

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009949.D
 Acq On : 27 Feb 2020 04:19
 Operator : CG/JU
 Sample : L1612-19
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 27 07:19:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 26 07:56:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	101305	20.00	ng/ul	0.00
18) Naphthalene-d8	10.13	136	453378	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	296987	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	637855	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	627950	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	646563	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	2948	1.20	ng/uL	0.00
5) Phenol-d5	6.59	99	61267	7.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	45686	7.68	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	49873	7.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	48640	7.10	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	23512	7.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	26040	7.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	50642	7.26	ng/ul	0.02
29) 4-Chloroaniline-d4	10.30	131	31429	4.01	ng/ul	0.02
44) Dimethylphthalate-d6	13.45	166	175034	7.89	ng/ul	0.00
47) Acenaphthylene-d8	13.71	160	198774	7.61	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	15821	3.91	ng/ul	0.02
58) Fluorene-d10	15.03	176	161356	8.42	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	19504	4.92	ng/ul	0.01
71) Anthracene-d10	16.88	188	248709	8.51	ng/ul	0.00
79) Pyrene-d10	19.19	212	279943	8.53	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	280145	8.68	ng/ul	0.00

Target Compounds

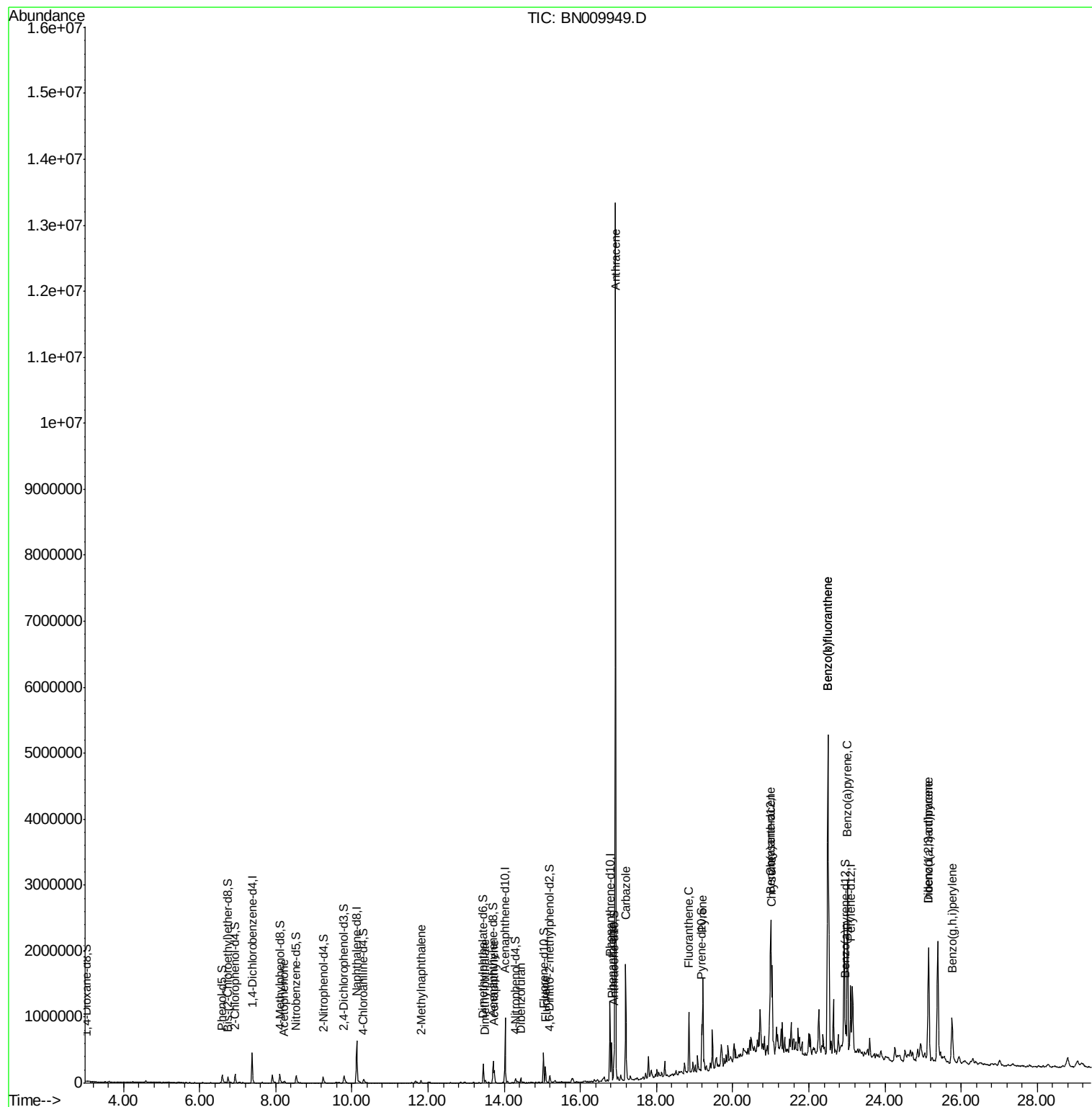
					Ovalue
14) Acetophenone	8.22	105	11524	1.032	ng/ul 97
34) 2-Methylnaphthalene	11.81	142	20538	1.210	ng/ul 94
45) Dimethylphthalate	13.50	163	24064	1.040	ng/ul 99
48) Acenaphthylene	13.74	152	117045	4.139	ng/ul 97
54) Dibenzofuran	14.43	168	43783	1.609	ng/ul 90
59) Fluorene	15.09	166	99379	4.352	ng/ul 96
70) Phenanthrene	16.82	178	304392	8.362	ng/ul 99
72) Anthracene	16.92	178	7727870	207.664	ng/ul 99
75) Carbazole	17.19	167	959428	29.277	ng/ul 98
77) Fluoranthene	18.85	202	499583	11.716	ng/ul 99
80) Pyrene	19.22	202	796998	17.605	ng/ul 100
83) Benzo(a)anthracene	20.99	228	634778	14.710	ng/ul 93
85) Chrysene	21.02	228	352412	8.295	ng/ul 94
88) Benzo(b)fluoranthene	22.50	252	3145732	75.040	ng/ul 99
89) Benzo(k)fluoranthene	22.50	252	3145732	79.250	ng/ul 99
91) Benzo(a)pyrene	23.02	252	1393290	36.954	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.14	276	1062035	23.725	ng/ul# 93
93) Dibenzo(a,h)anthracene	25.14	278	269612	7.041	ng/ul# 76
94) Benzo(g,h,i)perylene	25.76	276	633807	16.886	ng/ul 98

