

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
 Data File : BN005454.D
 Acq On : 03 May 2019 16:28
 Operator : JU/SJ
 Sample : K2604-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ80

Quant Time: May 04 00:56:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	301330	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1301884	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	793844	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1719693	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1555129	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	1661313	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	24562	3.94	ng/uL	0.00
5) Phenol-d5	6.78	99	549567	23.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	322711	21.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	445413	24.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	421619	22.79	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	240887	30.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	275563	33.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	474693	25.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	543530	28.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	1572067	27.28	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	1894604	26.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	208846	22.95	ng/ul	0.00
57) Fluorene-d10	15.22	176	1307534	27.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	204071	26.38	ng/ul	0.00
70) Anthracene-d10	17.08	188	1998405	27.72	ng/ul	0.00
78) Pyrene-d10	19.39	212	2197835	27.63	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	2030860	27.97	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.80	94	42639	1.752 ng/ul	98
17) Hexachloroethane	8.68	117	9884	1.216 ng/ul#	6
28) Naphthalene	10.40	128	6961150	115.018 ng/ul	99
30) 4-Chloroaniline	10.40	127	928975	47.495 ng/ul#	10
34) 2-Methylnaphthalene	12.02	142	1694102	38.228 ng/ul	97
40) 1,1'-Biphenyl	13.05	154	336656	5.692 ng/ul#	97
44) Dimethylphthalate	13.69	163	366772	6.388 ng/ul	100
47) Acenaphthylene	13.94	152	1758991	25.289 ng/ul	98
49) Acenaphthene	14.29	153	105587	2.224 ng/ul	98
53) Dibenzofuran	14.63	168	123754	1.810 ng/ul	99
58) Fluorene	15.28	166	787697	14.765 ng/ul	97
69) Phenanthrene	17.02	178	3691793	44.080 ng/ul	99
71) Anthracene	17.11	178	904388	10.600 ng/ul	99
76) Fluoranthene	19.05	202	1477607	15.906 ng/ul	96
79) Pyrene	19.42	202	2066637	20.640 ng/ul#	94
82) Benzo(a)anthracene	21.25	228	619936	6.408 ng/ul	95
84) Chrysene	21.25	228	625425	6.966 ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	477350	5.112 ng/ul	98
88) Benzo(k)fluoranthene	22.76	252	477350	5.352 ng/ul	98
90) Benzo(a)pyrene	23.22	252	256105	2.918 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.59	276	192175	1.980 ng/ul#	93
93) Benzo(g,h,i)perylene	26.26	276	146363	1.824 ng/ul	93

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QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

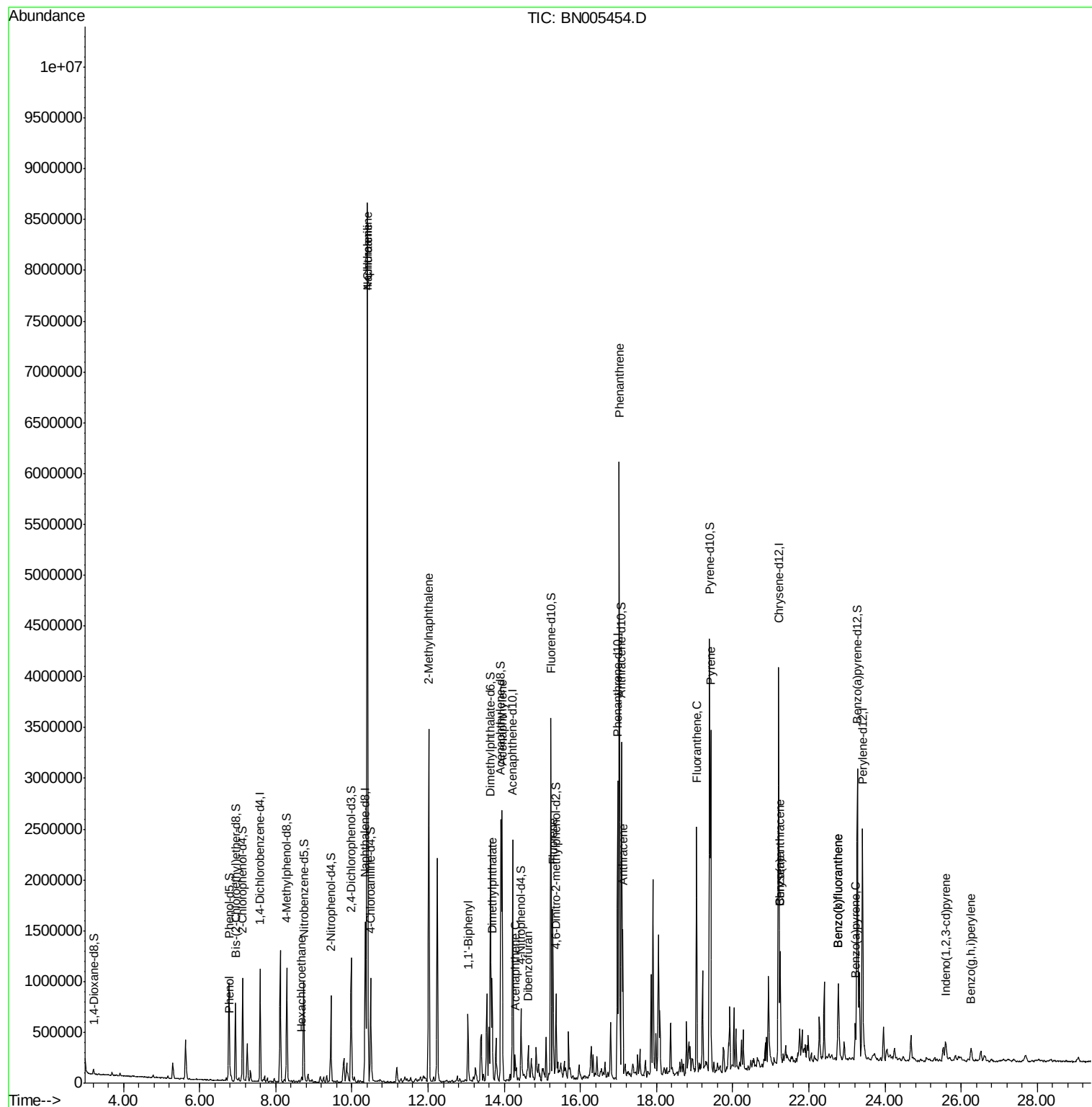
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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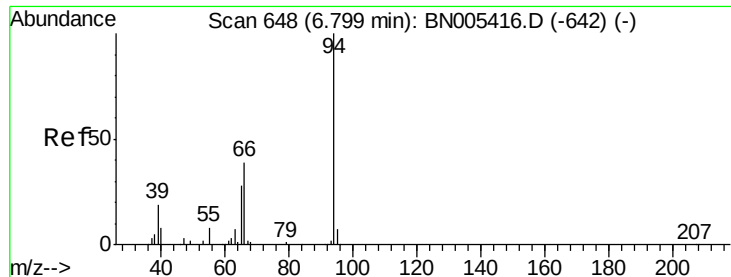
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 03 03:02:31 2019
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#6

Phenol

Concen: 1.752 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.00 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

ClientSampled :

