

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009610.D
 Acq On : 06 Feb 2020 15:08
 Operator : CG/JU
 Sample : L1323-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 06 21:08:46 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	142115	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	567817	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	335546	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	645958	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	589012	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	689515	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	8096	2.34	ng/uL	0.00
5) Phenol-d5	6.63	99	168050	13.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	123588	14.84	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	133039	14.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	134719	13.65	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	67148	15.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	72024	15.28	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.82	165	132675	15.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.34	131	55901	5.89	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	390483	15.94	ng/ul	0.00
46) Acenaphthylene-d8	13.77	160	481201	16.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	64759	14.00	ng/ul	0.00
57) Fluorene-d10	15.08	176	354899	16.48	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	48872	12.11	ng/ul	0.02
70) Anthracene-d10	16.94	188	502066	17.11	ng/ul	0.00
78) Pyrene-d10	19.24	212	556607	17.98	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	578894	17.05	ng/ul	0.01

Target Compounds

					Ovalue
4) Benzaldehyde	6.61	77	9518	1.119	ng/ul 99
6) Phenol	6.66	94	17216	1.300	ng/ul 96
14) Acetophenone	8.26	105	56123	3.553	ng/ul 91
34) 2-Methylnaphthalene	11.86	142	645192	29.941	ng/ul 100
44) Dimethylphthalate	13.55	163	58511	2.251	ng/ul 97
47) Acenaphthylene	13.80	152	5833014	180.090	ng/ul 98
49) Acenaphthene	14.14	153	966222	43.882	ng/ul 100
53) Dibenzofuran	14.48	168	746117	24.334	ng/ul# 87
54) 2,4-Dinitrotoluene	14.46	165	58995	7.925	ng/ul# 88
58) Fluorene	15.15	166	5620118	219.323	ng/ul 99
64) N-Nitrosodiphenylamine	15.36	169	142083	7.360	ng/ul# 84
69) Phenanthrene	16.97	178	5055442	137.233	ng/ul 99
71) Anthracene	16.97	178	5055442	135.251	ng/ul 99
76) Fluoranthene	18.91	202	7626981	181.403	ng/ul 96
79) Pyrene	19.29	202	12456632	289.703	ng/ul 97
82) Benzo(a)anthracene	21.09	228	4005492	98.492	ng/ul 93
84) Chrysene	21.09	228	4006485	98.959	ng/ul 98
87) Benzo(b)fluoranthene	22.55	252	2659301	61.644	ng/ul 98
88) Benzo(k)fluoranthene	22.55	252	2659301	62.594	ng/ul# 98
90) Benzo(a)pyrene	23.08	252	2787139	69.732	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	25.23	276	1096869	23.082	ng/ul 96
92) Dibenz(a,h)anthracene	25.23	278	415906	10.398	ng/ul# 93
93) Benzo(g,h,i)perylene	25.86	276	1001399	25.144	ng/ul 98

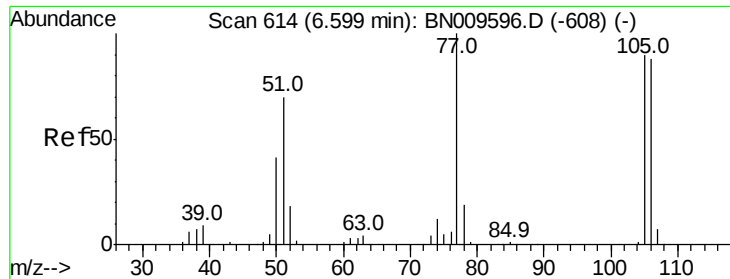
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009610.D
Acq On : 06 Feb 2020 15:08
Operator : CG/JU
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 03 16:39:56 2020
Response via : Initial Calibration

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

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



#4

Benzaldehyde

Concen: 1.119 ng/ul

RT: 6.61 min Scan# 616

Delta R.T. 0.01 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

Instrument :

BNA_N

ClientSampleId :

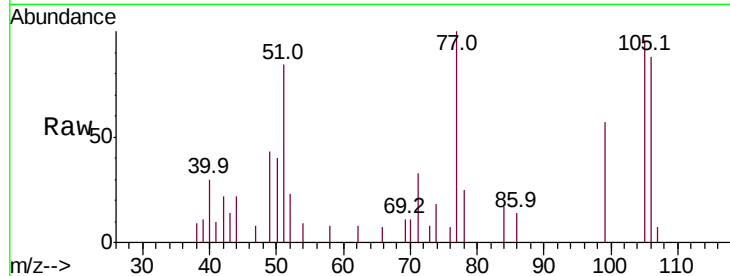
Tot Ion: 77 Resp: 9518

Ion Ratio Lower Upper

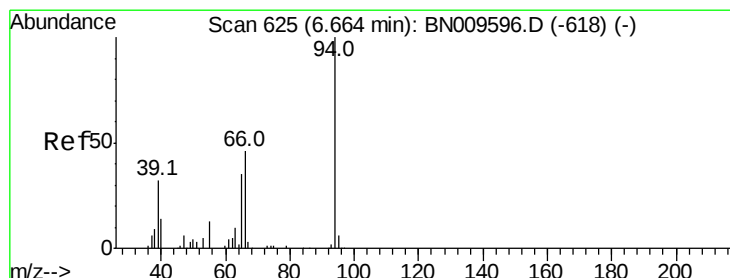
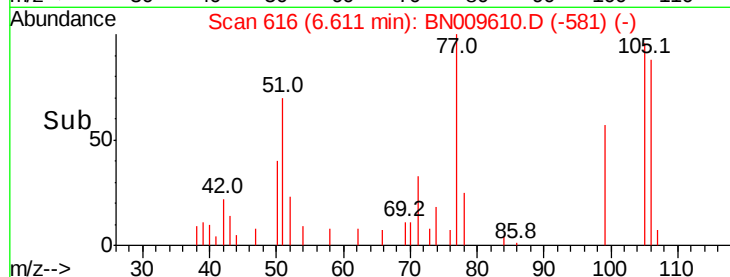
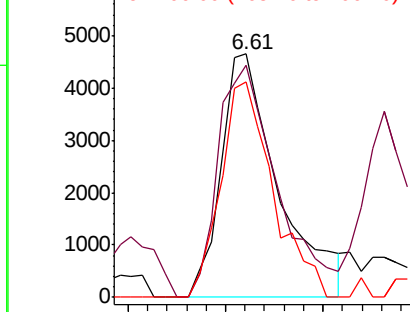
77 100

105 95.5 74.5 111.7

106 88.3 70.8 106.2



Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 105.00 (104.70 to 105.70): BNC
Ion 106.00 (105.70 to 106.70): BNC



#6

Phenol

Concen: 1.300 ng/ul

RT: 6.66 min Scan# 625

Delta R.T. -0.01 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

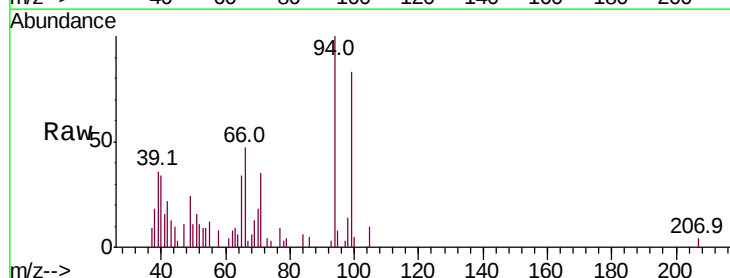
Tgt Ion: 94 Resp: 17216

Ion Ratio Lower Upper

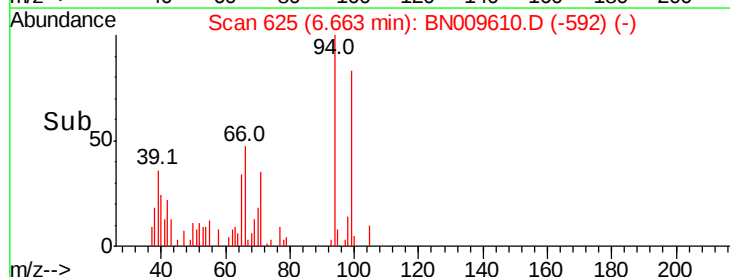
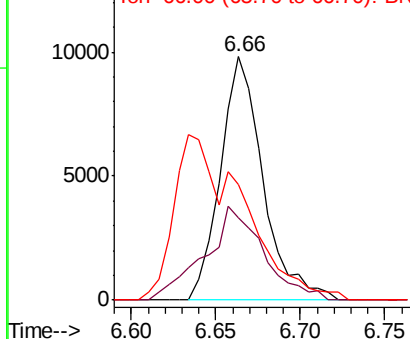
94 100

