

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009521.D
 Acq On : 31 Jan 2020 21:12
 Operator : CG/JU
 Sample : L1271-17 5X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 31 22:20:43 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	178284	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.20	136	746785	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.09	164	454312	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.85	188	904259	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	793561	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	879950	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2403	0.56	ng/uL	0.01
5) Phenol-d5	6.65	99	52269	3.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	36686	3.27	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	40770	3.53	ng/ul	-0.01
13) 4-Methylphenol-d8	8.17	113	42055	3.34	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	20708	3.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	22427	3.94	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.84	165	40874	3.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	9703	0.71	ng/ul	0.00
43) Dimethylphthalate-d6	13.51	166	134968	4.01	ng/ul	-0.01
46) Acenaphthylene-d8	13.78	160	157385	3.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	22047	3.52	ng/ul	0.00
57) Fluorene-d10	15.09	176	120340	4.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	16749	3.06	ng/ul	0.00
70) Anthracene-d10	16.95	188	172150	4.12	ng/ul	0.00
78) Pyrene-d10	19.25	212	180738	4.23	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	171352	3.86	ng/ul	-0.01

Target Compounds

					Ovalue
28) Naphthalene	10.25	128	183202	4.559	ng/ul 96
34) 2-Methylnaphthalene	11.87	142	1328065	48.003	ng/ul 99
40) 1,1'-Biphenyl	12.91	154	110343	3.208	ng/ul 98
44) Dimethylphthalate	13.56	163	38358	1.108	ng/ul# 95
47) Acenaphthylene	13.81	152	2684078	62.321	ng/ul 98
49) Acenaphthene	14.15	153	396211	13.485	ng/ul 95
53) Dibenzofuran	14.49	168	514200	12.596	ng/ul 96
54) 2,4-Dinitrotoluene	14.46	165	34151	3.476	ng/ul# 44
58) Fluorene	15.15	166	2292345	67.013	ng/ul 99
60) 4-Nitroaniline	15.15	138	26516	3.819	ng/ul# 14
64) N-Nitrosodiphenylamine	15.37	169	56778	2.121	ng/ul# 86
69) Phenanthrene	16.90	178	12439608	243.806	ng/ul 100
71) Anthracene	16.97	178	1002196	19.292	ng/ul 98
76) Fluoranthene	18.91	202	2695530	46.086	ng/ul 99
79) Pyrene	19.28	202	4445223	77.363	ng/ul 99
82) Benzo(a)anthracene	21.09	228	1378253	25.504	ng/ul 95
84) Chrysene	21.09	228	1380409	26.222	ng/ul 98
87) Benzo(b)fluoranthene	22.55	252	743464	13.362	ng/ul# 98
88) Benzo(k)fluoranthene	22.55	252	743464	13.590	ng/ul# 98
90) Benzo(a)pyrene	23.07	252	491818	9.848	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.23	276	277558	4.586	ng/ul 94
92) Dibenzo(a,h)anthracene	25.23	278	109820	2.151	ng/ul# 93
93) Benzo(g,h,i)perylene	25.86	276	209440	4.160	ng/ul 95

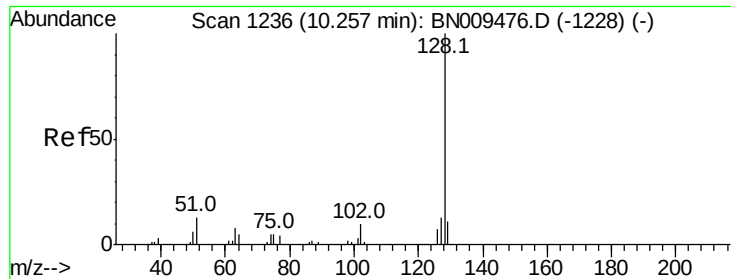
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN013020\
Data File : BN009521.D
Acq On : 31 Jan 2020 21:12
Operator : CG/JU
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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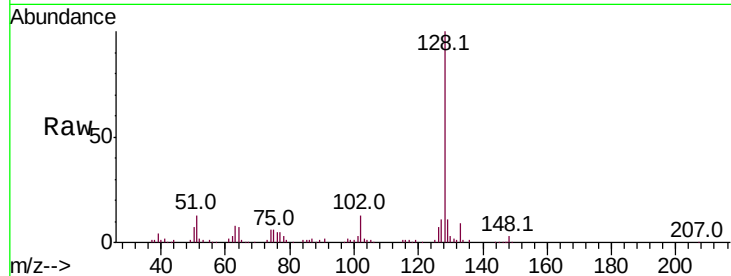
(#) = qualifier out of range (m) = manual integration (+) = signals summed



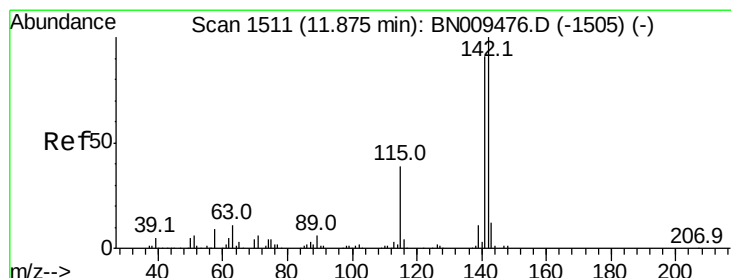
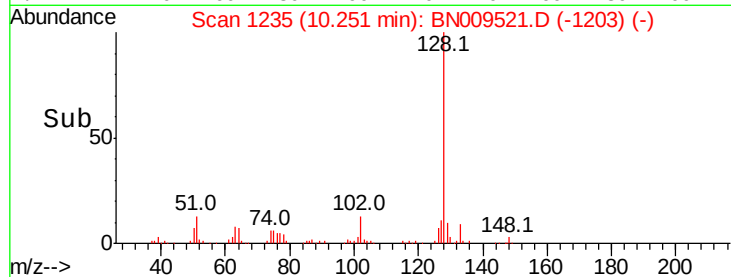
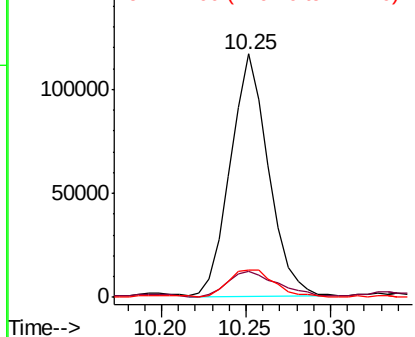
#28
Naphthalene
Concen: 4.559 ng/ul
RT: 10.25 min Scan# 1235
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Instrument :
BNA_N
ClientSampleId :

Tot Ion:128 Resp: 183202
Ion Ratio Lower Upper
128 100
129 10.8 8.1 12.1
127 11.5 11.0 16.6

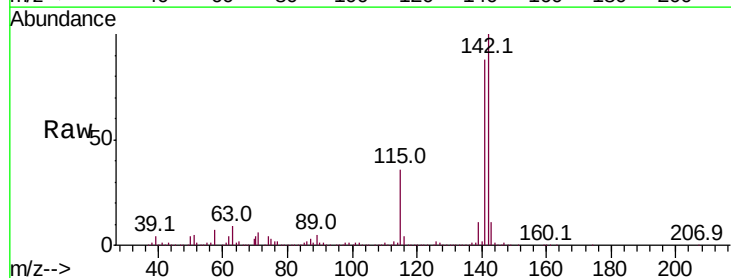


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

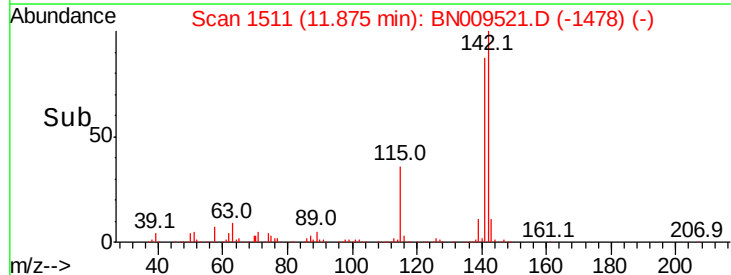
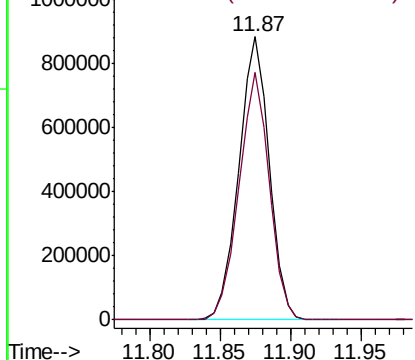


