
88) Benzo(k)fluoranthene	22.90	252	3068359	37.843	ng/ul	99

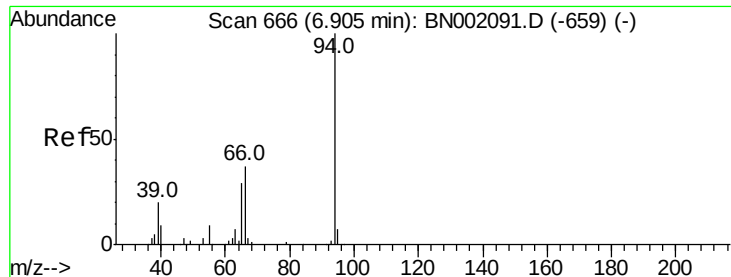
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072018\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 20 23:55:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	23.42	252	3415621	42.119	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.76	276	4449958	47.471	ng/ul	97
92) Dibenzo(a,h)anthracene	25.77	278	4139688	52.766	ng/ul	99

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



#6

Phenol

Concen: 52.888 ng/ul

RT: 6.91 min Scan# 667

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

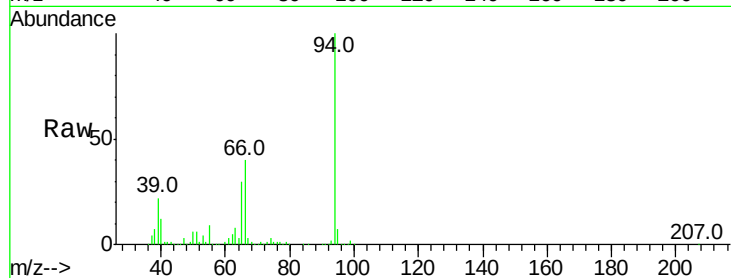
BNA_N

ClientSampleId :

DB1J1

Tot Ion: 94 Resp: 1291327

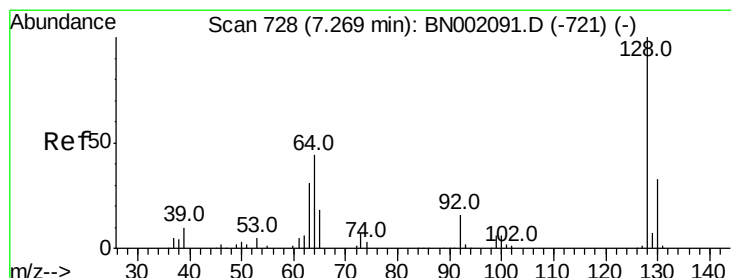
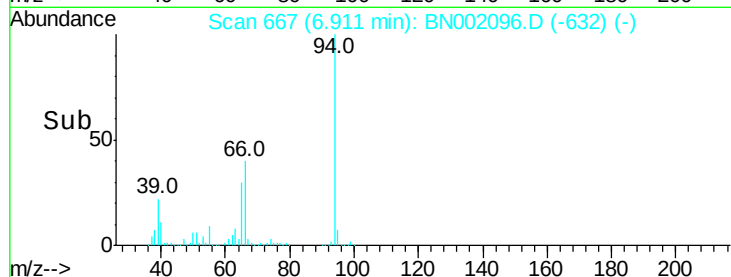
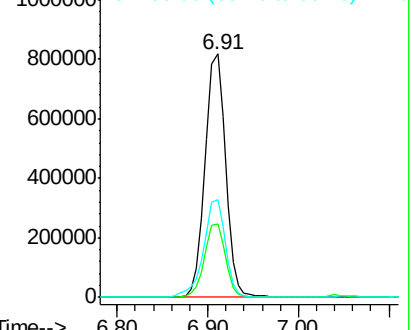
Ion	Ratio	Lower	Upper
94	100		
65	30.1	21.0	31.6
66	40.0	29.3	43.9



Abundance Ion 94.00 (93.70 to 94.70): BN002091.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BN002091.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BN002091.D (-659) (-)



#10

2-Chlorophenol

Concen: 53.327 ng/ul

RT: 7.27 min Scan# 728

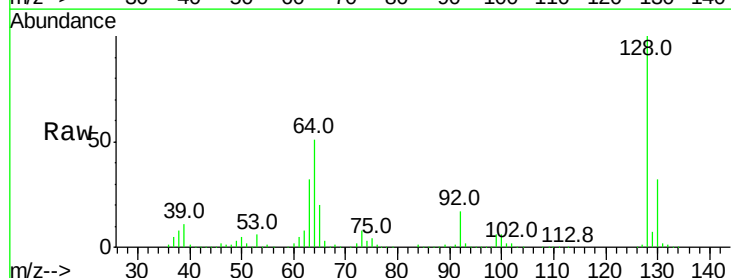
Delta R.T. -0.00 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Tgt Ion: 128 Resp: 1021493

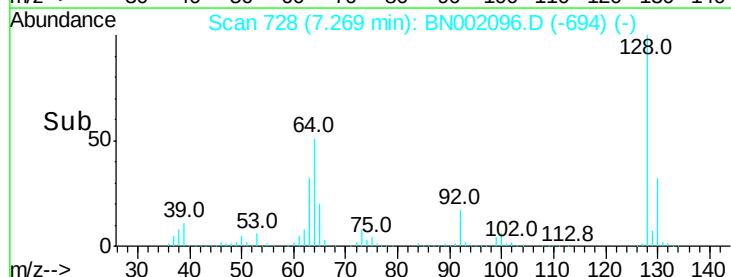
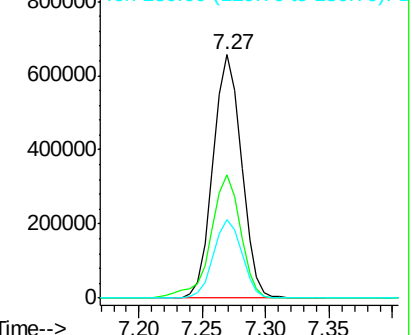
Ion	Ratio	Lower	Upper
128	100		
64	50.7	31.9	47.9#
130	32.1	25.6	38.4

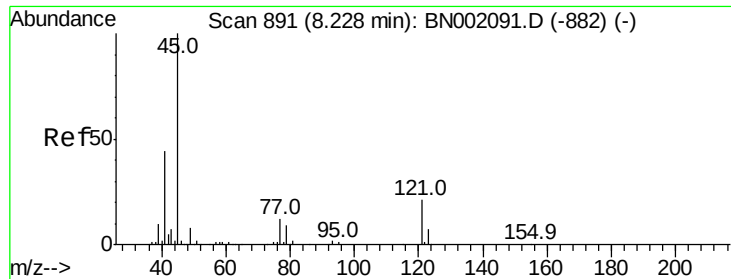


Abundance Ion 128.00 (127.70 to 128.70): BN002091.D (-721) (-)

Ion 64.00 (63.70 to 64.70): BN002091.D (-721) (-)

Ion 130.00 (129.70 to 130.70): BN002091.D (-721) (-)





#12

2,2'-oxybis(1-chloropropane)

Concen: 22.362 ng/ul

RT: 8.22 min Scan# 890

Delta R.T. -0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

BNA_N

ClientSampleId :

DB1J1

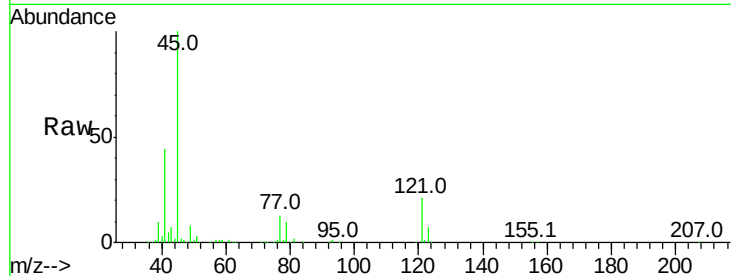
Tot Ion: 45 Resp: 684396

Ion Ratio Lower Upper

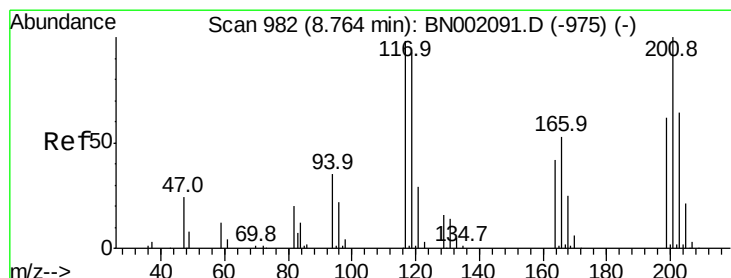
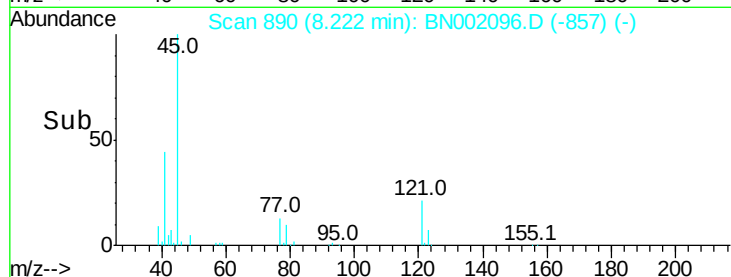
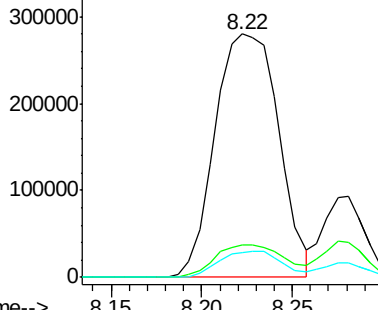
45 100

