

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062018\
 Data File : BN001879.D
 Acq On : 20 Jun 2018 10:18
 Operator : JU/SJ
 Sample : J3527-24
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAXN3

Quant Time: Jun 20 11:54:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 19 14:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	512415	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	2334405	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	1388392	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3168625	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2813422	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	2364831	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	73037	6.19	ng/uL	0.00
5) Phenol-d5	6.89	99	1627569	35.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	1003854	35.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1273316	34.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	1341371	36.11	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	636082	36.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	698936	38.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	1385438	36.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1936253	48.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	4396384	37.50	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	5265960	36.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	646895	29.95	ng/ul	0.00
57) Fluorene-d10	15.34	176	3720922	36.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	599749	34.75	ng/ul	0.00
70) Anthracene-d10	17.19	188	5853741	38.24	ng/ul	0.00
76) Pyrene-d10	19.49	212	6235108	43.97	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	5147499	40.03	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.92	94	873109	18.670	ng/ul	98
10) 2-Chlorophenol	7.28	128	676639	18.182	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.25	45	1490446	26.210	ng/ul	95
17) Hexachloroethane	8.79	117	268200	18.278	ng/ul	87
27) 2,4-Dichlorophenol	10.14	162	720805	19.370	ng/ul	97
28) Naphthalene	10.54	128	2314832	18.687	ng/ul	99
31) Hexachlorobutadiene	10.83	225	625061	27.507	ng/ul	98
45) 2,6-Dinitrotoluene	13.92	165	644474	29.620	ng/ul	99
49) Acenaphthene	14.41	153	1873457	19.331	ng/ul	99
54) 2,4-Dinitrotoluene	14.71	165	963159	29.773	ng/ul	96
56) Diethylphthalate	15.18	149	2923641	25.036	ng/ul	97
58) Fluorene	15.40	166	2227672	20.082	ng/ul	99
66) Hexachlorobenzene	16.40	284	946529	24.417	ng/ul#	92
68) Pentachlorophenol	16.75	266	811562	37.858	ng/ul	98
71) Anthracene	17.22	178	3189986	17.656	ng/ul	98
77) Pyrene	19.52	202	4266837	24.235	ng/ul#	86
78) Butylbenzylphthalate	20.44	149	3464829	46.118	ng/ul	96
80) Benzo(a)anthracene	21.27	228	3600488	20.249	ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.23	149	3931238	35.090	ng/ul	99
82) Chrysene	21.33	228	3601736	21.771	ng/ul	100
85) Benzo(b)fluoranthene	22.86	252	5221450	34.958	ng/ul#	96
86) Benzo(k)fluoranthene	22.90	252	3019795	20.850	ng/ul#	96
88) Benzo(a)pyrene	23.43	252	2743263	19.654	ng/ul#	96

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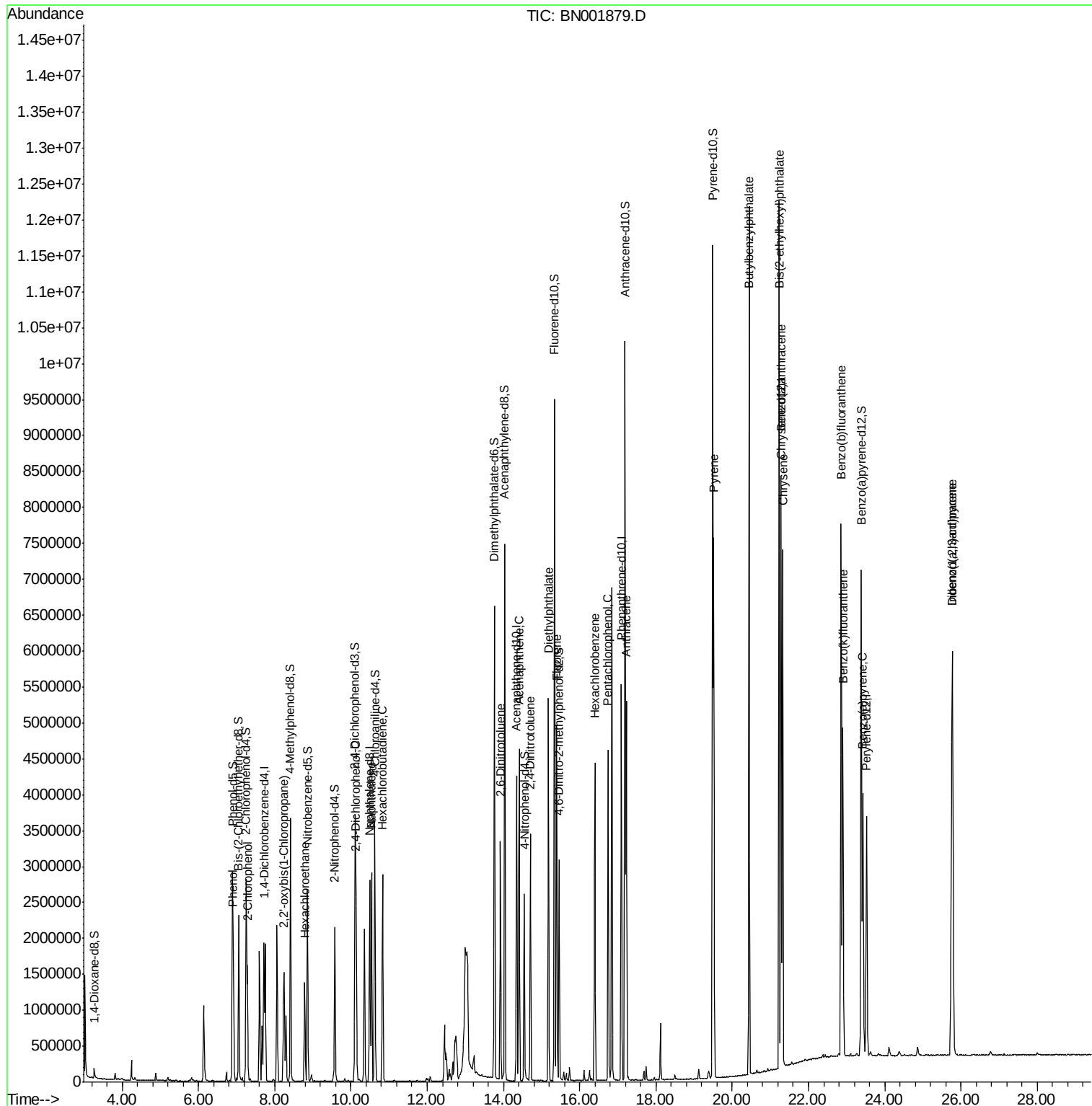
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.77	276	4354126	29.317	ng/ul#	89
90) Dibenzo(a,h)anthracene	25.78	278	3220849	26.057	ng/ul#	95

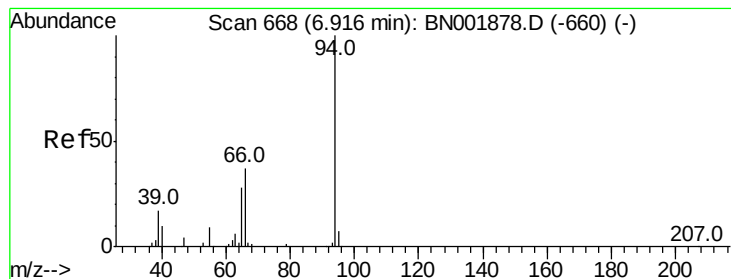
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 18.670 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. 0.00 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

Instrument :

BNA_N

ClientSampleId :

DAXN3

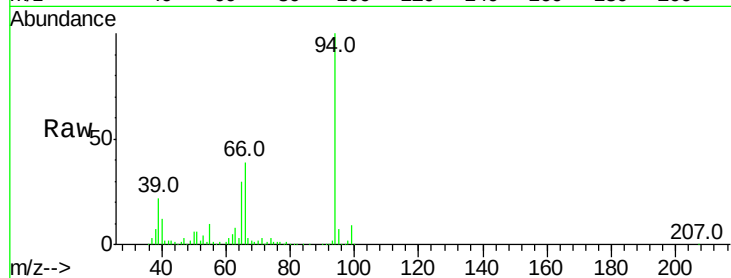
Tot Ion: 94 Resp: 873109

Ion Ratio Lower Upper

94 100

65 29.8 23.0 34.6

66 39.0 30.4 45.6



Abundance Ion 94.00 (93.70 to 94.70): BN001878.D (-660) (-)

Ion 65.00 (64.70 to 65.70): BN001878.D (-660) (-)

Ion 66.00 (65.70 to 66.70): BN001878.D (-660) (-)

6.92

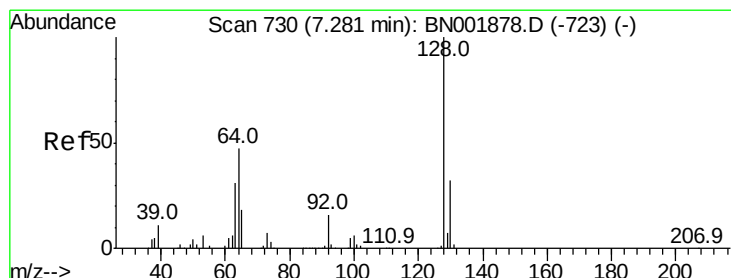
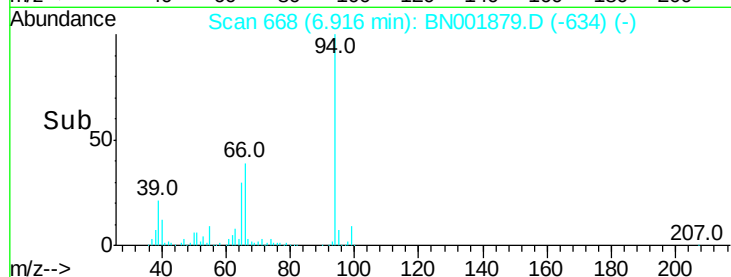
400000

