

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122718\
 Data File : BN004250.D
 Acq On : 27 Dec 2018 21:09
 Operator : JU/SJ
 Sample : J6441-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BF023

Quant Time: Dec 28 03:14:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 28 03:12:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	38125	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	181066	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	99806	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.21	188	227816	20.00	ng/ul	0.00
77) Chrysene-d12	21.40	240	287736	20.00	ng/ul	0.00
85) Perylene-d12	23.72	264	254835	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	2746	4.71	ng/uL	0.00
5) Phenol-d5	6.99	99	67300	17.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	42043	20.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	53722	18.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	58320	18.57	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	32066	22.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	25093	15.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	46298	15.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	77093	27.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	197279	22.14	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	253768	24.01	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.45	176	179752	23.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.30	188	259156	22.51	ng/ul	0.00
78) Pyrene-d10	19.60	212	298667	23.20	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.57	264	313623	22.69	ng/ul	0.01

Target Compounds

					Qvalue	
4) Benzaldehyde	6.96	77	1193	1.862	ng/ul#	1
6) Phenol	7.02	94	13517	3.573	ng/ul	97
44) Dimethylphthalate	13.91	163	32797	3.771	ng/ul	98
49) Acenaphthene	14.52	153	17627	2.458	ng/ul	97
58) Fluorene	15.50	166	21434	2.529	ng/ul	98
69) Phenanthrene	17.25	178	355482	27.006	ng/ul	99
71) Anthracene	17.34	178	91360	6.771	ng/ul	99
74) Carbazole	17.62	167	20920	1.687	ng/ul	96
75) Di-n-butylphthalate	18.15	149	71149	4.869	ng/ul	99
76) Fluoranthene	19.27	202	663261	41.109	ng/ul	99
79) Pyrene	19.64	202	736019	45.787	ng/ul	98
80) Butylbenzylphthalate	20.52	149	9884	1.376	ng/ul	86
82) Benzo(a)anthracene	21.39	228	442647	24.670	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.28	149	83367	7.598	ng/ul	99
84) Chrysene	21.44	228	419029	24.933	ng/ul	98
87) Benzo(b)fluoranthene	23.02	252	485487	31.803	ng/ul#	96
88) Benzo(k)fluoranthene	23.02	252	485487	33.965	ng/ul#	96
90) Benzo(a)pyrene	23.62	252	348774	23.724	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	26.09	276	226768	11.833	ng/ul	96
92) Dibenzo(a,h)anthracene	26.09	278	62692	3.935	ng/ul#	81
93) Benzo(g,h,i)perylene	26.82	276	192423	11.997	ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 28 03:12:04 2018
Response via : Initial Calibration

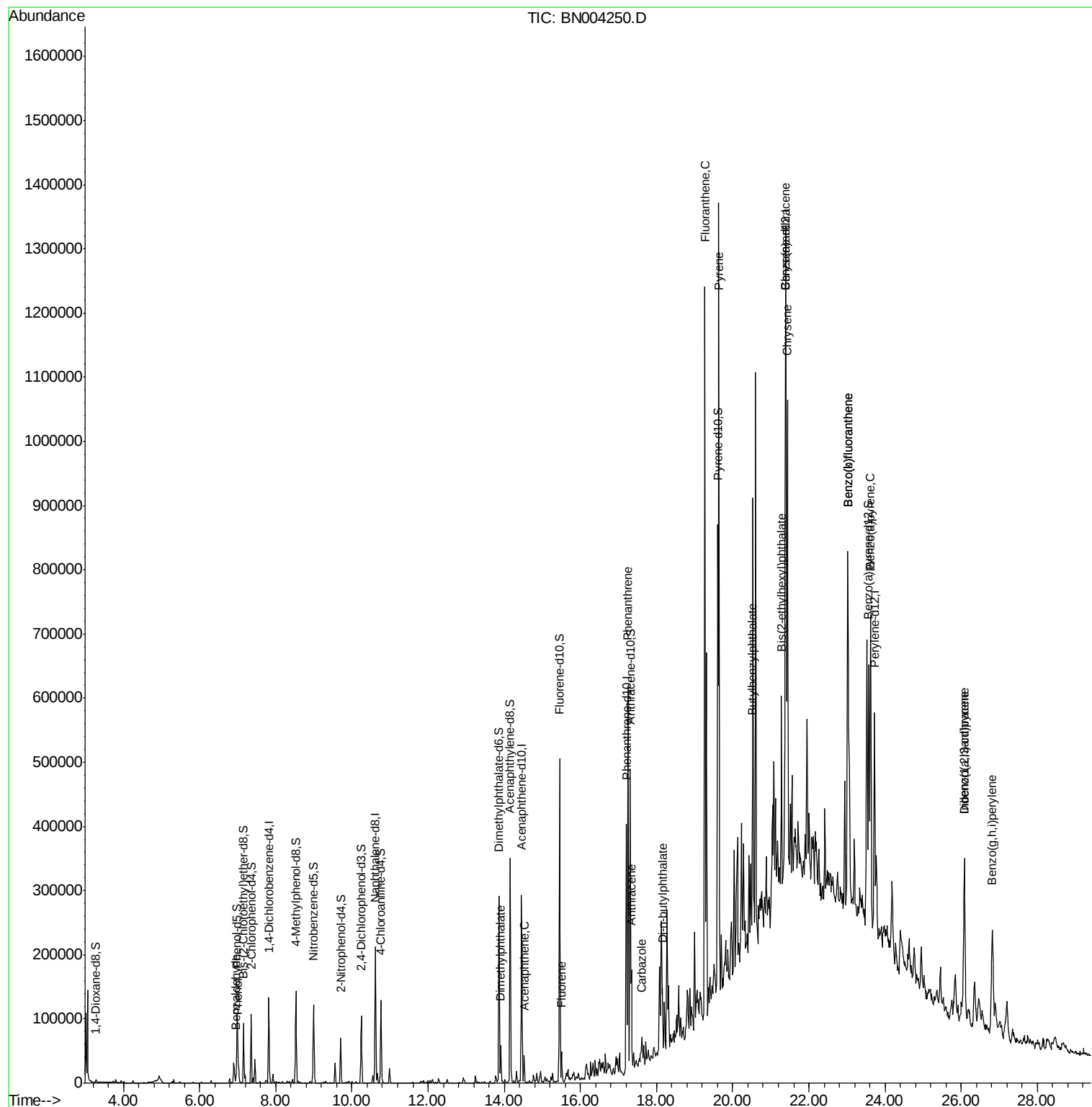
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

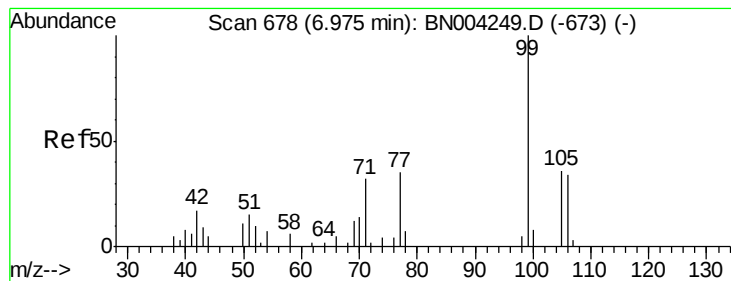
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : SVOA CALIBRATION
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#4

Benzaldehyde

Concen: 1.862 ng/ul

RT: 6.96 min Scan# 675

Delta R.T. -0.02 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

Instrument :

BNA_N

ClientSampleId :

