

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
 Data File : BN009547.D
 Acq On : 04 Feb 2020 02:22
 Operator : CG/JU
 Sample : L1271-01DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 04 02:55:38 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	7.44	152	174262	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	735487	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.08	164	464136	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	957528	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	836319	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	894464	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	449	0.11	ng/uL	0.02
5) Phenol-d5	6.65	99	14080	0.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	11790	1.15	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	10911	0.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	6323	0.52	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	5975	1.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	5376	0.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	9986	0.87	ng/ul	0.01
29) 4-Chloroaniline-d4	10.35	131	4439	0.36	ng/ul	0.01
43) Dimethylphthalate-d6	13.50	166	45776	1.35	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	46894	1.15	ng/ul	0.00
51) 4-Nitrophenol-d4	14.29	143	1438	0.22	ng/ul	-0.02
57) Fluorene-d10	15.08	176	40170	1.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	1805	0.30	ng/ul	0.01
70) Anthracene-d10	16.93	188	59868	1.38	ng/ul	0.00
78) Pyrene-d10	19.23	212	61355	1.40	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	56489	1.28	ng/ul	0.00

Target Compounds

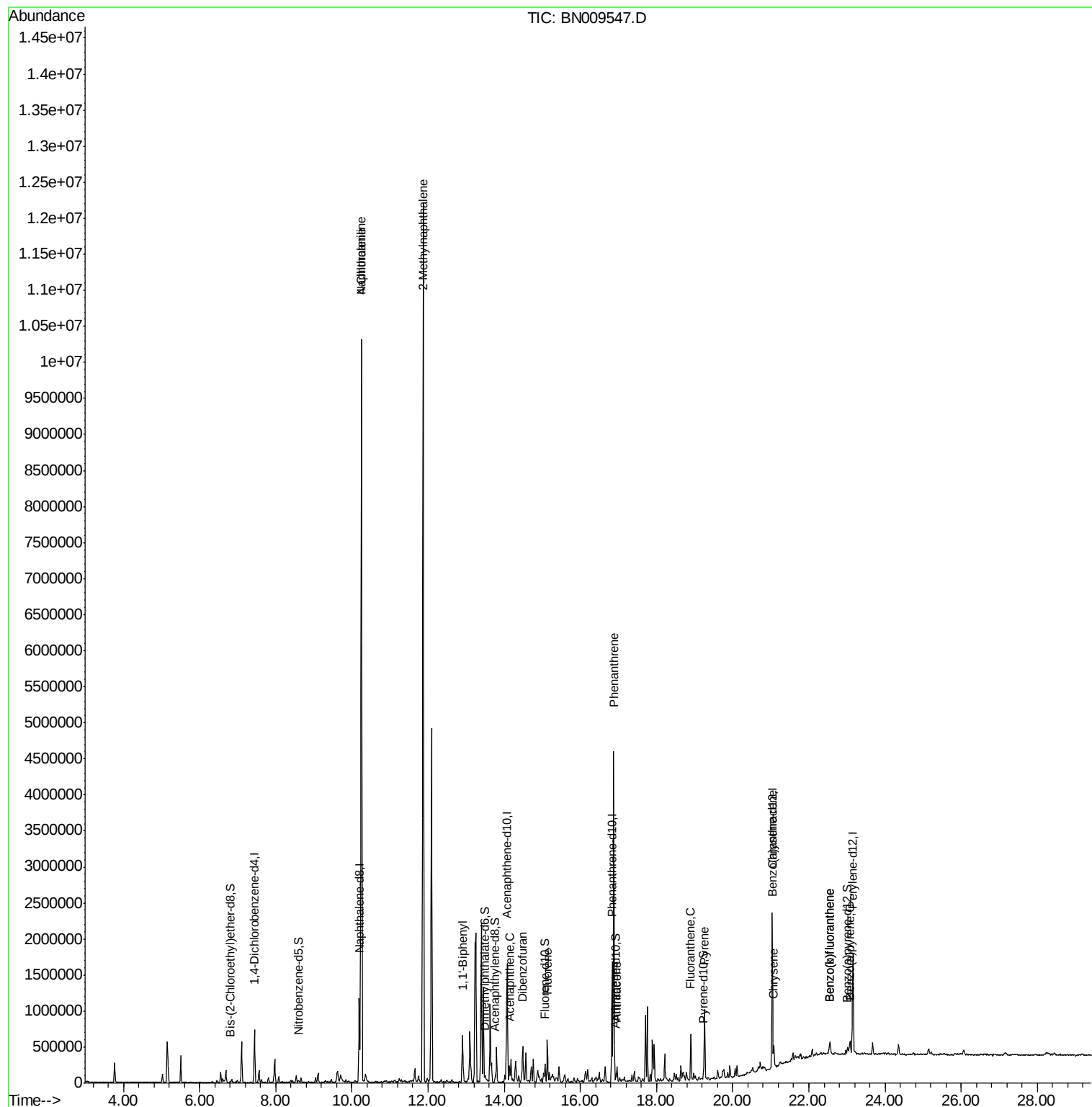
					Ovalue
28) Naphthalene	10.25	128	7480092	187.542	ng/ul 100
30) 4-Chloroaniline	10.25	127	984653	77.553	ng/ul# 6
34) 2-Methylnaphthalene	11.87	142	5456179	195.478	ng/ul 95
40) 1,1'-Biphenyl	12.90	154	312626	8.651	ng/ul 98
49) Acenaphthene	14.14	153	60815	1.997	ng/ul 97
53) Dibenzofuran	14.48	168	126271	2.977	ng/ul 94
58) Fluorene	15.13	166	219933	6.205	ng/ul 98
69) Phenanthrene	16.87	178	2353172	43.093	ng/ul 98
71) Anthracene	16.96	178	118226	2.134	ng/ul 96
76) Fluoranthene	18.90	202	346611	5.561	ng/ul 98
79) Pyrene	19.26	202	555515	9.099	ng/ul 97
82) Benzo(a)anthracene	21.03	228	171735	2.974	ng/ul 99
84) Chrysene	21.07	228	156156	2.716	ng/ul 98
87) Benzo(b)fluoranthene	22.53	252	70484	1.259	ng/ul# 93
88) Benzo(k)fluoranthene	22.53	252	70484	1.279	ng/ul# 93
90) Benzo(a)pyrene	23.06	252	53570	1.033	ng/ul# 90

