

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009520.D
 Acq On : 31 Jan 2020 20:36
 Operator : CG/JU
 Sample : L1271-11 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 31 22:20:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	191258	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.20	136	785067	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.09	164	498773	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.85	188	941317	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	840652	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	889731	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2223	0.48	ng/uL	0.01
5) Phenol-d5	6.65	99	47071	2.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	35308	2.93	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	37155	3.00	ng/ul	-0.01
13) 4-Methylphenol-d8	8.16	113	37965	2.81	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	18605	3.26	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.31	143	19344	3.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	37589	3.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	2592	0.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.52	166	136588	3.70	ng/ul	0.00
46) Acenaphthylene-d8	13.78	160	142862	3.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	24844	3.62	ng/ul	0.00
57) Fluorene-d10	15.09	176	112545	3.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	15753	2.76	ng/ul	0.00
70) Anthracene-d10	16.95	188	155498	3.57	ng/ul	0.00
78) Pyrene-d10	19.25	212	158022	3.49	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	153258	3.41	ng/ul	0.00

Target Compounds

					Ovalue	
34) 2-Methylnaphthalene	11.87	142	232172	7.983	ng/ul	98
40) 1,1'-Biphenyl	12.92	154	2153923	57.031	ng/ul	99
47) Acenaphthylene	13.81	152	3383353	71.554	ng/ul	97
49) Acenaphthene	14.15	153	556439	17.250	ng/ul	97
53) Dibenzofuran	14.49	168	720618	16.078	ng/ul	95
54) 2,4-Dinitrotoluene	14.46	165	48685	4.514	ng/ul#	41
58) Fluorene	15.15	166	3124754	83.205	ng/ul	94
60) 4-Nitroaniline	15.15	138	36091	4.735	ng/ul#	14
64) N-Nitrosodiphenylamine	15.37	169	69051	2.477	ng/ul#	81
69) Phenanthrene	16.90	178	14966426	281.782	ng/ul	96
71) Anthracene	16.97	178	720692	13.327	ng/ul	99
76) Fluoranthene	18.92	202	3013279	49.490	ng/ul	99
79) Pyrene	19.28	202	4447722	73.071	ng/ul	99
82) Benzo(a)anthracene	21.09	228	1372821	23.981	ng/ul	96
84) Chrysene	21.09	228	1372821	24.617	ng/ul	98
87) Benzo(b)fluoranthene	22.55	252	783838	13.933	ng/ul	97
88) Benzo(k)fluoranthene	22.55	252	783838	14.170	ng/ul	97
90) Benzo(a)pyrene	23.07	252	300683	5.954	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.23	276	283191	4.628	ng/ul	95
92) Dibenz(a,h)anthracene	25.24	278	106241	2.058	ng/ul	98
93) Benzo(a,h,i)perylene	25.86	276	214120	4.206	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration

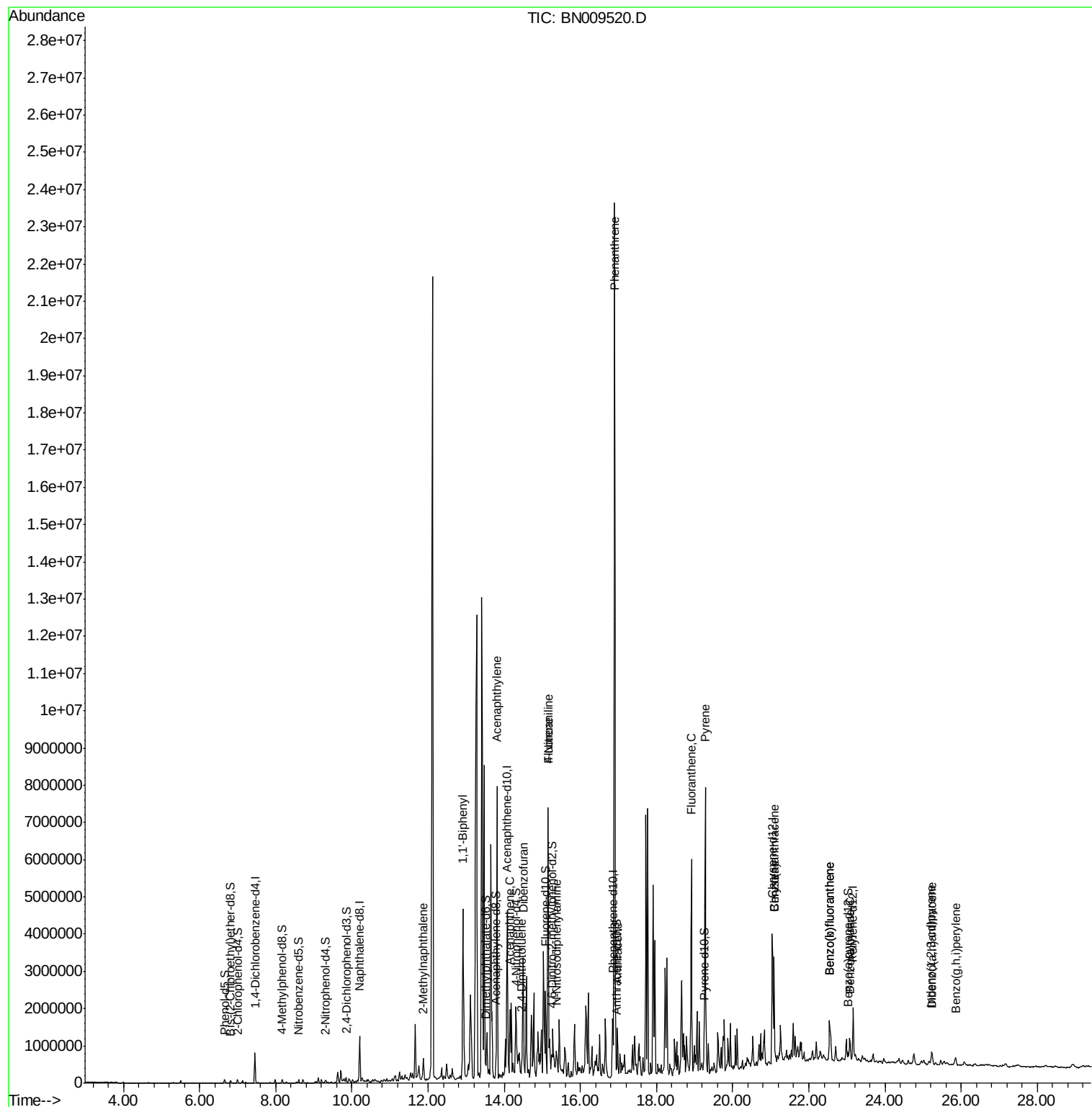
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

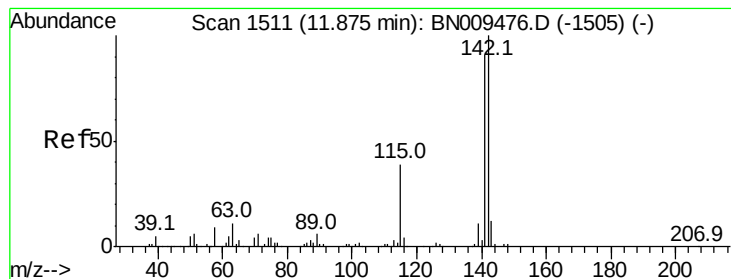
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#34

2-Methylnaphthalene

Concen: 7.983 ng/ul

RT: 11.87 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Instrument :

BNA_N

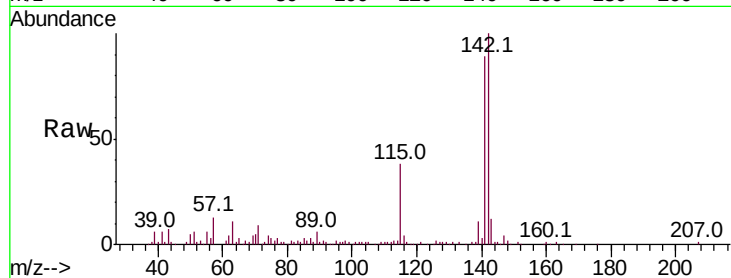
ClientSampleId :