BF023

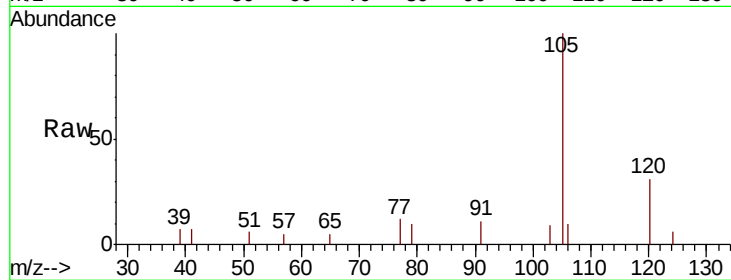
Tgt Ion: 77 Resp: 1193

Ion Ratio Lower Upper

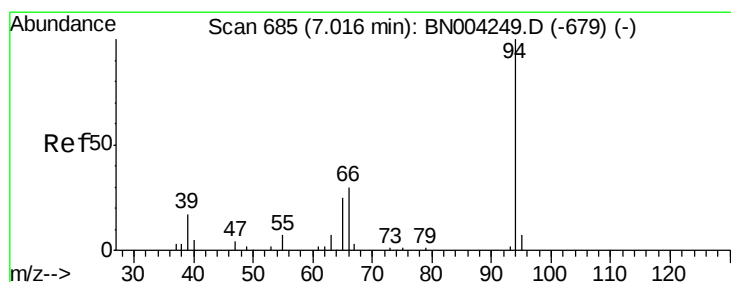
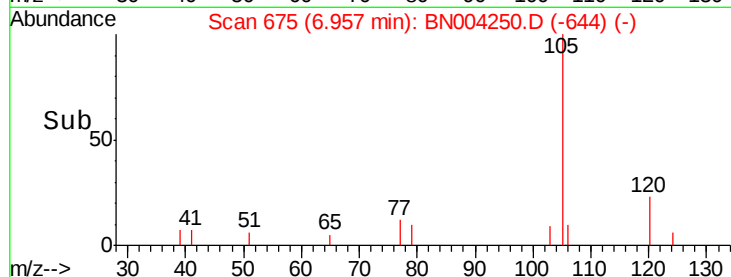
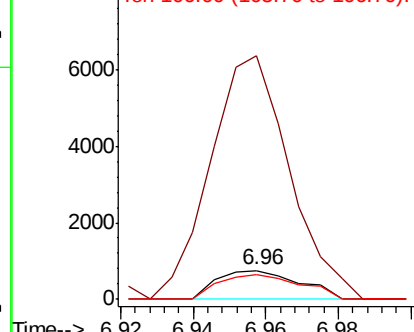
77 100

105 850.7 80.2 120.4#

106 84.9 78.8 118.2



Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 105.00 (104.70 to 105.70): BNC
Ion 106.00 (105.70 to 106.70): BNC



#6

Phenol

Concen: 3.573 ng/ul

RT: 7.02 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

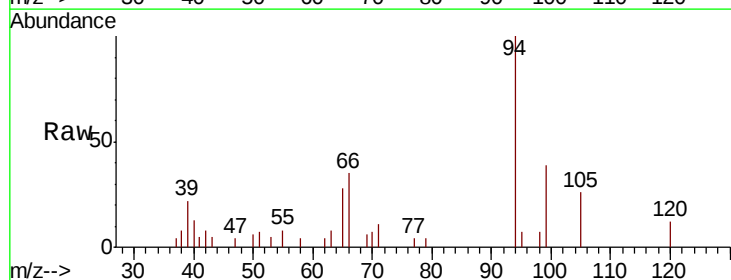
Tgt Ion: 94 Resp: 13517

Ion Ratio Lower Upper

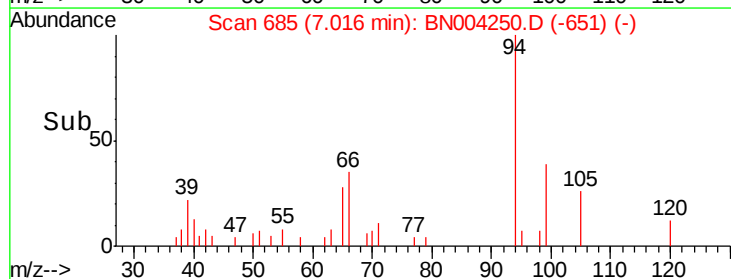
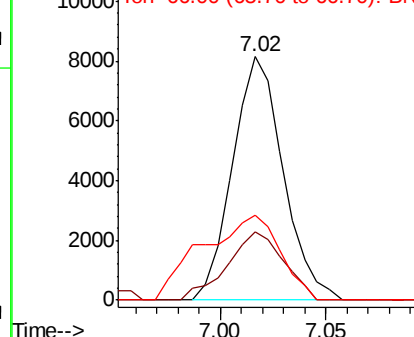
94 100

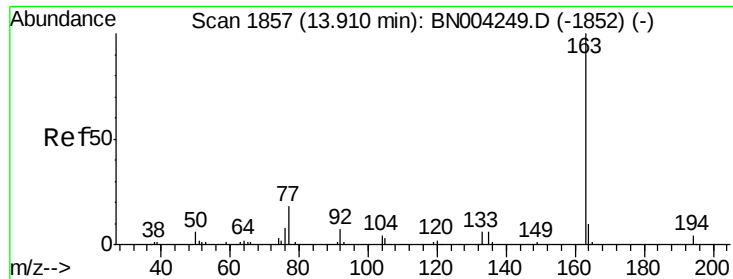
65 28.1 21.2 31.8

66 35.0 26.9 40.3



Abundance Ion 94.00 (93.70 to 94.70): BNC
Ion 65.00 (64.70 to 65.70): BNC
Ion 66.00 (65.70 to 66.70): BNC





#44

Dimethylphthalate

Concen: 3.771 ng/ul

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

Instrument :

BNA_N

ClientSampleId :

BF023

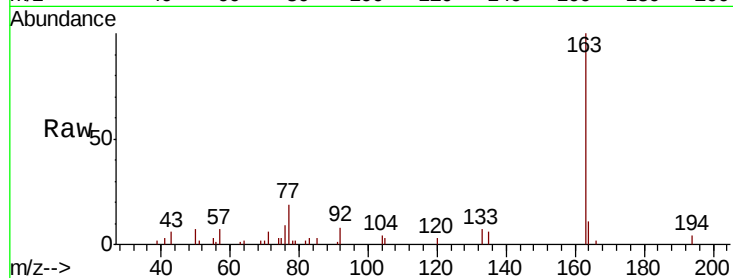
Tgt Ion:163 Resp: 32797

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

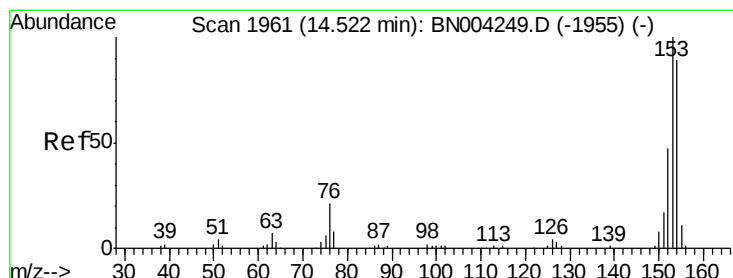
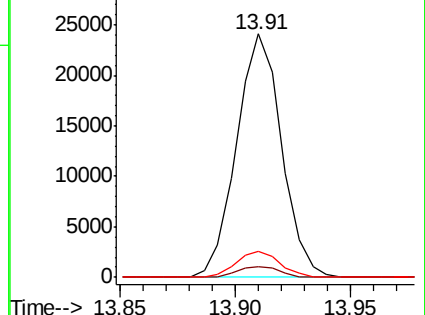
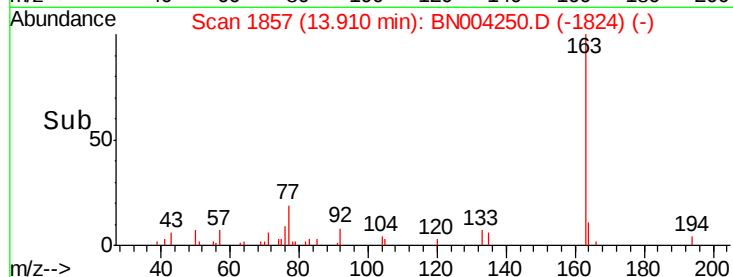
164 10.6 7.9 11.9