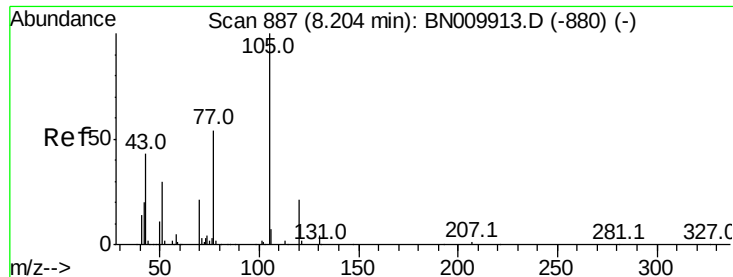
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration





#14

Acetophenone

Concen: 1.032 ng/ul

RT: 8.22 min Scan# 890

Delta R.T. 0.02 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

Instrument :

BNA_N

ClientSampleId :

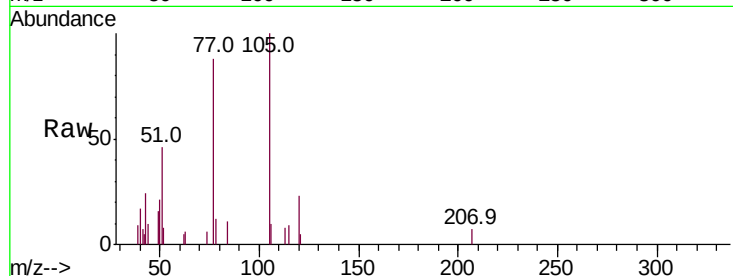
Tot Ion:105 Resp: 11524

Ion Ratio Lower Upper

105 100

77 88.3 68.9 103.3

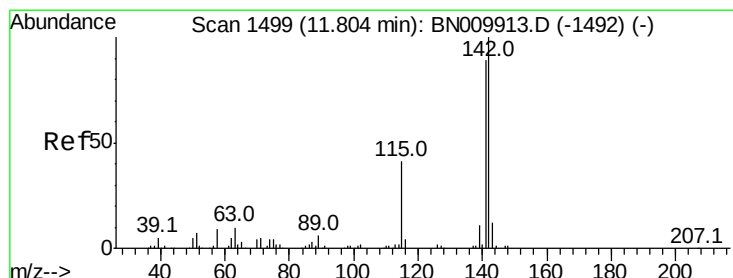
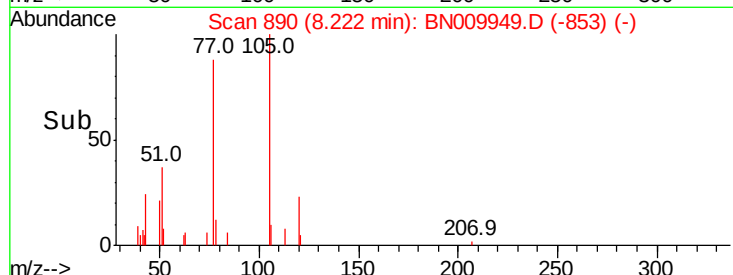
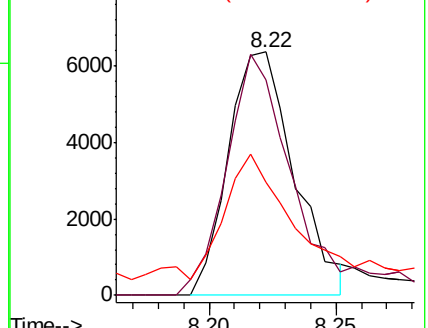
51 46.3 35.6 53.4