77 13.5 15.9 23.9#

79 9.9 12.5 18.7#



Abundance Ion 45.00 (44.70 to 45.70): BNC
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC



#17

Hexachloroethane

Concen: 55.591 ng/ul

RT: 8.76 min Scan# 982

Delta R.T. -0.00 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

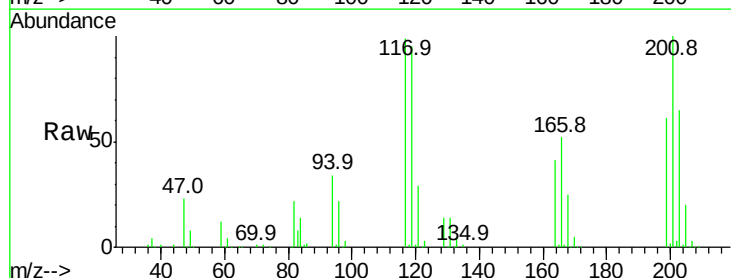
Tgt Ion: 117 Resp: 420903

Ion Ratio Lower Upper

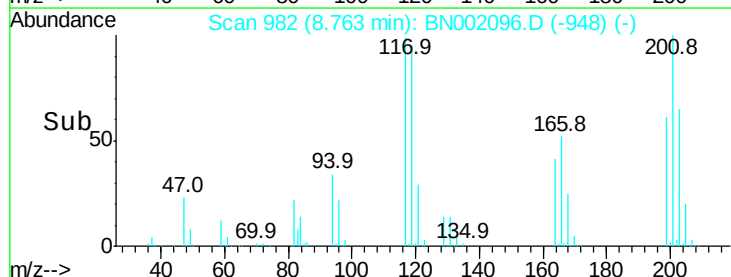
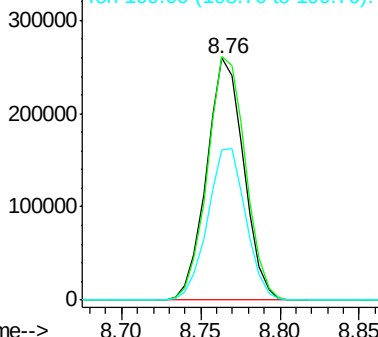
117 100

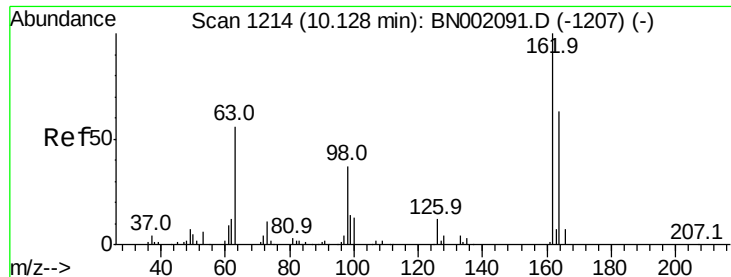
201 100.7 81.5 122.3

199 61.9 50.6 76.0



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





#27

2,4-Dichlorophenol

Concen: 55.689 ng/ul

RT: 10.13 min Scan# 1214

Delta R.T. -0.00 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

BNA_N

ClientSampleId :

DB1J1

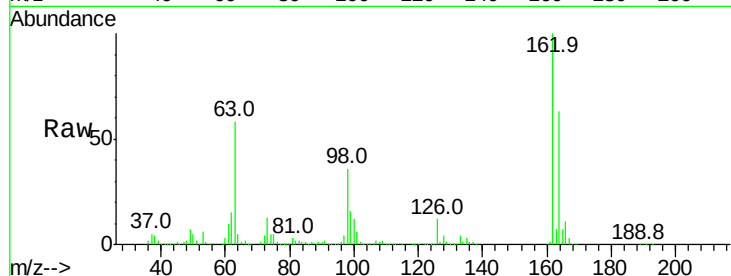
Tot Ion:162 Resp: 1076264

Ion Ratio Lower Upper

162 100

164 63.2 52.1 78.1

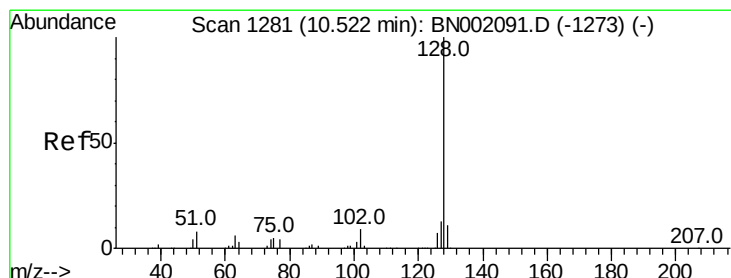
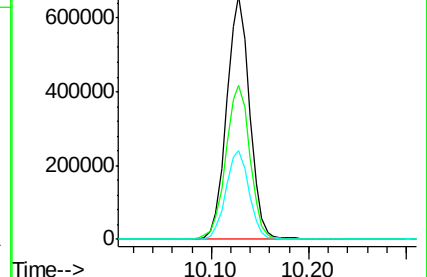
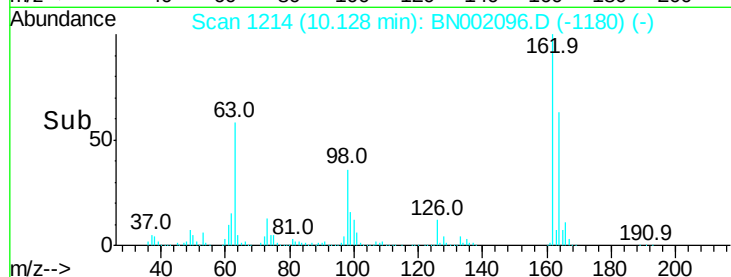
98 36.4 28.4 42.6



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: 52.368 ng/ul

RT: 10.53 min Scan# 1282

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

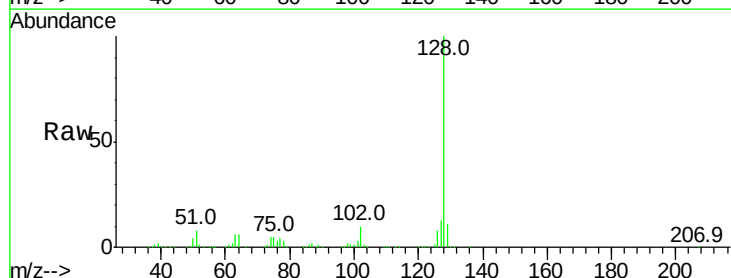
Tgt Ion:128 Resp: 3284563

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

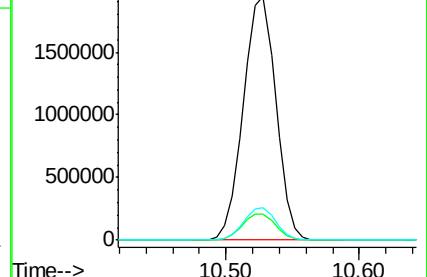
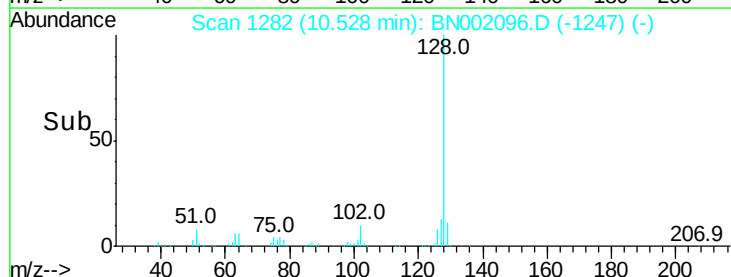
127 13.3 10.5 15.7

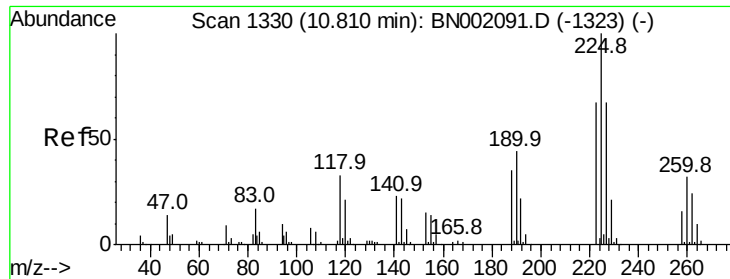


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#31

Hexachlorobutadiene

Concen: 52.660 ng/ul

RT: 10.81 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

BNA_N

ClientSampleId :