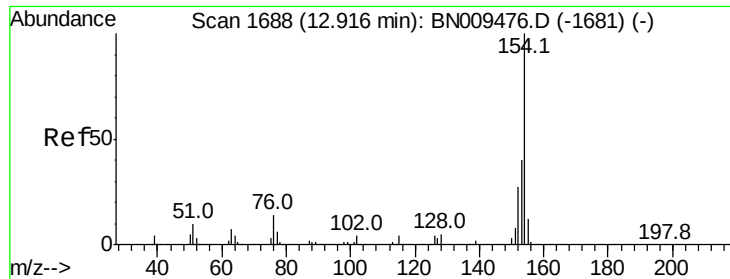
#34
2-Methylnaphthalene
Concen: 48.003 ng/ul
RT: 11.87 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:142 Resp: 1328065
Ion Ratio Lower Upper
142 100
141 87.5 69.3 103.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

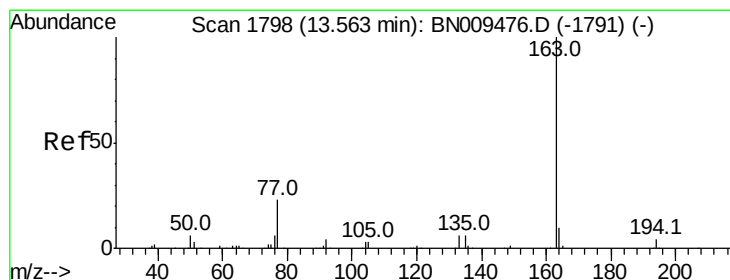
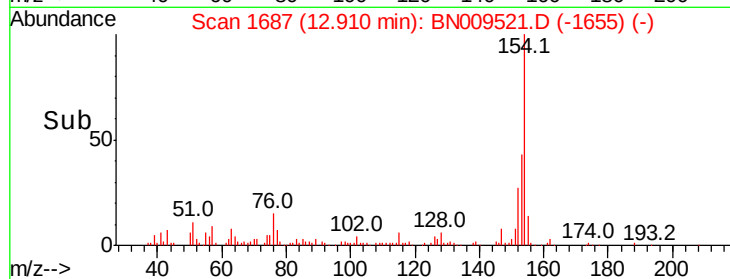
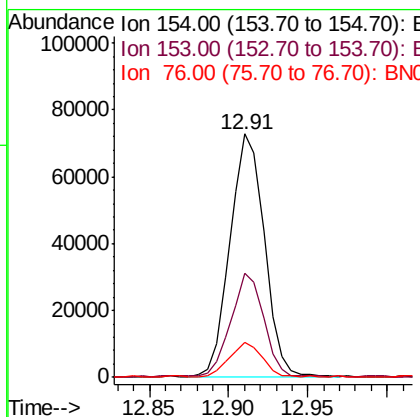
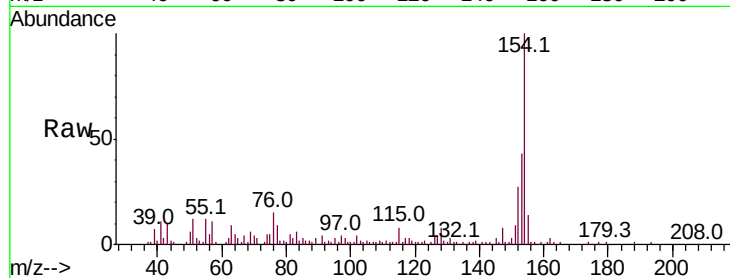




#40
1,1'-Biphenyl
Concen: 3.208 ng/ul
RT: 12.91 min Scan# 1687
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

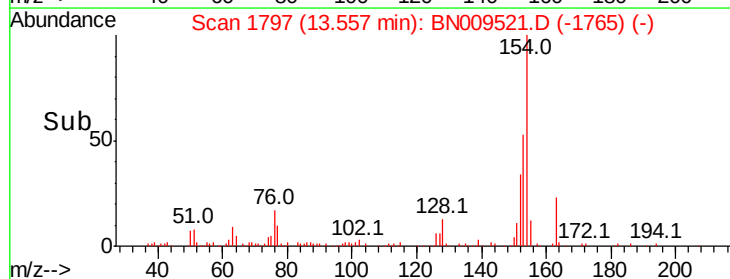
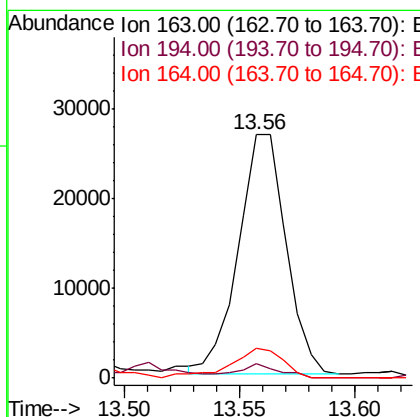
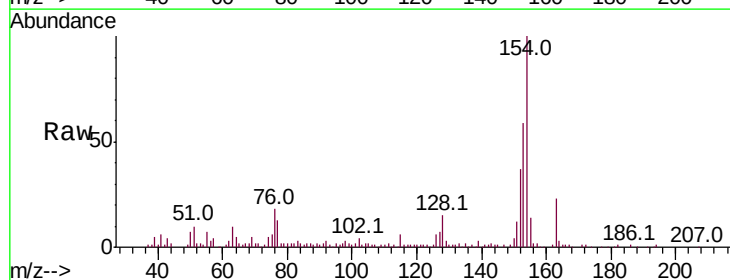
Instrument :
BNA_N
ClientSampled :

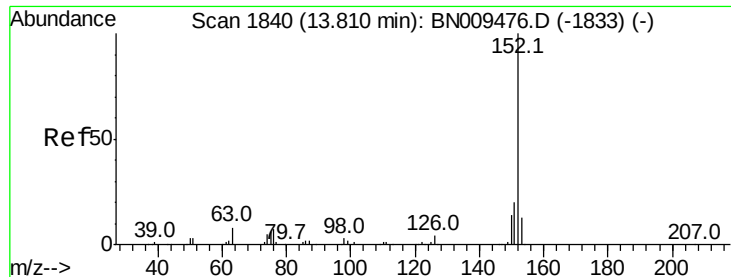
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.7	32.6	49.0
76	14.5	11.4	17.0



#44
Dimethylphthalate
Concen: 1.108 ng/ul
RT: 13.56 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.1	4.7#
164	12.1	8.3	12.5





#47

Acenaphthylene

Concen: 62.321 ng/ul

RT: 13.81 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BN009521.D

Acq: 31 Jan 2020 21:12

Instrument :

BNA_N

ClientSampled :

