

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009609.D
 Acq On : 06 Feb 2020 14:32
 Operator : CG/JU
 Sample : L1323-18
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 06 21:08:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	139187	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	569154	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	349430	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	686378	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	624308	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	724358	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	15152	4.47	ng/uL	0.00
5) Phenol-d5	6.63	99	283111	23.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	204102	25.03	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	229097	25.64	ng/ul	-0.01
13) 4-Methylphenol-d8	8.15	113	221715	22.93	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	115206	27.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	126491	26.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	217043	24.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	290402	30.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	671208	26.31	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	808110	26.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	94605	19.64	ng/ul	0.00
57) Fluorene-d10	15.07	176	575828	25.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	79639	18.58	ng/ul	0.01
70) Anthracene-d10	16.93	188	883682	28.33	ng/ul	0.00
78) Pyrene-d10	19.24	212	919779	28.03	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	988069	27.70	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.60	77	10469	1.257	ng/ul#	1
17) Hexachloroethane	8.46	117	30007	7.141	ng/ul#	8
30) 4-Chloroaniline	10.26	127	4240445	431.590	ng/ul#	4
34) 2-Methylnaphthalene	11.87	142	7380095	341.678	ng/ul	99
40) 1,1'-Biphenyl	12.90	154	1239645	45.564	ng/ul	99
47) Acenaphthylene	13.79	152	4166897	123.538	ng/ul	99
49) Acenaphthene	14.14	153	361629	15.771	ng/ul	98
53) Dibenzofuran	14.47	168	379933	11.899	ng/ul	92
54) 2,4-Dinitrotoluene	14.45	165	17657	2.278	ng/ul#	41
58) Fluorene	15.14	166	2621381	98.234	ng/ul	100
64) N-Nitrosodiphenylamine	15.35	169	23209	1.131	ng/ul#	38
69) Phenanthrene	16.89	178	11541425	294.850	ng/ul	98
71) Anthracene	16.96	178	2694566	67.844	ng/ul	99
74) Carbazole	17.24	167	125106	3.618	ng/ul	96
76) Fluoranthene	18.90	202	4631047	103.660	ng/ul	97
79) Pyrene	19.27	202	6936055	152.192	ng/ul	99
82) Benzo(a)anthracene	21.08	228	2087689	48.433	ng/ul	95
84) Chrysene	21.08	228	2088353	48.666	ng/ul	98
87) Benzo(b)fluoranthene	22.55	252	1706444	37.653	ng/ul	99
88) Benzo(k)fluoranthene	22.55	252	1706444	38.234	ng/ul	99
90) Benzo(a)pyrene	23.07	252	2007241	47.804	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.22	276	774201	15.508	ng/ul	97
92) Dibenz(a,h)anthracene	25.22	278	218487	5.199	ng/ul#	85

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Response via : Initial Calibration

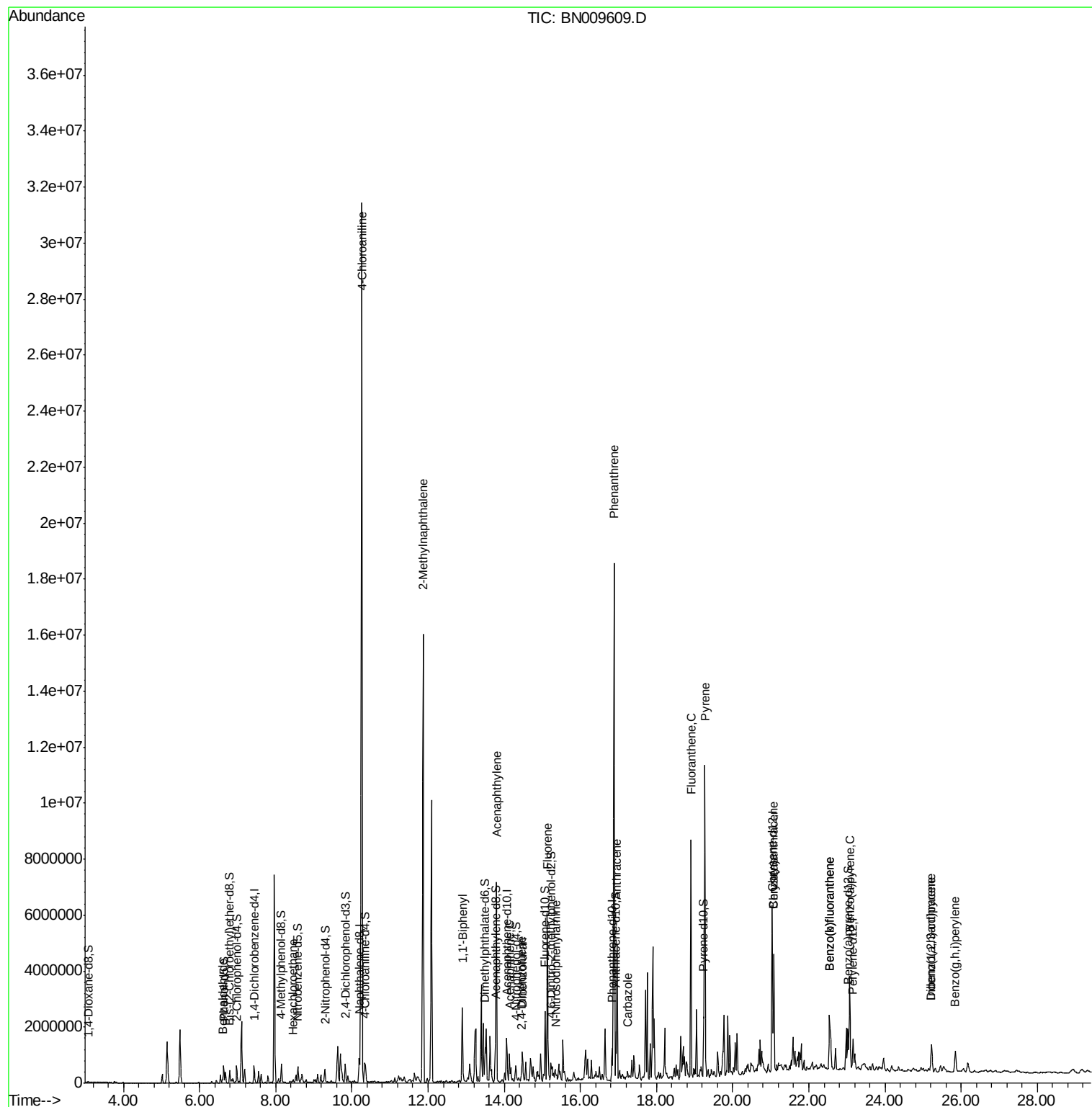
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	25.84	276	747188	17.859	ng/ul	96

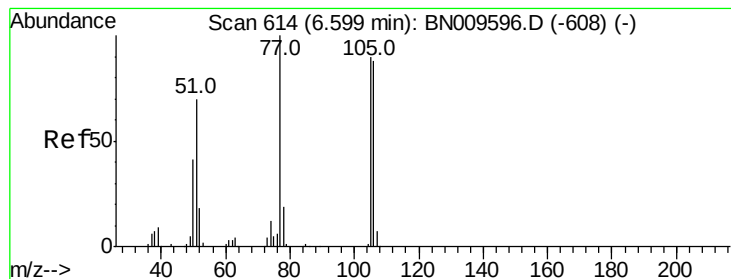
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.257 ng/ul

RT: 6.60 min Scan# 615

Delta R.T. 0.00 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

Instrument :

BNA_N

ClientSampleId :

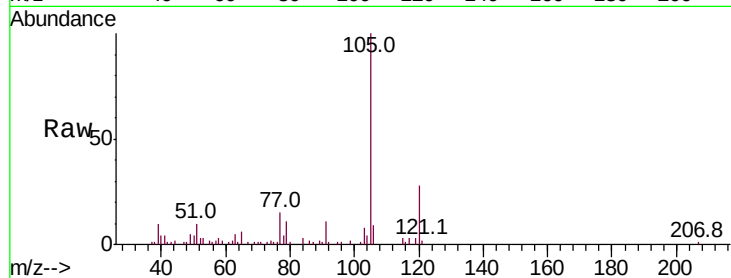
Tot Ion: 77 Resp: 10469

Ion Ratio Lower Upper

77 100

105 669.2 74.5 111.7#

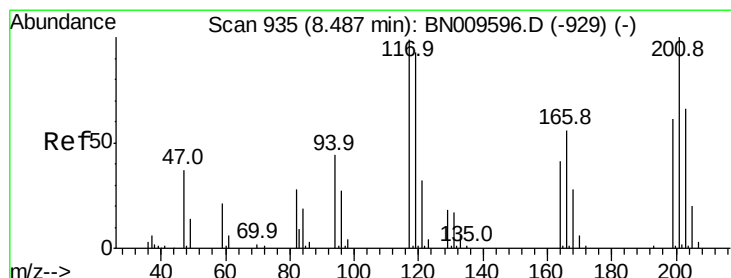
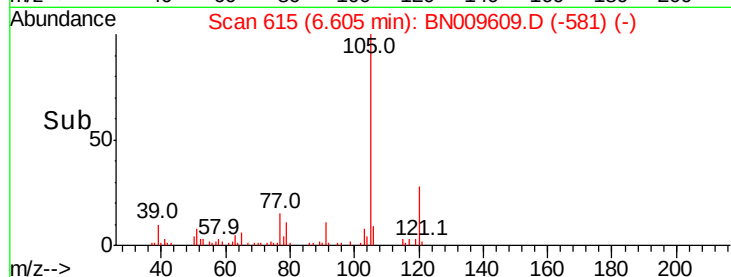
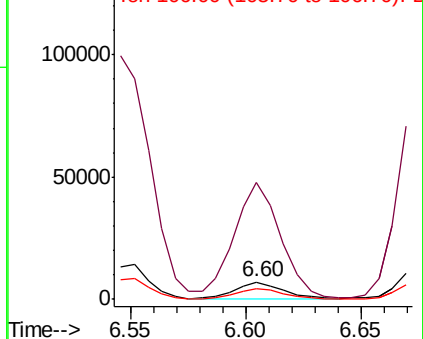
106 58.7 70.8 106.2#