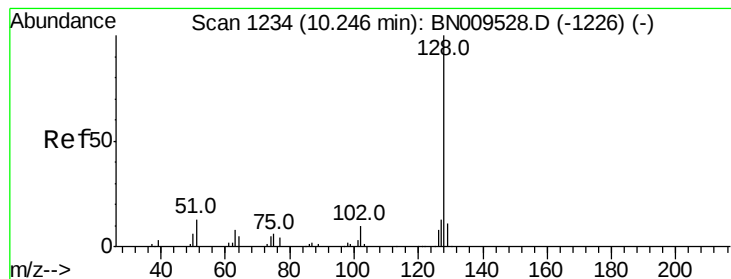
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 03 16:39:56 2020
Response via : Initial Calibration





#28

Naphthalene

Concen: 187.542 ng/ul

RT: 10.25 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

Instrument :

BNA_N

ClientSampleId :

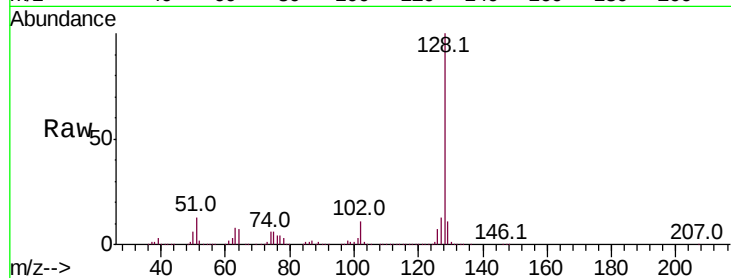
Tot Ion:128 Resp: 7480092

Ion Ratio Lower Upper

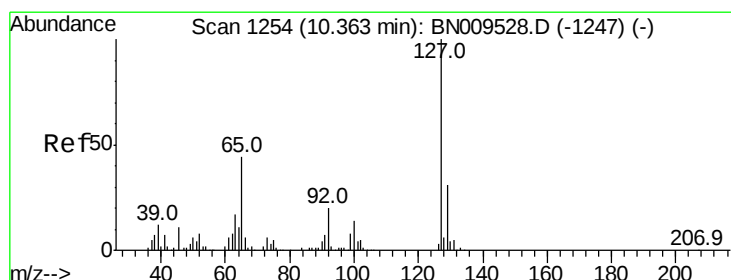
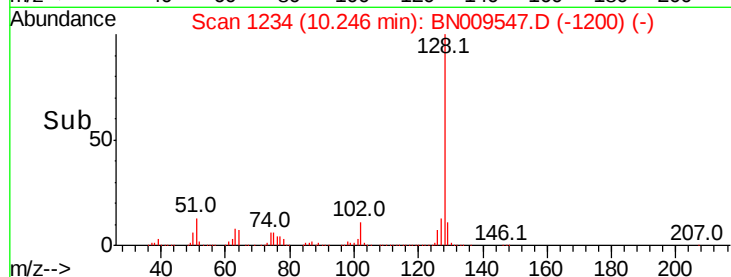
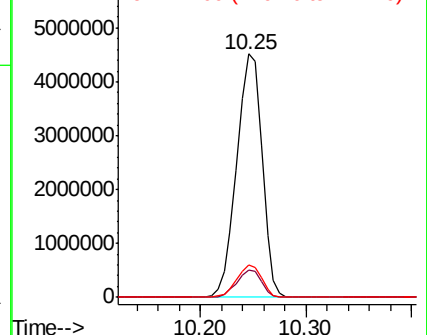
128 100

129 11.1 8.7 13.1

127 13.3 10.7 16.1



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: 77.553 ng/ul

RT: 10.25 min Scan# 1234

Delta R.T. -0.12 min

Lab File: BN009547.D

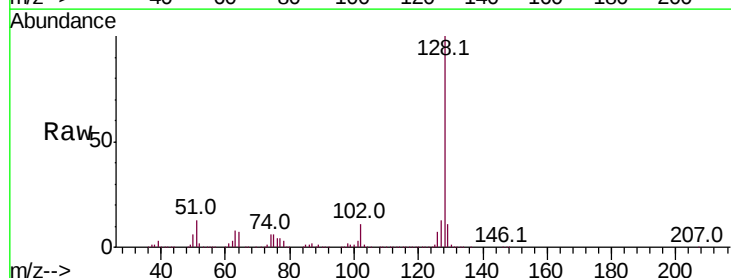
Acq: 04 Feb 2020 02:22

Tgt Ion:127 Resp: 984653

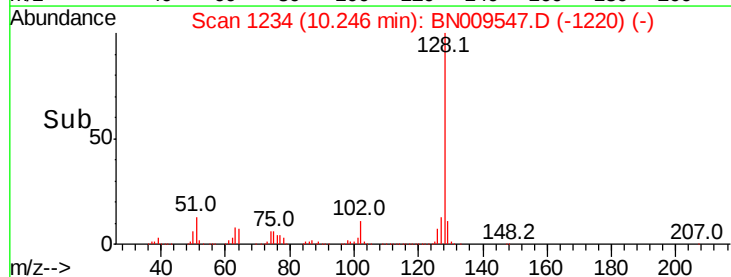
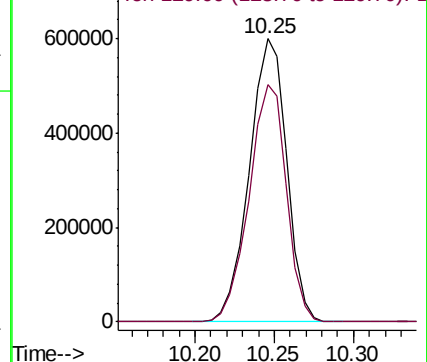
Ion Ratio Lower Upper