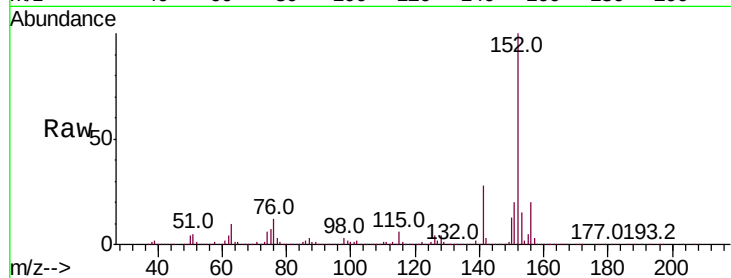
Tot Ion:152 Resp: 2684078

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

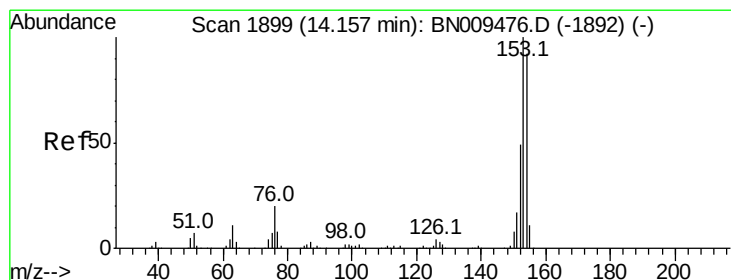
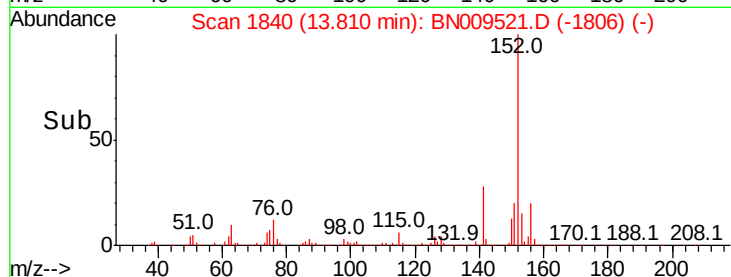
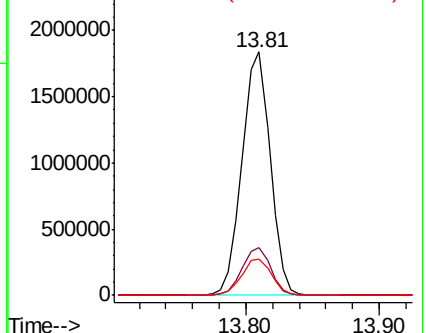
153 14.9 10.8 16.2



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: 13.485 ng/ul

RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BN009521.D

Acq: 31 Jan 2020 21:12

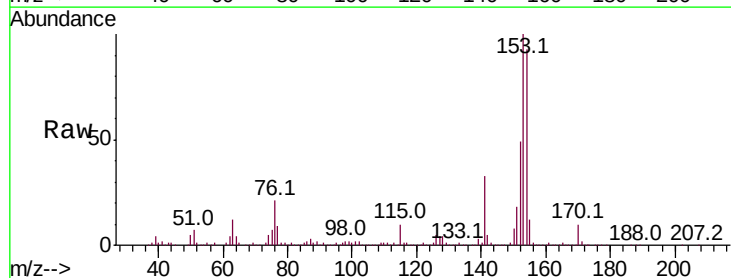
Tgt Ion:153 Resp: 396211

Ion Ratio Lower Upper

153 100

152 48.9 36.3 54.5

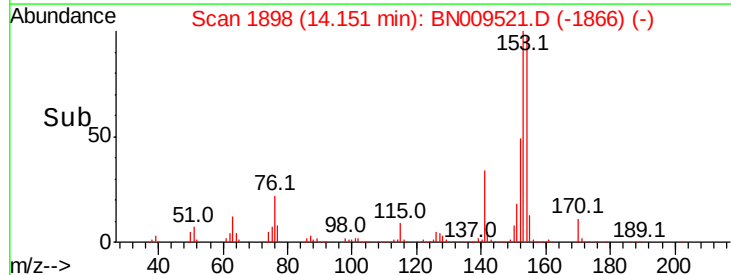
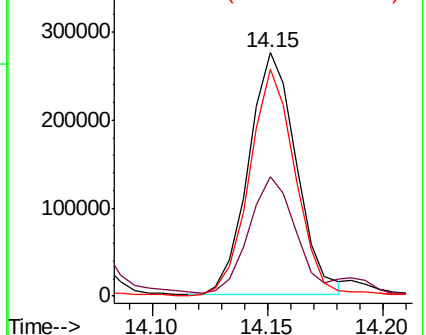
154 93.2 71.4 107.0

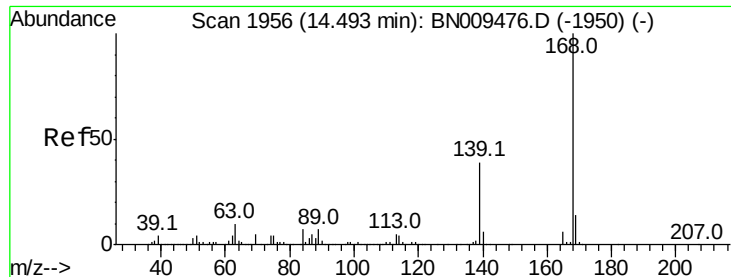


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 12.596 ng/ul

RT: 14.49 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BN009521.D

Acq: 31 Jan 2020 21:12

Instrument :

BNA_N

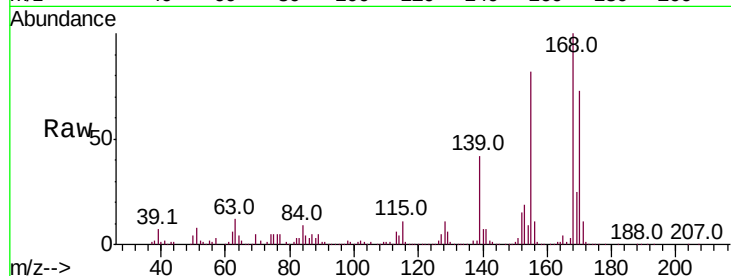
ClientSampled :

Tot Ion:168 Resp: 514200

Ion Ratio Lower Upper

168 100

139 42.0 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.49

400000

300000

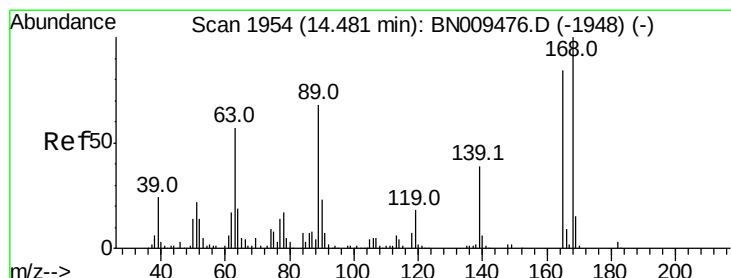
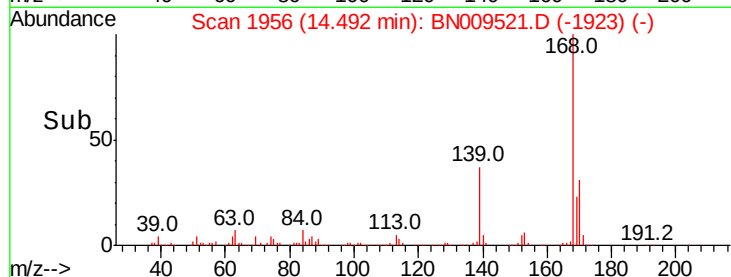
200000

100000

0

Time-->

14.45 14.50



#54

2,4-Dinitrotoluene

Concen: 3.476 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BN009521.D

Acq: 31 Jan 2020 21:12

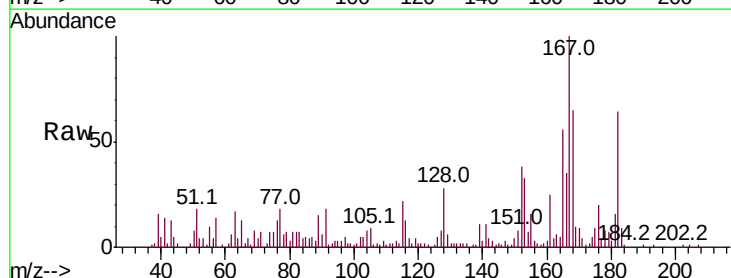
Tgt Ion:165 Resp: 34151

Ion Ratio Lower Upper

165 100

63 31.2 55.4 83.0#

182 113.9 2.0 3.0#



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

50000

40000

30000

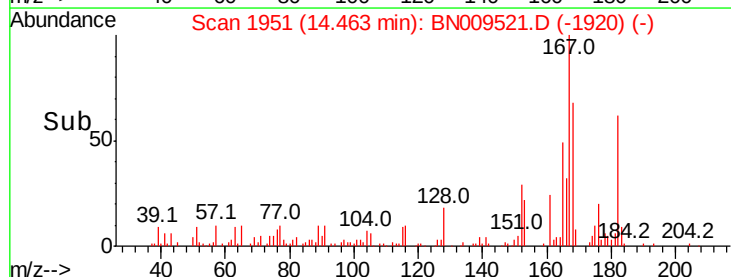
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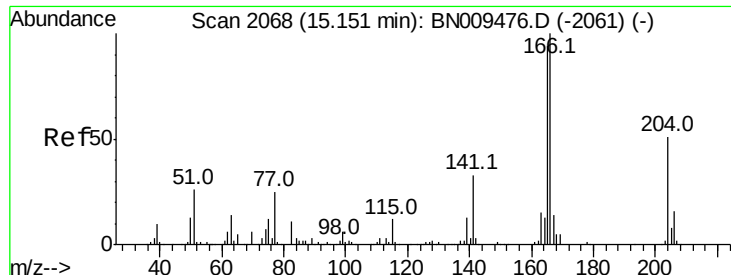
10000

