

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN111319\
 Data File : BN008552.D
 Acq On : 14 Nov 2019 09:34
 Operator : JU
 Sample : K5678-17MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLMA1MS

Quant Time: Nov 14 10:07:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN111319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 14 10:03:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	352482	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1448141	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	903956	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	1793525	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1492374	20.00	ng/ul	0.00
85) Perylene-d12	23.39	264	1679758	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	28485	3.28	ng/uL	0.00
5) Phenol-d5	6.82	99	658446	21.30	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.98	67	423612	22.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	540211	22.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	496207	20.65	ng/ul	0.01
19) Nitrobenzene-d5	8.78	128	265709	26.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	279174	30.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	553993	23.43	ng/ul	0.01
29) 4-Chloroaniline-d4	10.53	131	327704	11.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	1641528	22.94	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	1982218	24.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	135191	12.19	ng/ul	0.02
57) Fluorene-d10	15.26	176	1420805	23.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	132911	19.41	ng/ul	0.00
70) Anthracene-d10	17.10	188	2055374	24.18	ng/ul	0.00
78) Pyrene-d10	19.40	212	2091040	24.54	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	2086593	23.92	ng/ul	0.02

Target Compounds

					Qvalue	
4) Benzaldehyde	6.79	77	18512	1.045	ng/ul#	79
6) Phenol	6.85	94	646814	20.258	ng/ul	98
10) 2-Chlorophenol	7.21	128	500415	20.560	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.44	70	403250	19.873	ng/ul	97
33) 4-Chloro-3-methylphenol	11.69	107	561412	20.568	ng/ul	95
44) Dimethylphthalate	13.73	163	187603	2.708	ng/ul	97
49) Acenaphthene	14.33	153	1265575	22.301	ng/ul	97
52) 4-Nitrophenol	14.48	109	127017	11.666	ng/ul	94
54) 2,4-Dinitrotoluene	14.63	165	378121	24.608	ng/ul	97
68) Pentachlorophenol	16.66	266	116933	10.413	ng/ul	95
69) Phenanthrene	17.05	178	285249	2.936	ng/ul	96
71) Anthracene	17.05	178	285734	2.878	ng/ul	96
75) Di-n-butylphthalate	18.00	149	124132	1.117	ng/ul#	93
76) Fluoranthene	19.07	202	263048	2.357	ng/ul	98
79) Pyrene	19.43	202	2689541	25.178	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.16	149	401554	6.205	ng/ul#	98
84) Chrysene	21.24	228	135304	1.377	ng/ul#	86
87) Benzo(b)fluoranthene	22.74	252	164061	1.565	ng/ul#	28
88) Benzo(k)fluoranthene	22.74	252	164061	1.662	ng/ul#	28
90) Benzo(a)pyrene	23.30	252	107403	1.077	ng/ul#	36
93) Benzo(g,h,i)perylene	26.21	276	96190	1.004	ng/ul#	76

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 14 10:03:48 2019
Response via : Initial Calibration

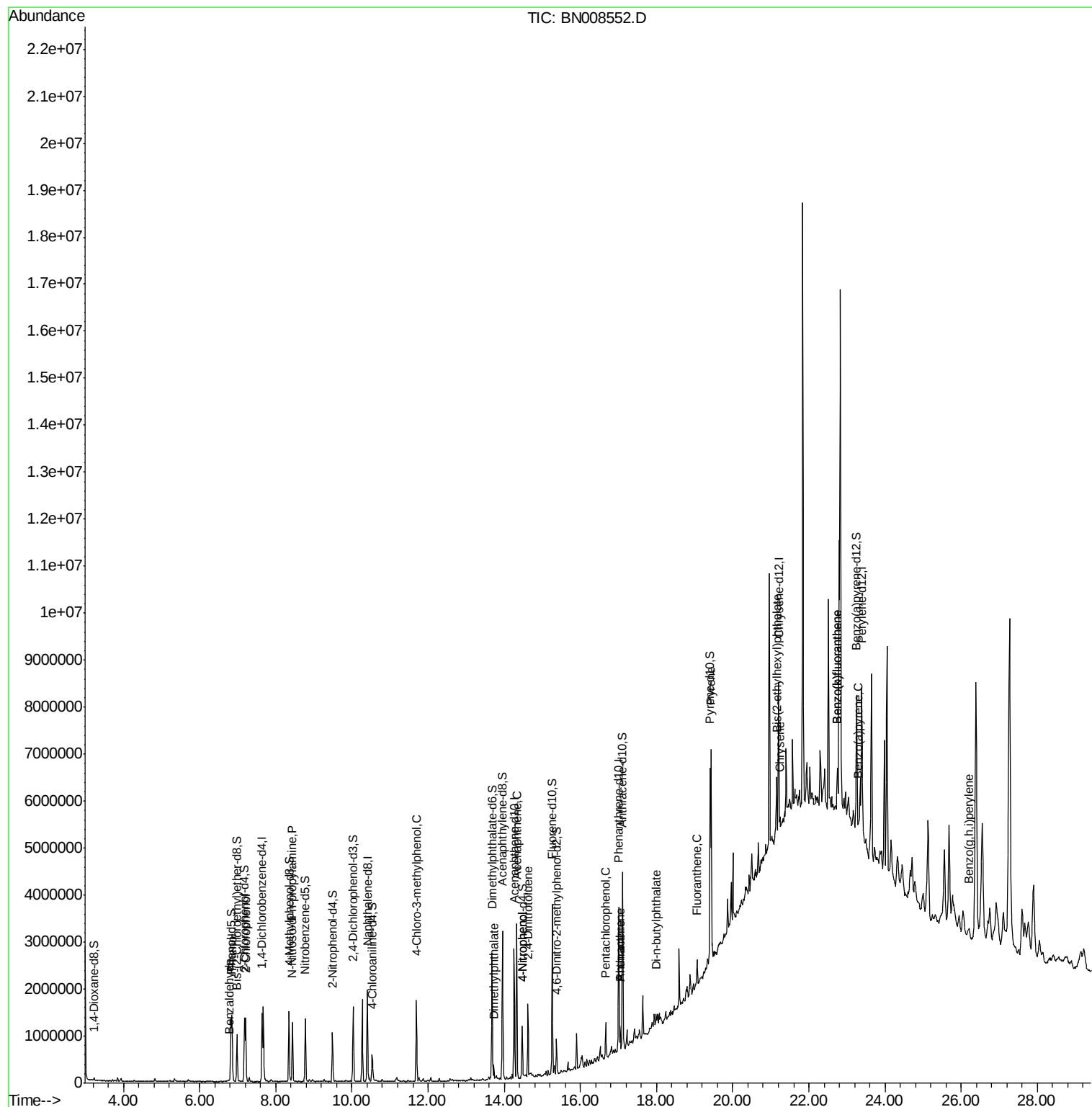
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

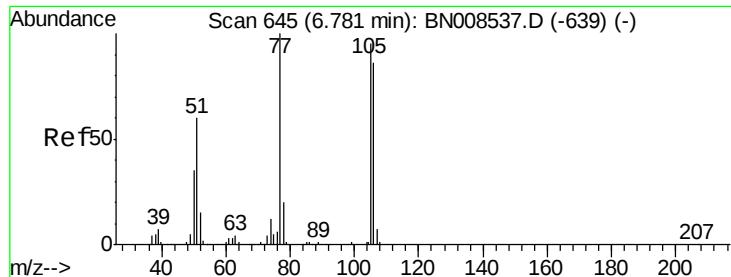
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#4