DB1J1

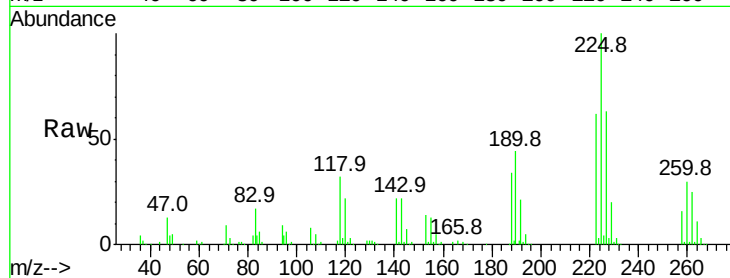
Tot Ion:225 Resp: 603131

Ion Ratio Lower Upper

225 100

223 62.0 51.4 77.2

227 63.4 50.7 76.1

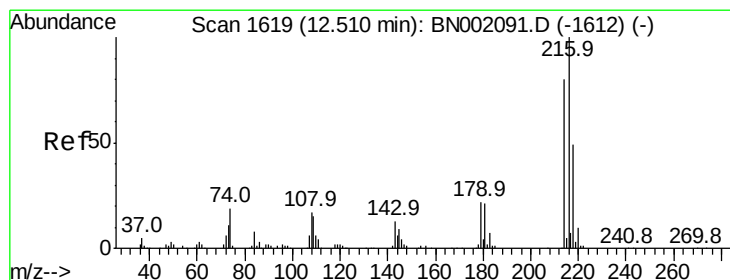
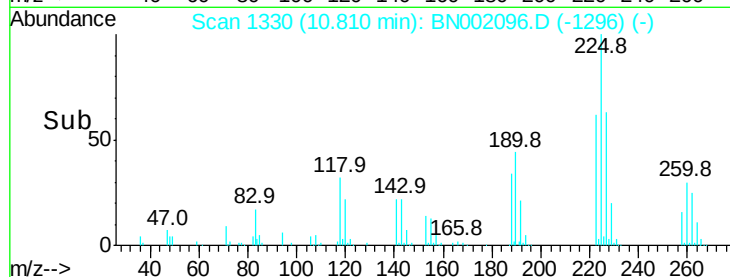
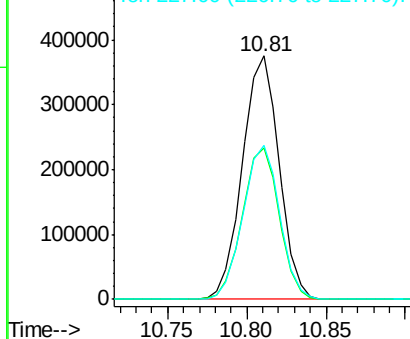


Abundance

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: 72.031 ng/ul

RT: 12.51 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Tgt Ion:216 Resp: 1664934

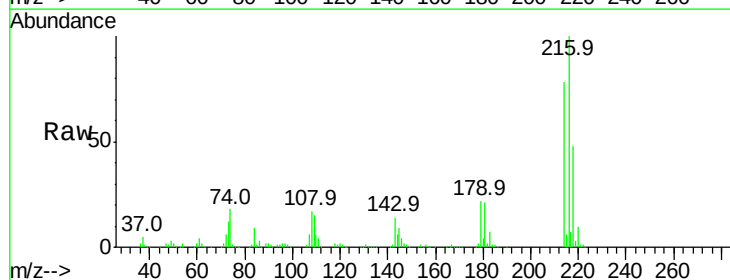
Ion Ratio Lower Upper

216 100

214 78.5 62.5 93.7

179 21.8 18.2 27.2

108 17.3 14.2 21.2



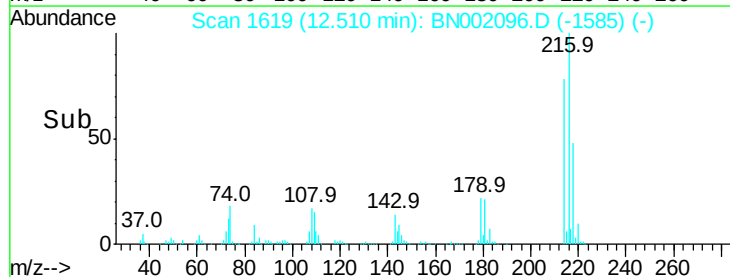
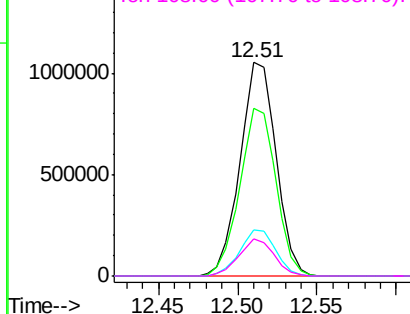
Abundance

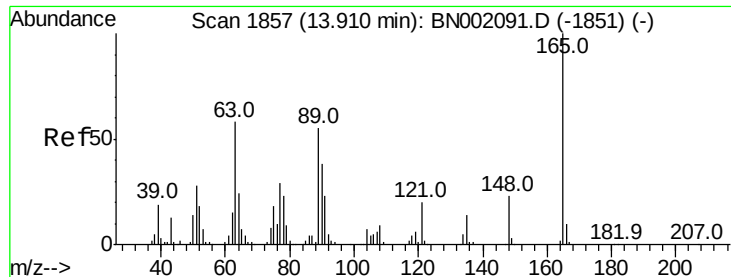
Ion 216.00 (215.70 to 216.70): E

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: 60.308 ng/ul

RT: 13.92 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

BNA_N

ClientSampleId :

DB1J1

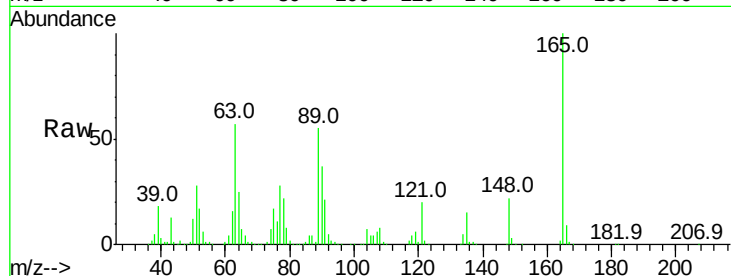
Tot Ion:165 Resp: 754379

Ion Ratio Lower Upper

165 100

89 54.8 42.4 63.6

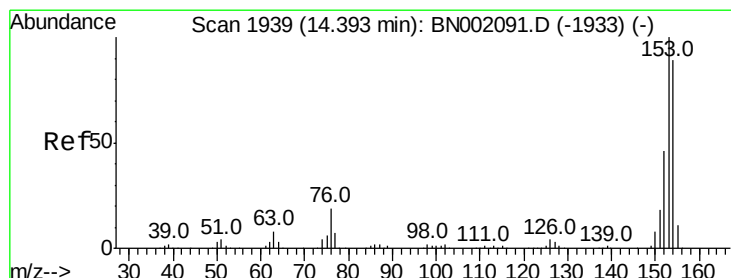
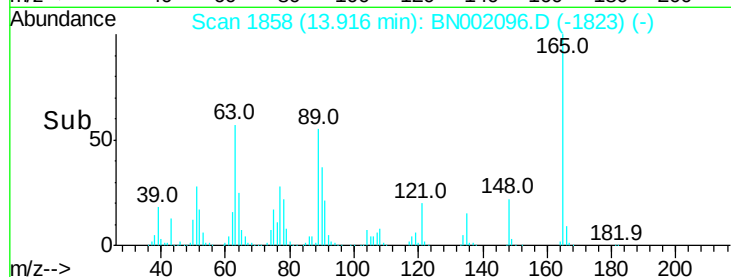
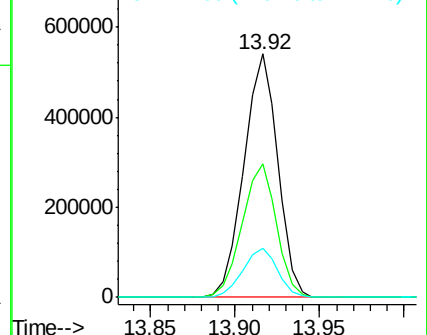
121 20.2 16.6 24.8



