

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002019.D
 Acq On : 11 Jul 2018 20:08
 Operator : JU/SJ
 Sample : J3775-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 22:44:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 11 22:41:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	564924	20.00	ng/ul	0.01
18) Naphthalene-d8	10.49	136	2516127	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	1445075	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.10	188	2975999	20.00	ng/ul	0.02
75) Chrysene-d12	21.30	240	1901019	20.00	ng/ul	0.02
83) Perylene-d12	23.54	264	1898155	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	64996	5.00	ng/uL	0.00
5) Phenol-d5	6.90	99	1721331	33.67	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.05	67	1039030	32.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1393010	34.37	ng/ul	0.01
13) 4-Methylphenol-d8	8.42	113	1350341	32.97	ng/ul	0.01
19) Nitrobenzene-d5	8.86	128	701868	37.56	ng/ul	0.01
22) 2-Nitrophenol-d4	9.58	143	807767	41.77	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.12	165	1417525	34.33	ng/ul	0.01
29) 4-Chloroaniline-d4	10.63	131	825330	19.31	ng/ul	0.01
43) Dimethylphthalate-d6	13.76	166	4080031	33.43	ng/ul	0.00
46) Acenaphthylene-d8	14.04	160	5207725	34.57	ng/ul	0.01
51) 4-Nitrophenol-d4	14.57	143	671825	29.88	ng/ul	0.02
57) Fluorene-d10	15.35	176	3567468	33.35	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.47	200	315428	19.46	ng/ul	0.01
70) Anthracene-d10	17.19	188	5063885	35.22	ng/ul	0.01
76) Pyrene-d10	19.50	212	4480075	46.75	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.40	264	3571754	34.60	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	6.93	94	104039	2.018	ng/ul	95
44) Dimethylphthalate	13.80	163	1034969	8.629	ng/ul	99
49) Acenaphthene	14.41	153	348361	3.453	ng/ul	99
53) Dibenzofuran	14.75	168	201979	1.396	ng/ul	97
58) Fluorene	15.40	166	232350	2.012	ng/ul	98
69) Phenanthrene	17.14	178	9077583	54.148	ng/ul	97
71) Anthracene	17.23	178	2074357	12.224	ng/ul	98
72) Carbazole	17.50	167	908040	6.388	ng/ul	98
73) Di-n-butylphthalate	18.07	149	192143	1.070	ng/ul	97
74) Fluoranthene	19.16	202	13683139	77.649	ng/ul#	81
77) Pyrene	19.53	202	11477129	96.475	ng/ul#	83
78) Butylbenzylphthalate	20.43	149	104924	2.067	ng/ul#	81
80) Benzo(a)anthracene	21.29	228	5736025	47.743	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.22	149	575832	7.607	ng/ul	99
82) Chrysene	21.33	228	5271220	47.154	ng/ul	96
85) Benzo(b)fluoranthene	22.88	252	6085749	50.763	ng/ul#	93
86) Benzo(k)fluoranthene	22.88	252	6085749	52.348	ng/ul#	92
88) Benzo(a)pyrene	23.45	252	3762361	33.583	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.80	276	2936280	24.631	ng/ul#	89
90) Dibenz(a,h)anthracene	25.80	278	802698	8.091	ng/ul#	83
91) Benzo(a,h,i)perylene	26.49	276	2437234	24.784	ng/ul#	92

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN071118\
Data File : BN002019.D
Acq On : 11 Jul 2018 20:08
Operator : JU/SJ
Sample : J3775-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Jul 11 22:44:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 11 22:41:21 2018
Response via : Initial Calibration

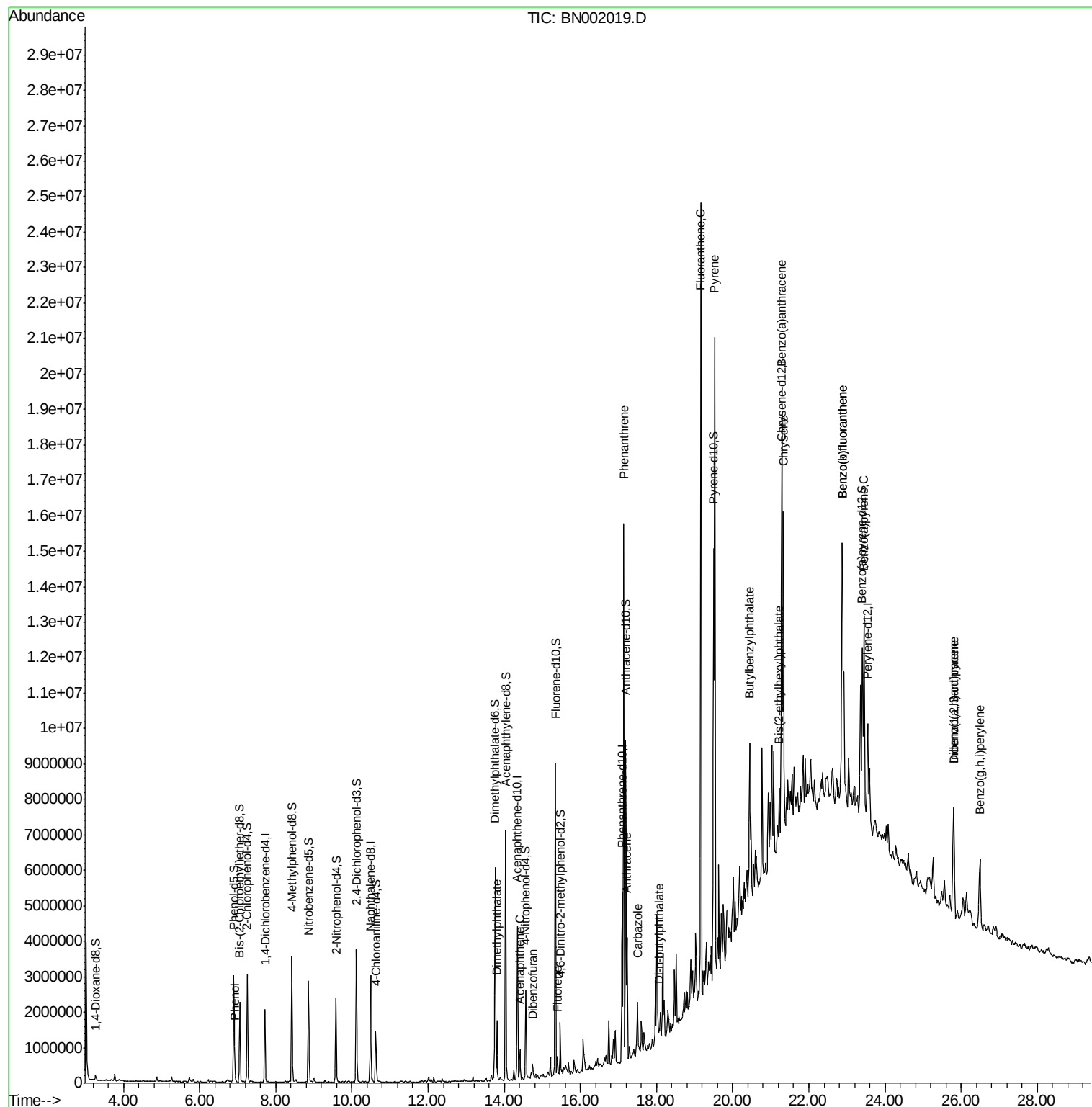
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

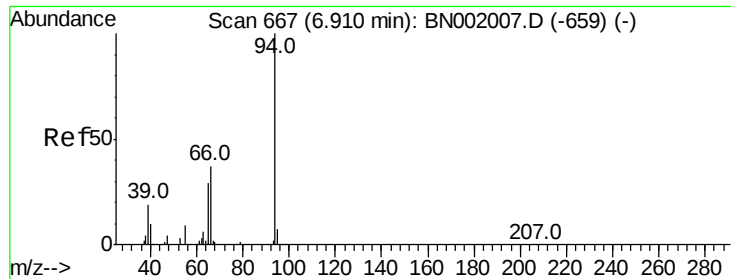
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN071118\
Data File : BN002019.D
Acq On : 11 Jul 2018 20:08
Operator : JU/SJ
Sample : J3775-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :