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: 1.210 ng/ul

RT: 11.81 min Scan# 1500

Delta R.T. 0.01 min

Lab File: BN009949.D

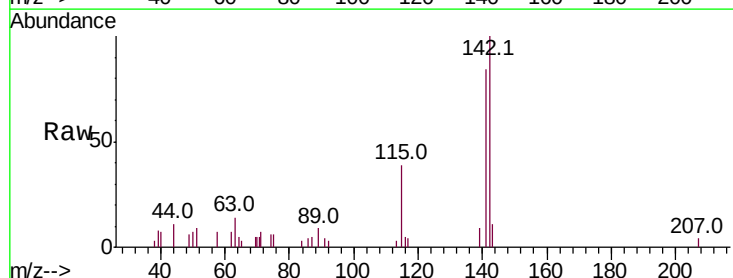
Acq: 27 Feb 2020 04:19

Tgt Ion:142 Resp: 20538

Ion Ratio Lower Upper

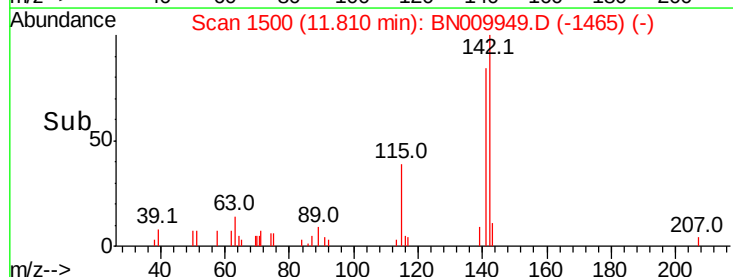
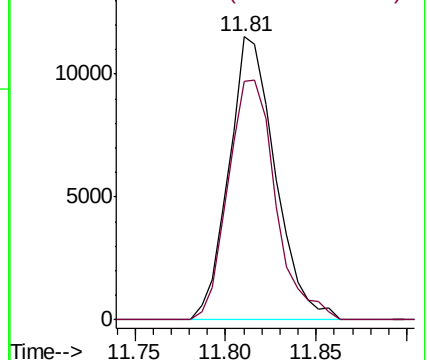
142 100

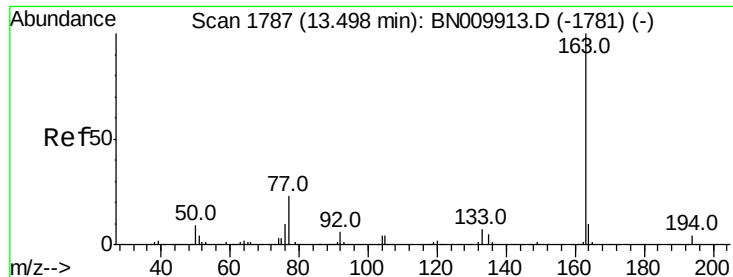
141 84.4 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#45

Dimethylphthalate

Concen: 1.040 ng/ul

RT: 13.50 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

Instrument :

BNA_N

ClientSampleId :