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#17

Hexachloroethane

Concen: 7.141 ng/ul

RT: 8.46 min Scan# 930

Delta R.T. -0.04 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

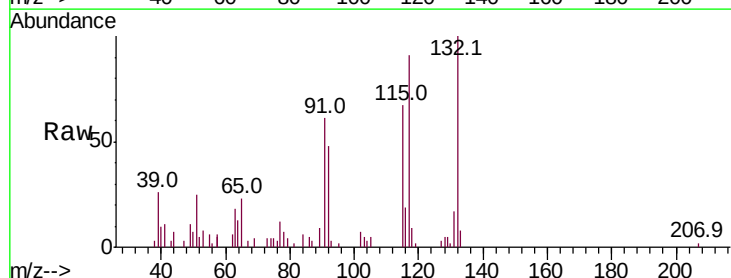
Tgt Ion: 117 Resp: 30007

Ion Ratio Lower Upper

117 100

201 0.0 78.8 118.2#

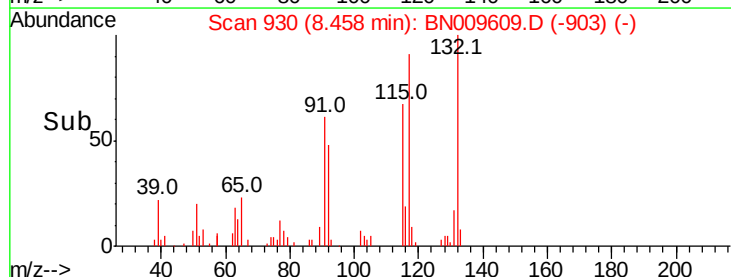
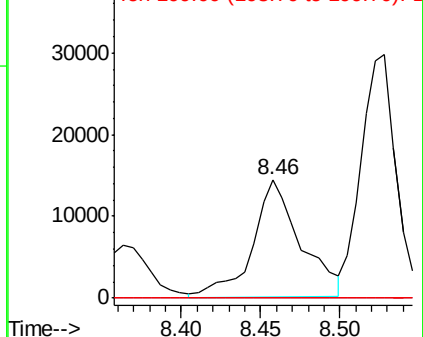
199 0.0 49.0 73.4#

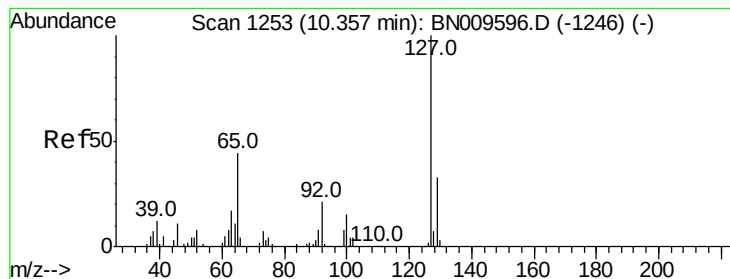


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#30

4-Chloroaniline

Concen: 431.590 ng/ul

RT: 10.26 min Scan# 1237

Delta R.T. -0.10 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

Instrument :

BNA_N

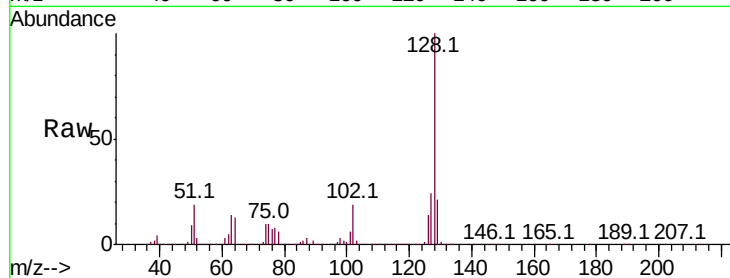
ClientSampleId :

Tot Ion:127 Resp: 4240445

Ion Ratio Lower Upper

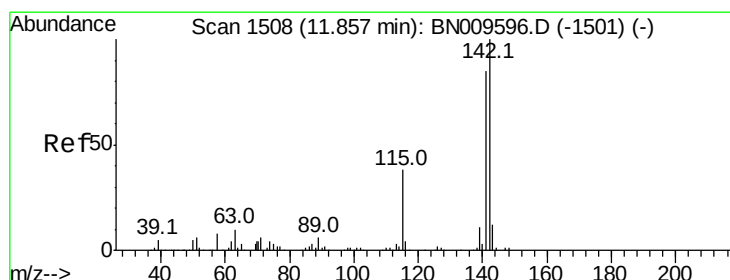
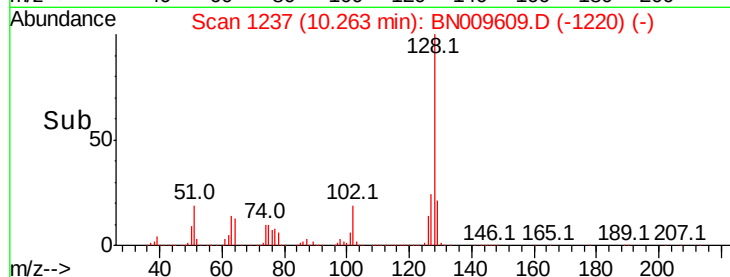
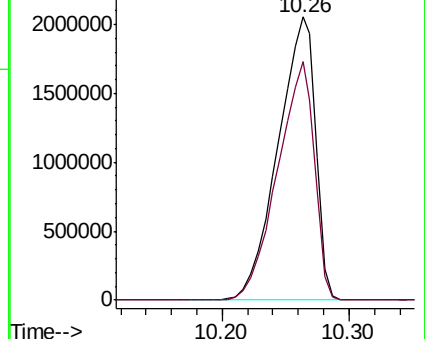
127 100

129 84.4 25.2 37.8#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 341.678 ng/ul

RT: 11.87 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BN009609.D

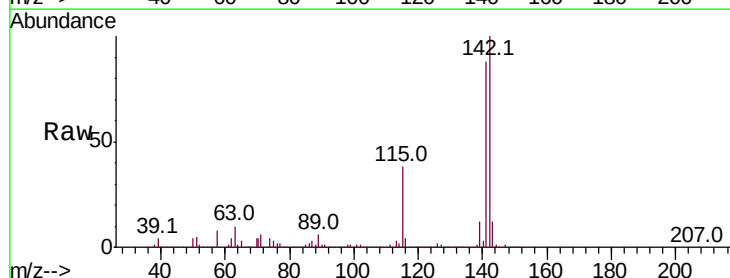
Acq: 06 Feb 2020 14:32

Tgt Ion:142 Resp: 7380095

Ion Ratio Lower Upper

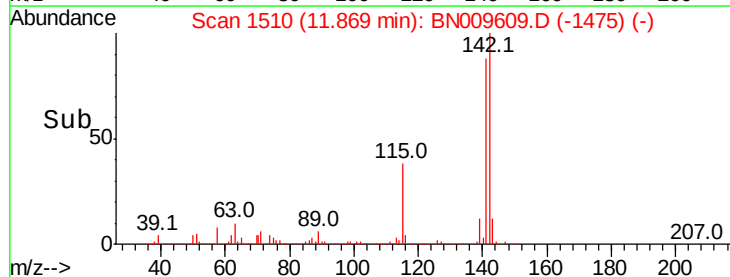
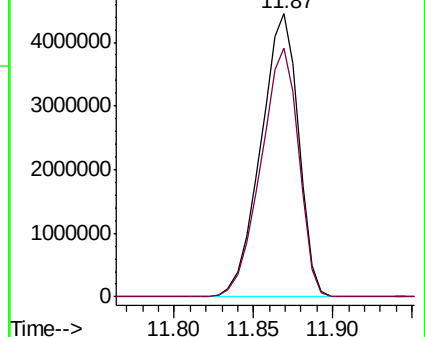
142 100

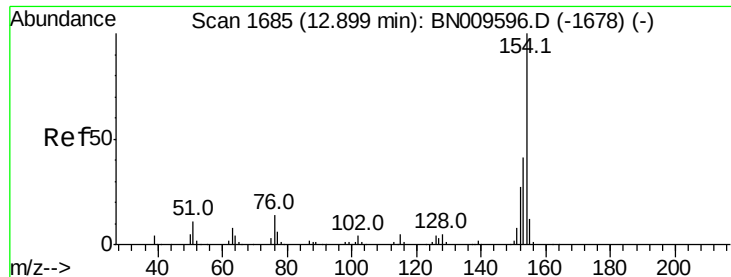
141 88.1 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

