

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070318\
 Data File : BN001948.D
 Acq On : 03 Jul 2018 17:52
 Operator : JU/SJ
 Sample : J3721-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 04 01:03:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	618899	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2868020	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1720956	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	3789088	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	3341099	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	2732767	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	54629	3.83	ng/uL	0.00
5) Phenol-d5	6.88	99	1230667	21.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	793315	22.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	994969	22.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	945856	21.08	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	514475	24.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	578714	26.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	1037111	22.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1331808	27.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	3318649	22.84	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	4106164	22.89	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	413253	15.44	ng/ul	0.00
57) Fluorene-d10	15.33	176	2906612	22.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	391947	18.99	ng/ul	0.00
70) Anthracene-d10	17.18	188	4405526	24.06	ng/ul	0.00
76) Pyrene-d10	19.48	212	4841455	28.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	3743269	25.19	ng/ul	0.00

Target Compounds

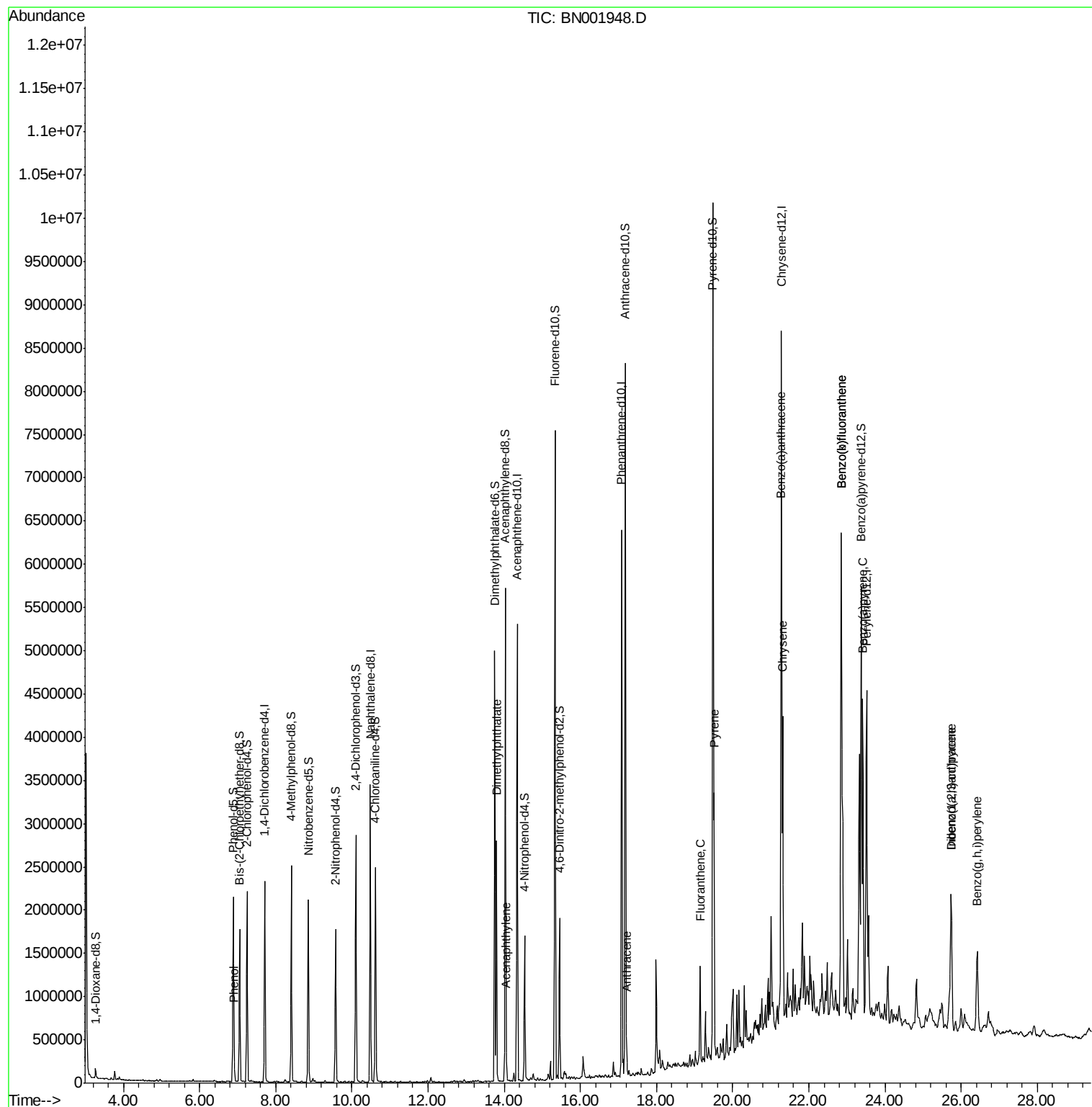
				Ovalue	
6) Phenol	6.91	94	83567	1.480	ng/ul 99
44) Dimethylphthalate	13.80	163	1748785	12.243	ng/ul 99
47) Acenaphthylene	14.06	152	182563	1.054	ng/ul 100
71) Anthracene	17.22	178	248648	1.151	ng/ul 98
74) Fluoranthene	19.15	202	669178	2.983	ng/ul# 90
77) Pyrene	19.51	202	1737593	8.311	ng/ul# 87
80) Benzo(a)anthracene	21.26	228	1406665	6.662	ng/ul 95
82) Chrysene	21.32	228	2463249	12.538	ng/ul 99
85) Benzo(b)fluoranthene	22.85	252	4438184	25.714	ng/ul# 94
86) Benzo(k)fluoranthene	22.85	252	4438184	26.517	ng/ul# 94
88) Benzo(a)pyrene	23.42	252	2387365	14.802	ng/ul# 94
89) Indeno(1,2,3-cd)pyrene	25.74	276	1448188	8.438	ng/ul# 88
90) Dibenzo(a,h)anthracene	25.74	278	393416	2.754	ng/ul# 89
91) Benzo(g,h,i)perylene	26.42	276	1096325	7.744	ng/ul# 90