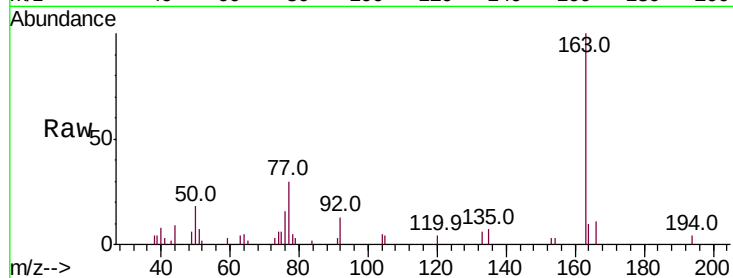
Tot Ion:163 Resp: 24064

Ion Ratio Lower Upper

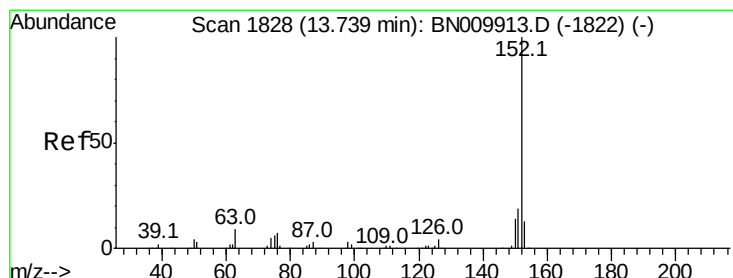
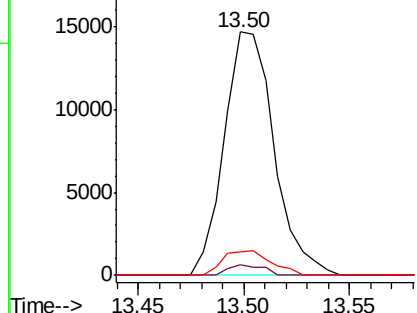
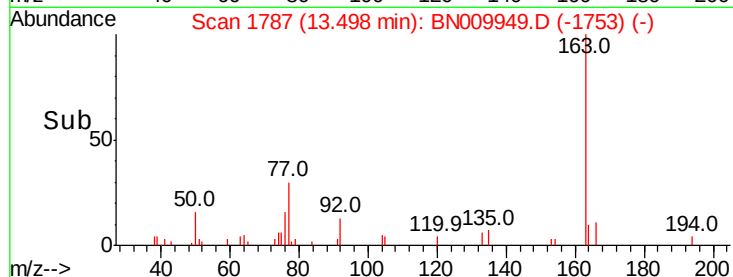
163 100

194 4.5 3.4 5.0

164 9.7 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



#48

Acenaphthylene

Concen: 4.139 ng/ul

RT: 13.74 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

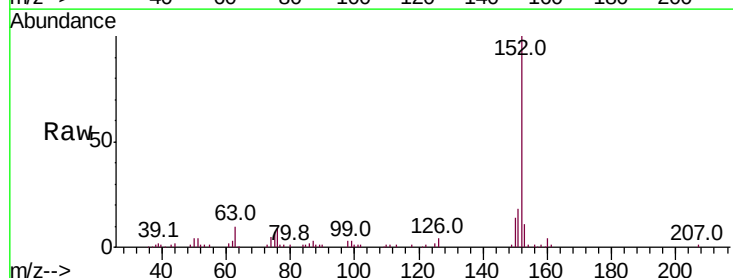
Tgt Ion:152 Resp: 117045

Ion Ratio Lower Upper

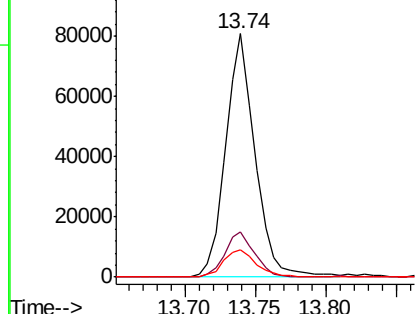
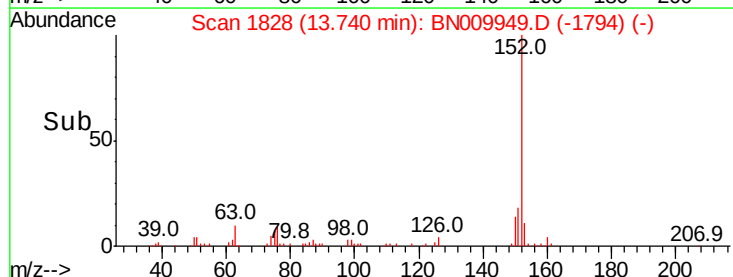
152 100

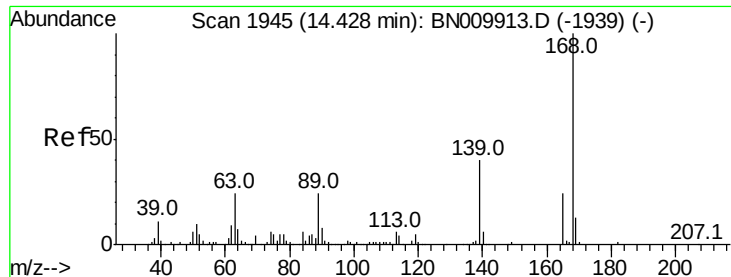
151 18.4 15.7 23.5

153 11.4 10.3 15.5



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





#54

Dibenzofuran

Concen: 1.609 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

Instrument :

BNA_N

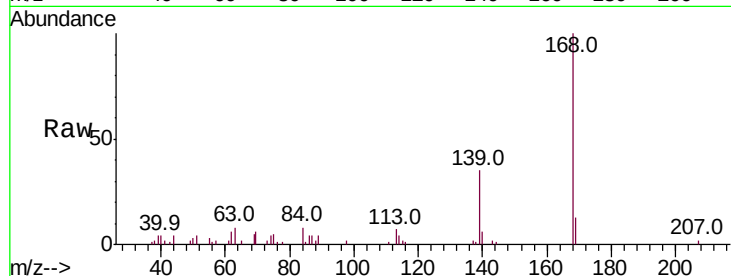
ClientSampleId :