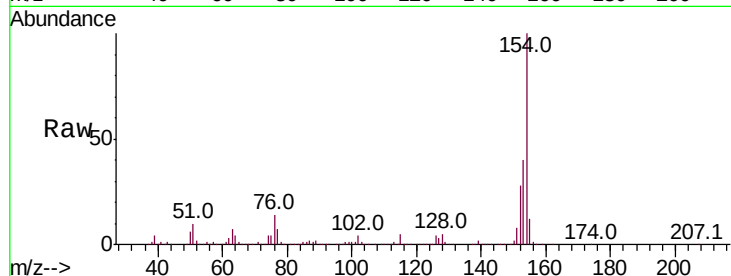




#40
 1,1'-Biphenyl
 Concen: 45.564 ng/ul
 RT: 12.90 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: BN009609.D
 Acq: 06 Feb 2020 14:32

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.0	31.2	46.8
76	14.1	11.4	17.2

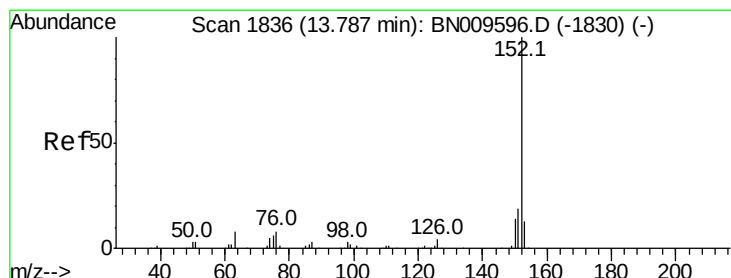
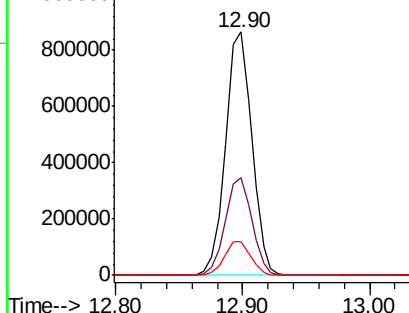
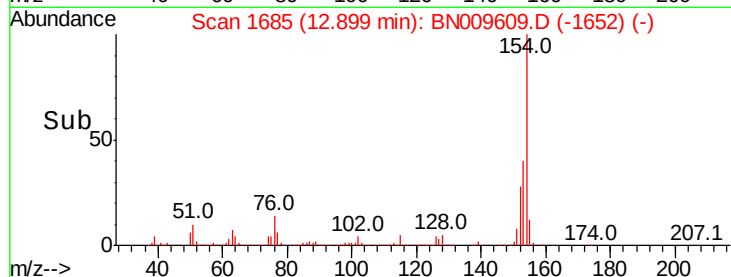


Abundance

Ion 154.00 (153.70 to 154.70): E

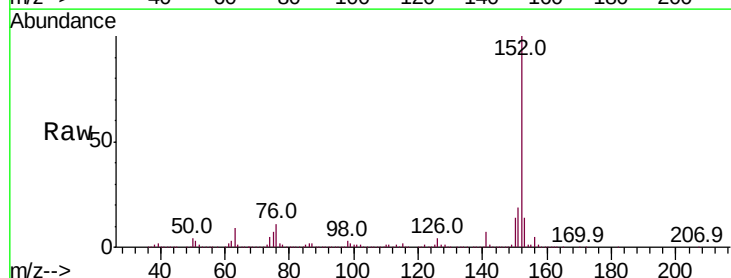
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNO



#47
 Acenaphthylene
 Concen: 123.538 ng/ul
 RT: 13.79 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BN009609.D
 Acq: 06 Feb 2020 14:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.2
153	13.7	10.6	15.8

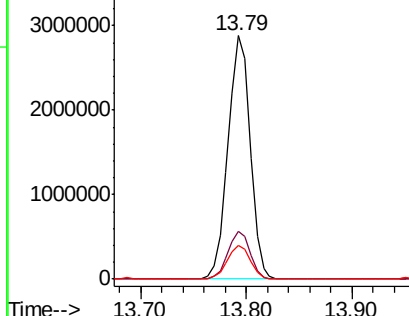
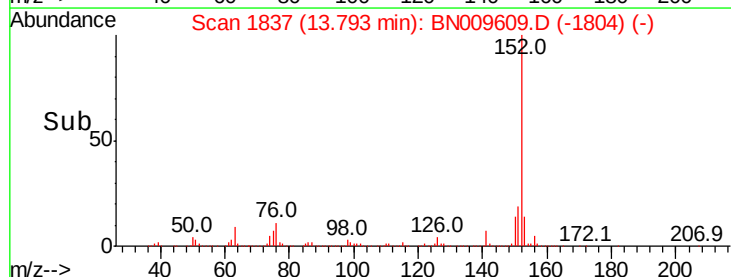


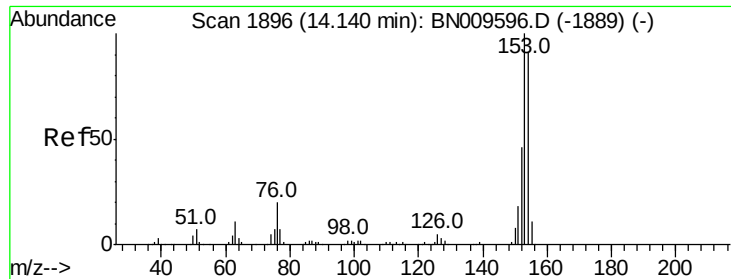
Abundance

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: 15.771 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

Instrument :

BNA_N

ClientSampleId :

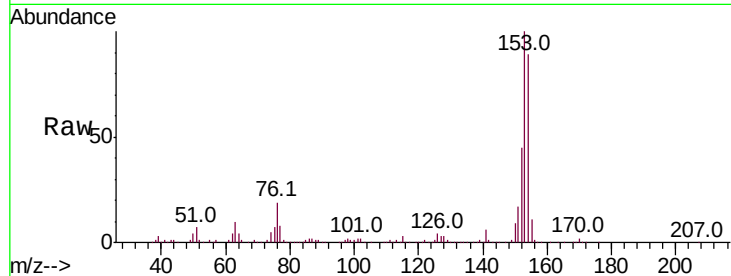
Tot Ion:153 Resp: 361629

Ion Ratio Lower Upper

153 100

152 45.3 37.3 55.9

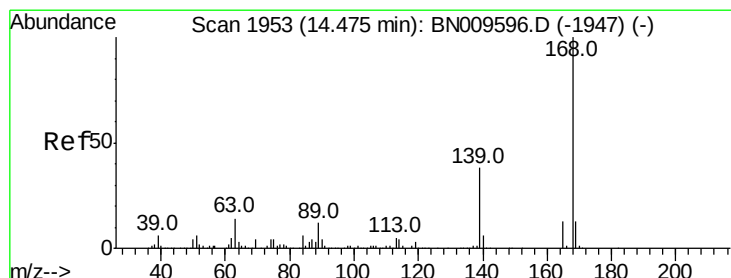
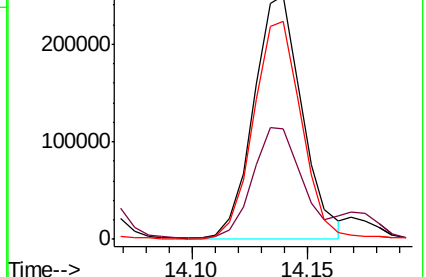
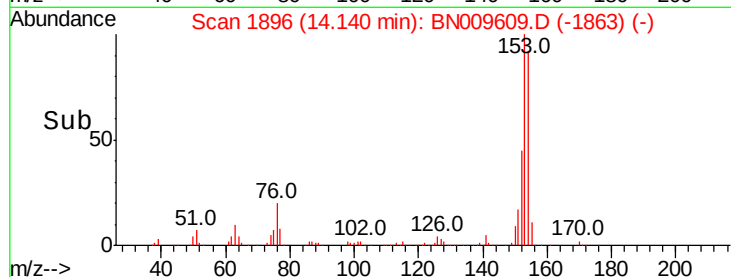
154 89.4 70.2 105.2



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: 11.899 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN009609.D