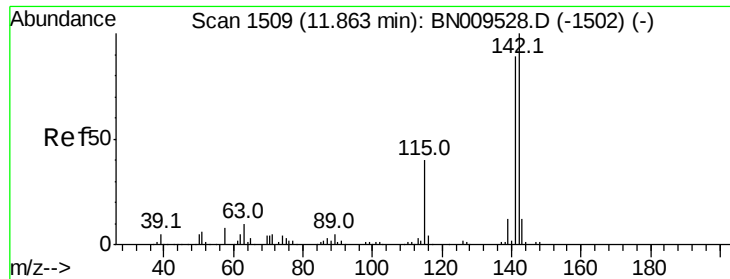
127 100

129 83.7 25.2 37.8#



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

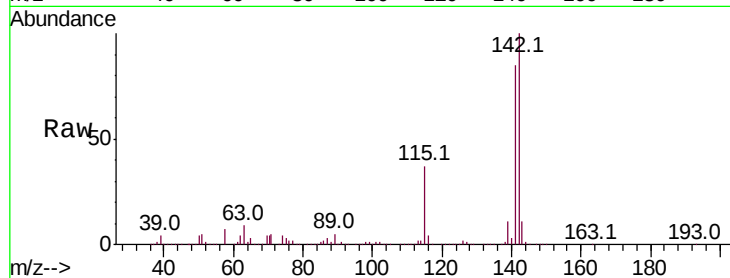




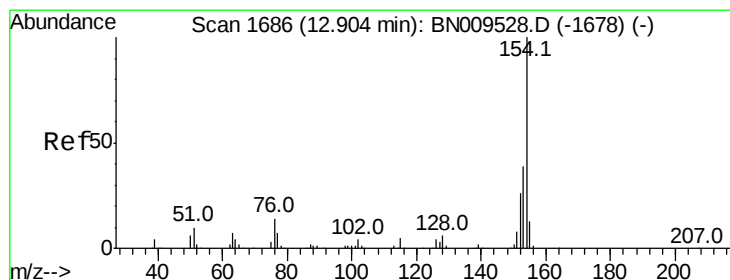
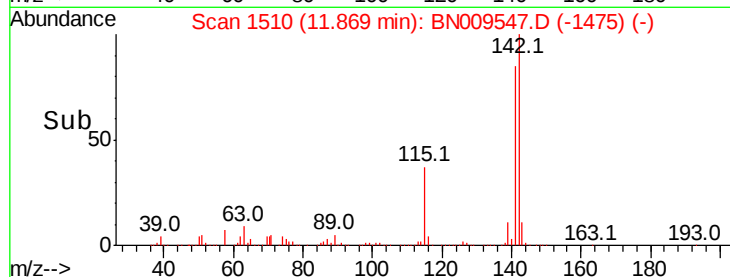
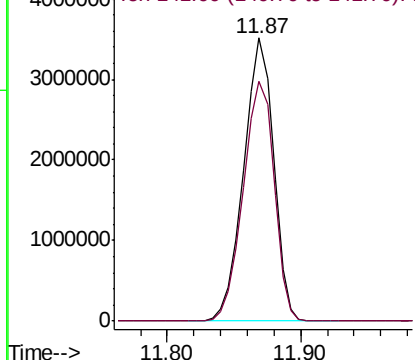
#34
 2-Methylnaphthalene
 Concen: 195.478 ng/ul
 RT: 11.87 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: BN009547.D
 Acq: 04 Feb 2020 02:22

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:142 Resp: 5456179
 Ion Ratio Lower Upper
 142 100
 141 84.9 71.5 107.3

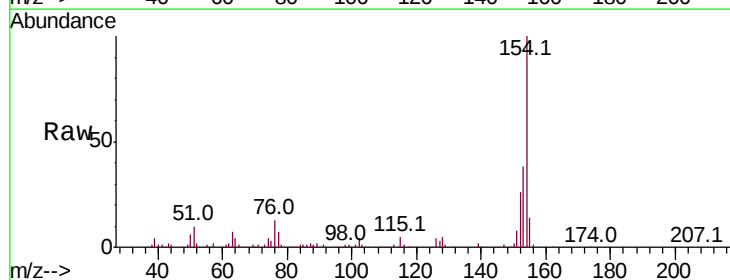


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

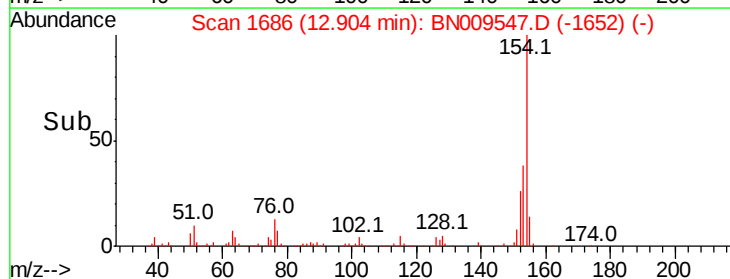
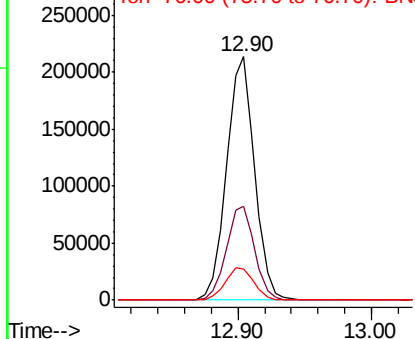


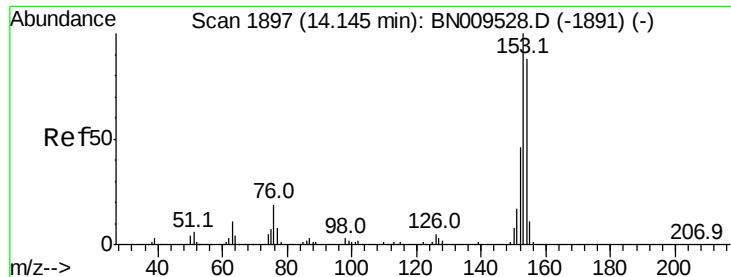
#40
 1,1'-Biphenyl
 Concen: 8.651 ng/ul
 RT: 12.90 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: BN009547.D
 Acq: 04 Feb 2020 02:22

Tgt Ion:154 Resp: 312626
 Ion Ratio Lower Upper
 154 100
 153 38.4 31.2 46.8
 76 12.9 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): BNC





#49

Acenaphthene

Concen: 1.997 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

Instrument :

BNA_N

ClientSampleId :