GAJ80

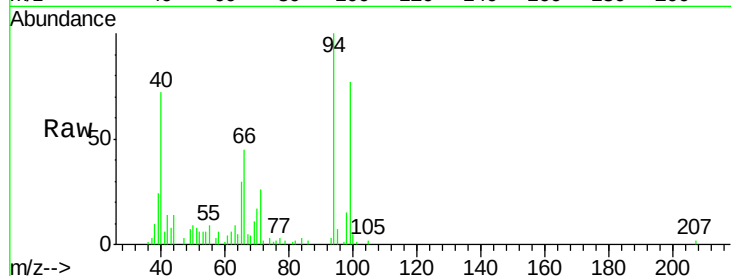
Tgt Ion: 94 Resp: 42639

Ion Ratio Lower Upper

94 100

65 30.5 24.2 36.4

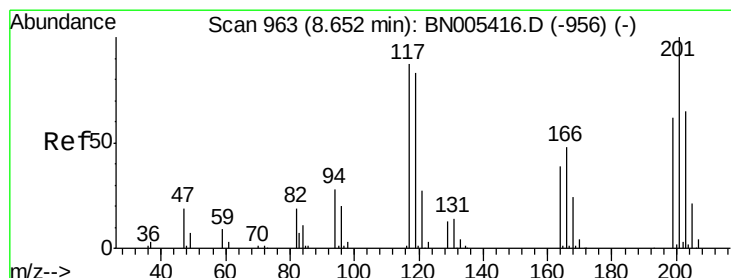
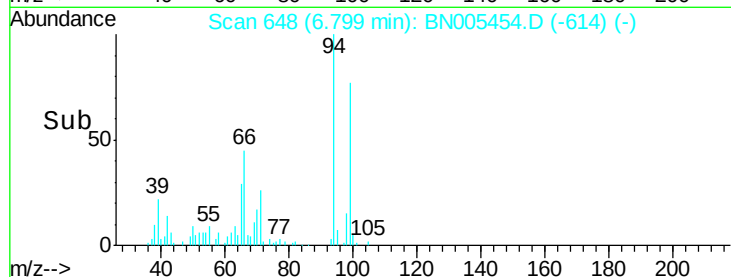
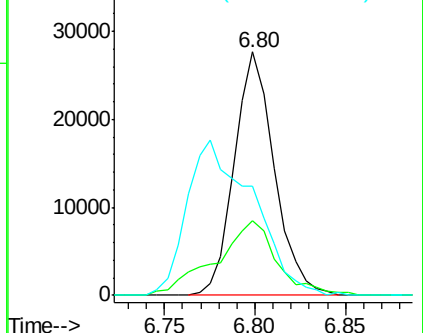
66 44.7 33.8 50.6



Abundance Ion 94.00 (93.70 to 94.70): BN005416.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BN005416.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BN005416.D (-642) (-)



#17

Hexachloroethane

Concen: 1.216 ng/ul

RT: 8.68 min Scan# 967

Delta R.T. 0.02 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

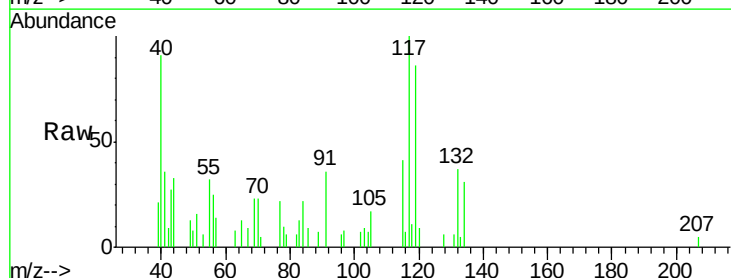
Tgt Ion: 117 Resp: 9884

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

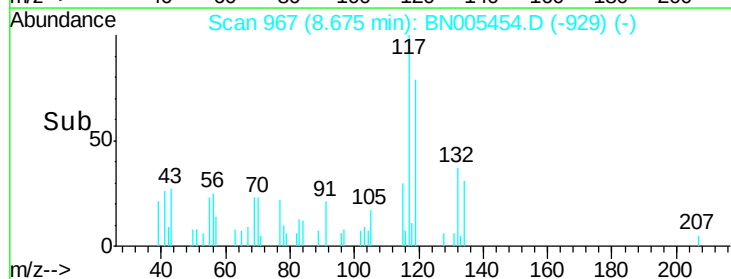
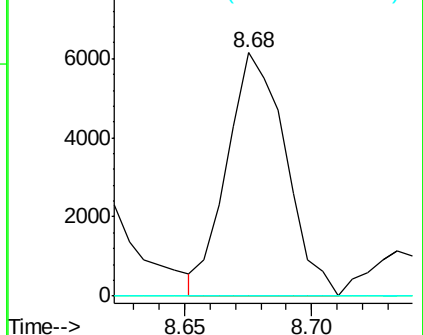
199 0.0 51.2 76.8#

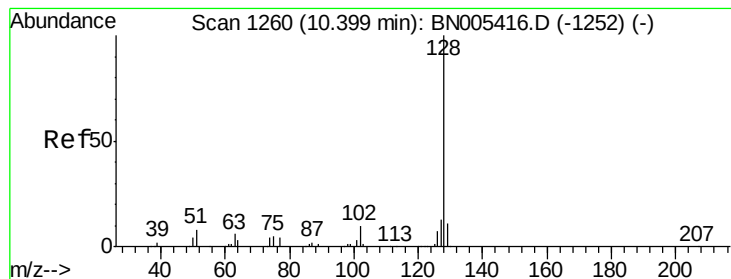


Abundance Ion 117.00 (116.70 to 117.70): BN005416.D (-956) (-)

Ion 201.00 (200.70 to 201.70): BN005416.D (-956) (-)

Ion 199.00 (198.70 to 199.70): BN005416.D (-956) (-)





#28

Naphthalene

Concen: 115.018 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GAJ80

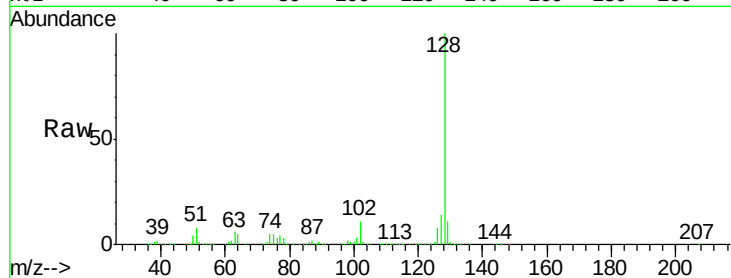
Tgt Ion:128 Resp: 6961150

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

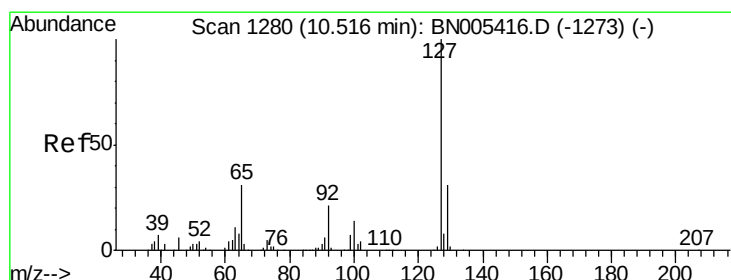
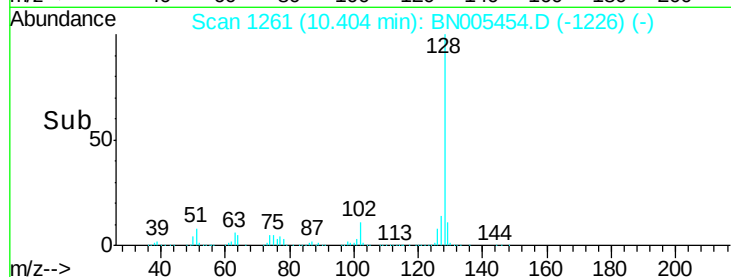
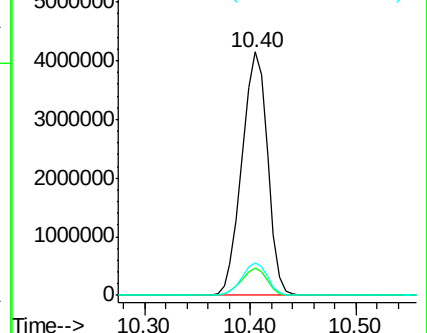
127 13.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 47.495 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. -0.11 min