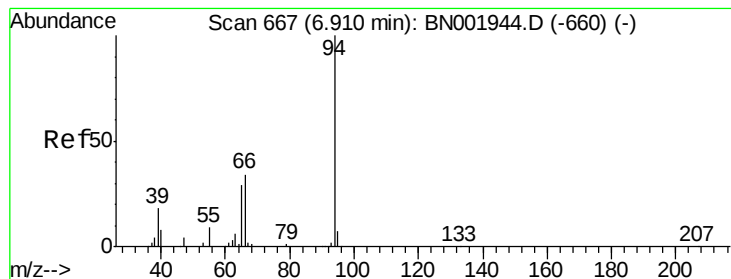
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration





#6

Phenol

Concen: 1.480 ng/ul

RT: 6.91 min Scan# 667

Delta R.T. 0.00 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

Instrument :

BNA_N

ClientSampleId :

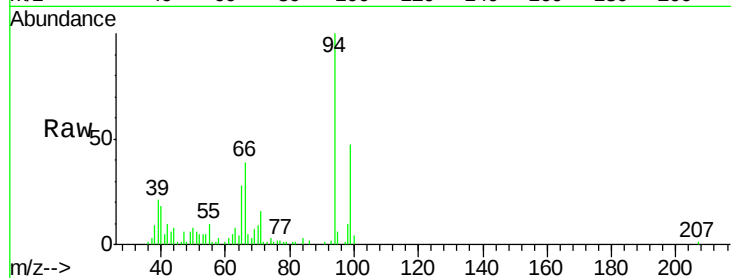
Tot Ion: 94 Resp: 83567

Ion Ratio Lower Upper

94 100

65 28.4 23.0 34.6

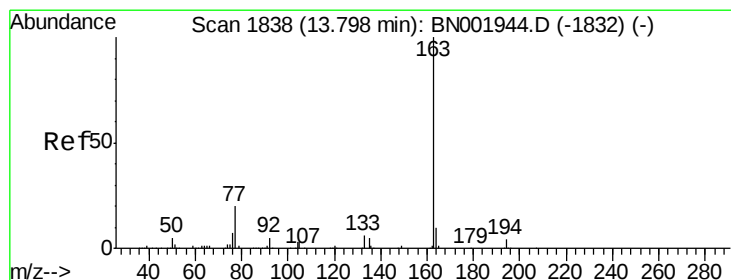
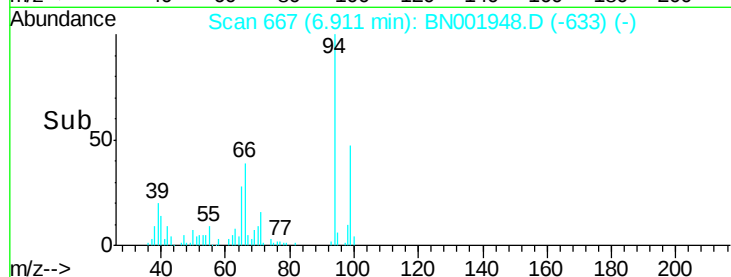
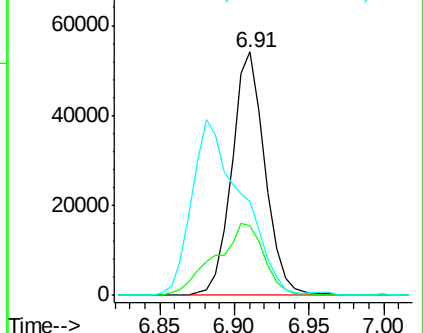
66 38.8 30.4 45.6



Abundance Ion 94.00 (93.70 to 94.70): BN001944.D (-660) (-)

Ion 65.00 (64.70 to 65.70): BN001944.D (-660) (-)

Ion 66.00 (65.70 to 66.70): BN001944.D (-660) (-)



#44

Dimethylphthalate

Concen: 12.243 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

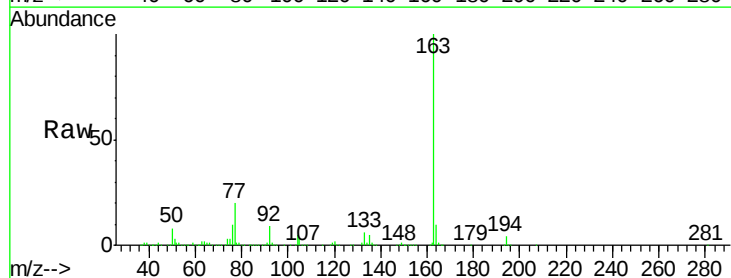
Tgt Ion:163 Resp: 1748785

Ion Ratio Lower Upper

163 100

194 4.3 4.0 6.0

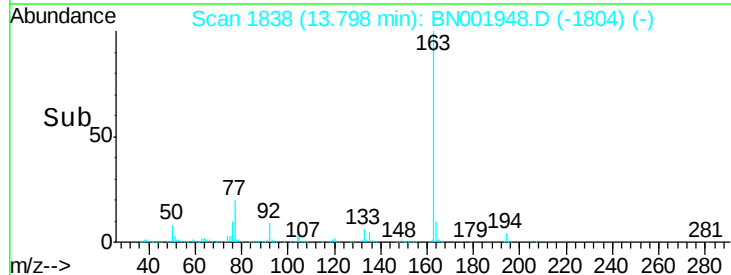
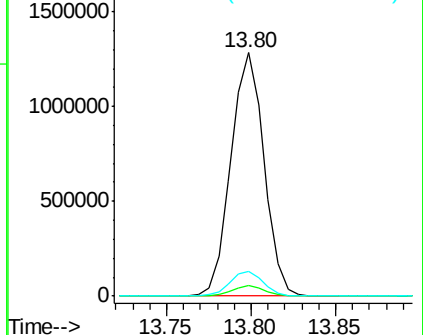
164 10.2 8.4 12.6