Tot Ion:142 Resp: 232172

Ion Ratio Lower Upper

142 100

141 88.6 69.3 103.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

150000

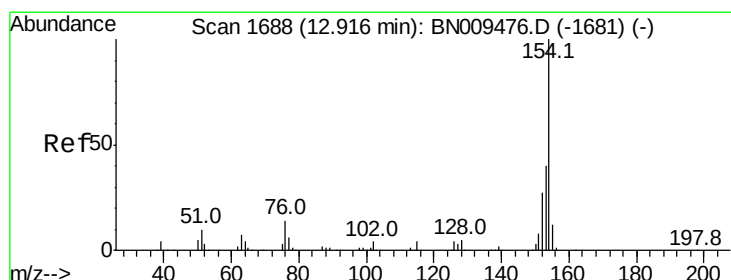
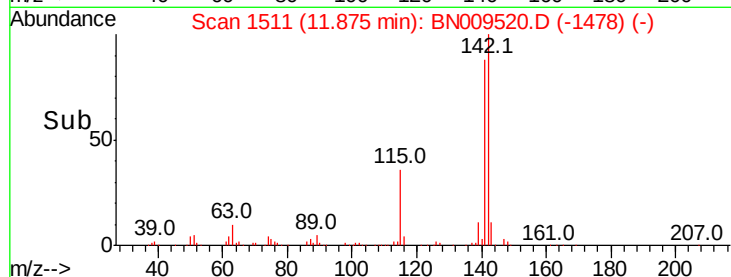
100000

50000

0

11.80 11.85 11.90 11.95

Time-->



#40

1,1'-Biphenyl

Concen: 57.031 ng/ul

RT: 12.92 min Scan# 1688

Delta R.T. -0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

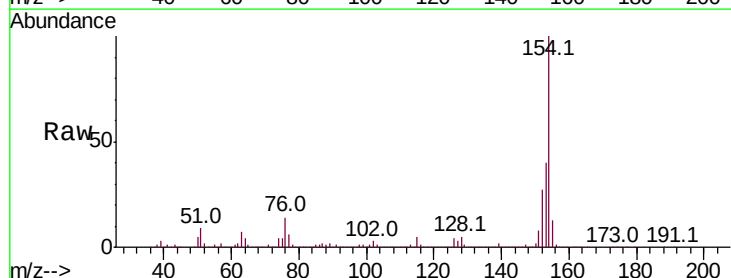
Tgt Ion:154 Resp: 2153923

Ion Ratio Lower Upper

154 100

153 40.5 32.6 49.0

76 13.5 11.4 17.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC

2000000

1500000

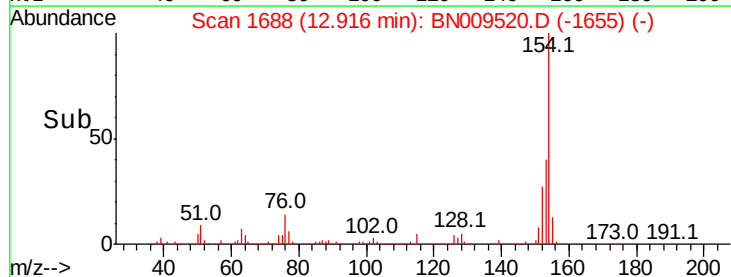
1000000

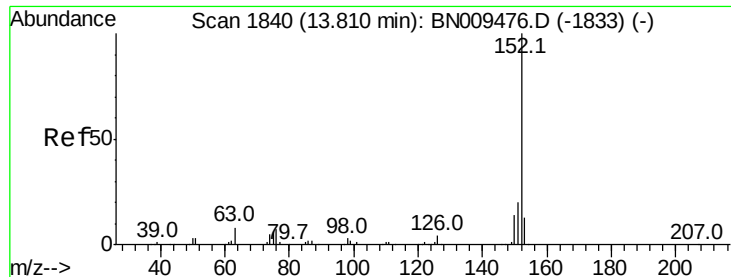
500000

0

12.90 13.00

Time-->





#47

Acenaphthylene

Concen: 71.554 ng/ul

RT: 13.81 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

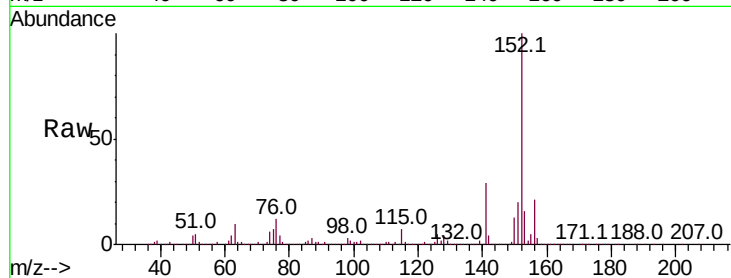
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 3383353

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	15.6	10.8	16.2

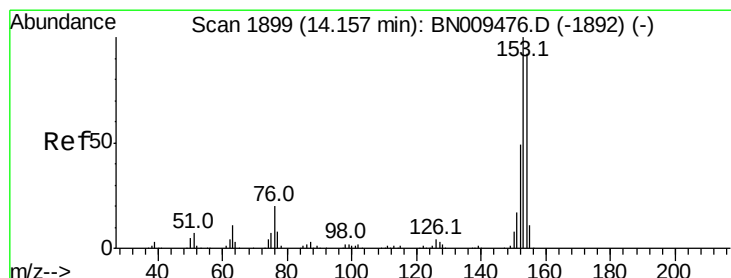
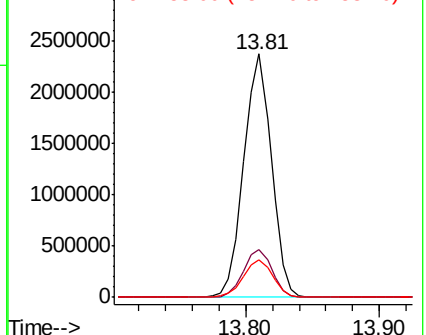
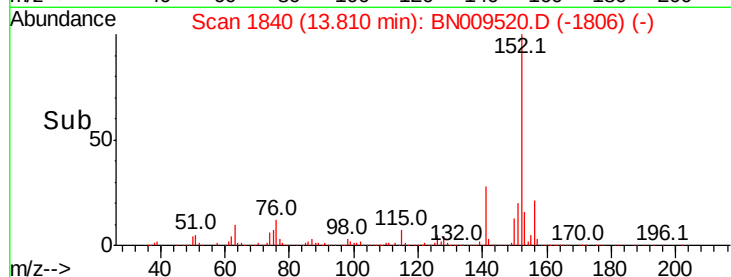


Abundance

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



#49

Acenaphthene

Concen: 17.250 ng/ul

RT: 14.15 min Scan# 1898

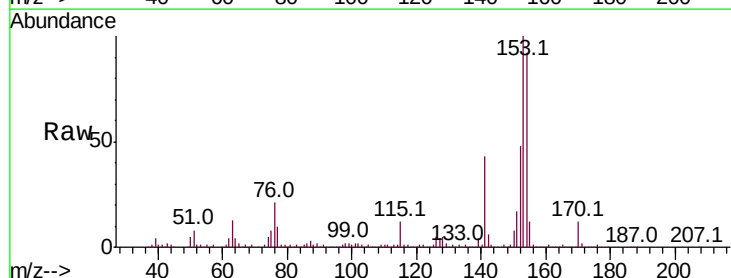
Delta R.T. -0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Tgt Ion:153 Resp: 556439

