

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN111319\
 Data File : BN008551.D
 Acq On : 14 Nov 2019 08:58
 Operator : JU
 Sample : K5678-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLMA1

Quant Time: Nov 14 10:06:48 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	333828	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1370290	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	856871	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	1693662	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1384352	20.00	ng/ul	0.00
85) Perylene-d12	23.39	264	1574428	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	22762	2.77	ng/uL	0.00
5) Phenol-d5	6.82	99	557040	19.02	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.98	67	353562	19.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	445535	19.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	422754	18.57	ng/ul	0.01
19) Nitrobenzene-d5	8.78	128	222378	23.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	239066	27.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	465444	20.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	237393	9.06	ng/ul	0.01
43) Dimethylphthalate-d6	13.68	166	1438786	21.21	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	1701095	21.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	104672	9.96	ng/ul	0.01
57) Fluorene-d10	15.26	176	1212497	21.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	113171	17.50	ng/ul	0.00
70) Anthracene-d10	17.10	188	1804234	22.48	ng/ul	0.00
78) Pyrene-d10	19.40	212	1848749	23.39	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	1810131	22.14	ng/ul	0.02

Target Compounds

					Qvalue
4) Benzaldehyde	6.79	77	17280	1.030	ng/ul 88
6) Phenol	6.85	94	30683	1.015	ng/ul 99
14) Acetophenone	8.45	105	52089	1.419	ng/ul 98
28) Naphthalene	10.45	128	1623212	22.515	ng/ul 100
30) 4-Chloroaniline	10.45	127	216433	8.074	ng/ul# 12
34) 2-Methylnaphthalene	12.07	142	992954	18.753	ng/ul 96
40) 1,1'-Biphenyl	13.09	154	397769	6.026	ng/ul 100
44) Dimethylphthalate	13.73	163	145262	2.212	ng/ul 97
49) Acenaphthene	14.33	153	874655	16.260	ng/ul 98
53) Dibenzofuran	14.66	168	961376	12.368	ng/ul 97
58) Fluorene	15.32	166	557316	9.067	ng/ul 95
69) Phenanthrene	17.05	178	1867294	20.354	ng/ul 99
71) Anthracene	17.14	178	653276	6.969	ng/ul 98
74) Carbazole	17.40	167	222961	2.662	ng/ul 98
76) Fluoranthene	19.07	202	1314730	12.475	ng/ul 98
79) Pyrene	19.43	202	977847	9.869	ng/ul 98
80) Butylbenzylphthalate	20.36	149	48551	1.326	ng/ul# 77
82) Benzo(a)anthracene	21.19	228	406480	4.176	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.16	149	1298839	21.635	ng/ul# 98
84) Chrysene	21.24	228	411464	4.514	ng/ul# 93
87) Benzo(b)fluoranthene	22.74	252	440175	4.480	ng/ul# 73
90) Benzo(a)pyrene	23.30	252	323033	3.457	ng/ul# 78
91) Indeno(1,2,3-cd)pyrene	25.55	276	188164	1.759	ng/ul# 90

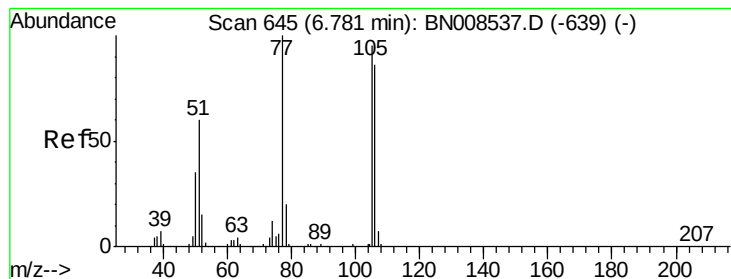
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN111319\
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 14 10:03:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.21	276	172795	1.925	ng/ul#	87

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



#4

Benzaldehyde

Concen: 1.030 ng/ul

RT: 6.79 min Scan# 646

Delta R.T. -0.00 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

ClientSampleId :

JLMA1

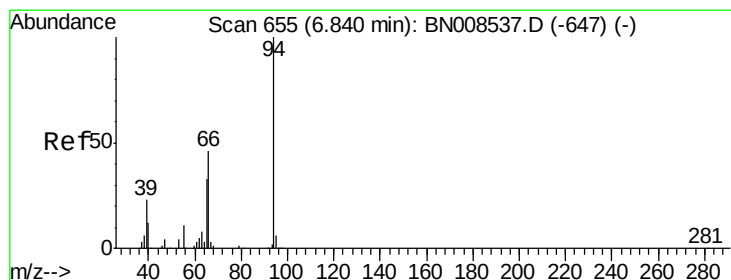
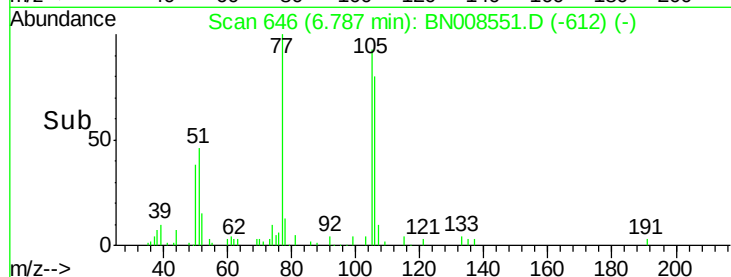
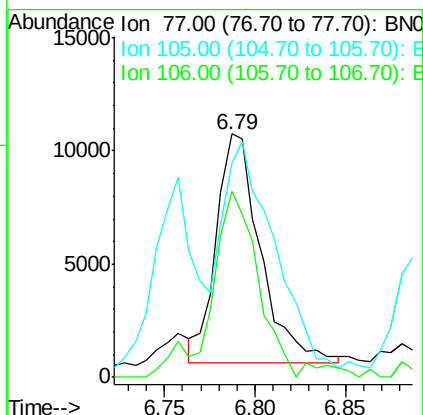
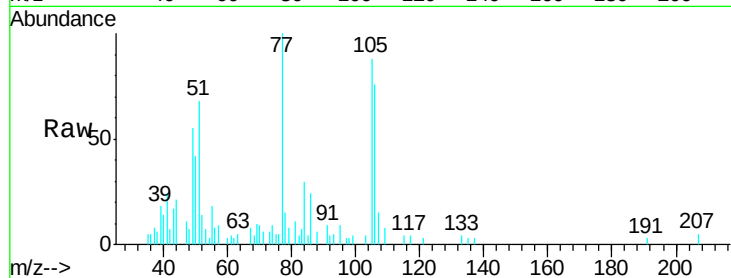
Tgt Ion: 77 Resp: 17280

Ion Ratio Lower Upper

77 100

105 87.8 76.6 114.8

106 76.2 73.9 110.9



#6

Phenol

Concen: 1.015 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

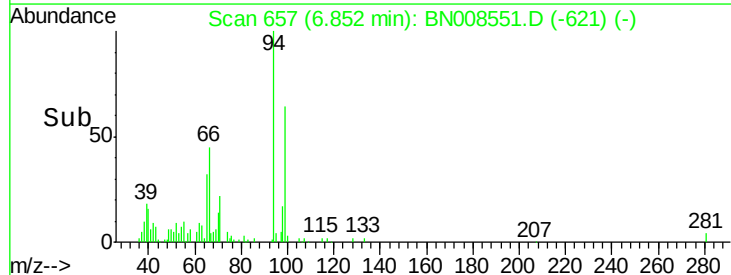
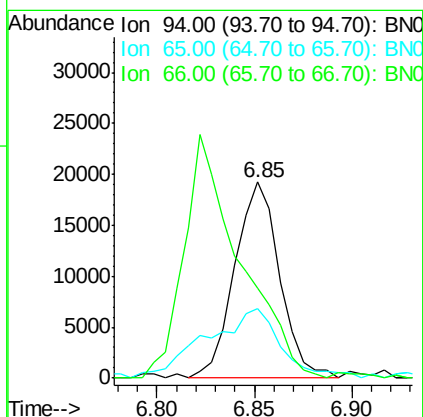
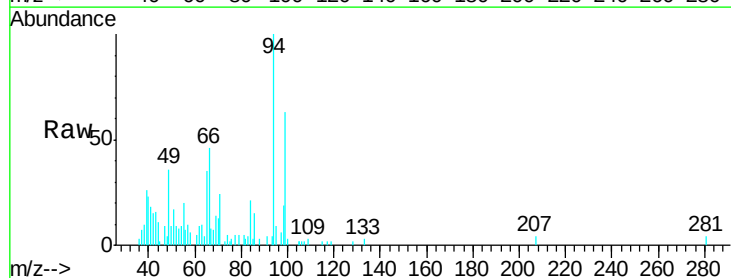
Tgt Ion: 94 Resp: 30683