Tot Ion:168 Resp: 43783

Ion Ratio Lower Upper

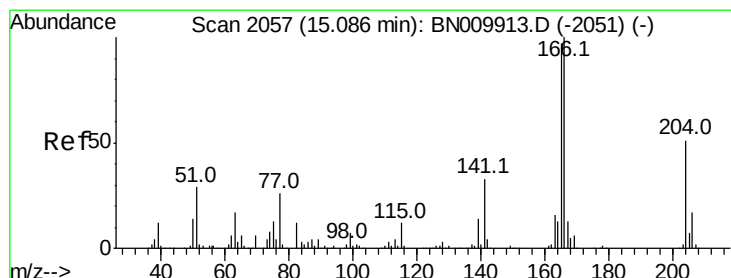
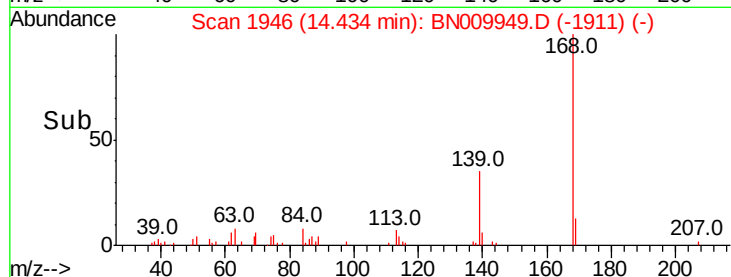
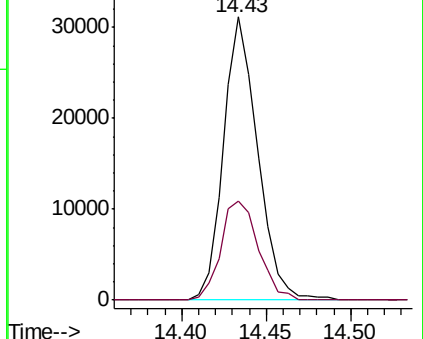
168 100

139 35.0 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 4.352 ng/ul

RT: 15.09 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

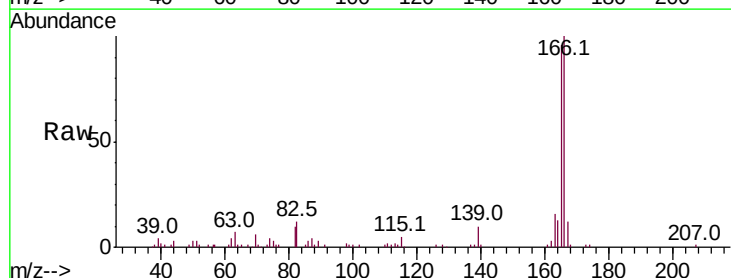
Tgt Ion:166 Resp: 99379

Ion Ratio Lower Upper

166 100

165 96.0 79.8 119.8

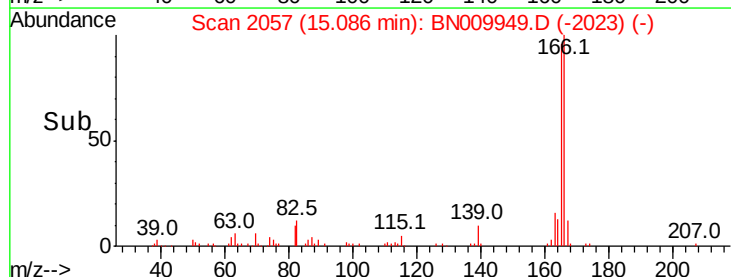
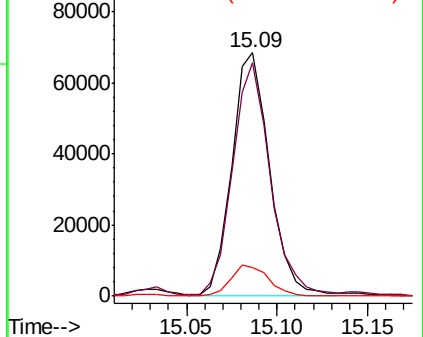
167 11.8 10.7 16.1

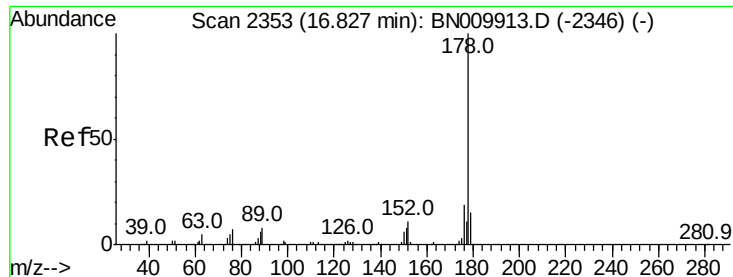


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 8.362 ng/ul

RT: 16.82 min Scan# 2352

Delta R.T. -0.01 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

Instrument :

BNA_N

ClientSampled :