0

Time-->

14.45 14.50

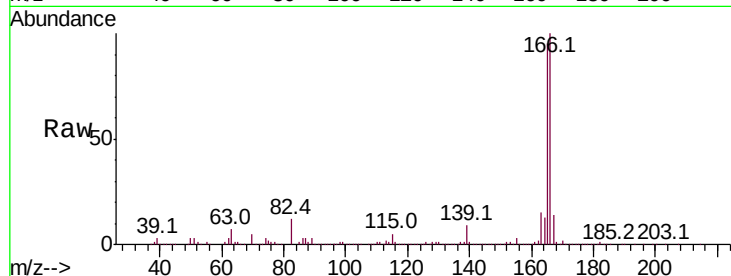




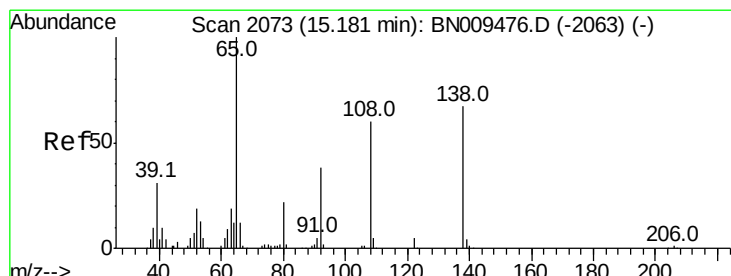
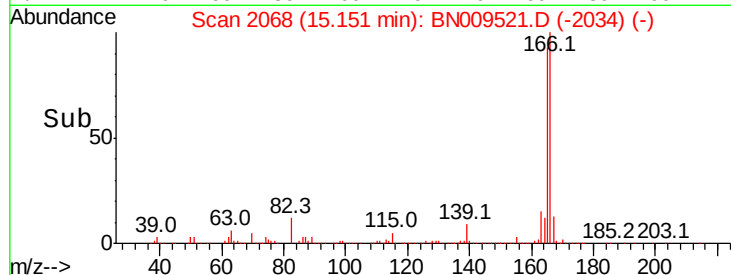
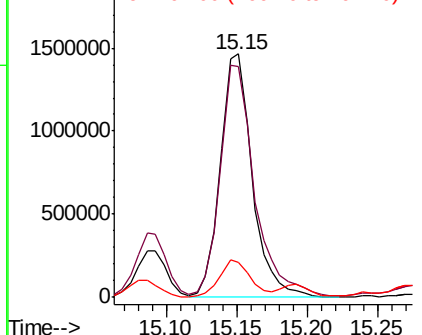
#58
 Fluorene
 Concen: 67.013 ng/ul
 RT: 15.15 min Scan# 2068
 Delta R.T. -0.00 min
 Lab File: BN009521.D
 Acq: 31 Jan 2020 21:12

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 2292345
 Ion Ratio Lower Upper
 166 100
 165 94.7 76.5 114.7
 167 14.2 10.9 16.3

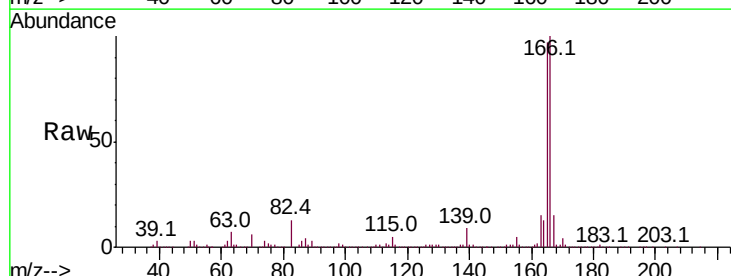


Abundance Ion 166.00 (165.70 to 166.70): E
 2000000
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

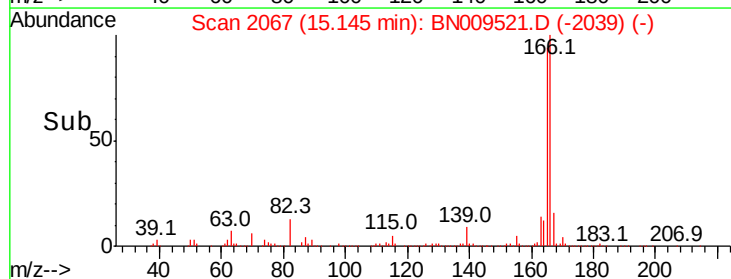
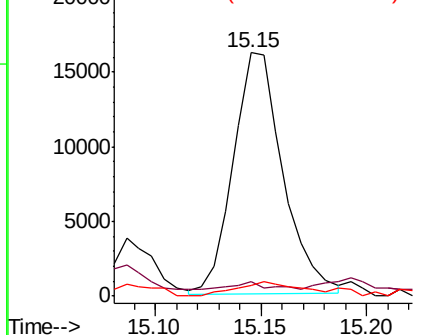


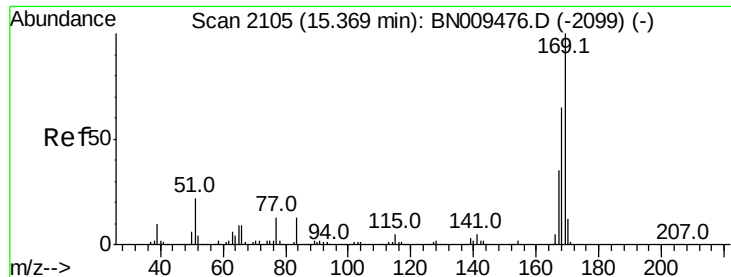
#60
 4-Nitroaniline
 Concen: 3.819 ng/ul
 RT: 15.15 min Scan# 2067
 Delta R.T. -0.04 min
 Lab File: BN009521.D
 Acq: 31 Jan 2020 21:12

Tgt Ion:138 Resp: 26516
 Ion Ratio Lower Upper
 138 100
 92 6.1 51.0 76.4#
 108 4.3 77.2 115.8#



Abundance Ion 138.00 (137.70 to 138.70): E
 20000
 Ion 92.00 (91.70 to 92.70): BNC
 Ion 108.00 (107.70 to 108.70): E



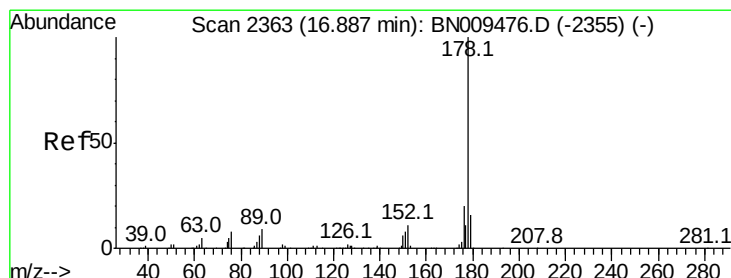
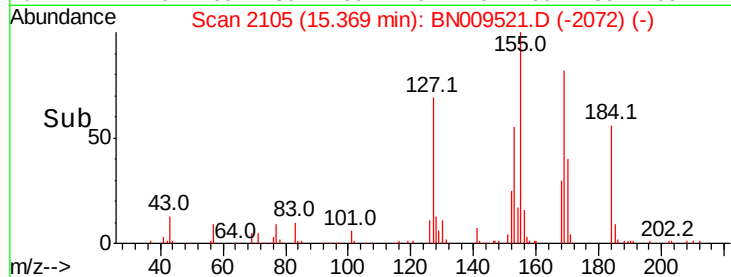
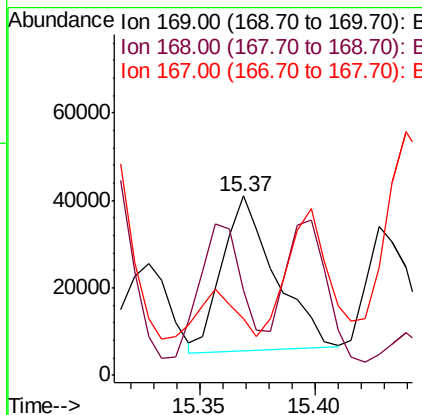
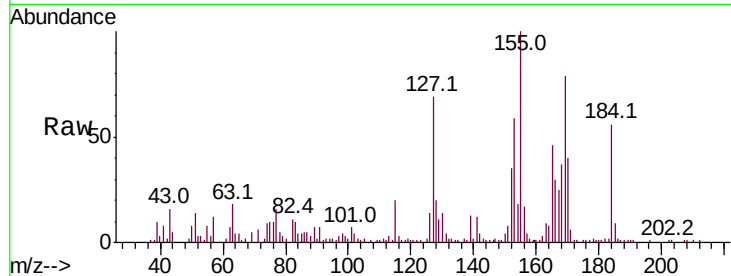