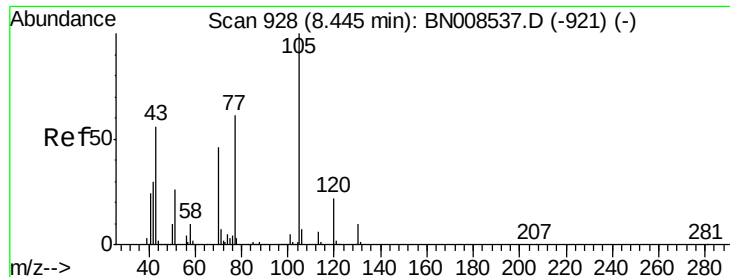
Ion Ratio Lower Upper

94 100

65 35.3 27.7 41.5

66 46.0 37.0 55.6





#14

Acetophenone

Concen: 1.419 ng/ul

RT: 8.45 min Scan# 929

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

ClientSampleId :

JLMA1

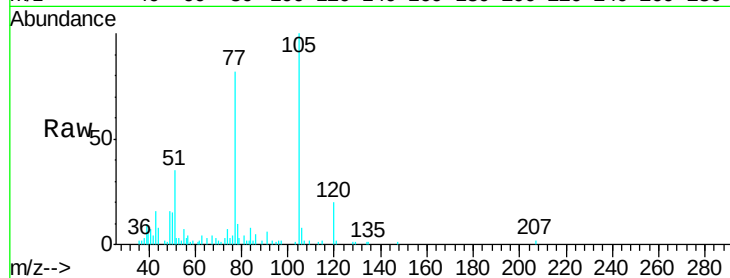
Tgt Ion:105 Resp: 52089

Ion Ratio Lower Upper

105 100

77 81.8 66.8 100.2

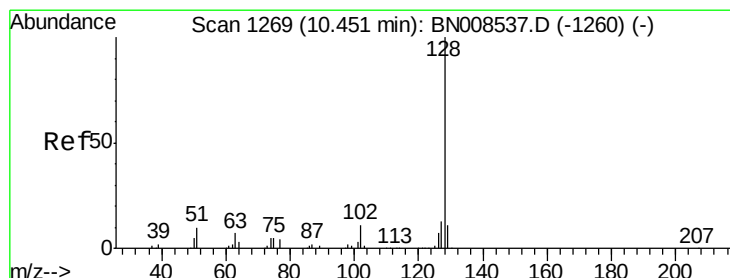
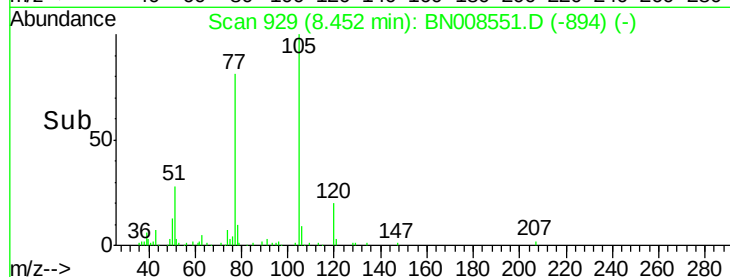
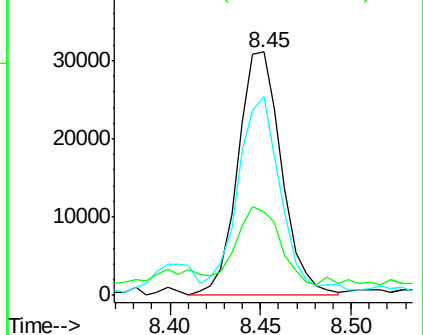
51 34.6 27.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNO

Ion 51.00 (50.70 to 51.70): BNO



#28

Naphthalene

Concen: 22.515 ng/ul

RT: 10.45 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

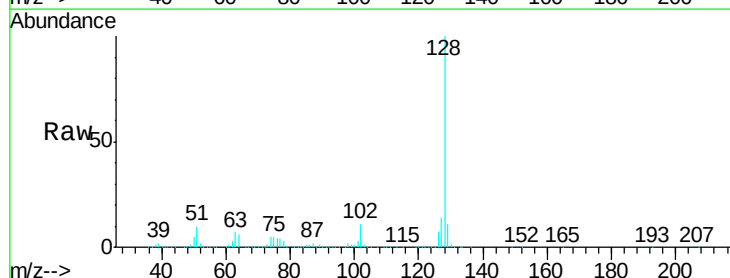
Tgt Ion:128 Resp: 1623212

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

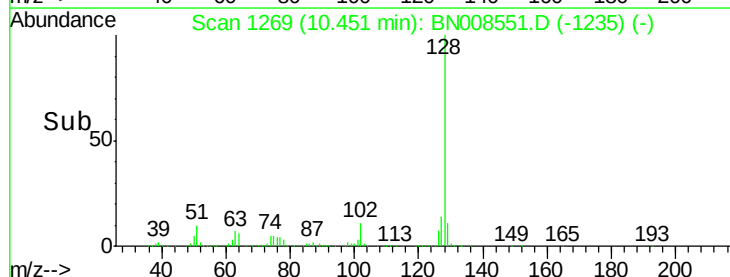
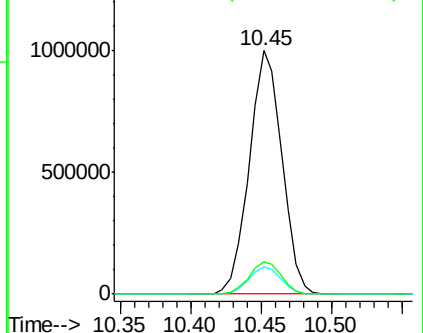
127 13.6 10.6 16.0

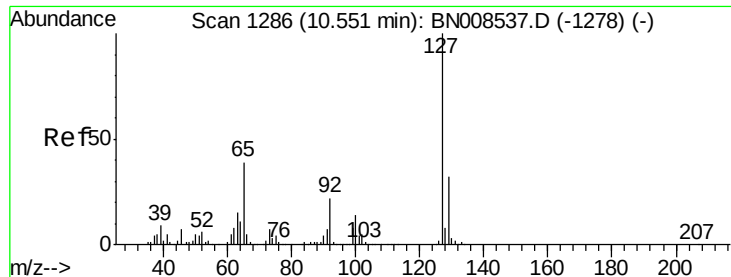


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

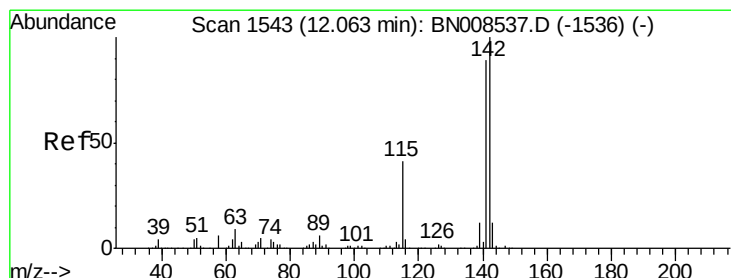
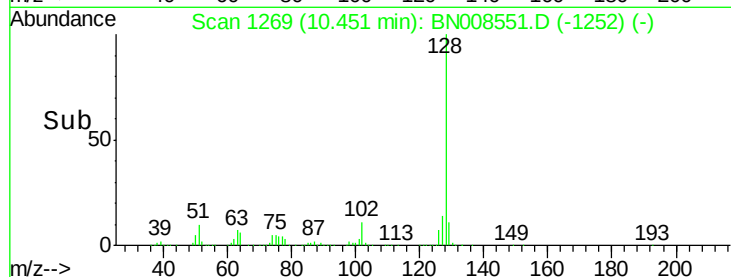
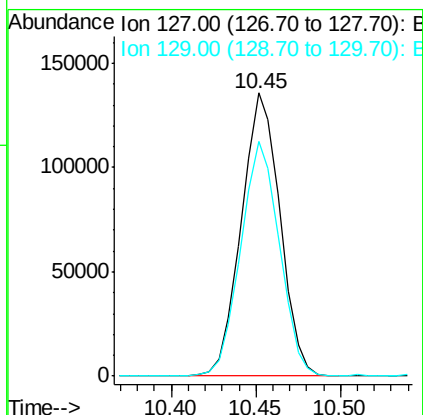
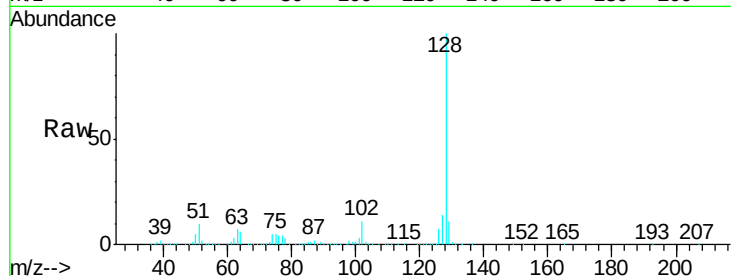