200000

0

6.85 6.90 6.95 7.00

Time-->



#10

2-Chlorophenol

Concen: 18.182 ng/ul

RT: 7.28 min Scan# 730

Delta R.T. -0.01 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

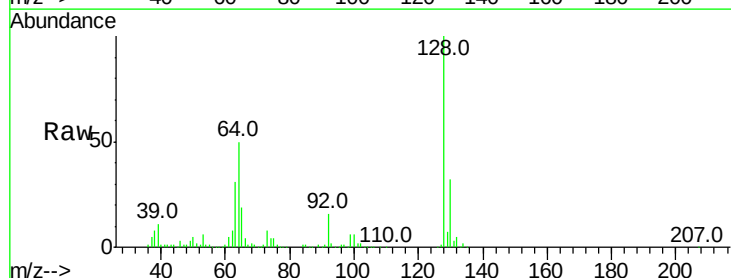
Tgt Ion:128 Resp: 676639

Ion Ratio Lower Upper

128 100

64 50.5 39.8 59.6

130 31.8 25.8 38.8



Abundance Ion 128.00 (127.70 to 128.70): BN001878.D (-723) (-)

Ion 64.00 (63.70 to 64.70): BN001878.D (-723) (-)

Ion 130.00 (129.70 to 130.70): BN001878.D (-723) (-)

7.28

500000

400000

300000

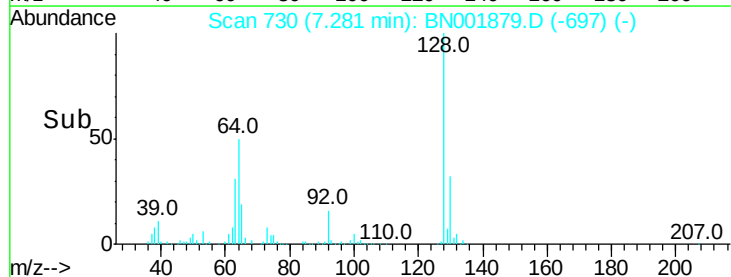
200000

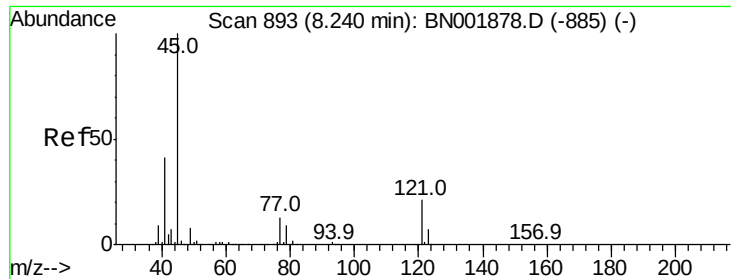
100000

0

7.20 7.25 7.30 7.35

Time-->

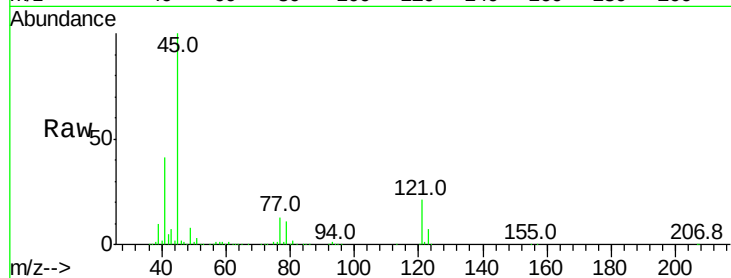




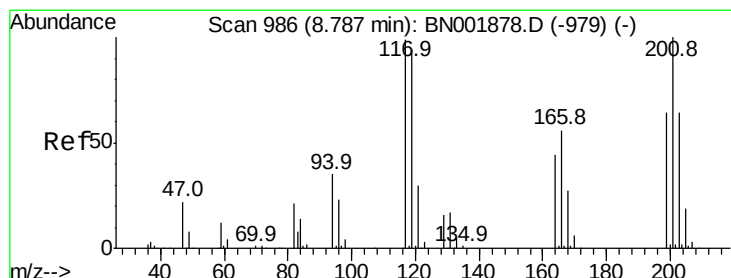
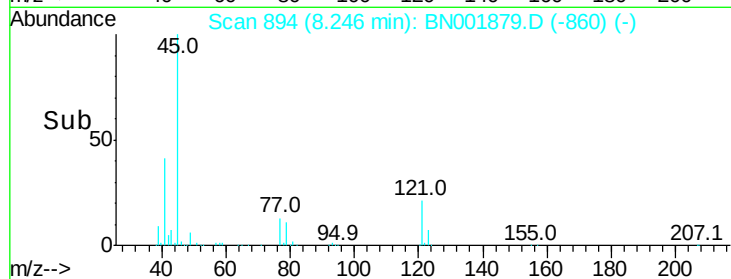
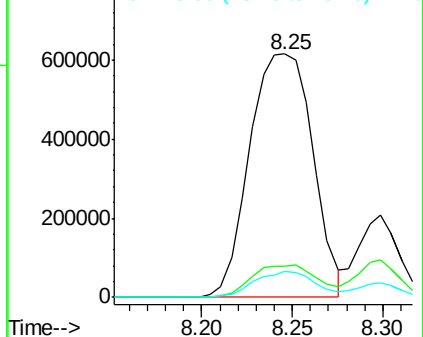
#12
2,2'-oxvbis(1-Chloropropane)
Concen: 26.210 ng/ul
RT: 8.25 min Scan# 894
Delta R.T. -0.00 min
Lab File: BN001879.D
Acq: 20 Jun 2018 10:18

Instrument :
BNA_N
ClientSampleId :
DAXN3

Tot Ion: 45 Resp: 1490446
Ion Ratio Lower Upper
45 100
77 12.8 12.5 18.7
79 10.6 9.4 14.2

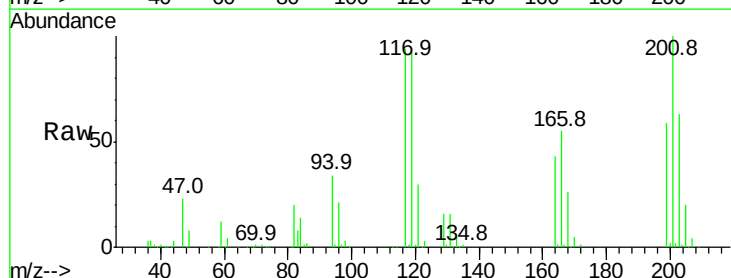


Abundance Ion 45.00 (44.70 to 45.70): BNC
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

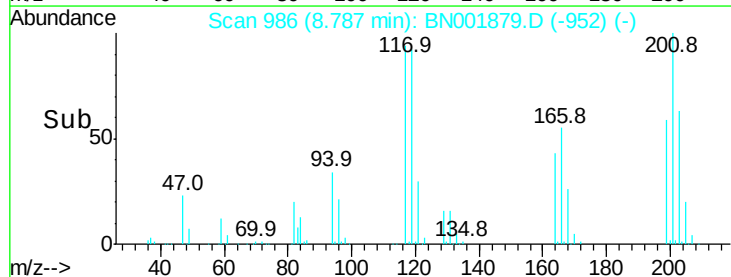
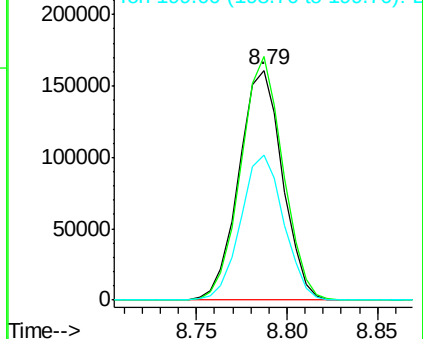


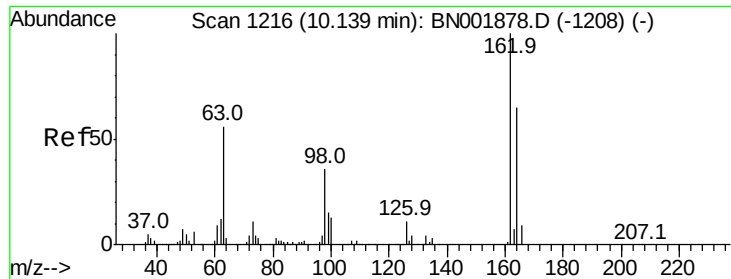
#17
Hexachloroethane
Concen: 18.278 ng/ul
RT: 8.79 min Scan# 986
Delta R.T. -0.00 min
Lab File: BN001879.D
Acq: 20 Jun 2018 10:18

Tgt Ion: 117 Resp: 268200
Ion Ratio Lower Upper
117 100
201 106.0 96.1 144.1
199 63.0 59.7 89.5