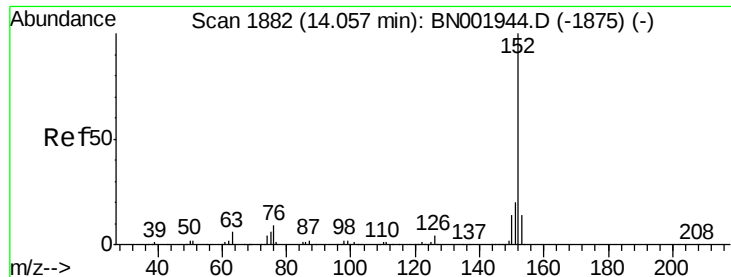


Abundance Ion 163.00 (162.70 to 163.70): BN001944.D (-1832) (-)

Ion 194.00 (193.70 to 194.70): BN001944.D (-1832) (-)

Ion 164.00 (163.70 to 164.70): BN001944.D (-1832) (-)





#47

Acenaphthylene

Concen: 1.054 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

Instrument :

BNA_N

ClientSampleId :

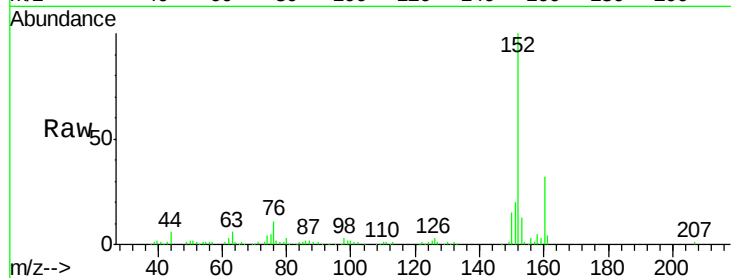
Tot Ion:152 Resp: 182563

Ion Ratio Lower Upper

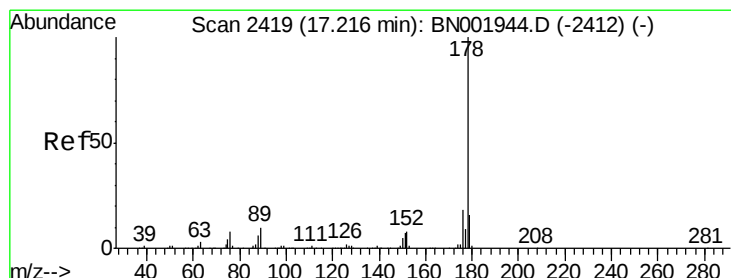
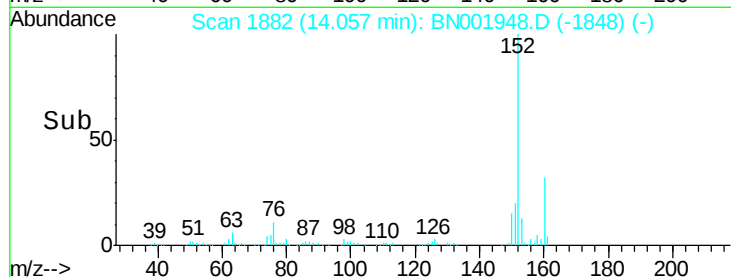
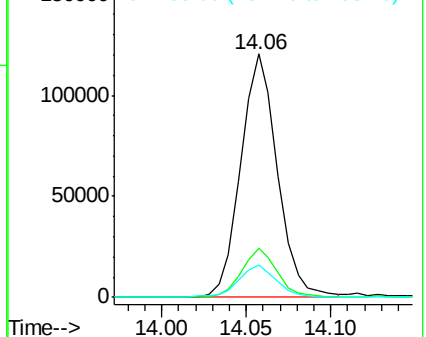
152 100