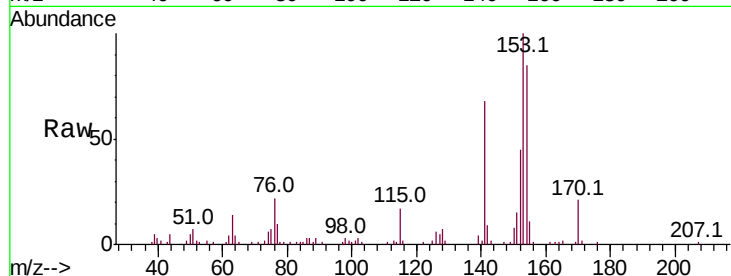
Tot Ion:153 Resp: 60815

Ion Ratio Lower Upper

153 100

152 45.1 37.3 55.9

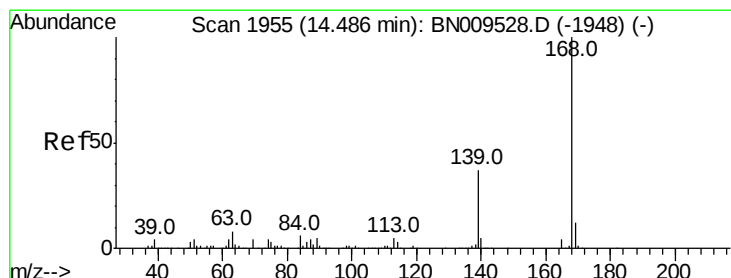
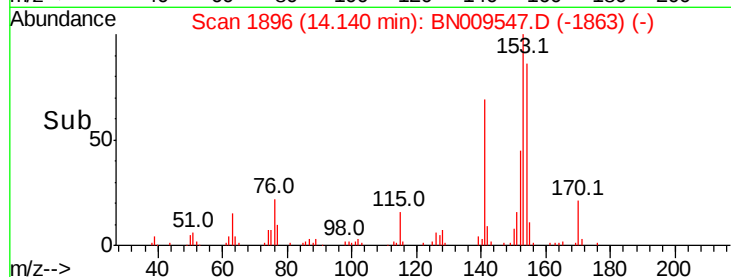
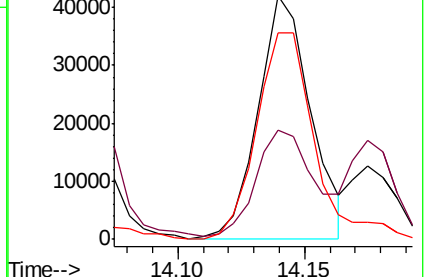
154 84.7 70.2 105.2



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: 2.977 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BN009547.D

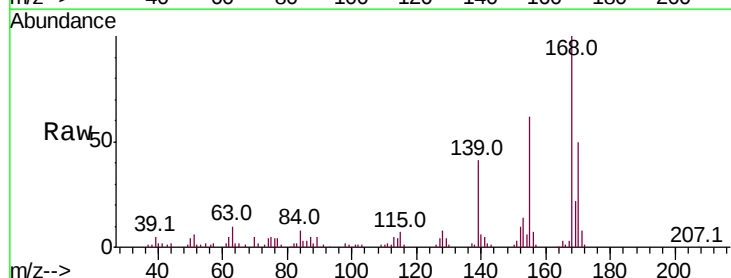
Acq: 04 Feb 2020 02:22

Tgt Ion:168 Resp: 126271

Ion Ratio Lower Upper

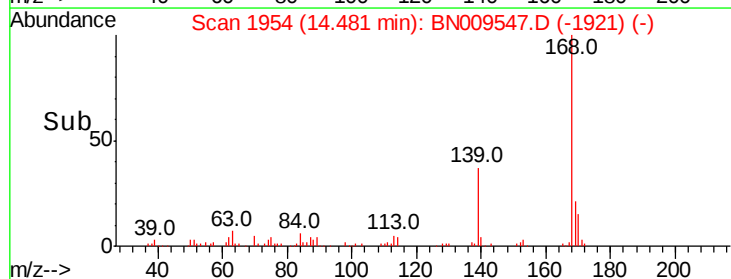
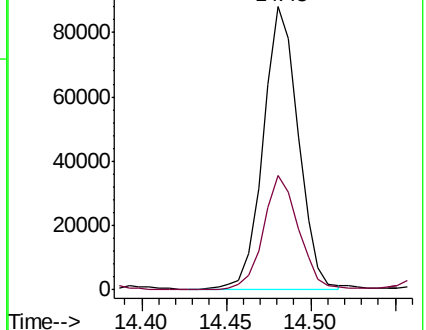
168 100

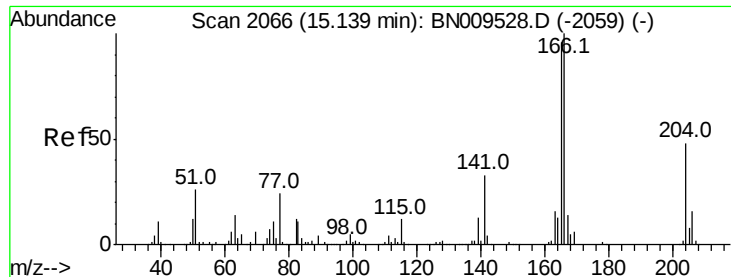
139 40.6 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.205 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

Instrument :

BNA_N

ClientSampleId :