Ion	Ratio	Lower	Upper
153	100		
152	48.2	36.3	54.5
154	91.9	71.4	107.0

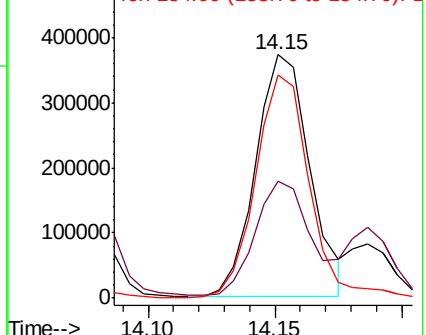
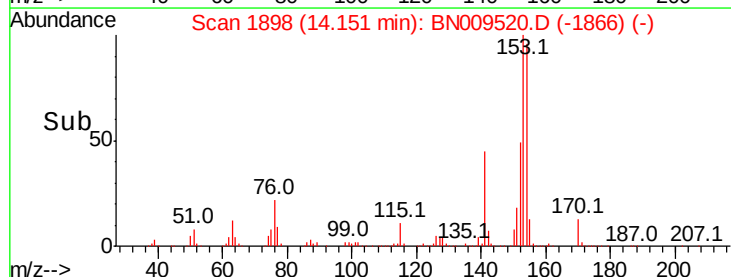


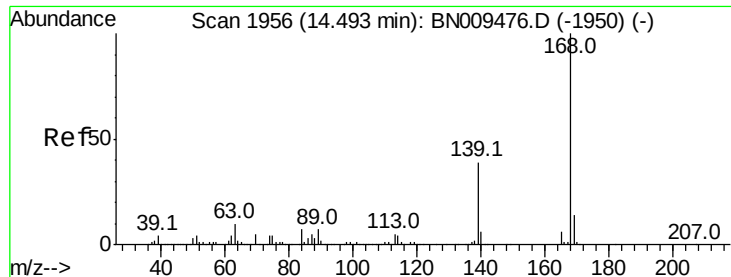
Abundance

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: 16.078 ng/ul

RT: 14.49 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Instrument :

BNA_N

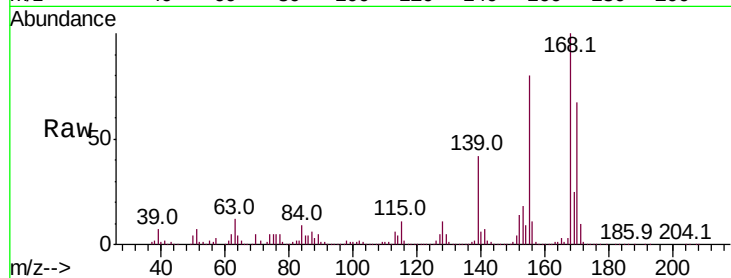
ClientSampleId :

Tot Ion:168 Resp: 720618

Ion Ratio Lower Upper

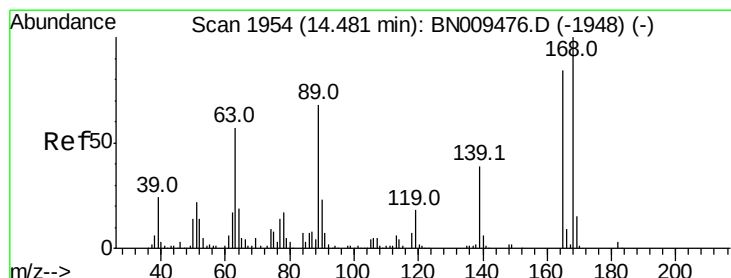
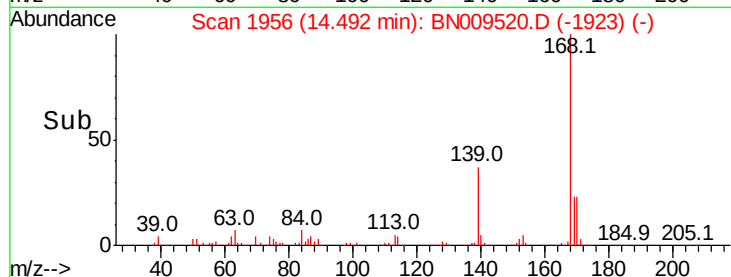
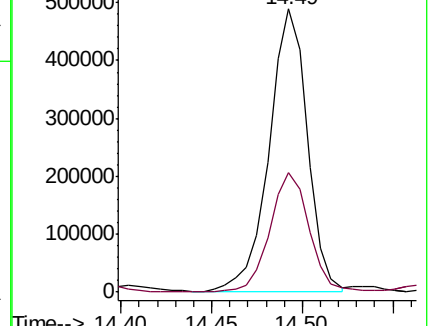
168 100

139 42.1 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 4.514 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

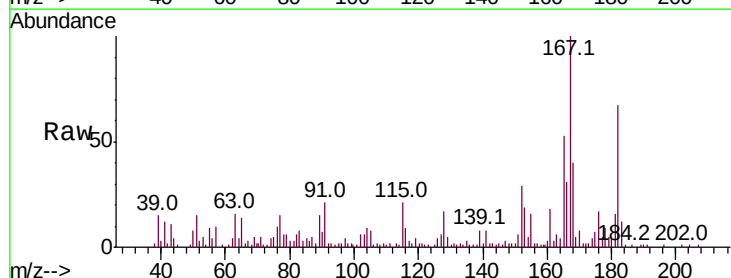
Tgt Ion:165 Resp: 48685

Ion Ratio Lower Upper

165 100

63 29.8 55.4 83.0#

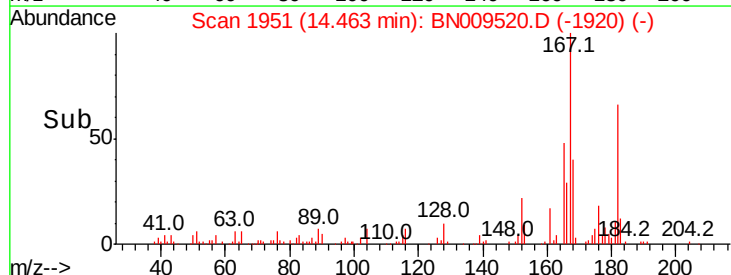
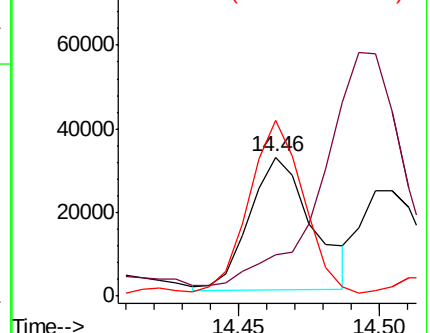
182 127.0 2.0 3.0#

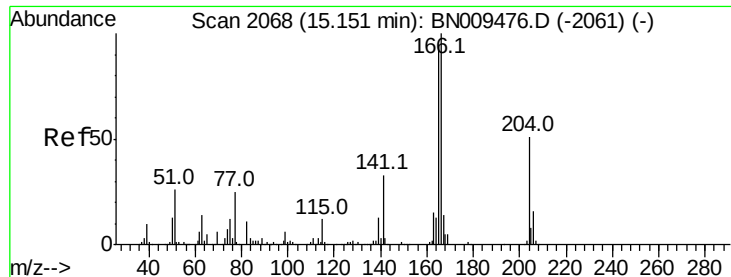


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 83.205 ng/ul

RT: 15.15 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Instrument :

BNA_N

ClientSampled :