#64

N-Nitrosodiphenylamine
 Concen: 2.121 ng/ul
 RT: 15.37 min Scan# 2105
 Delta R.T. -0.01 min
 Lab File: BN009521.D
 Acq: 31 Jan 2020 21:12

Instrument :
 BNA_N
 ClientSampleId :

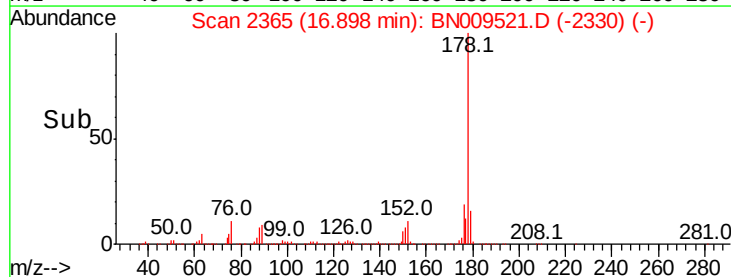
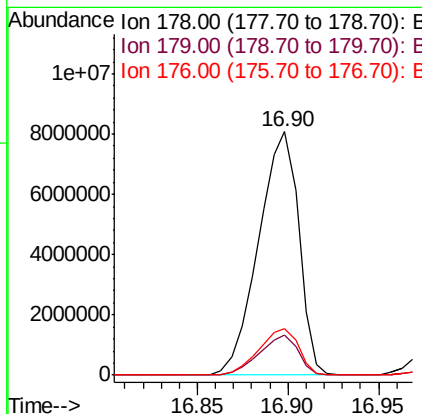
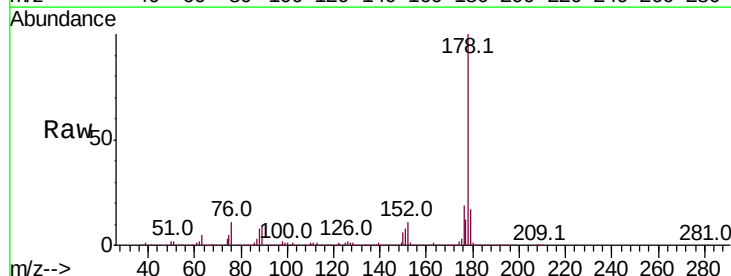
Tot Ion:169 Resp: 56778
 Ion Ratio Lower Upper
 169 100
 168 47.0 49.8 74.8#
 167 31.9 27.6 41.4

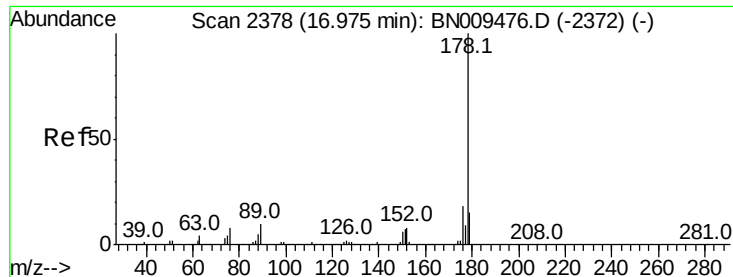


#69

Phenanthrene
 Concen: 243.806 ng/ul
 RT: 16.90 min Scan# 2365
 Delta R.T. 0.01 min
 Lab File: BN009521.D
 Acq: 31 Jan 2020 21:12

Tgt Ion:178 Resp:12439608
 Ion Ratio Lower Upper
 178 100
 179 16.5 13.3 19.9
 176 19.2 15.5 23.3





#71

Anthracene

Concen: 19.292 ng/ul

RT: 16.97 min Scan# 2378

Delta R.T. -0.01 min

Lab File: BN009521.D

Acq: 31 Jan 2020 21:12

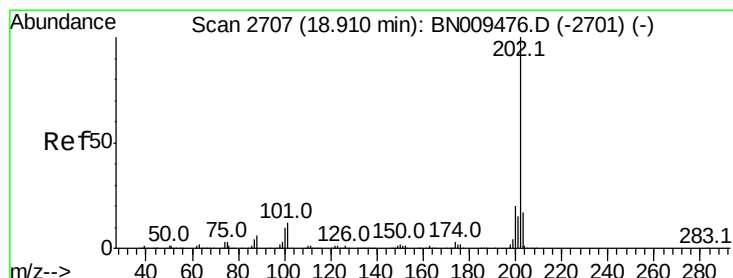
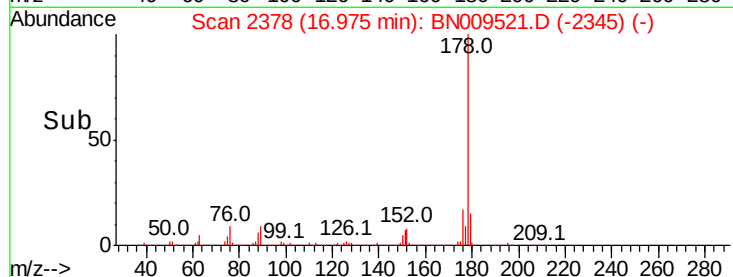
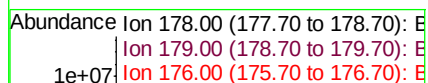
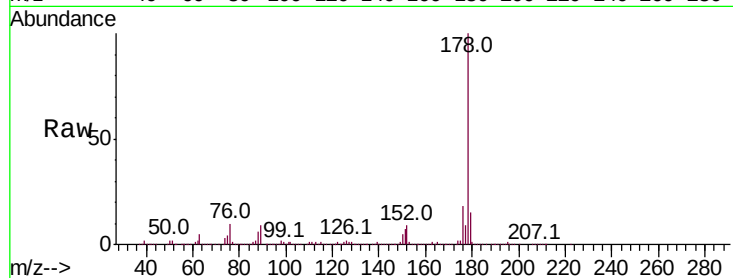
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 1002196

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.6
176	17.6	14.6	22.0



#76

Fluoranthene

Concen: 46.086 ng/ul

RT: 18.91 min Scan# 2707

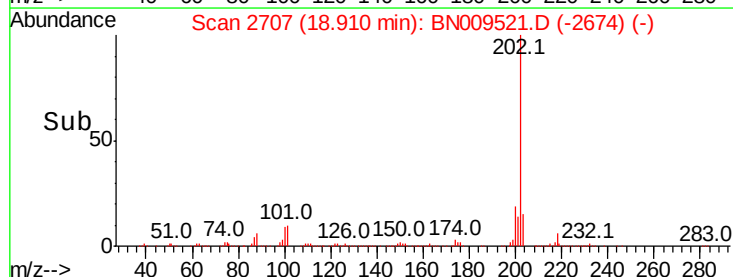
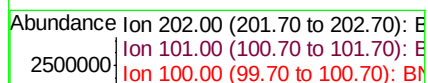
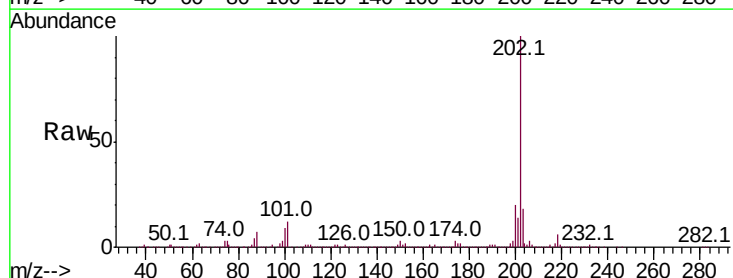
Delta R.T. -0.01 min