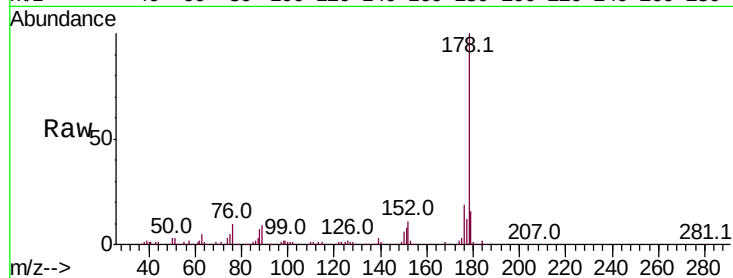
Tot Ion:178 Resp: 304392

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

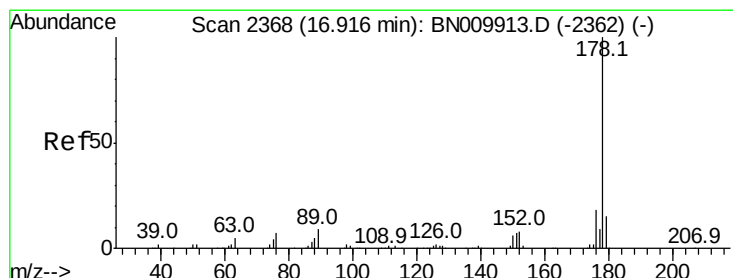
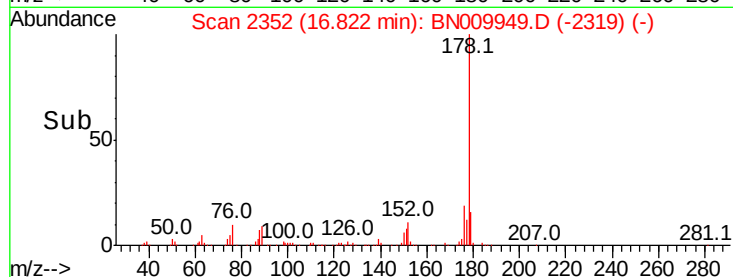
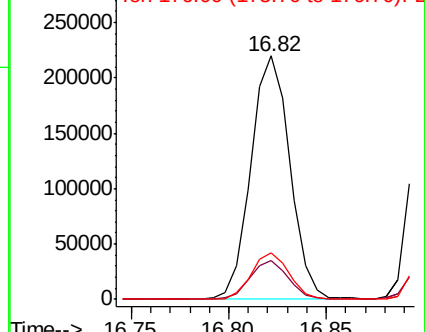
176 19.2 14.6 22.0



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



#72

Anthracene

Concen: 207.664 ng/ul

RT: 16.92 min Scan# 2369

Delta R.T. 0.01 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

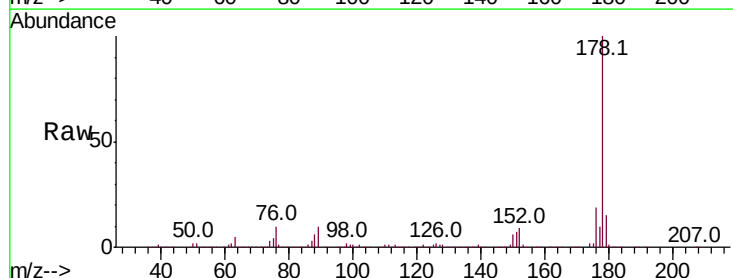
Tgt Ion:178 Resp: 7727870

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

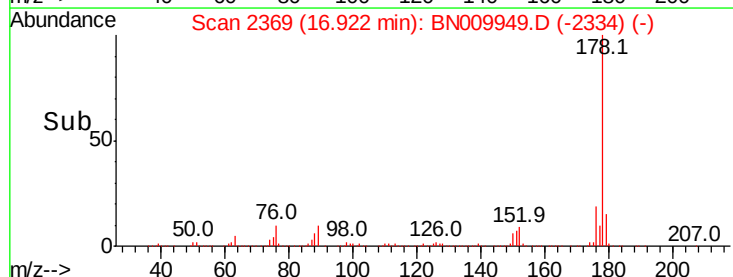
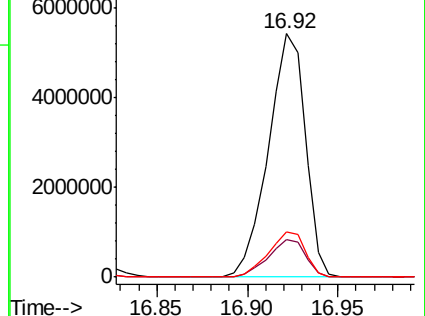
176 18.6 14.6 21.8

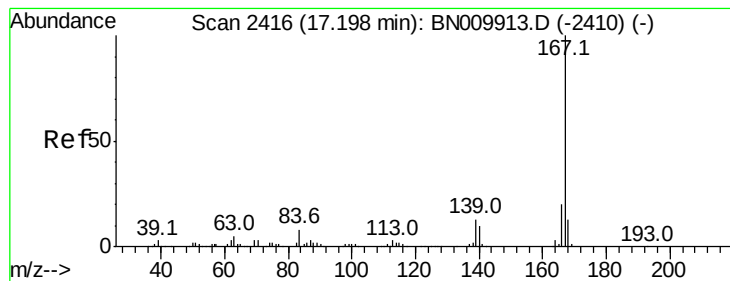


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 29.277 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