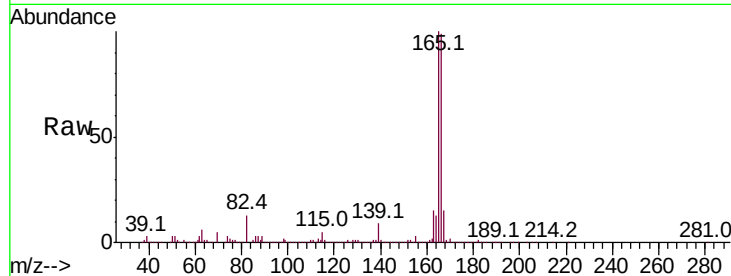
Tot Ion:166 Resp: 3124754

Ion Ratio Lower Upper

166 100

165 101.1 76.5 114.7

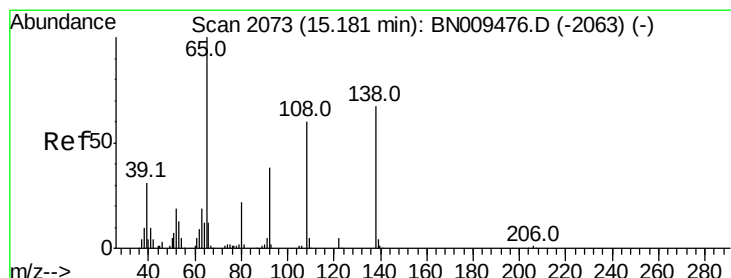
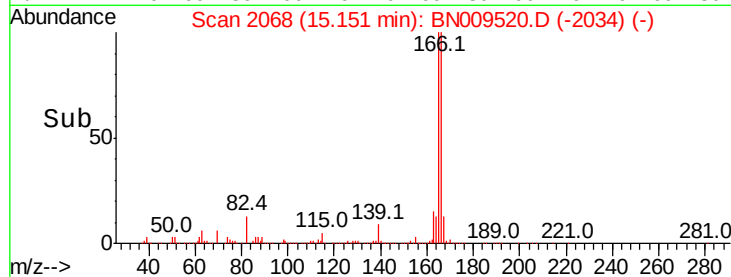
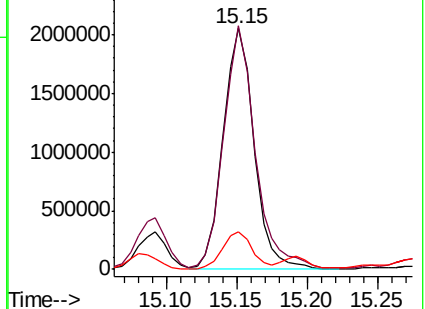
167 15.7 10.9 16.3



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



#60

4-Nitroaniline

Concen: 4.735 ng/ul

RT: 15.15 min Scan# 2068

Delta R.T. -0.03 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

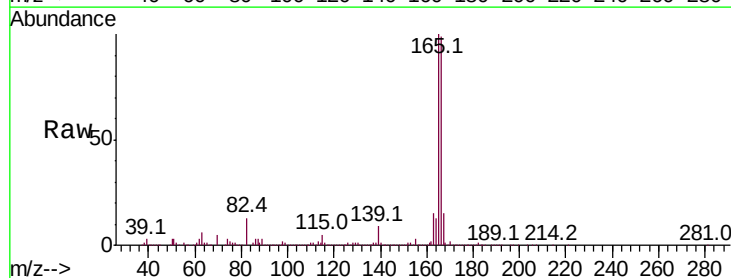
Tgt Ion:138 Resp: 36091

Ion Ratio Lower Upper

138 100

92 5.3 51.0 76.4#

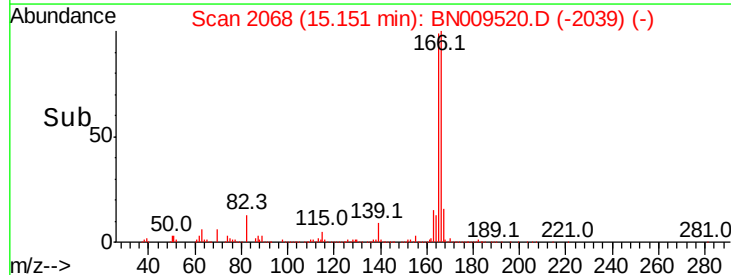
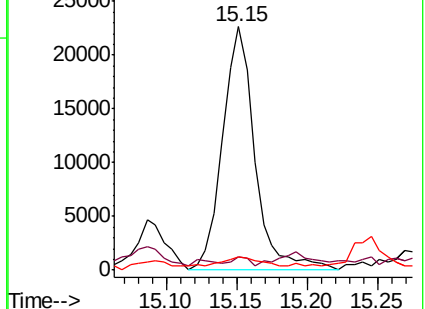
108 5.3 77.2 115.8#

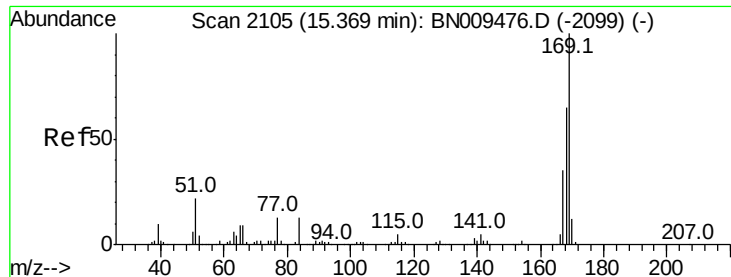


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E



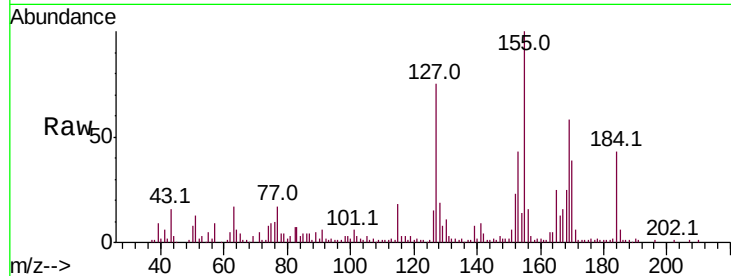


#64

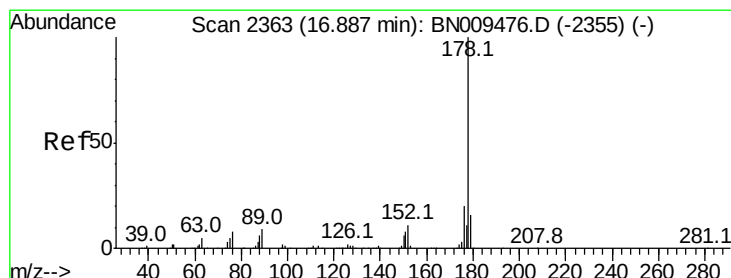
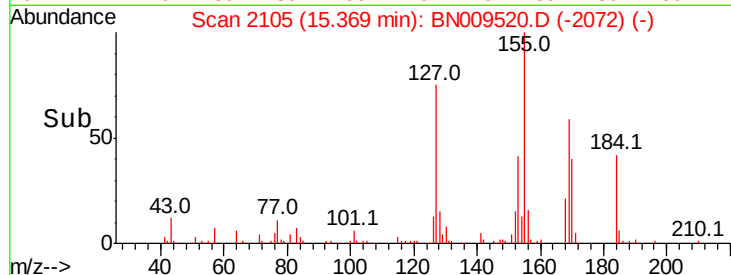
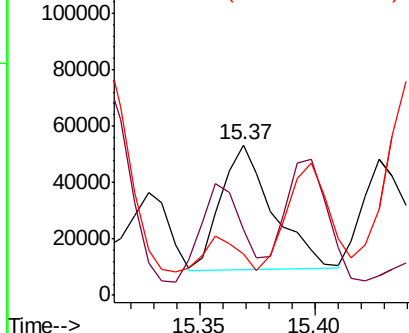
N-Nitrosodiphenylamine
 Concen: 2.477 ng/ul
 RT: 15.37 min Scan# 2105
 Delta R.T. -0.01 min
 Lab File: BN009520.D
 Acq: 31 Jan 2020 20:36

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:169 Resp: 69051
 Ion Ratio Lower Upper
 169 100
 168 44.1 49.8 74.8#
 167 27.5 27.6 41.4#