Lab File: BN005454.D

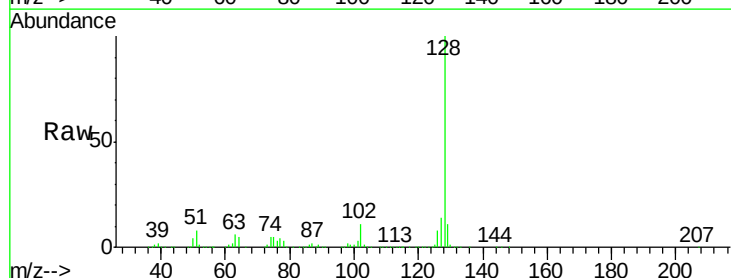
Acq: 03 May 2019 16:28

Tgt Ion:127 Resp: 928975

Ion Ratio Lower Upper

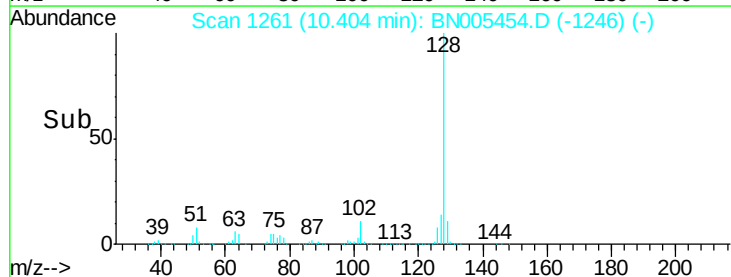
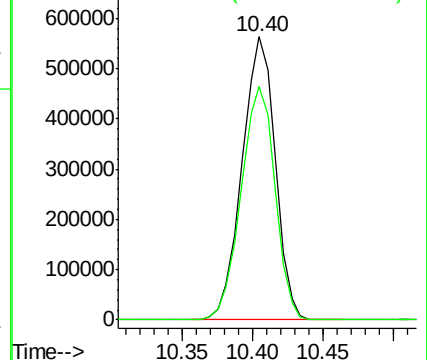
127 100

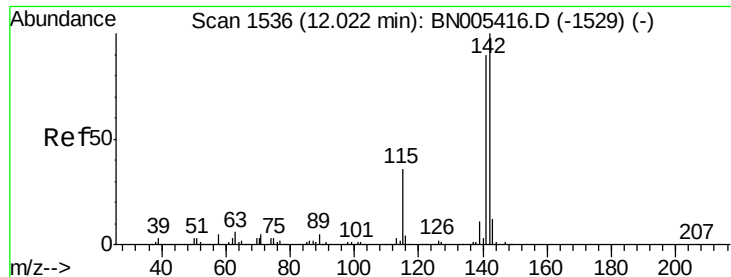
129 82.4 25.8 38.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

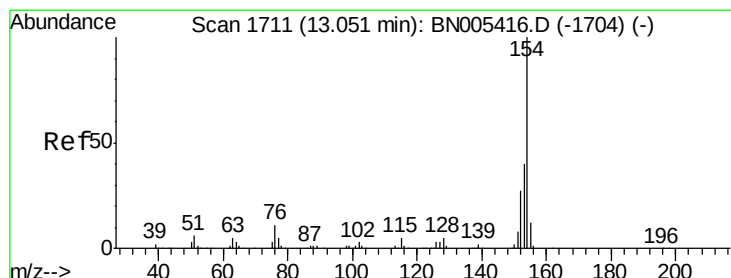
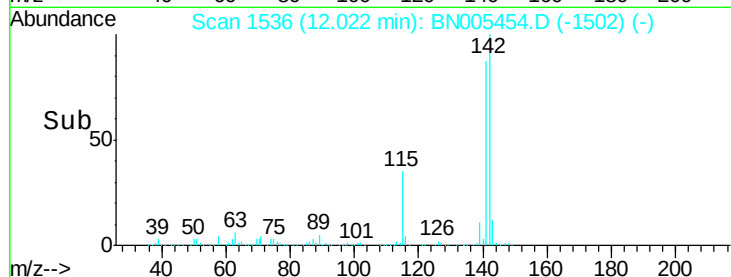
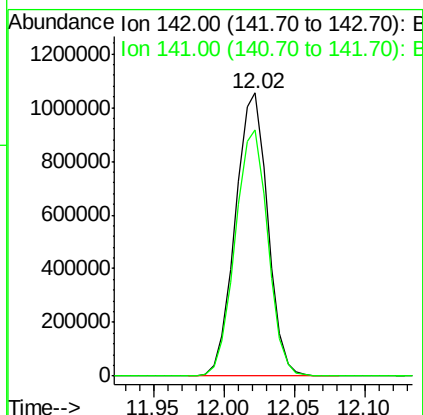
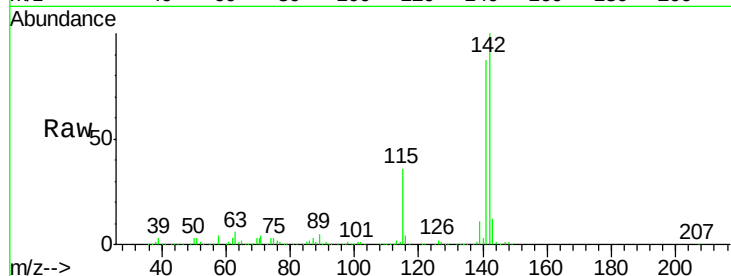




#34
 2-Methylnaphthalene
 Concen: 38.228 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

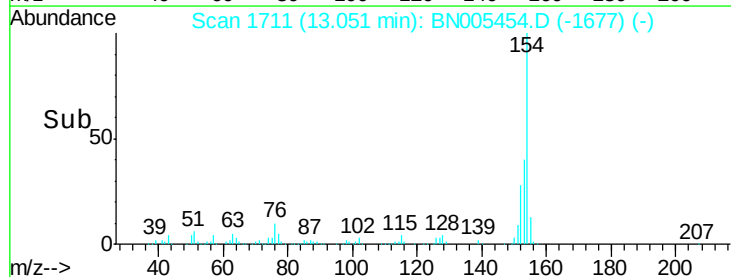
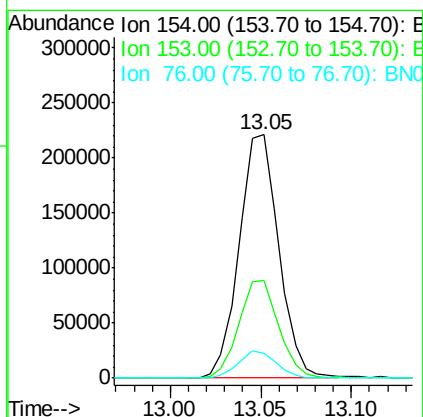
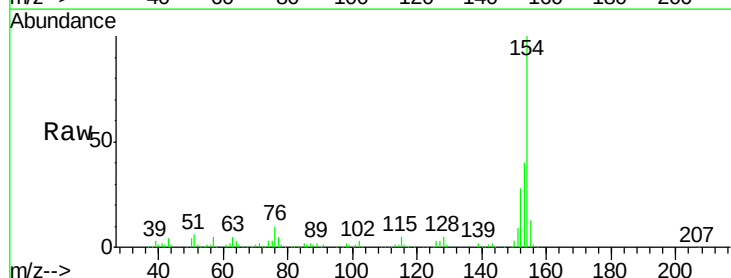
Instrument :
 BNA_N
 ClientSampleId :
 GAJ80

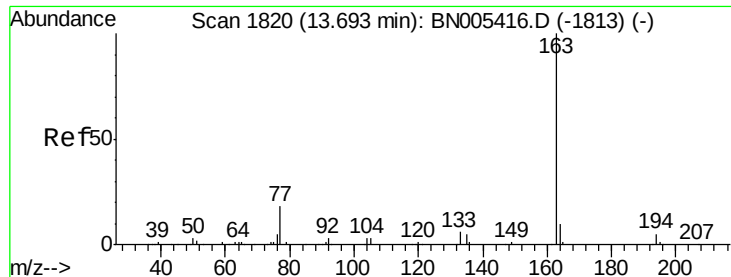
Tgt Ion:142 Resp: 1694102
 Ion Ratio Lower Upper
 142 100
 141 87.1 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 5.692 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

Tgt Ion:154 Resp: 336656
 Ion Ratio Lower Upper
 154 100
 153 40.1 32.6 49.0
 76 10.0 10.4 15.6#