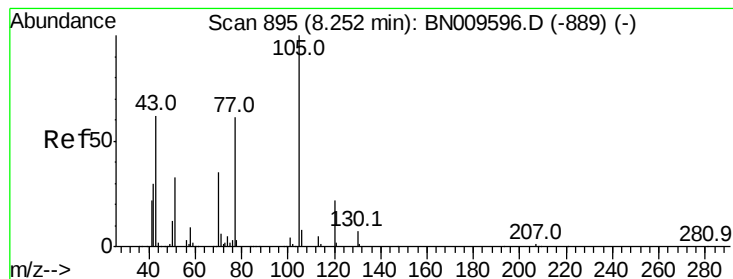
65 33.8 29.8 44.6

66 47.4 39.5 59.3



Abundance Ion 94.00 (93.70 to 94.70): BNC
Ion 65.00 (64.70 to 65.70): BNC
Ion 66.00 (65.70 to 66.70): BNC





#14

Acetophenone

Concen: 3.553 ng/ul

RT: 8.26 min Scan# 896

Delta R.T. 0.00 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

Instrument :

BNA_N

ClientSampleId :

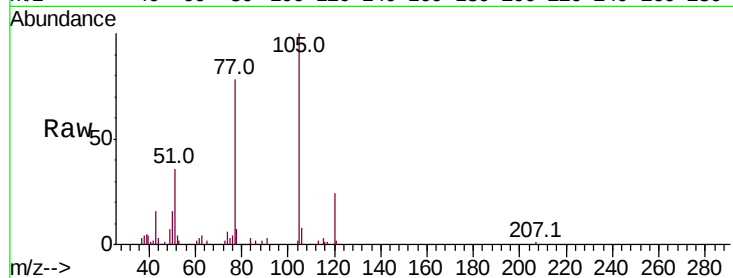
Tot Ion:105 Resp: 56123

Ion Ratio Lower Upper

105 100

77 77.9 67.7 101.5

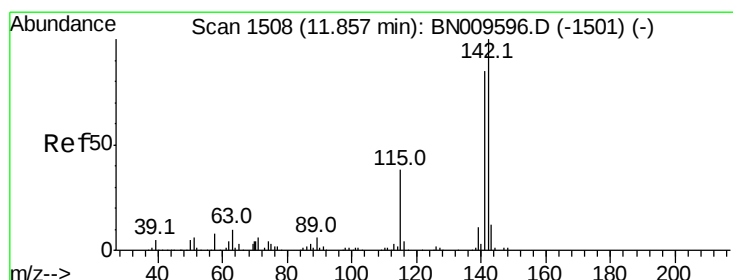
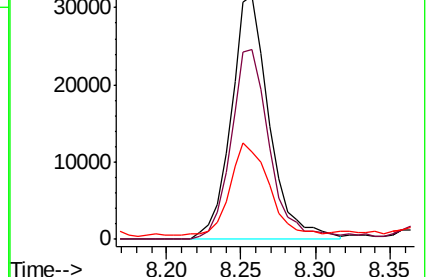
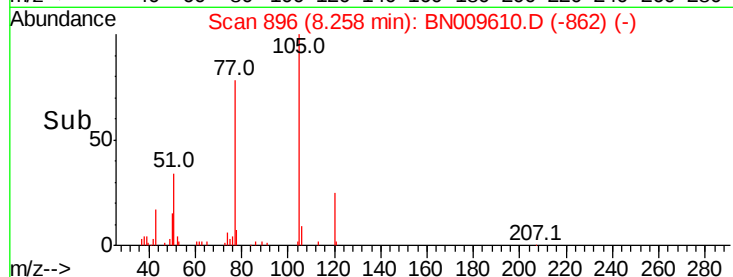
51 35.9 34.3 51.5



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



#34

2-Methylnaphthalene

Concen: 29.941 ng/ul

RT: 11.86 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BN009610.D

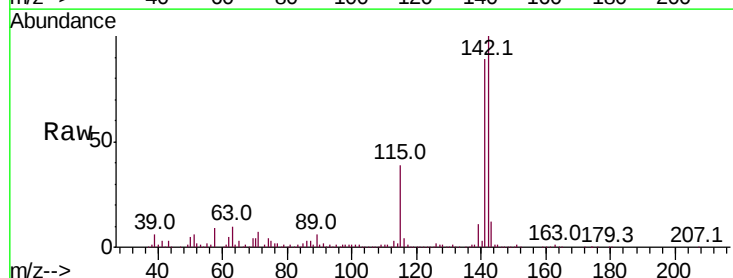
Acq: 06 Feb 2020 15:08

Tgt Ion:142 Resp: 645192

Ion Ratio Lower Upper

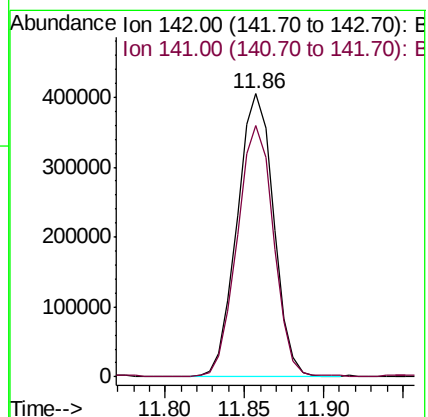
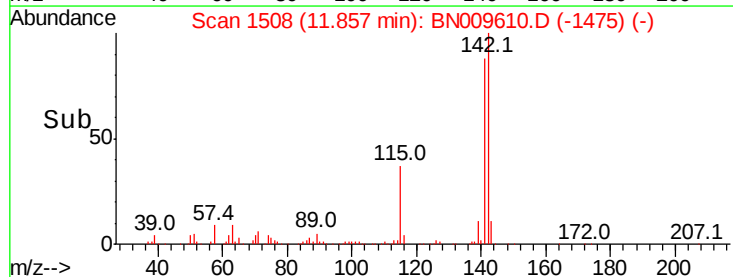
142 100

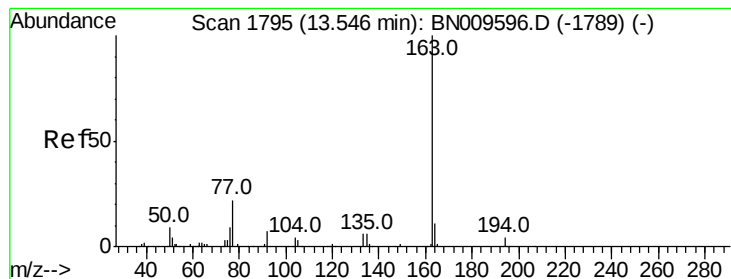
141 89.0 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 2.251 ng/ul

RT: 13.55 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

Instrument :

BNA_N

ClientSampleId :