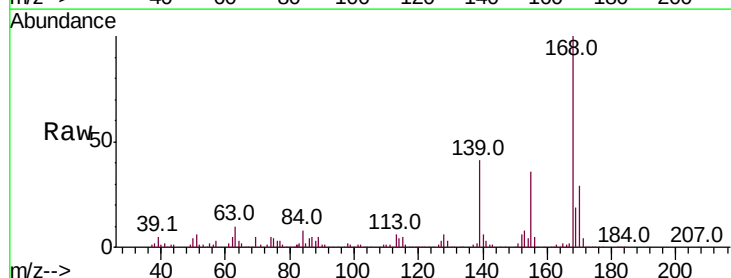
Acq: 06 Feb 2020 14:32

Tgt Ion:168 Resp: 379933

Ion Ratio Lower Upper

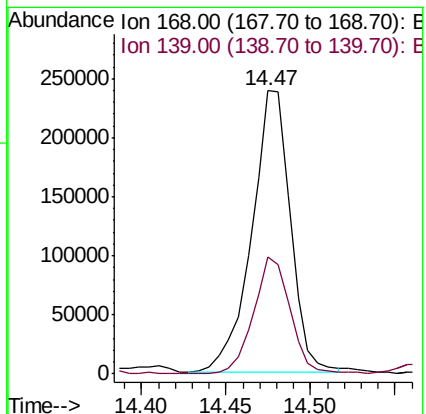
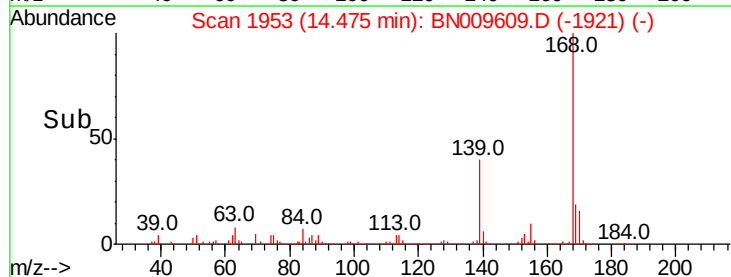
168 100

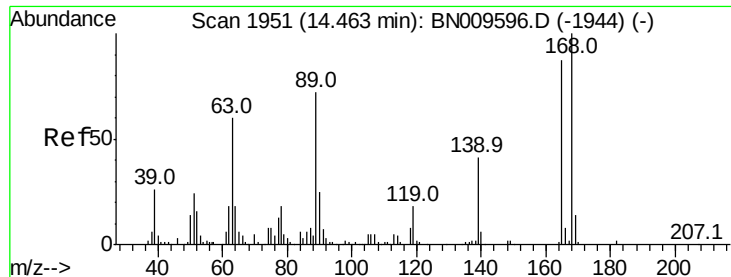
139 41.5 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

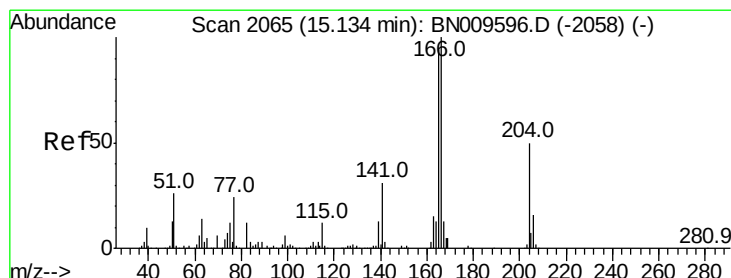
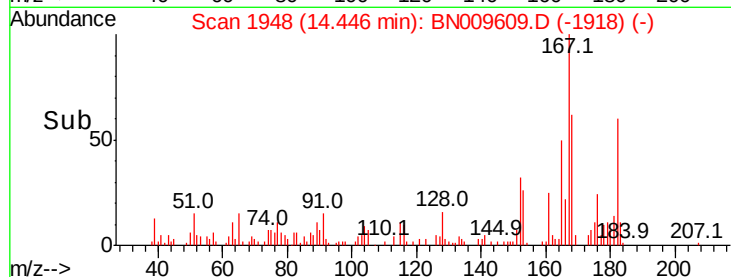
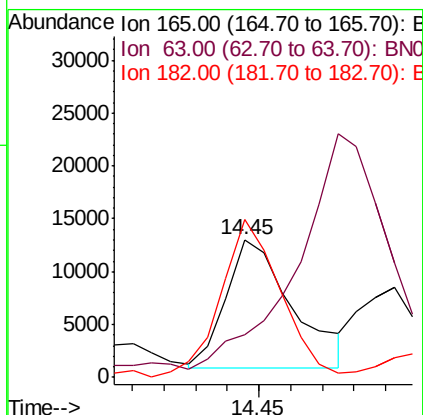
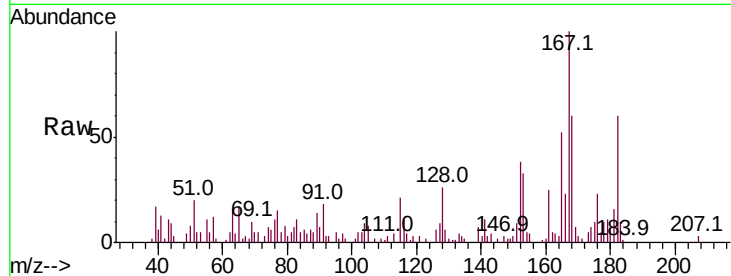




#54
 2,4-Dinitrotoluene
 Concen: 2.278 ng/ul
 RT: 14.45 min Scan# 1948
 Delta R.T. -0.02 min
 Lab File: BN009609.D
 Acq: 06 Feb 2020 14:32

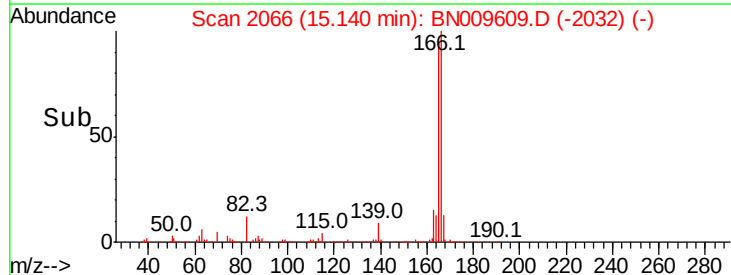
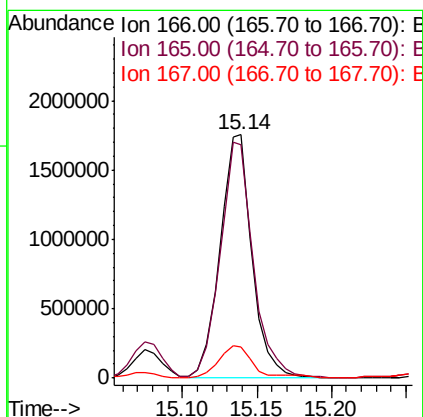
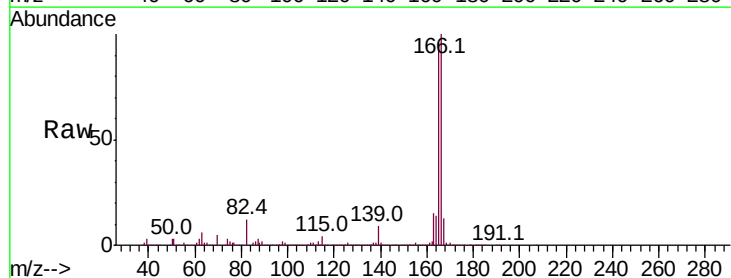
Instrument :
 BNA_N
 ClientSampleId :

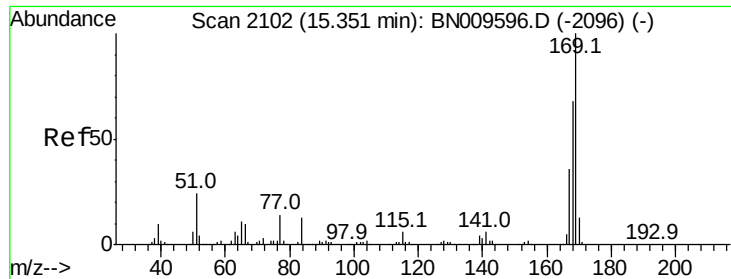
Tot Ion:165 Resp: 17657
 Ion Ratio Lower Upper
 165 100
 63 30.9 55.0 82.4#
 182 115.0 2.4 3.6#



#58
 Fluorene
 Concen: 98.234 ng/ul
 RT: 15.14 min Scan# 2066
 Delta R.T. 0.00 min
 Lab File: BN009609.D
 Acq: 06 Feb 2020 14:32

Tgt Ion:166 Resp: 2621381
 Ion Ratio Lower Upper
 166 100
 165 96.1 76.7 115.1
 167 13.0 11.1 16.7





#64

N-Nitrosodiphenylamine

Concen: 1.131 ng/ul

RT: 15.35 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

Instrument :

BNA_N

ClientSampled :