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

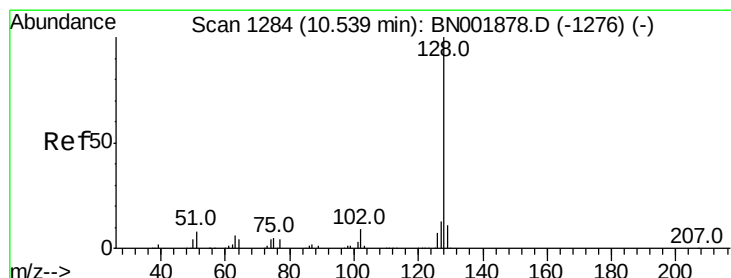
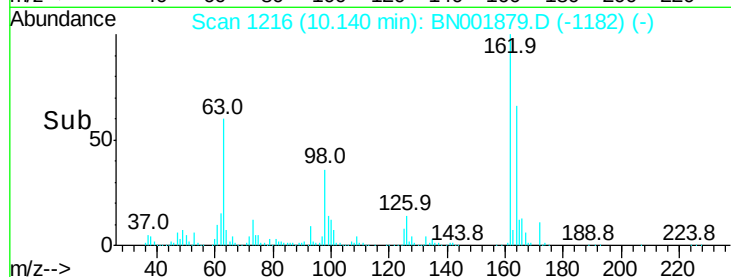
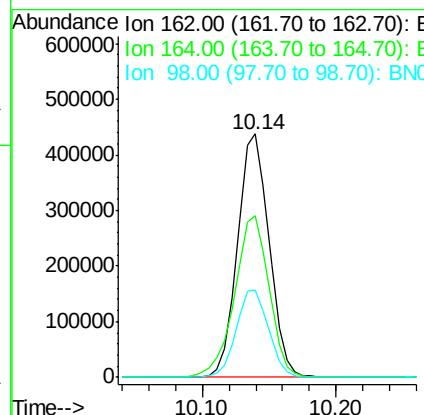
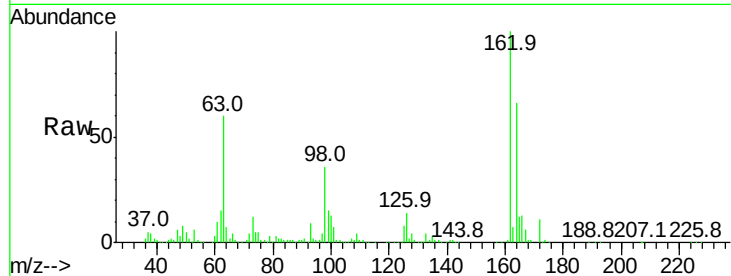




#27
 2,4-Dichlorophenol
 Concen: 19.370 ng/ul
 RT: 10.14 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BN001879.D
 Acq: 20 Jun 2018 10:18

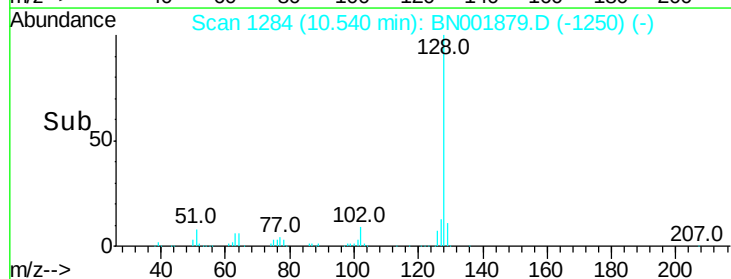
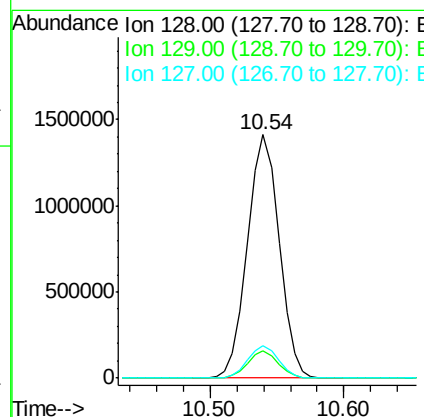
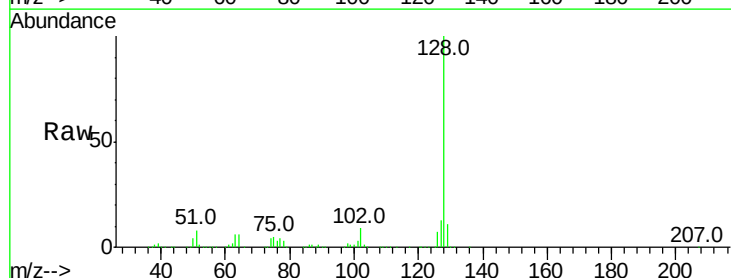
Instrument :
 BNA_N
 ClientSampled :
 DAXN3

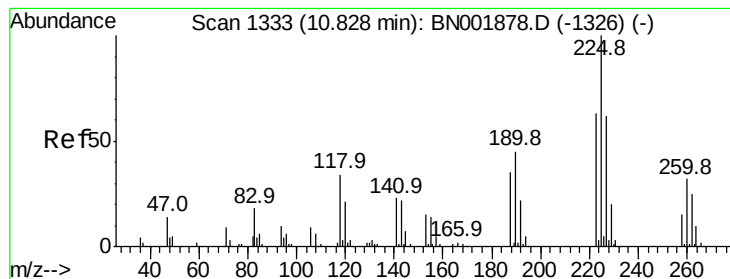
Tot Ion	Ratio	Lower	Upper
162	100		
164	66.4	52.0	78.0
98	35.7	26.6	39.8



#28
 Naphthalene
 Concen: 18.687 ng/ul
 RT: 10.54 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: BN001879.D
 Acq: 20 Jun 2018 10:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.3	12.5
127	13.3	10.8	16.2





#31

Hexachlorobutadiene

Concen: 27.507 ng/ul

RT: 10.83 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

Instrument :

BNA_N

ClientSampleId :

DAXN3

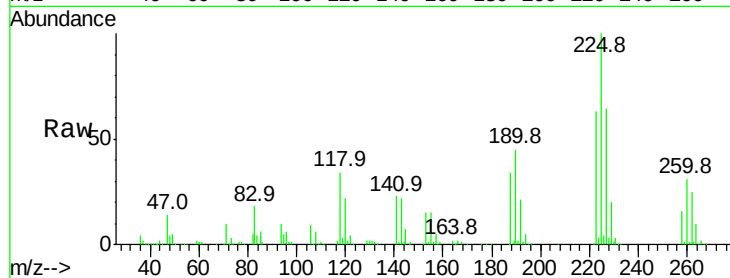
Tot Ion:225 Resp: 625061

Ion Ratio Lower Upper

225 100

223 62.8 48.1 72.1

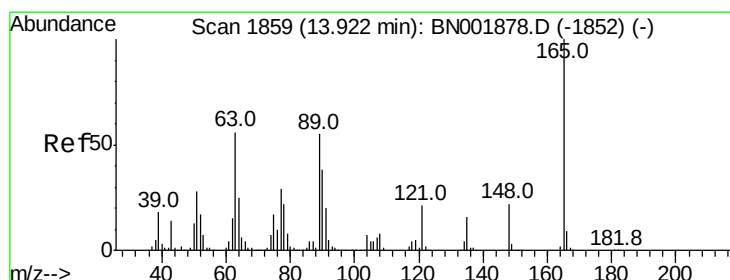
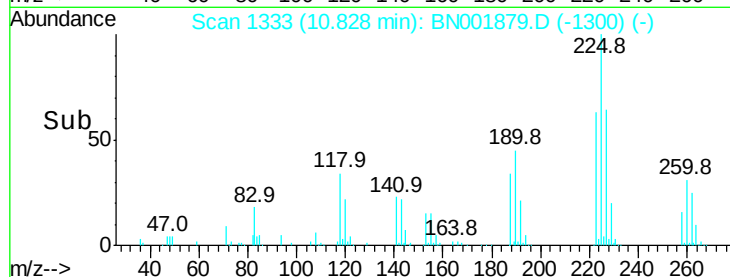
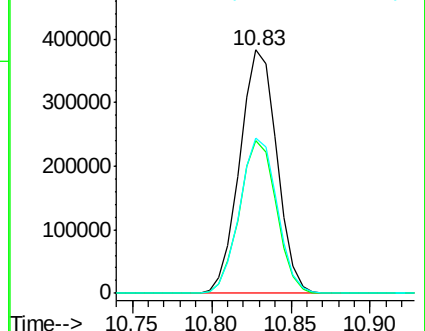
227 64.0 52.1 78.1