#44

Dimethylphthalate

Concen: 6.388 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GAJ80

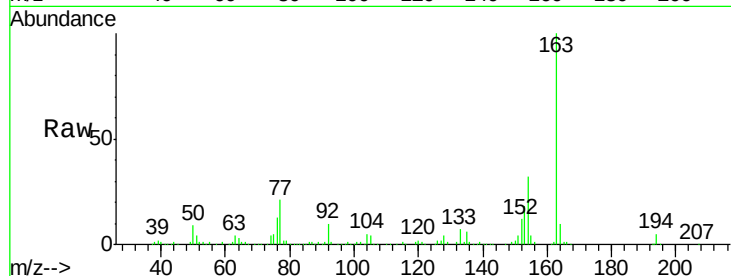
Tgt Ion:163 Resp: 366772

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

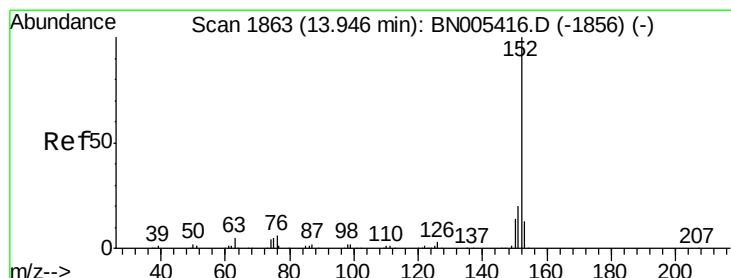
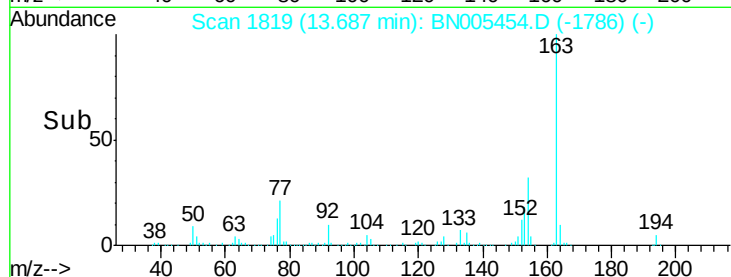
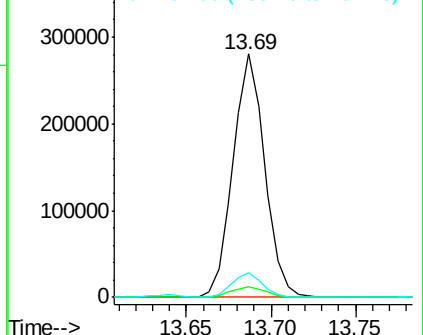
164 10.1 8.1 12.1



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



#47

Acenaphthylene

Concen: 25.289 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

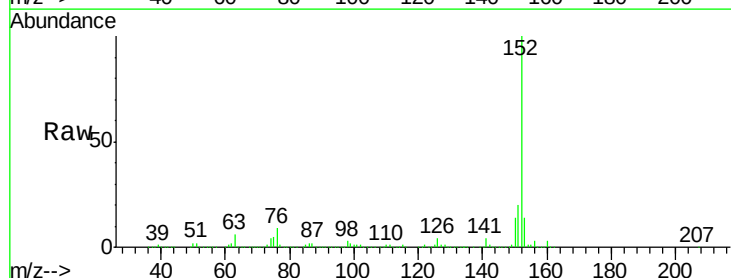
Tgt Ion:152 Resp: 1758991

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

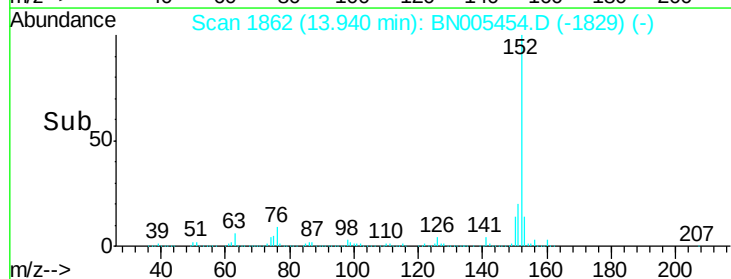
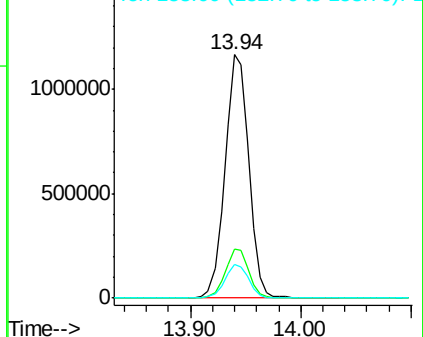
153 13.8 9.8 14.8

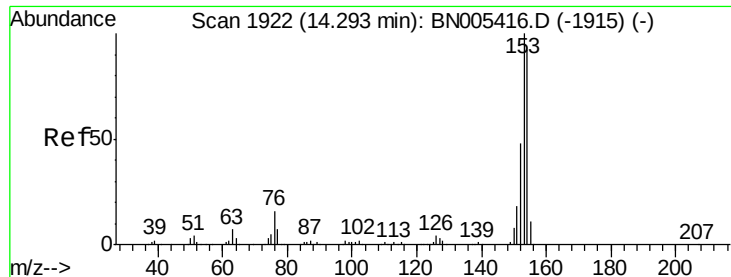


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.224 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

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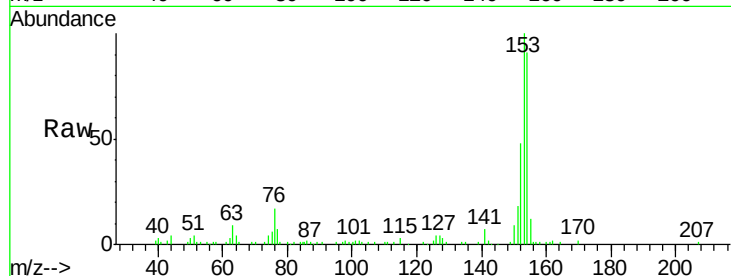
Tgt Ion:153 Resp: 105587

Ion Ratio Lower Upper

153 100

152 47.9 37.4 56.0

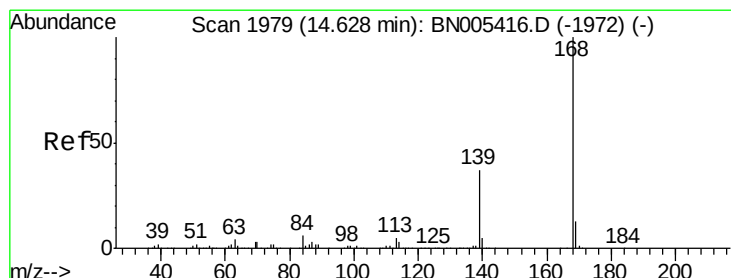
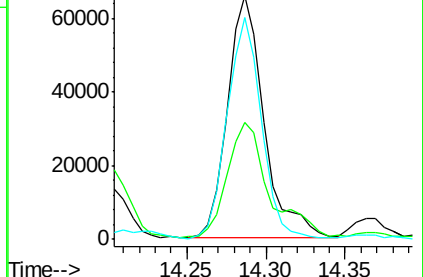
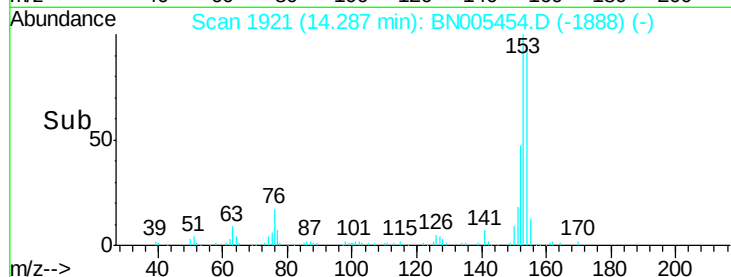
154 91.0 71.2 106.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.810 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BN005454.D