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: 2.458 ng/ul

RT: 14.52 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

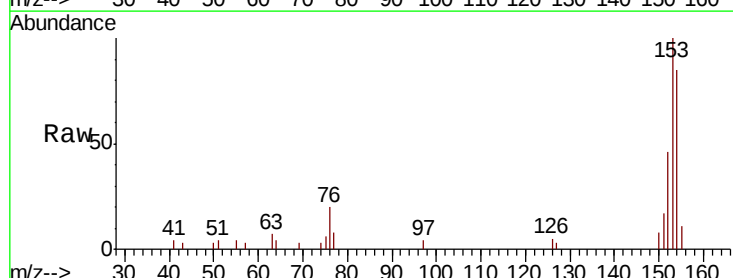
Tgt Ion:153 Resp: 17627

Ion Ratio Lower Upper

153 100

152 46.2 37.8 56.6

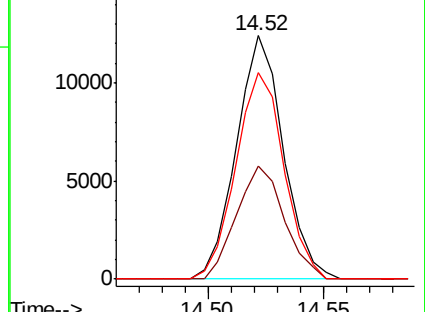
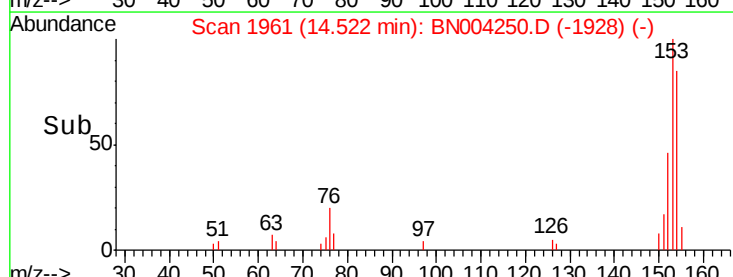
154 85.1 71.0 106.6

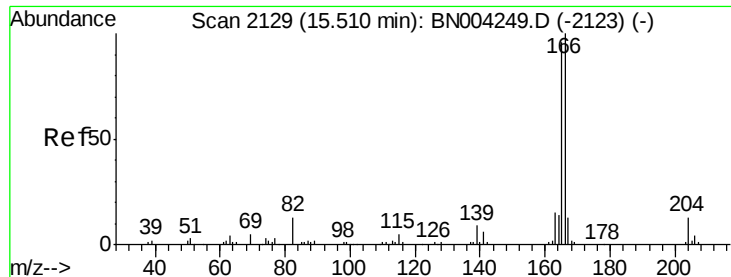


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 2.529 ng/ul

RT: 15.50 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

Instrument :

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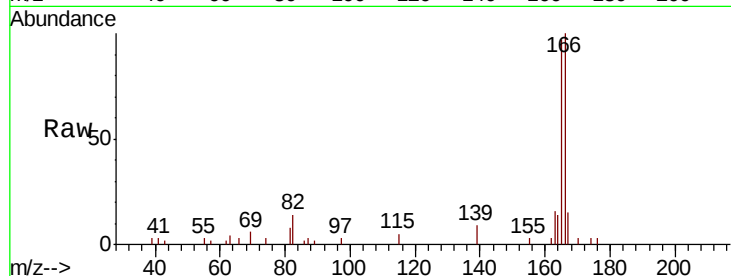
Tgt Ion:166 Resp: 21434

Ion Ratio Lower Upper

166 100

165 96.8 78.6 117.8

167 15.4 10.3 15.5

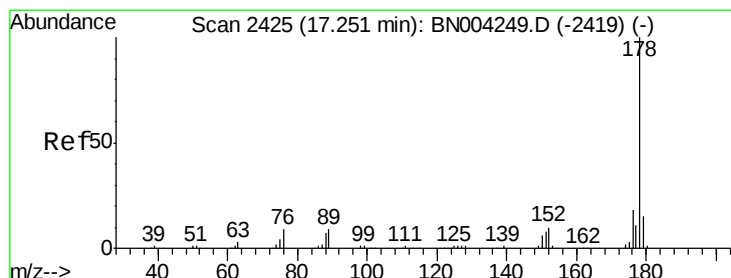
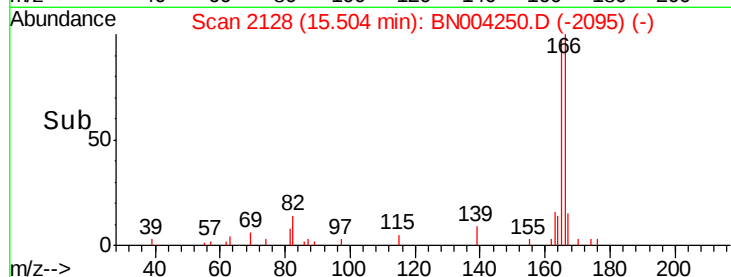
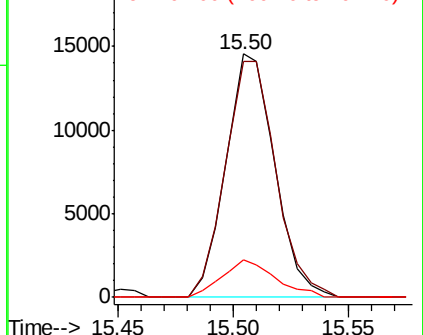


Abundance

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: 27.006 ng/ul

RT: 17.25 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

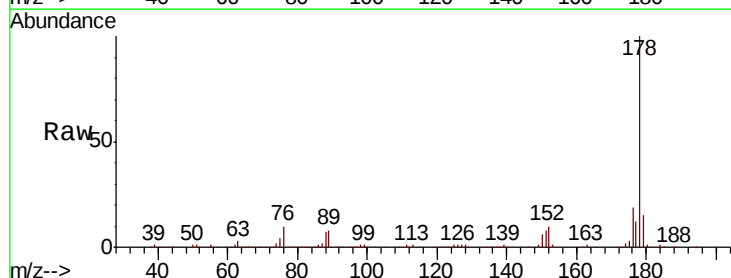
Tgt Ion:178 Resp: 355482

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

176 19.0 15.0 22.6

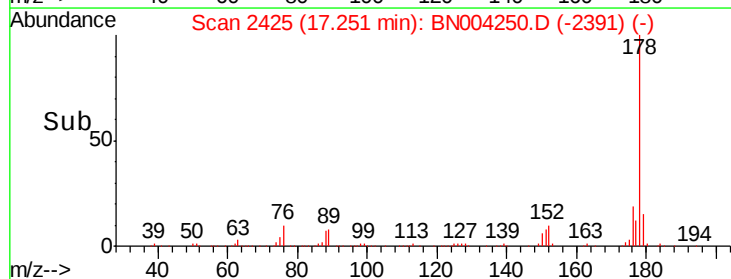
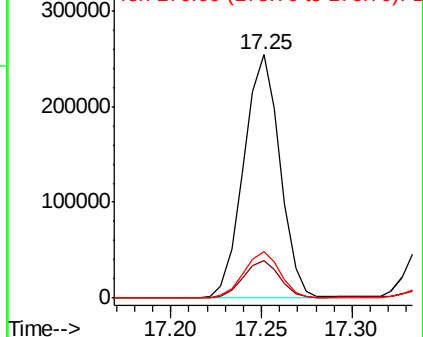