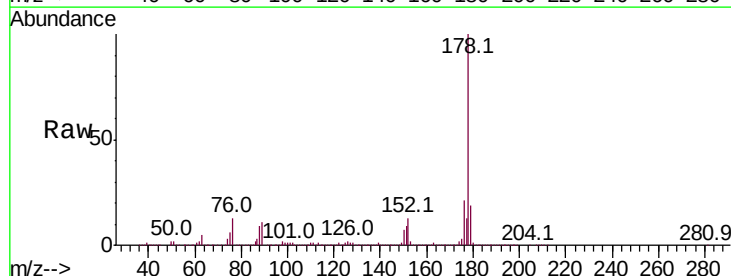
Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E



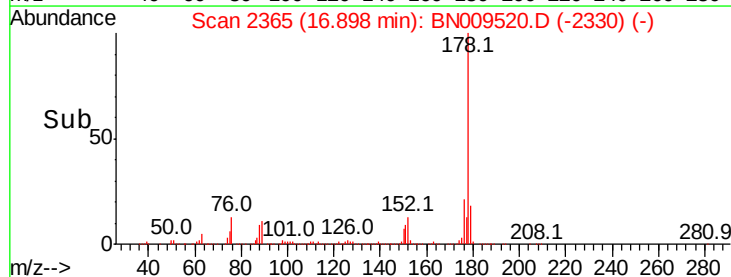
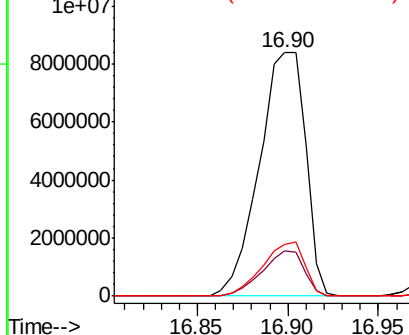
#69

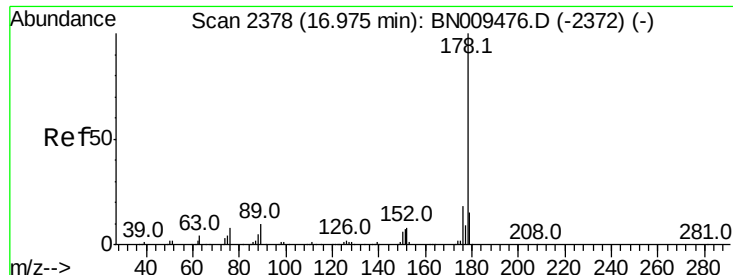
Phenanthrene
 Concen: 281.782 ng/ul
 RT: 16.90 min Scan# 2365
 Delta R.T. 0.01 min
 Lab File: BN009520.D
 Acq: 31 Jan 2020 20:36

Tgt Ion:178 Resp:14966426
 Ion Ratio Lower Upper
 178 100
 179 18.5 13.3 19.9
 176 21.4 15.5 23.3



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

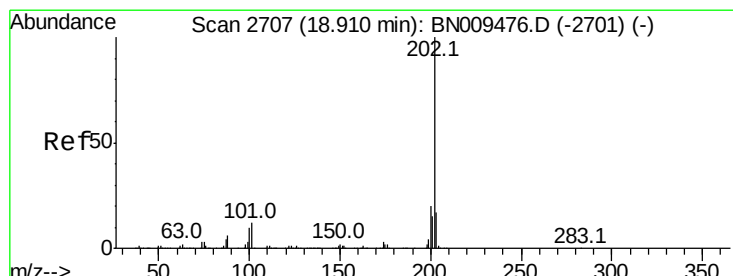
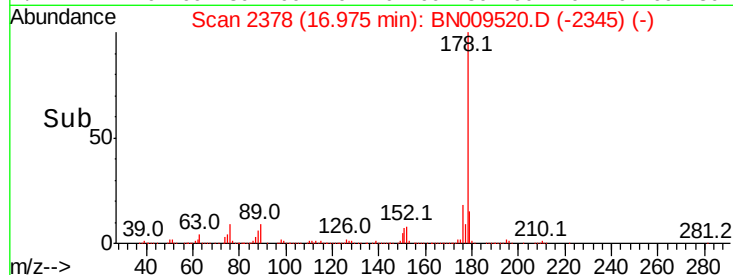
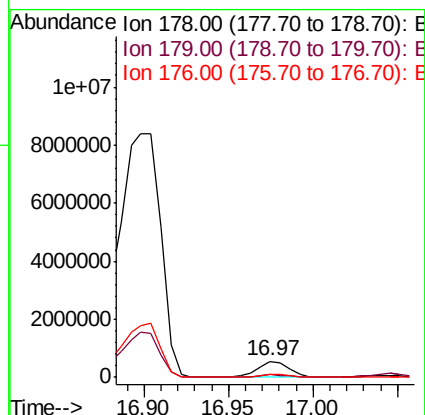
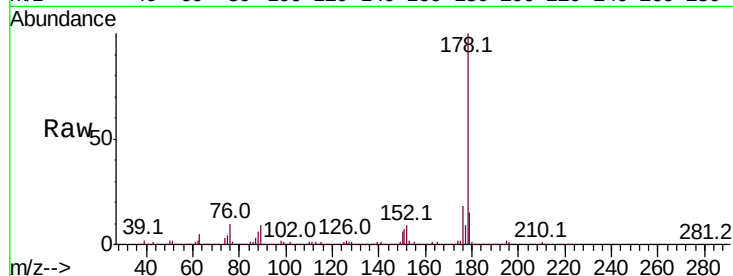




#71
 Anthracene
 Concen: 13.327 ng/ul
 RT: 16.97 min Scan# 2378
 Delta R.T. -0.01 min
 Lab File: BN009520.D
 Acq: 31 Jan 2020 20:36

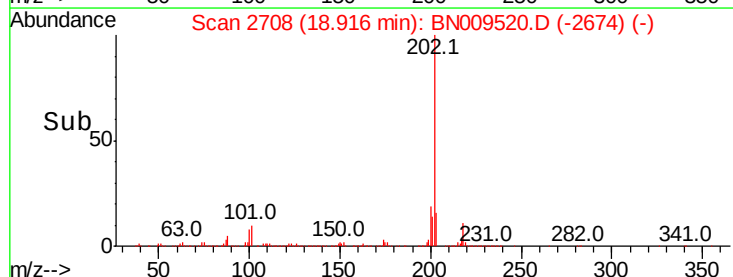
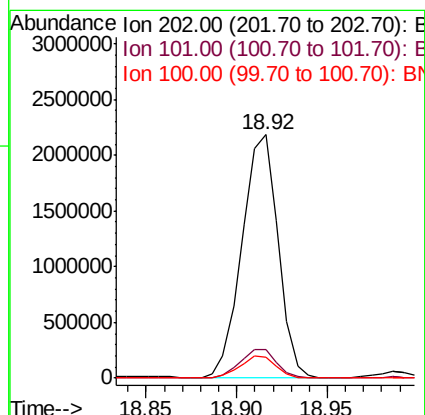
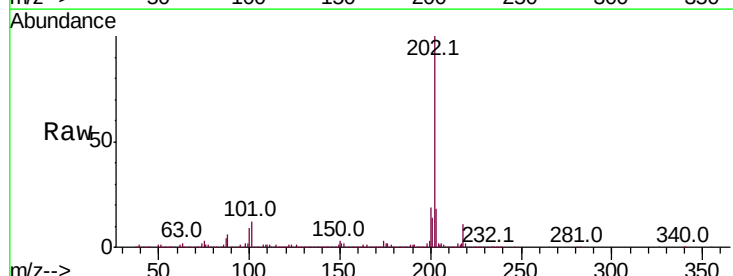
Instrument :
 BNA_N
 ClientSampled :