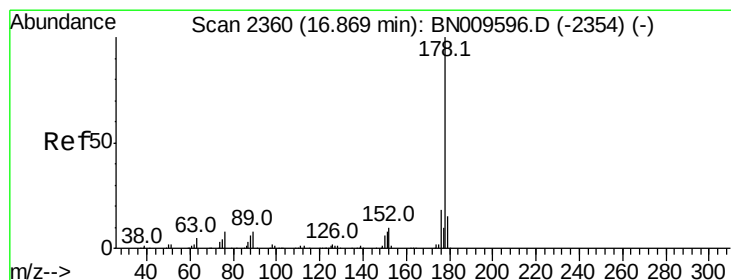
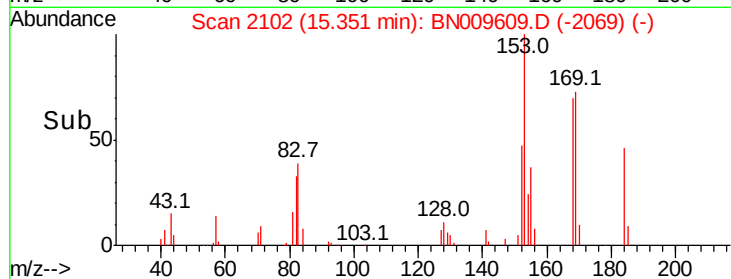
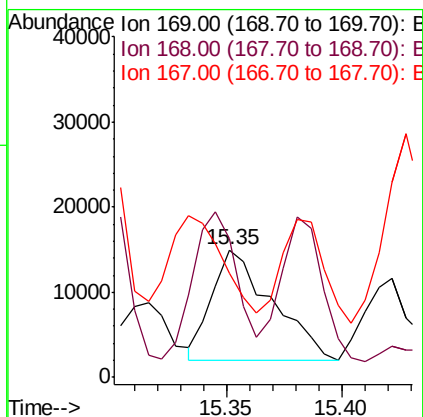
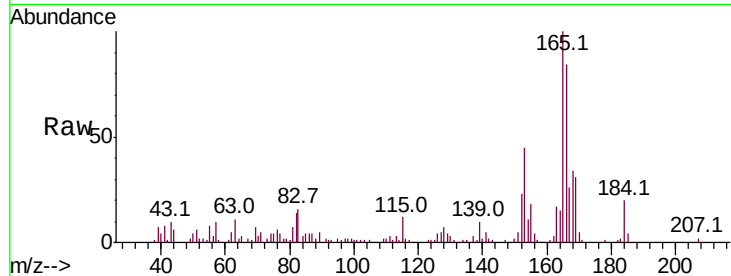
Tot Ion:169 Resp: 23209

Ion Ratio Lower Upper

169 100

168 109.4 53.8 80.8#

167 81.6 27.5 41.3#



#69

Phenanthrene

Concen: 294.850 ng/ul

RT: 16.89 min Scan# 2363

Delta R.T. 0.01 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

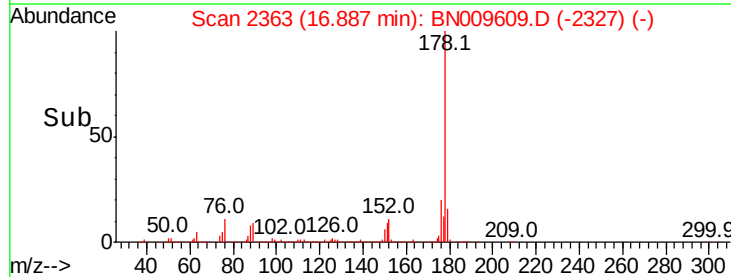
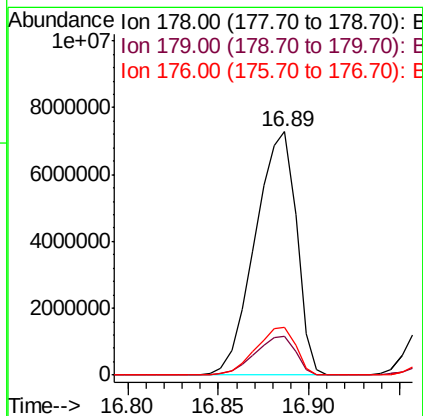
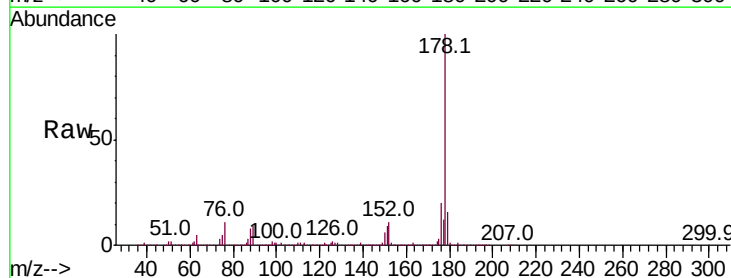
Tgt Ion:178 Resp:11541425

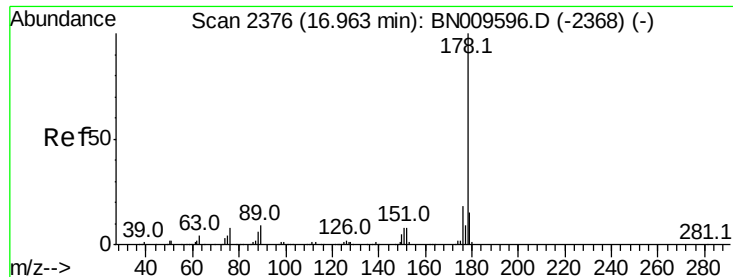
Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

176 19.9 14.8 22.2



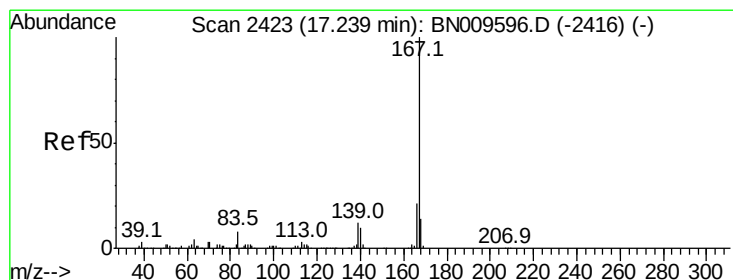
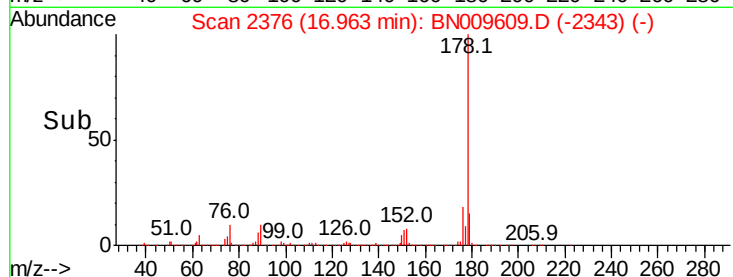
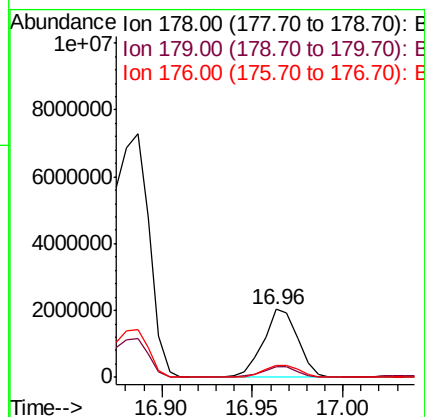
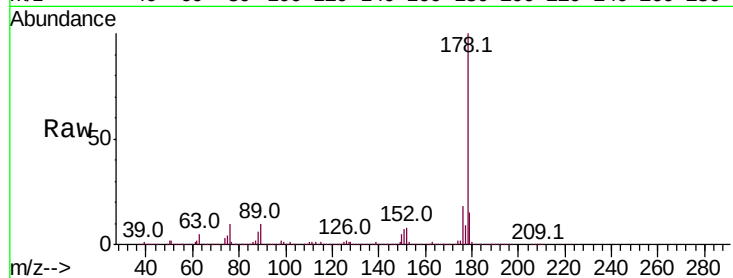


#71
 Anthracene
 Concen: 67.844 ng/ul
 RT: 16.96 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BN009609.D
 Acq: 06 Feb 2020 14:32

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:178 Resp: 2694566

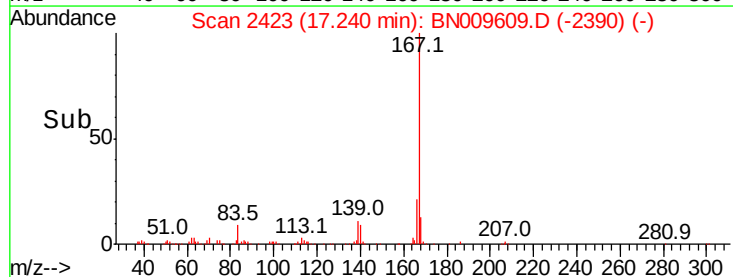
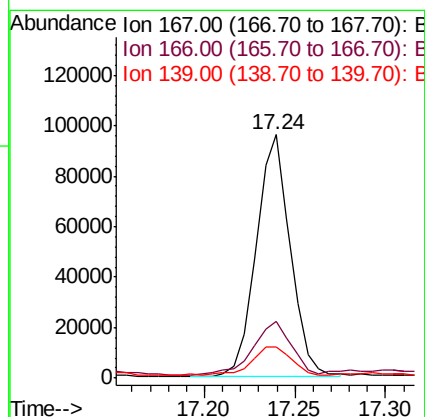
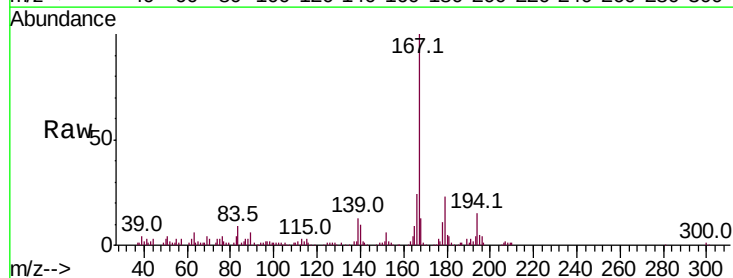
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.1	18.1
176	17.9	14.6	21.8