Instrument :

BNA_N

ClientSampleId :

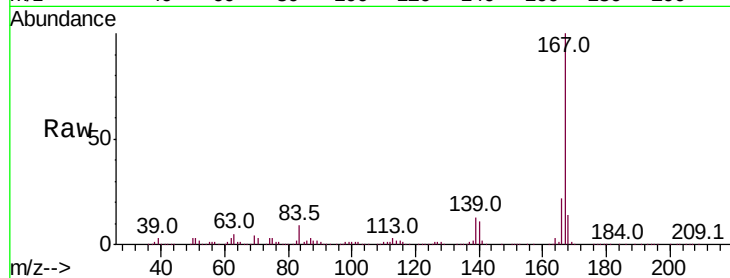
Tot Ion:167 Resp: 959428

Ion Ratio Lower Upper

167 100

166 21.8 16.6 24.8

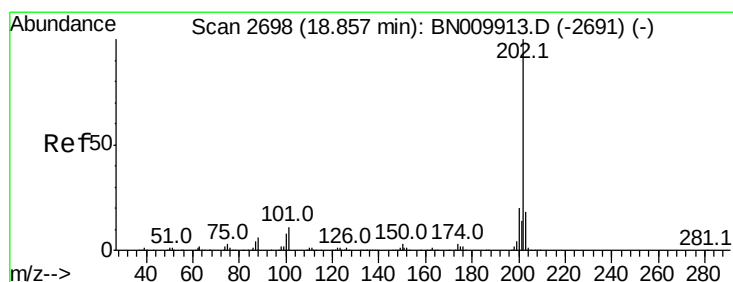
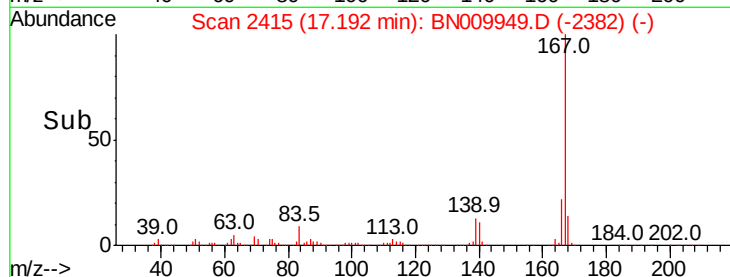
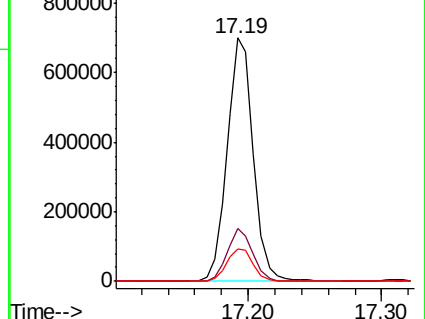
139 13.3 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 11.716 ng/ul

RT: 18.85 min Scan# 2697

Delta R.T. -0.01 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

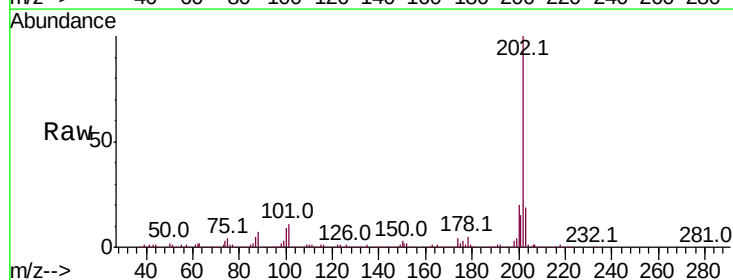
Tgt Ion:202 Resp: 499583

Ion Ratio Lower Upper

202 100

101 11.0 9.4 14.2

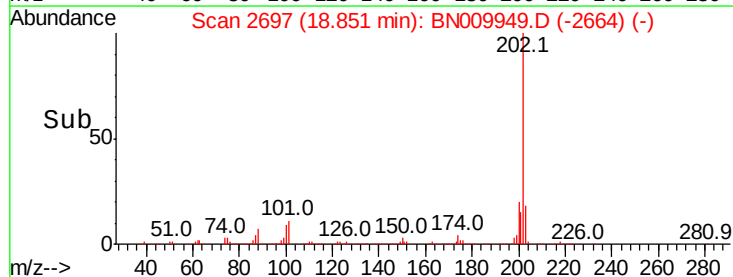
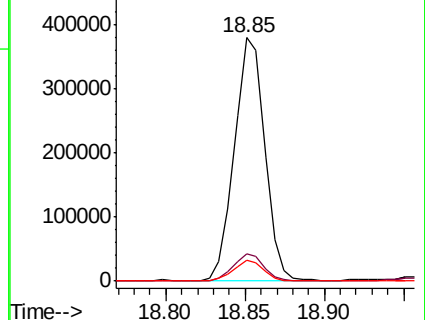
100 8.8 7.2 10.8