Quant Time: Jul 11 22:44:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 11 22:41:21 2018
Response via : Initial Calibration





#6

Phenol

Concen: 2.018 ng/ul

RT: 6.93 min Scan# 670

Delta R.T. 0.02 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

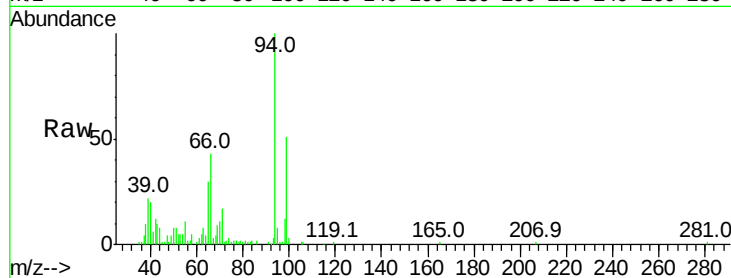
Instrument :

BNA_N

ClientSampleId :

Tot Ion: 94 Resp: 104039

Ion	Ratio	Lower	Upper
94	100		
65	30.1	23.0	34.6
66	42.5	30.4	45.6

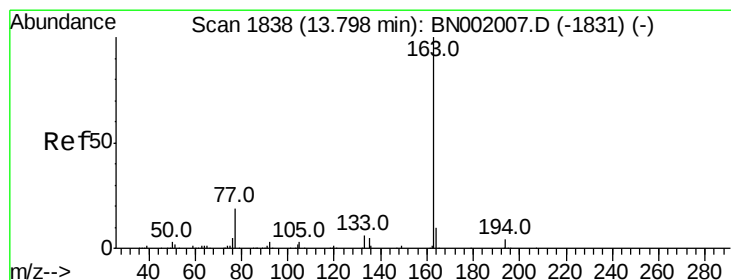
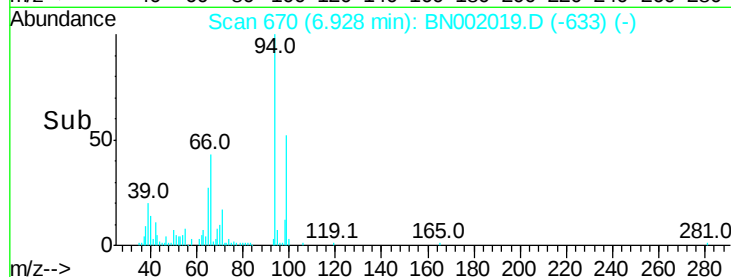
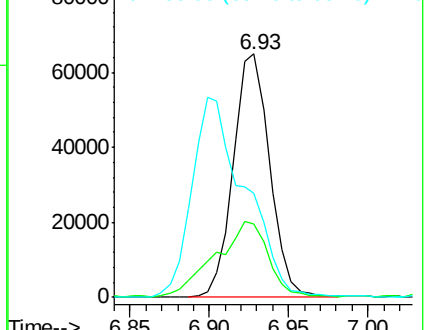


Abundance

Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0



#44

Dimethylphthalate

Concen: 8.629 ng/ul

RT: 13.80 min Scan# 1839

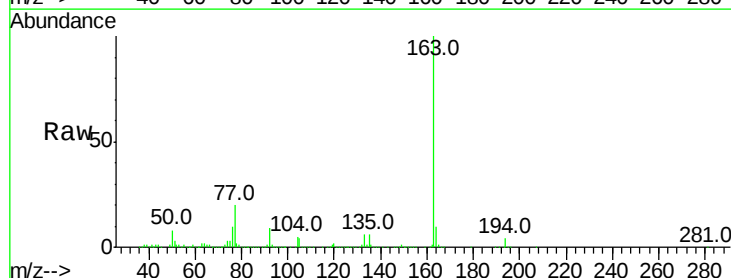
Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Tgt Ion:163 Resp: 1034969

Ion	Ratio	Lower	Upper
163	100		
194	4.4	4.0	6.0
164	10.2	8.4	12.6

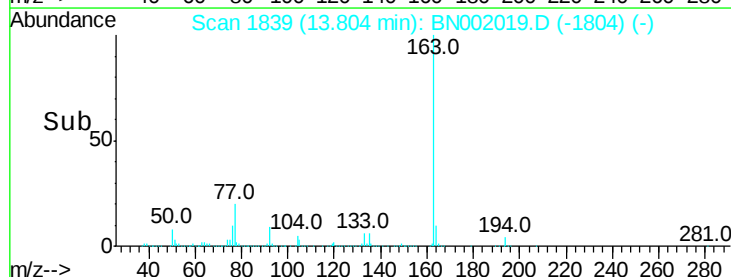
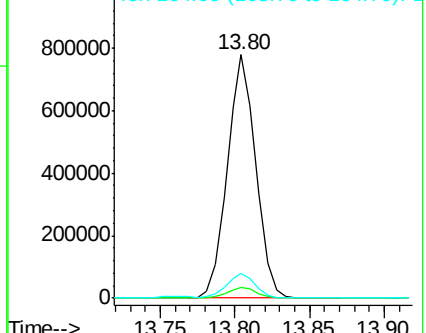


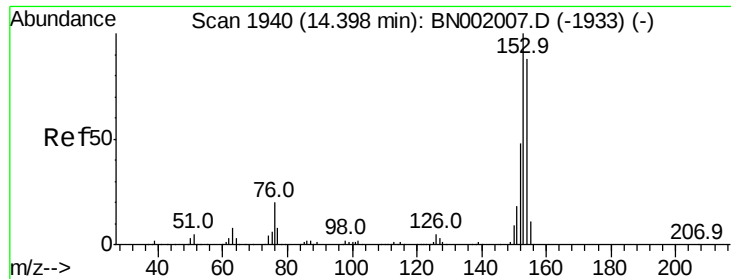
Abundance

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





#49

Acenaphthene

Concen: 3.453 ng/ul

RT: 14.41 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

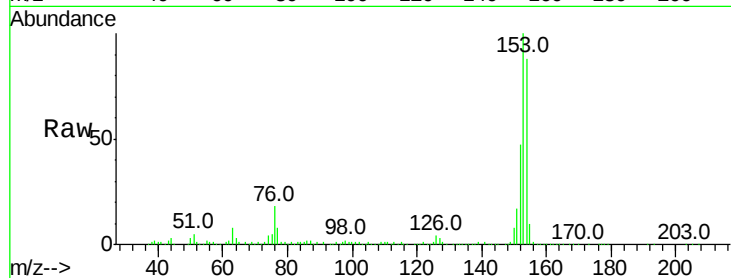
Tot Ion:153 Resp: 348361

Ion Ratio Lower Upper

153 100

152 47.5 37.9 56.9

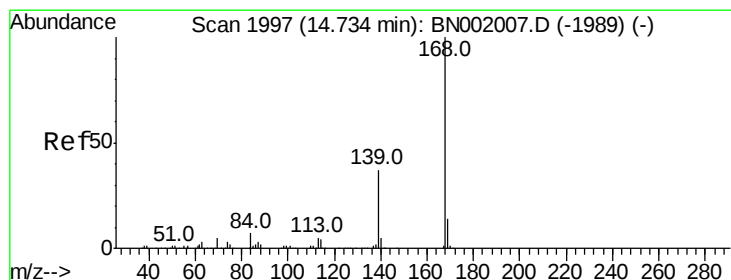
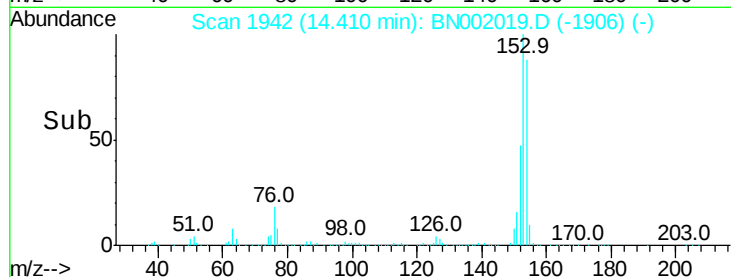
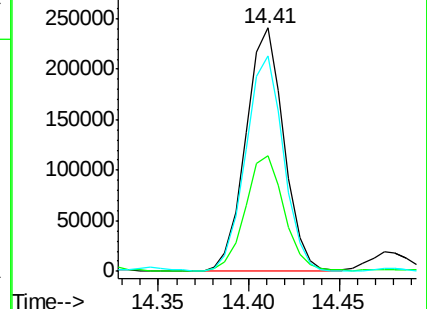
154 88.4 69.8 104.6