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: 57.075 ng/ul

RT: 14.40 min Scan# 1940

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

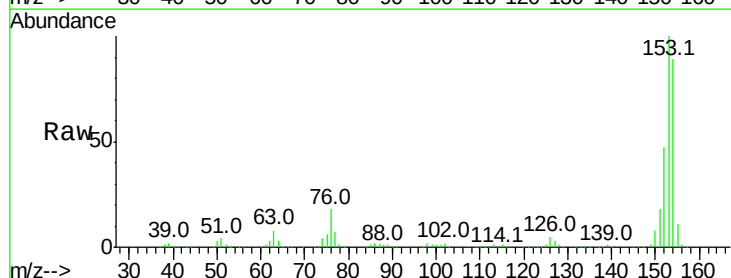
Tgt Ion:153 Resp: 2842704

Ion Ratio Lower Upper

153 100

152 46.9 38.3 57.5

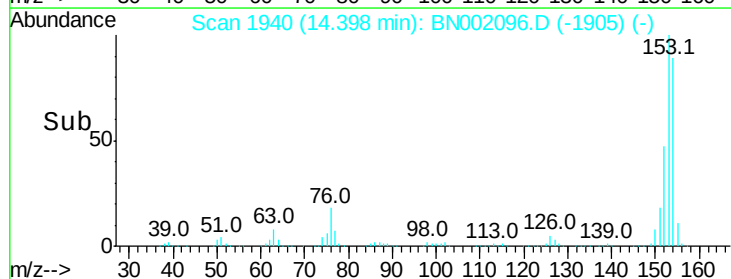
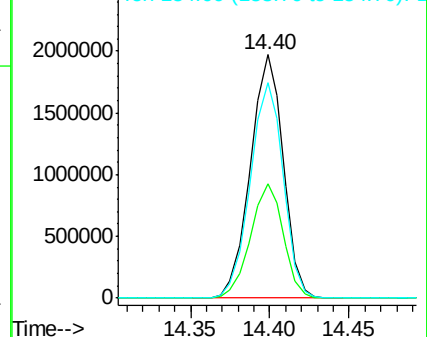
154 88.6 71.8 107.8

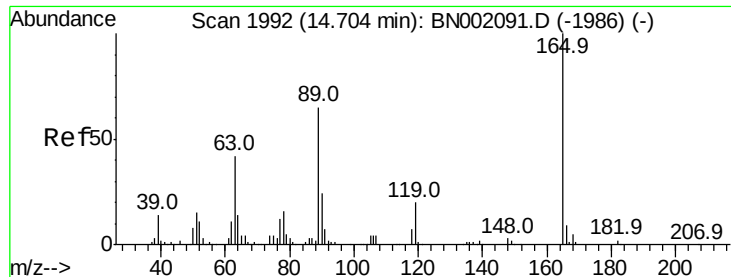


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

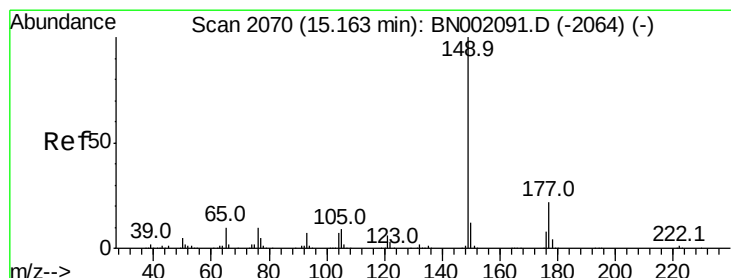
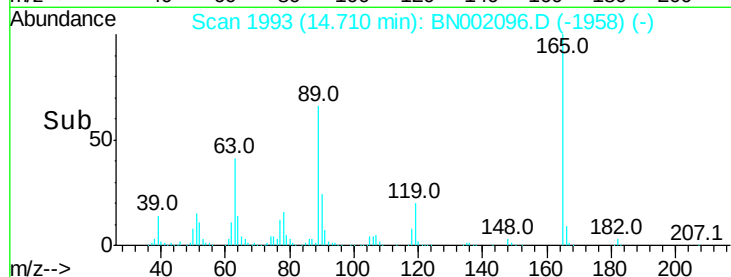
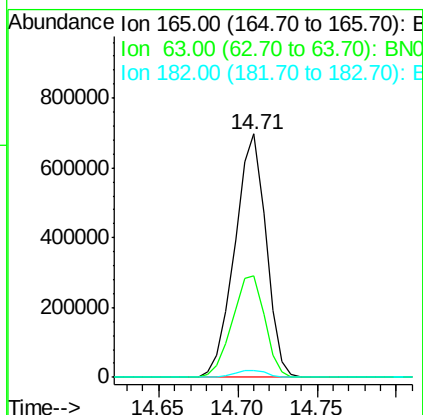
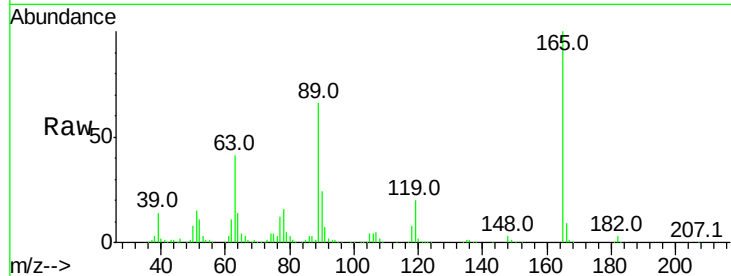




#54
 2,4-Dinitrotoluene
 Concen: 52.450 ng/ul
 RT: 14.71 min Scan# 1993
 Delta R.T. 0.01 min
 Lab File: BN002096.D
 Acq: 20 Jul 2018 13:06

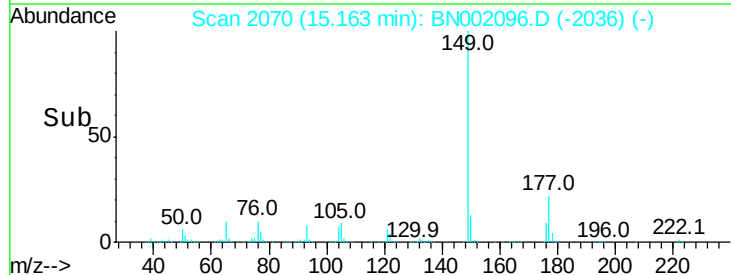
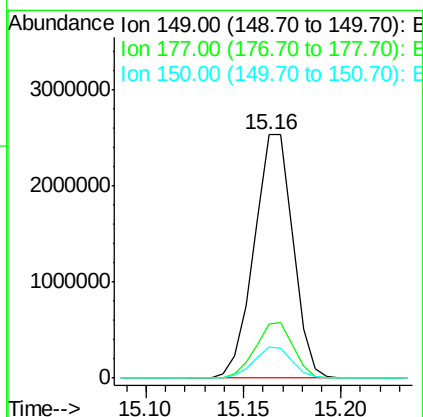
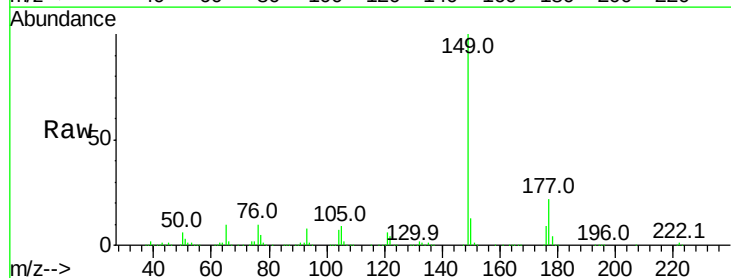
Instrument :
 BNA_N
 ClientSampleId :
 DB1J1

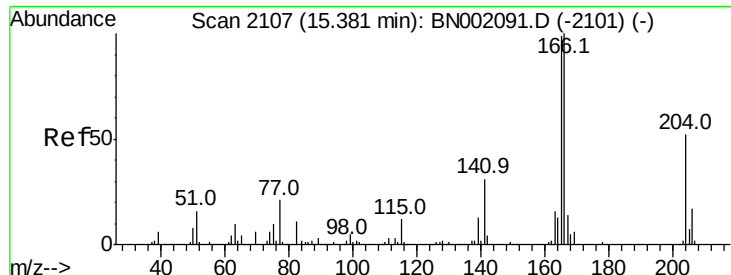
Tot Ion:165 Resp: 951573
 Ion Ratio Lower Upper
 165 100
 63 41.5 29.8 44.6
 182 2.9 2.2 3.4



#56
 Diethylphthalate
 Concen: 58.188 ng/ul
 RT: 15.16 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: BN002096.D
 Acq: 20 Jul 2018 13:06

Tgt Ion:149 Resp: 3496901
 Ion Ratio Lower Upper
 149 100
 177 22.2 17.4 26.2
 150 12.7 10.0 15.0





#58

Fluorene

Concen: 57.466 ng/ul

RT: 15.39 min Scan# 2108

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

BNA_N

ClientSampleId :