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



#45

2,6-Dinitrotoluene

Concen: 29.620 ng/ul

RT: 13.92 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

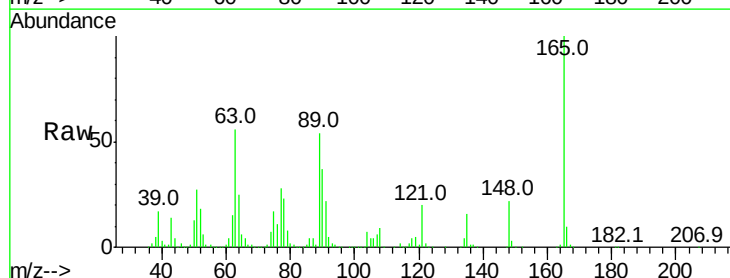
Tgt Ion:165 Resp: 644474

Ion Ratio Lower Upper

165 100

89 54.4 43.8 65.8

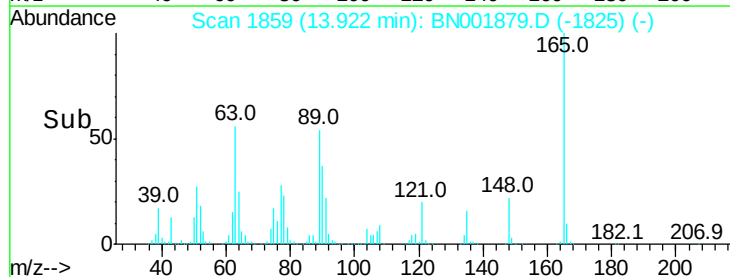
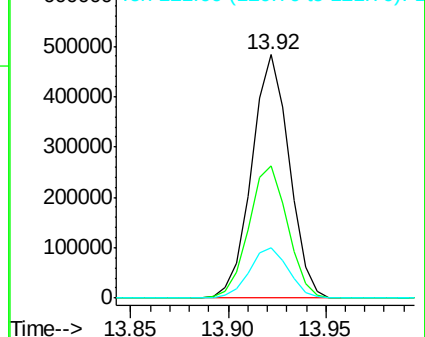
121 20.4 17.8 26.6

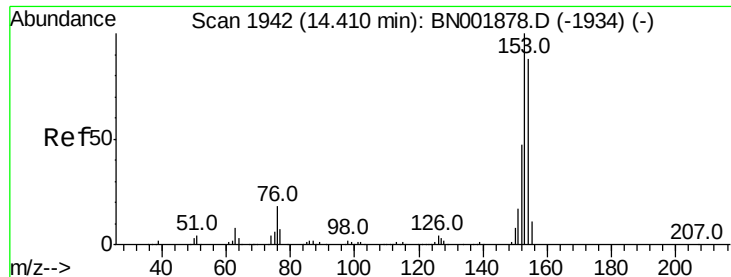


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNC

Ion 121.00 (120.70 to 121.70): E





#49

Acenaphthene

Concen: 19.331 ng/ul

RT: 14.41 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

Instrument :

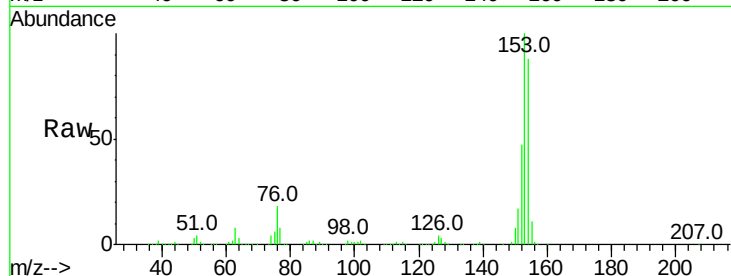
BNA_N

ClientSampleId :

DAXN3

Tot Ion:153 Resp: 1873457

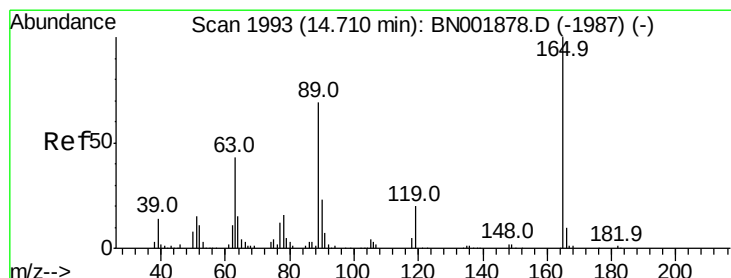
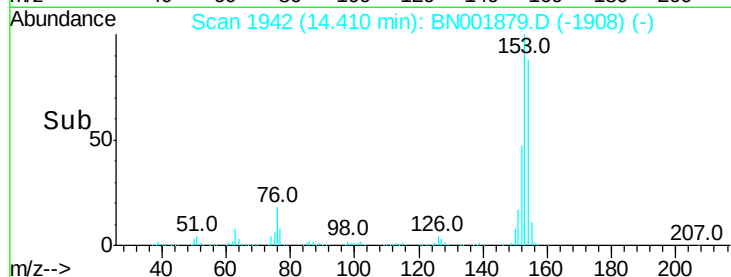
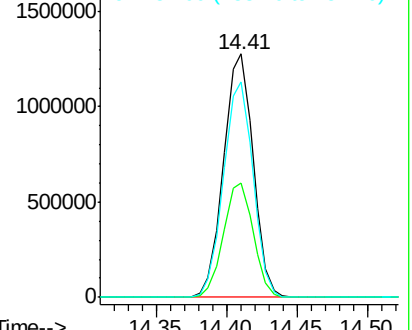
Ion	Ratio	Lower	Upper
153	100		
152	47.0	37.9	56.9
154	88.5	69.8	104.6



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: 29.773 ng/ul

RT: 14.71 min Scan# 1993

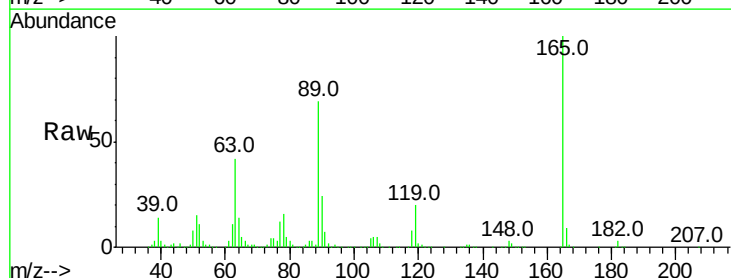
Delta R.T. -0.00 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

Tgt Ion:165 Resp: 963159

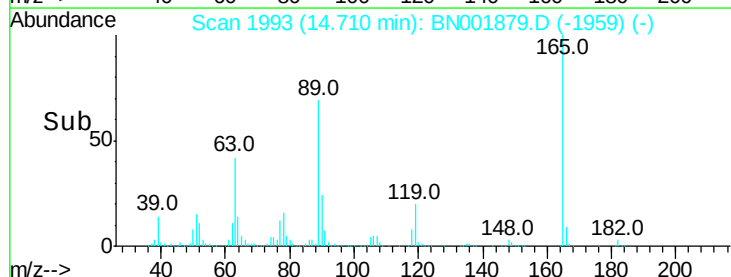
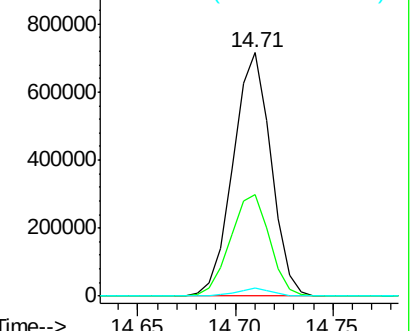
Ion	Ratio	Lower	Upper
165	100		
63	41.9	31.4	47.0
182	3.1	2.7	4.1

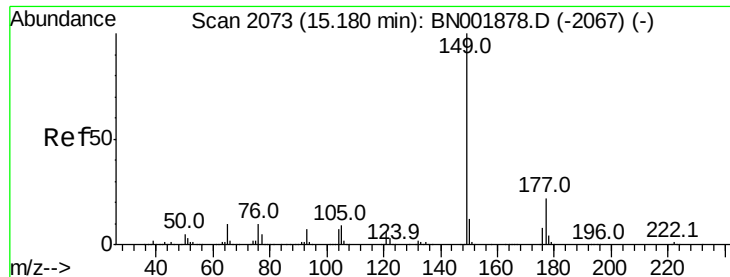


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E





#56

Diethylphthalate

Concen: 25.036 ng/ul

RT: 15.18 min Scan# 2073

Delta R.T. 0.00 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

Instrument :

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ClientSampleId :

DAXN3

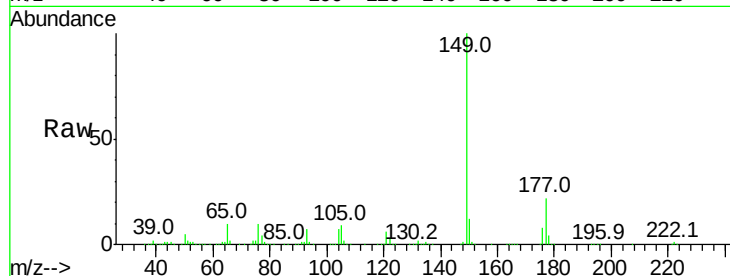
Tot Ion:149 Resp: 2923641

Ion Ratio Lower Upper

149 100

177 22.4 19.3 28.9

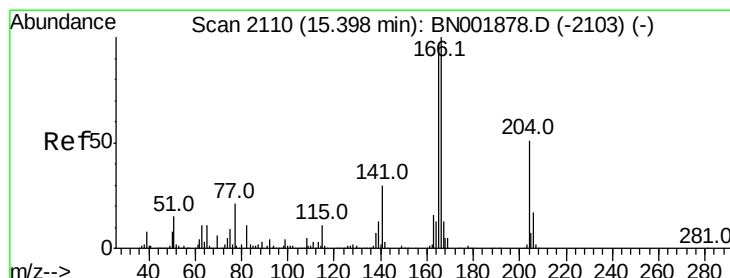
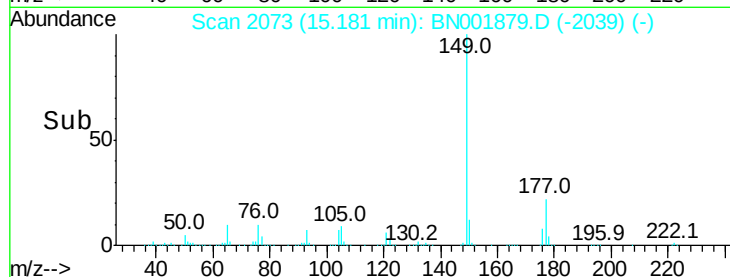
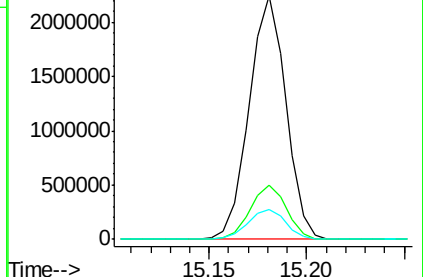
150 12.3 10.6 15.8