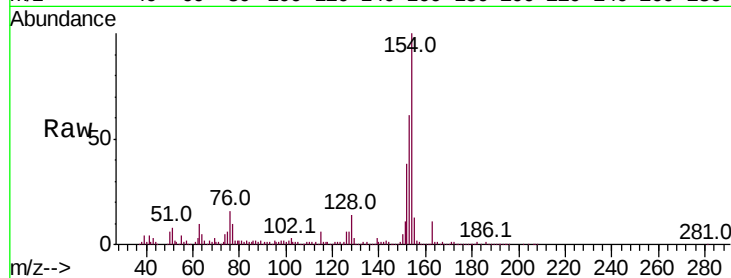
Tot Ion:163 Resp: 58511

Ion Ratio Lower Upper

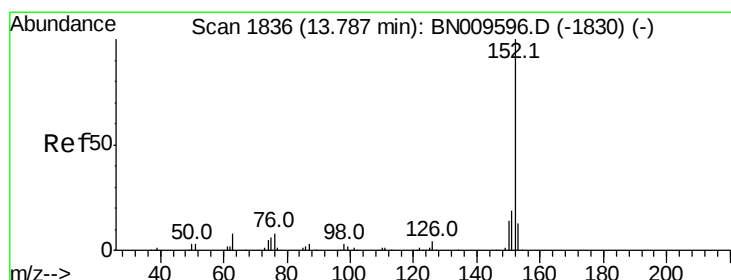
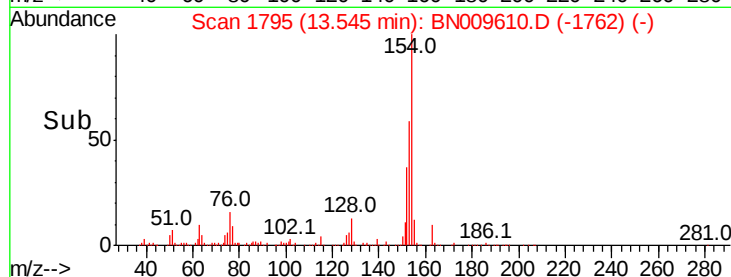
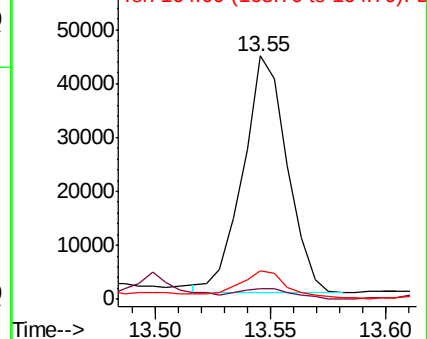
163 100

194 4.5 3.5 5.3

164 11.5 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 180.090 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

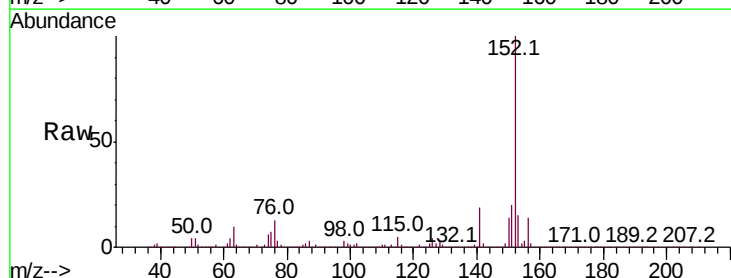
Tgt Ion:152 Resp: 5833014

Ion Ratio Lower Upper

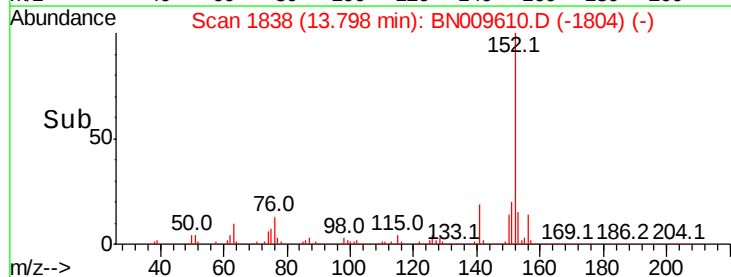
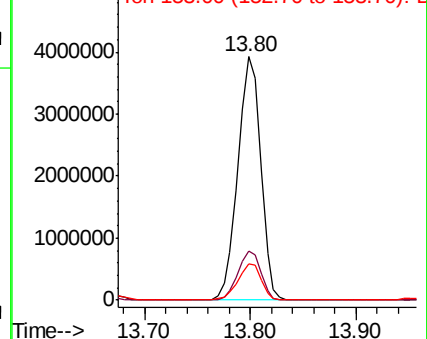
152 100

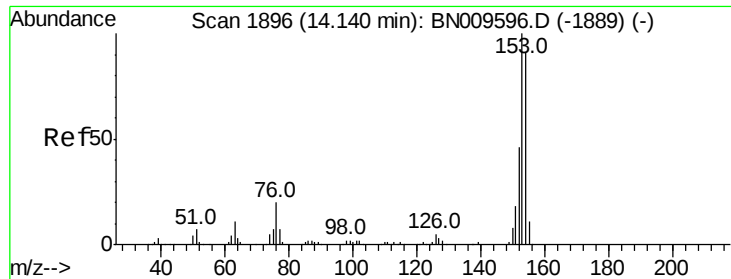
151 20.3 16.2 24.2

153 14.9 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: 43.882 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

Instrument :

BNA_N

ClientSampleId :

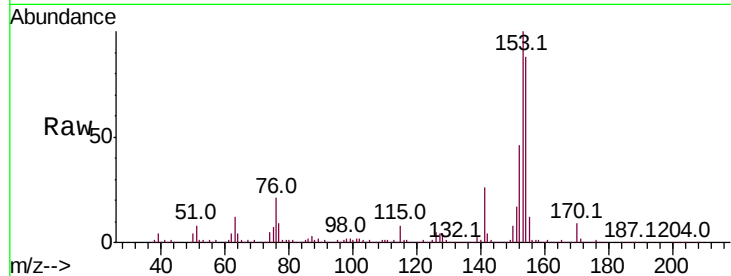
Tot Ion:153 Resp: 966222

Ion Ratio Lower Upper

153 100

152 46.4 37.3 55.9

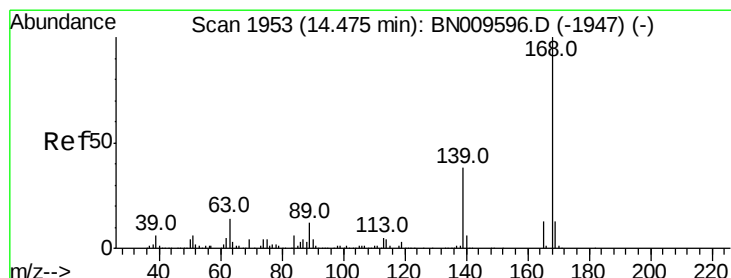
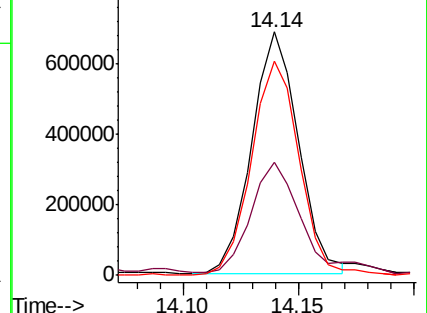
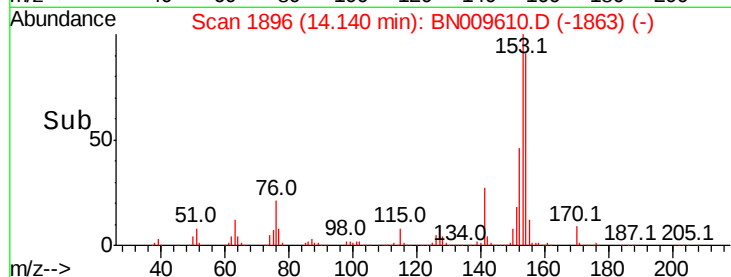
154 88.2 70.2 105.2



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: 24.334 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BN009610.D

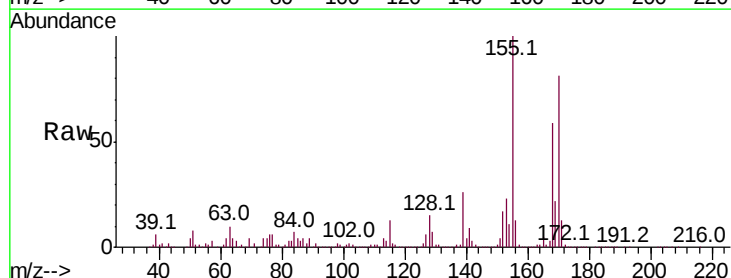
Acq: 06 Feb 2020 15:08

Tgt Ion:168 Resp: 746117

Ion Ratio Lower Upper

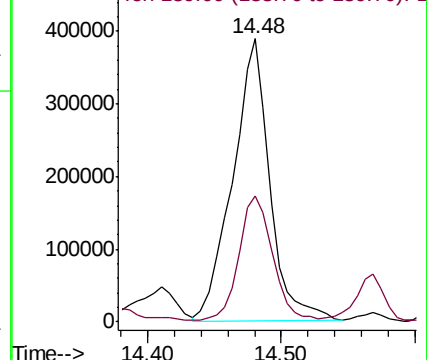
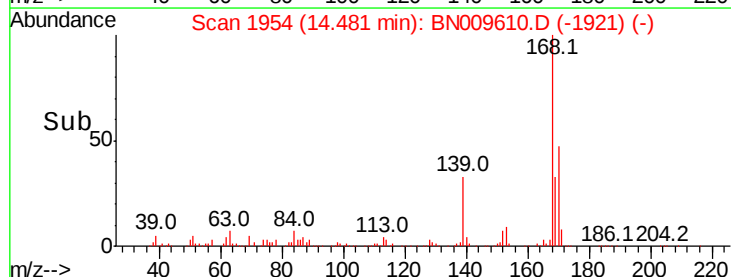
168 100