DB1J1

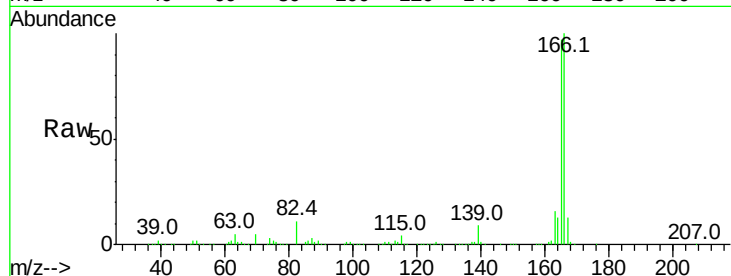
Tot Ion:166 Resp: 3228553

Ion Ratio Lower Upper

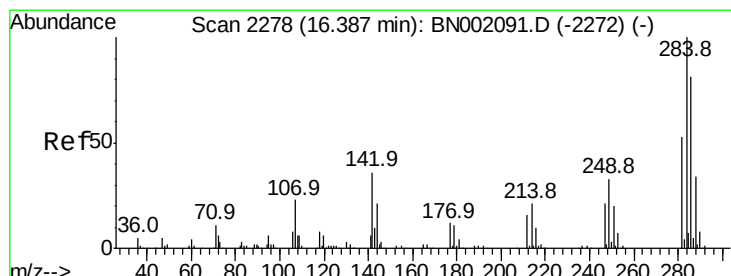
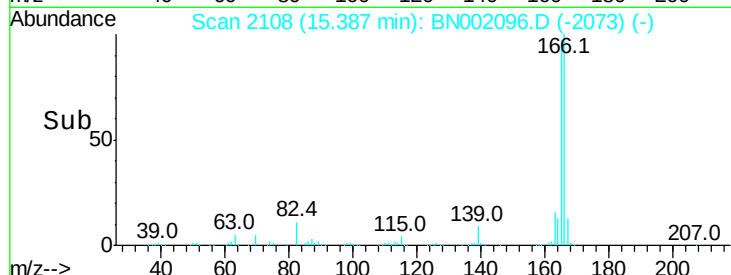
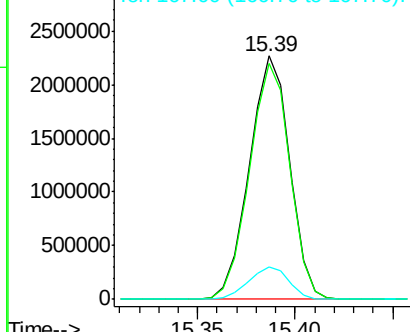
166 100

165 97.2 78.5 117.7

167 13.4 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



#66

Hexachlorobenzene

Concen: 59.723 ng/ul

RT: 16.39 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

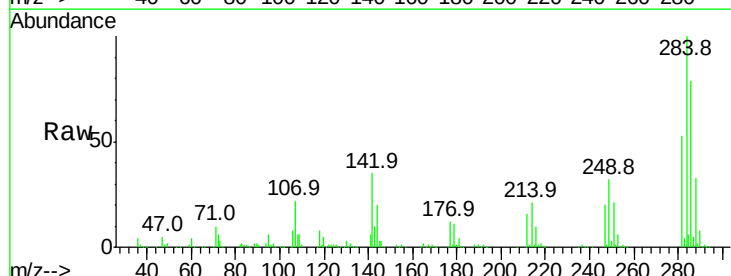
Tgt Ion:284 Resp: 1173906

Ion Ratio Lower Upper

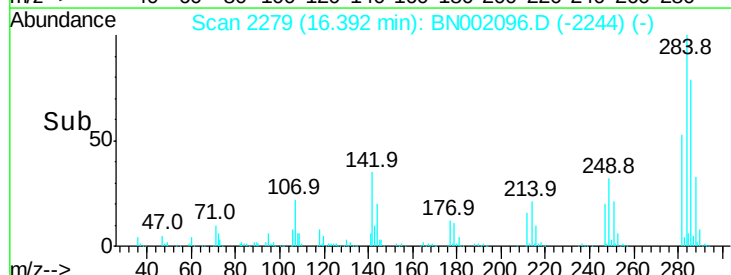
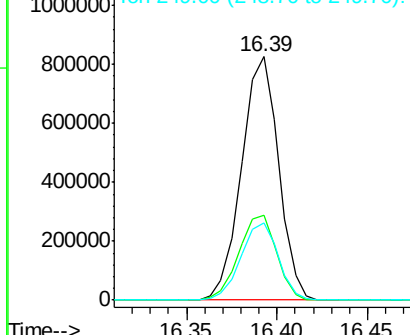
284 100

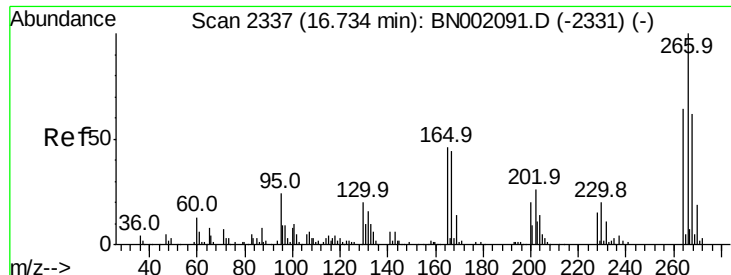
142 35.0 33.1 49.7

249 31.8 27.1 40.7



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

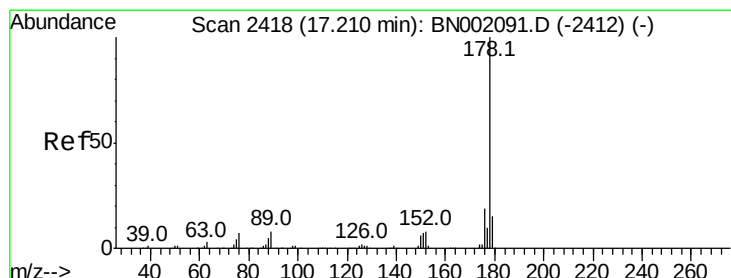
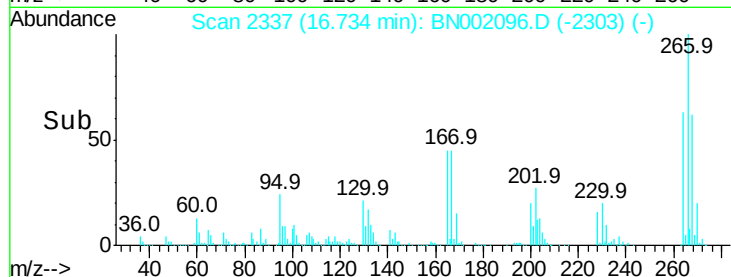
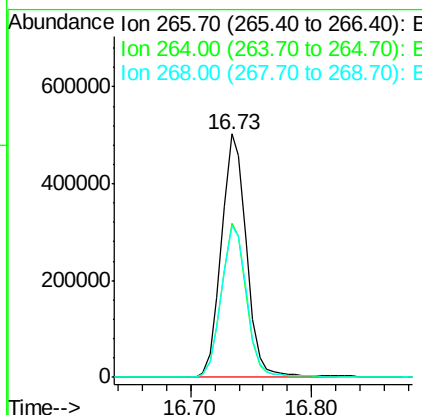
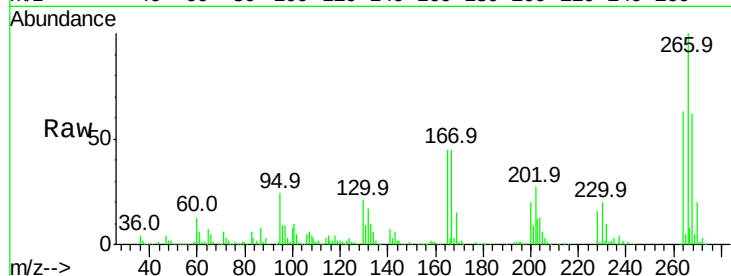




#68
 Pentachlorophenol
 Concen: 64.651 ng/ul
 RT: 16.73 min Scan# 2337
 Delta R.T. -0.00 min
 Lab File: BN002096.D
 Acq: 20 Jul 2018 13:06

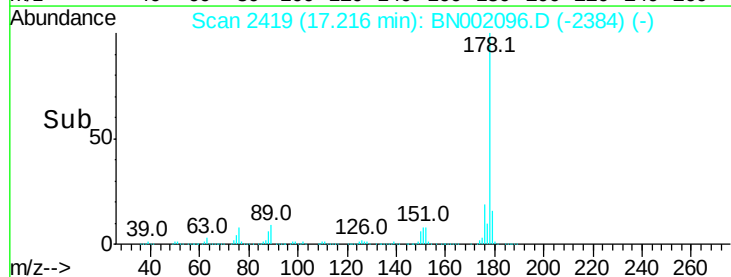
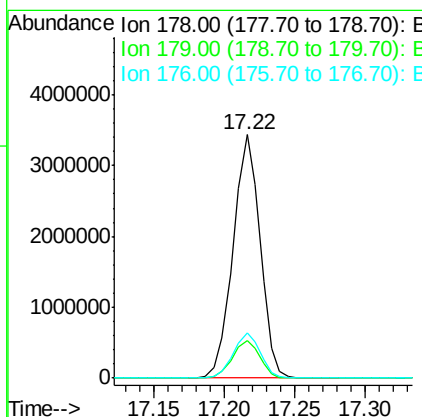
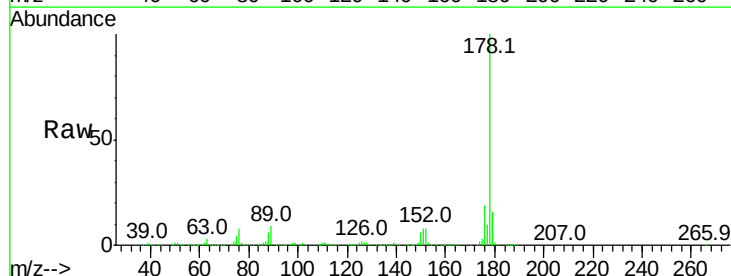
Instrument :
 BNA_N
 ClientSampleId :
 DB1J1