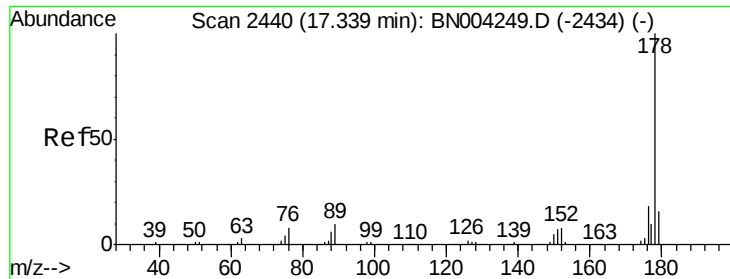
Abundance

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

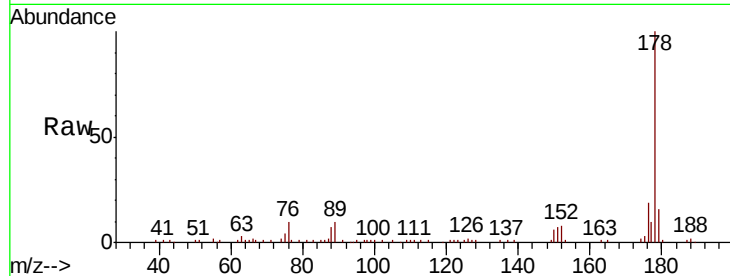




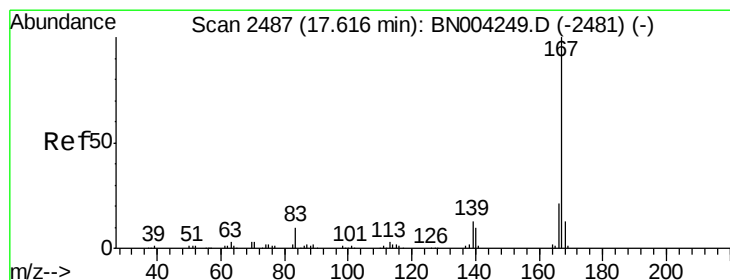
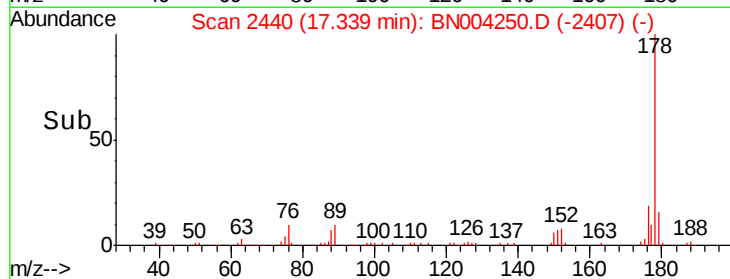
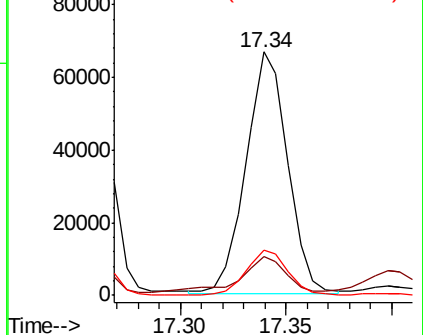
#71
 Anthracene
 Concen: 6.771 ng/ul
 RT: 17.34 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BN004250.D
 Acq: 27 Dec 2018 21:09

Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion:178 Resp: 91360
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.1 18.1
 176 18.6 15.2 22.8

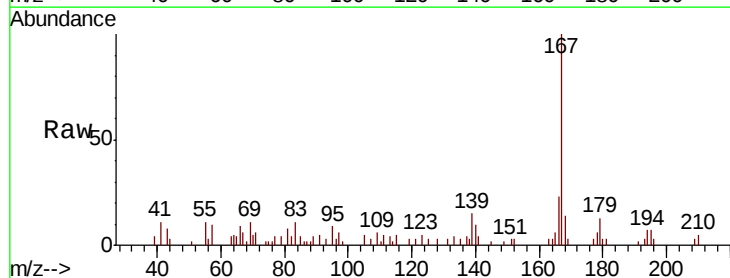


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

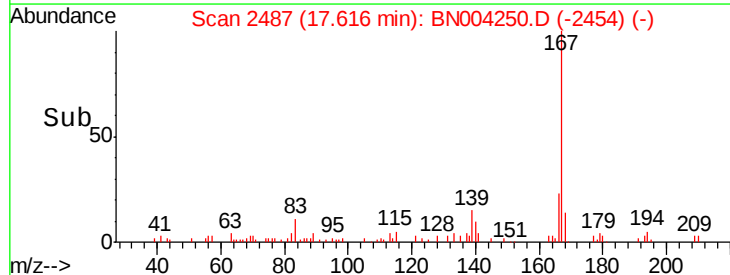
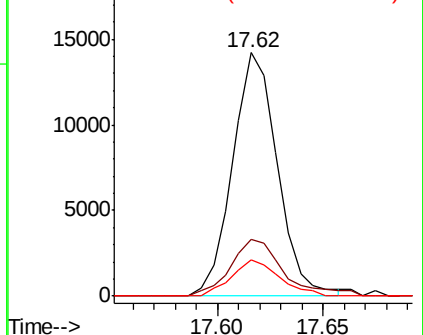


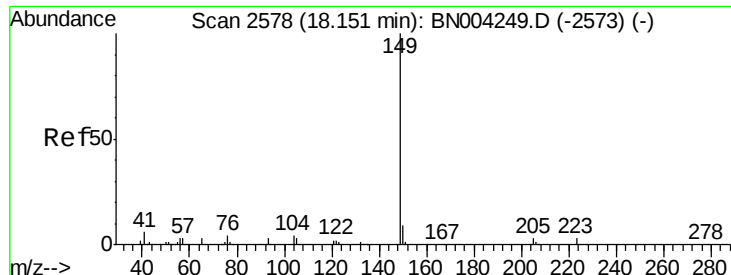
#74
 Carbazole
 Concen: 1.687 ng/ul
 RT: 17.62 min Scan# 2487
 Delta R.T. -0.01 min
 Lab File: BN004250.D
 Acq: 27 Dec 2018 21:09

Tgt Ion:167 Resp: 20920
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.4 26.0
 139 14.8 10.2 15.2



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

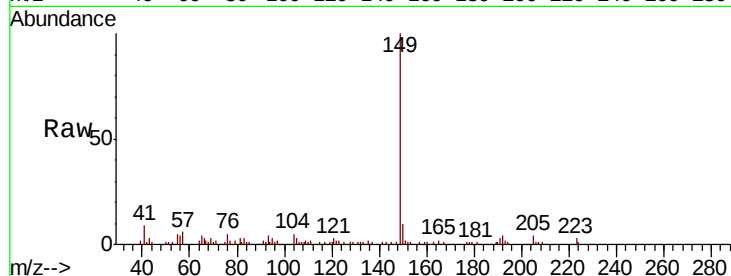




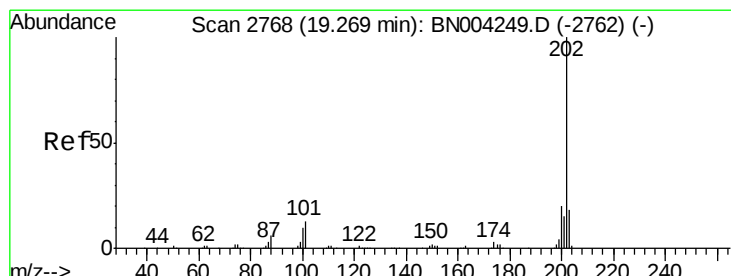
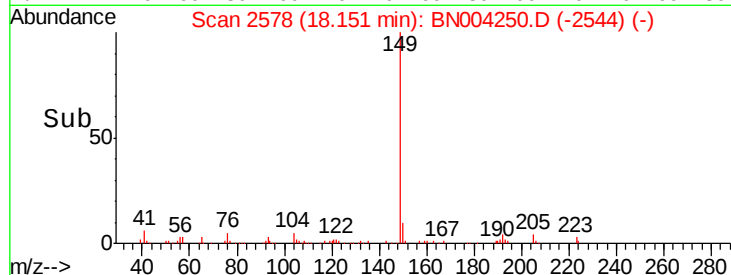
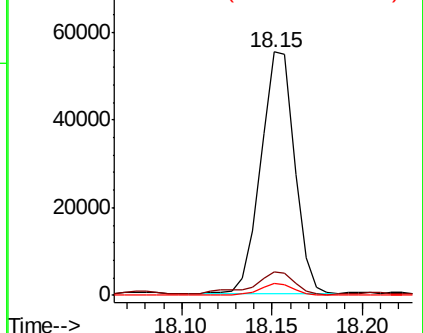
#75
Di-n-butylphthalate
Concen: 4.869 ng/ul
RT: 18.15 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BN004250.D
Acq: 27 Dec 2018 21:09

Instrument :
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Tgt Ion:149 Resp: 71149
Ion Ratio Lower Upper
149 100
150 9.7 7.3 10.9
104 4.8 3.6 5.4