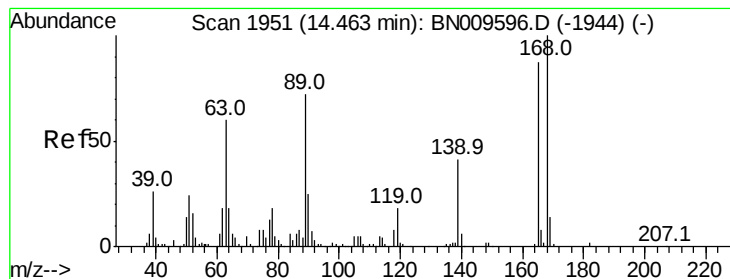
139 44.7 29.5 44.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 7.925 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

Instrument :

BNA_N

ClientSampled :

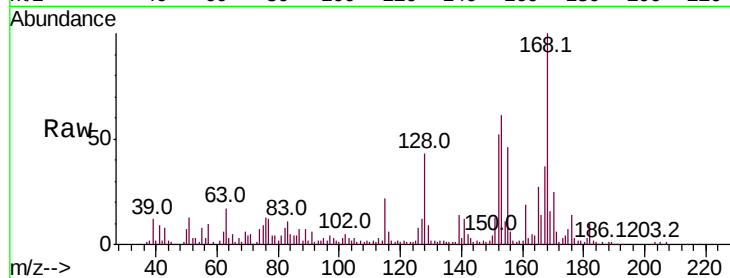
Tot Ion:165 Resp: 58995

Ion Ratio Lower Upper

165 100

63 62.2 55.0 82.4

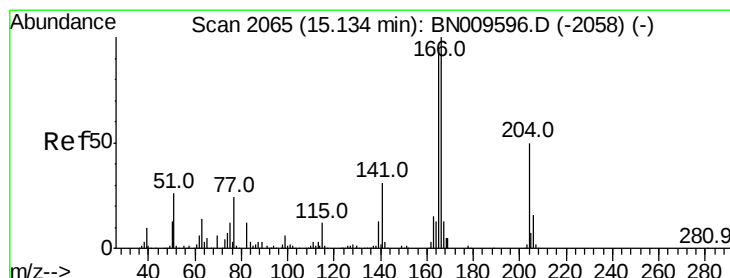
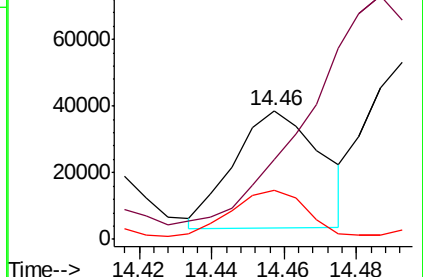
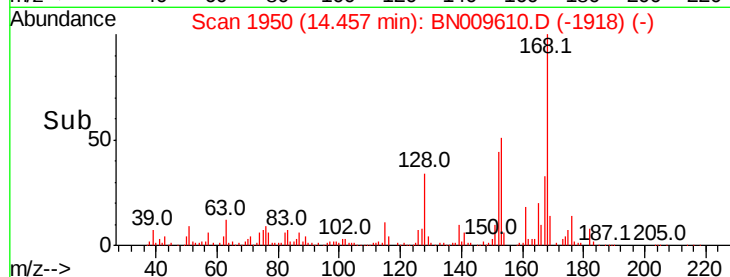
182 37.8 2.4 3.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 219.323 ng/ul

RT: 15.15 min Scan# 2067

Delta R.T. 0.01 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

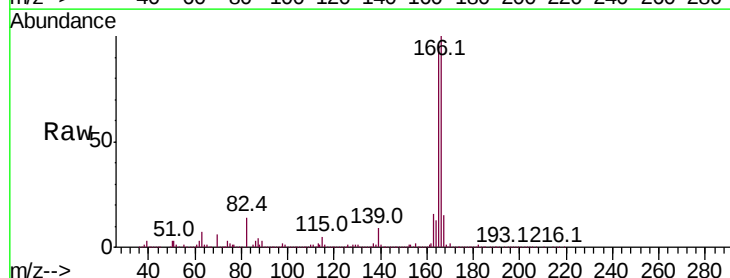
Tgt Ion:166 Resp: 5620118

Ion Ratio Lower Upper

166 100

165 96.5 76.7 115.1

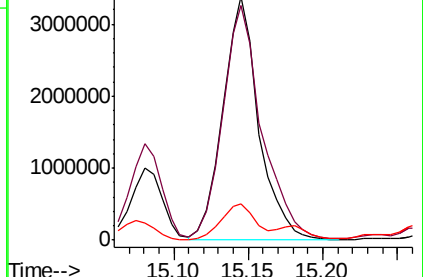
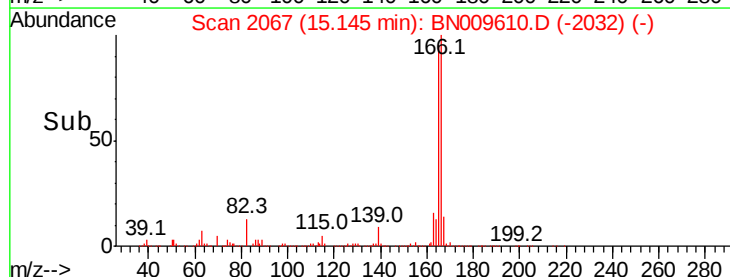
167 14.7 11.1 16.7

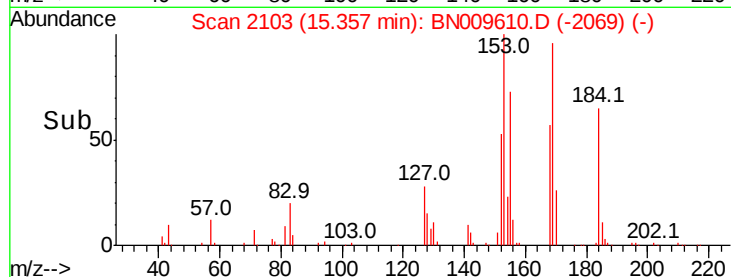
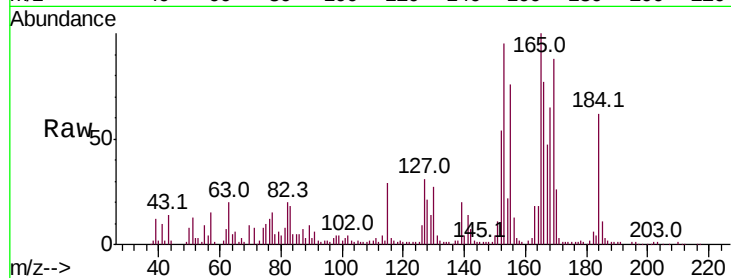
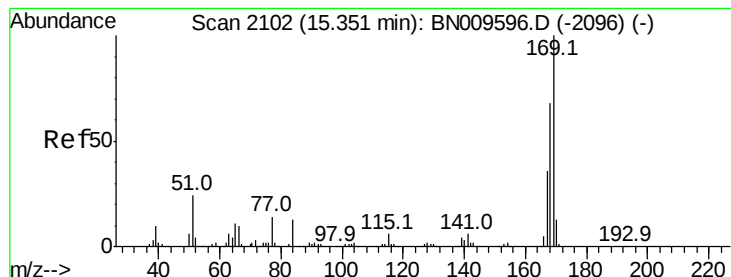


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 7.360 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

Instrument :

BNA_N

ClientSampleId :