151 19.9 16.1 24.1

153 13.4 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#71

Anthracene

Concen: 1.151 ng/ul

RT: 17.22 min Scan# 2419

Delta R.T. 0.00 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

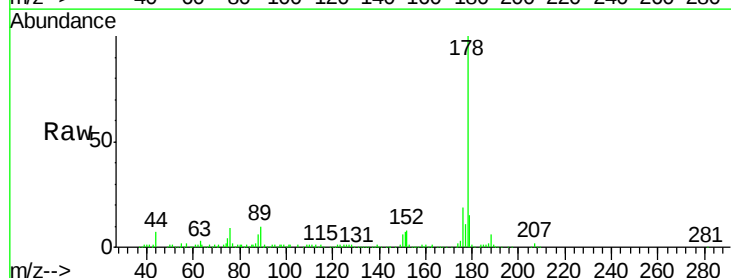
Tgt Ion:178 Resp: 248648

Ion Ratio Lower Upper

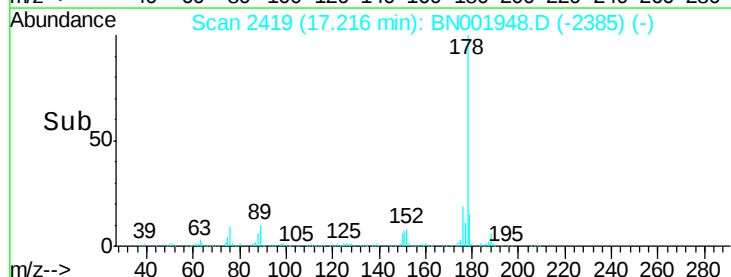
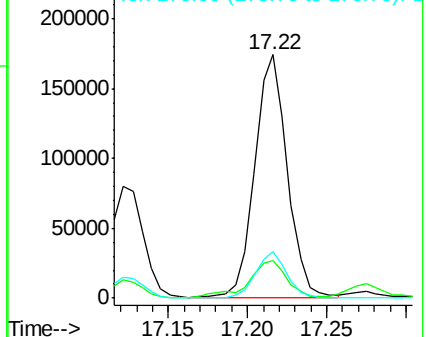
178 100

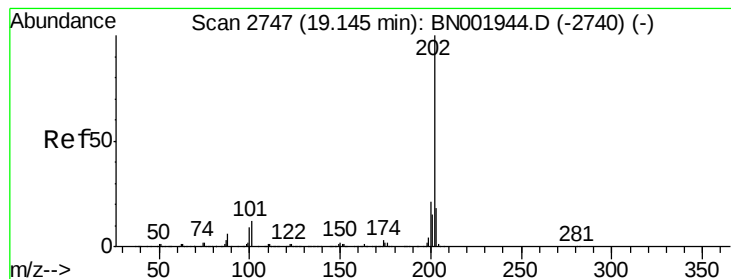
179 15.4 13.4 20.2

176 19.1 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





#74

Fluoranthene

Concen: 2.983 ng/ul

RT: 19.15 min Scan# 2747

Delta R.T. 0.00 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

Instrument :

BNA_N

ClientSampleId :

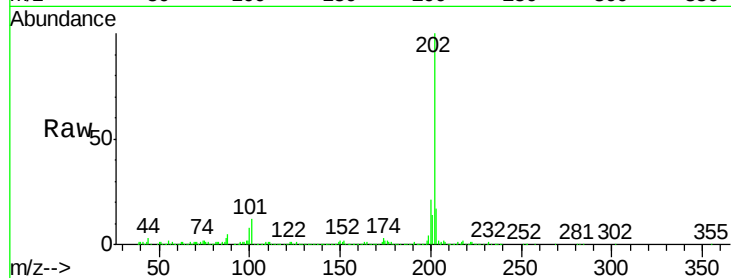
Tot Ion:202 Resp: 669178

Ion Ratio Lower Upper

202 100

101 11.8 6.1 9.1#

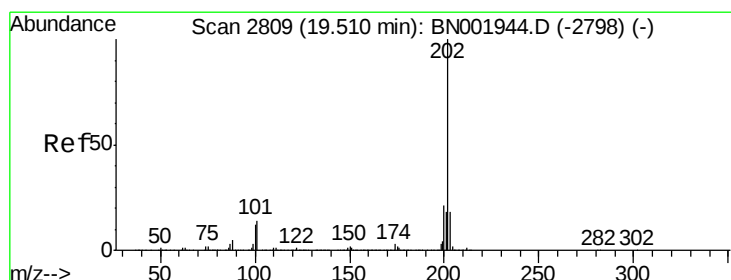
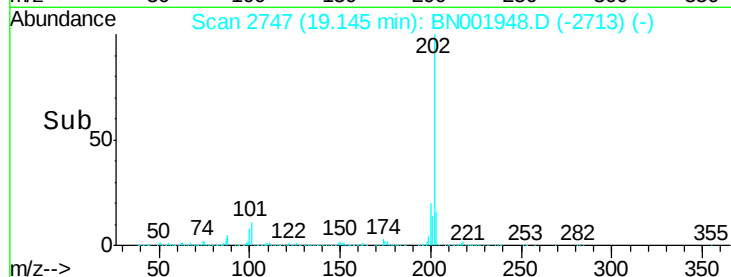
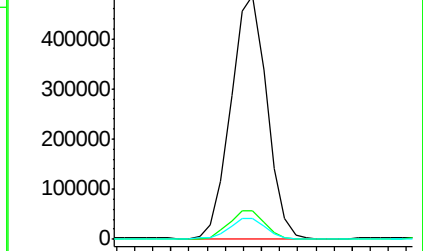
100 8.3 4.6 7.0#