Benzaldehyde

Concen: 1.045 ng/ul

RT: 6.79 min Scan# 646

Delta R.T. 0.00 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

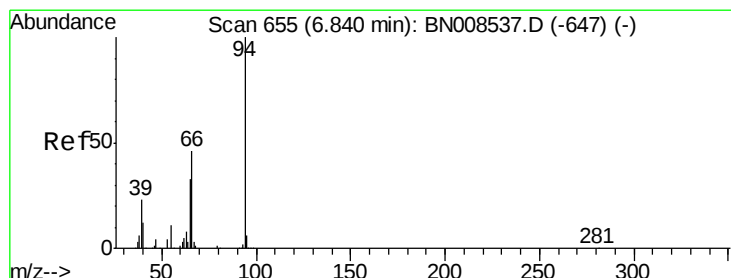
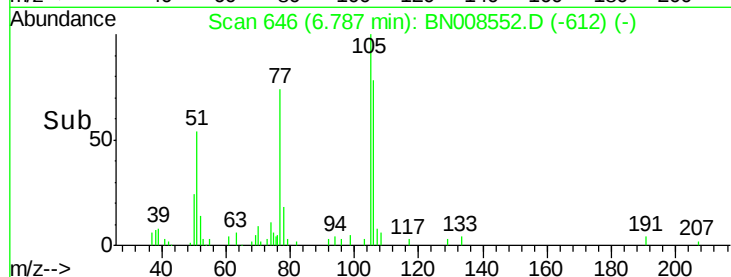
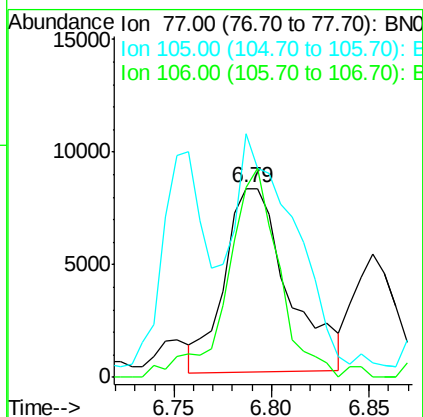
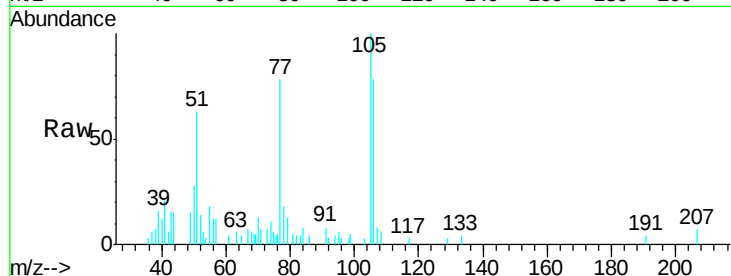
Tgt Ion: 77 Resp: 18512

Ion Ratio Lower Upper

77 100

105 128.9 76.6 114.8#

106 100.4 73.9 110.9



#6

Phenol

Concen: 20.258 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

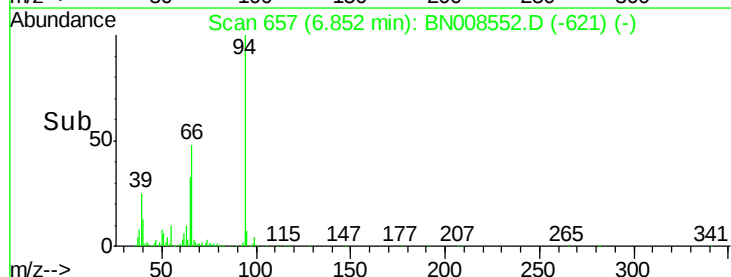
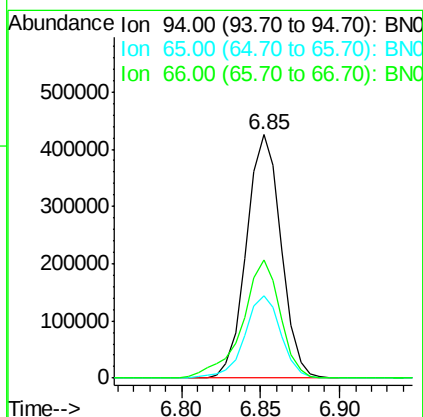
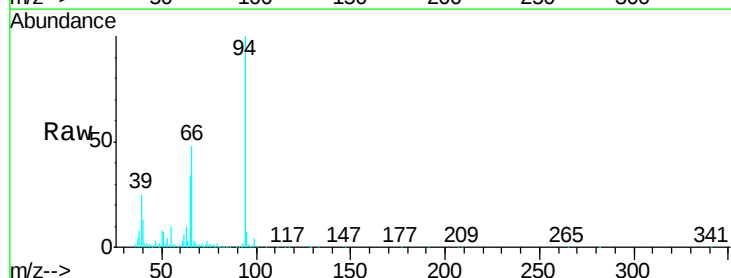
Tgt Ion: 94 Resp: 646814

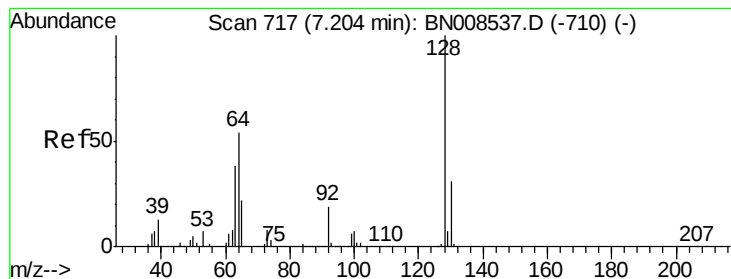
Ion Ratio Lower Upper

94 100

65 33.6 27.7 41.5

66 48.3 37.0 55.6





#10

2-Chlorophenol

Concen: 20.560 ng/ul

RT: 7.21 min Scan# 718

Delta R.T. 0.01 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

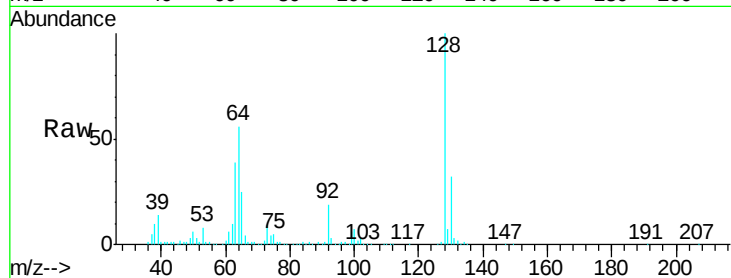
Tgt Ion:128 Resp: 500415

Ion Ratio Lower Upper

128 100

64 56.5 46.2 69.2

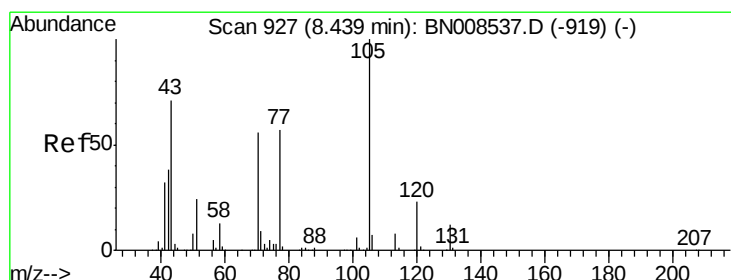
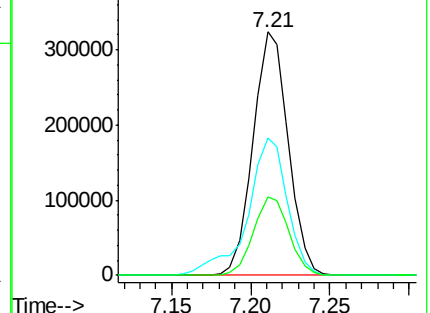
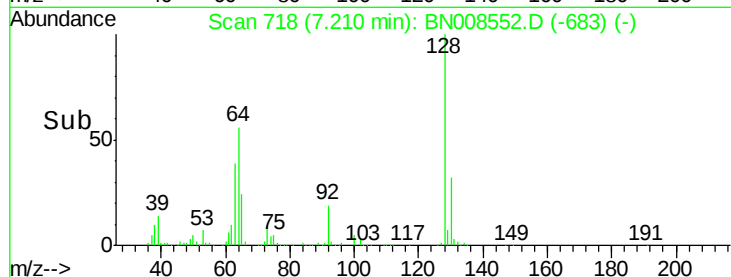
130 32.4 24.6 36.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 130.00 (129.70 to 130.70): E



#15

N-Nitroso-di-n-propylamine

Concen: 19.873 ng/ul

RT: 8.44 min Scan# 927

Delta R.T. 0.00 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Tgt Ion: 70 Resp: 403250