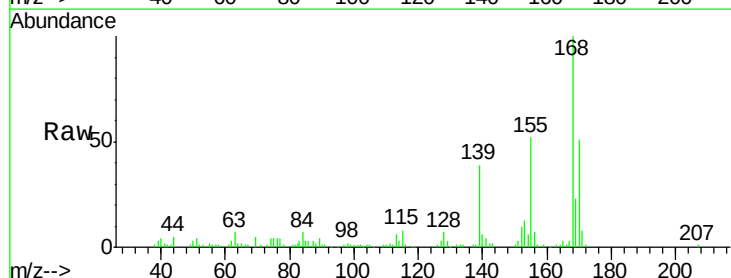
Acq: 03 May 2019 16:28

Tgt Ion:168 Resp: 123754

Ion Ratio Lower Upper

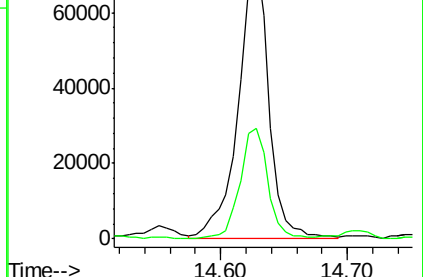
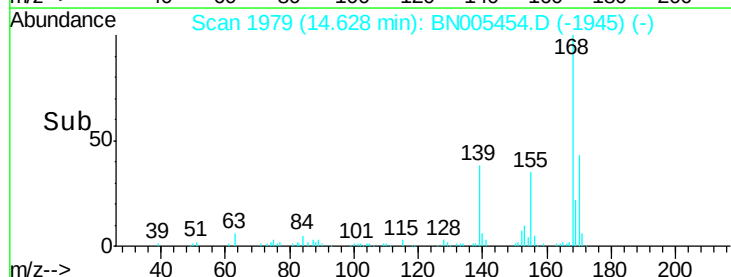
168 100

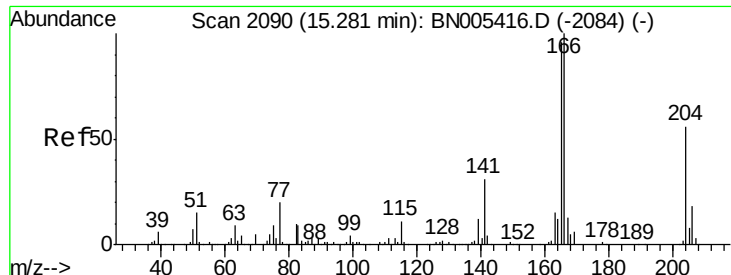
139 39.2 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 14.765 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

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GAJ80

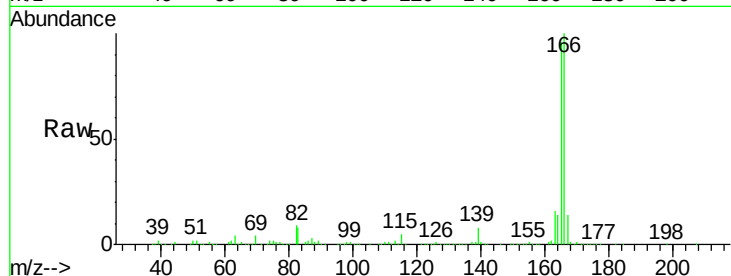
Tgt Ion:166 Resp: 787697

Ion Ratio Lower Upper

166 100

165 96.2 80.0 120.0

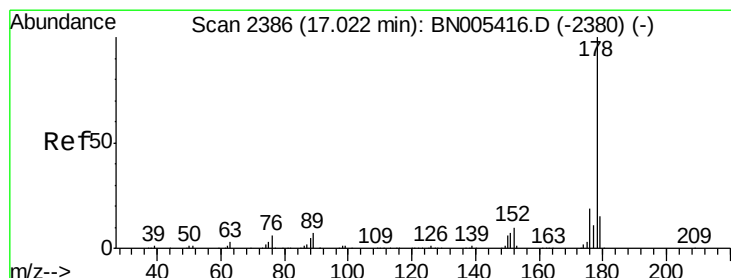
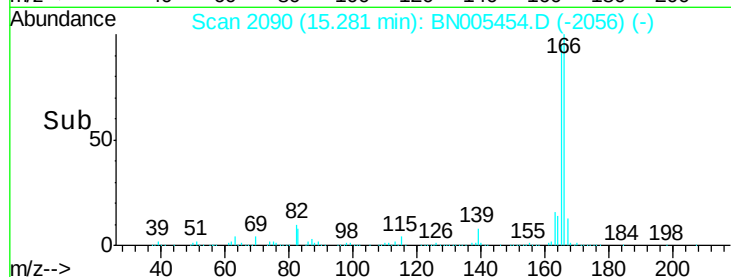
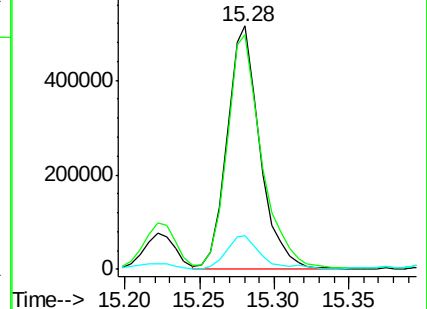
167 13.7 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 44.080 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

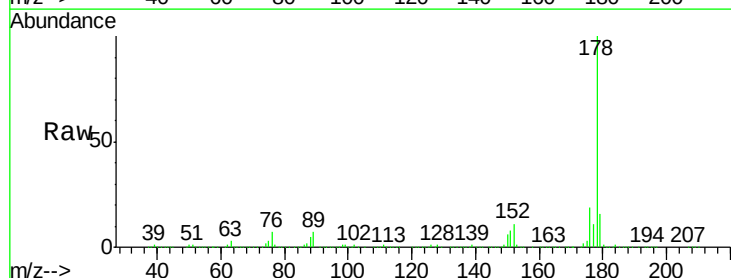
Tgt Ion:178 Resp: 3691793

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

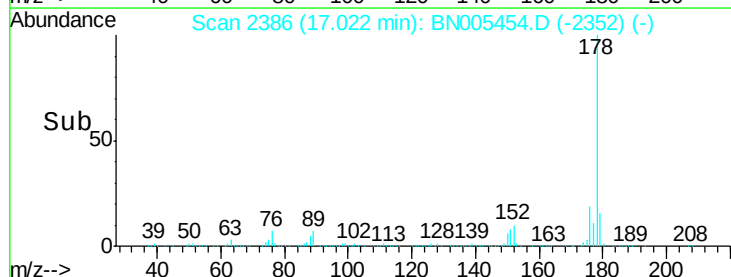
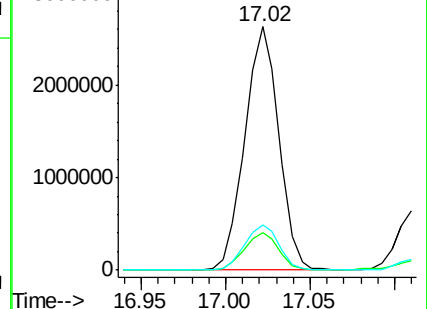
176 18.7 15.1 22.7