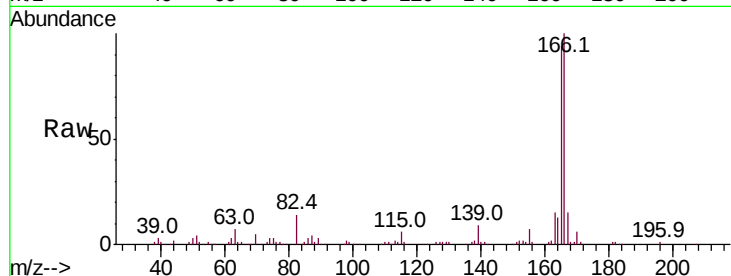
Tot Ion:166 Resp: 219933

Ion Ratio Lower Upper

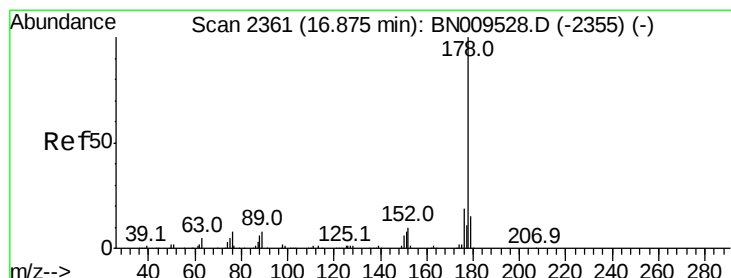
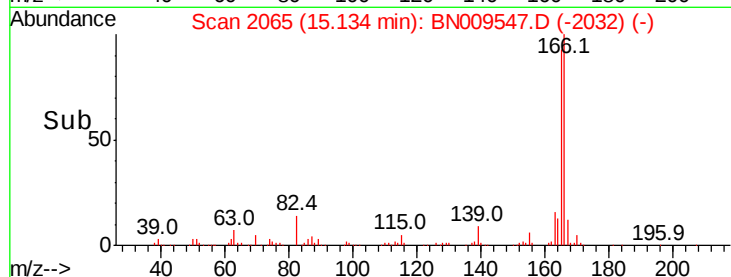
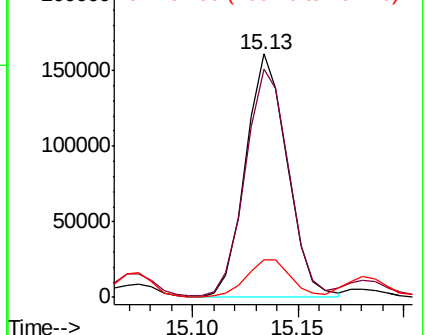
166 100

165 94.0 76.7 115.1

167 15.5 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



#69

Phenanthrene

Concen: 43.093 ng/ul

RT: 16.87 min Scan# 2361

Delta R.T. 0.00 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

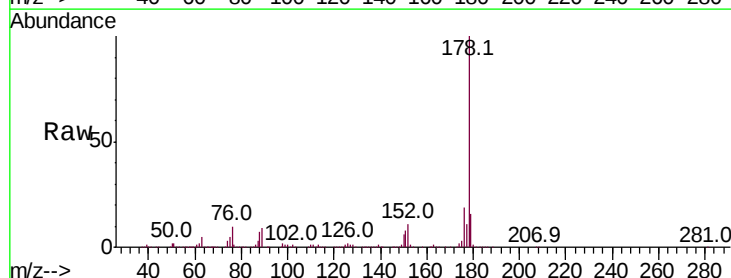
Tgt Ion:178 Resp: 2353172

Ion Ratio Lower Upper

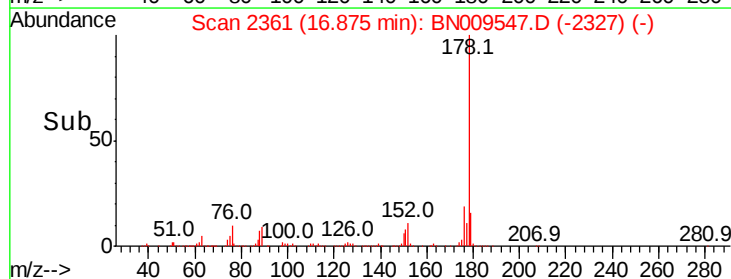
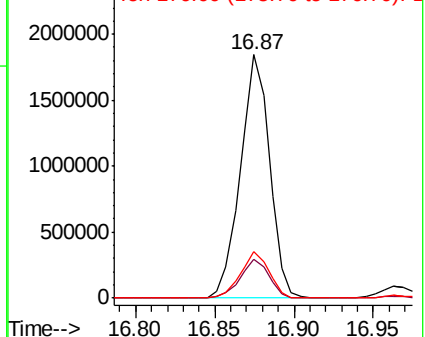
178 100

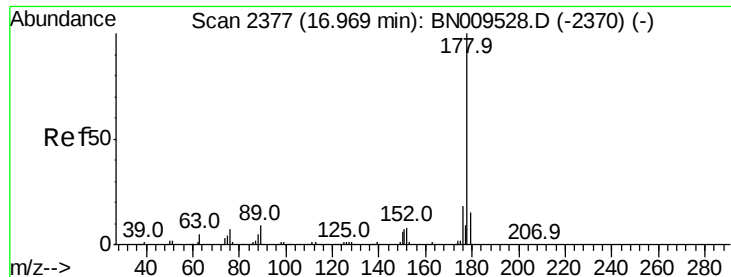
179 15.8 12.2 18.2

176 19.2 14.8 22.2



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: 2.134 ng/ul

RT: 16.96 min Scan# 2376

Delta R.T. -0.01 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

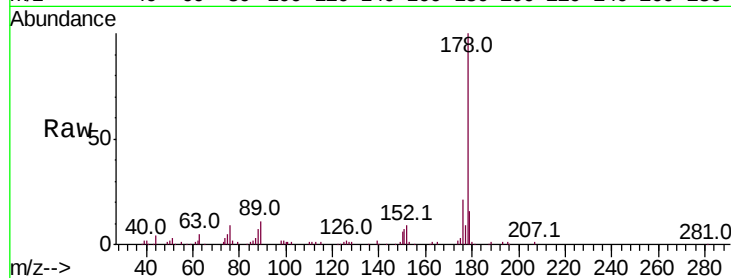
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 118226