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: 20.082 ng/ul

RT: 15.40 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

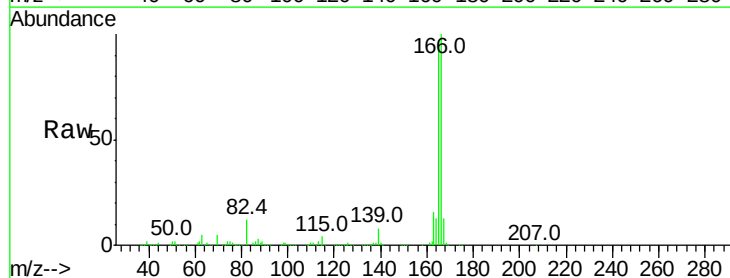
Tgt Ion:166 Resp: 2227672

Ion Ratio Lower Upper

166 100

165 97.1 78.4 117.6

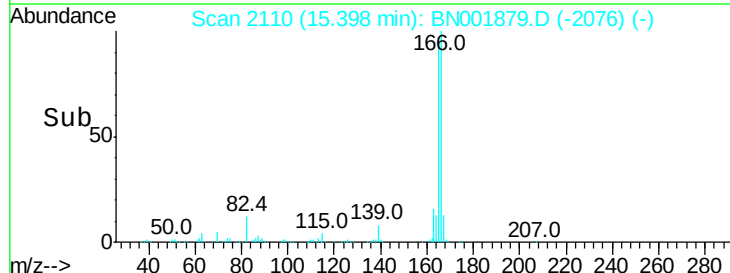
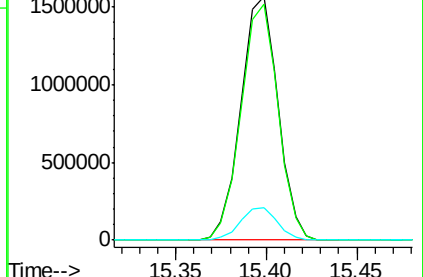
167 13.1 11.1 16.7

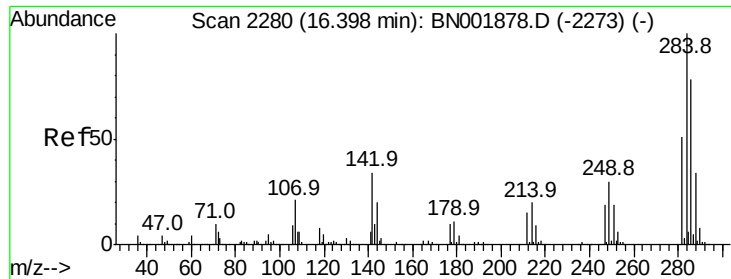


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

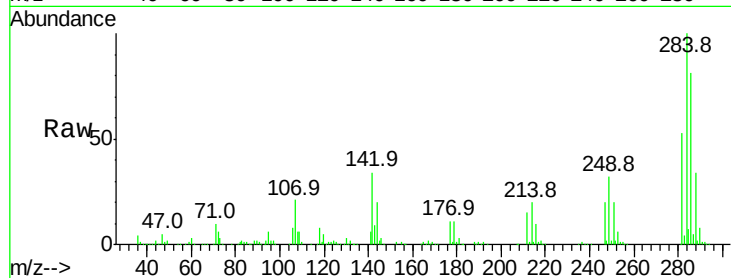




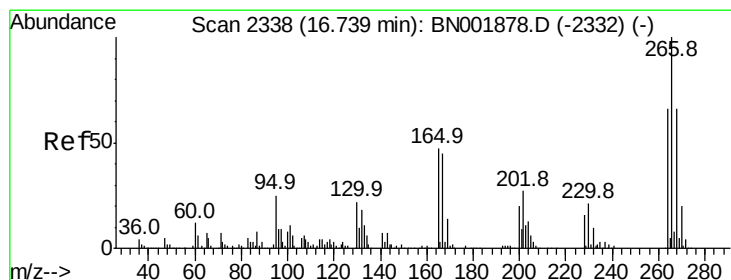
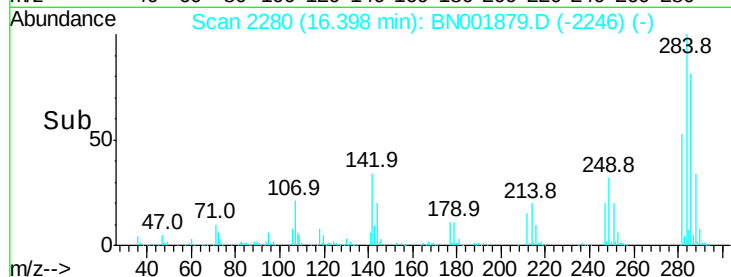
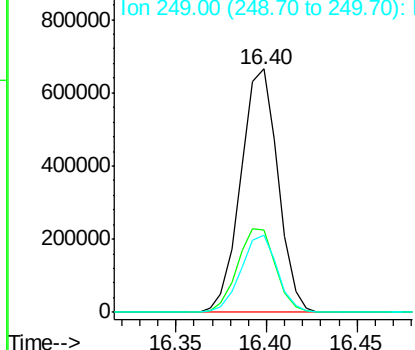
#66
Hexachlorobenzene
Concen: 24.417 ng/ul
RT: 16.40 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BN001879.D
Acq: 20 Jun 2018 10:18

Instrument :
BNA_N
ClientSampleId :
DAXN3

Tot Ion:284 Resp: 946529
Ion Ratio Lower Upper
284 100
142 33.8 21.3 31.9#
249 31.6 26.3 39.5

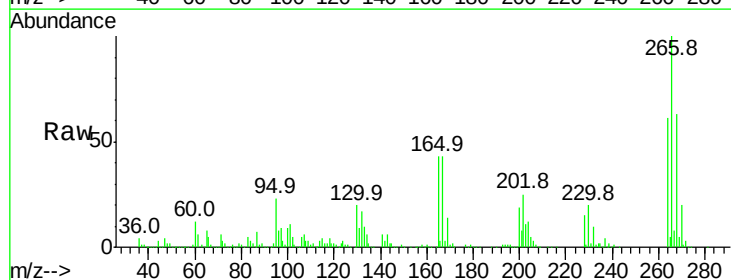


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

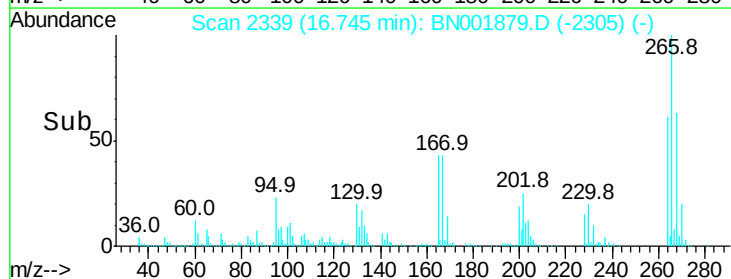
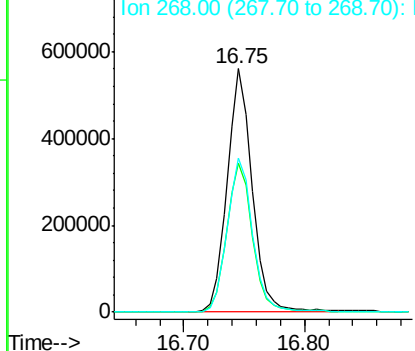


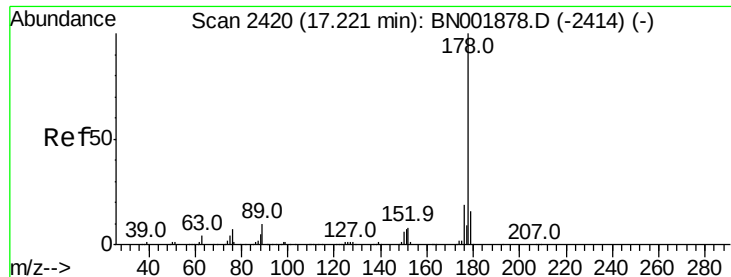
#68
Pentachlorophenol
Concen: 37.858 ng/ul
RT: 16.75 min Scan# 2339
Delta R.T. -0.00 min
Lab File: BN001879.D
Acq: 20 Jun 2018 10:18

Tgt Ion:266 Resp: 811562
Ion Ratio Lower Upper
266 100
264 61.2 48.2 72.4
268 63.5 52.3 78.5



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





#71

Anthracene

Concen: 17.656 ng/ul

RT: 17.22 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

Instrument :

BNA_N

ClientSampleId :