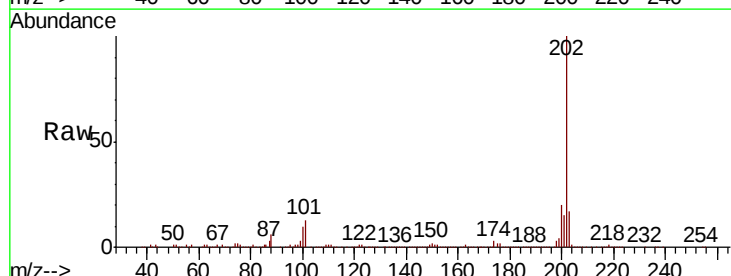


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

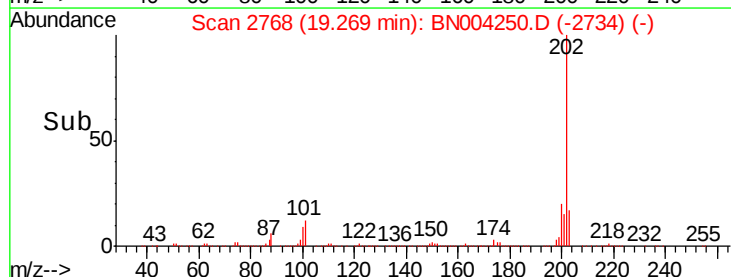
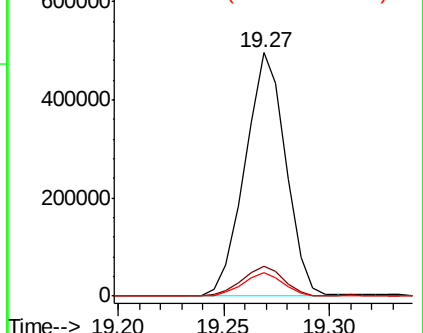


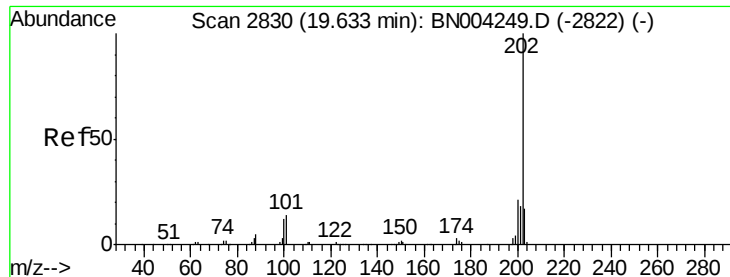
#76
Fluoranthene
Concen: 41.109 ng/ul
RT: 19.27 min Scan# 2768
Delta R.T. -0.00 min
Lab File: BN004250.D
Acq: 27 Dec 2018 21:09

Tgt Ion:202 Resp: 663261
Ion Ratio Lower Upper
202 100
101 12.5 10.2 15.2
100 9.6 7.8 11.8



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





#79

Pyrene

Concen: 45.787 ng/ul

RT: 19.64 min Scan# 2831

Delta R.T. 0.01 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

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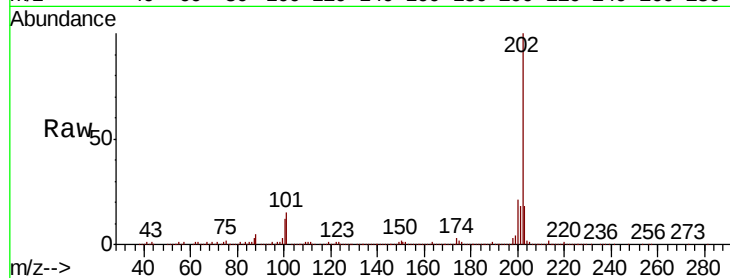
Tgt Ion:202 Resp: 736019

Ion Ratio Lower Upper

202 100

101 14.5 12.2 18.2

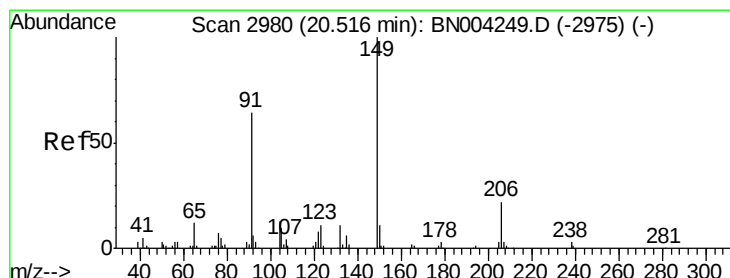
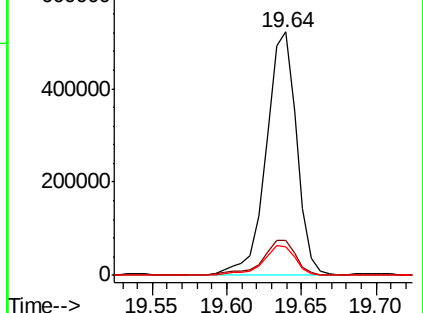
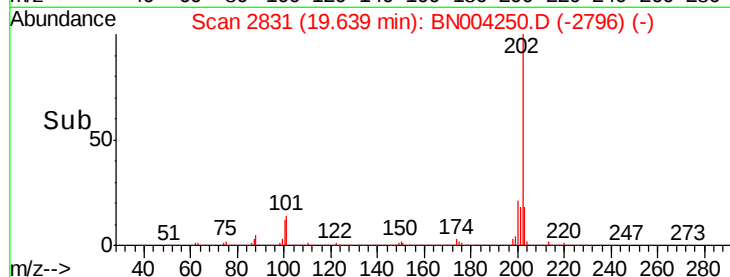
100 11.9 9.9 14.9



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: 1.376 ng/ul

RT: 20.52 min Scan# 2980

Delta R.T. 0.01 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

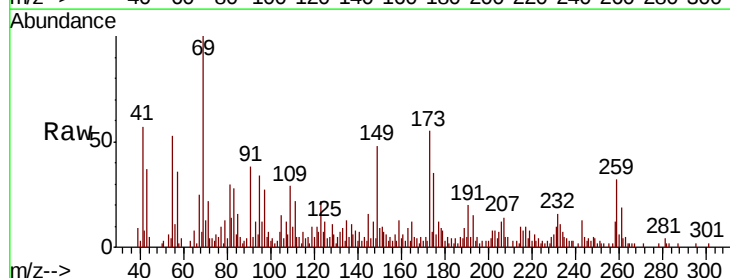
Tgt Ion:149 Resp: 9884

Ion Ratio Lower Upper

149 100

91 78.7 53.0 79.4

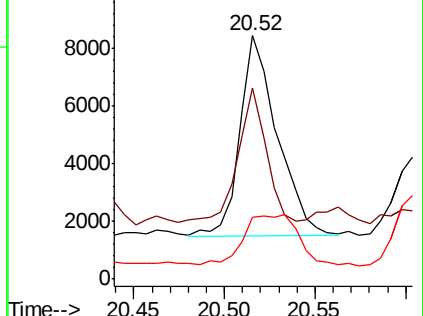
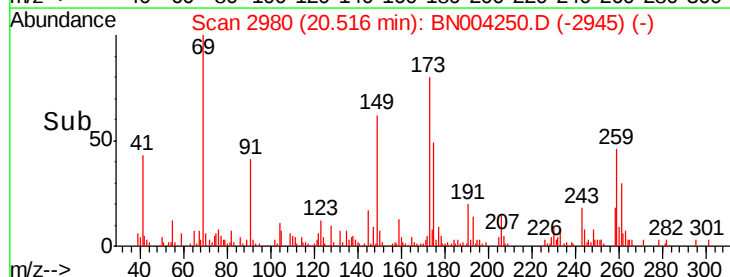
206 25.5 17.1 25.7