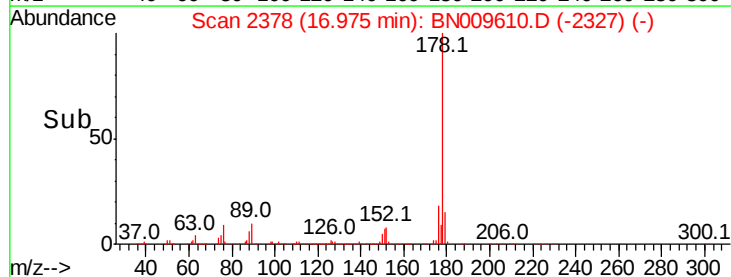
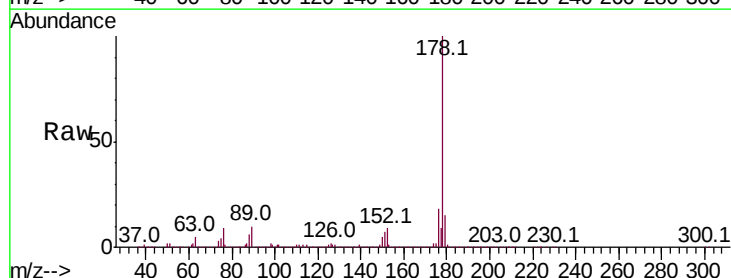
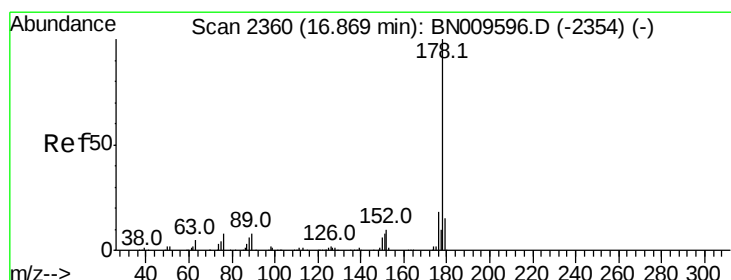
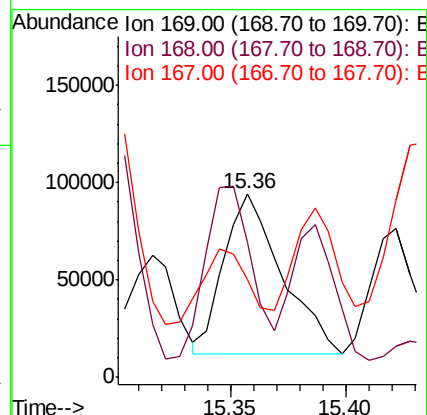
Tot Ion:169 Resp: 142083

Ion Ratio Lower Upper

169 100

168 73.7 53.8 80.8

167 53.2 27.5 41.3#



#69

Phenanthrene

Concen: 137.233 ng/ul

RT: 16.97 min Scan# 2378

Delta R.T. 0.10 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

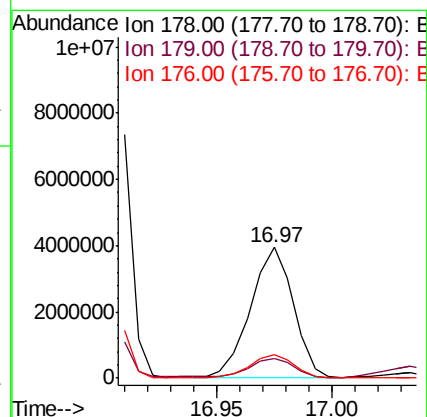
Tgt Ion:178 Resp: 5055442

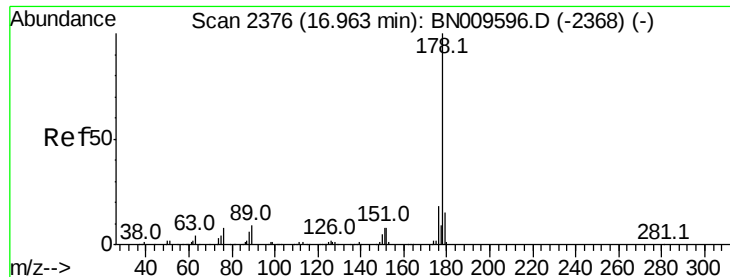
Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

176 17.8 14.8 22.2

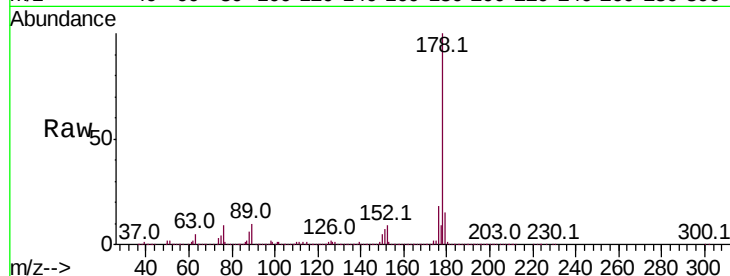




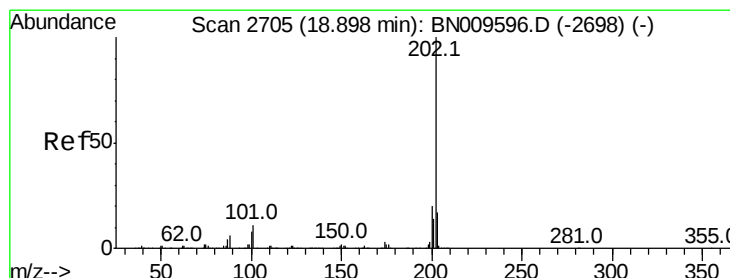
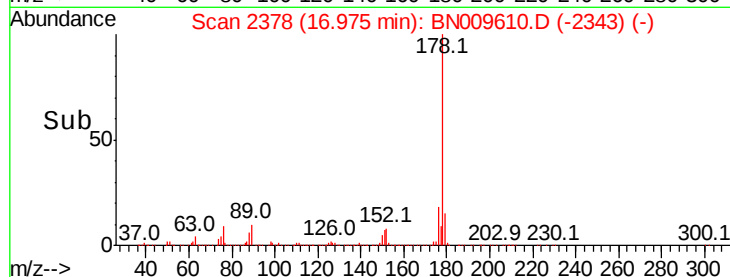
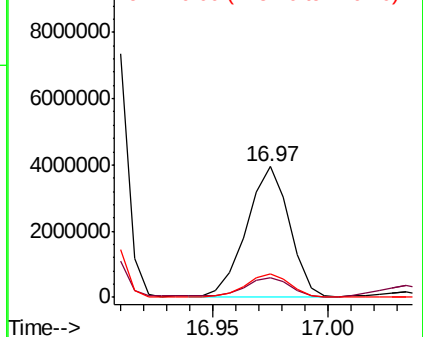
#71
 Anthracene
 Concen: 135.251 ng/ul
 RT: 16.97 min Scan# 2378
 Delta R.T. 0.01 min
 Lab File: BN009610.D
 Acq: 06 Feb 2020 15:08

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:178 Resp: 5055442
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.1 18.1
 176 17.8 14.6 21.8

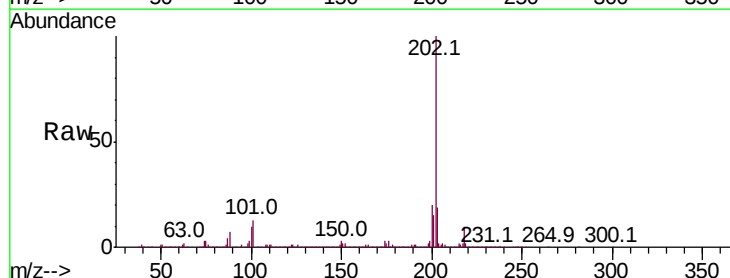


Abundance Ion 178.00 (177.70 to 178.70): E
 1e+07 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