#30
4-Chloroaniline
Concen: 8.074 ng/ul
RT: 10.45 min Scan# 1269
Delta R.T. -0.10 min
Lab File: BN008551.D
Acq: 14 Nov 2019 08:58

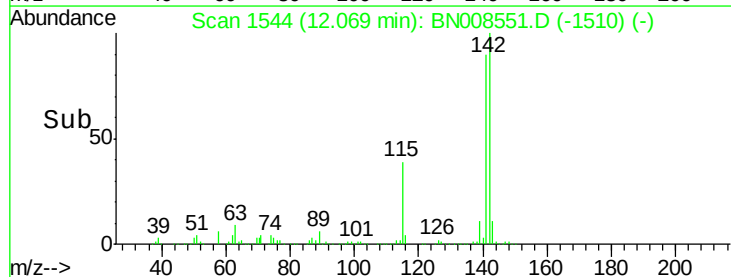
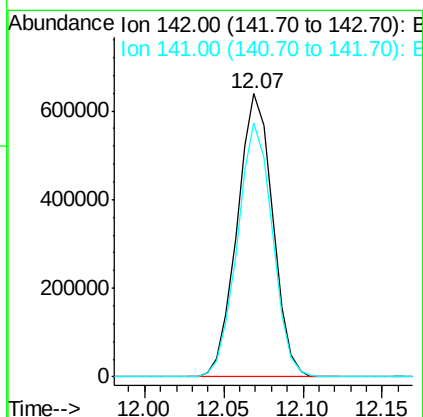
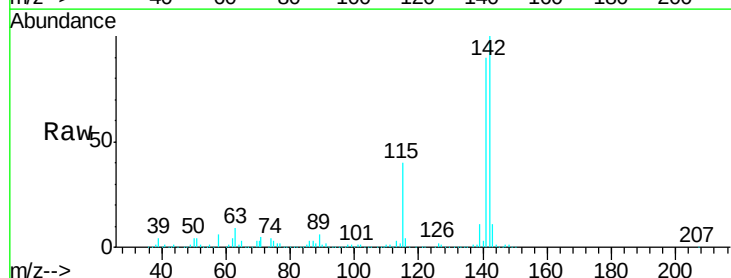
Instrument :
BNA_N
ClientSampleId :
JLMA1

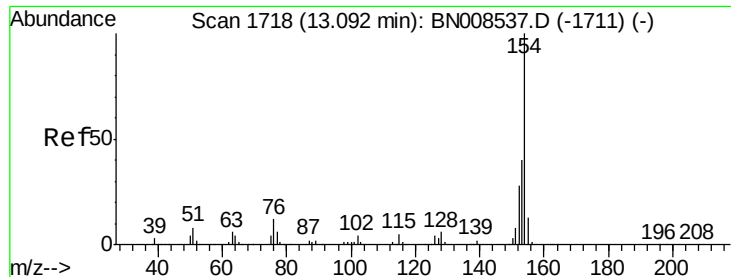
Tgt Ion:127 Resp: 216433
Ion Ratio Lower Upper
127 100
129 83.0 26.6 39.8#



#34
2-Methylnaphthalene
Concen: 18.753 ng/ul
RT: 12.07 min Scan# 1544
Delta R.T. -0.00 min
Lab File: BN008551.D
Acq: 14 Nov 2019 08:58

Tgt Ion:142 Resp: 992954
Ion Ratio Lower Upper
142 100
141 89.9 69.3 103.9

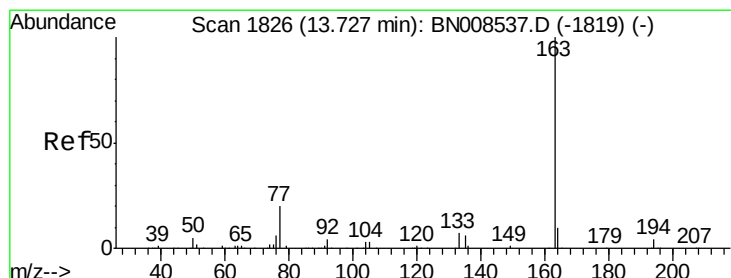
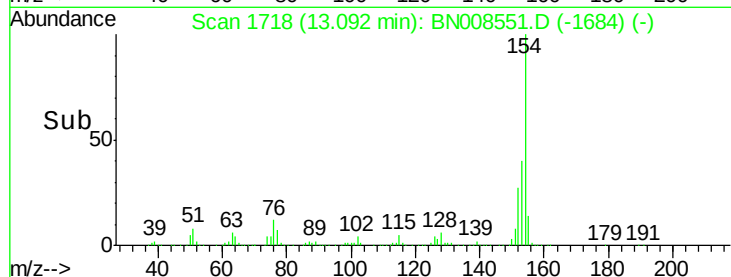
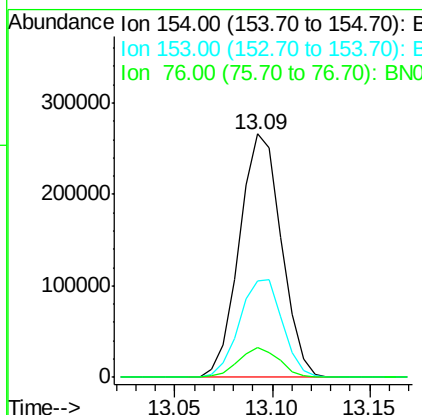
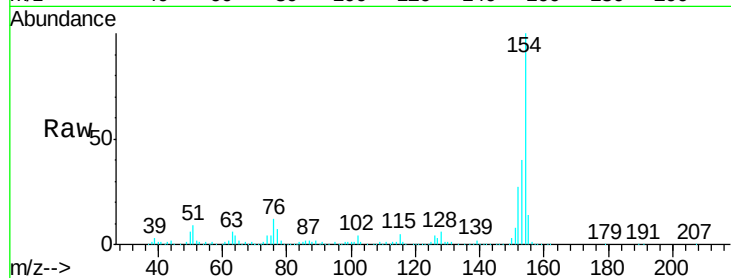




#40
 1,1'-Biphenyl
 Concen: 6.026 ng/ul
 RT: 13.09 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BN008551.D
 Acq: 14 Nov 2019 08:58

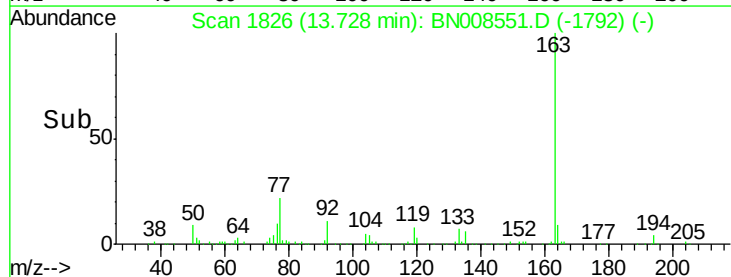
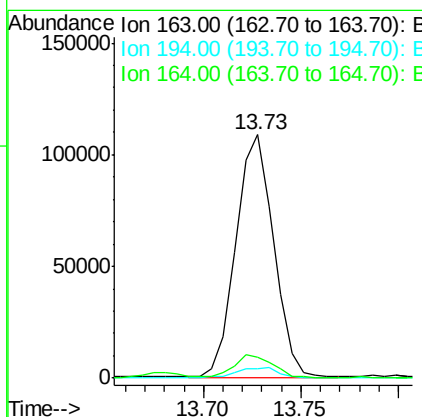
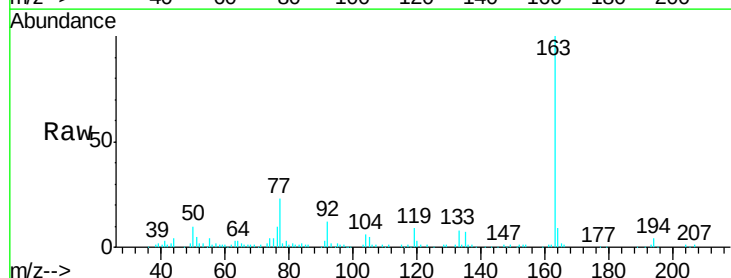
Instrument :
 BNA_N
 ClientSampleId :
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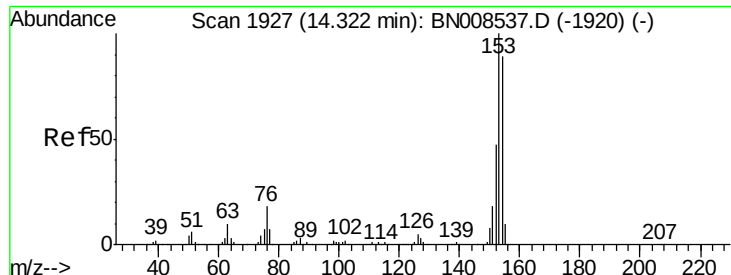
Tgt Ion:154 Resp: 397769
 Ion Ratio Lower Upper
 154 100
 153 39.8 32.0 48.0
 76 12.1 9.6 14.4