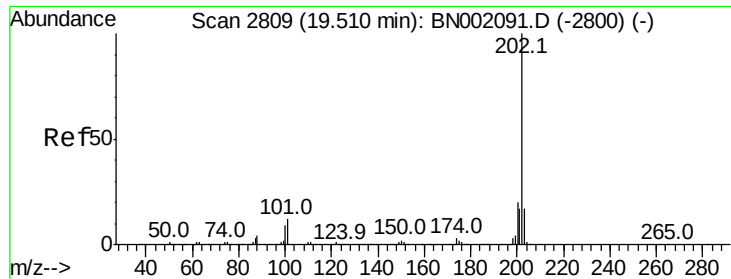
Tot Ion:266 Resp: 722849
 Ion Ratio Lower Upper
 266 100
 264 63.0 50.5 75.7
 268 62.4 50.9 76.3



#71
 Anthracene
 Concen: 49.526 ng/ul
 RT: 17.22 min Scan# 2419
 Delta R.T. 0.01 min
 Lab File: BN002096.D
 Acq: 20 Jul 2018 13:06

Tgt Ion:178 Resp: 4572480
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.1 18.1
 176 18.6 14.8 22.2





#79

Pvrene

Concen: 61.535 ng/ul

RT: 19.52 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

BNA_N

ClientSampleId :

DB1J1

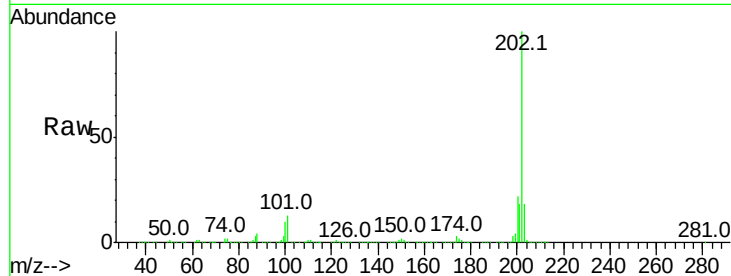
Tot Ion:202 Resp: 6137244

Ion Ratio Lower Upper

202 100

101 12.7 10.2 15.2

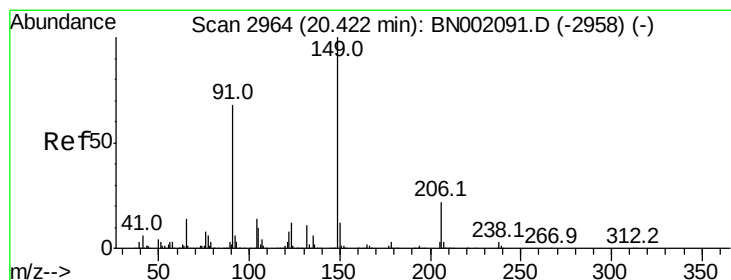
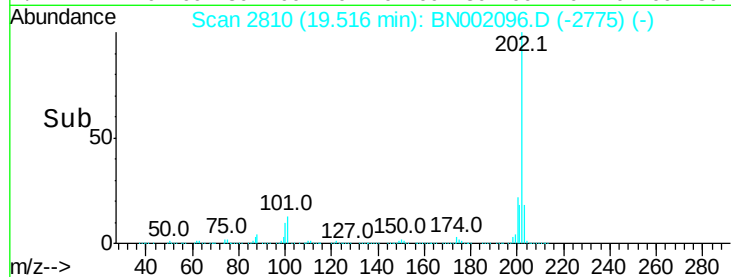
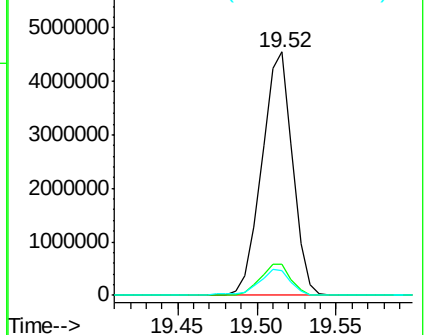
100 10.4 8.5 12.7



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

Butylbenzylphthalate

Concen: 59.667 ng/ul

RT: 20.42 min Scan# 2964

Delta R.T. -0.00 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

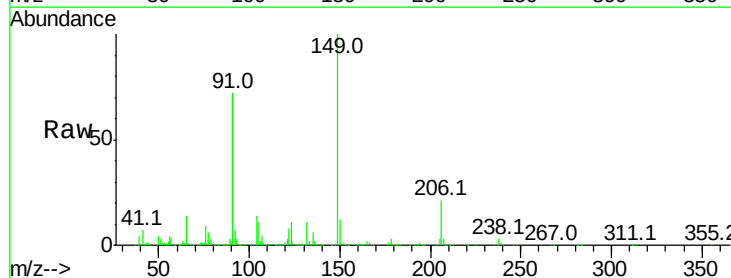
Tgt Ion:149 Resp: 2826563

Ion Ratio Lower Upper

149 100

91 71.7 53.4 80.2

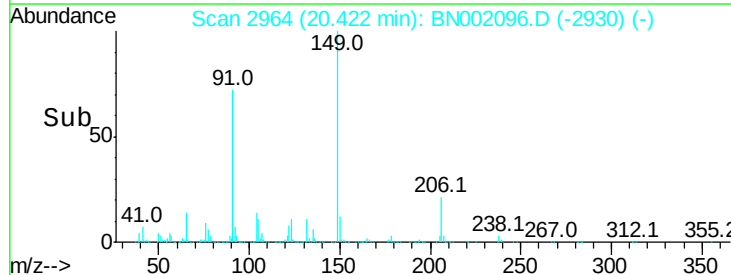
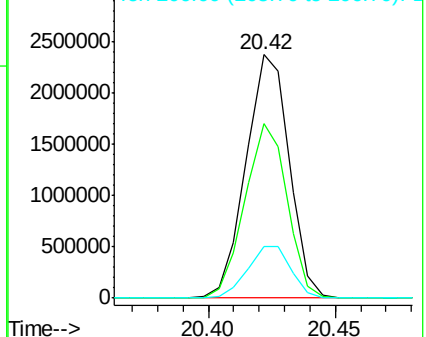
206 21.0 16.6 24.8

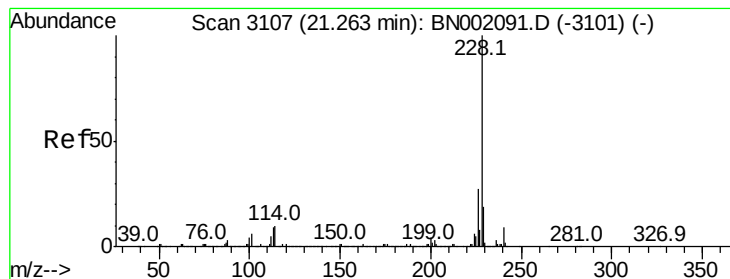


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 43.308 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

BNA_N

ClientSampleId :

DB1J1

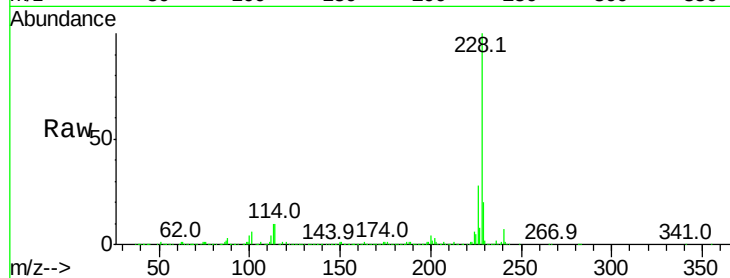
Tot Ion:228 Resp: 4287539

Ion Ratio Lower Upper

228 100

229 20.0 15.7 23.5

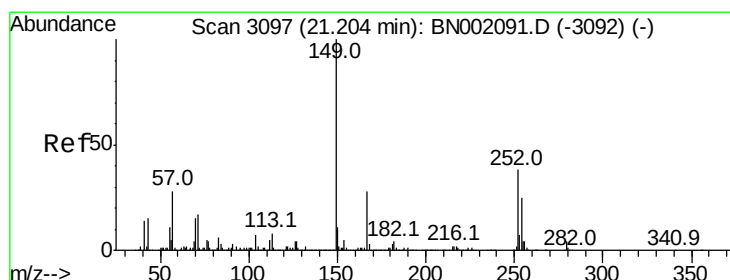
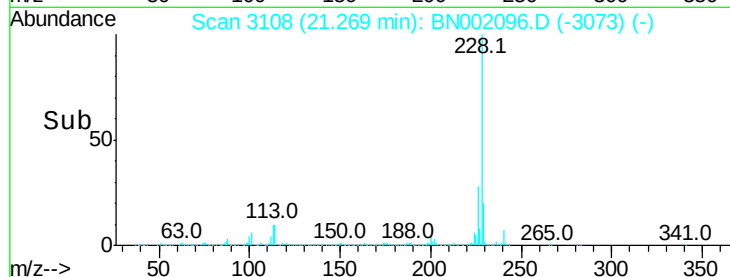
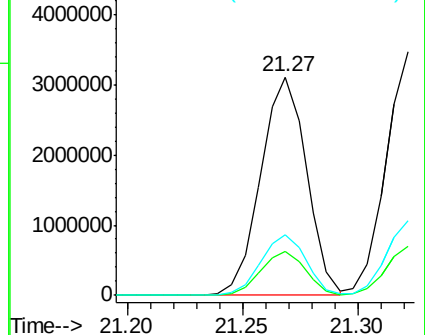
226 27.8 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 60.108 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