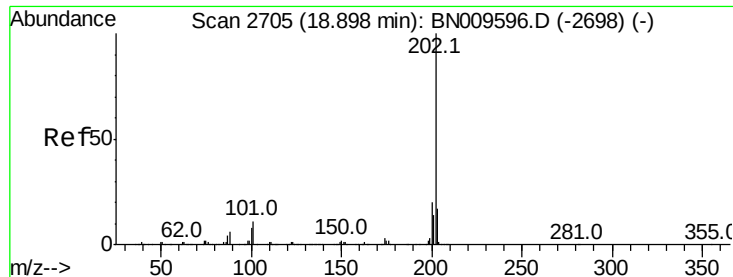


#74
 Carbazole
 Concen: 3.618 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BN009609.D
 Acq: 06 Feb 2020 14:32

Tgt Ion:167 Resp: 125106

Ion	Ratio	Lower	Upper
167	100		
166	23.6	16.2	24.4
139	13.0	10.4	15.6

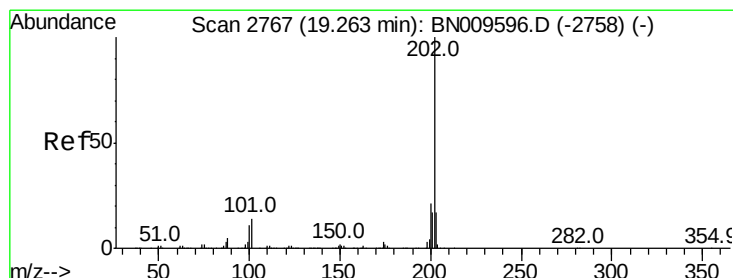
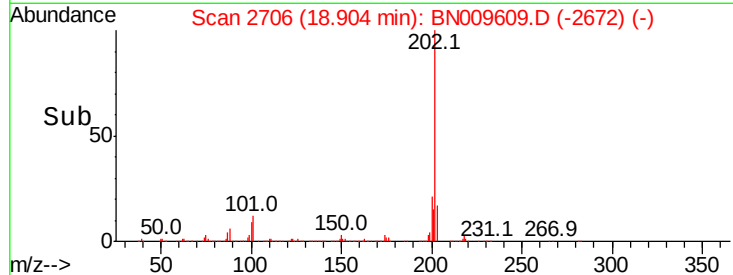
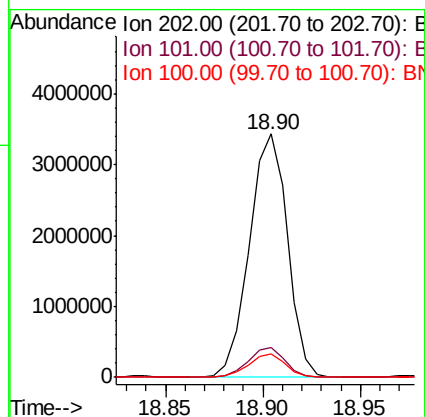
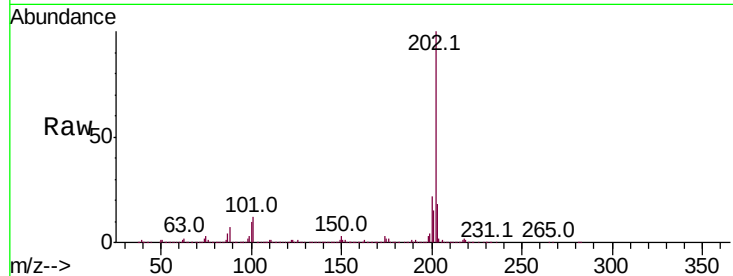




#76
Fluoranthene
Concen: 103.660 ng/ul
RT: 18.90 min Scan# 2706
Delta R.T. 0.00 min
Lab File: BN009609.D
Acq: 06 Feb 2020 14:32

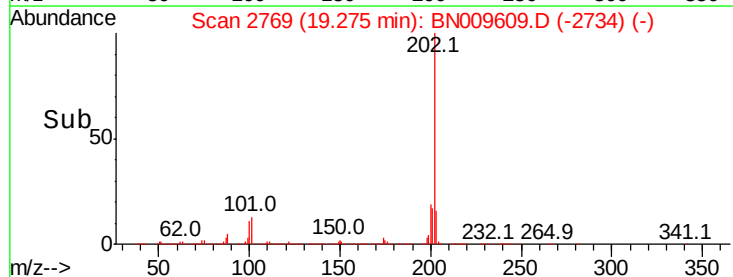
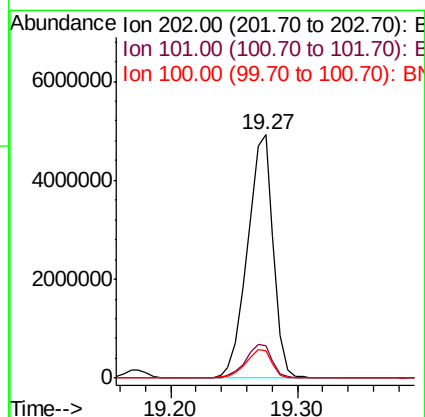
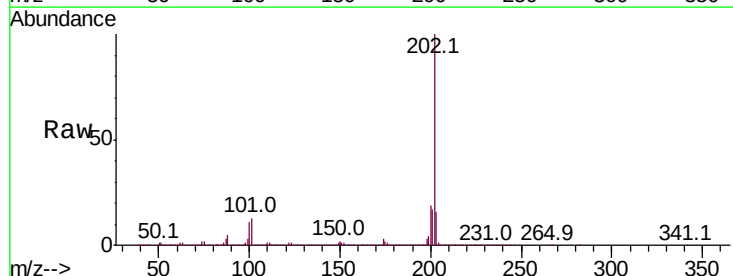
Instrument :
BNA_N
ClientSampleId :

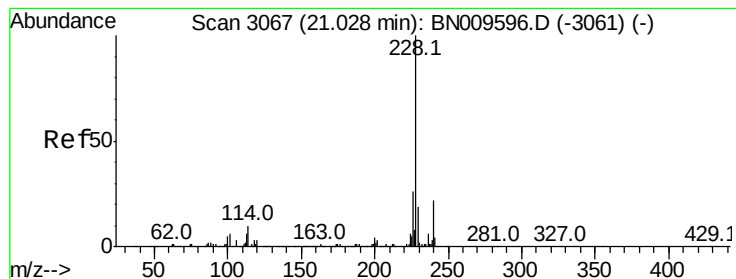
Tot Ion:202 Resp: 4631047
Ion Ratio Lower Upper
202 100
101 12.4 9.2 13.8
100 9.7 6.9 10.3



#79
Pyrene
Concen: 152.192 ng/ul
RT: 19.27 min Scan# 2769
Delta R.T. 0.01 min
Lab File: BN009609.D
Acq: 06 Feb 2020 14:32

Tgt Ion:202 Resp: 6936055
Ion Ratio Lower Upper
202 100
101 13.3 10.3 15.5
100 11.0 8.4 12.6





#82

Benzo(a)anthracene

Concen: 48.433 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.05 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

Instrument :

BNA_N

ClientSampled :

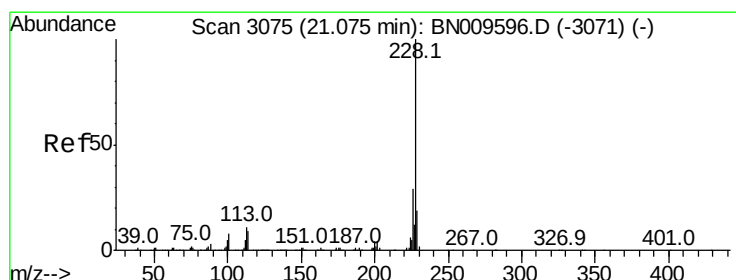
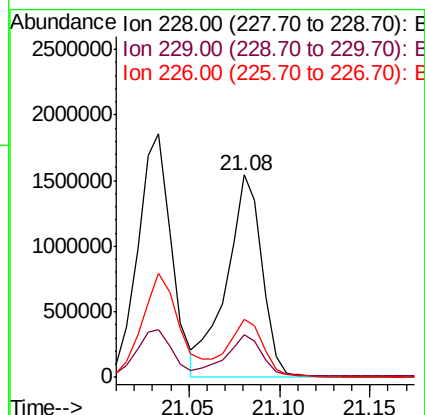
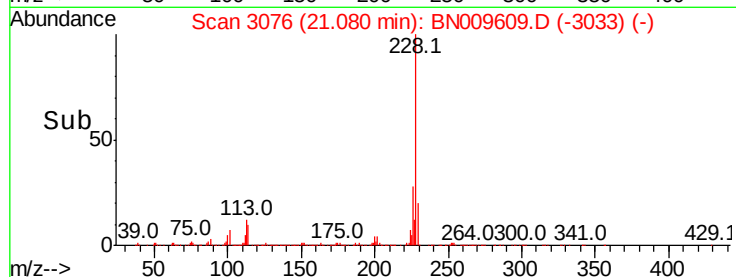
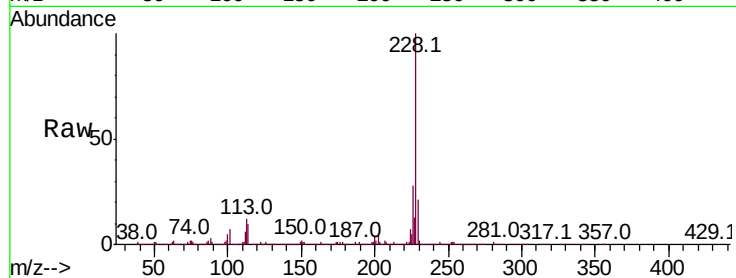
Tot Ion:228 Resp: 2087689