#44
 Dimethylphthalate
 Concen: 2.212 ng/ul
 RT: 13.73 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: BN008551.D
 Acq: 14 Nov 2019 08:58

Tgt Ion:163 Resp: 145262
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.6 5.4
 164 8.6 8.1 12.1





#49

Acenaphthene

Concen: 16.260 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

ClientSampleId :

JLMA1

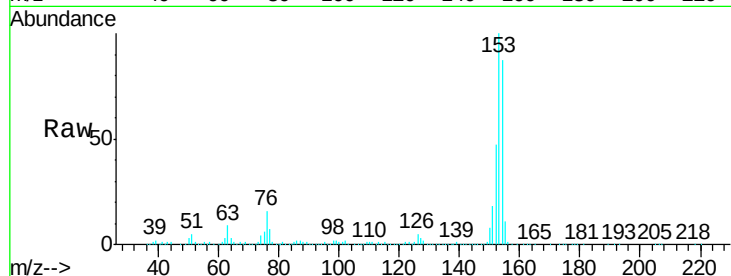
Tgt Ion:153 Resp: 874655

Ion Ratio Lower Upper

153 100

152 46.8 38.7 58.1

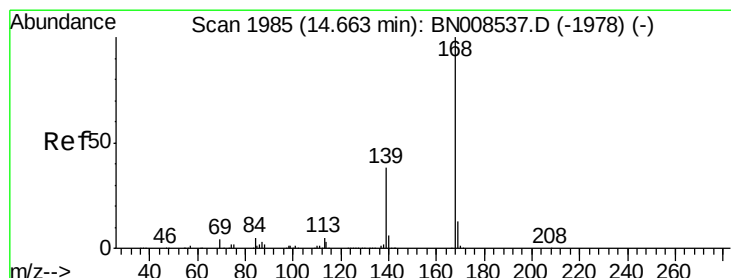
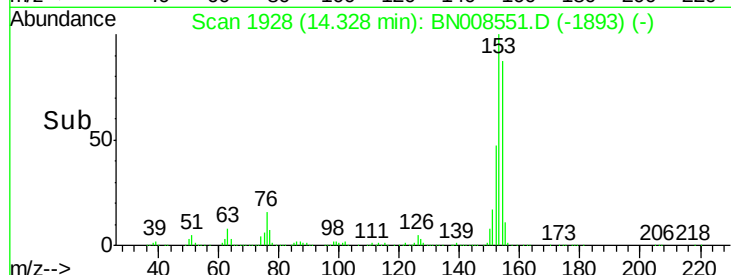
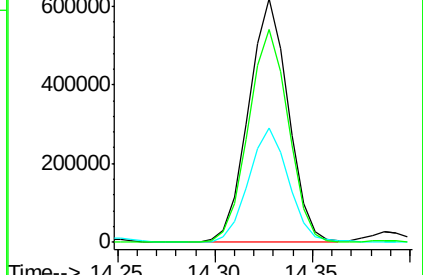
154 87.2 71.3 106.9



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



#53

Dibenzofuran

Concen: 12.368 ng/ul

RT: 14.66 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BN008551.D

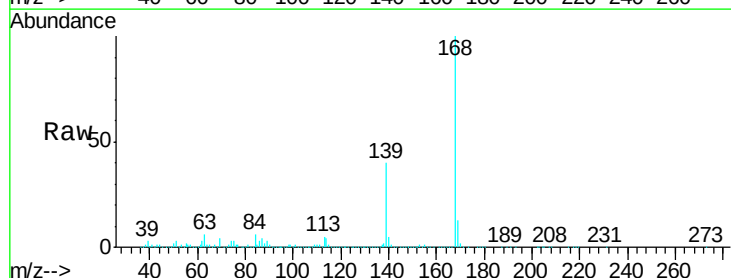
Acq: 14 Nov 2019 08:58

Tgt Ion:168 Resp: 961376

Ion Ratio Lower Upper

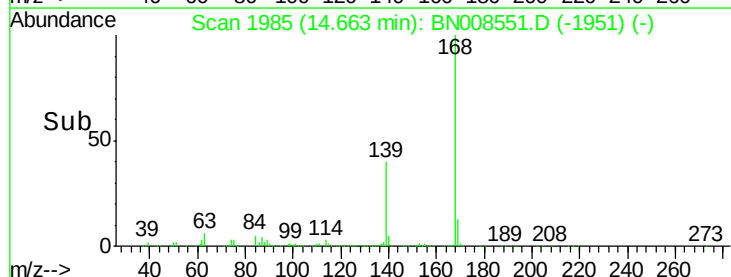
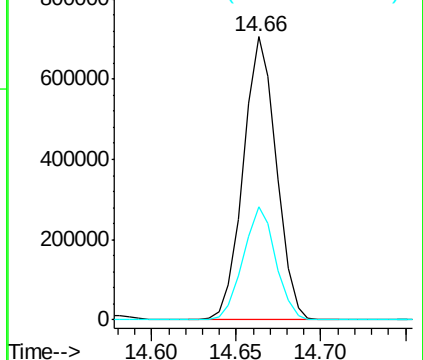
168 100

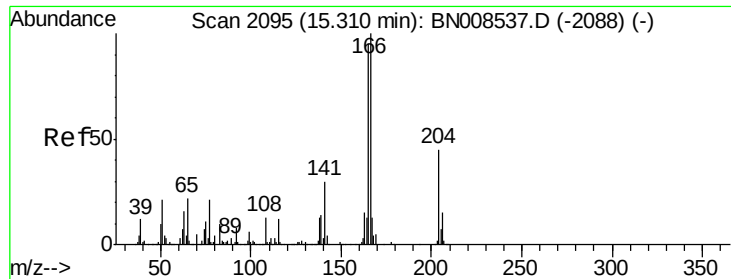
139 39.9 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 9.067 ng/ul

RT: 15.32 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

ClientSampled :

JLMA1

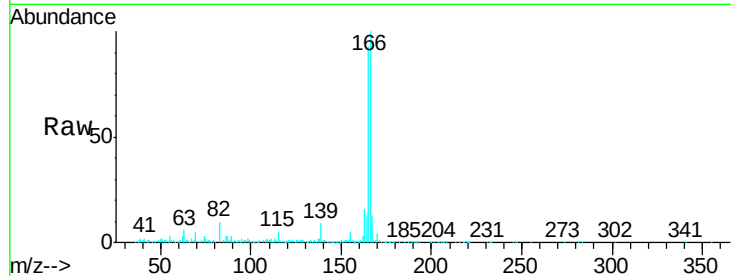
Tgt Ion:166 Resp: 557316

Ion Ratio Lower Upper

166 100

165 92.9 79.0 118.6

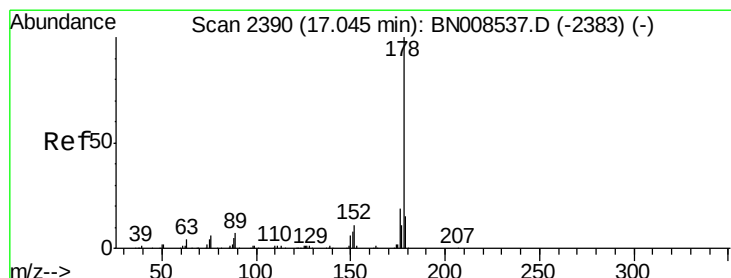
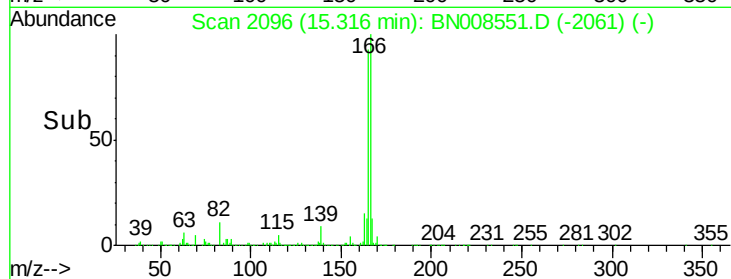
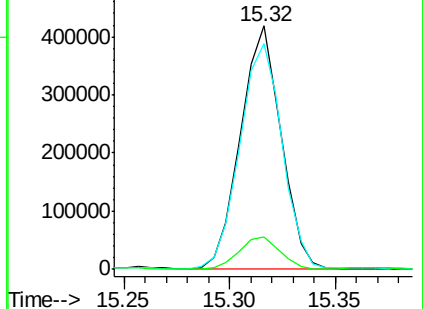
167 13.2 10.6 15.8