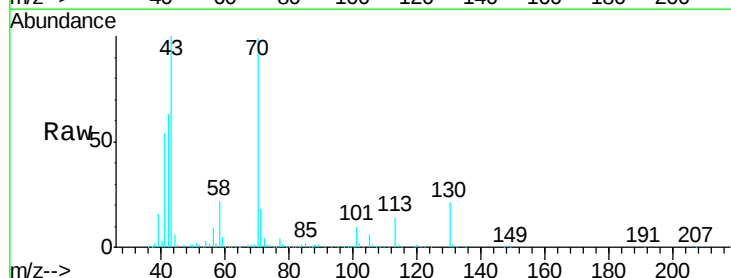
Ion Ratio Lower Upper

70 100

42 63.7 52.0 78.0

101 10.6 7.5 11.3

130 21.5 14.9 22.3

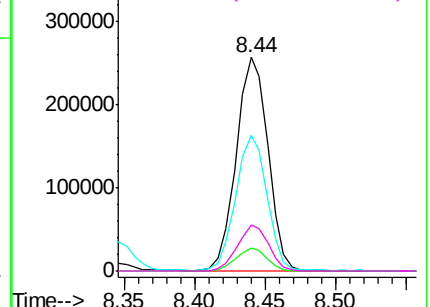
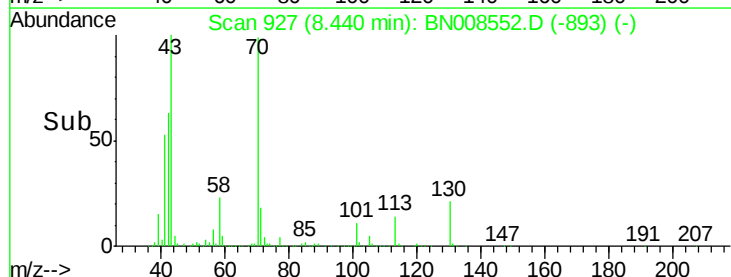


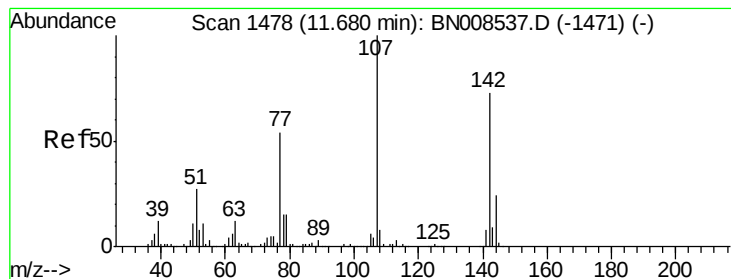
Abundance Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#33

4-Chloro-3-methylphenol

Concen: 20.568 ng/ul

RT: 11.69 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

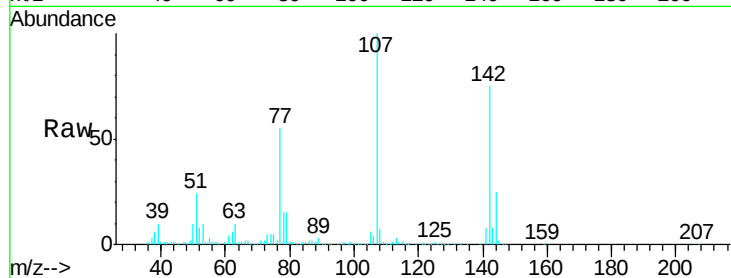
Tgt Ion:107 Resp: 561412

Ion Ratio Lower Upper

107 100

144 24.8 19.2 28.8

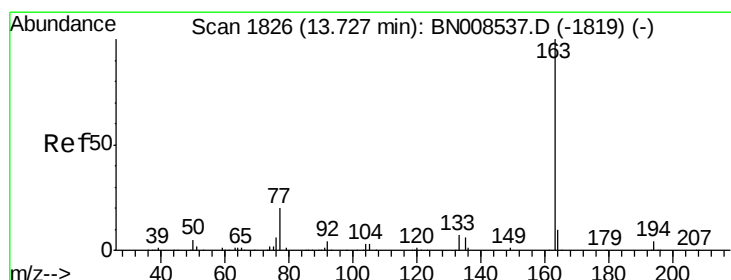
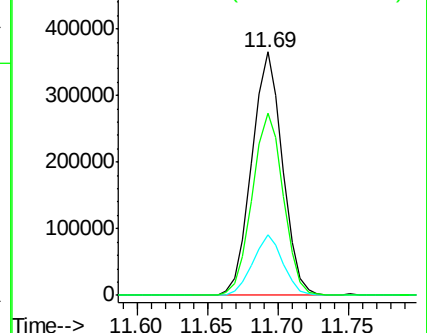
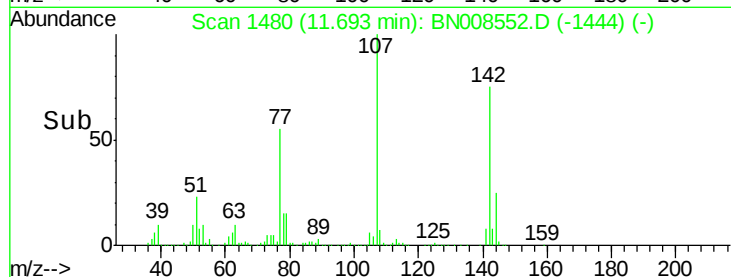
142 75.1 56.2 84.4



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#44

Dimethylphthalate

Concen: 2.708 ng/ul

RT: 13.73 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

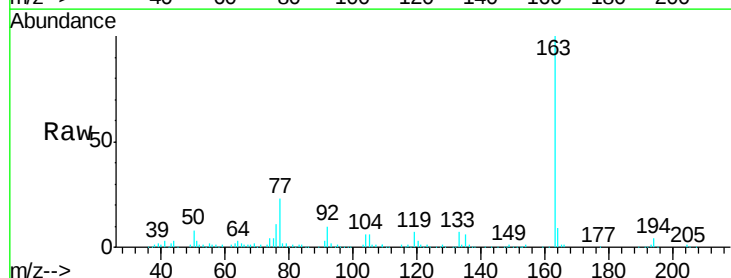
Tgt Ion:163 Resp: 187603

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

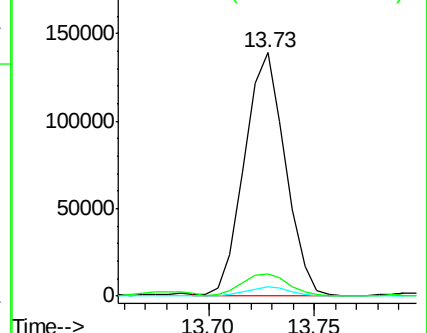
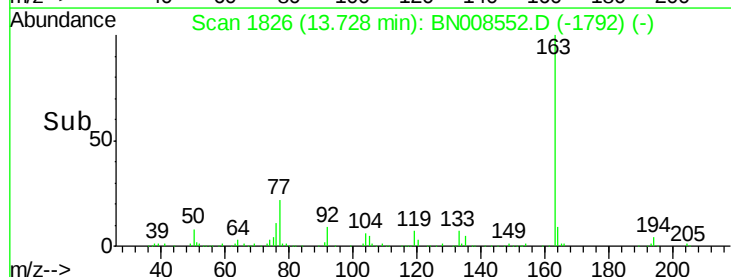
164 8.9 8.1 12.1

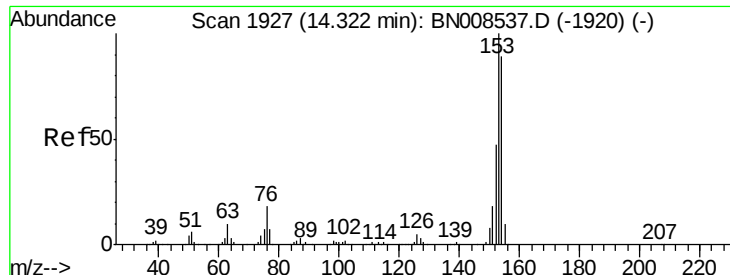


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 22.301 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