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.1	18.1
176	20.5	14.6	21.8

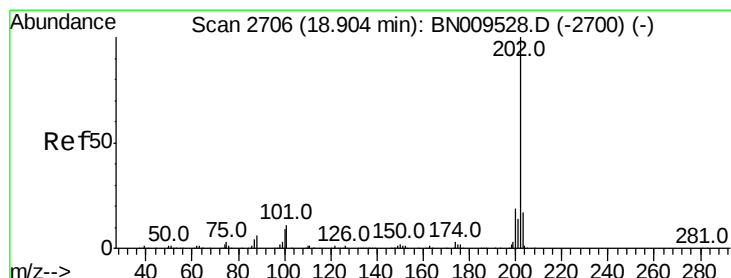
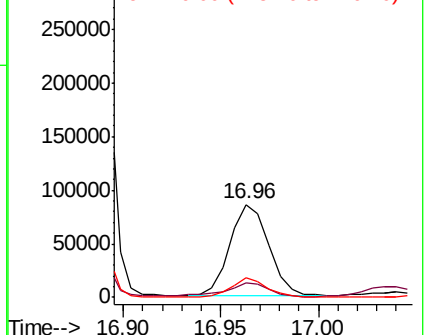
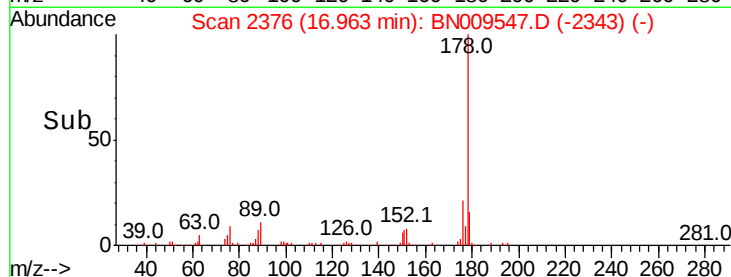


Abundance

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



#76

Fluoranthene

Concen: 5.561 ng/ul

RT: 18.90 min Scan# 2705

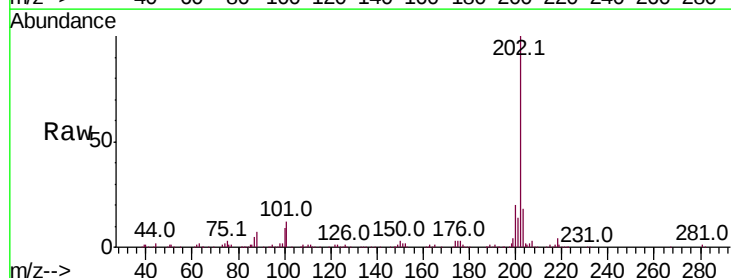
Delta R.T. -0.01 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

Tgt Ion:202 Resp: 346611

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.2	13.8
100	9.2	6.9	10.3

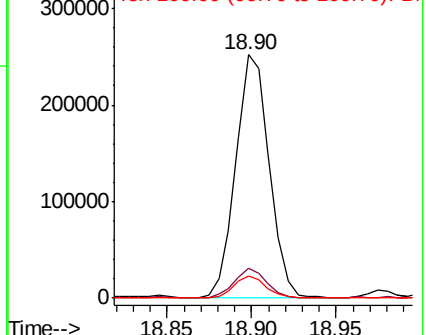
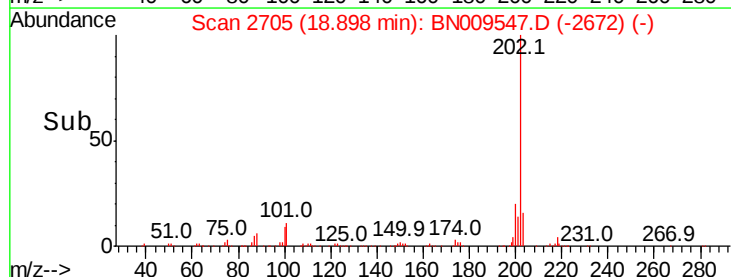


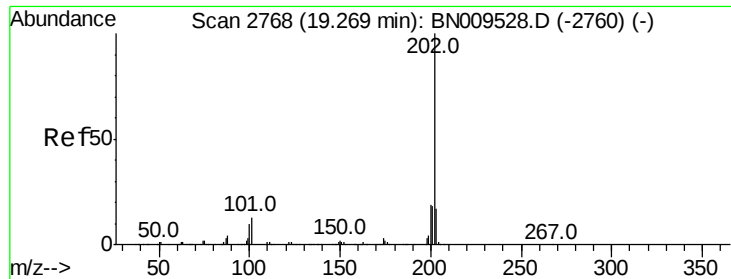
Abundance

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: 9.099 ng/ul

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

Instrument :

BNA_N

ClientSampled :

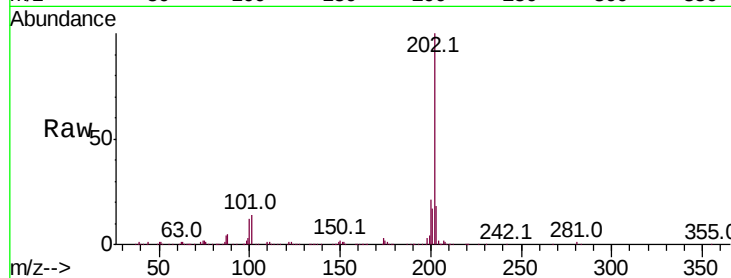
Tot Ion:202 Resp: 55515

Ion Ratio Lower Upper

202 100

101 13.8 10.3 15.5

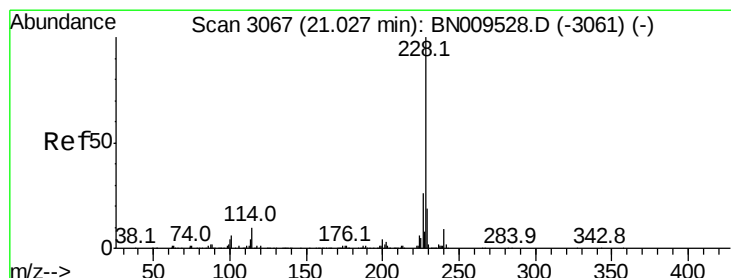
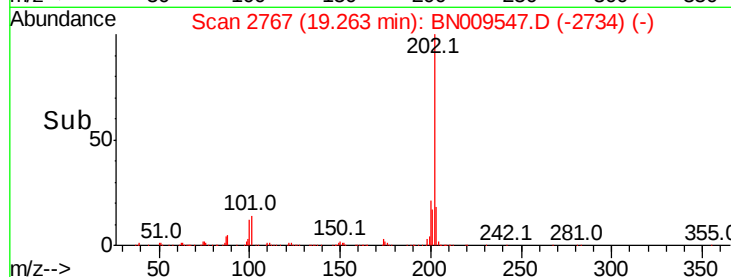
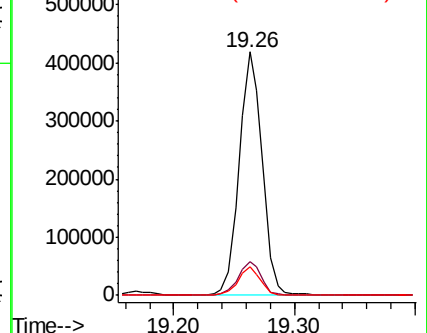
100 11.8 8.4 12.6