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



#53

Dibenzofuran

Concen: 1.396 ng/ul

RT: 14.75 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BN002019.D

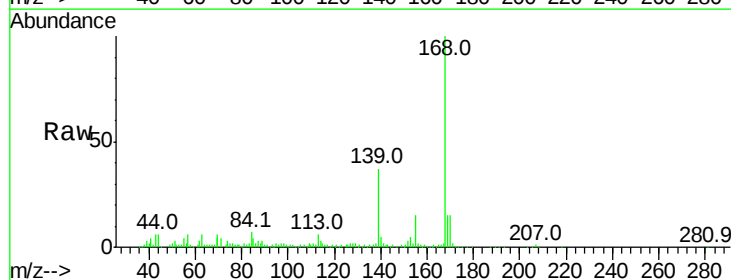
Acq: 11 Jul 2018 20:08

Tgt Ion:168 Resp: 201979

Ion Ratio Lower Upper

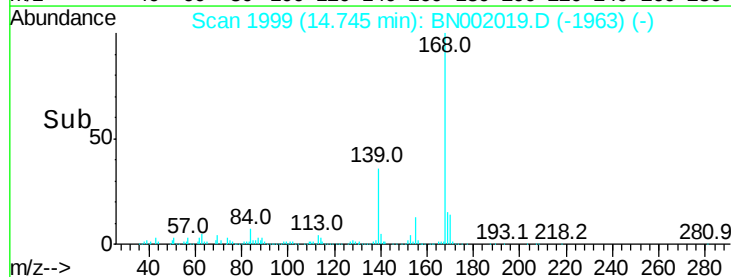
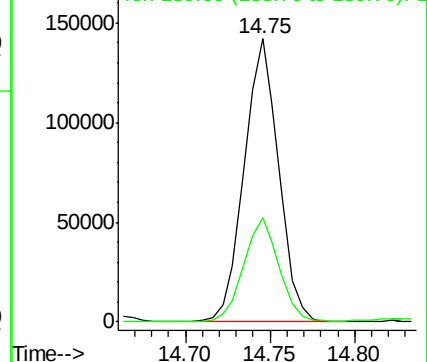
168 100

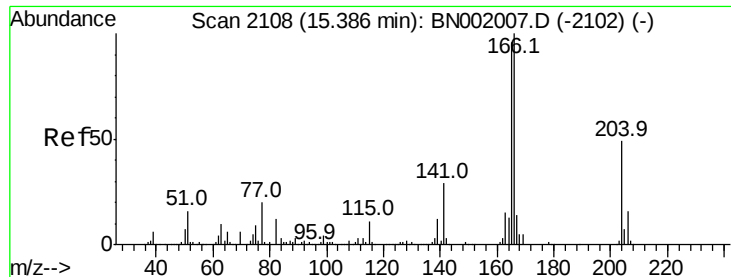
139 36.6 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.012 ng/ul

RT: 15.40 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

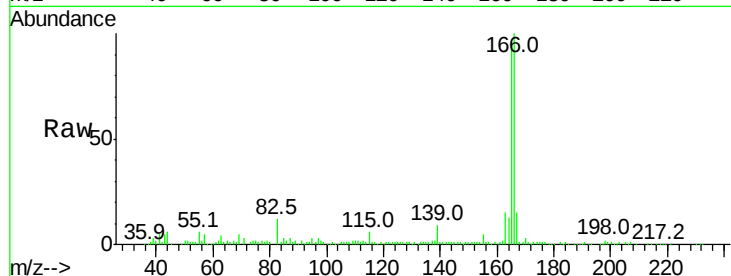
Tot Ion:166 Resp: 232350

Ion Ratio Lower Upper

166 100

165 96.2 78.4 117.6

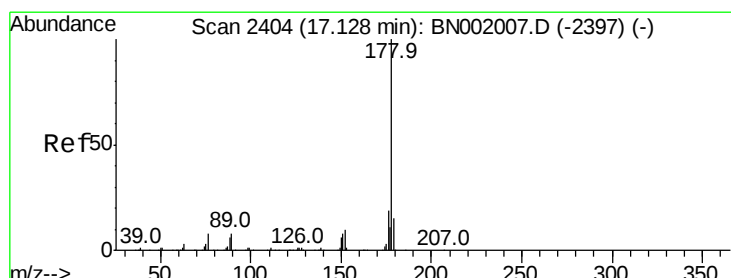
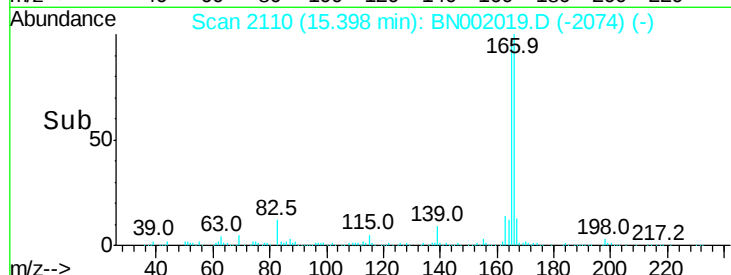
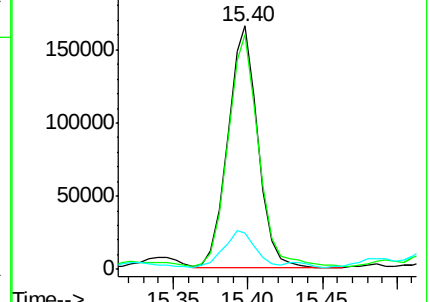
167 15.1 11.1 16.7



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



#69

Phenanthrene

Concen: 54.148 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

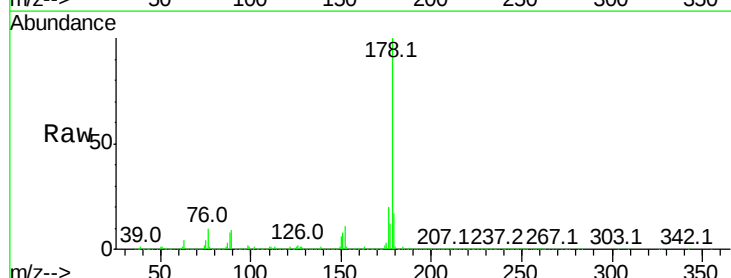
Tgt Ion:178 Resp: 9077583

Ion Ratio Lower Upper

178 100

179 16.6 12.3 18.5

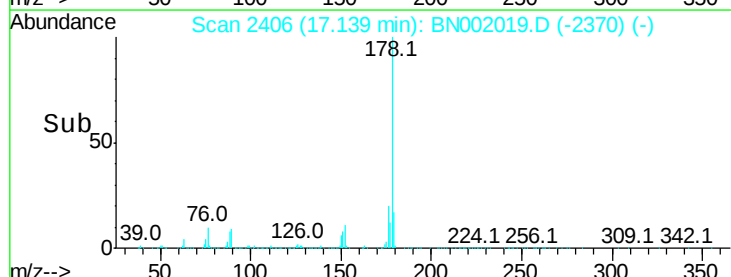
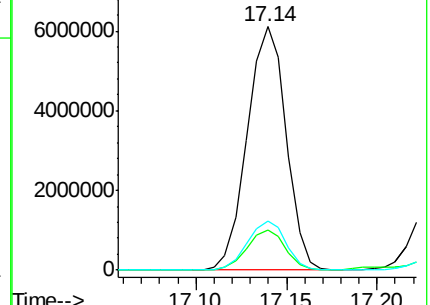
176 20.4 15.4 23.0