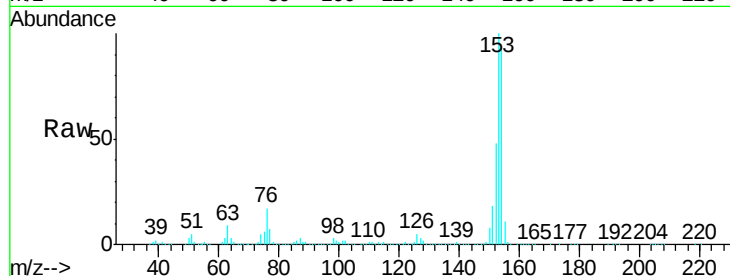
Tgt Ion:153 Resp: 1265575

Ion Ratio Lower Upper

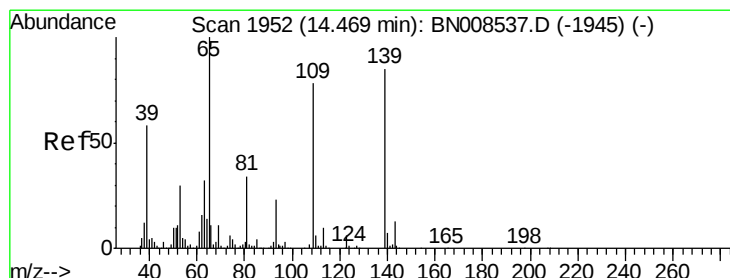
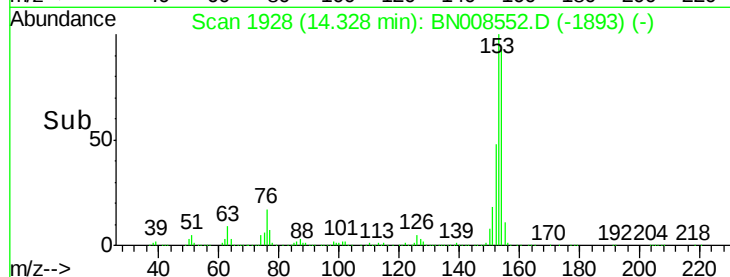
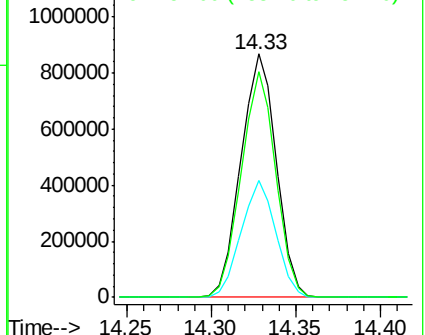
153 100

152 48.3 38.7 58.1

154 92.7 71.3 106.9



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



#52

4-Nitrophenol

Concen: 11.666 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. 0.02 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

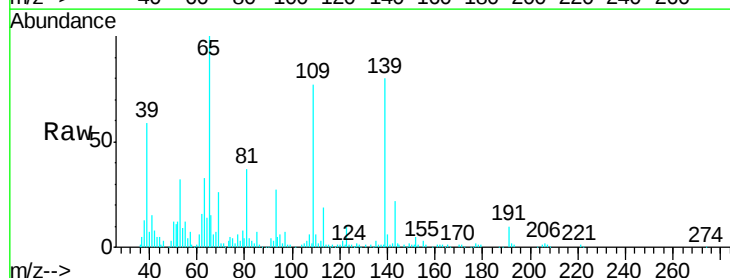
Tgt Ion:109 Resp: 127017

Ion Ratio Lower Upper

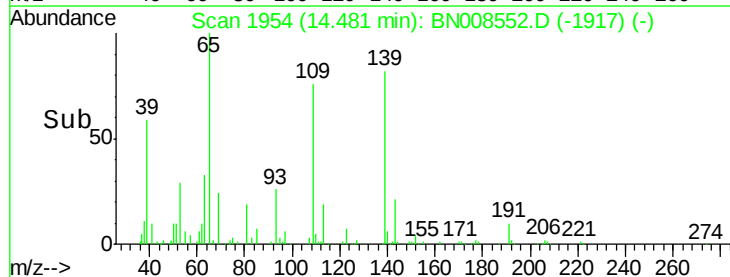
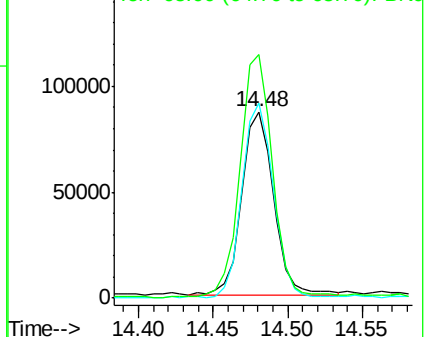
109 100

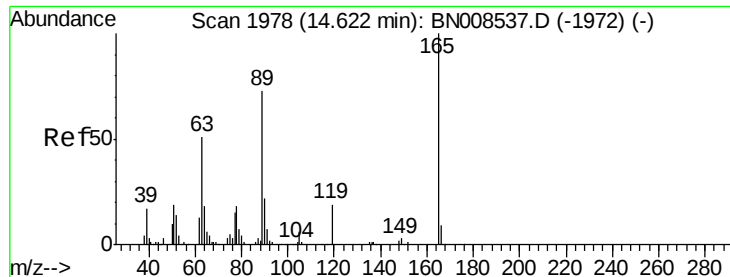
139 104.6 90.8 136.2

65 130.6 109.3 163.9



Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BNO

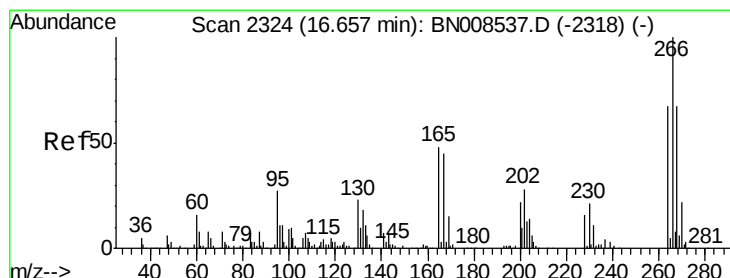
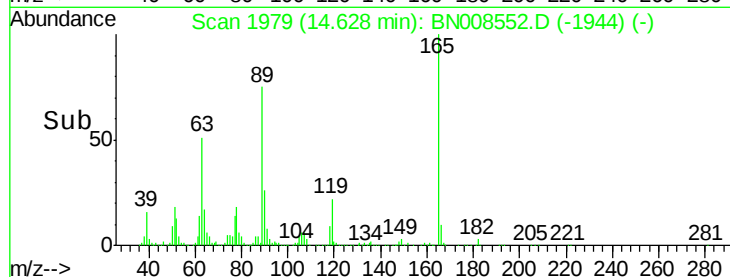
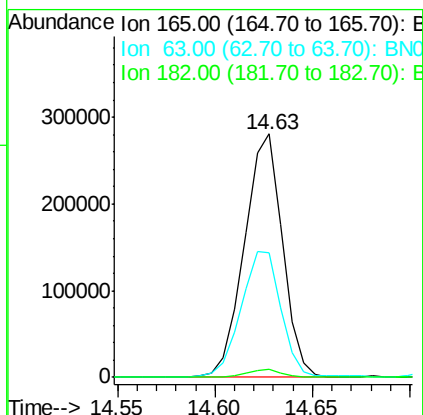
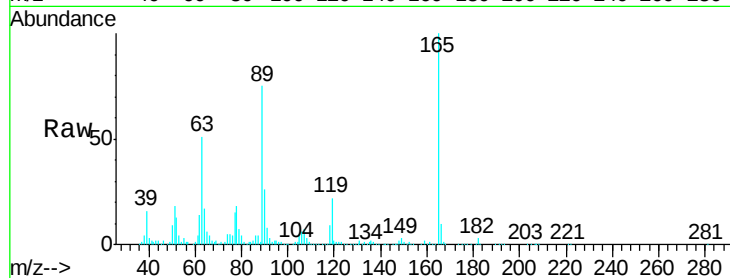