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): B



#77

Pyrene

Concen: 8.311 ng/ul

RT: 19.51 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

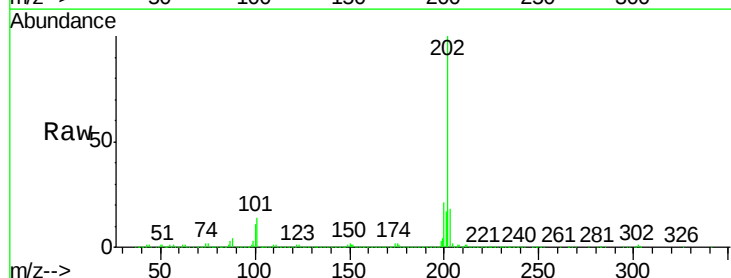
Tgt Ion:202 Resp: 1737593

Ion Ratio Lower Upper

202 100

101 13.7 6.9 10.3#

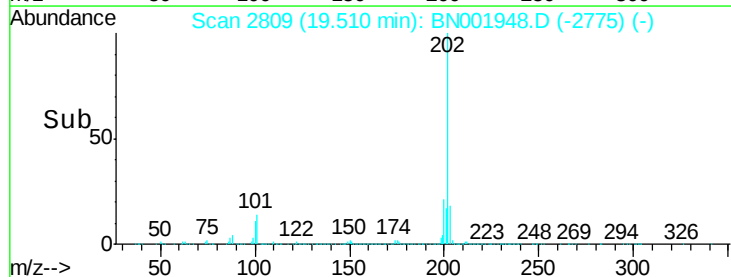
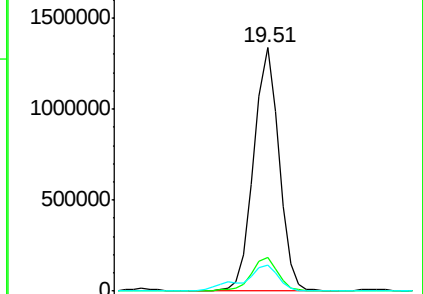
100 10.9 5.6 8.4#

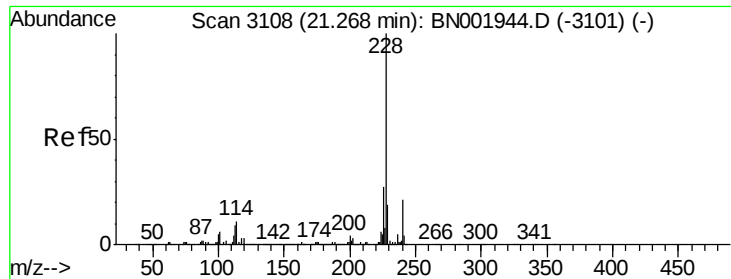


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

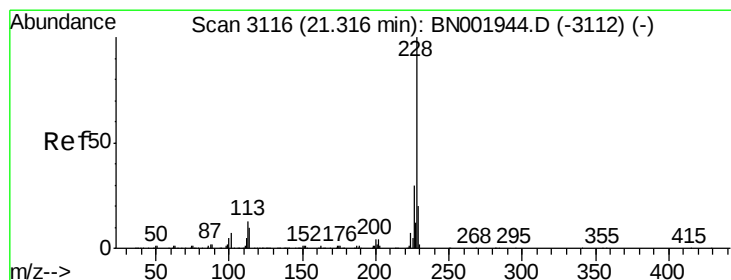
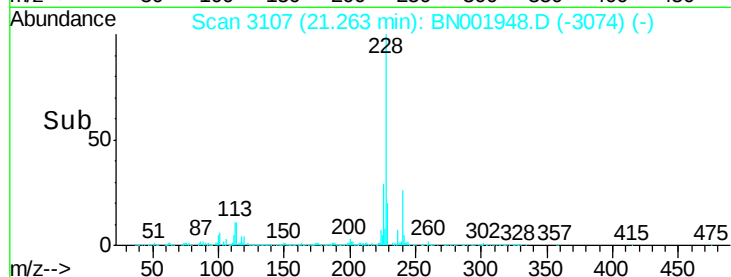
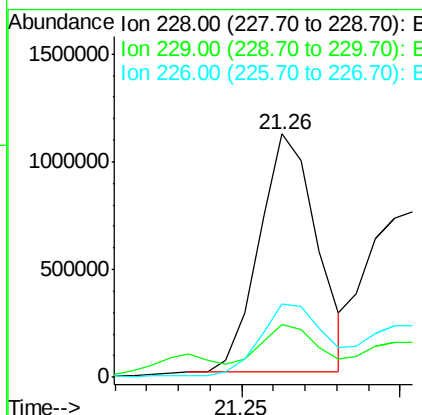
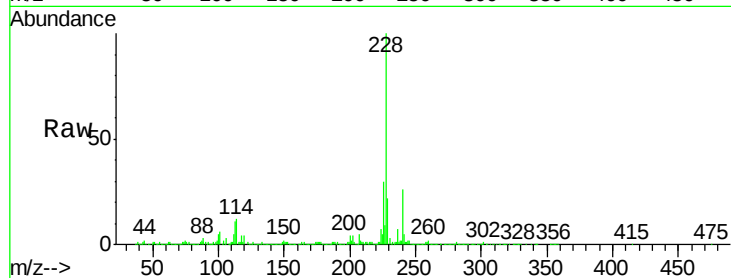




#80
Benzo(a)anthracene
Concen: 6.662 ng/ul
RT: 21.26 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BN001948.D
Acq: 03 Jul 2018 17:52

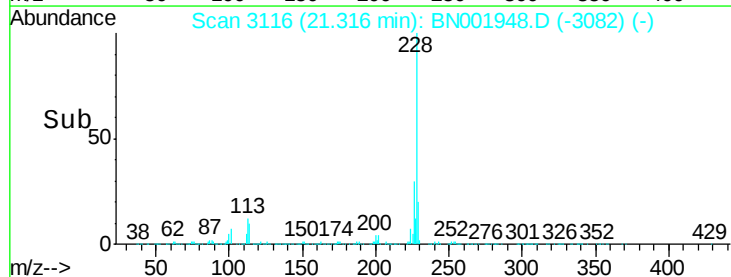
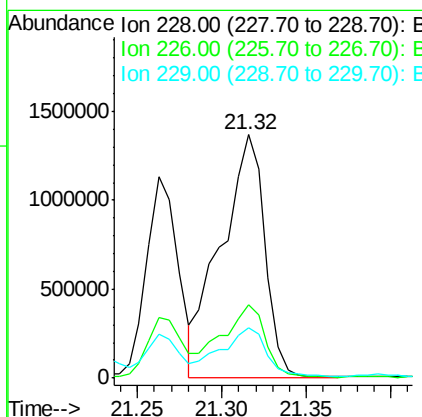
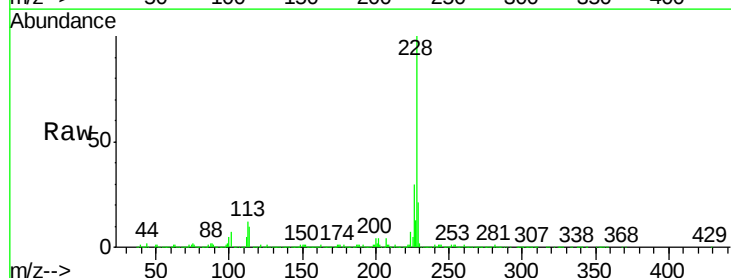
Instrument :
BNA_N
ClientSampleId :