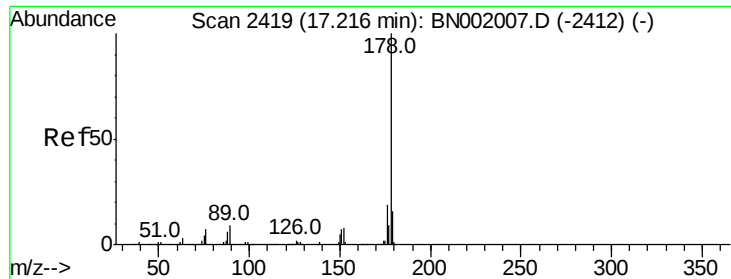


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



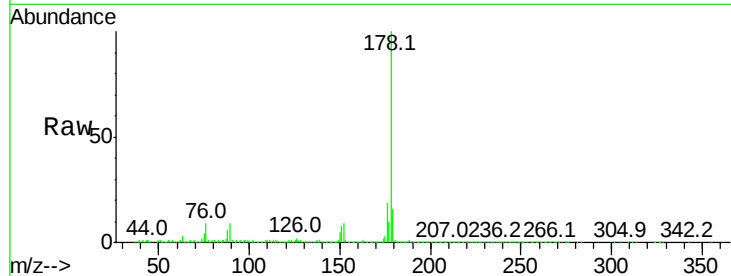


#71
 Anthracene
 Concen: 12.224 ng/ul
 RT: 17.23 min Scan# 2421
 Delta R.T. 0.01 min
 Lab File: BN002019.D
 Acq: 11 Jul 2018 20:08

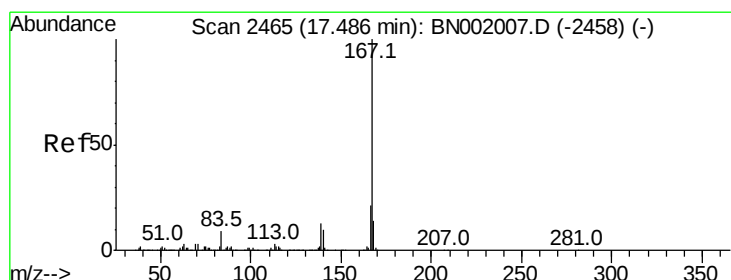
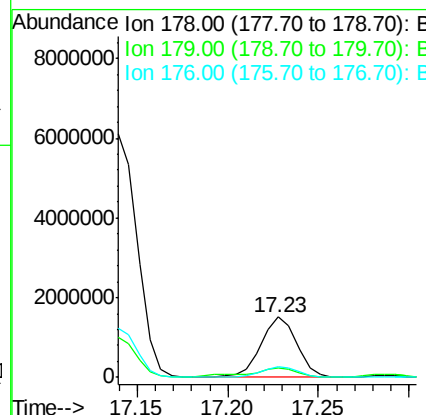
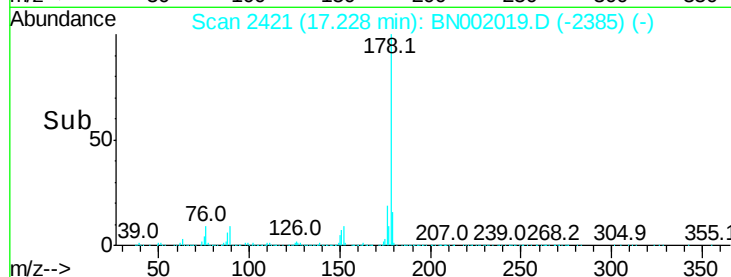
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:178 Resp: 2074357

Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.4	20.2
176	18.6	15.4	23.0



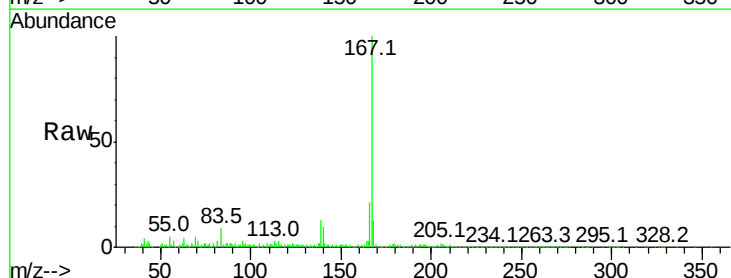
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



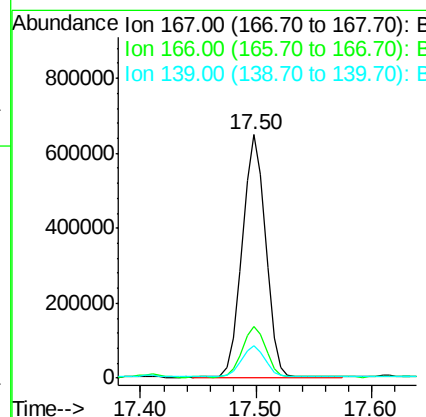
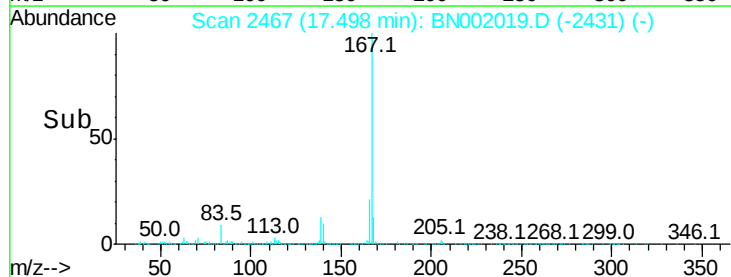
#72
 Carbazole
 Concen: 6.388 ng/ul
 RT: 17.50 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BN002019.D
 Acq: 11 Jul 2018 20:08