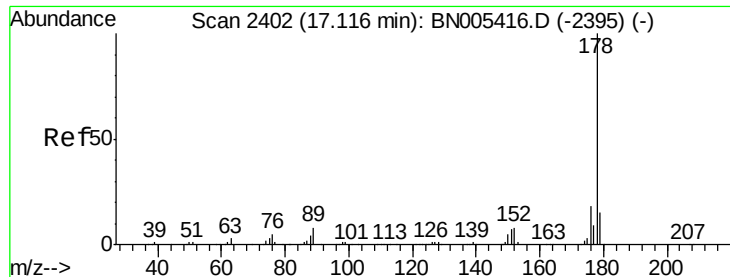


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

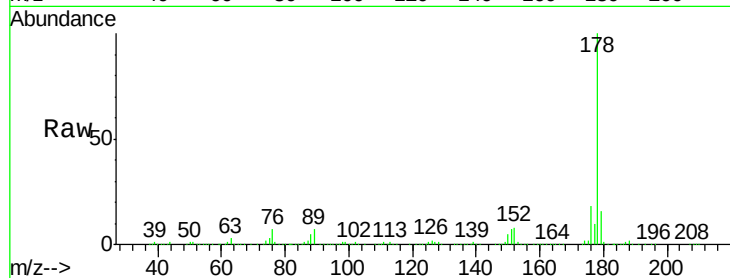




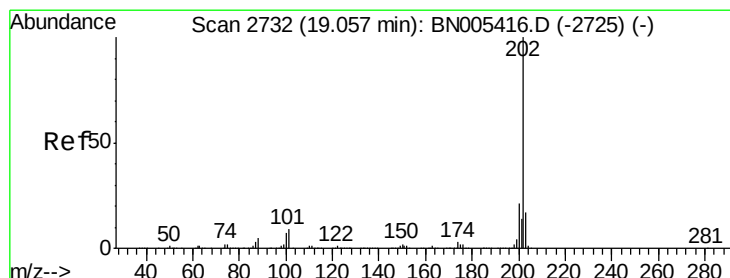
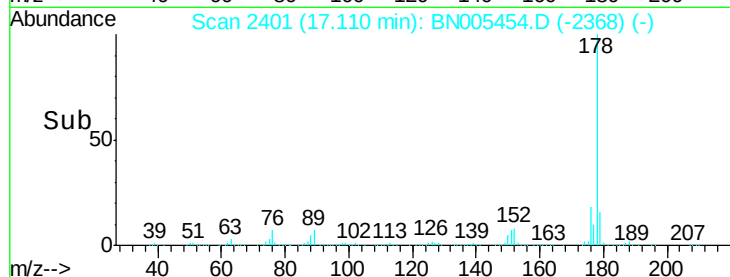
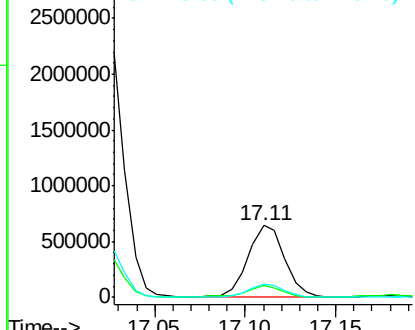
#71
 Anthracene
 Concen: 10.600 ng/ul
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

Instrument :
 BNA_N
 ClientSampled :
 GAJ80

Tgt Ion:178 Resp: 904388
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.3 18.5
 176 18.2 15.1 22.7

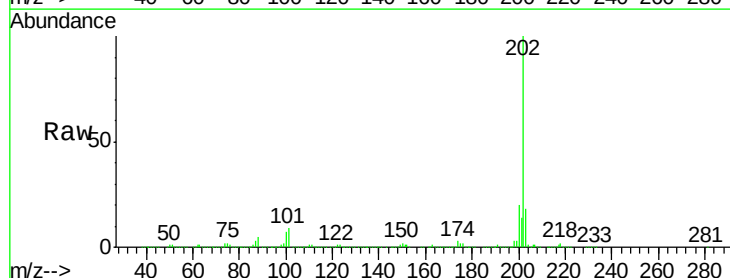


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

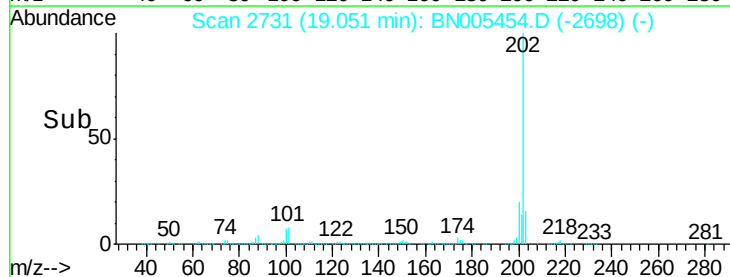
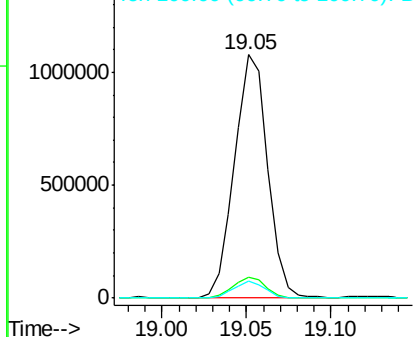


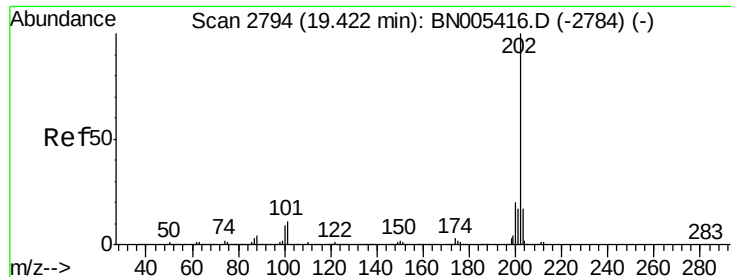
#76
 Fluoranthene
 Concen: 15.906 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

Tgt Ion:202 Resp: 1477607
 Ion Ratio Lower Upper
 202 100
 101 8.7 8.6 12.8
 100 7.0 6.3 9.5



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

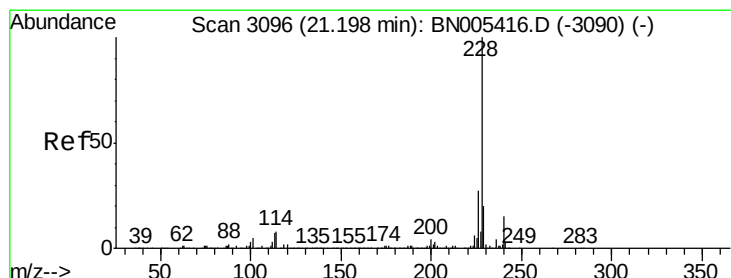
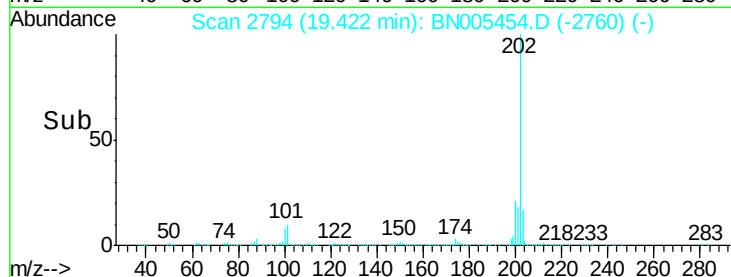
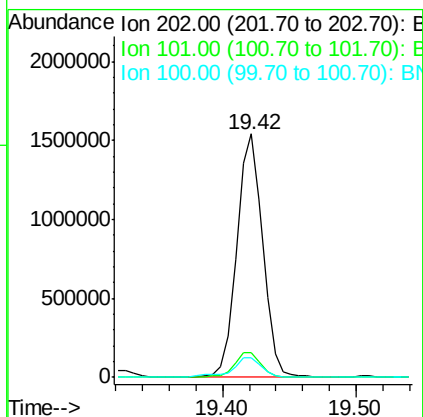
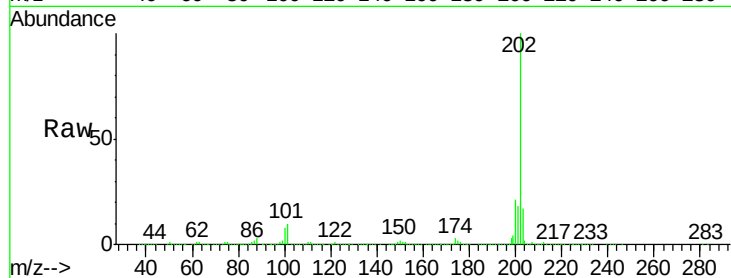




#79
 Pyrene
 Concen: 20.640 ng/ul
 RT: 19.42 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