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): E



#82

Benzo(a)anthracene

Concen: 2.974 ng/ul

RT: 21.03 min Scan# 3067

Delta R.T. 0.00 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

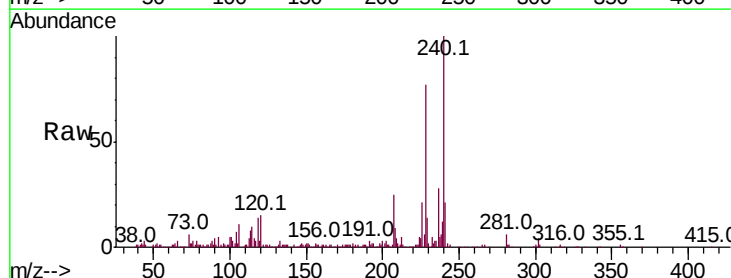
Tgt Ion:228 Resp: 171735

Ion Ratio Lower Upper

228 100

229 18.7 15.0 22.4

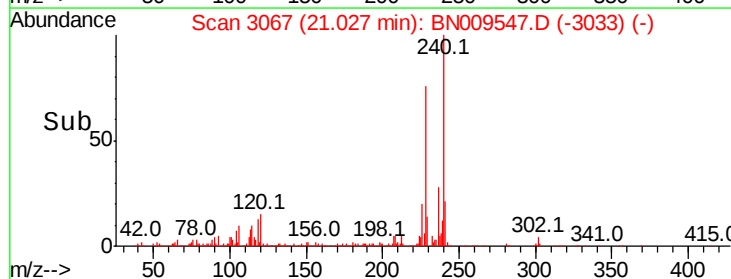
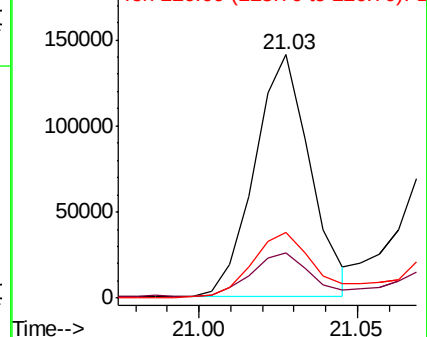
226 27.1 20.9 31.3

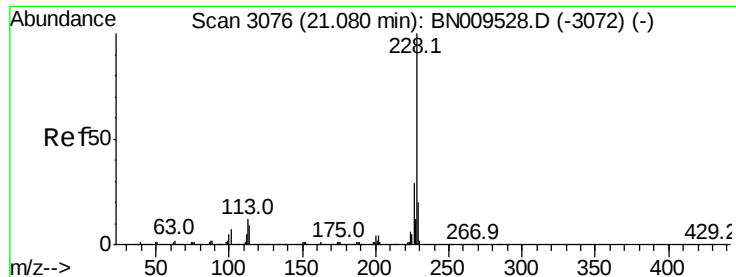


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 2.716 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

Instrument :

BNA_N

ClientSampleId :

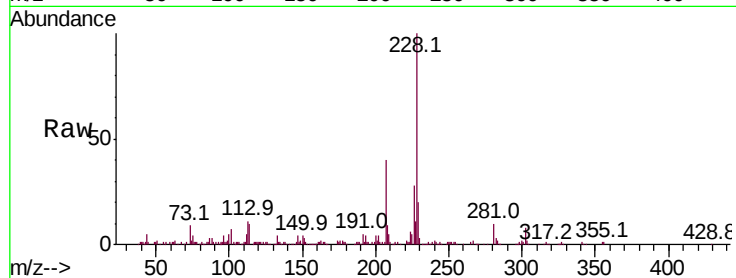
Tot Ion:228 Resp: 156156

Ion Ratio Lower Upper

228 100

226 27.7 23.5 35.3

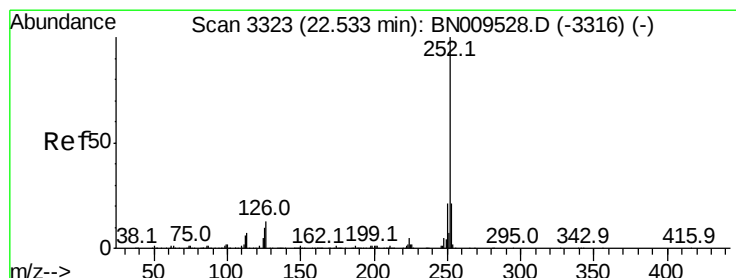
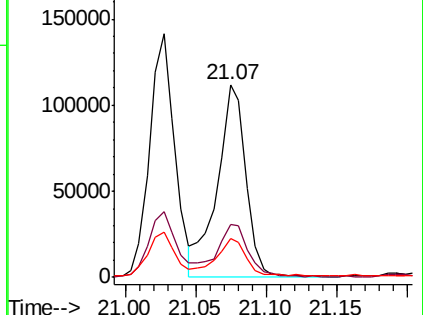
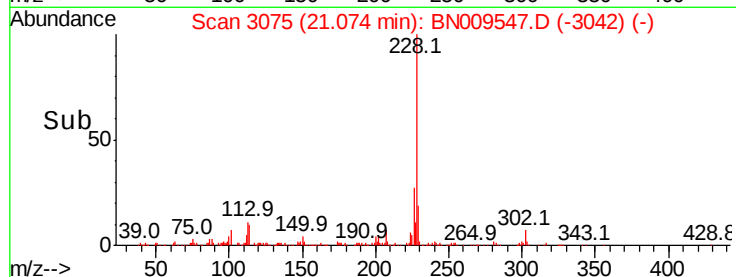
229 20.2 15.8 23.8