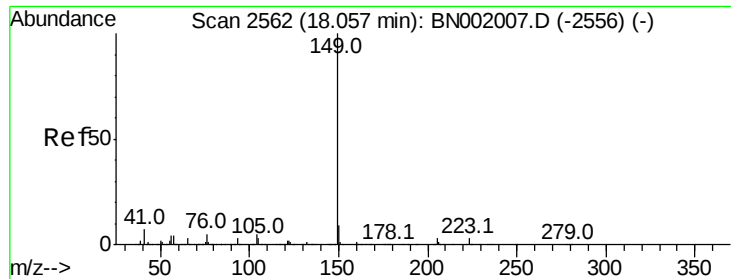
Tgt Ion:167 Resp: 908040

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.4
139	13.5	9.1	13.7



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 1.070 ng/ul

RT: 18.07 min Scan# 2564

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

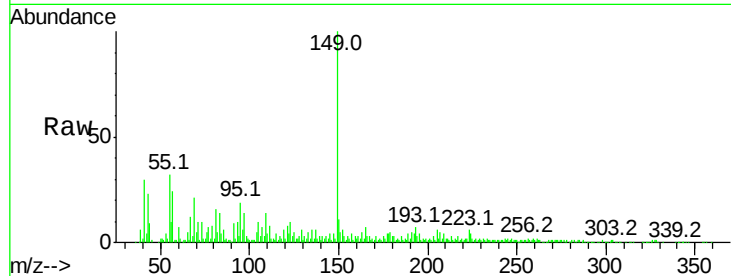
Tot Ion:149 Resp: 192143

Ion Ratio Lower Upper

149 100

150 11.2 7.5 11.3

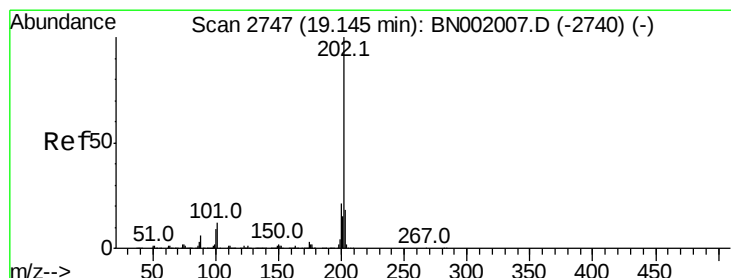
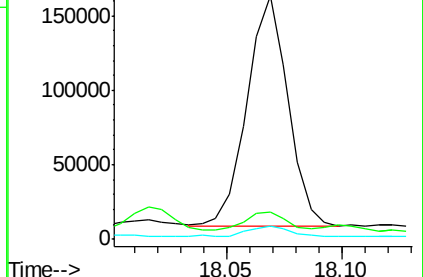
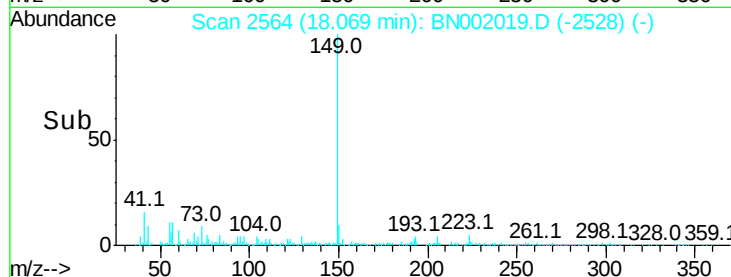
104 5.2 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 77.649 ng/ul

RT: 19.16 min Scan# 2750

Delta R.T. 0.02 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

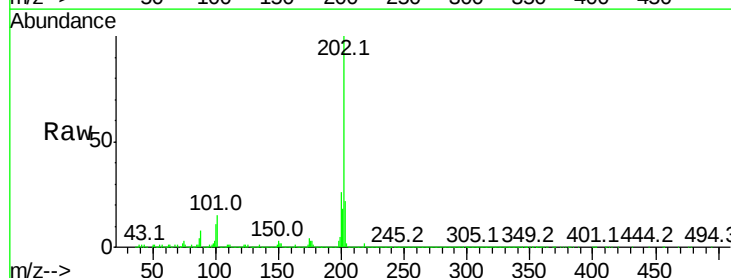
Tgt Ion:202 Resp:13683139

Ion Ratio Lower Upper

202 100

101 14.9 6.1 9.1#

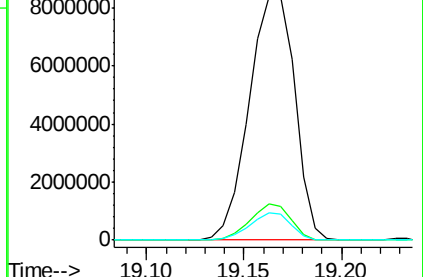
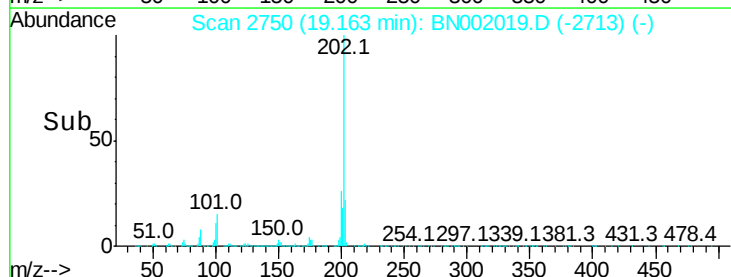
100 11.4 4.6 7.0#

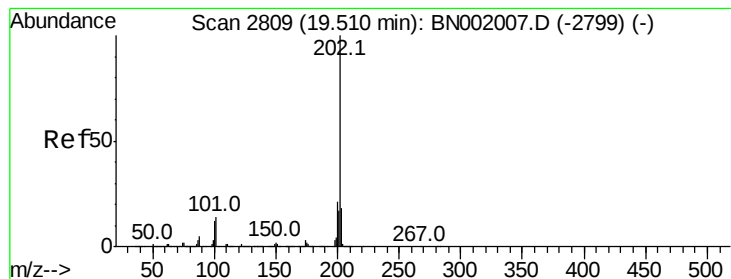


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 96.475 ng/ul

RT: 19.53 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

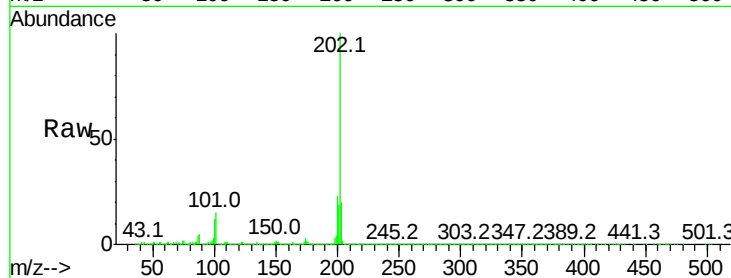
Tot Ion:202 Resp:11477129

Ion Ratio Lower Upper

202 100

101 15.1 6.9 10.3#

100 12.5 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): E

1e+07

8000000

6000000

4000000

2000000

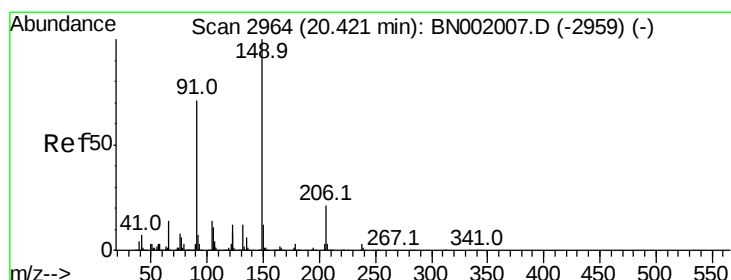
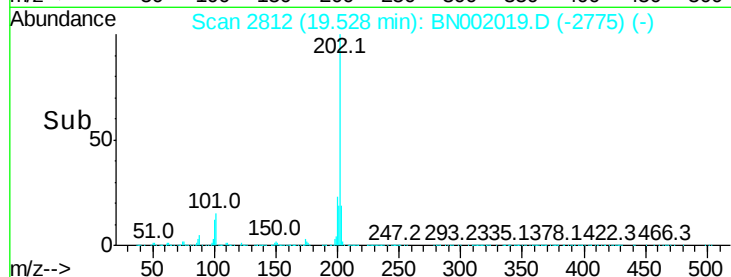
0

19.53

19.50

19.60

Time-->



#78

Butylbenzylphthalate

Concen: 2.067 ng/ul

RT: 20.43 min Scan# 2966

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

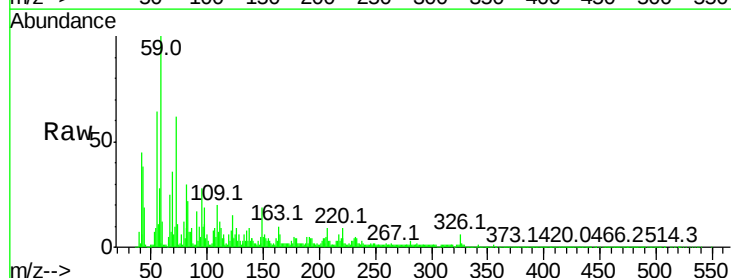
Tgt Ion:149 Resp: 104924

Ion Ratio Lower Upper

149 100

91 86.9 53.4 80.0#

206 23.4 19.3 28.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E

150000

100000

50000

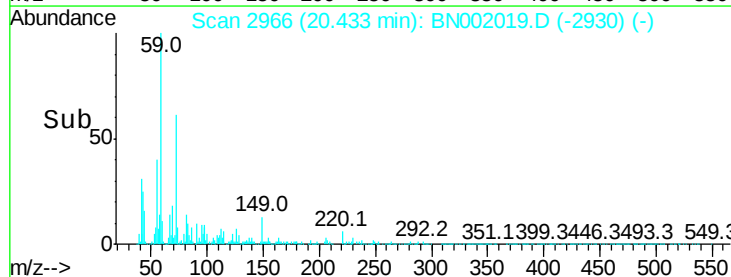
0

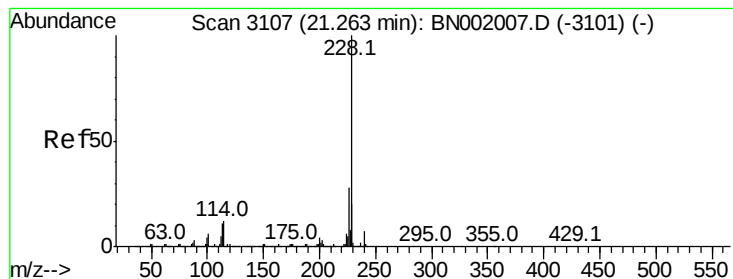
20.43

20.40

20.45

Time-->





#80

Benzo(a)anthracene

Concen: 47.743 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.02 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