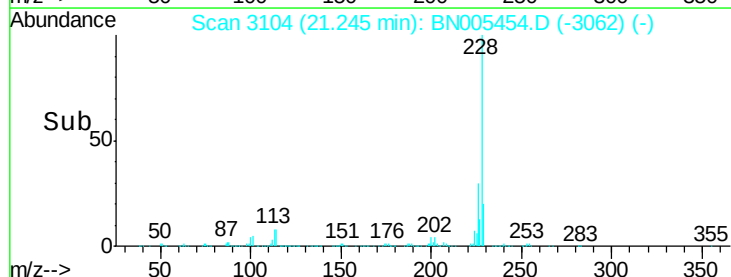
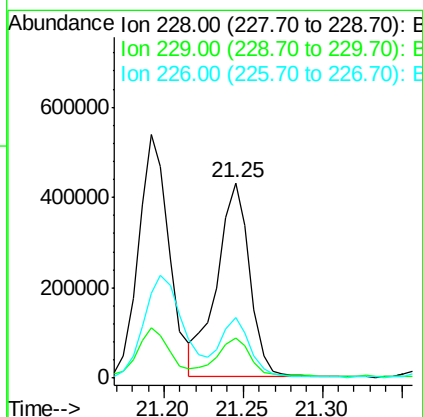
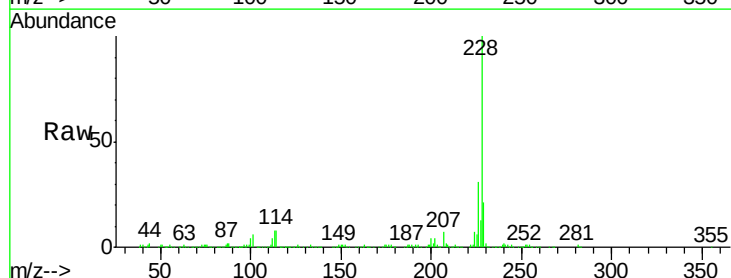
Instrument :
 BNA_N
 ClientSampleId :
 GAJ80

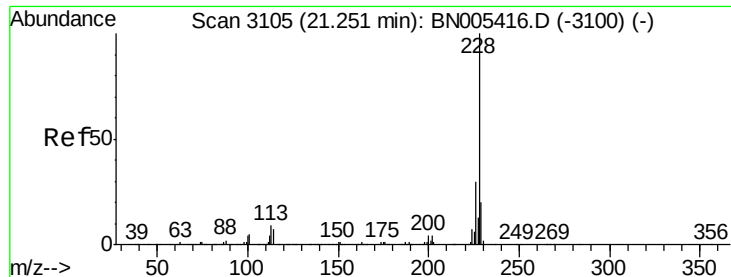
Tgt Ion:202 Resp: 2066637
 Ion Ratio Lower Upper
 202 100
 101 9.9 10.3 15.5#
 100 8.3 7.9 11.9



#82
 Benzo(a)anthracene
 Concen: 6.408 ng/ul
 RT: 21.25 min Scan# 3104
 Delta R.T. 0.05 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

Tgt Ion:228 Resp: 619936
 Ion Ratio Lower Upper
 228 100
 229 20.6 15.8 23.6
 226 30.8 21.4 32.2





#84

Chrysene

Concen: 6.966 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GAJ80

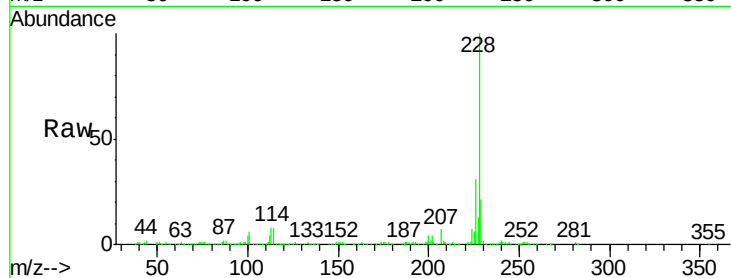
Tgt Ion:228 Resp: 625425

Ion Ratio Lower Upper

228 100

226 30.8 24.0 36.0

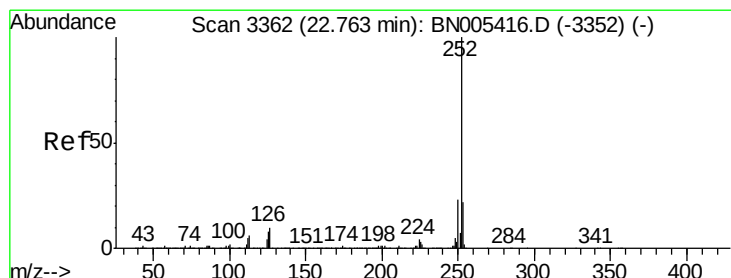
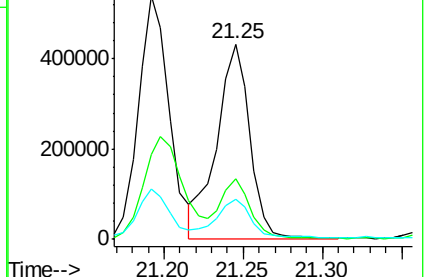
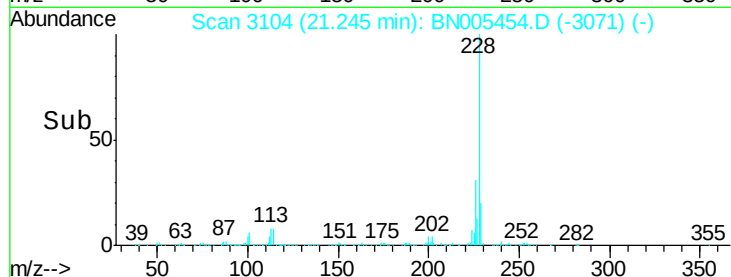
229 20.6 15.4 23.0



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



#87

Benzo(b)fluoranthene

Concen: 5.112 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.00 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

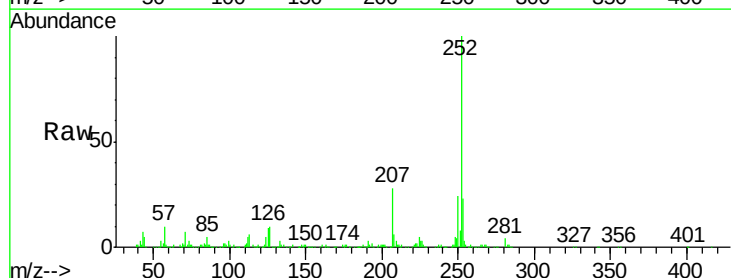
Tgt Ion:252 Resp: 477350

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

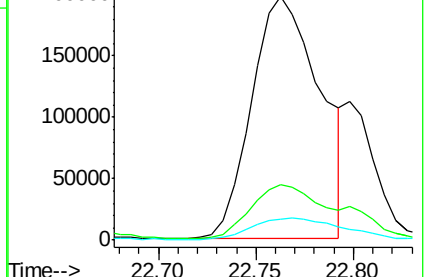
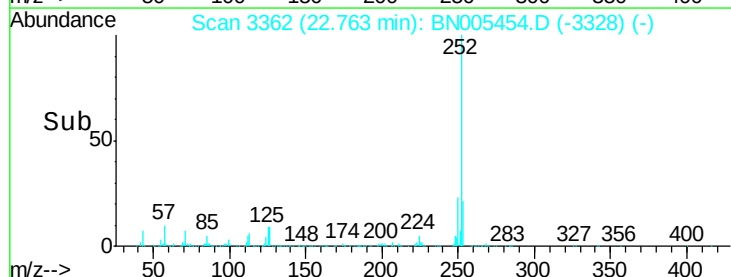
125 8.6 8.4 12.6

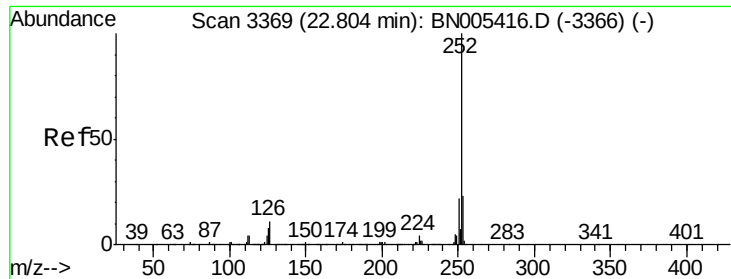


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 5.352 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.04 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

ClientSampled :