#54
 2,4-Dinitrotoluene
 Concen: 24.608 ng/ul
 RT: 14.63 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: BN008552.D
 Acq: 14 Nov 2019 09:34

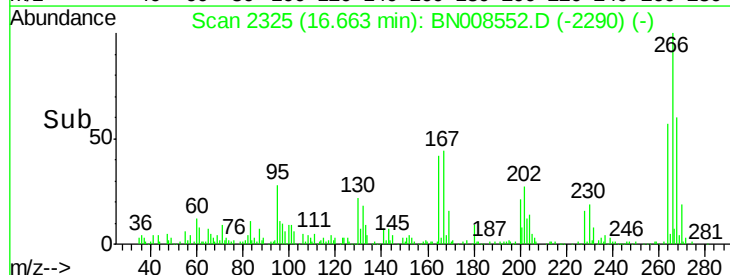
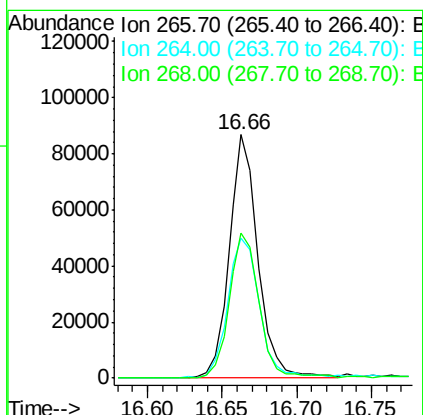
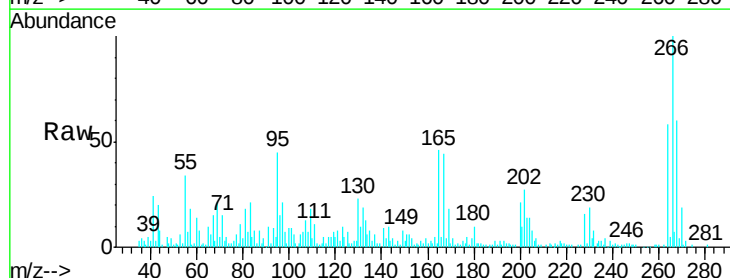
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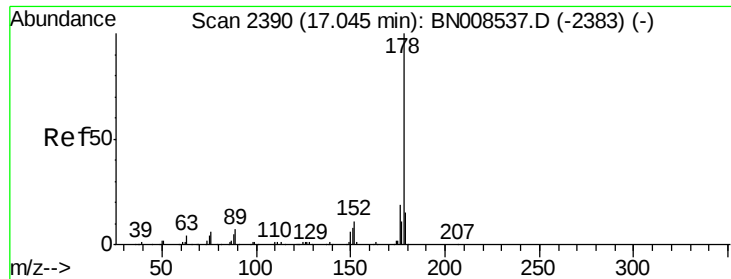
Tgt Ion:165 Resp: 378121
 Ion Ratio Lower Upper
 165 100
 63 51.2 42.7 64.1
 182 3.2 2.3 3.5



#68
 Pentachlorophenol
 Concen: 10.413 ng/ul
 RT: 16.66 min Scan# 2325
 Delta R.T. 0.01 min
 Lab File: BN008552.D
 Acq: 14 Nov 2019 09:34

Tgt Ion:266 Resp: 116933
 Ion Ratio Lower Upper
 266 100
 264 57.5 48.2 72.4
 268 59.8 51.6 77.4





#69

Phenanthrene

Concen: 2.936 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

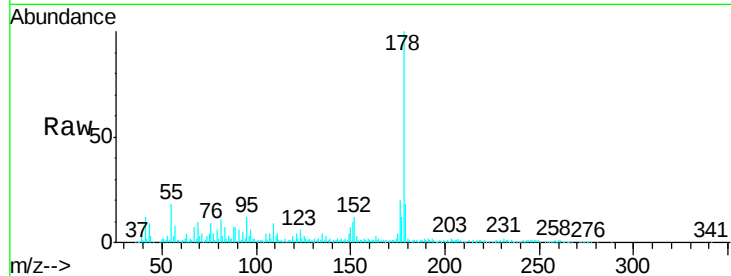
Tgt Ion:178 Resp: 285249

Ion Ratio Lower Upper

178 100

179 17.7 12.1 18.1

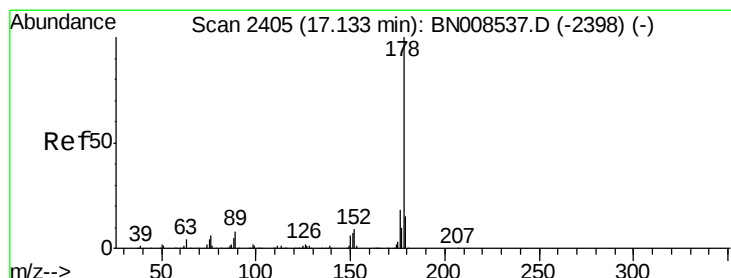
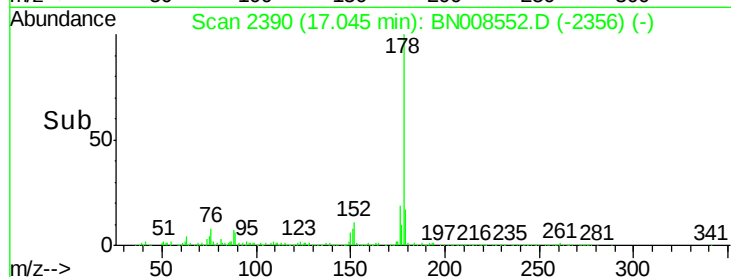
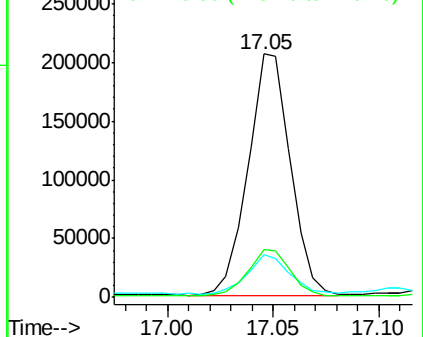
176 19.8 15.3 22.9



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: 2.878 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.09 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

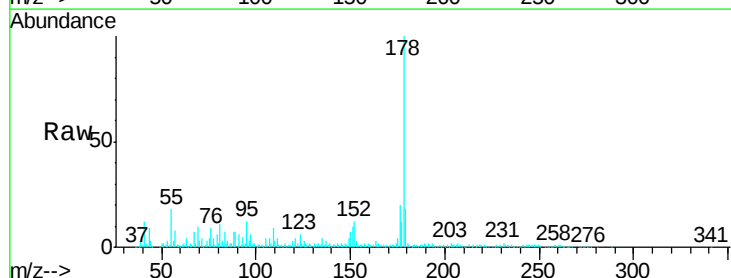
Tgt Ion:178 Resp: 285734

Ion Ratio Lower Upper

178 100

179 17.7 12.8 19.2

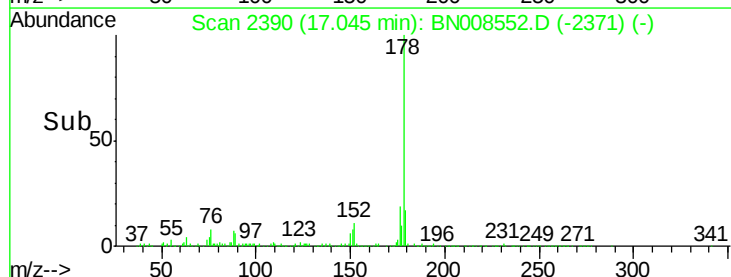
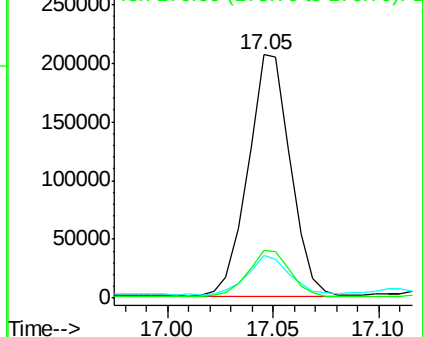
176 19.8 14.6 21.8