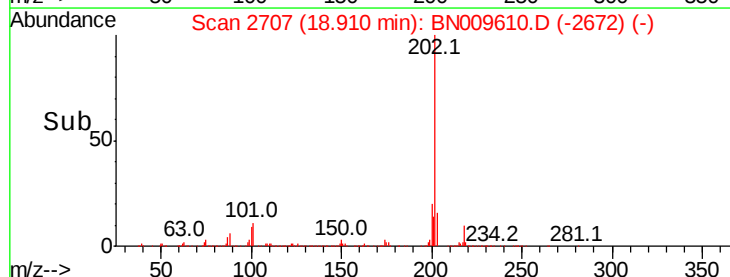
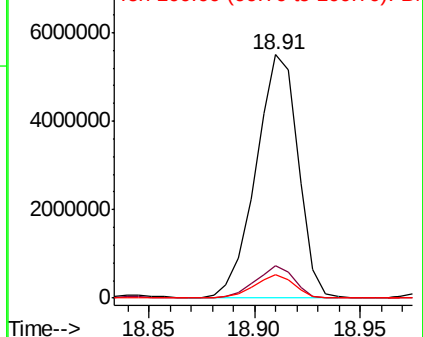


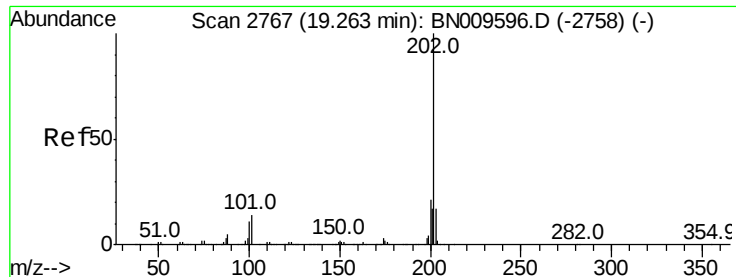
#76
 Fluoranthene
 Concen: 181.403 ng/ul
 RT: 18.91 min Scan# 2707
 Delta R.T. 0.01 min
 Lab File: BN009610.D
 Acq: 06 Feb 2020 15:08

Tgt Ion:202 Resp: 7626981
 Ion Ratio Lower Upper
 202 100
 101 13.3 9.2 13.8
 100 9.9 6.9 10.3



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

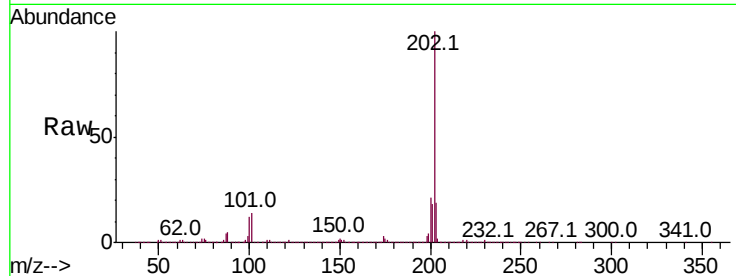




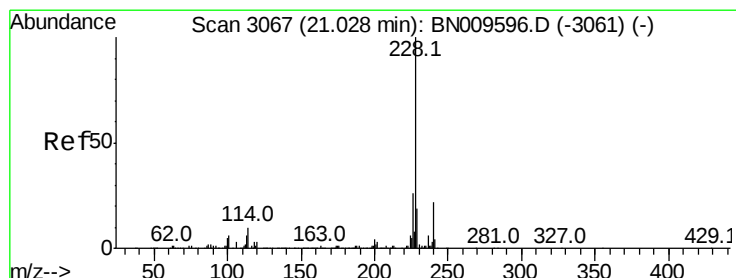
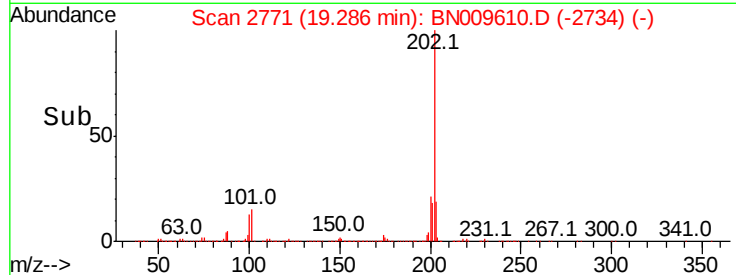
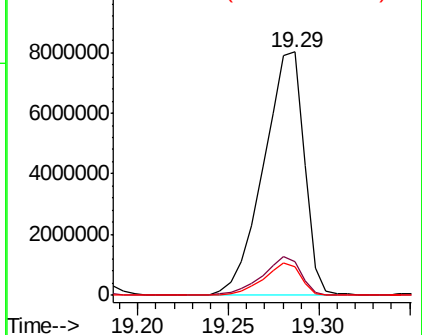
#79
Pvrene
Concen: 289.703 ng/ul
RT: 19.29 min Scan# 2771
Delta R.T. 0.02 min
Lab File: BN009610.D
Acq: 06 Feb 2020 15:08

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp:12456632
Ion Ratio Lower Upper
202 100
101 13.9 10.3 15.5
100 11.5 8.4 12.6

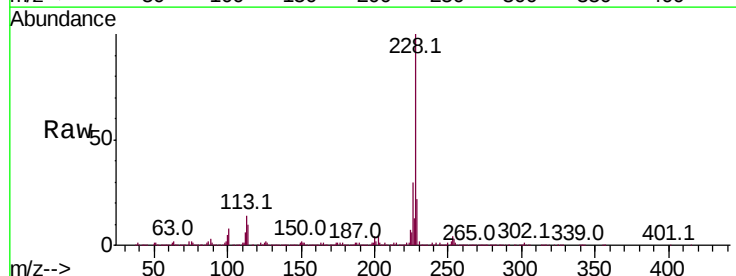


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

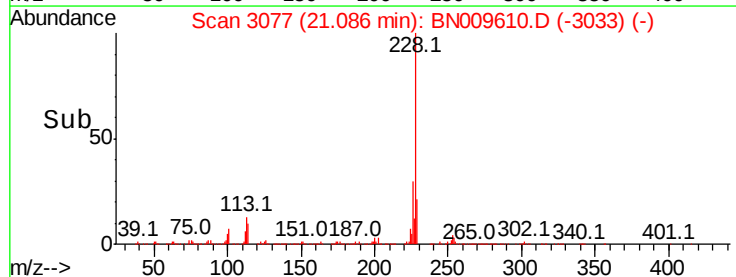
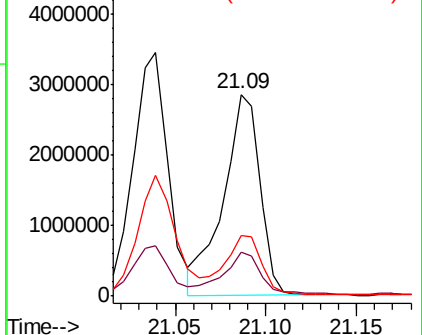


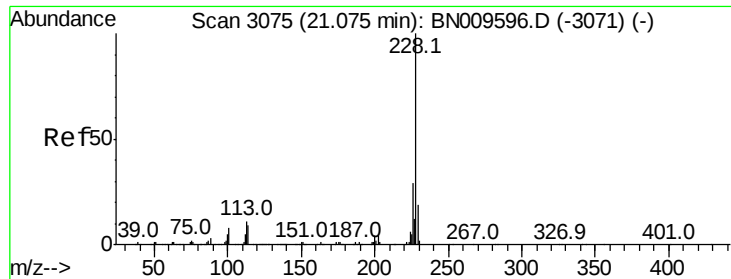
#82
Benzo(a)anthracene
Concen: 98.492 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. 0.06 min
Lab File: BN009610.D
Acq: 06 Feb 2020 15:08

Tgt Ion:228 Resp: 4005492
Ion Ratio Lower Upper
228 100
229 21.5 15.0 22.4
226 30.2 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: 98.959 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. 0.01 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