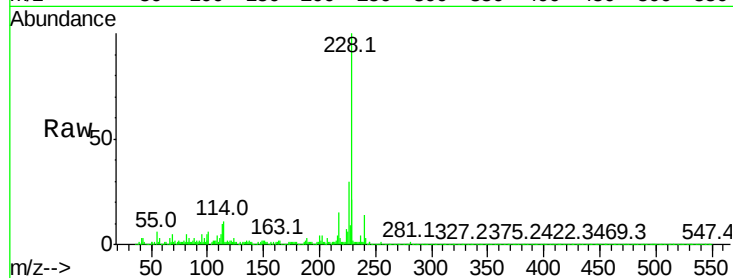
Tot Ion:228 Resp: 5736025

Ion Ratio Lower Upper

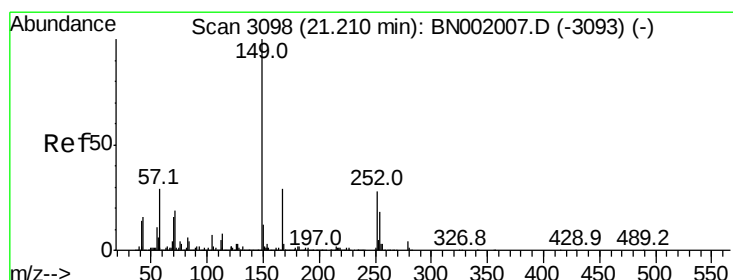
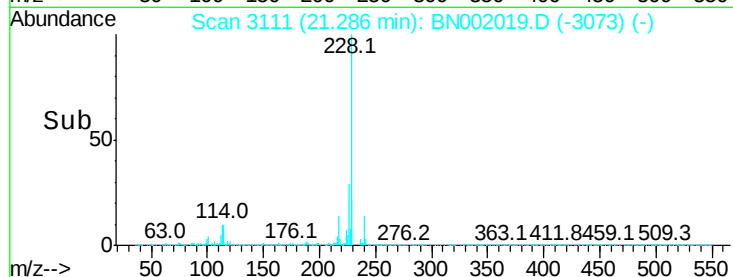
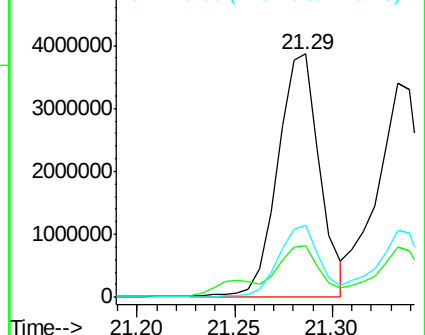
228 100

229 21.3 16.0 24.0

226 29.5 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: 7.607 ng/ul

RT: 21.22 min Scan# 3100

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

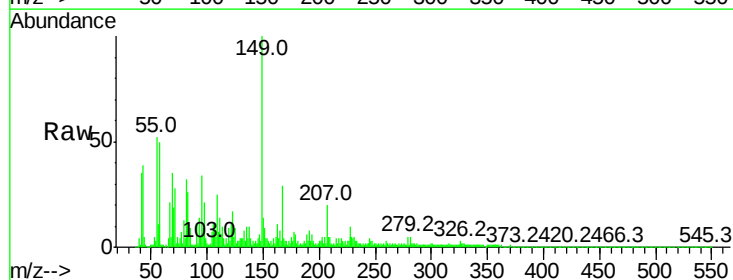
Tgt Ion:149 Resp: 575832

Ion Ratio Lower Upper

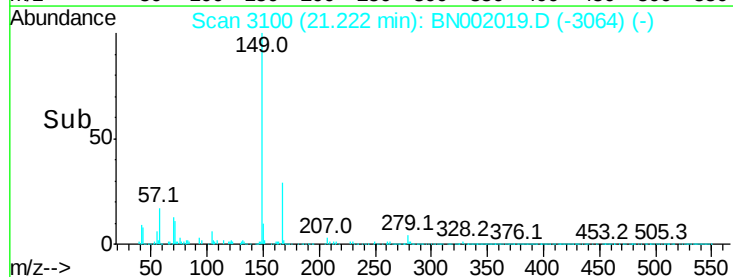
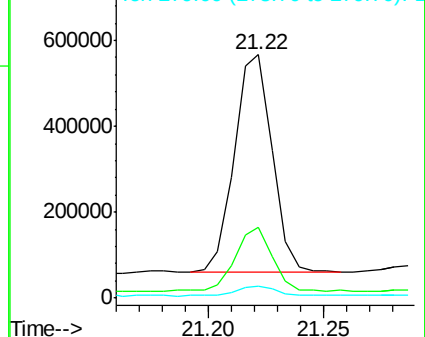
149 100

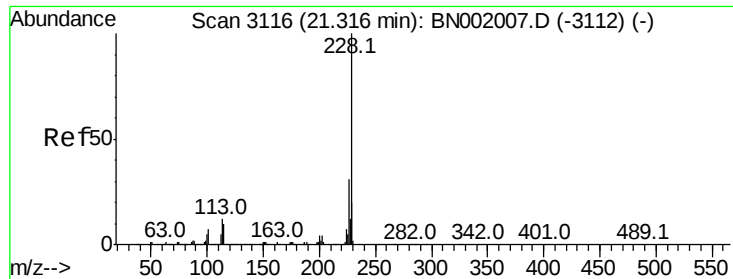
167 29.2 23.0 34.6

279 4.9 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: 47.154 ng/ul

RT: 21.33 min Scan# 3119

Delta R.T. 0.02 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

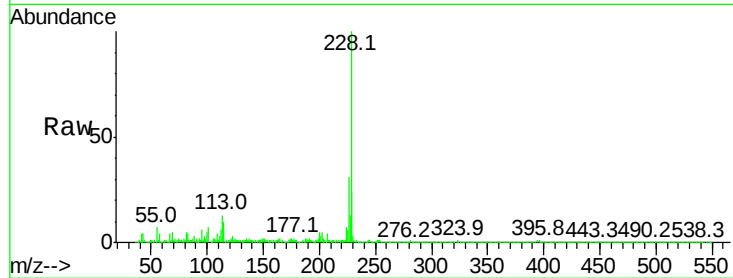
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 5271220

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.1	36.1
229	23.7	16.0	24.0

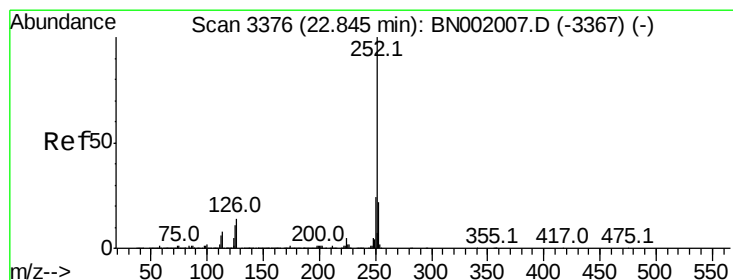
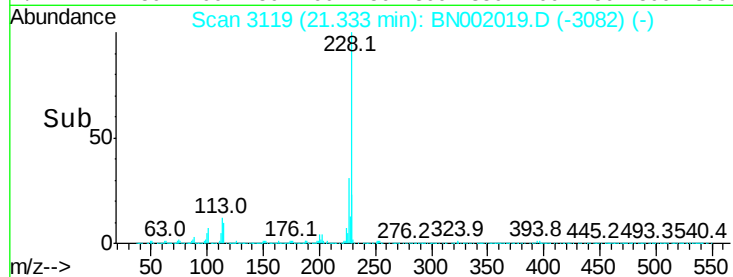
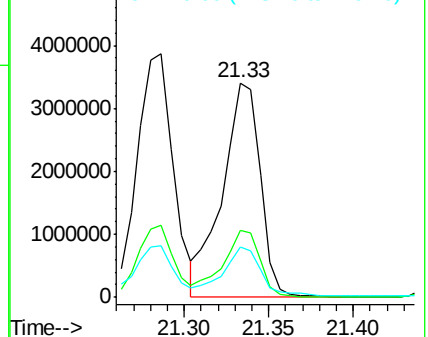