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: 20.354 ng/ul

RT: 17.05 min Scan# 2391

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

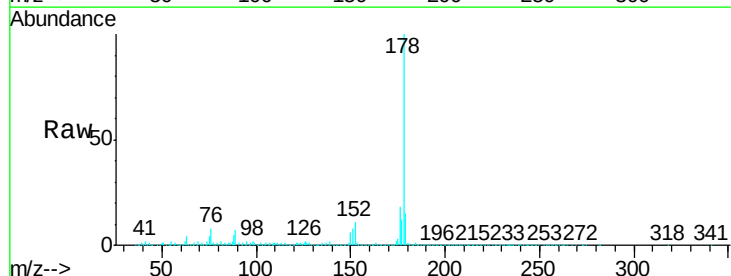
Tgt Ion:178 Resp: 1867294

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

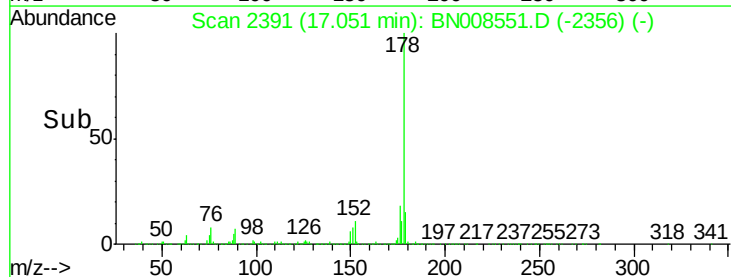
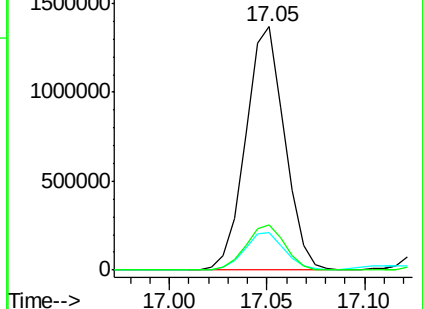
176 18.5 15.3 22.9

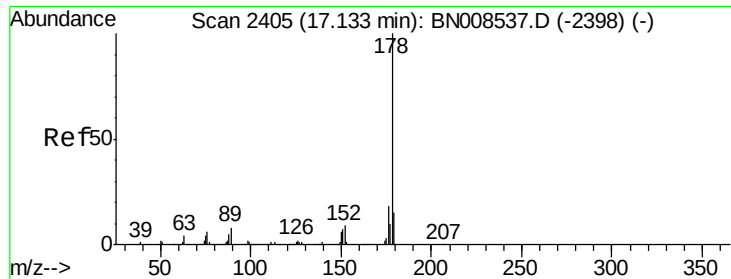


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

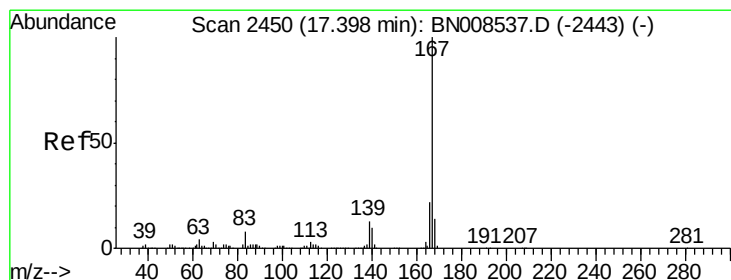
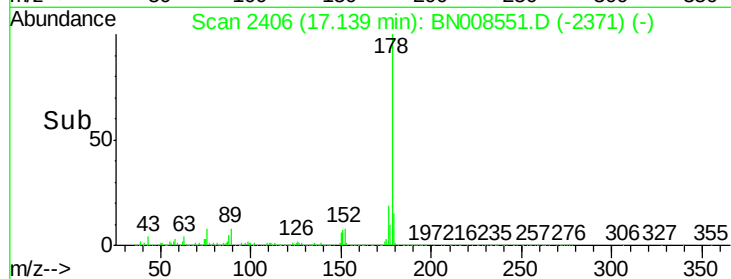
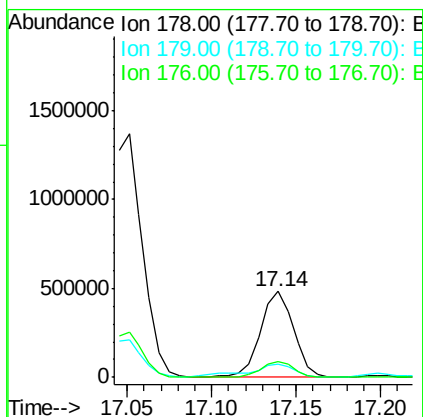
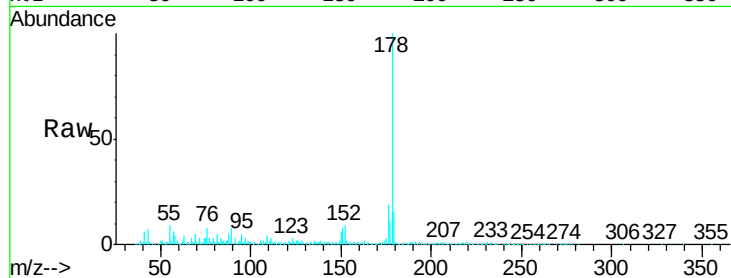




#71
 Anthracene
 Concen: 6.969 ng/ul
 RT: 17.14 min Scan# 2406
 Delta R.T. 0.01 min
 Lab File: BN008551.D
 Acq: 14 Nov 2019 08:58

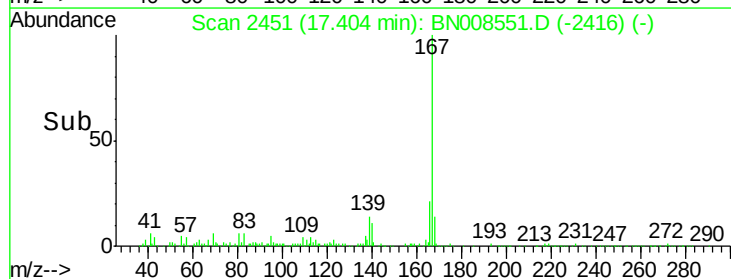
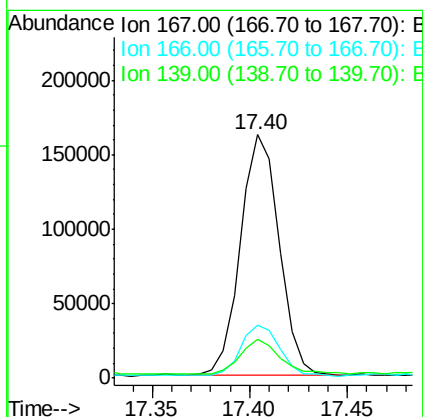
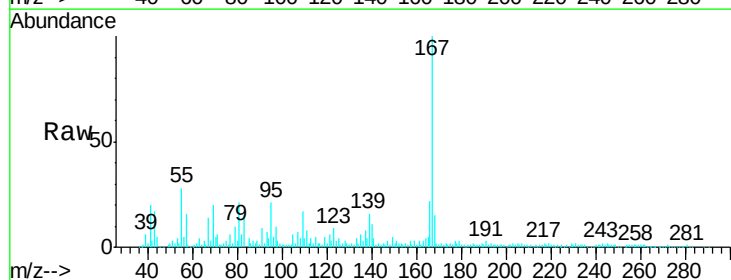
Instrument :
 BNA_N
 ClientSampleId :
 JLMA1

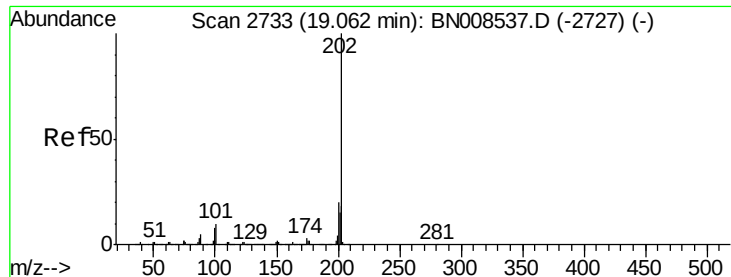
Tgt Ion:178 Resp: 653276
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.8 19.2
 176 19.0 14.6 21.8



#74
 Carbazole
 Concen: 2.662 ng/ul
 RT: 17.40 min Scan# 2451
 Delta R.T. 0.01 min
 Lab File: BN008551.D
 Acq: 14 Nov 2019 08:58

Tgt Ion:167 Resp: 222961
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.7 26.5
 139 15.8 10.8 16.2