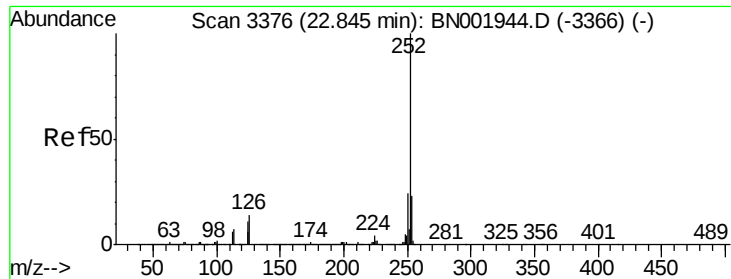
Tot Ion:228 Resp: 1406665
Ion Ratio Lower Upper
228 100
229 21.9 16.0 24.0
226 30.0 21.8 32.8



#82
Chrysene
Concen: 12.538 ng/ul
RT: 21.32 min Scan# 3116
Delta R.T. 0.00 min
Lab File: BN001948.D
Acq: 03 Jul 2018 17:52

Tgt Ion:228 Resp: 2463249
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 20.6 16.0 24.0





#85

Benzo(b)fluoranthene

Concen: 25.714 ng/ul

RT: 22.85 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

Instrument :

BNA_N

ClientSampled :

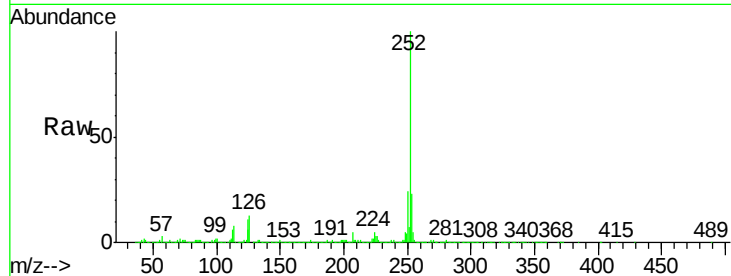
Tot Ion:252 Resp: 4438184

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

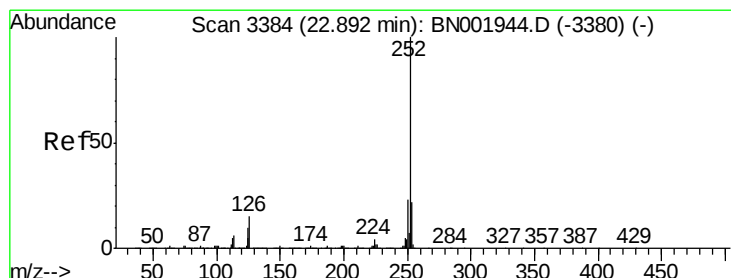
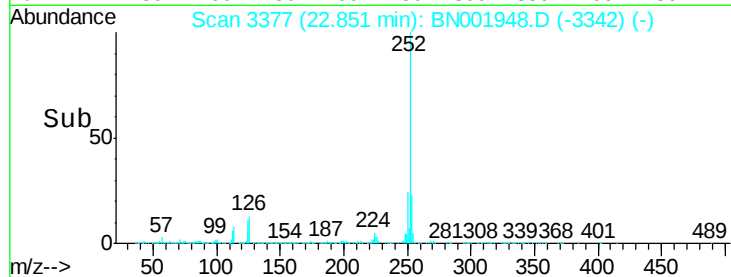
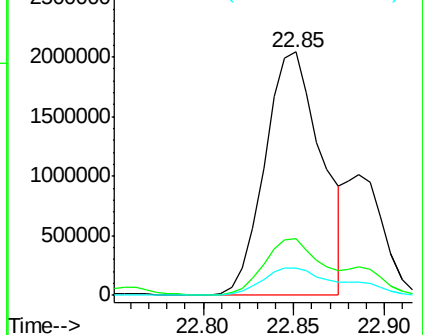
125 11.3 4.9 7.3#