DAXN3

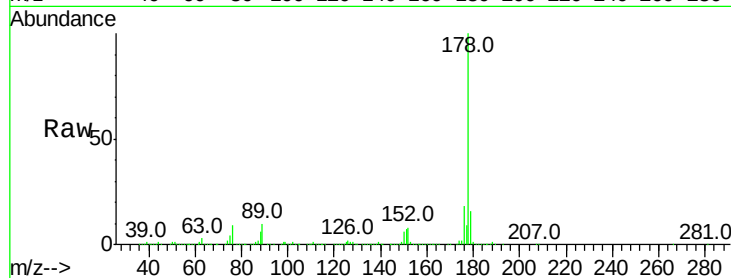
Tot Ion:178 Resp: 3189986

Ion Ratio Lower Upper

178 100

179 15.7 13.4 20.2

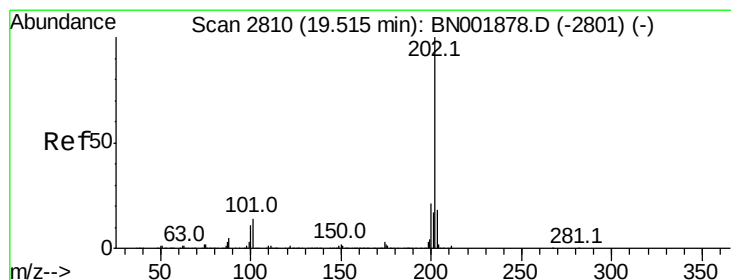
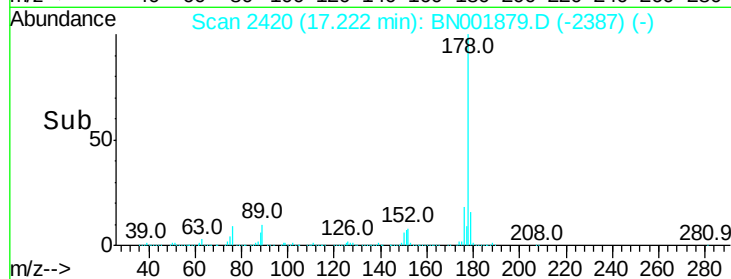
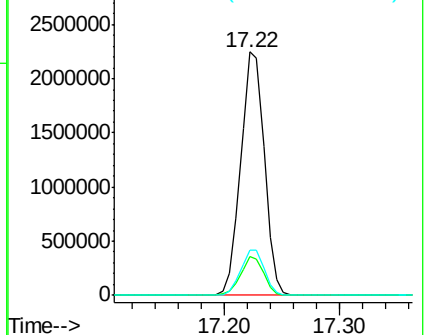
176 18.4 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Pyrene

Concen: 24.235 ng/ul

RT: 19.52 min Scan# 2810

Delta R.T. -0.01 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

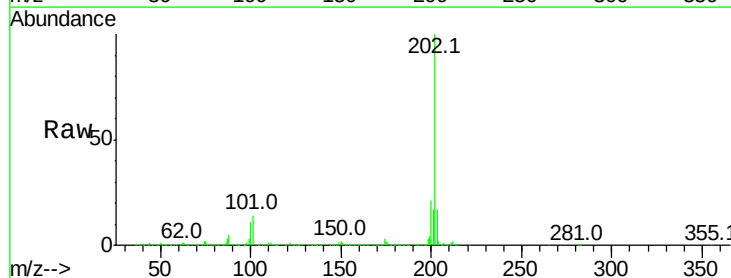
Tgt Ion:202 Resp: 4266837

Ion Ratio Lower Upper

202 100

101 13.9 6.9 10.3#

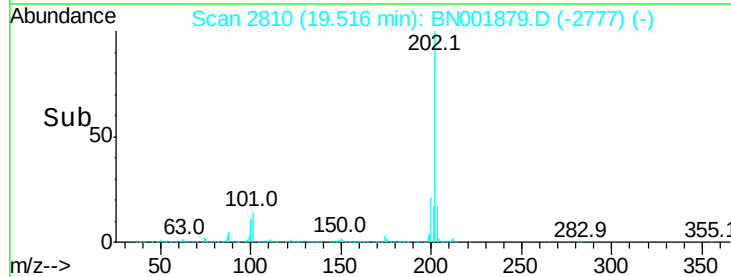
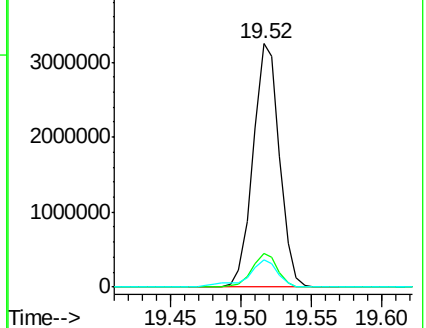
100 11.3 5.6 8.4#

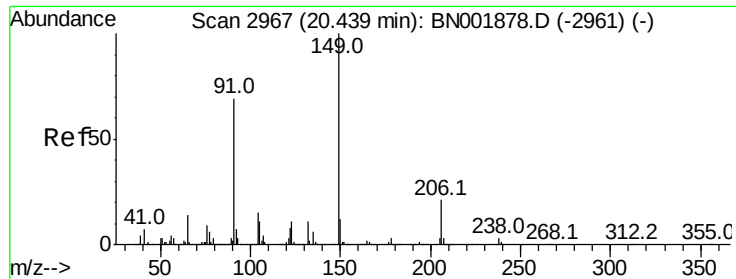


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

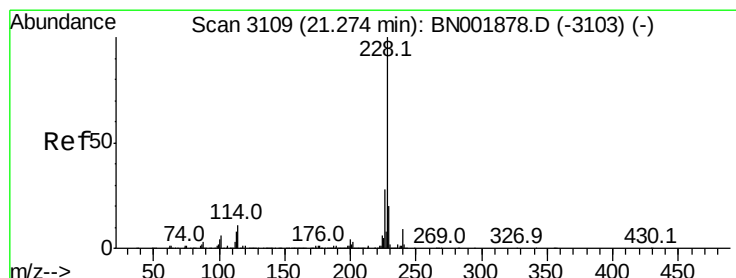
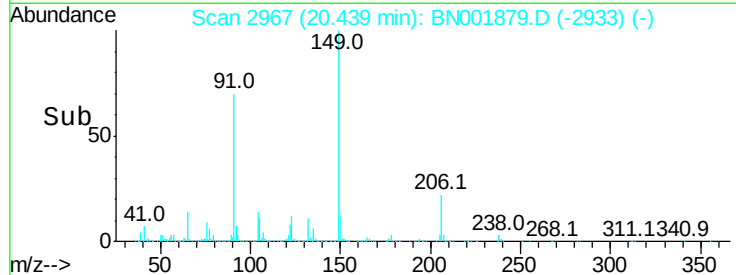
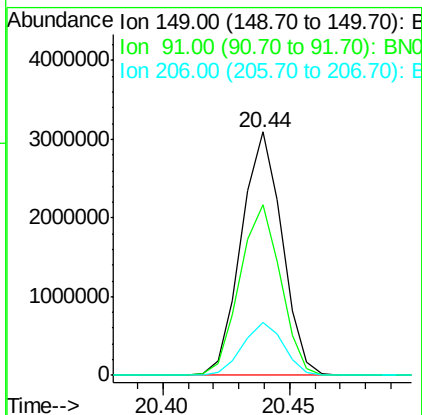
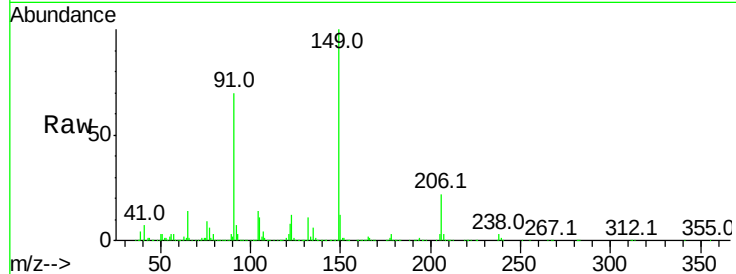




#78
Butylbenzylphthalate
Concen: 46.118 ng/ul
RT: 20.44 min Scan# 2967
Delta R.T. 0.00 min
Lab File: BN001879.D
Acq: 20 Jun 2018 10:18

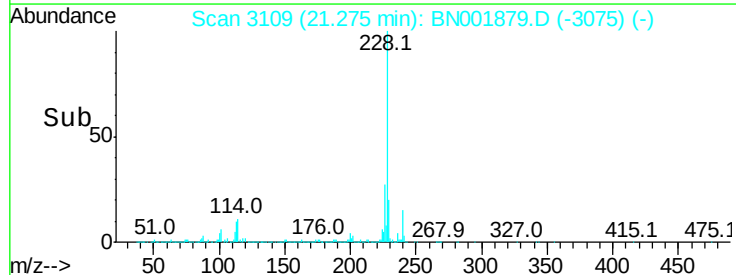
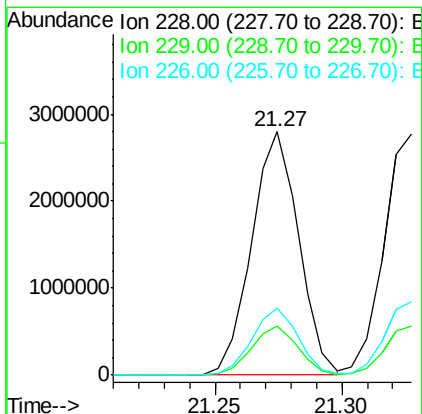
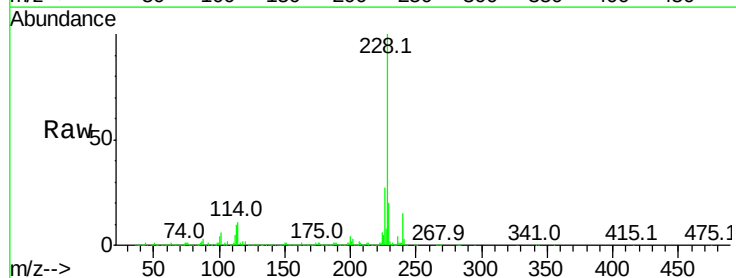
Instrument :
BNA_N
ClientSampleId :
DAXN3