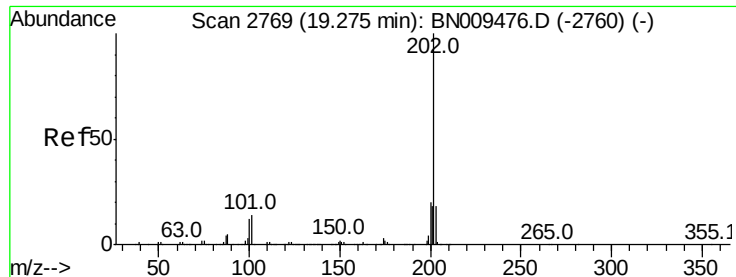
Tot Ion:178 Resp: 720692
 Ion Ratio Lower Upper
 178 100
 179 15.2 11.8 17.6
 176 18.0 14.6 22.0



#76
 Fluoranthene
 Concen: 49.490 ng/ul
 RT: 18.92 min Scan# 2708
 Delta R.T. -0.00 min
 Lab File: BN009520.D
 Acq: 31 Jan 2020 20:36

Tgt Ion:202 Resp: 3013279
 Ion Ratio Lower Upper
 202 100
 101 11.6 9.7 14.5
 100 8.6 7.1 10.7

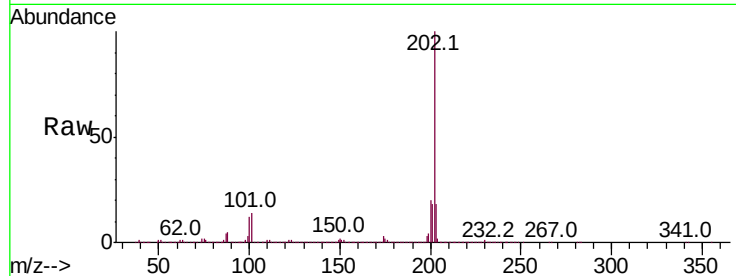




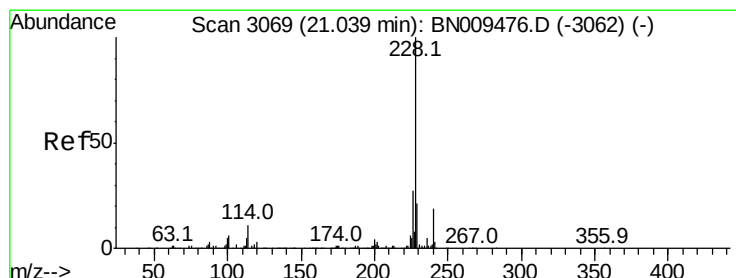
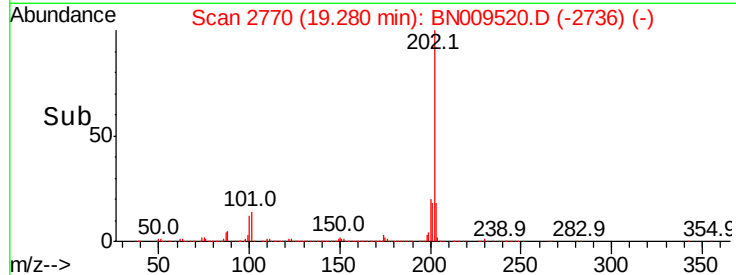
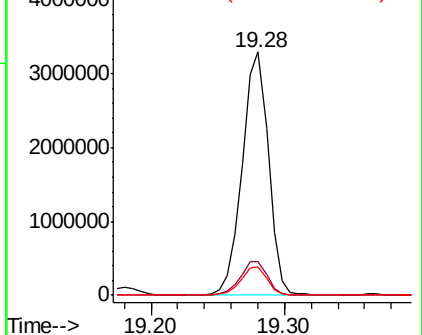
#79
Pvrene
Concen: 73.071 ng/ul
RT: 19.28 min Scan# 2770
Delta R.T. -0.00 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 4447722
Ion Ratio Lower Upper
202 100
101 13.7 10.9 16.3
100 11.6 8.6 12.8

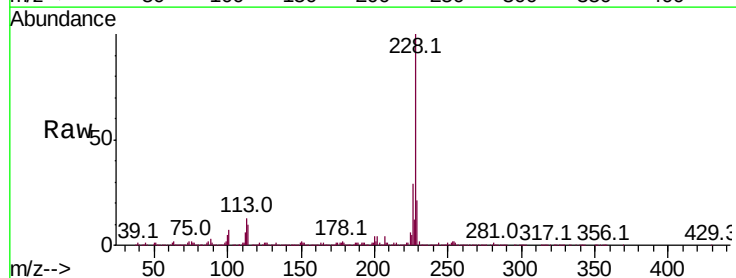


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

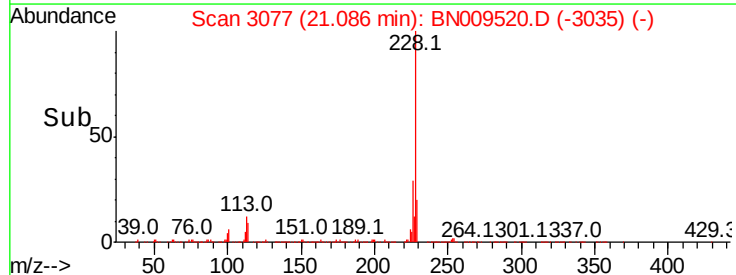
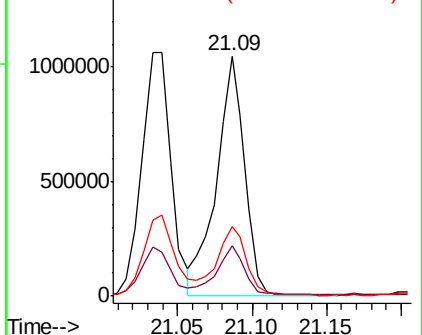


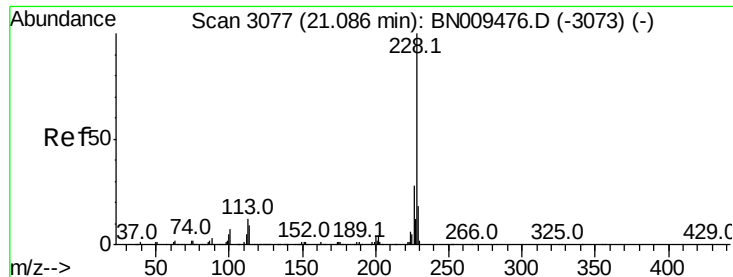
#82
Benzo(a)anthracene
Concen: 23.981 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. 0.05 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Tgt Ion:228 Resp: 1372821
Ion Ratio Lower Upper
228 100
229 20.7 15.9 23.9
226 29.1 20.9 31.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 24.617 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

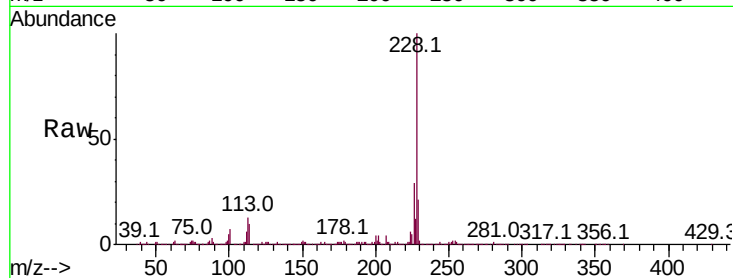
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 1372821