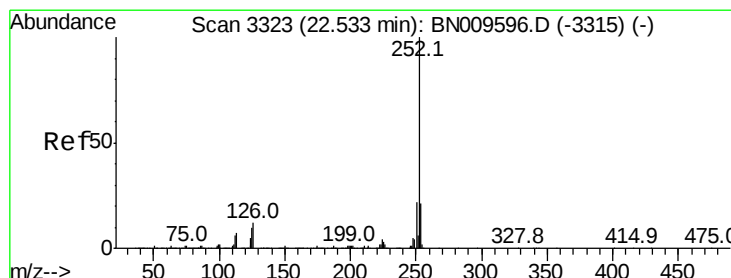
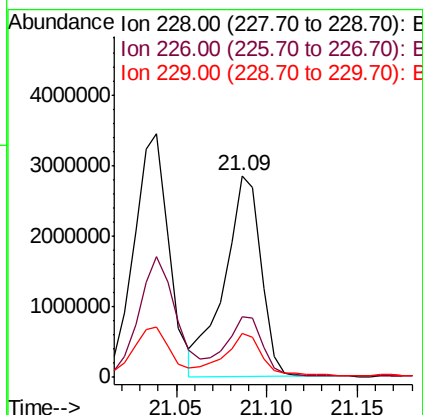
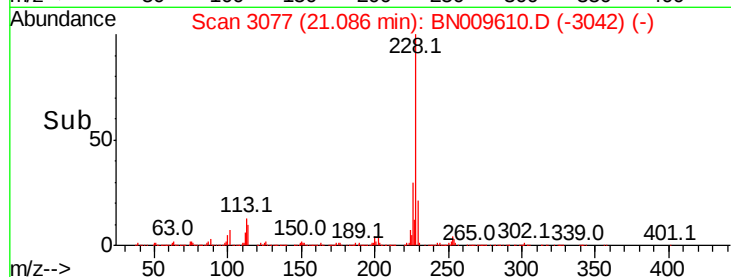
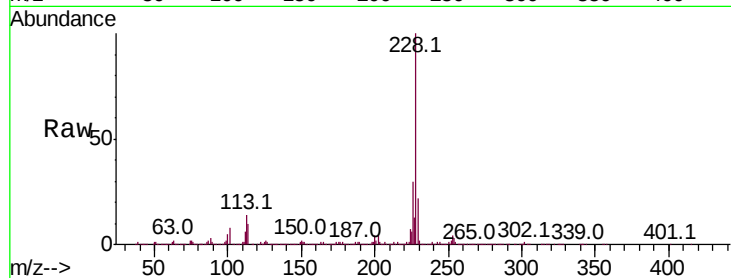
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 4006485

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.5	35.3
229	21.5	15.8	23.8



#87

Benzo(b)fluoranthene

Concen: 61.644 ng/ul

RT: 22.55 min Scan# 3326

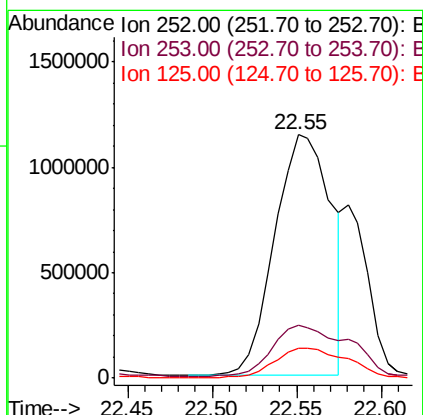
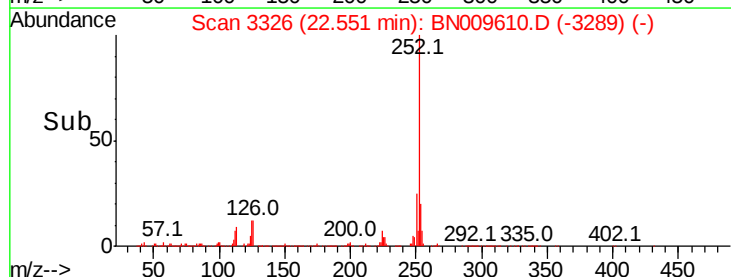
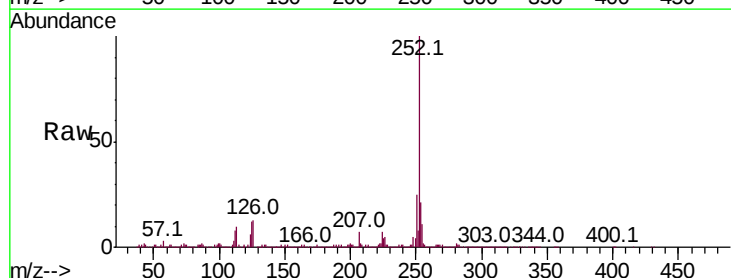
Delta R.T. 0.02 min

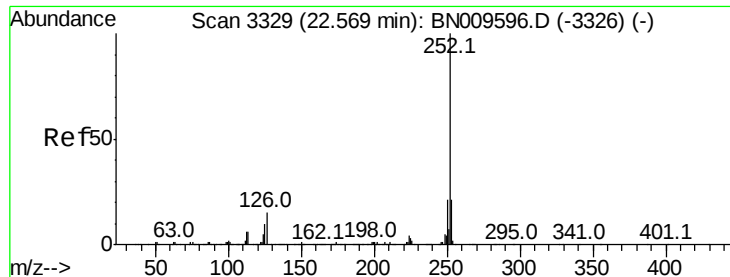
Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

Tgt Ion:252 Resp: 2659301

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	12.2	8.2	12.2





#88

Benzo(k)fluoranthene

Concen: 62.594 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. -0.02 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

Instrument :

BNA_N

ClientSampleId :

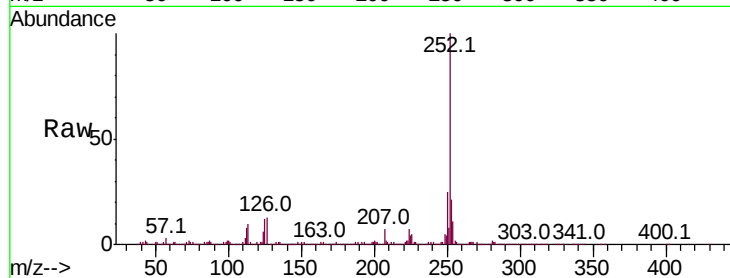
Tot Ion:252 Resp: 2659301

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.4

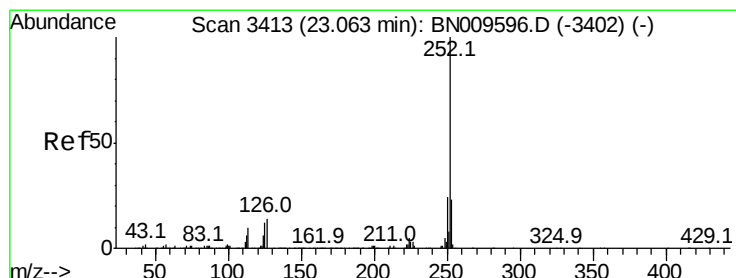
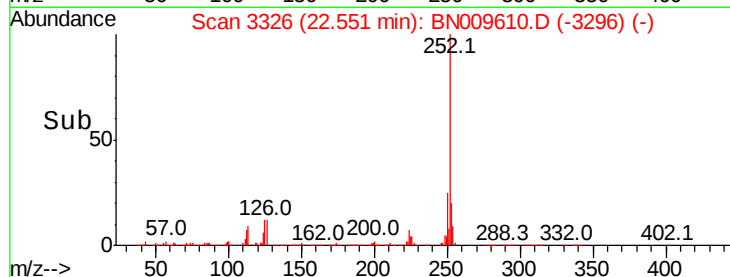
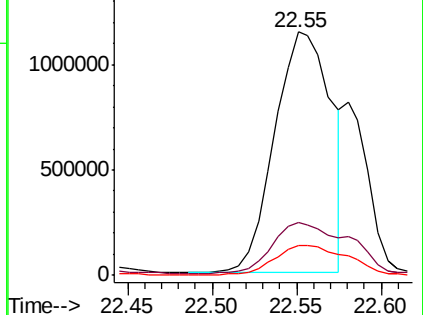
125 12.2 8.0 12.0#