GAJ80

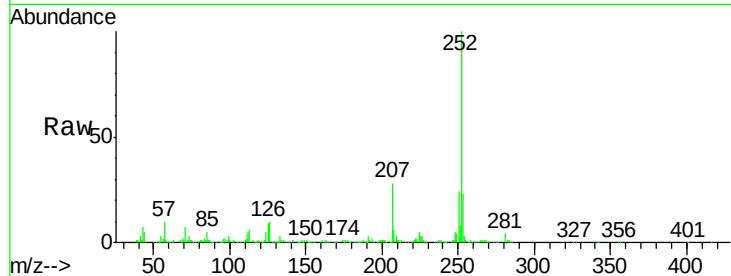
Tgt Ion:252 Resp: 477350

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

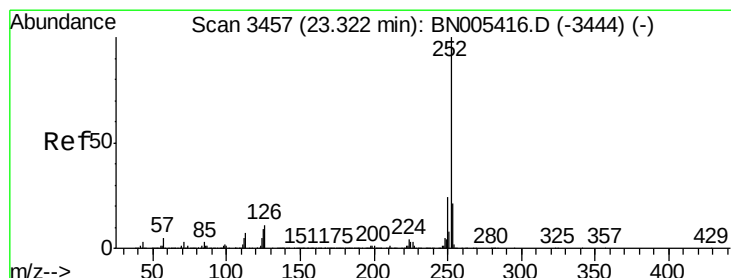
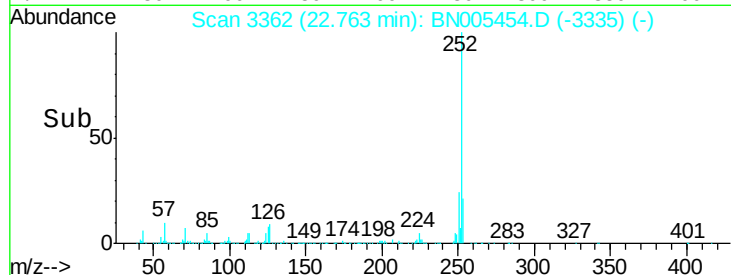
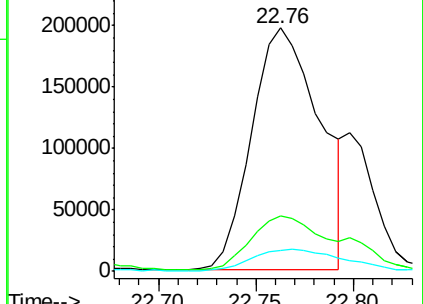
125 8.6 7.5 11.3



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



#90

Benzo(a)pyrene

Concen: 2.918 ng/ul

RT: 23.22 min Scan# 3440

Delta R.T. -0.10 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

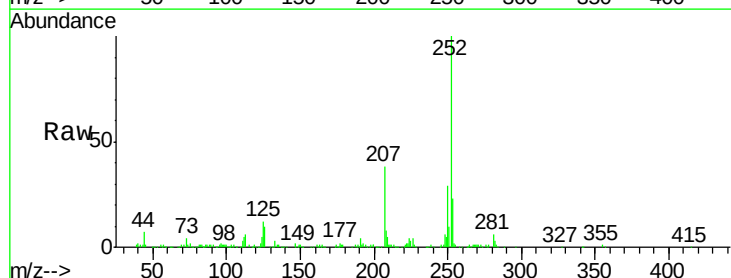
Tgt Ion:252 Resp: 256105

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

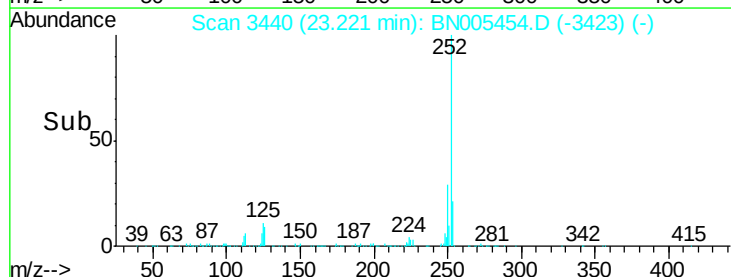
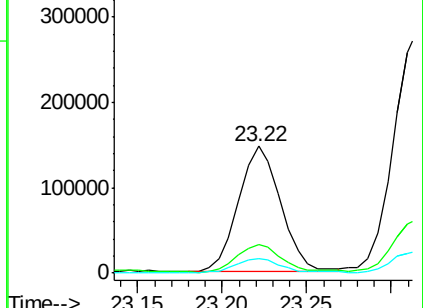
125 11.8 8.6 13.0

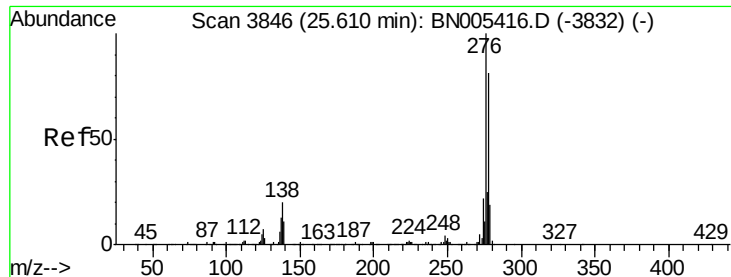


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 1.980 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.02 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GAJ80

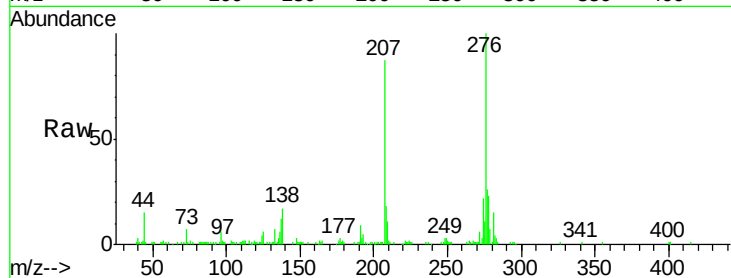
Tgt Ion:276 Resp: 192175

Ion Ratio Lower Upper

276 100

138 16.5 17.9 26.9#

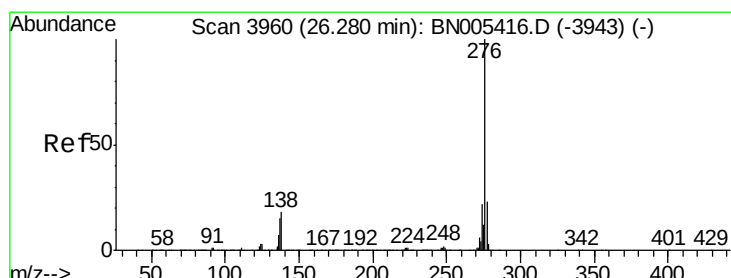
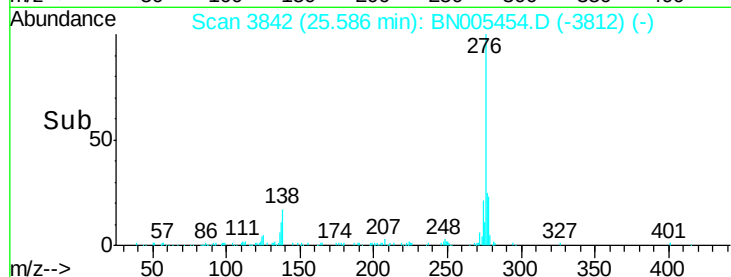
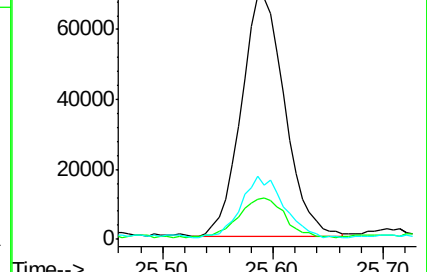
277 25.7 19.7 29.5



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



#93

Benzo(g,h,i)perylene

Concen: 1.824 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.02 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

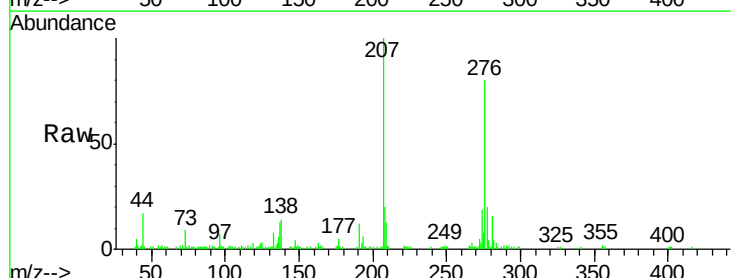
Tgt Ion:276 Resp: 146363

Ion Ratio Lower Upper

276 100

138 17.0 16.7 25.1

277 25.2 18.2 27.2



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