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.9	34.3
229	20.7	15.4	23.0

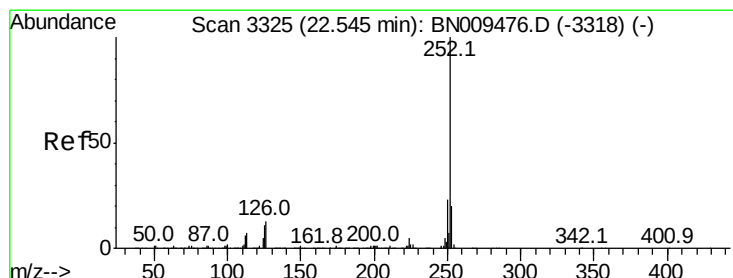
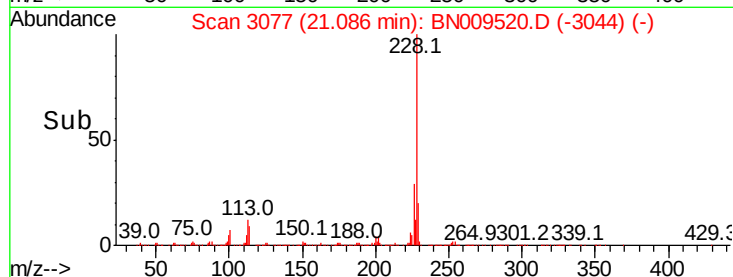
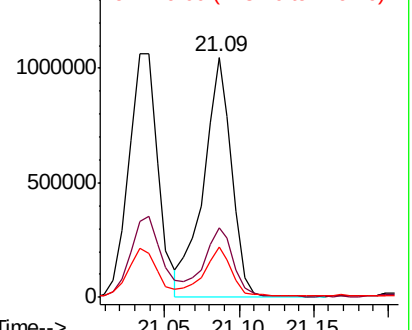


Abundance

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: 13.933 ng/ul

RT: 22.55 min Scan# 3326

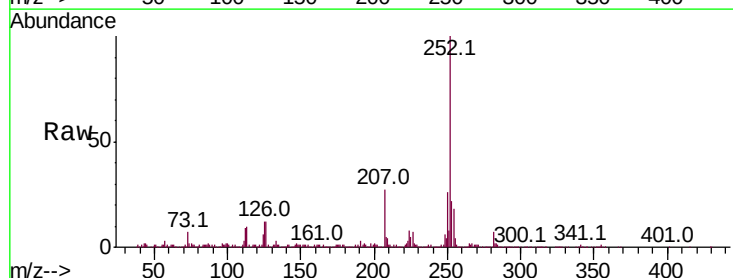
Delta R.T. -0.00 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Tgt Ion:252 Resp: 783838

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.5	24.7
125	11.7	8.2	12.2

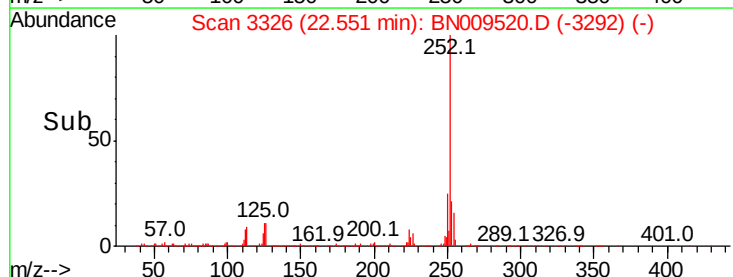
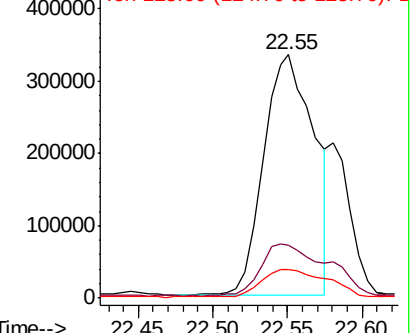


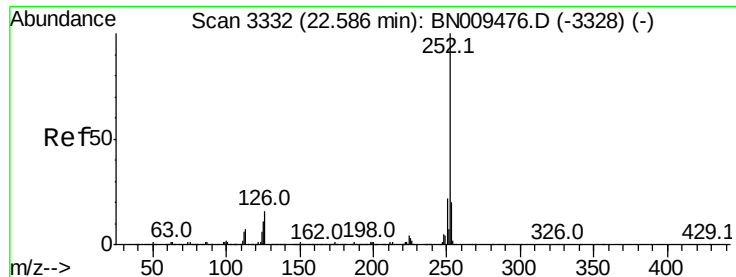
Abundance

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: 14.170 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. -0.04 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Instrument :

BNA_N

ClientSampleId :

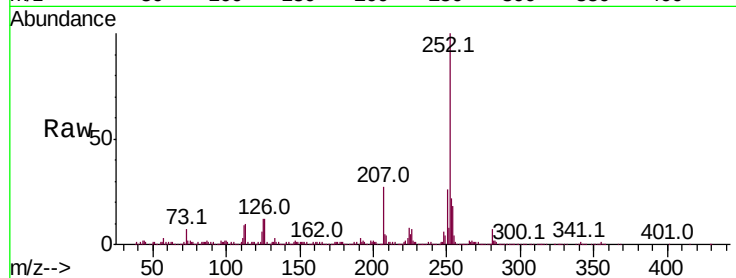
Tot Ion:252 Resp: 783838

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

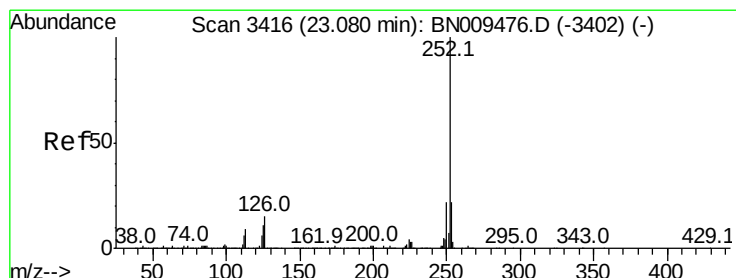
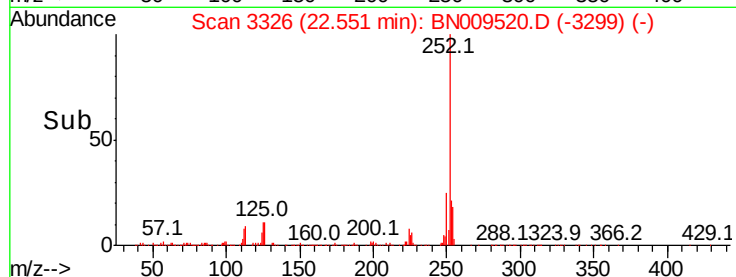
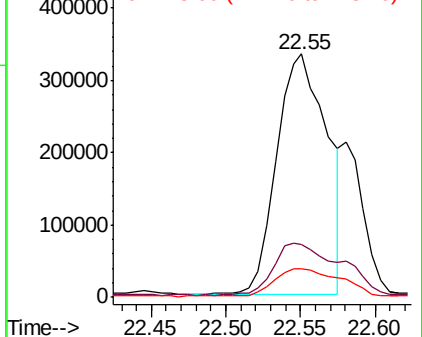
125 11.7 7.8 11.8



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: 5.954 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. -0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

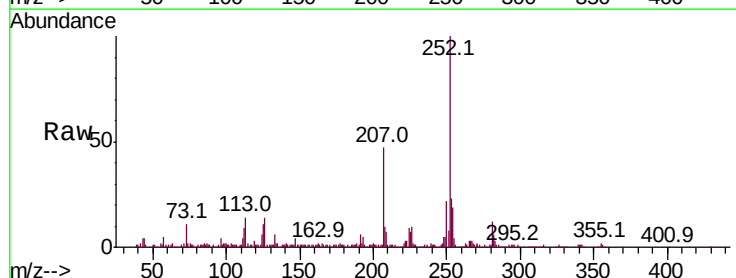
Tgt Ion:252 Resp: 300683

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

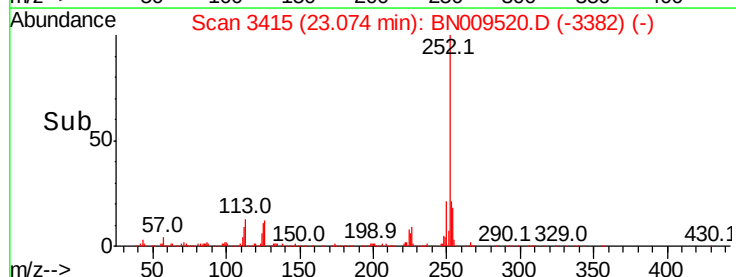
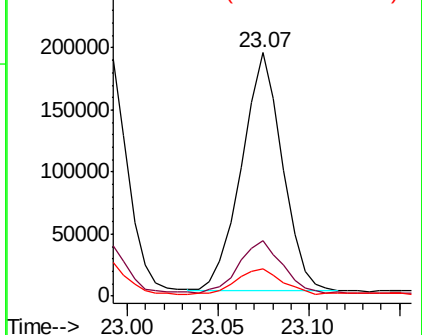
125 11.5 9.8 14.6