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: 26.517 ng/ul

RT: 22.85 min Scan# 3377

Delta R.T. -0.04 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

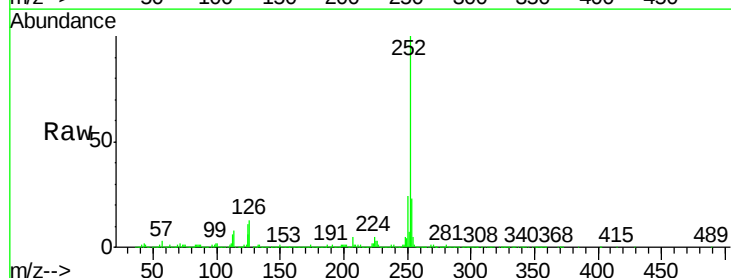
Tgt Ion:252 Resp: 4438184

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

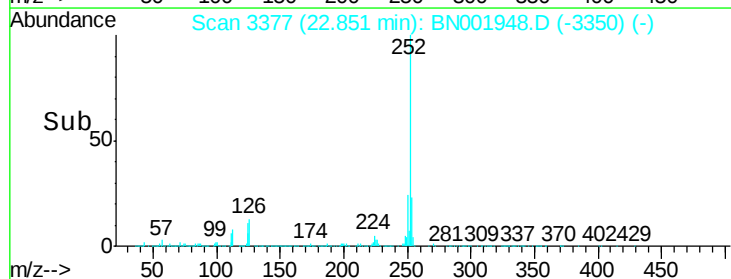
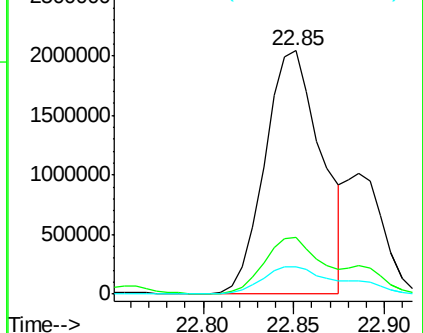
125 11.3 5.4 8.0#

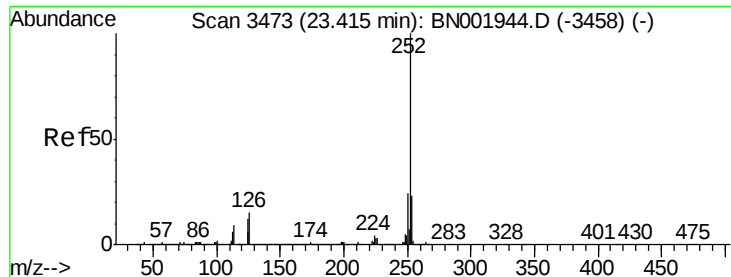


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 14.802 ng/ul

RT: 23.42 min Scan# 3473

Delta R.T. 0.00 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

Instrument :

BNA_N

ClientSampleId :

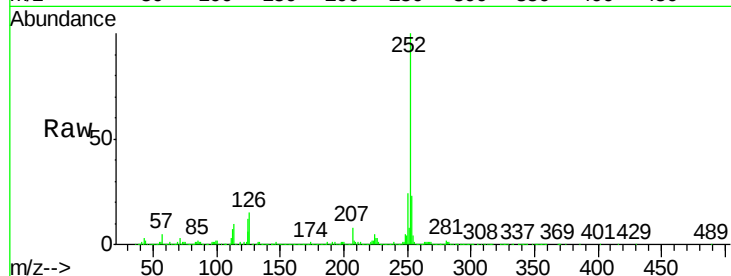
Tot Ion:252 Resp: 2387365

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

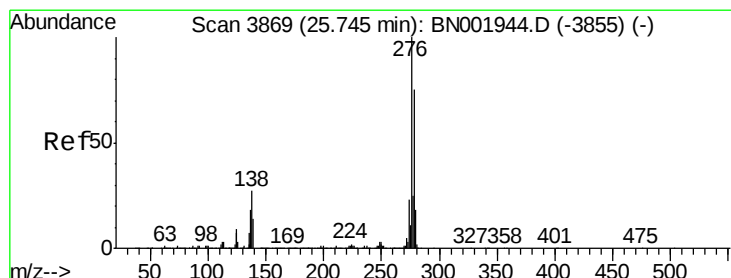
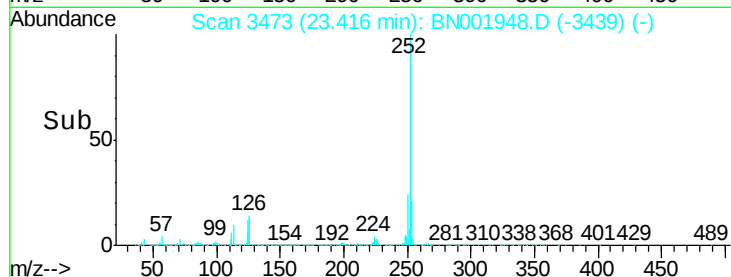
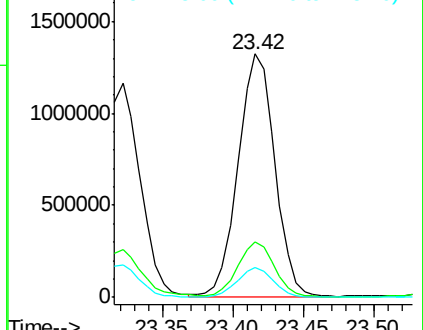
125 12.1 5.8 8.6#