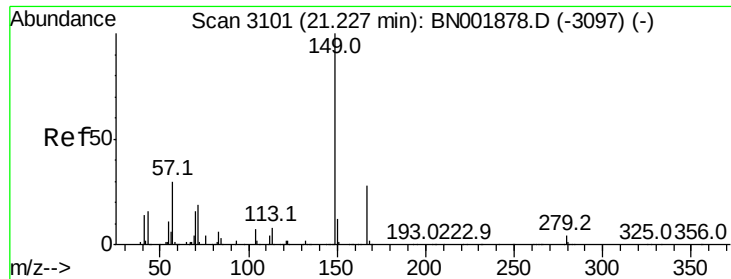
Tot Ion:149 Resp: 3464829
Ion Ratio Lower Upper
149 100
91 70.2 53.4 80.0
206 21.7 19.3 28.9



#80
Benzo(a)anthracene
Concen: 20.249 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.00 min
Lab File: BN001879.D
Acq: 20 Jun 2018 10:18

Tgt Ion:228 Resp: 3600488
Ion Ratio Lower Upper
228 100
229 20.2 16.0 24.0
226 27.4 21.8 32.8

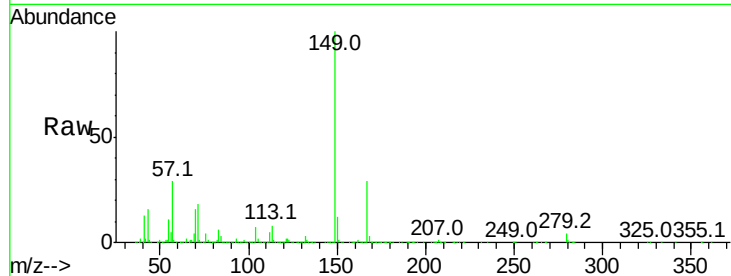




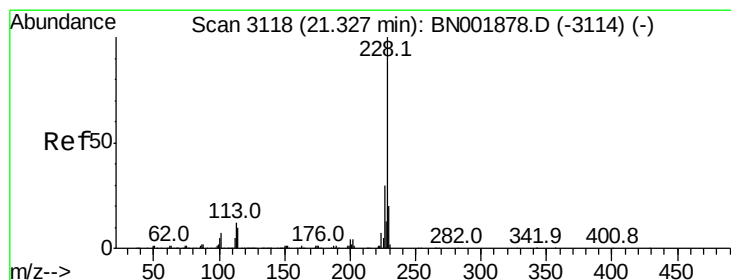
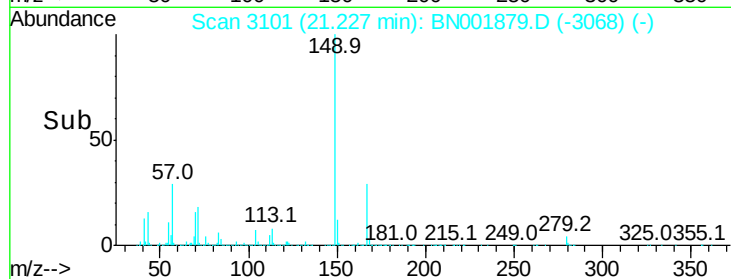
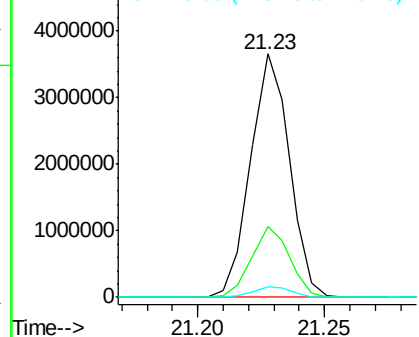
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 35.090 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. -0.01 min
 Lab File: BN001879.D
 Acq: 20 Jun 2018 10:18

Instrument :
 BNA_N
 ClientSampleId :
 DAXN3

Tot Ion:149 Resp: 3931238
 Ion Ratio Lower Upper
 149 100
 167 28.9 23.0 34.6
 279 4.5 4.3 6.5

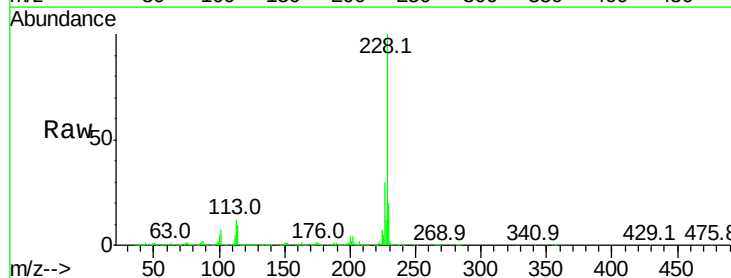


Abundance Ion 149.00 (148.70 to 149.70): E
 5000000
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

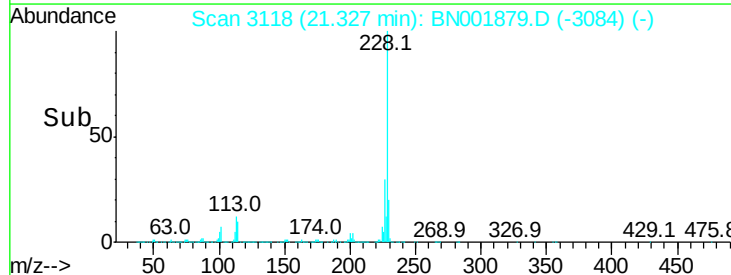
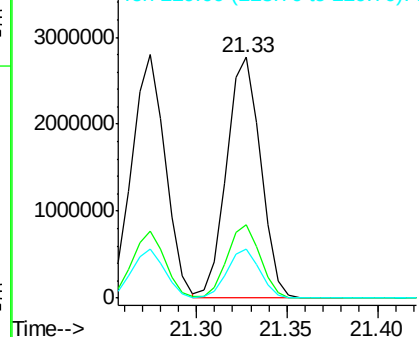


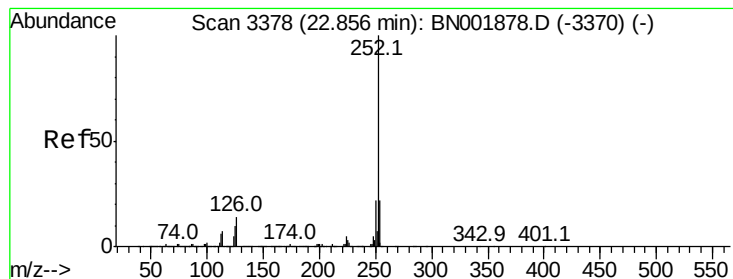
#82
 Chrysene
 Concen: 21.771 ng/ul
 RT: 21.33 min Scan# 3118
 Delta R.T. -0.00 min
 Lab File: BN001879.D
 Acq: 20 Jun 2018 10:18

Tgt Ion:228 Resp: 3601736
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.1 36.1
 229 20.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
 3000000
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 34.958 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

Instrument :

BNA_N

ClientSampleId :

DAXN3

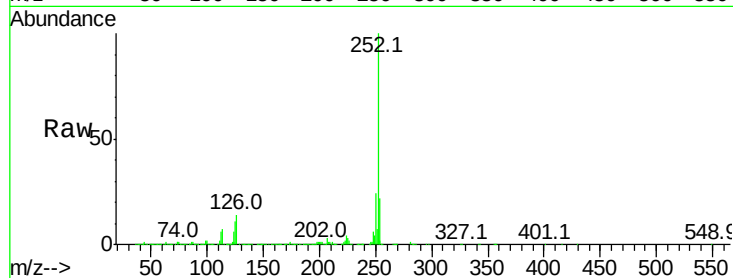
Tot Ion:252 Resp: 5221450

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

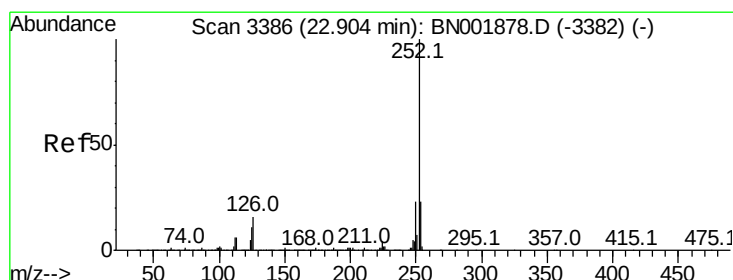
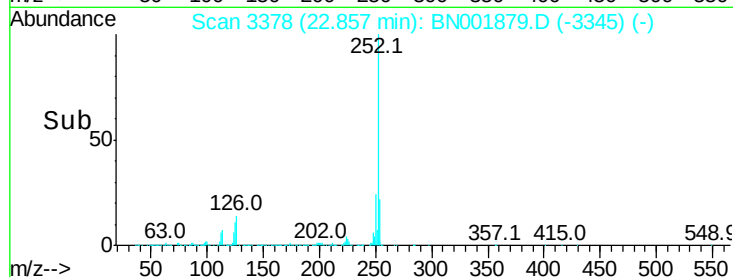
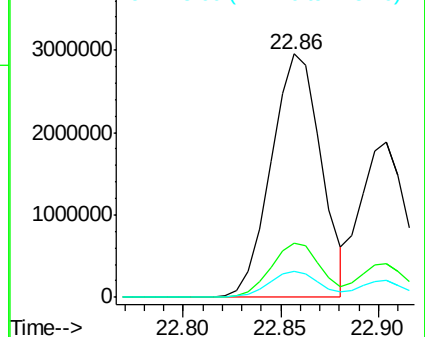
125 10.8 4.9 7.3#