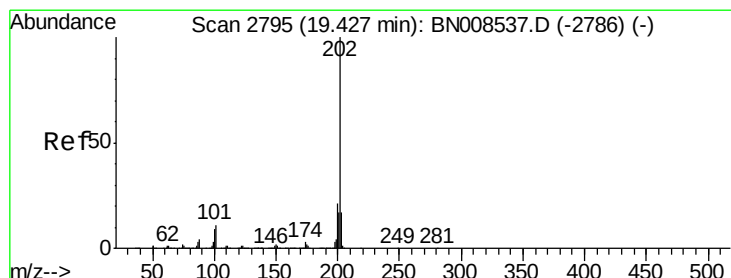
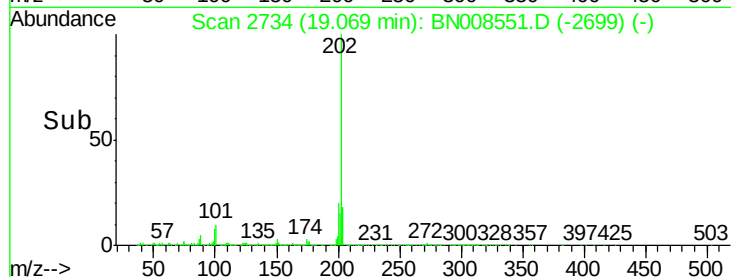
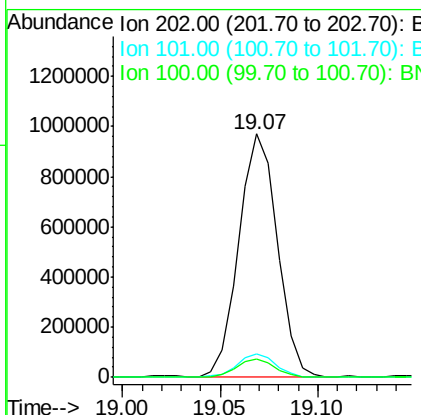
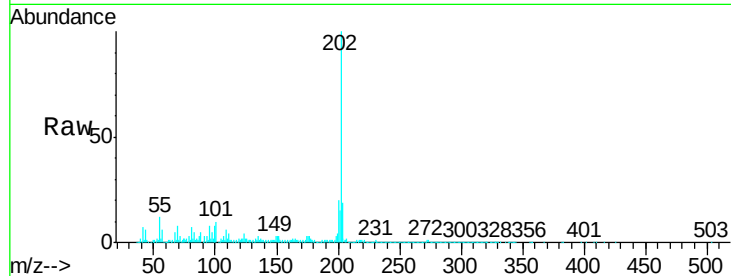




#76
Fluoranthene
Concen: 12.475 ng/ul
RT: 19.07 min Scan# 2734
Delta R.T. 0.01 min
Lab File: BN008551.D
Acq: 14 Nov 2019 08:58

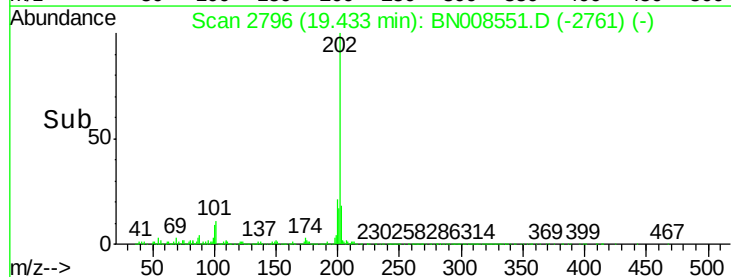
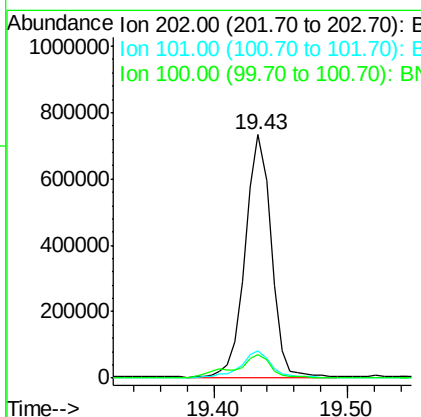
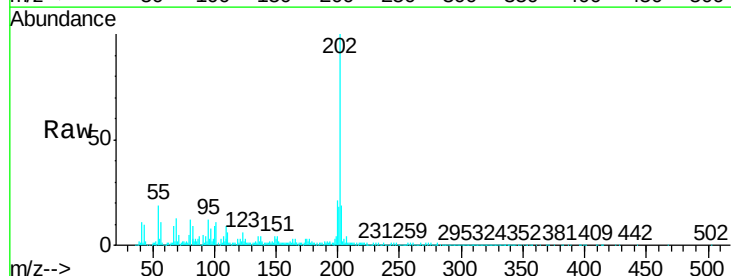
Instrument :
BNA_N
ClientSampleId :
JLMA1

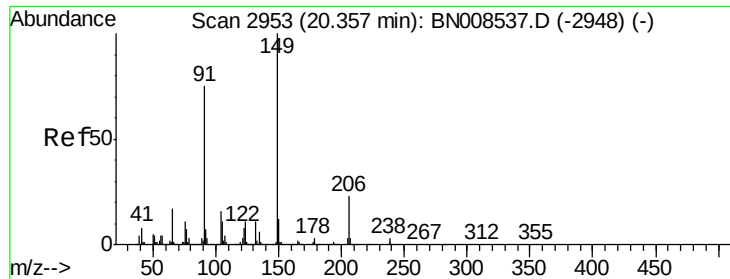
Tgt Ion:202 Resp: 1314730
Ion Ratio Lower Upper
202 100
101 9.9 8.6 12.8
100 7.6 6.8 10.2



#79
Pyrene
Concen: 9.869 ng/ul
RT: 19.43 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BN008551.D
Acq: 14 Nov 2019 08:58

Tgt Ion:202 Resp: 977847
Ion Ratio Lower Upper
202 100
101 11.3 9.8 14.6
100 9.5 7.8 11.8

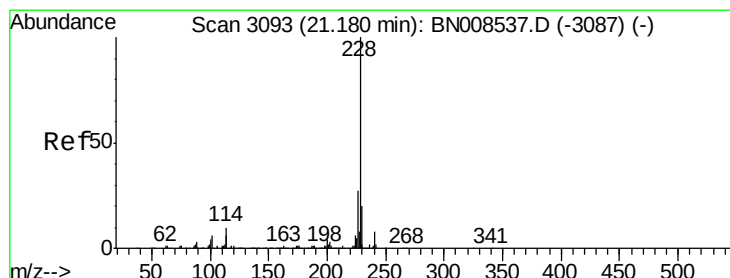
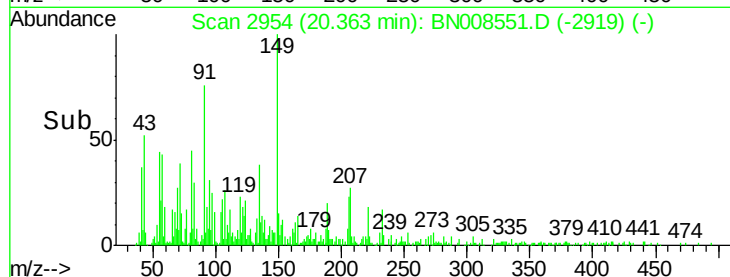
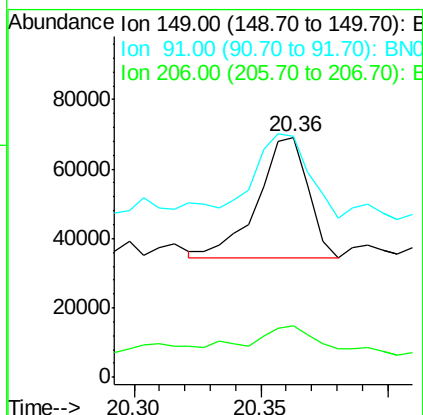
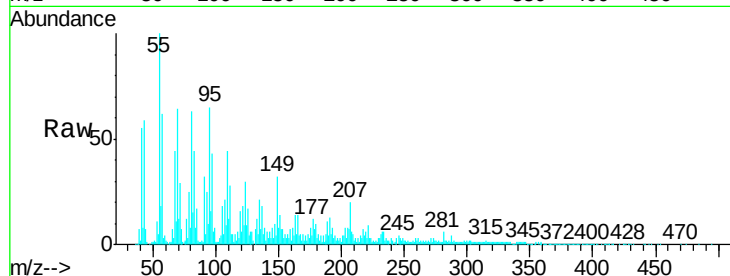




#80
Butylbenzylphthalate
Concen: 1.326 ng/ul
RT: 20.36 min Scan# 2954
Delta R.T. 0.01 min
Lab File: BN008551.D
Acq: 14 Nov 2019 08:58