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 50.763 ng/ul

RT: 22.88 min Scan# 3382

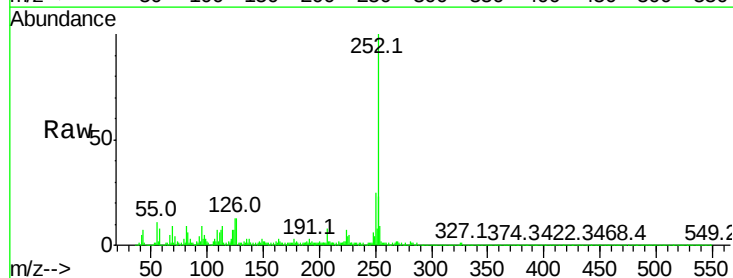
Delta R.T. 0.04 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Tgt Ion:252 Resp: 6085749

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	12.7	4.9	7.3

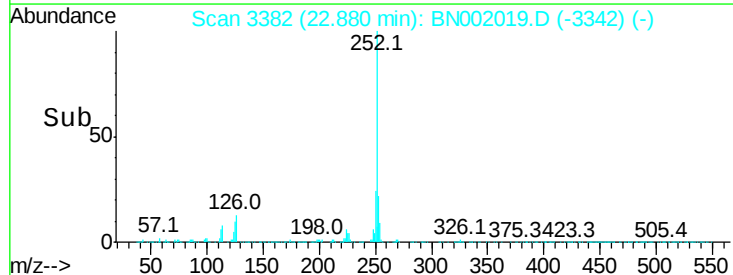
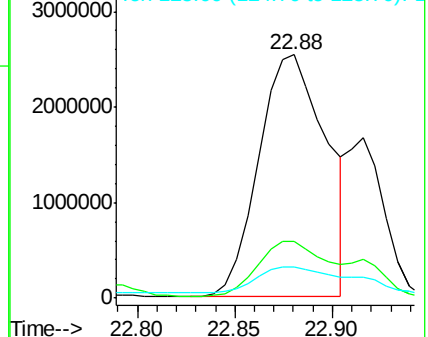


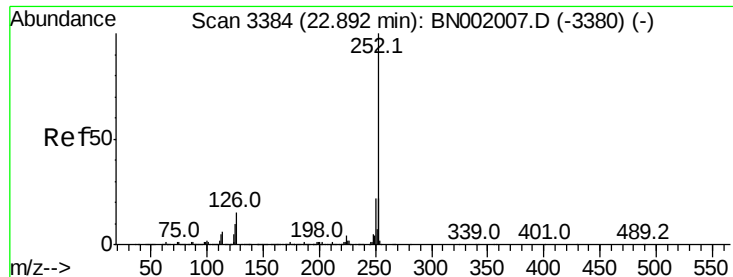
Abundance

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: 52.348 ng/ul

RT: 22.88 min Scan# 3382

Delta R.T. -0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

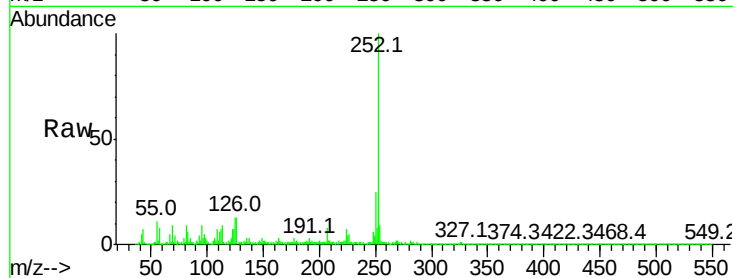
Tot Ion:252 Resp: 6085749

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

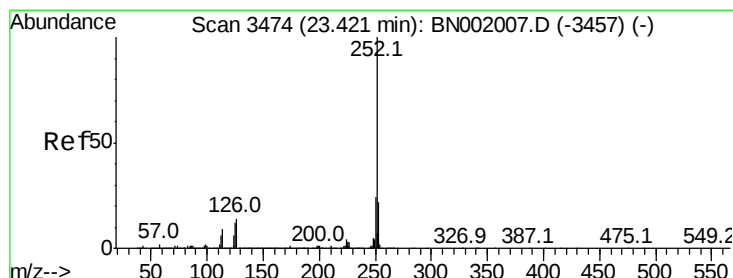
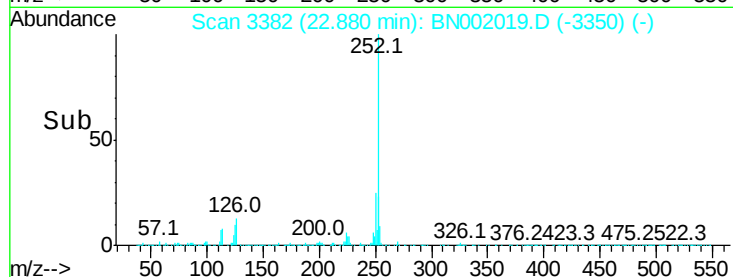
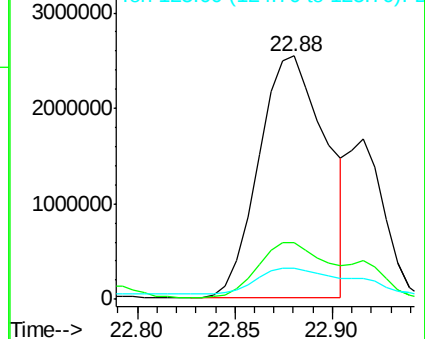
125 12.7 5.4 8.0#



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: 33.583 ng/ul

RT: 23.45 min Scan# 3479

Delta R.T. 0.03 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

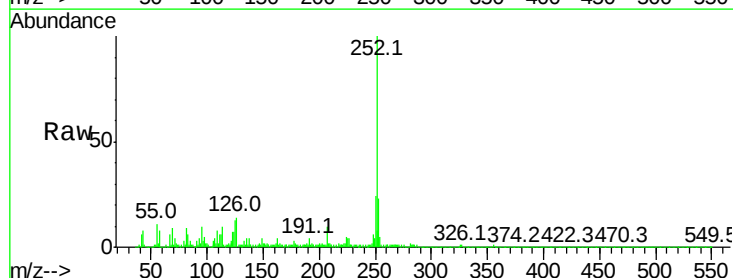
Tgt Ion:252 Resp: 3762361

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

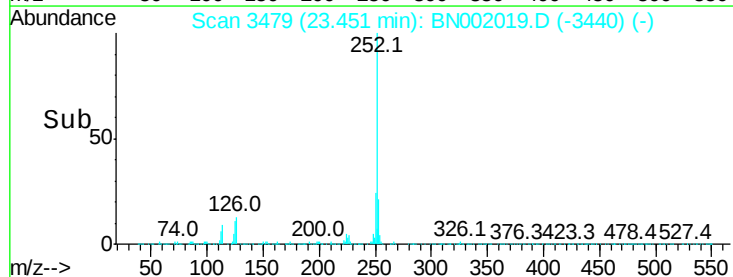
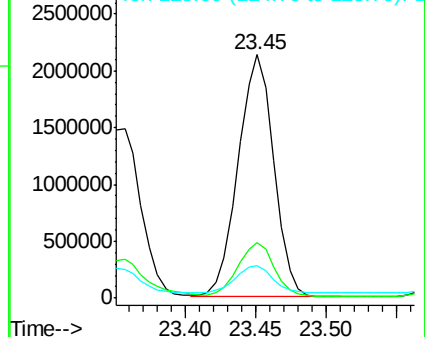
125 13.1 5.8 8.6#