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: 69.732 ng/ul

RT: 23.08 min Scan# 3416

Delta R.T. 0.01 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

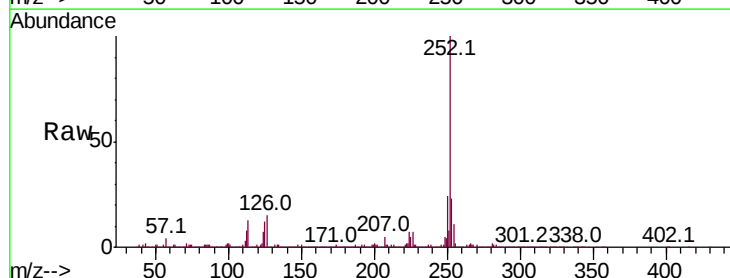
Tgt Ion:252 Resp: 2787139

Ion Ratio Lower Upper

252 100

253 22.9 15.8 23.8

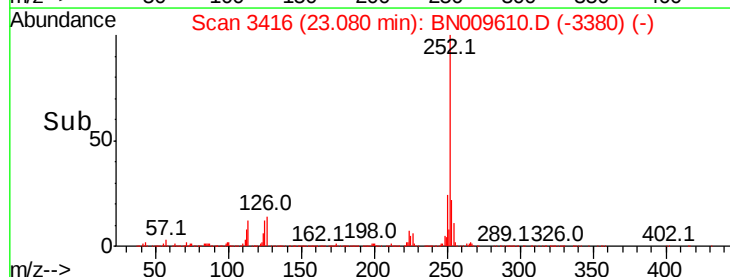
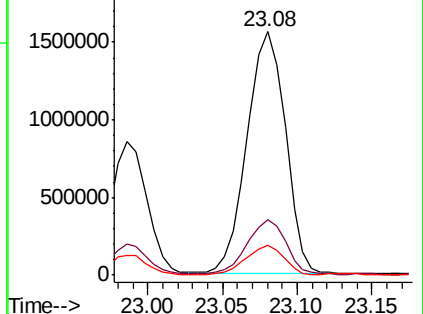
125 12.1 8.7 13.1

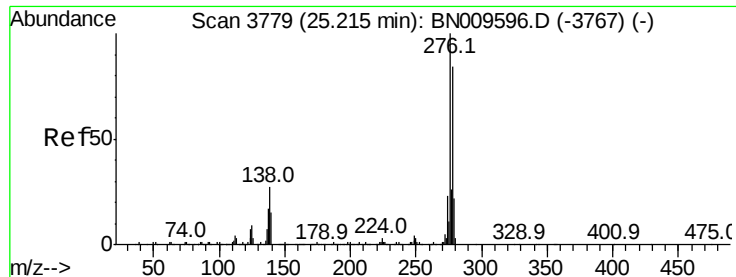


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



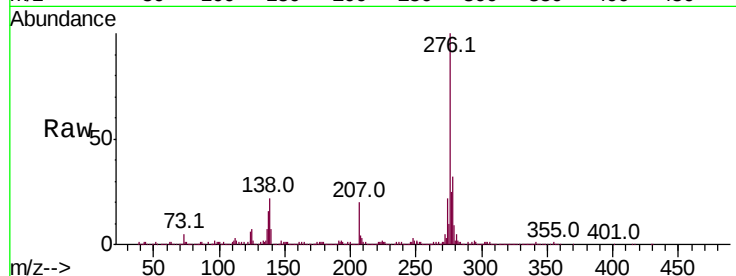


#91

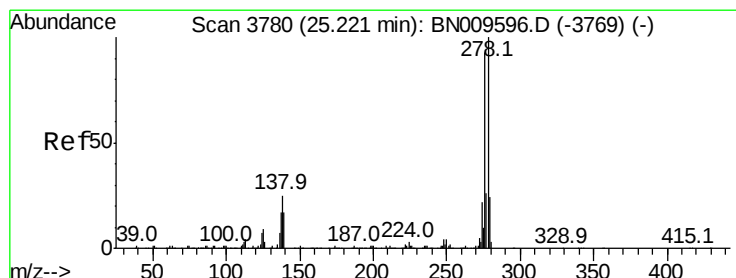
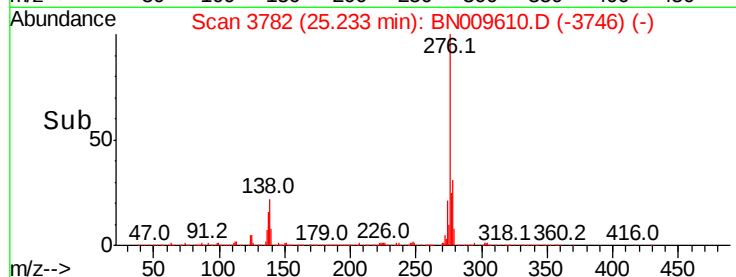
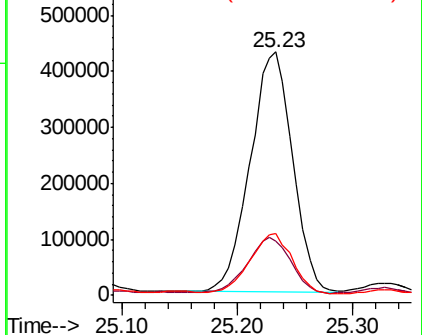
Indeno(1,2,3-cd)pyrene
Concen: 23.082 ng/ul
RT: 25.23 min Scan# 3782
Delta R.T. 0.01 min
Lab File: BN009610.D
Acq: 06 Feb 2020 15:08

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 1096869
Ion Ratio Lower Upper
276 100
138 22.2 20.3 30.5
277 25.2 21.2 31.8



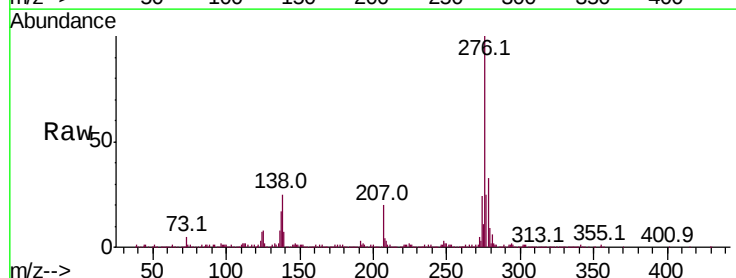
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



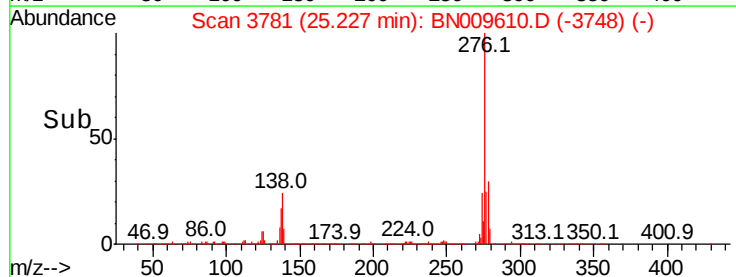
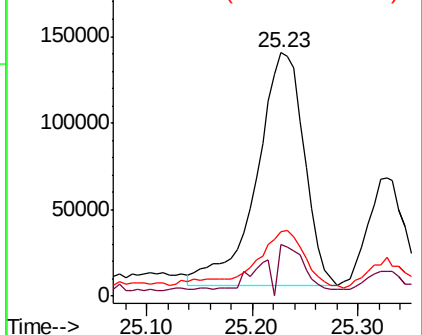
#92

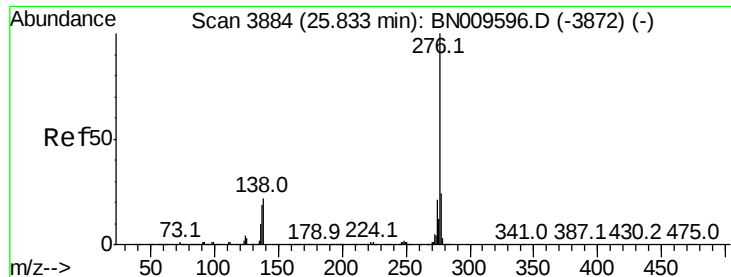
Dibenzo(a,h)anthracene
Concen: 10.398 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.01 min
Lab File: BN009610.D
Acq: 06 Feb 2020 15:08

Tgt Ion:278 Resp: 415906
Ion Ratio Lower Upper
278 100
139 21.4 12.7 19.1#
279 26.4 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(a,h,i)perylene

Concen: 25.144 ng/ul

RT: 25.86 min Scan# 3889

Delta R.T. 0.01 min

Lab File: BN009610.D

Acq: 06 Feb 2020 15:08

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 1001399

Ion Ratio Lower Upper

276 100

138 21.1 16.0 24.0

277 22.4 17.0 25.6