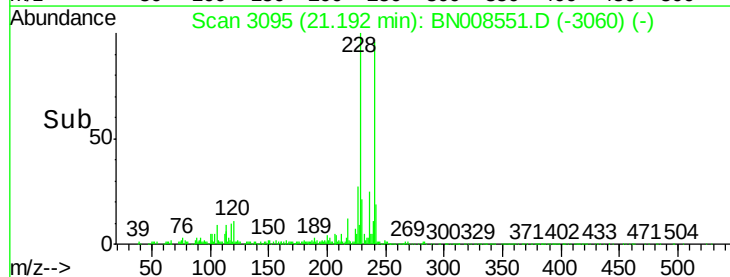
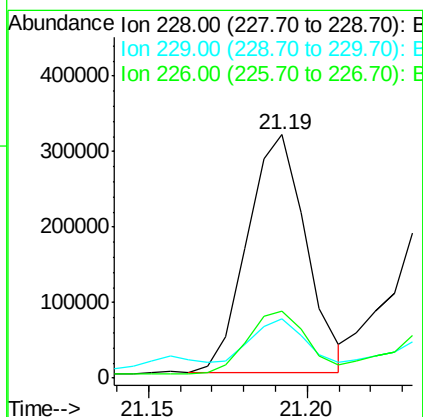
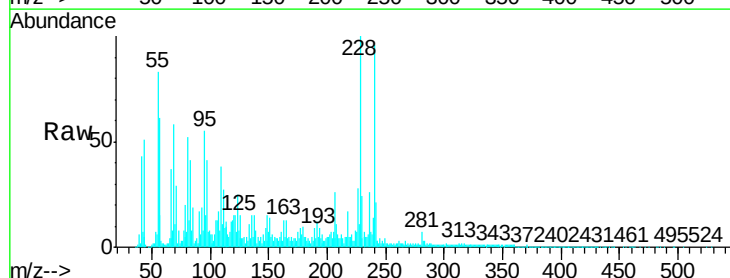
Instrument :
BNA_N
ClientSampleId :
JLMA1

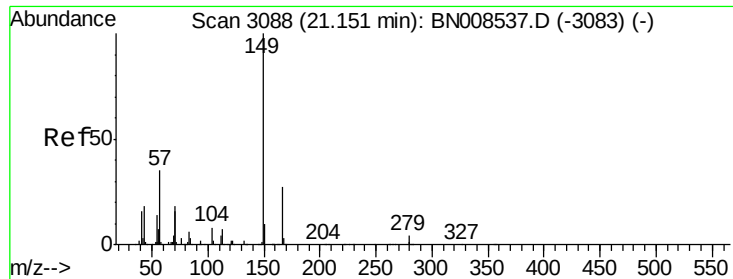
Tgt Ion	Ratio	Lower	Upper
149	100		
91	100.5	60.9	91.3#
206	21.3	15.9	23.9



#82
Benzo(a)anthracene
Concen: 4.176 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. 0.01 min
Lab File: BN008551.D
Acq: 14 Nov 2019 08:58

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.2	16.2	24.4
226	27.7	21.9	32.9

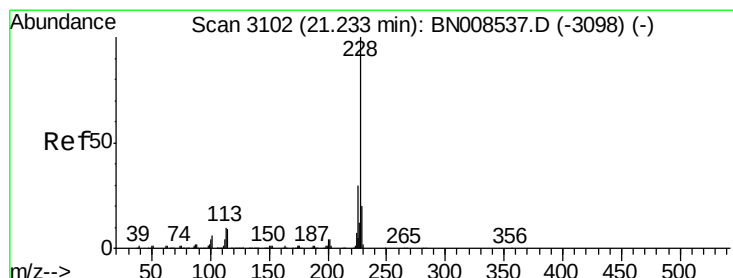
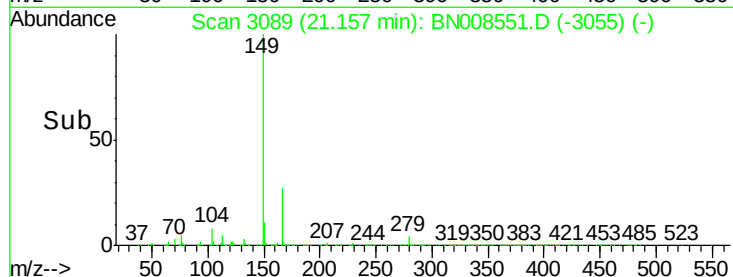
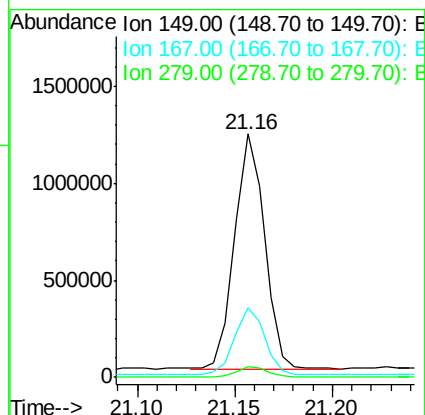
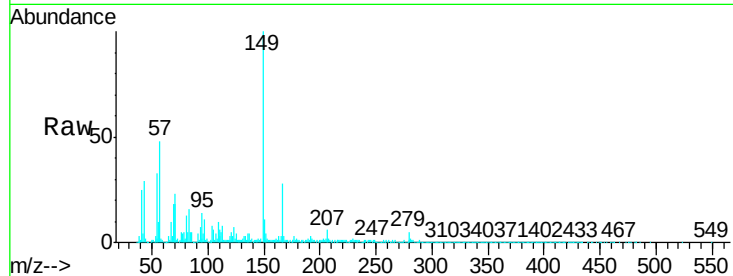




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 21.635 ng/ul
 RT: 21.16 min Scan# 3089
 Delta R.T. -0.00 min
 Lab File: BN008551.D
 Acq: 14 Nov 2019 08:58

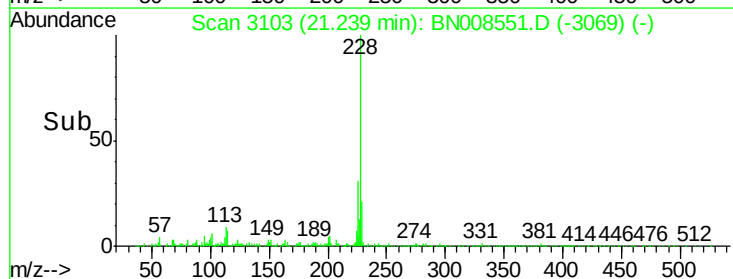
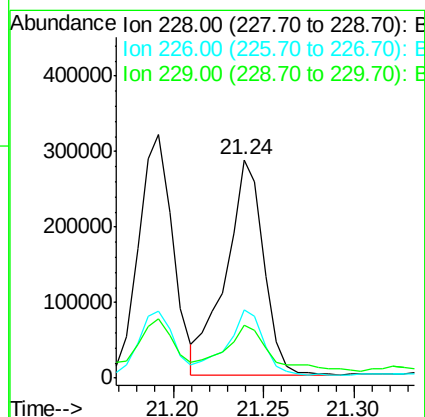
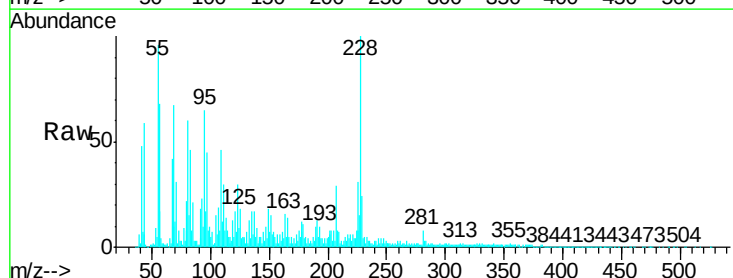
Instrument :
 BNA_N
 ClientSampleId :
 JLMA1

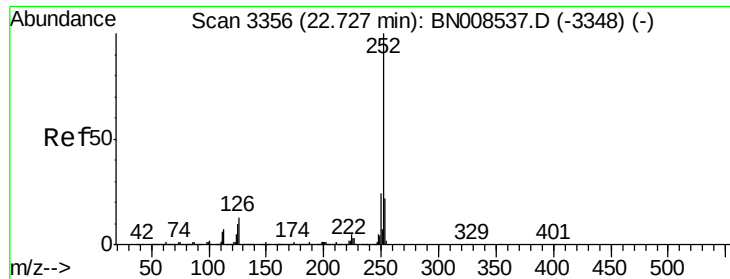
Tgt Ion:149 Resp: 1298839
 Ion Ratio Lower Upper
 149 100
 167 28.4 22.1 33.1
 279 4.6 2.9 4.3#



#84
 Chrysene
 Concen: 4.514 ng/ul
 RT: 21.24 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: BN008551.D
 Acq: 14 Nov 2019 08:58

Tgt Ion:228 Resp: 411464
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.8 34.2
 229 24.4 16.0 24.0#