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: 1.259 ng/ul

RT: 22.53 min Scan# 3323

Delta R.T. 0.00 min

Lab File: BN009547.D

Acq: 04 Feb 2020 02:22

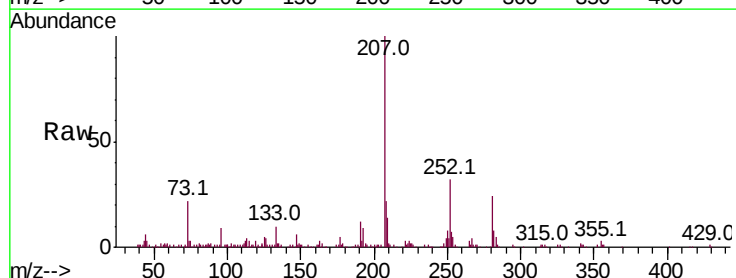
Tgt Ion:252 Resp: 70484

Ion Ratio Lower Upper

252 100

253 20.5 17.0 25.6

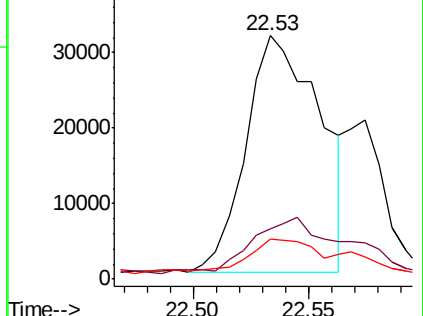
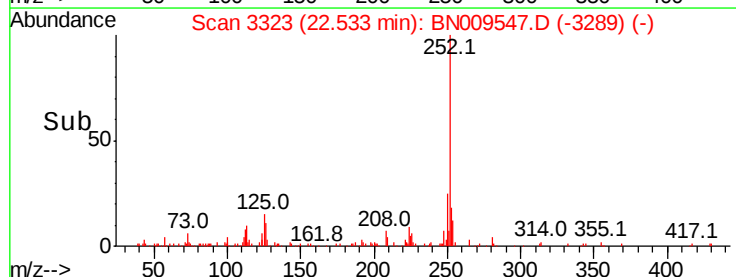
125 16.5 8.2 12.2#

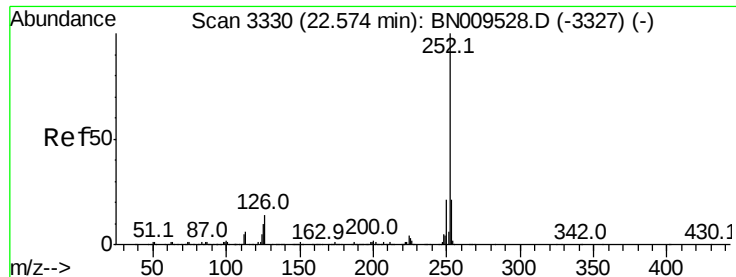


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

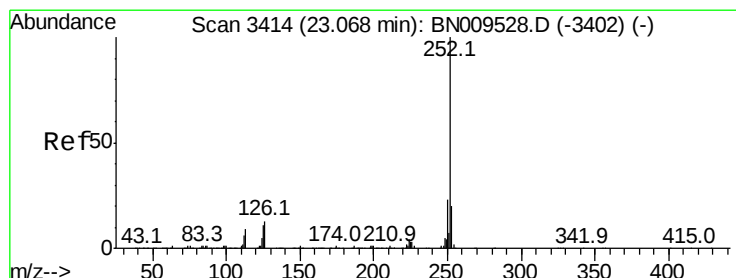
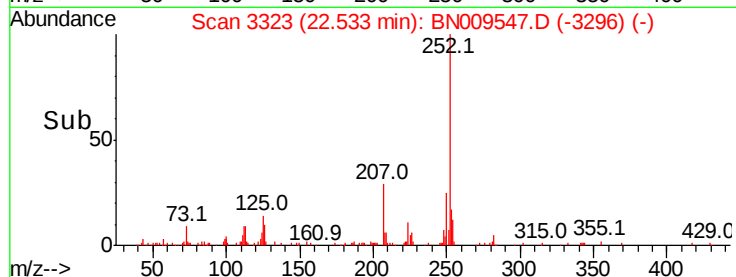
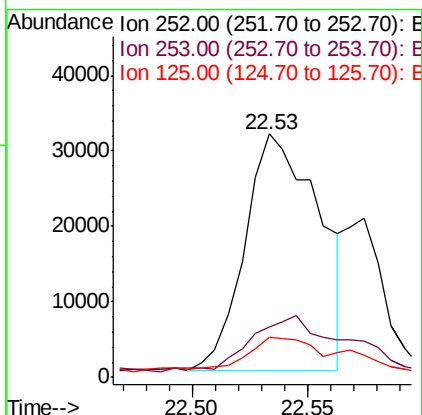
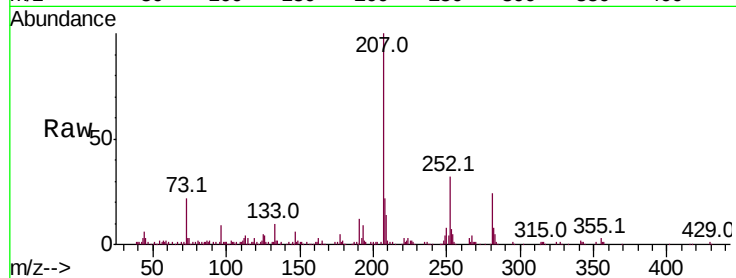




#88
Benzo(k)fluoranthene
Concen: 1.279 ng/ul
RT: 22.53 min Scan# 3323
Delta R.T. -0.04 min
Lab File: BN009547.D
Acq: 04 Feb 2020 02:22

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 70484
Ion Ratio Lower Upper
252 100
253 20.5 17.0 25.4
125 16.5 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 1.033 ng/ul
RT: 23.06 min Scan# 3413
Delta R.T. -0.01 min
Lab File: BN009547.D
Acq: 04 Feb 2020 02:22

Tgt Ion:252 Resp: 53570
Ion Ratio Lower Upper
252 100
253 23.9 15.8 23.8#
125 15.2 8.7 13.1#