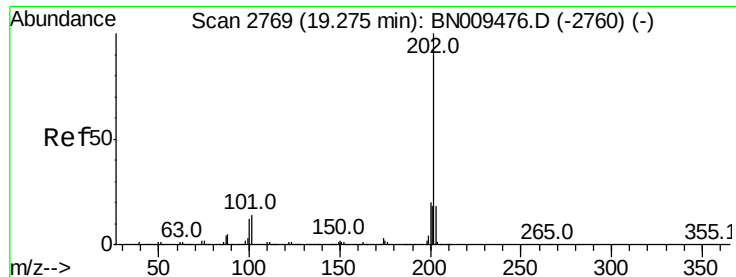
Lab File: BN009521.D

Acq: 31 Jan 2020 21:12

Tgt Ion:202 Resp: 2695530

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.7	14.5
100	9.3	7.1	10.7

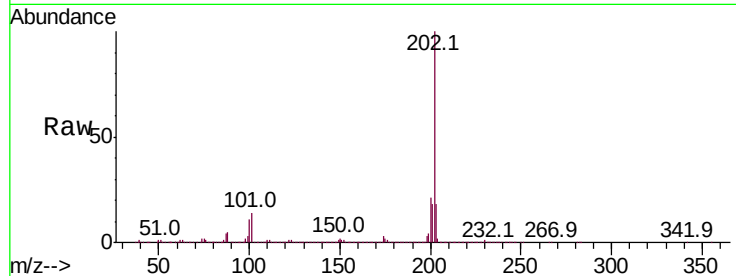




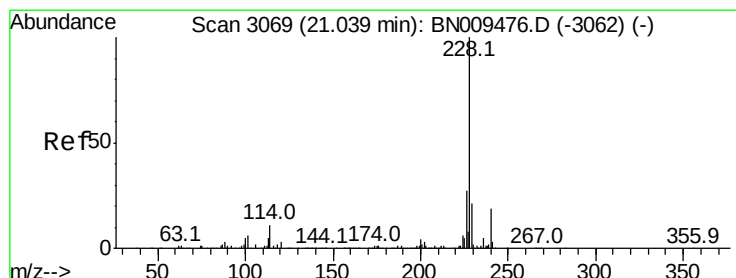
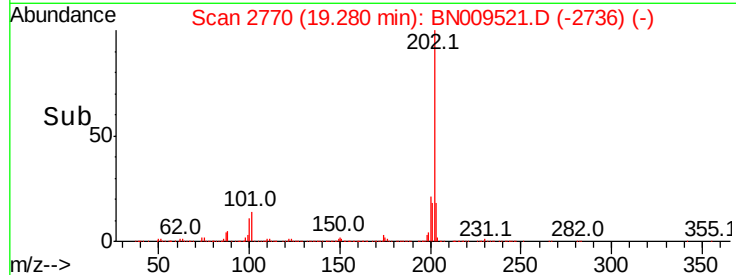
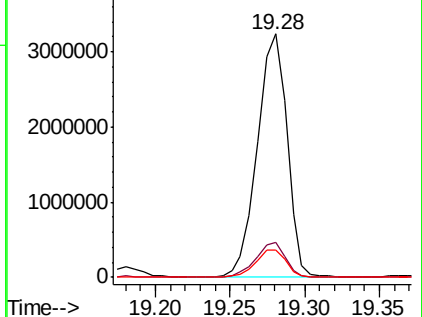
#79
Pvrene
Concen: 77.363 ng/ul
RT: 19.28 min Scan# 2770
Delta R.T. -0.00 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 4445223
Ion Ratio Lower Upper
202 100
101 14.2 10.9 16.3
100 11.3 8.6 12.8

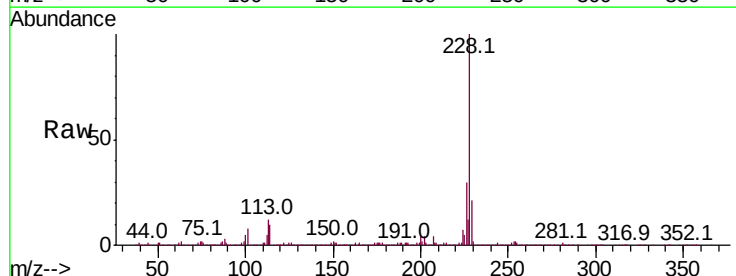


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

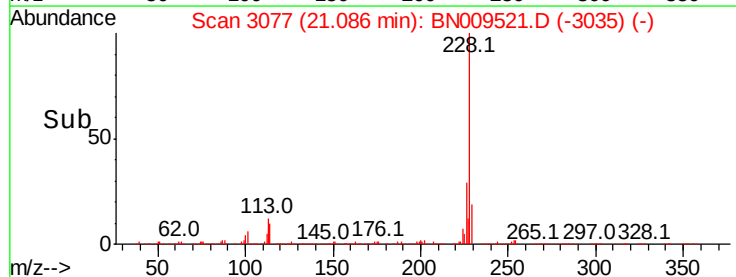
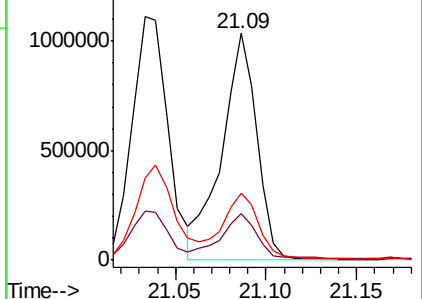


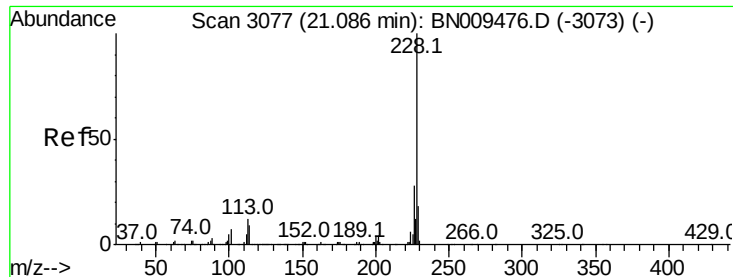
#82
Benzo(a)anthracene
Concen: 25.504 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. 0.05 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:228 Resp: 1378253
Ion Ratio Lower Upper
228 100
229 20.5 15.9 23.9
226 29.8 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: 26.222 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN009521.D

Acq: 31 Jan 2020 21:12

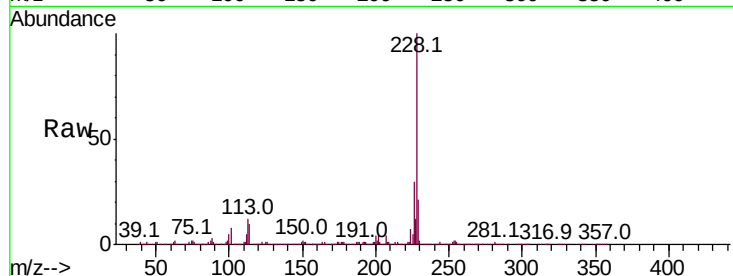
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 1380409