#87

Benzo(b)fluoranthene

Concen: 4.480 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

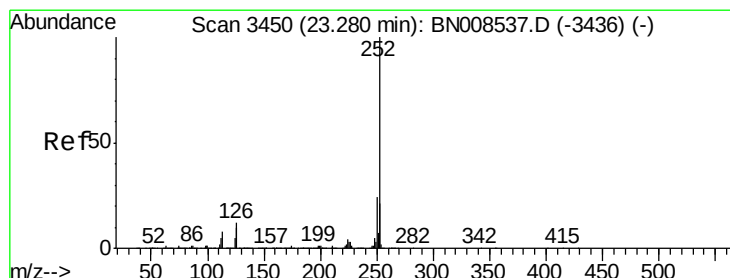
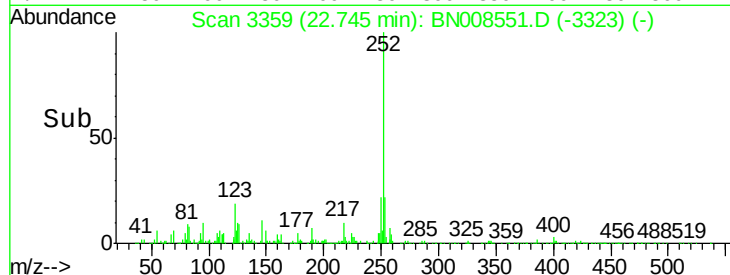
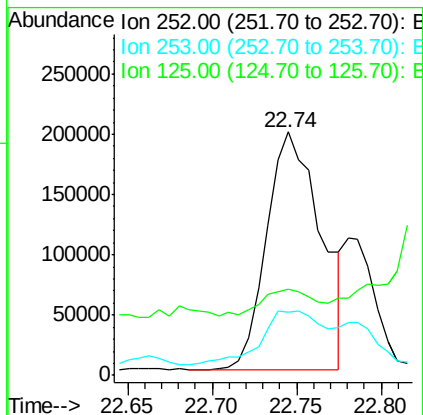
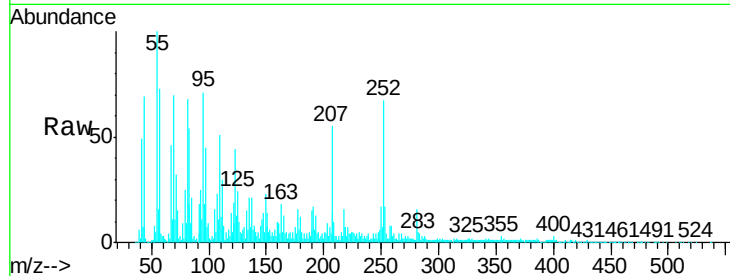
Instrument :

BNA_N

ClientSampleId :

JLMA1

Tgt Ion:	252	Resp:	440175
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.8	26.8
125	35.5	7.8	11.6#



#90

Benzo(a)pyrene

Concen: 3.457 ng/ul

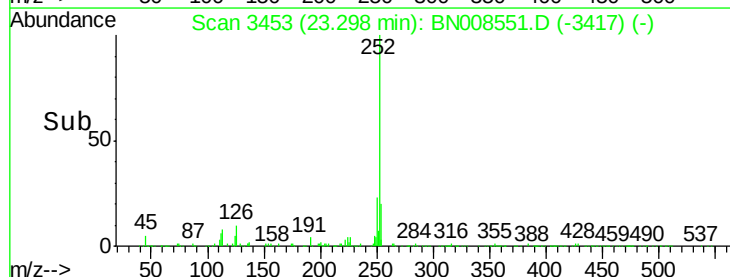
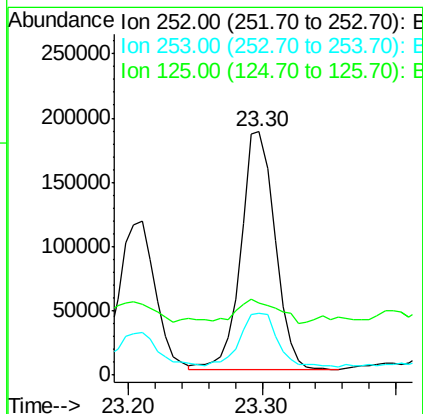
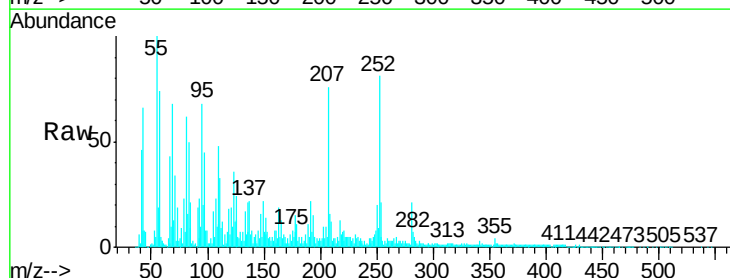
RT: 23.30 min Scan# 3453

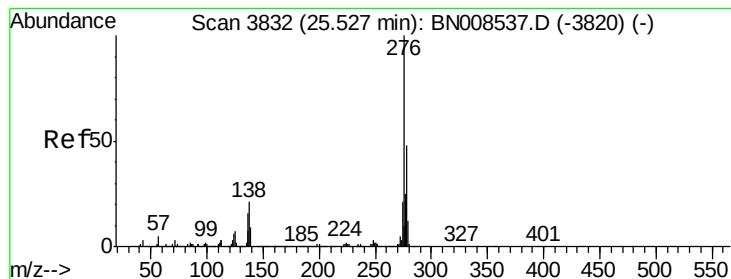
Delta R.T. 0.01 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Tgt Ion:	252	Resp:	323033
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.2	25.8
125	29.8	8.6	12.8#





#91

Indeno(1,2,3-cd)pyrene

Concen: 1.759 ng/ul

RT: 25.55 min Scan# 3836

Delta R.T. 0.02 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Instrument :

BNA_N

ClientSampled :

JLMA1

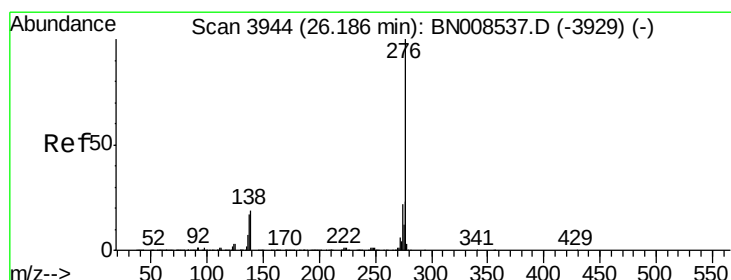
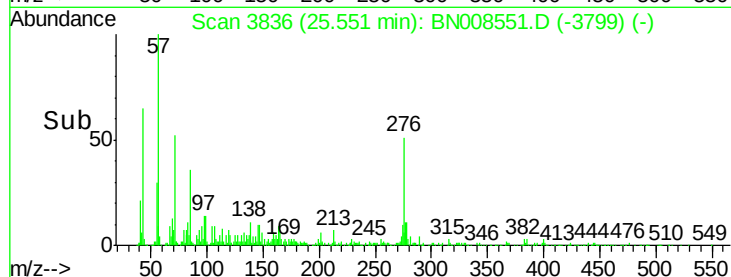
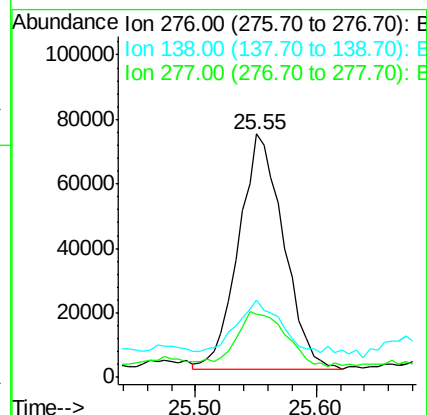
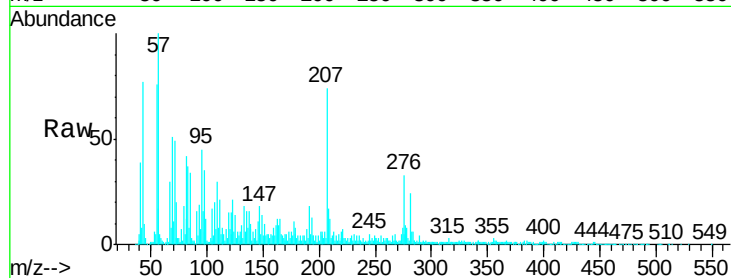
Tgt Ion:276 Resp: 188164

Ion Ratio Lower Upper

276 100

138 31.5 18.6 28.0#

277 26.2 19.7 29.5



#93

Benzo(g,h,i)perylene

Concen: 1.925 ng/ul

RT: 26.21 min Scan# 3948

Delta R.T. 0.02 min

Lab File: BN008551.D

Acq: 14 Nov 2019 08:58

Tgt Ion:276 Resp: 172795

Ion Ratio Lower Upper

276 100

138 31.1 16.4 24.6#

277 24.5 18.2 27.4