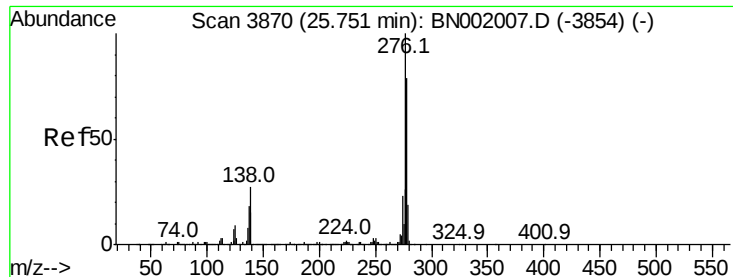


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



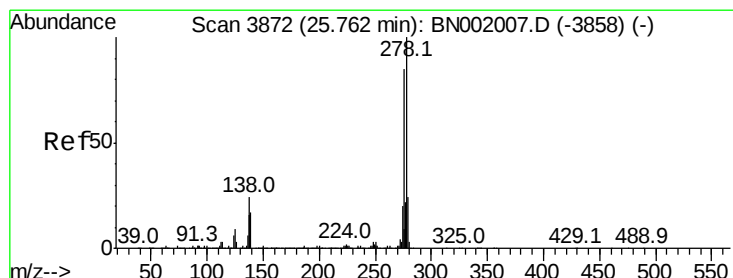
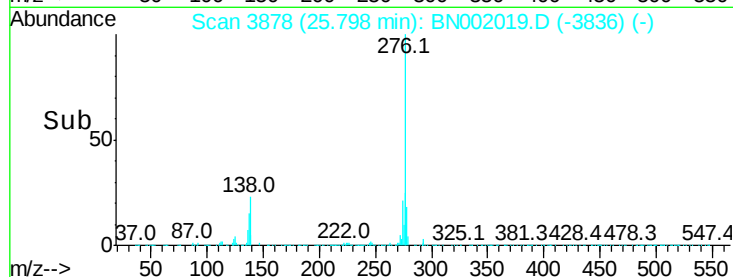
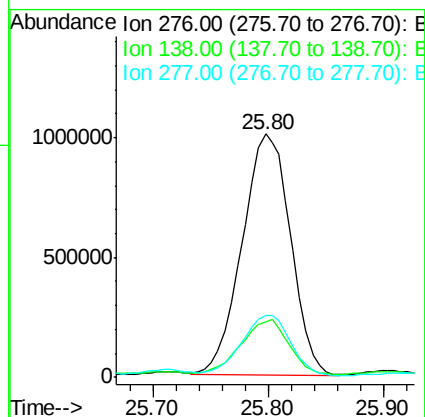
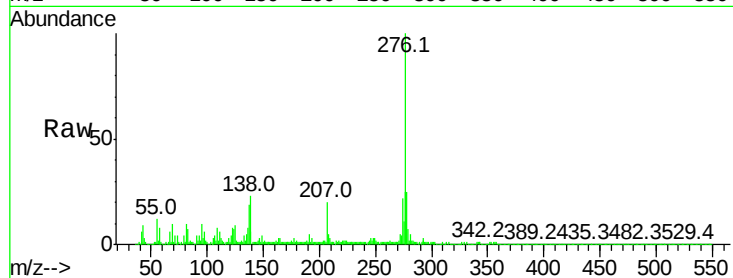


#89

Indeno(1,2,3-cd)pyrene
Concen: 24.631 ng/ul
RT: 25.80 min Scan# 3878
Delta R.T. 0.05 min
Lab File: BN002019.D
Acq: 11 Jul 2018 20:08

Instrument :
BNA_N
ClientSampleId :

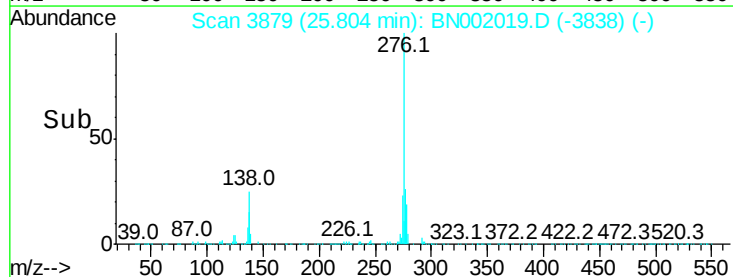
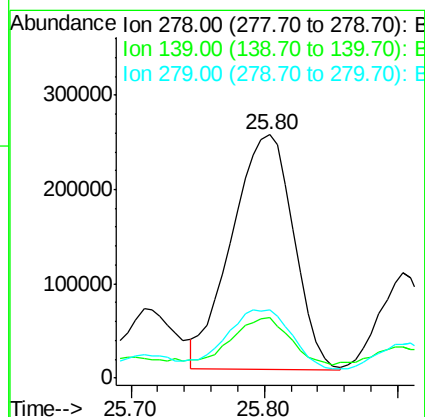
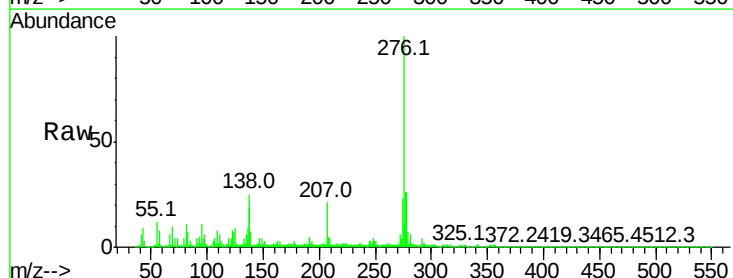
Tot Ion:276 Resp: 2936280
Ion Ratio Lower Upper
276 100
138 23.0 10.9 16.3#
277 25.5 18.9 28.3

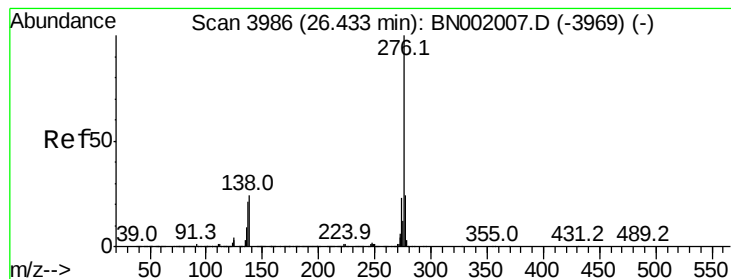


#90

Dibenzo(a,h)anthracene
Concen: 8.091 ng/ul
RT: 25.80 min Scan# 3879
Delta R.T. 0.04 min
Lab File: BN002019.D
Acq: 11 Jul 2018 20:08

Tgt Ion:278 Resp: 802698
Ion Ratio Lower Upper
278 100
139 24.8 9.0 13.4#
279 28.2 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 24.784 ng/ul

RT: 26.49 min Scan# 3995

Delta R.T. 0.05 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

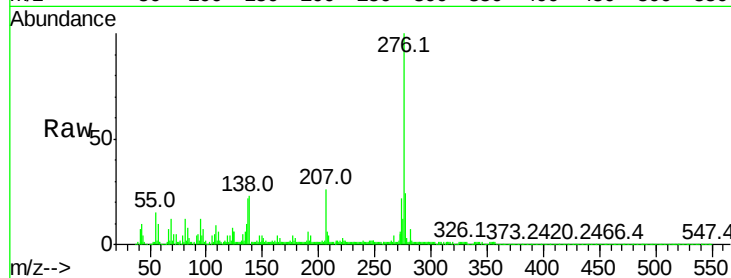
Tot Ion:276 Resp: 2437234

Ion Ratio Lower Upper

276 100

138 22.9 11.2 16.8#

277 23.8 19.0 28.6



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