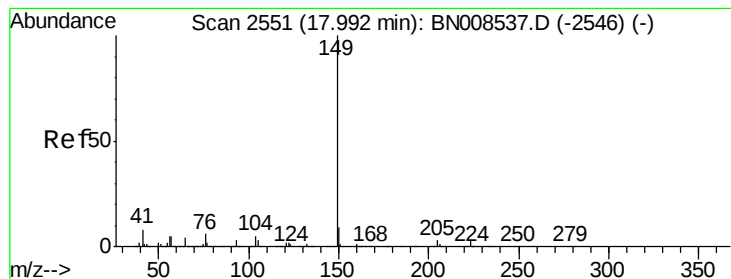


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Di-n-butylphthalate

Concen: 1.117 ng/ul

RT: 18.00 min Scan# 2552

Delta R.T. 0.00 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

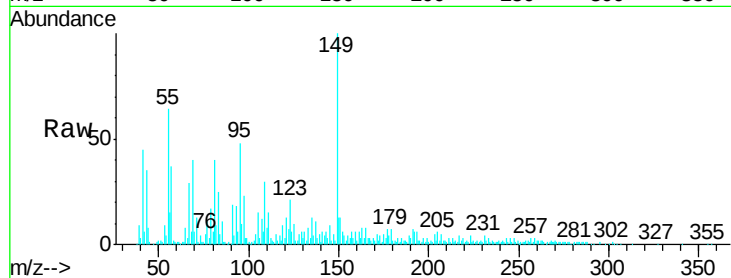
Tgt Ion:149 Resp: 124132

Ion Ratio Lower Upper

149 100

150 12.6 7.0 10.4#

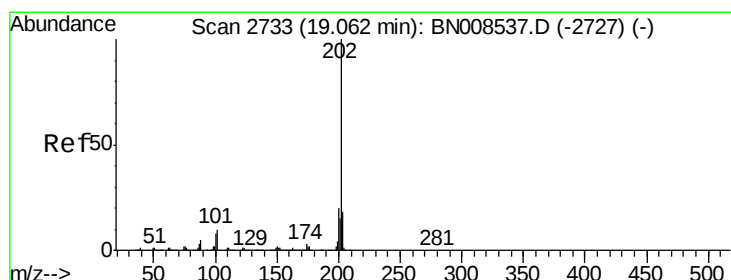
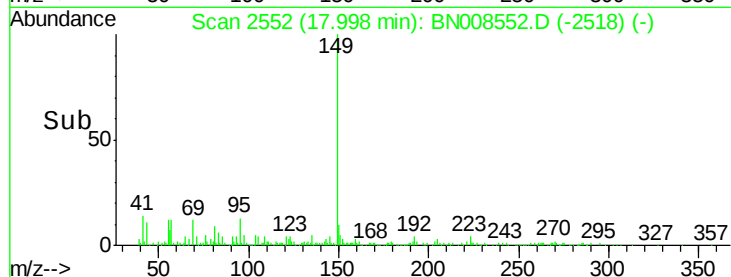
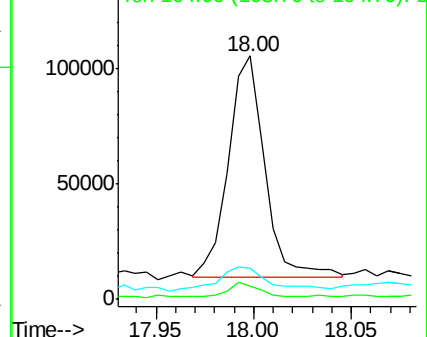
104 5.4 4.5 6.7



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: 2.357 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

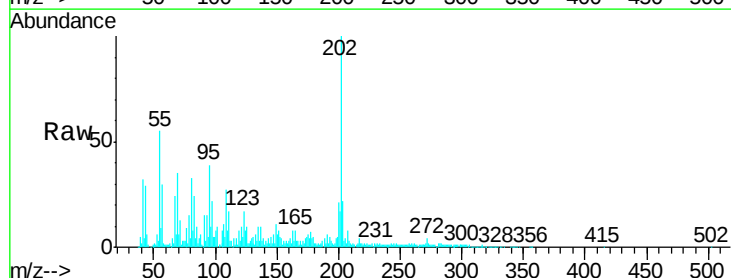
Tgt Ion:202 Resp: 263048

Ion Ratio Lower Upper

202 100

101 9.7 8.6 12.8

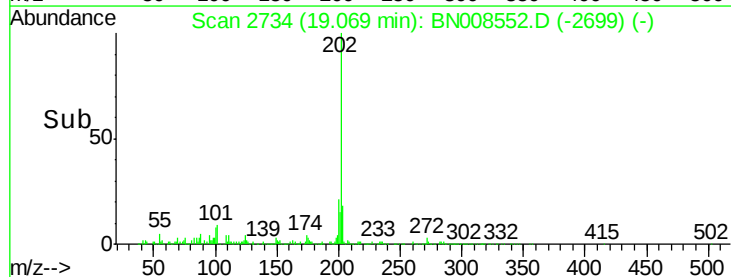
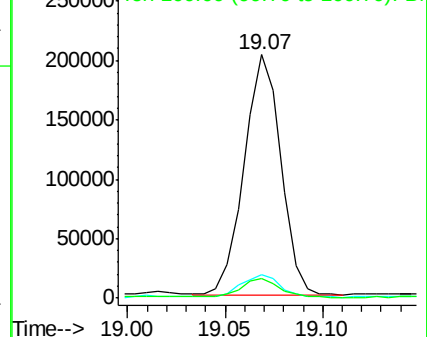
100 8.1 6.8 10.2

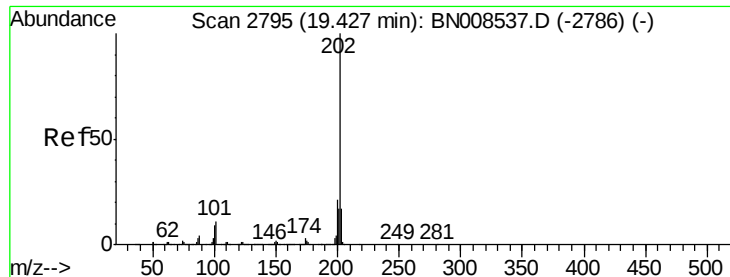


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 25.178 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

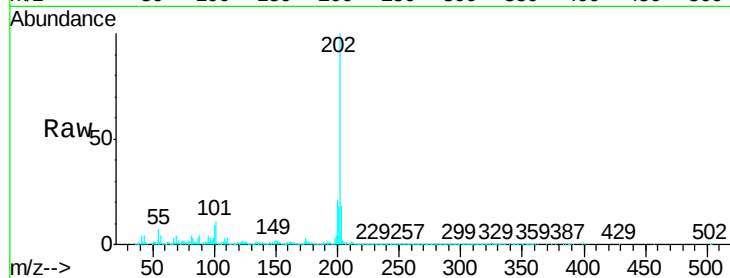
Tgt Ion:202 Resp: 2689541

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.6

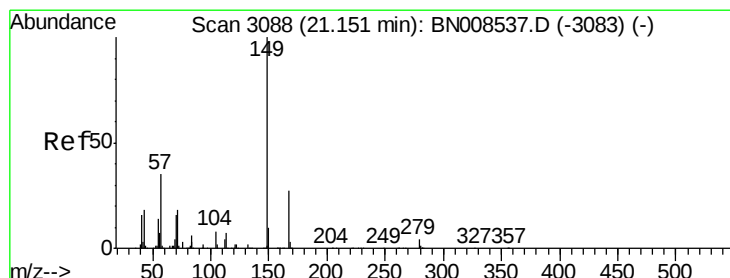
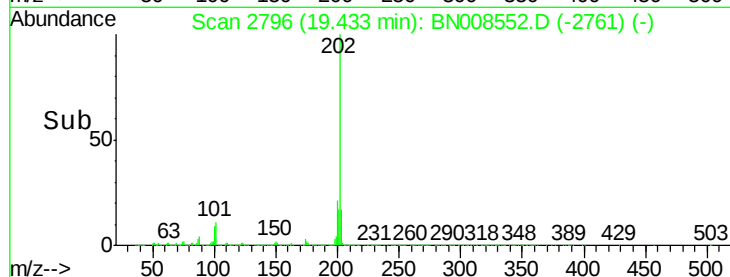
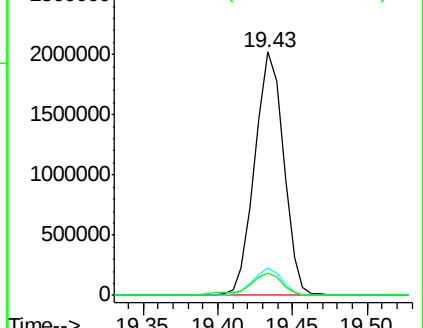
100 9.3 7.8 11.8