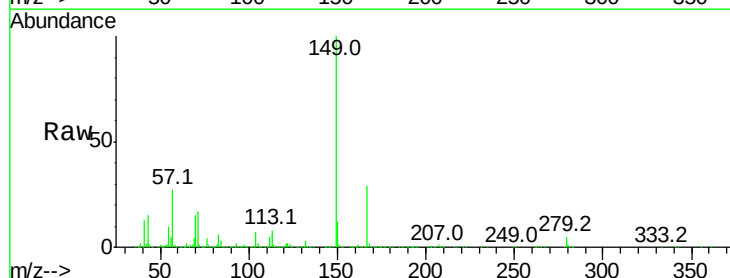
Tgt Ion:149 Resp: 4031726

Ion Ratio Lower Upper

149 100

167 28.6 21.6 32.4

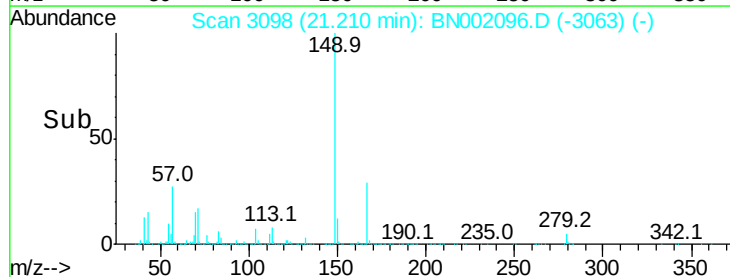
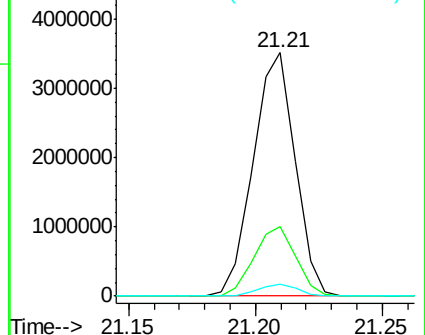
279 4.9 3.0 4.4#

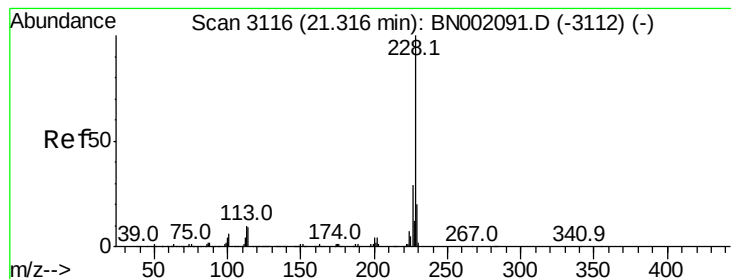


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 45.917 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

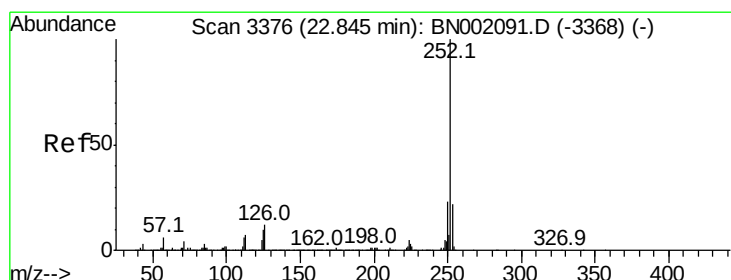
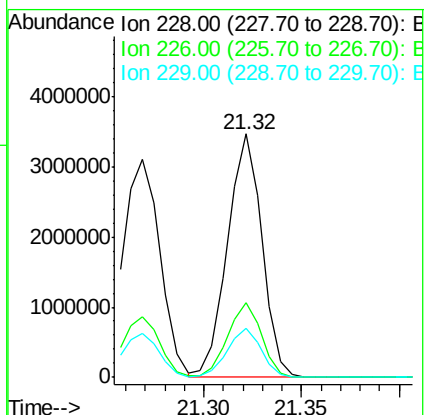
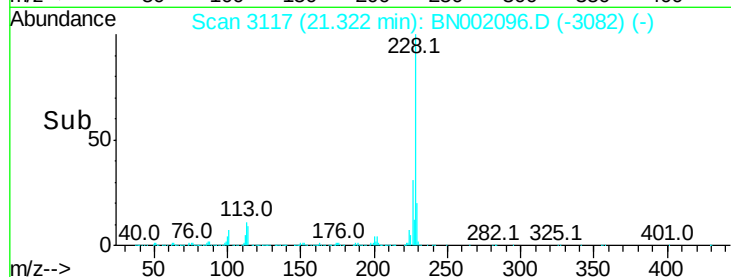
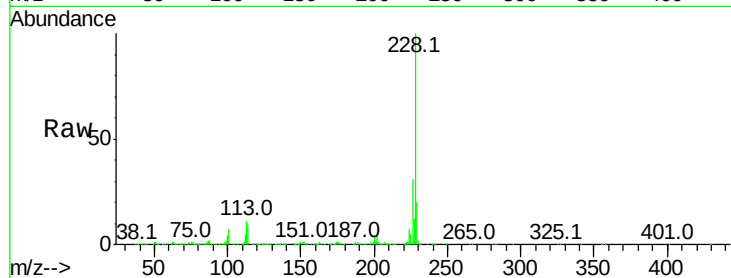
BNA_N

ClientSampleId :

DB1J1

Tot Ion:228 Resp: 4236669

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	20.0	15.6	23.4



#87

Benzo(b)fluoranthene

Concen: 48.656 ng/ul

RT: 22.85 min Scan# 3377

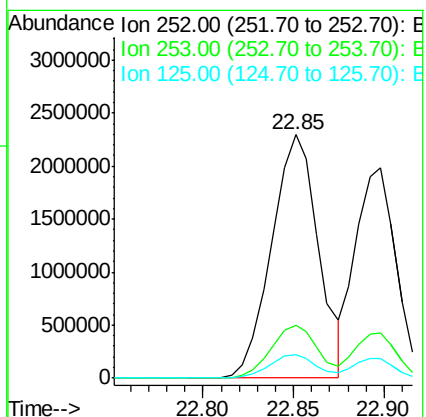
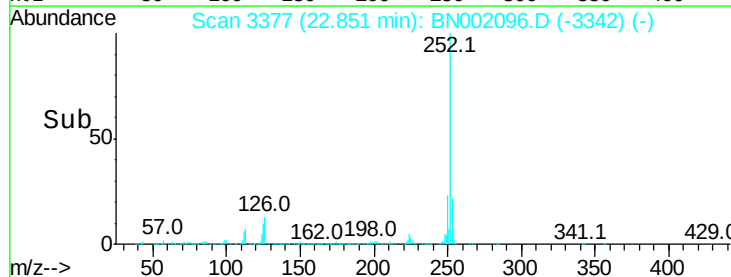
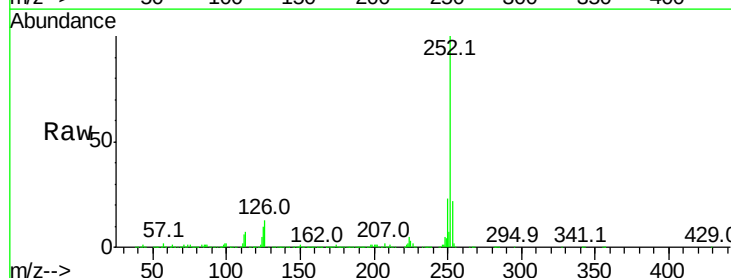
Delta R.T. 0.01 min

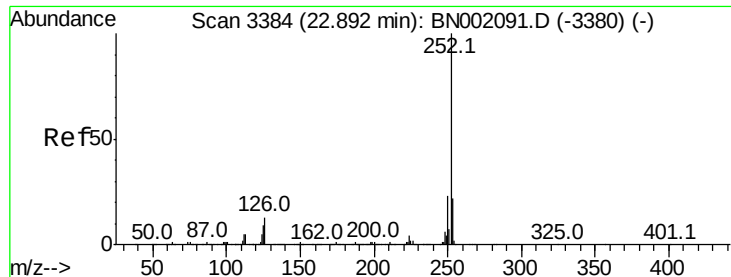
Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Tgt Ion:252 Resp: 4152620