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.9	34.3
229	20.5	15.4	23.0

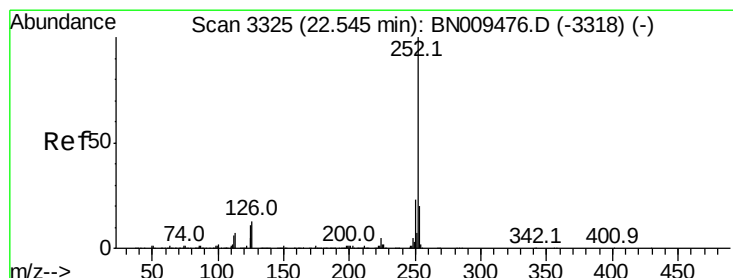
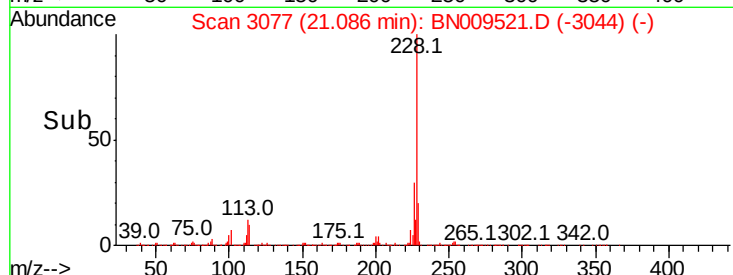
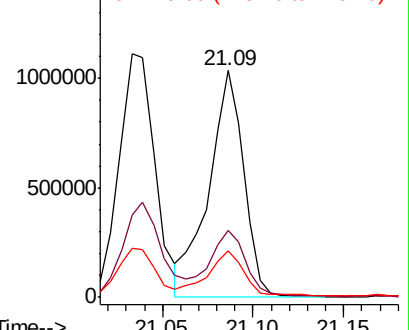


Abundance

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: 13.362 ng/ul

RT: 22.55 min Scan# 3326

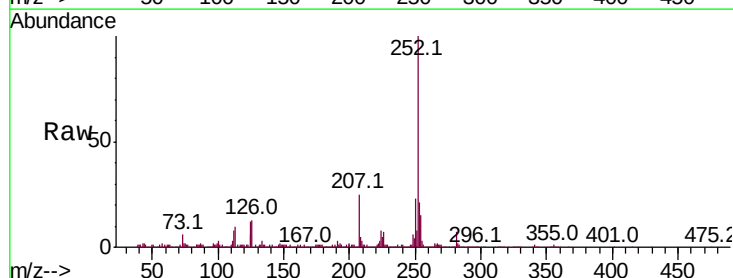
Delta R.T. -0.00 min

Lab File: BN009521.D

Acq: 31 Jan 2020 21:12

Tgt Ion:252 Resp: 743464

Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.5	24.7
125	12.3	8.2	12.2#

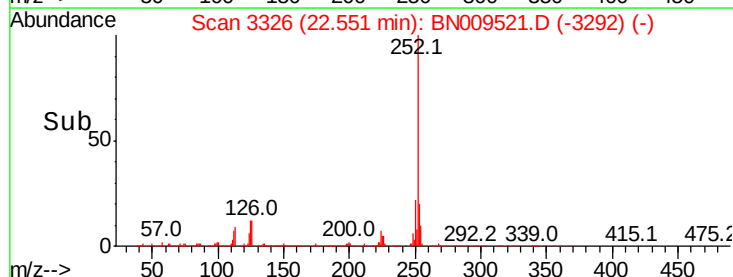
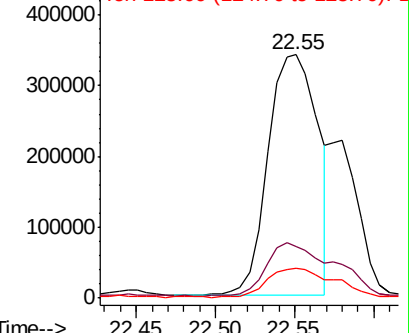


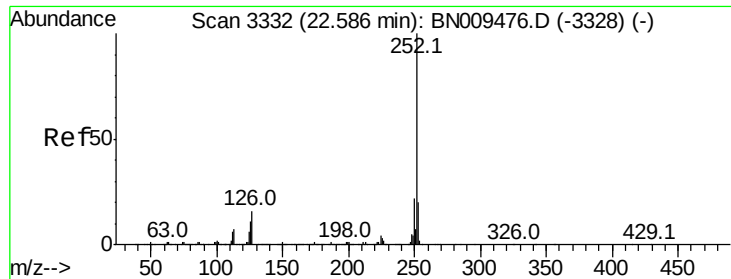
Abundance

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

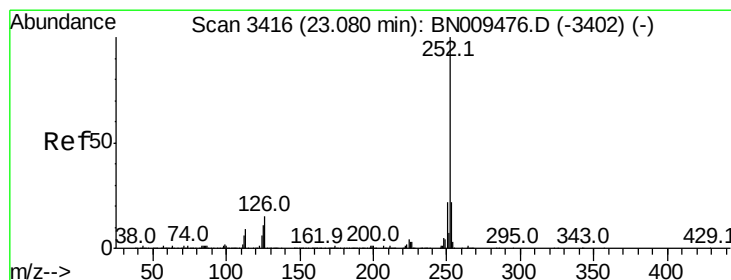
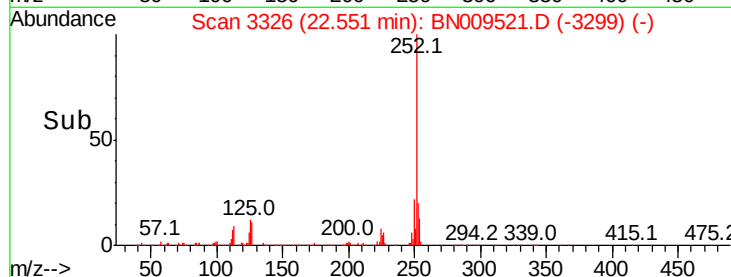
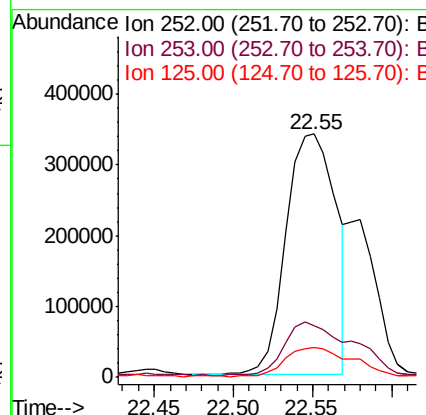
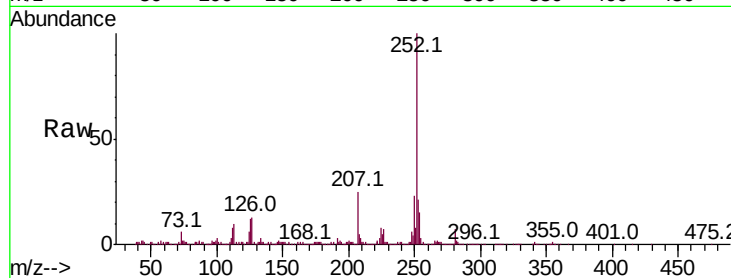




#88
Benzo(k)fluoranthene
Concen: 13.590 ng/ul
RT: 22.55 min Scan# 3326
Delta R.T. -0.04 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

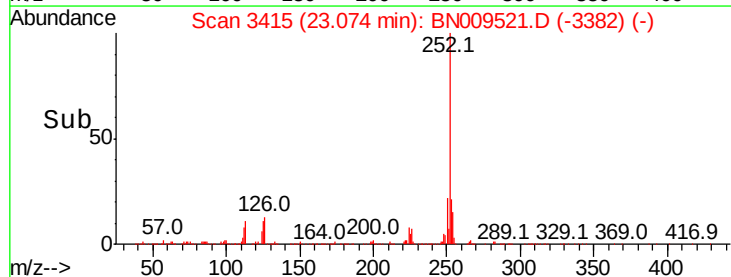
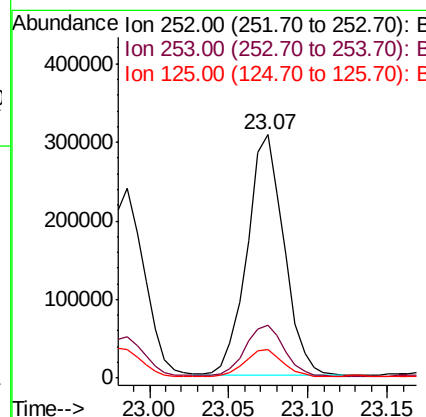
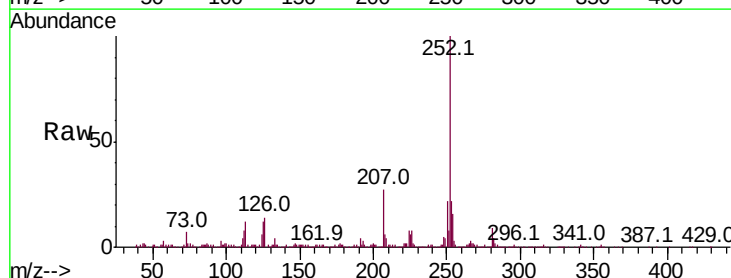
Instrument :
BNA_N
ClientSampleId :