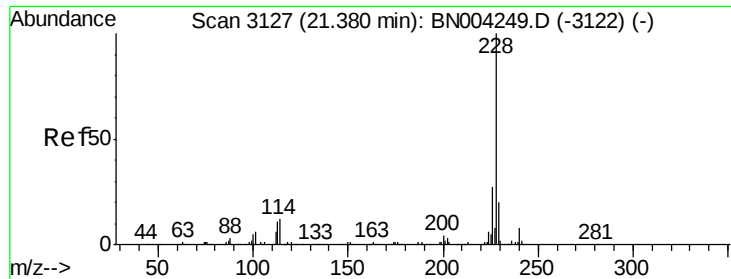


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E

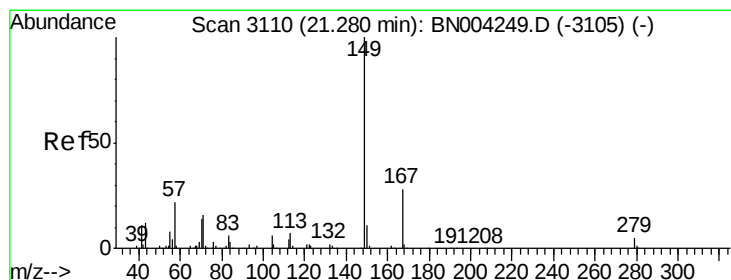
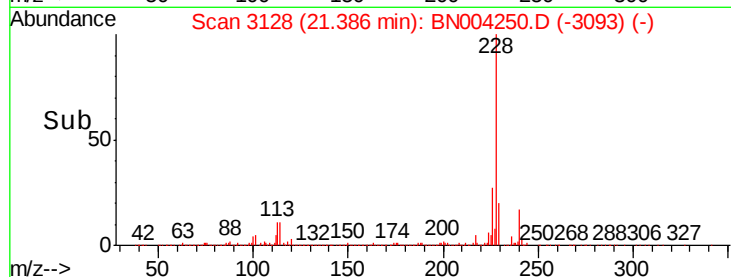
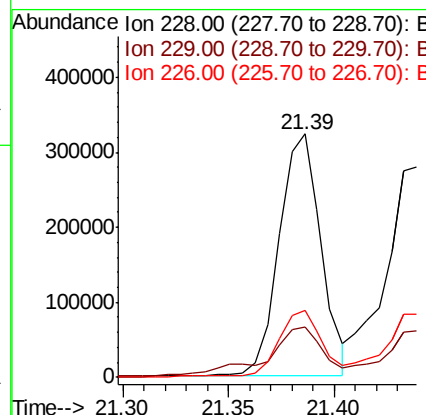
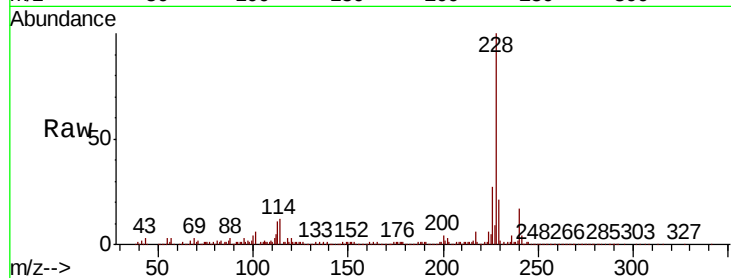




#82
Benzo(a)anthracene
Concen: 24.670 ng/ul
RT: 21.39 min Scan# 3128
Delta R.T. 0.01 min
Lab File: BN004250.D
Acq: 27 Dec 2018 21:09

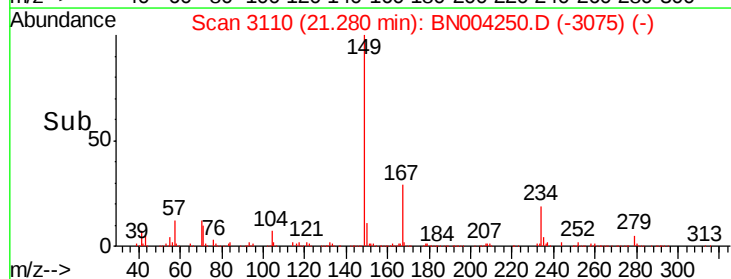
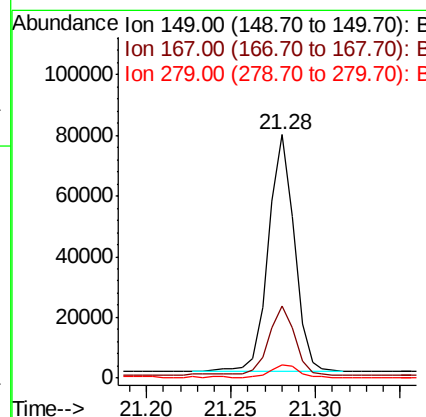
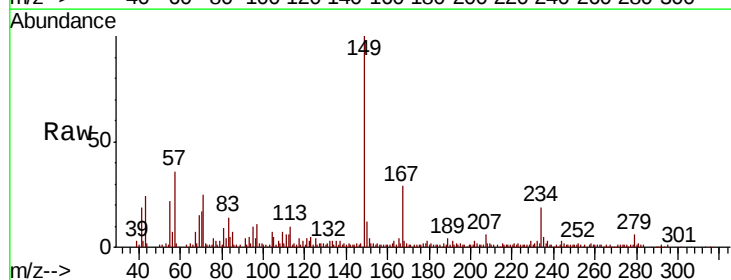
Instrument :
BNA_N
ClientSampleId :
BF023

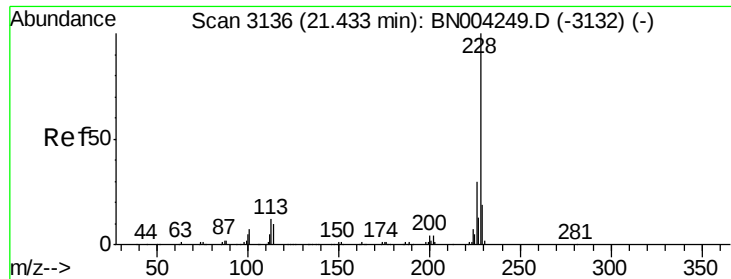
Tgt Ion:228 Resp: 442647
Ion Ratio Lower Upper
228 100
229 20.9 15.9 23.9
226 27.5 21.4 32.2



#83
Bis(2-ethylhexyl)phthalate
Concen: 7.598 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BN004250.D
Acq: 27 Dec 2018 21:09

Tgt Ion:149 Resp: 83367
Ion Ratio Lower Upper
149 100
167 29.4 23.0 34.4
279 5.7 4.4 6.6





#84

Chrysene

Concen: 24.933 ng/ul

RT: 21.44 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

Instrument :

BNA_N

ClientSampleId :

BF023

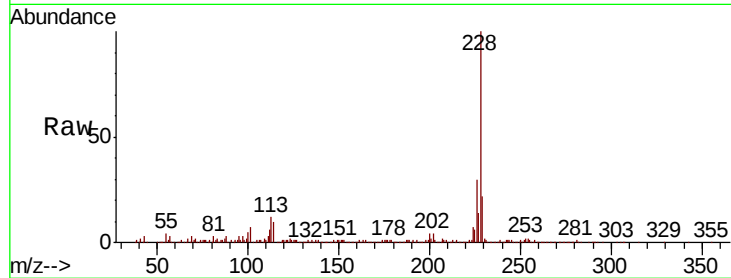
Tgt Ion:228 Resp: 419029

Ion Ratio Lower Upper

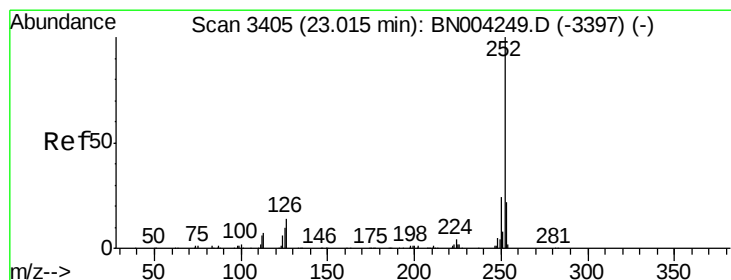
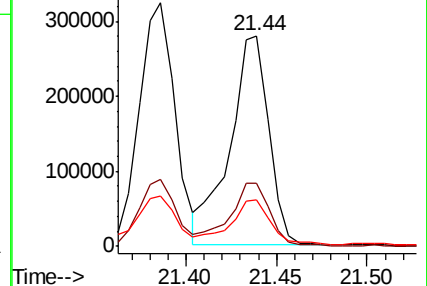
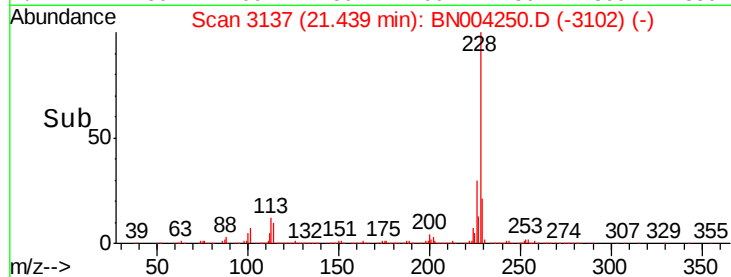
228 100