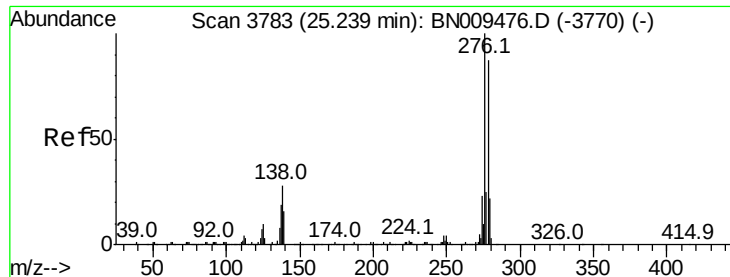


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



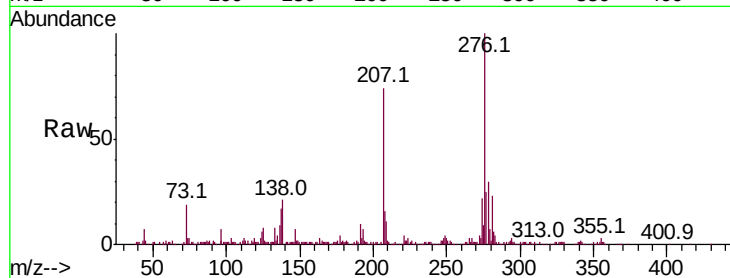


#91

Indeno(1,2,3-cd)pyrene
Concen: 4.628 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.02 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	21.4	32.0
277	25.3	20.4	30.6

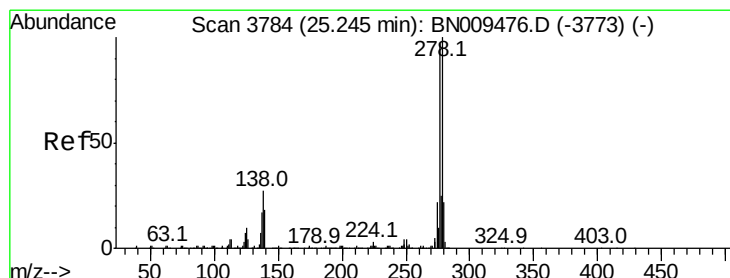
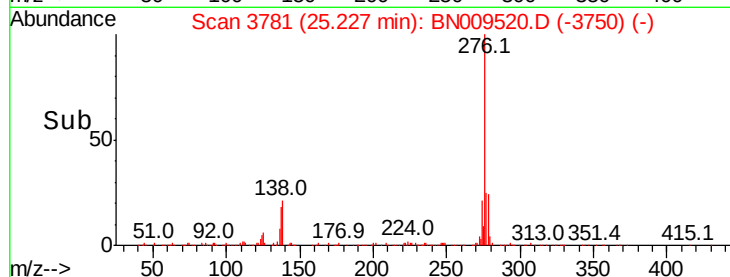
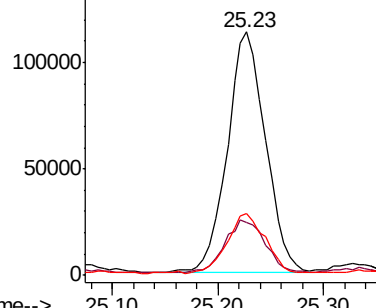


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

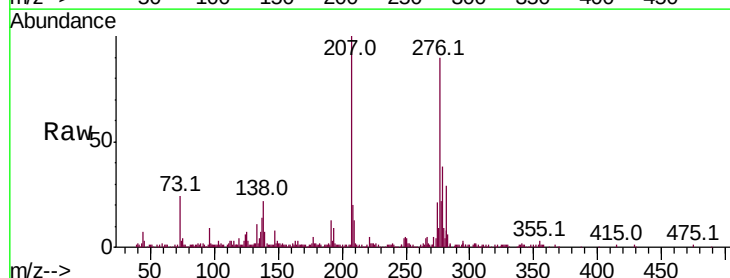
Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene
Concen: 2.058 ng/ul
RT: 25.24 min Scan# 3783
Delta R.T. -0.01 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.9	20.9
279	24.7	19.3	28.9

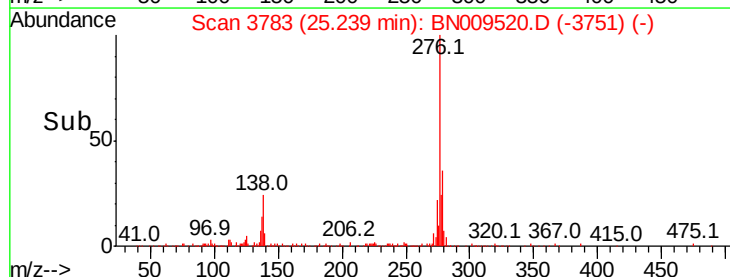
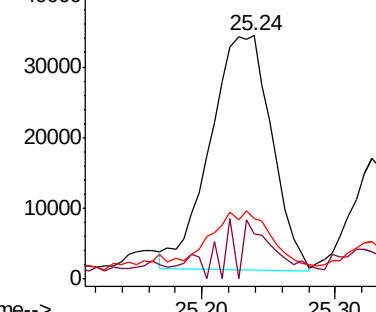


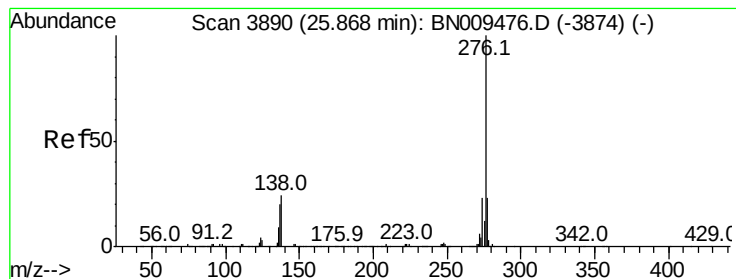
Abundance

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(a,h,i)perylene

Concen: 4.206 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Instrument :

BNA_N

ClientSampleId :

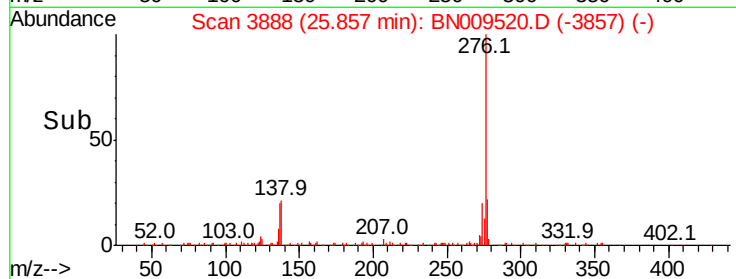
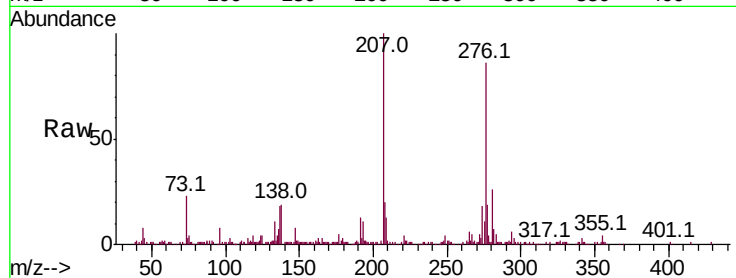
Tot Ion:276 Resp: 214120

Ion Ratio Lower Upper

276 100

138 22.2 16.6 24.8

277 22.5 18.7 28.1



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