Ion Ratio Lower Upper

228 100

229 20.9 15.0 22.4

226 28.4 20.9 31.3



#84

Chrysene

Concen: 48.666 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

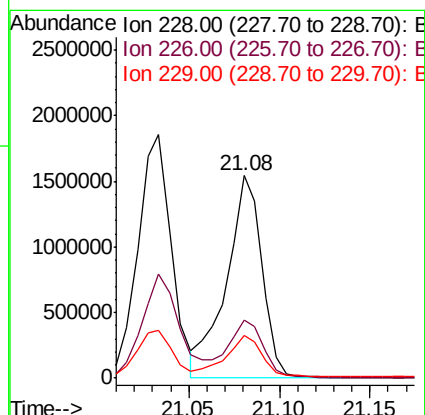
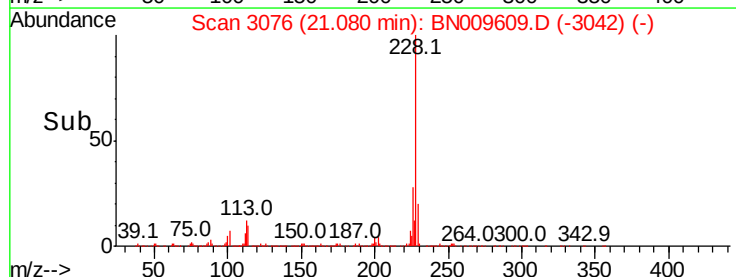
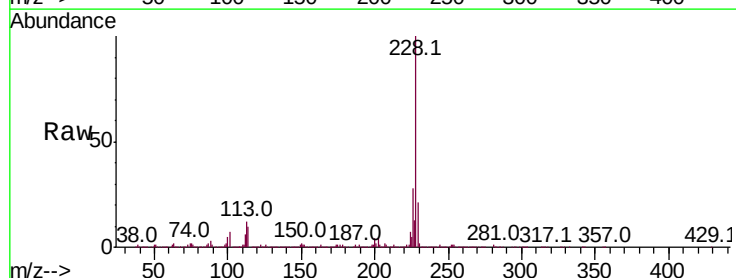
Tgt Ion:228 Resp: 2088353

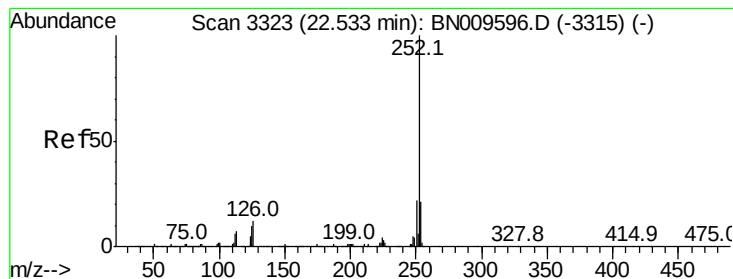
Ion Ratio Lower Upper

228 100

226 28.4 23.5 35.3

229 20.9 15.8 23.8





#87

Benzo(b)fluoranthene

Concen: 37.653 ng/ul

RT: 22.55 min Scan# 3325

Delta R.T. 0.01 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

Instrument :

BNA_N

ClientSampleId :

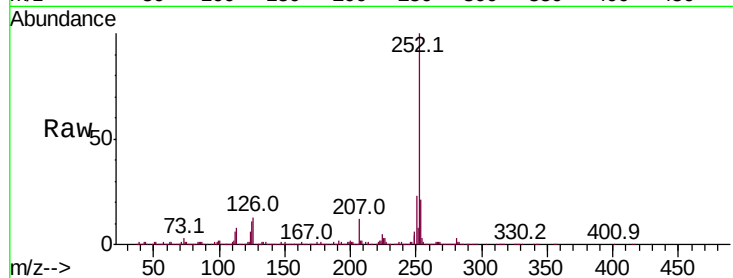
Tot Ion:252 Resp: 1706444

Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

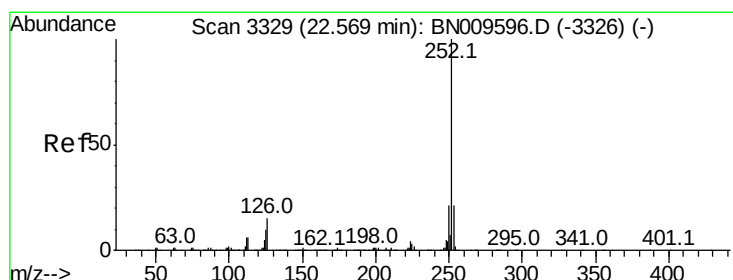
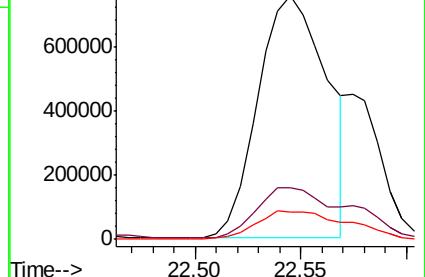
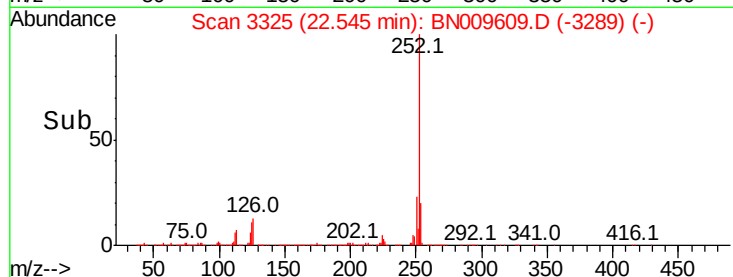
125 11.4 8.2 12.2



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: 38.234 ng/ul

RT: 22.55 min Scan# 3325

Delta R.T. -0.03 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

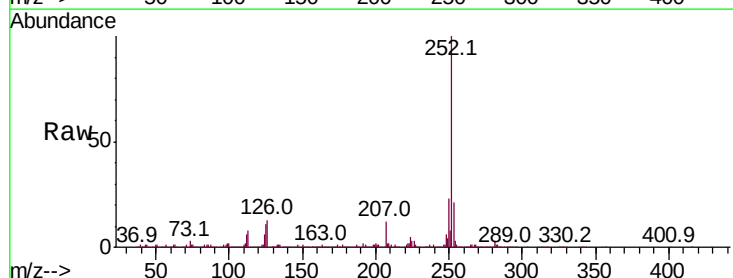
Tgt Ion:252 Resp: 1706444

Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.4

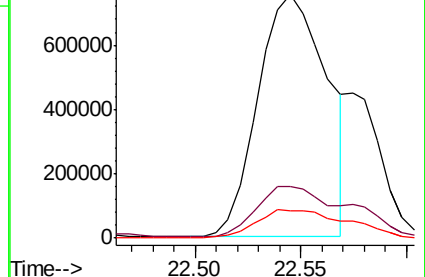
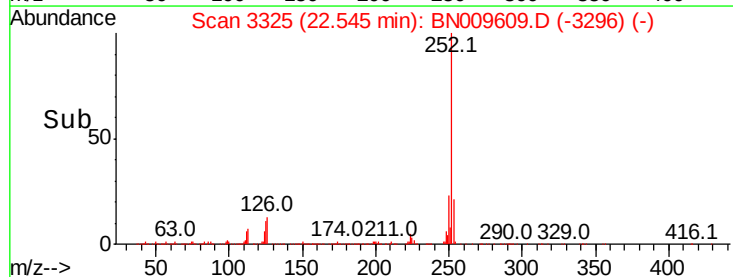
125 11.4 8.0 12.0