226 29.9 23.8 35.8

229 22.1 15.8 23.6



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



#87

Benzo(b)fluoranthene

Concen: 31.803 ng/ul

RT: 23.02 min Scan# 3406

Delta R.T. 0.01 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

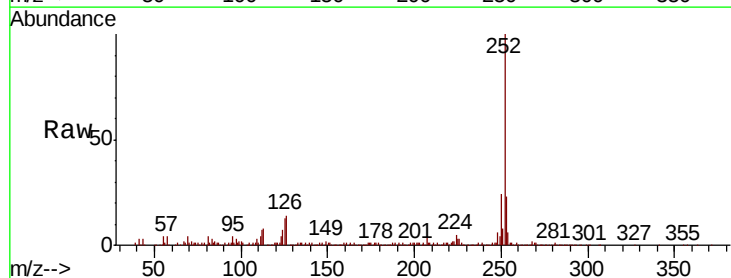
Tgt Ion:252 Resp: 485487

Ion Ratio Lower Upper

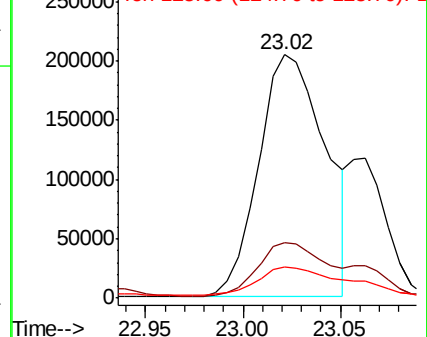
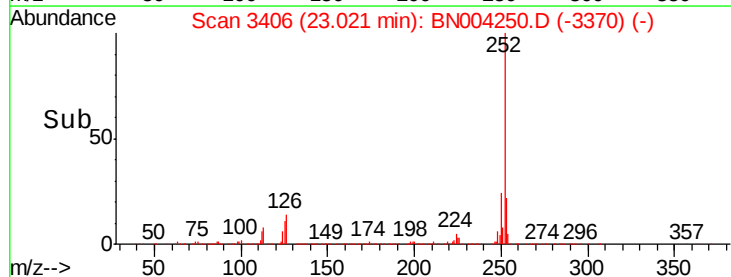
252 100

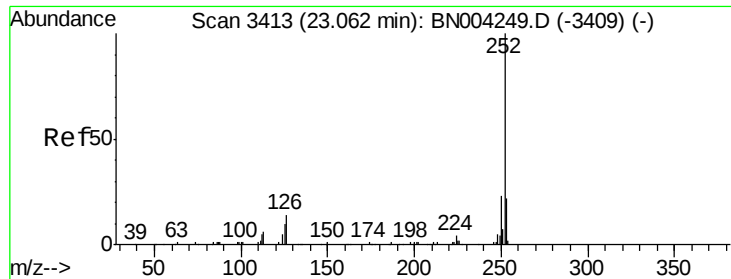
253 22.9 17.3 25.9

125 12.6 8.2 12.4#



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(k)fluoranthene

Concen: 33.965 ng/ul

RT: 23.02 min Scan# 3406

Delta R.T. -0.04 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

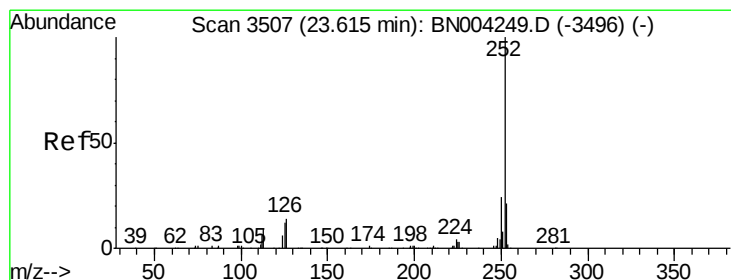
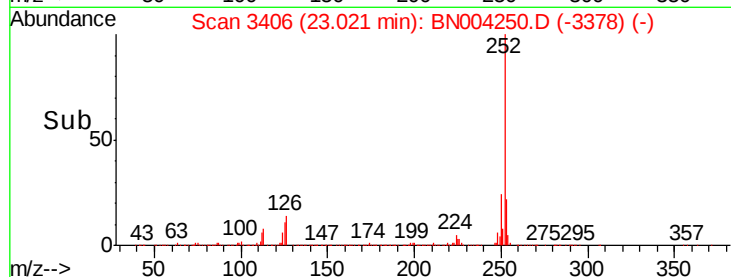
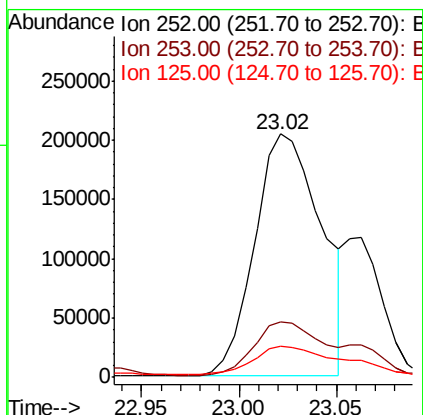
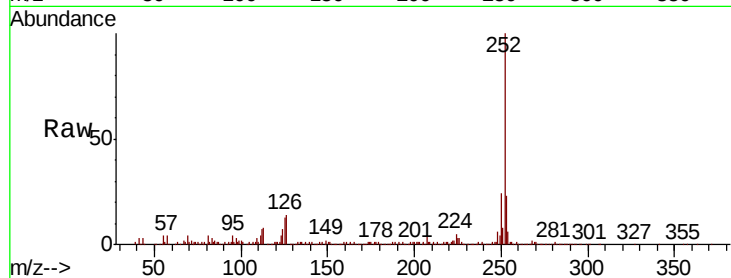
Instrument :

BNA_N

ClientSampled :

BF023

Tgt Ion:	252	Resp:	485487
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	12.6	7.9	11.9#



#90

Benzo(a)pyrene

Concen: 23.724 ng/ul

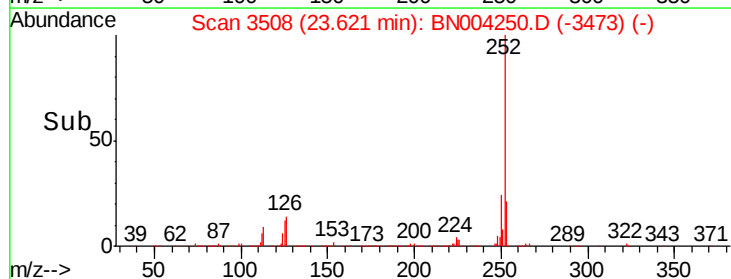
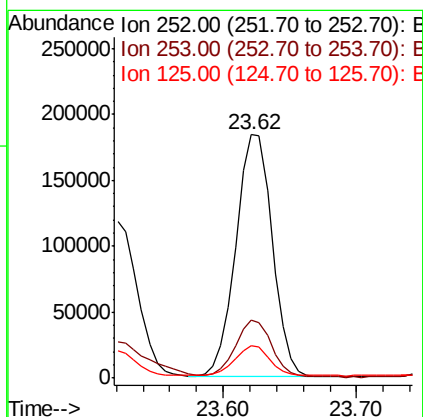
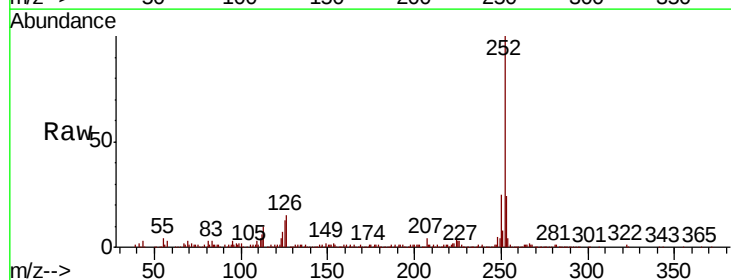
RT: 23.62 min Scan# 3508