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: 8.438 ng/ul

RT: 25.74 min Scan# 3868

Delta R.T. -0.01 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

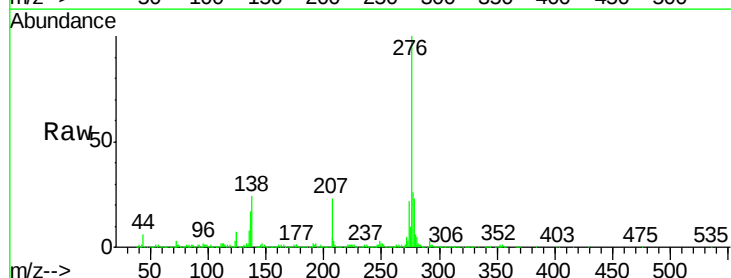
Tgt Ion:276 Resp: 1448188

Ion Ratio Lower Upper

276 100

138 24.0 10.9 16.3#

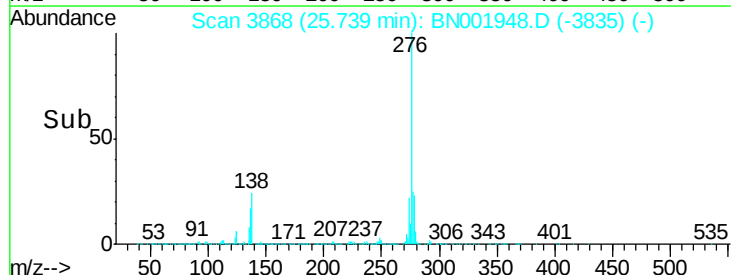
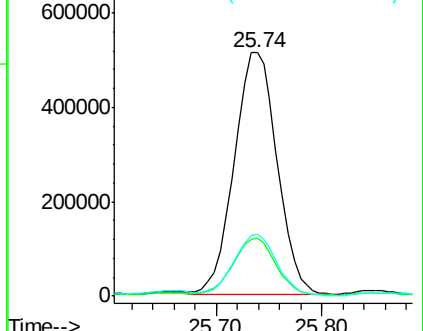
277 25.6 18.9 28.3

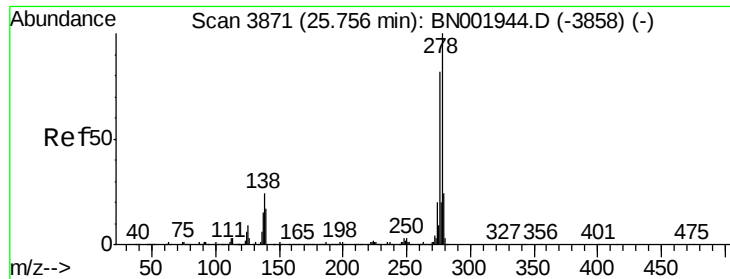


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.754 ng/ul

RT: 25.74 min Scan# 3869

Delta R.T. -0.01 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

Instrument :

BNA_N

ClientSampleId :

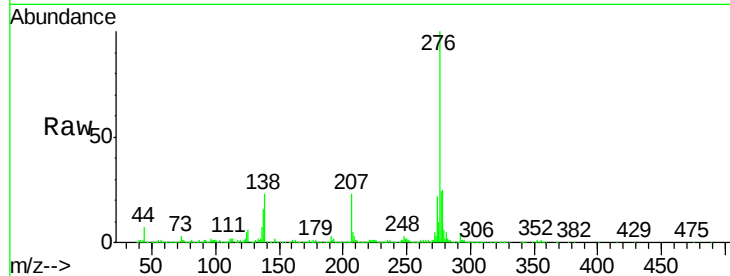
Tot Ion:278 Resp: 393416

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.4#

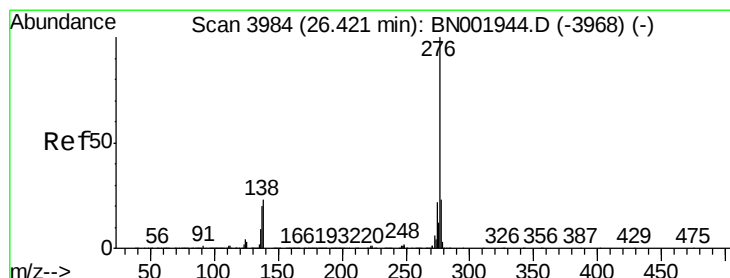
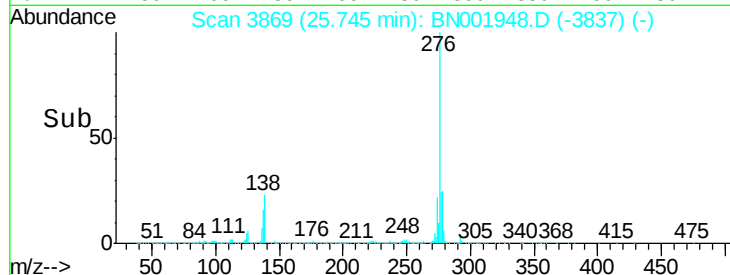
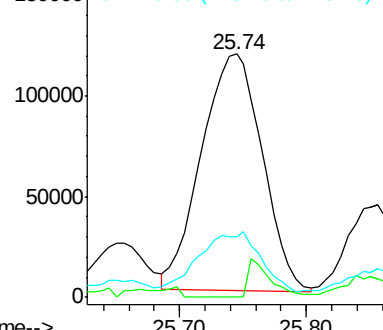
279 25.0 19.1 28.7



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



#91

Benzo(g,h,i)perylene

Concen: 7.744 ng/ul

RT: 26.42 min Scan# 3984

Delta R.T. 0.00 min

Lab File: BN001948.D

Acq: 03 Jul 2018 17:52

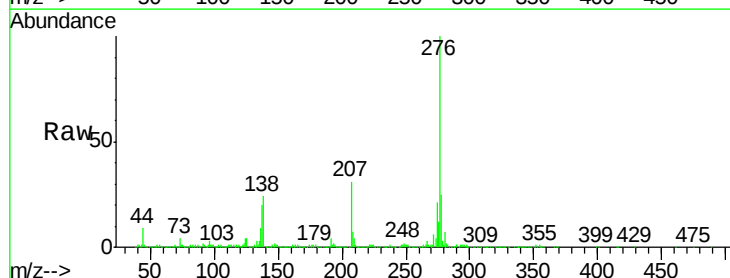
Tgt Ion:276 Resp: 1096325

Ion Ratio Lower Upper

276 100

138 23.7 11.2 16.8#

277 24.6 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