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.7	8.5	12.7





#88

Benzo(k)fluoranthene

Concen: 37.843 ng/ul

RT: 22.90 min Scan# 3385

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

Instrument :

BNA_N

ClientSampleId :

DB1J1

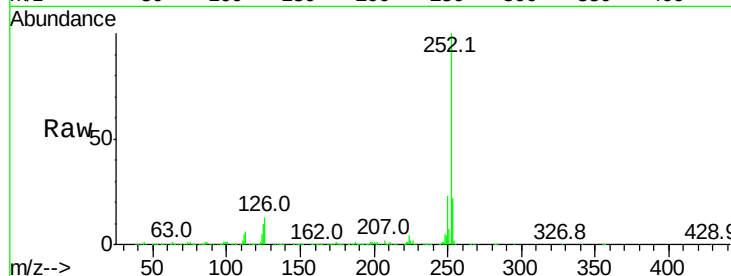
Tot Ion:252 Resp: 3068359

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

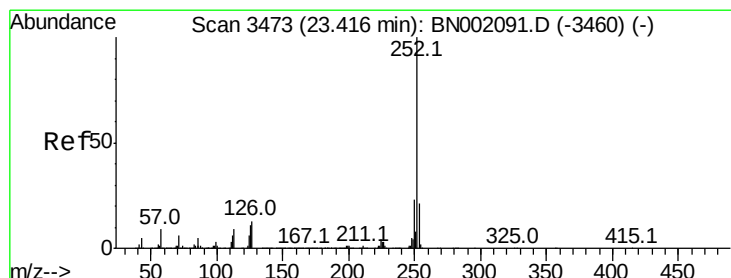
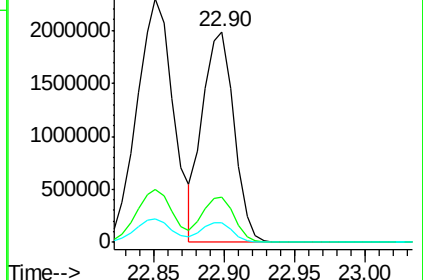
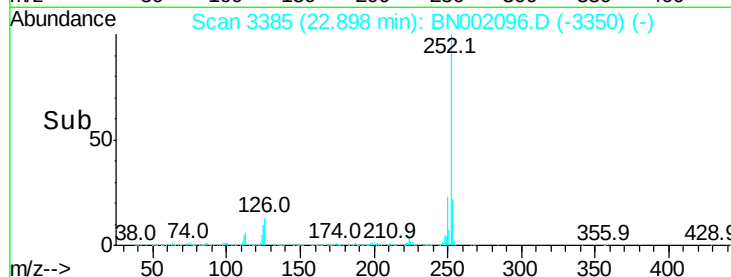
125 9.5 8.2 12.2



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



#90

Benzo(a)pyrene

Concen: 42.119 ng/ul

RT: 23.42 min Scan# 3474

Delta R.T. 0.01 min

Lab File: BN002096.D

Acq: 20 Jul 2018 13:06

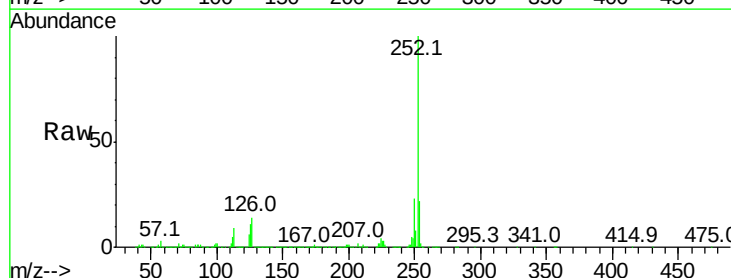
Tgt Ion:252 Resp: 3415621

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

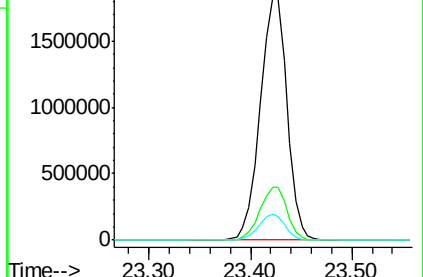
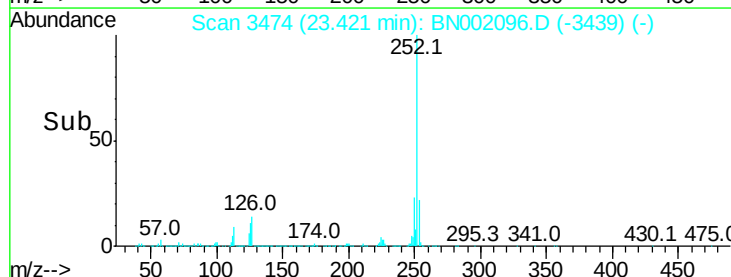
125 10.8 9.0 13.6

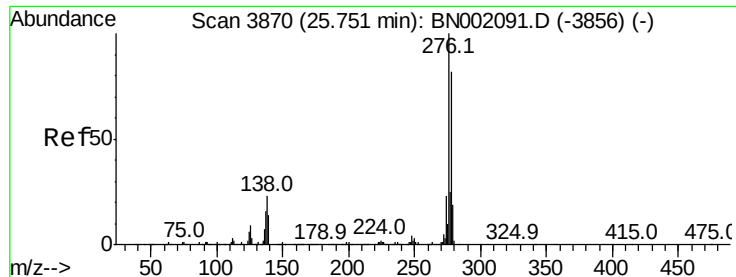


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



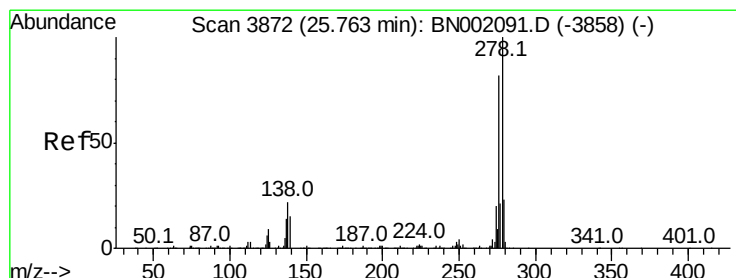
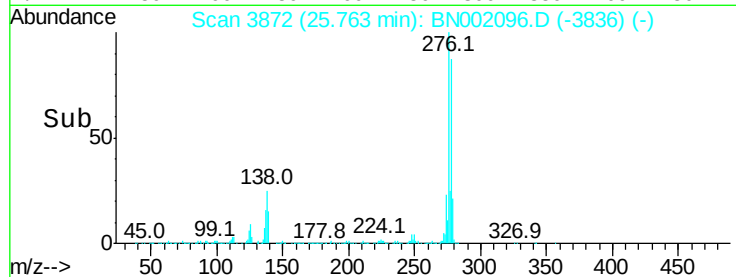
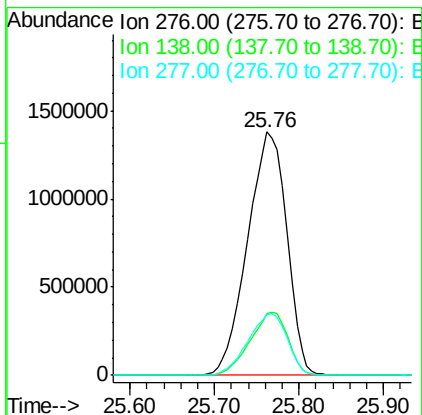
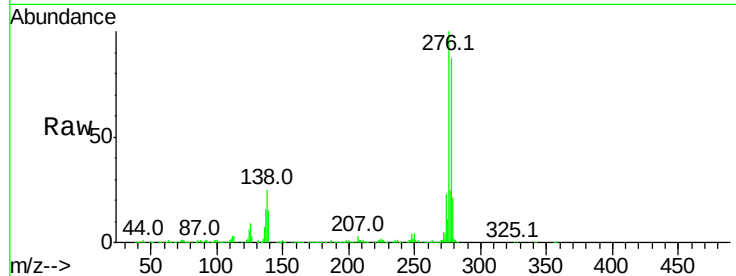


#91

Indeno(1,2,3-cd)pyrene
Concen: 47.471 ng/ul
RT: 25.76 min Scan# 3872
Delta R.T. 0.01 min
Lab File: BN002096.D
Acq: 20 Jul 2018 13:06

Instrument :
BNA_N
ClientSampleId :
DB1J1

Tot Ion:276 Resp: 4449958
Ion Ratio Lower Upper
276 100
138 25.4 22.3 33.5
277 24.9 20.2 30.2



#92

Dibenzo(a,h)anthracene
Concen: 52.766 ng/ul
RT: 25.77 min Scan# 3874
Delta R.T. 0.01 min
Lab File: BN002096.D
Acq: 20 Jul 2018 13:06

Tgt Ion:278 Resp: 4139688
Ion Ratio Lower Upper
278 100
139 16.2 13.9 20.9
279 23.7 19.0 28.4