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): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.205 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

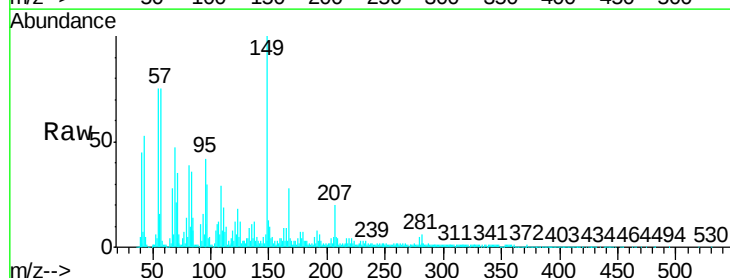
Tgt Ion:149 Resp: 401554

Ion Ratio Lower Upper

149 100

167 28.4 22.1 33.1

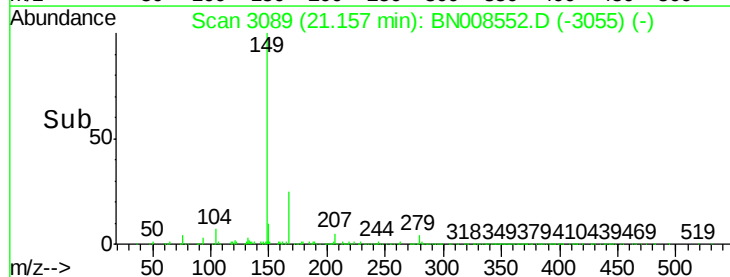
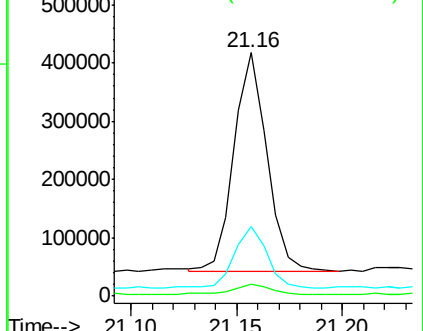
279 4.8 2.9 4.3#

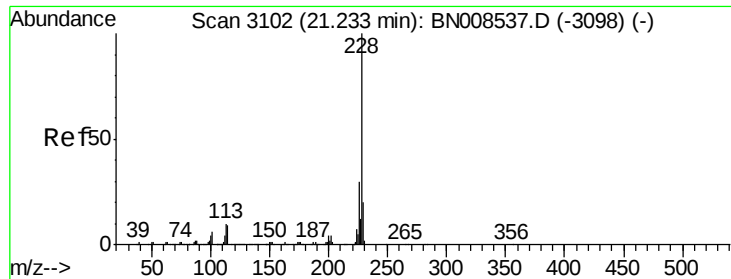


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 1.377 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

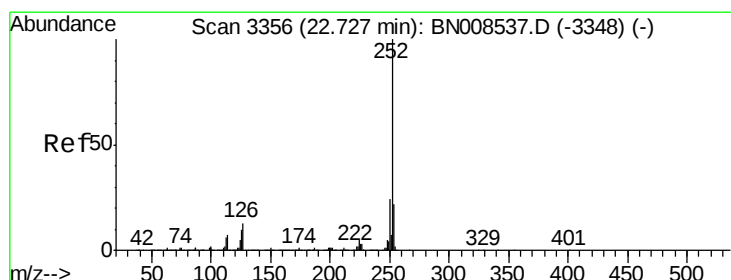
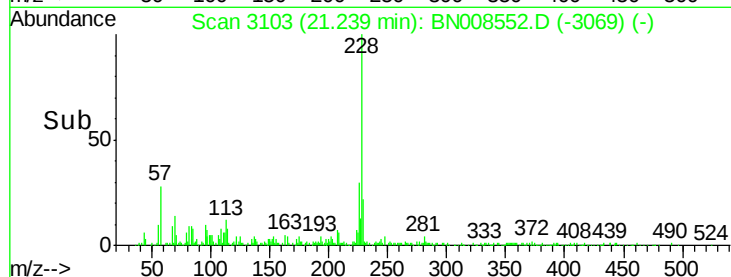
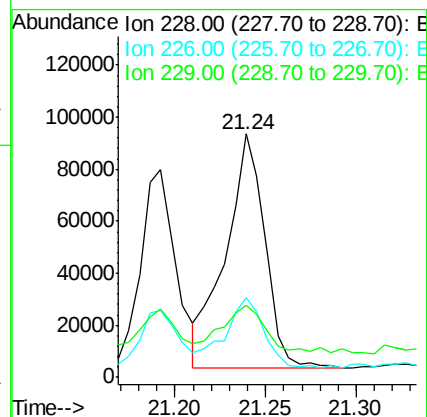
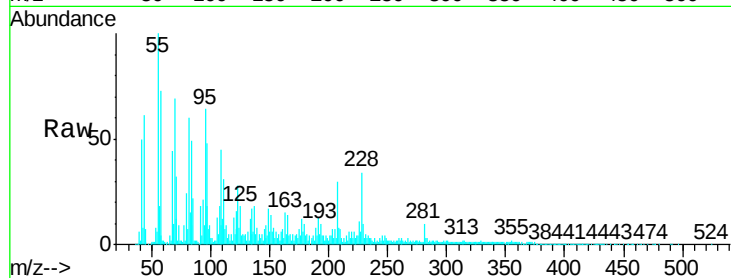
Tgt Ion:228 Resp: 135304

Ion Ratio Lower Upper

228 100

226 32.8 22.8 34.2

229 29.9 16.0 24.0#



#87

Benzo(b)fluoranthene

Concen: 1.565 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

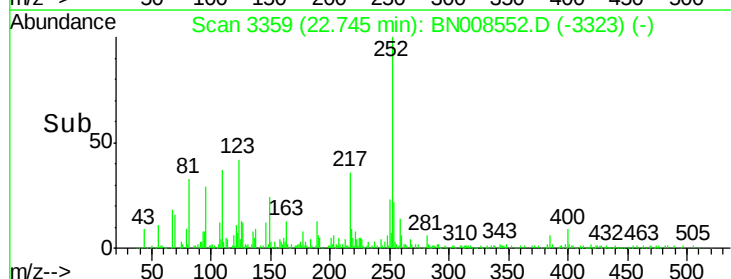
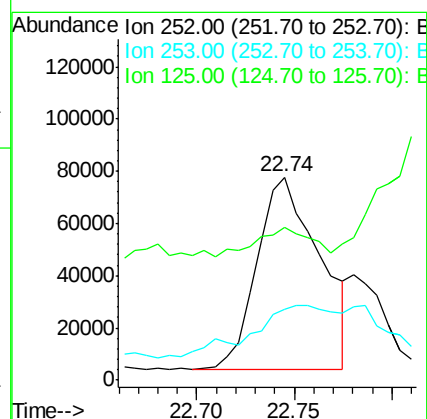
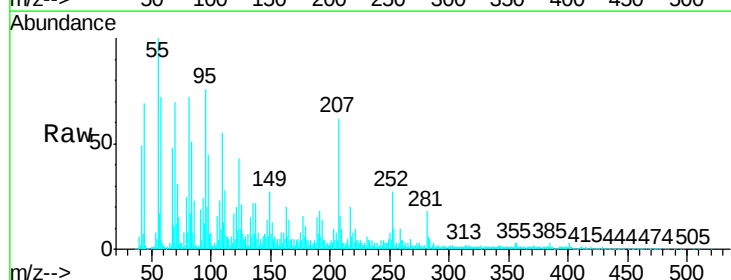
Tgt Ion:252 Resp: 164061