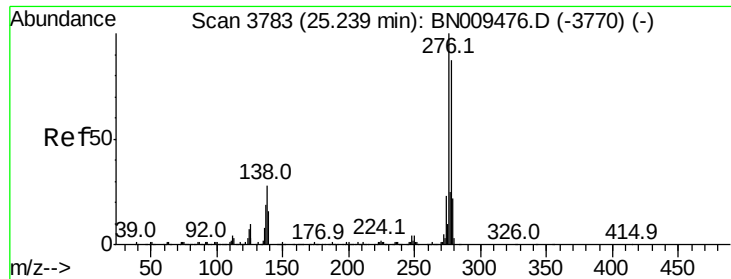
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.4
125	12.3	7.8	11.8#



#90
Benzo(a)pyrene
Concen: 9.848 ng/ul
RT: 23.07 min Scan# 3415
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	11.6	9.8	14.6



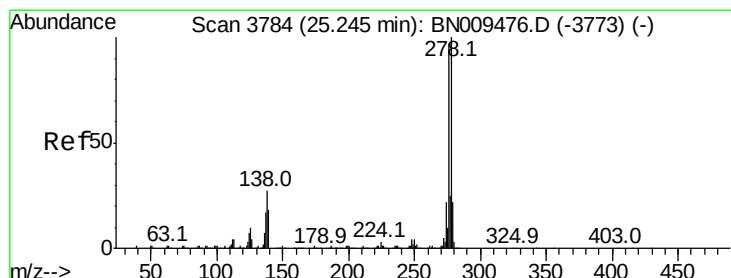
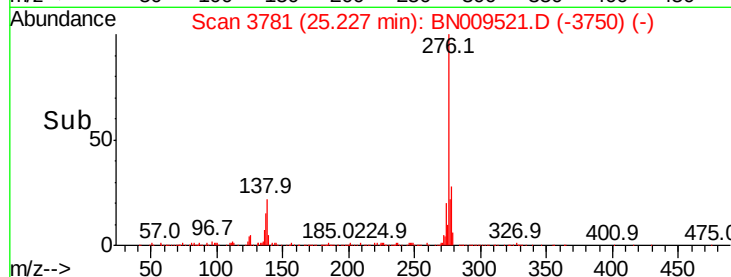
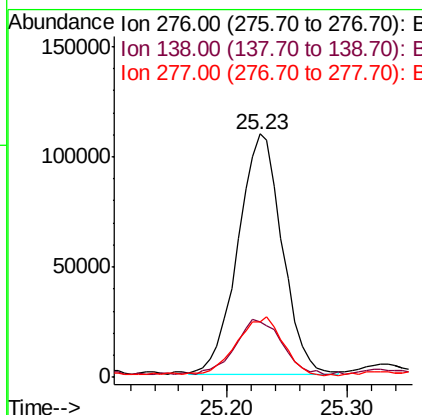
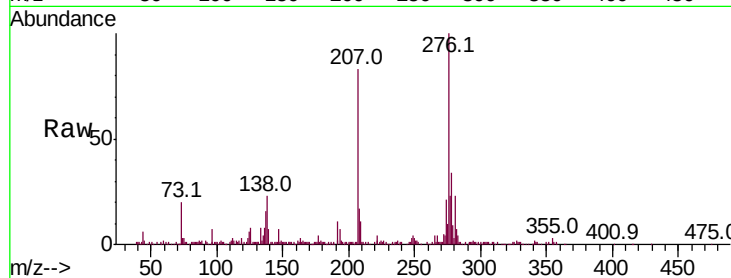


#91

Indeno(1,2,3-cd)pyrene
Concen: 4.586 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.02 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Instrument :
BNA_N
ClientSampleId :

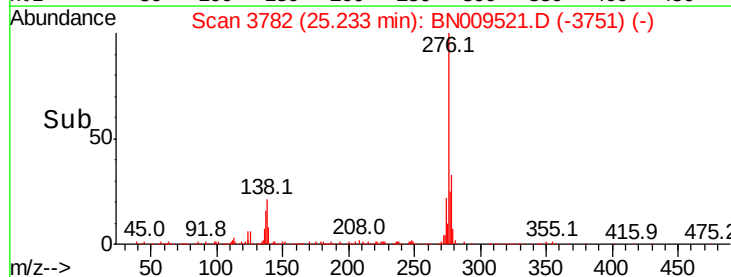
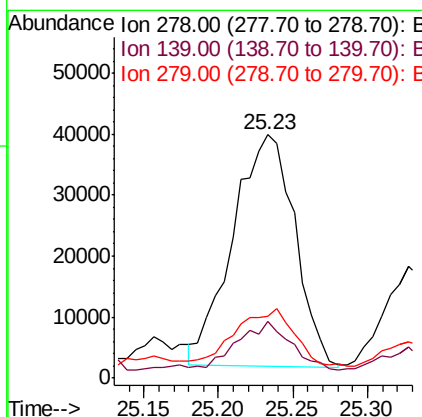
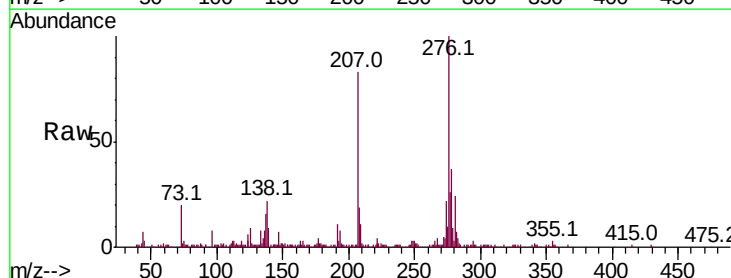
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	21.4	32.0
277	23.0	20.4	30.6

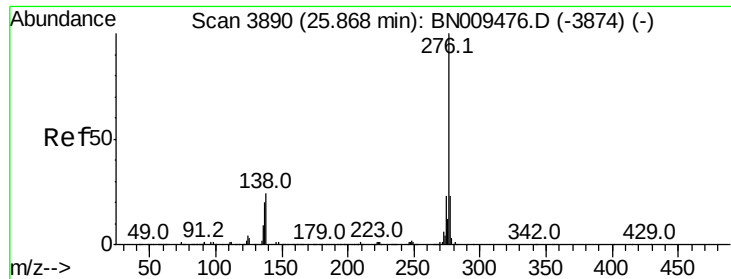


#92

Dibenzo(a,h)anthracene
Concen: 2.151 ng/ul
RT: 25.23 min Scan# 3782
Delta R.T. -0.02 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.5	13.9	20.9#
279	25.3	19.3	28.9





#93

Benzo(a,h,i)perylene

Concen: 4.160 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BN009521.D

Acq: 31 Jan 2020 21:12

Instrument :

BNA_N

ClientSampleId :

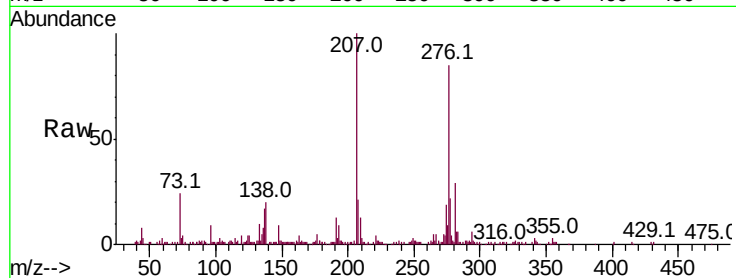
Tot Ion:276 Resp: 209440

Ion Ratio Lower Upper

276 100

138 23.5 16.6 24.8

277 25.7 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