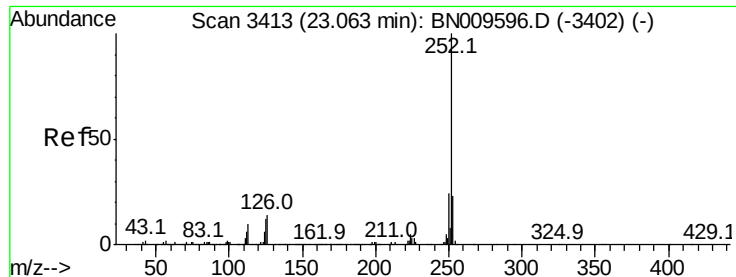


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

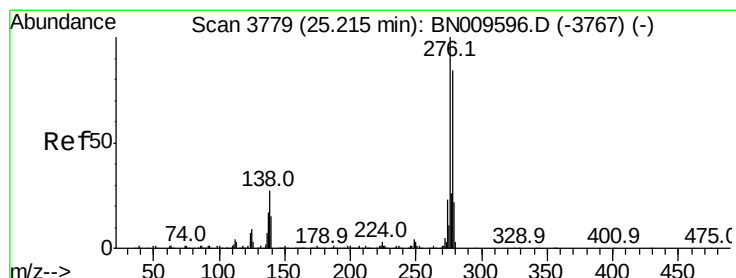
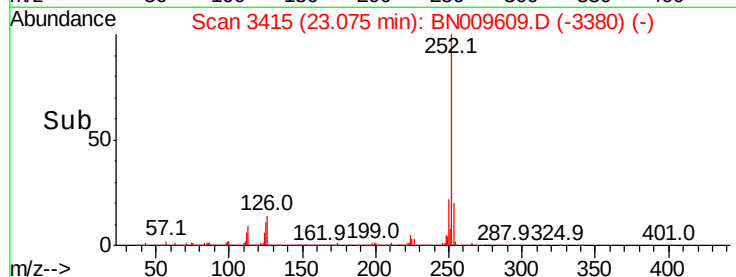
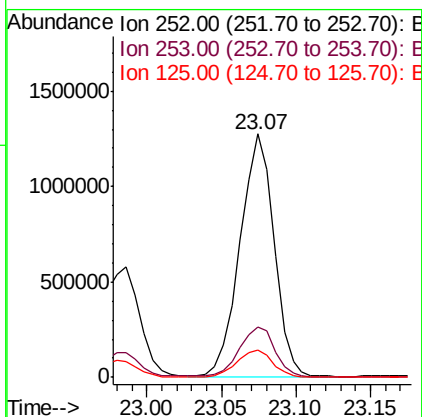
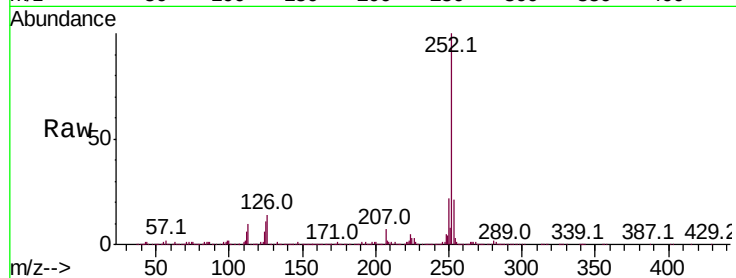




#90
Benzo(a)pyrene
Concen: 47.804 ng/ul
RT: 23.07 min Scan# 3415
Delta R.T. 0.01 min
Lab File: BN009609.D
Acq: 06 Feb 2020 14:32

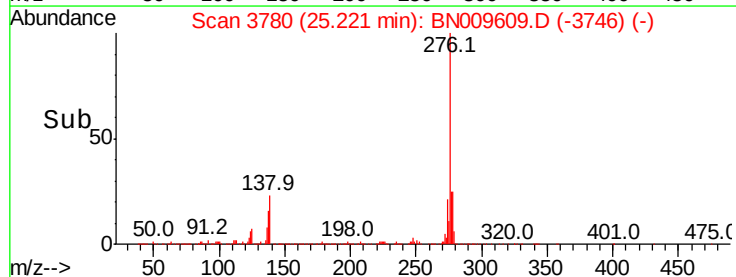
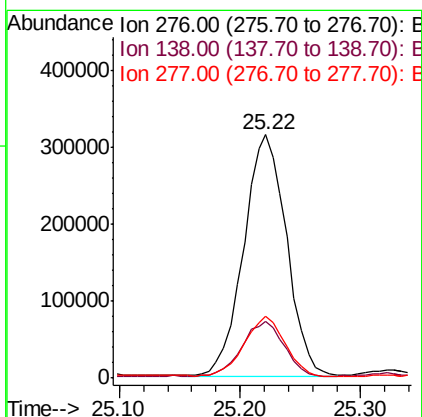
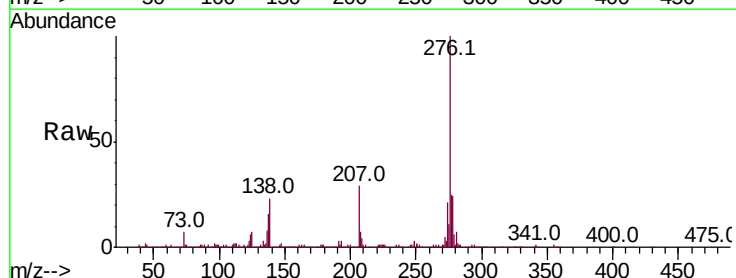
Instrument :
BNA_N
ClientSampleId :

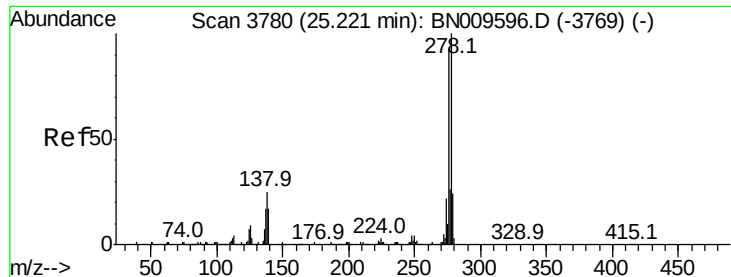
Tot Ion:252 Resp: 2007241
Ion Ratio Lower Upper
252 100
253 20.8 15.8 23.8
125 11.3 8.7 13.1



#91
Indeno(1,2,3-cd)pyrene
Concen: 15.508 ng/ul
RT: 25.22 min Scan# 3780
Delta R.T. 0.00 min
Lab File: BN009609.D
Acq: 06 Feb 2020 14:32

Tgt Ion:276 Resp: 774201
Ion Ratio Lower Upper
276 100
138 23.4 20.3 30.5
277 25.2 21.2 31.8





#92

Dibenzo(a,h)anthracene

Concen: 5.199 ng/ul

RT: 25.22 min Scan# 3780

Delta R.T. -0.01 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

Instrument :

BNA_N

ClientSampleId :

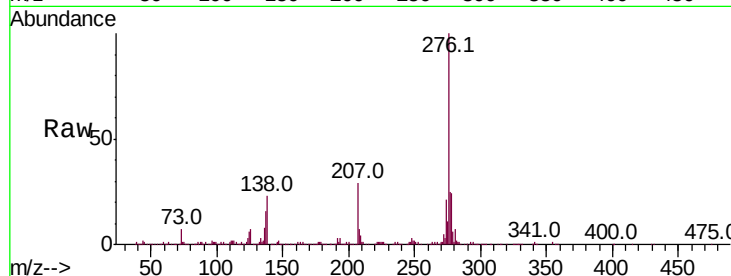
Tot Ion:278 Resp: 218487

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

279 24.8 19.8 29.8

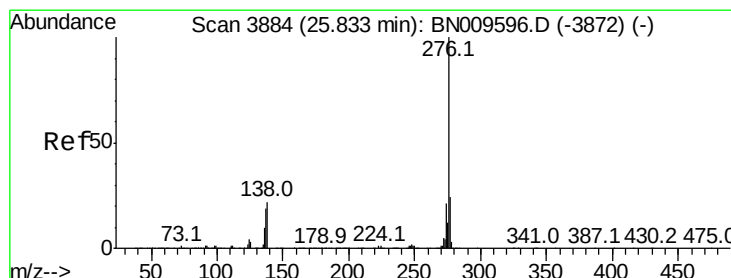
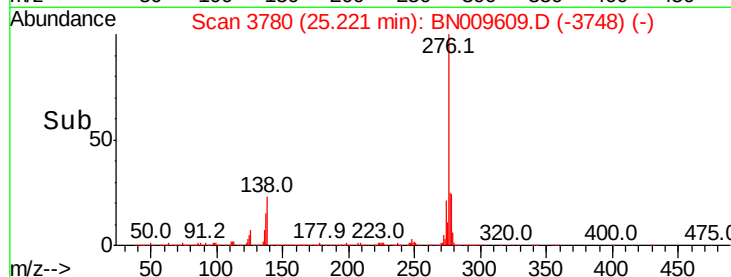
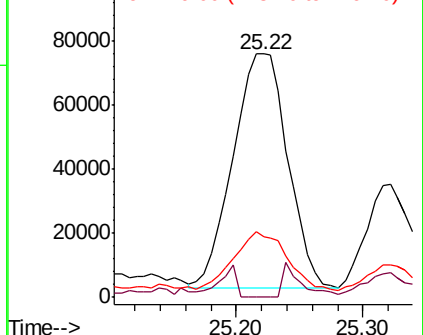


Abundance

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(g,h,i)perylene

Concen: 17.859 ng/ul

RT: 25.84 min Scan# 3886

Delta R.T. -0.01 min

Lab File: BN009609.D

Acq: 06 Feb 2020 14:32

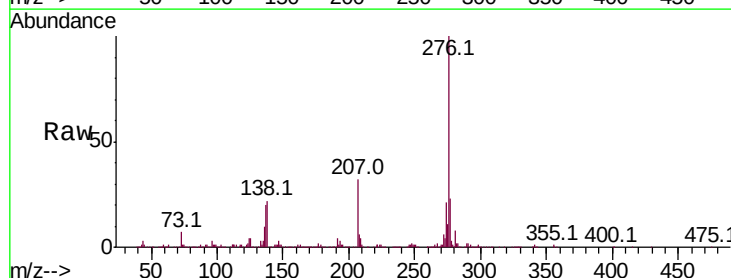
Tgt Ion:276 Resp: 747188

Ion Ratio Lower Upper

276 100

138 21.8 16.0 24.0

277 23.0 17.0 25.6



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