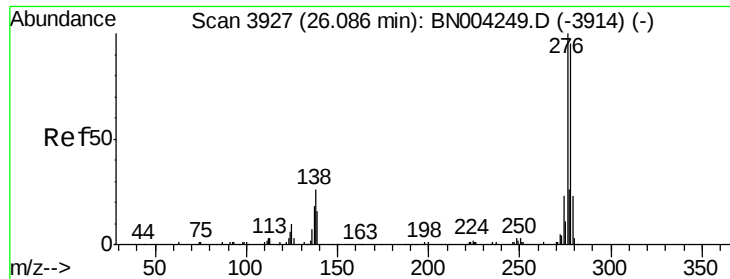
Delta R.T. 0.01 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

Tgt Ion:	252	Resp:	348774
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	13.2	9.1	13.7



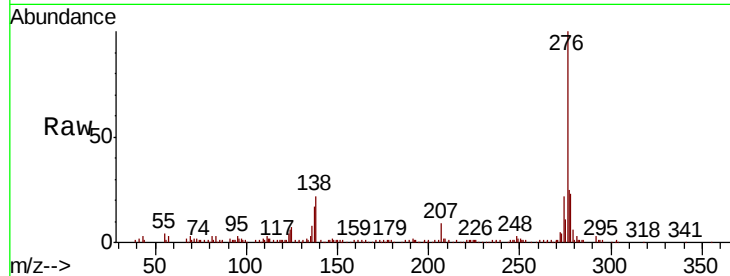


#91

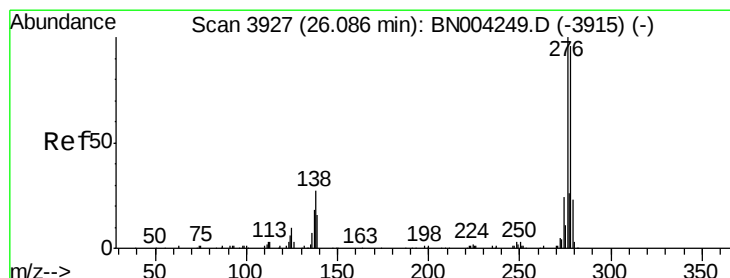
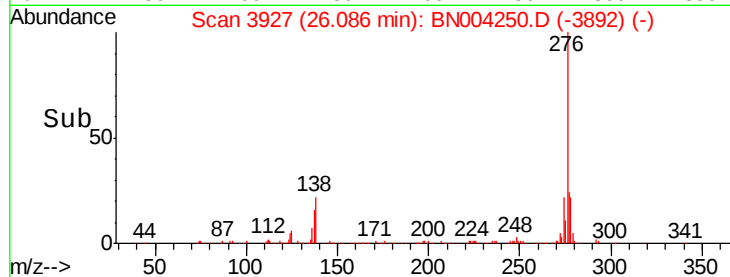
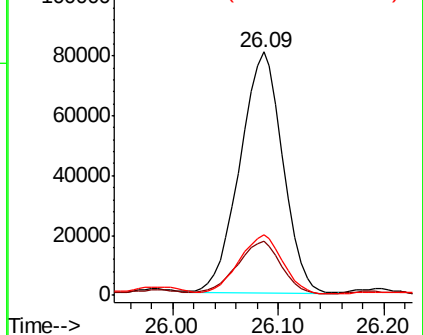
Indeno(1,2,3-cd)pyrene
Concen: 11.833 ng/ul
RT: 26.09 min Scan# 3927
Delta R.T. 0.01 min
Lab File: BN004250.D
Acq: 27 Dec 2018 21:09

Instrument :
BNA_N
ClientSampled :
BF023

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.4	30.6
277	24.6	20.6	30.8



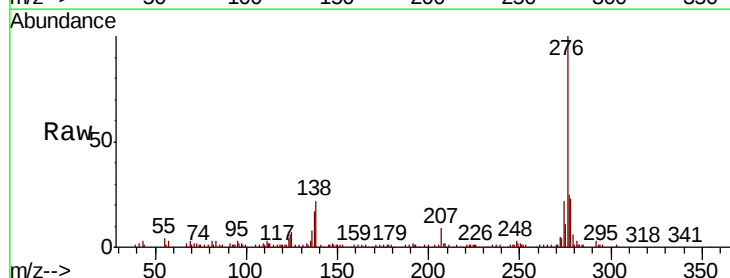
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



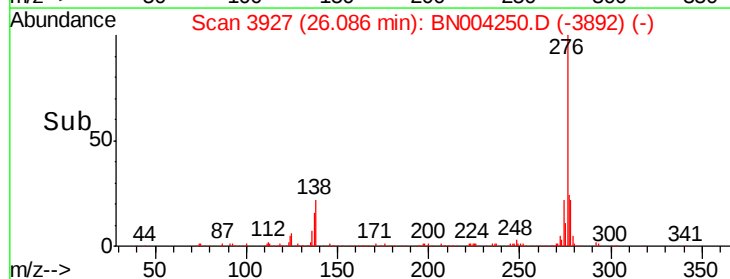
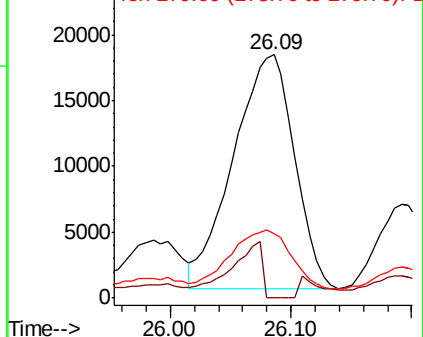
#92

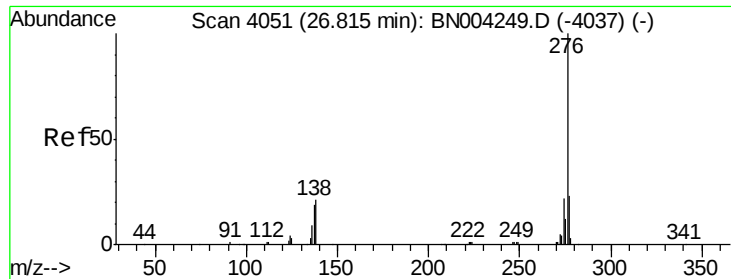
Dibenzo(a,h)anthracene
Concen: 3.935 ng/ul
RT: 26.09 min Scan# 3927
Delta R.T. 0.01 min
Lab File: BN004250.D
Acq: 27 Dec 2018 21:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.3	19.9#
279	26.4	19.0	28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 11.997 ng/ul

RT: 26.82 min Scan# 4051

Delta R.T. 0.01 min

Lab File: BN004250.D

Acq: 27 Dec 2018 21:09

Instrument :

BNA_N

ClientSampleId :

BF023

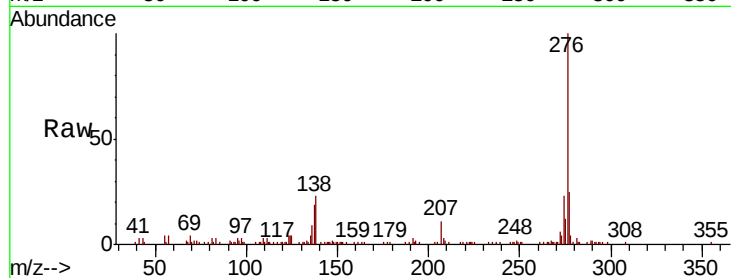
Tgt Ion: 276 Resp: 192423

Ion Ratio Lower Upper

276 100

138 22.7 18.2 27.4

277 25.1 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