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



#86

Benzo(k)fluoranthene

Concen: 20.850 ng/ul

RT: 22.90 min Scan# 3386

Delta R.T. -0.00 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

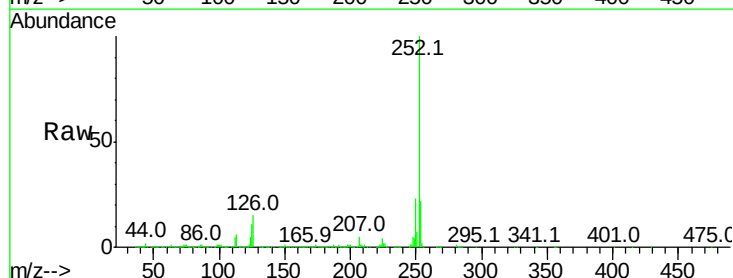
Tgt Ion:252 Resp: 3019795

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

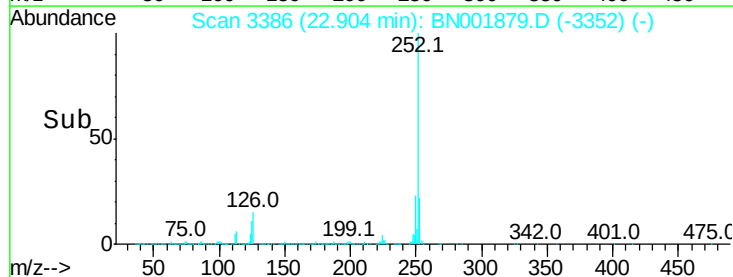
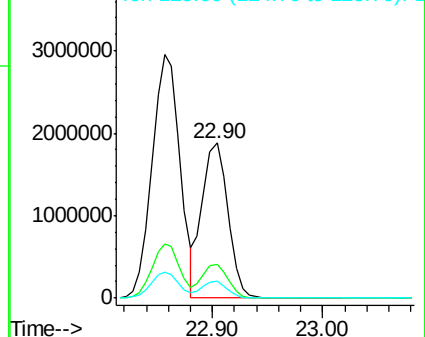
125 10.7 5.4 8.0#

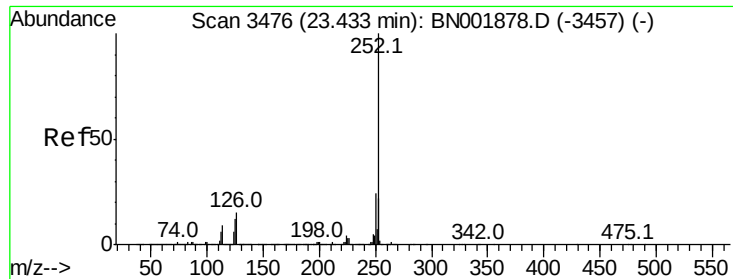


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 19.654 ng/ul

RT: 23.43 min Scan# 3475

Delta R.T. -0.01 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

Instrument :

BNA_N

ClientSampleId :

DAXN3

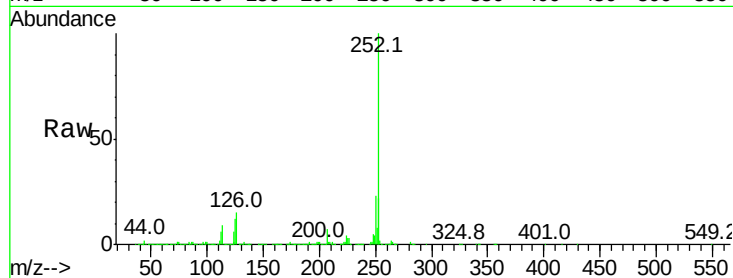
Tot Ion:252 Resp: 2743263

Ion Ratio Lower Upper

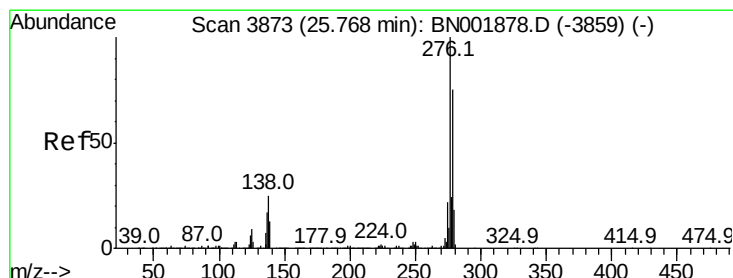
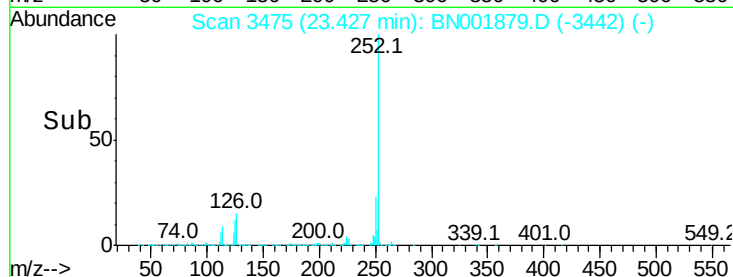
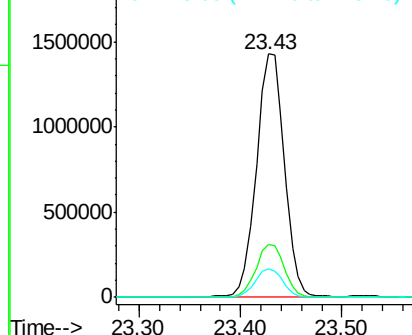
252 100

253 21.8 17.2 25.8

125 11.6 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: 29.317 ng/ul

RT: 25.77 min Scan# 3873

Delta R.T. -0.00 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

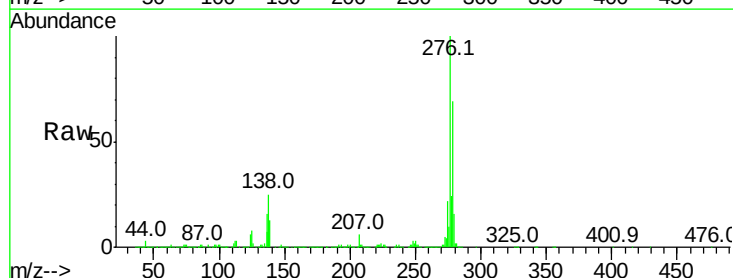
Tgt Ion:276 Resp: 4354126

Ion Ratio Lower Upper

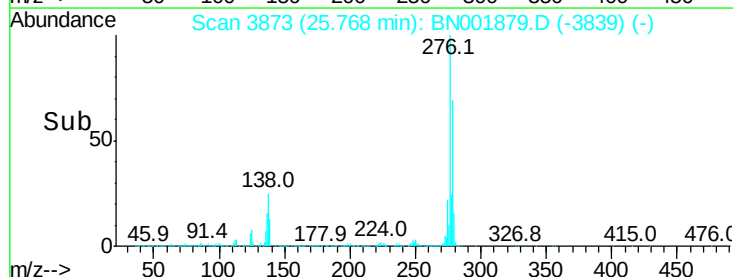
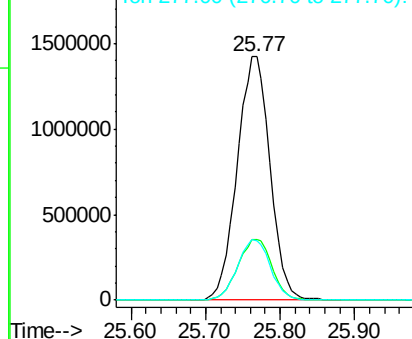
276 100

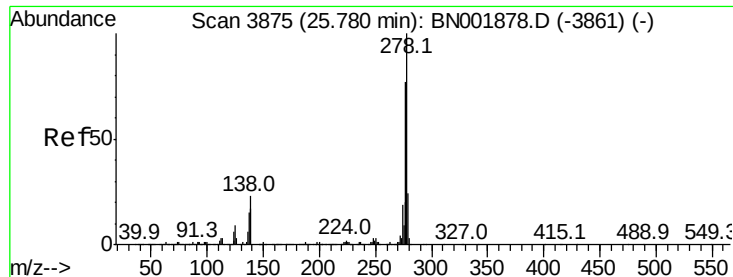
138 25.1 10.9 16.3#

277 24.4 18.9 28.3



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 26.057 ng/ul

RT: 25.78 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BN001879.D

Acq: 20 Jun 2018 10:18

Instrument :

BNA_N

ClientSampleId :

DAXN3

Tot Ion:278 Resp: 3220849

Ion Ratio Lower Upper

278 100

139 17.0 9.0 13.4#

279 23.4 19.1 28.7