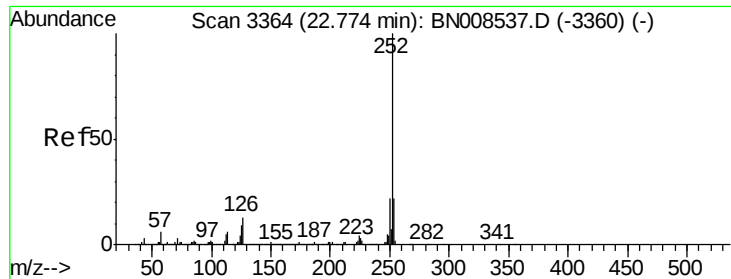
Ion Ratio Lower Upper

252 100

253 34.8 17.8 26.8#

125 75.4 7.8 11.6#





#88

Benzo(k)fluoranthene

Concen: 1.662 ng/u1

RT: 22.74 min Scan# 3359

Delta R.T. -0.03 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

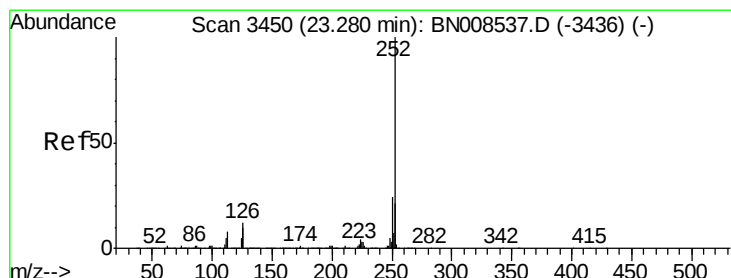
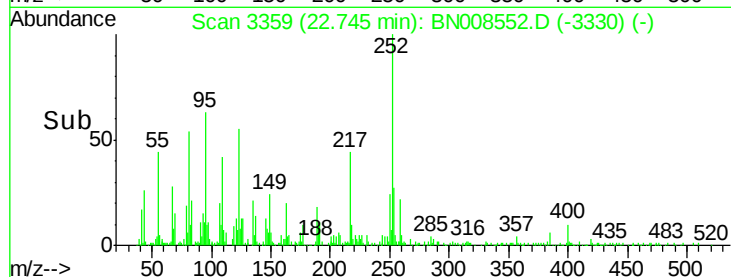
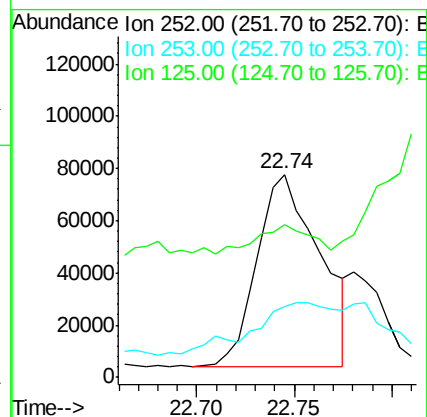
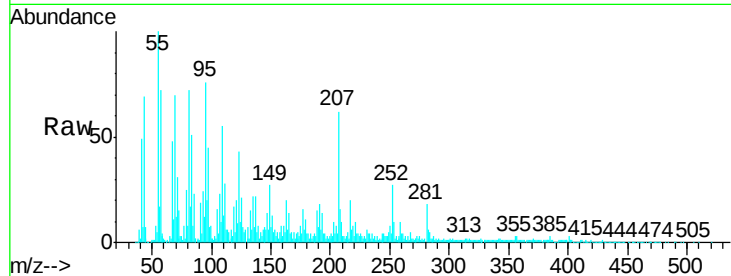
Tgt Ion:252 Resp: 164061

Ion Ratio Lower Upper

252 100

253 34.8 17.7 26.5#

125 75.4 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 1.077 ng/u1

RT: 23.30 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

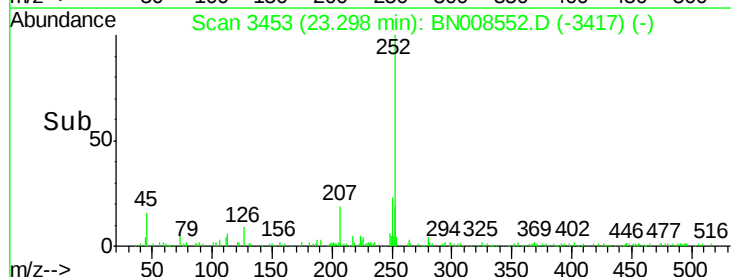
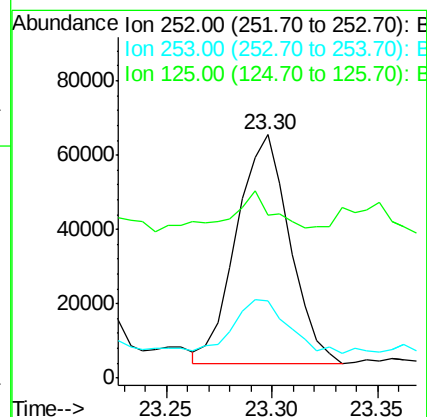
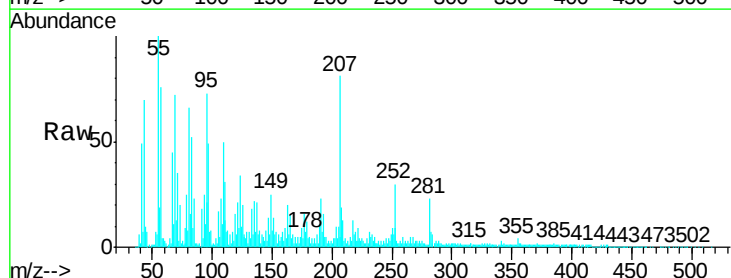
Tgt Ion:252 Resp: 107403

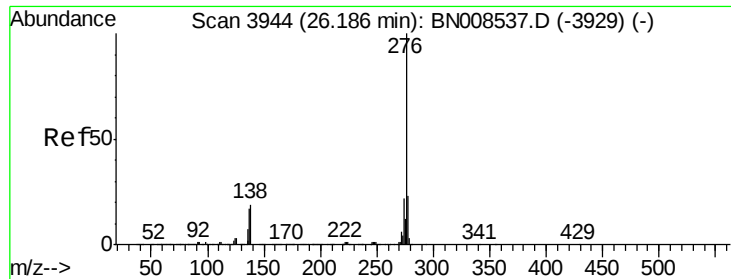
Ion Ratio Lower Upper

252 100

253 31.9 17.2 25.8#

125 66.8 8.6 12.8#





#93

Benzo(g,h,i)perylene

Concen: 1.004 ng/u1

RT: 26.21 min Scan# 3948

Delta R.T. 0.02 min

Lab File: BN008552.D

Acq: 14 Nov 2019 09:34

Instrument :

BNA_N

ClientSampleId :

JLMA1MS

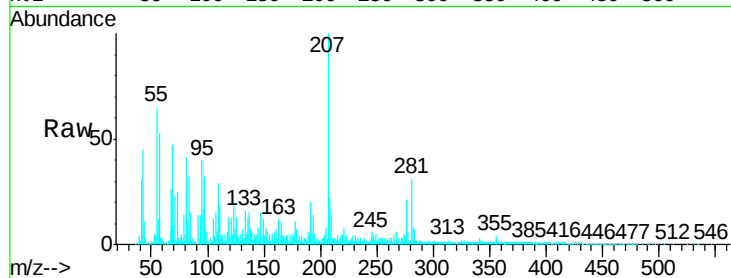
Tgt Ion:276 Resp: 96190

Ion Ratio Lower Upper

276 100

138 37.0 16.4 24.6#

277 29.2 18.2 27.4#



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