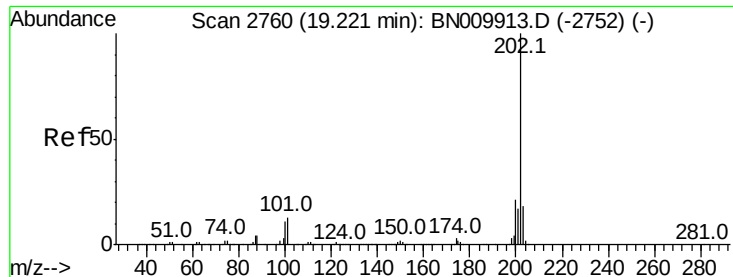


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

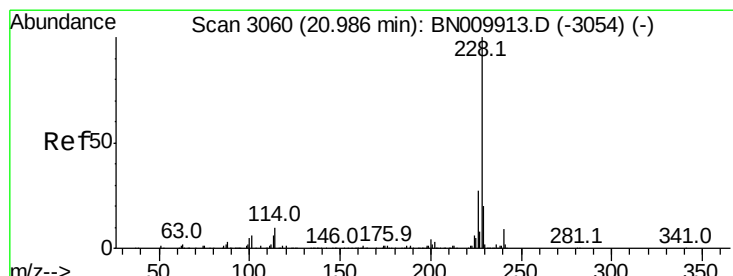
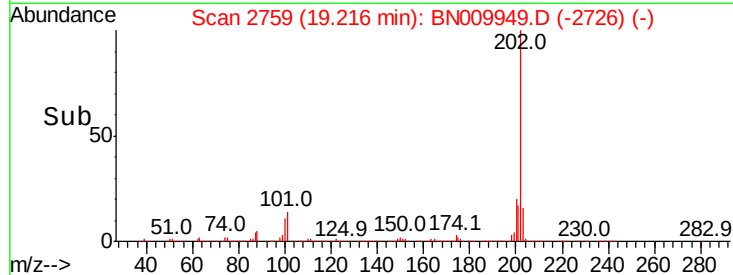
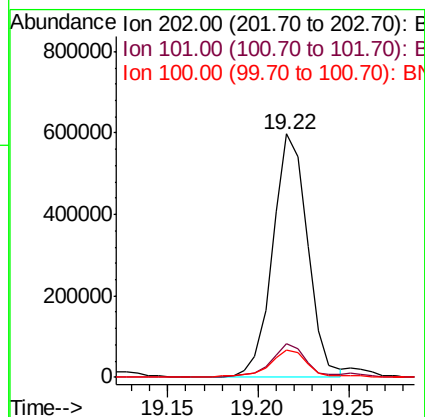
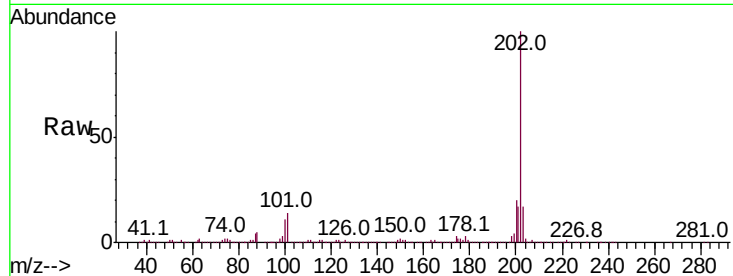




#80
Pvrene
Concen: 17.605 ng/ul
RT: 19.22 min Scan# 2759
Delta R.T. -0.01 min
Lab File: BN009949.D
Acq: 27 Feb 2020 04:19

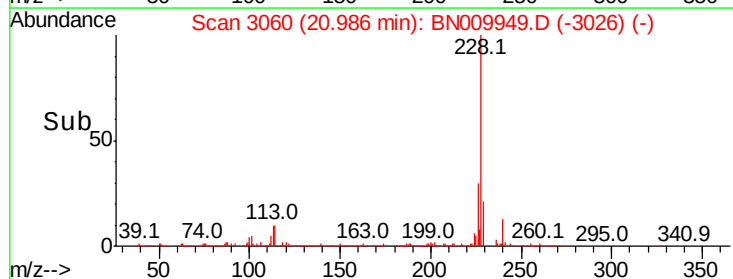
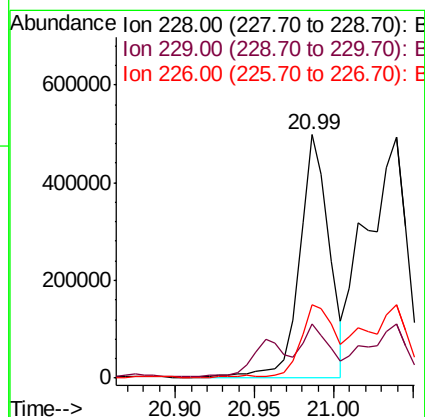
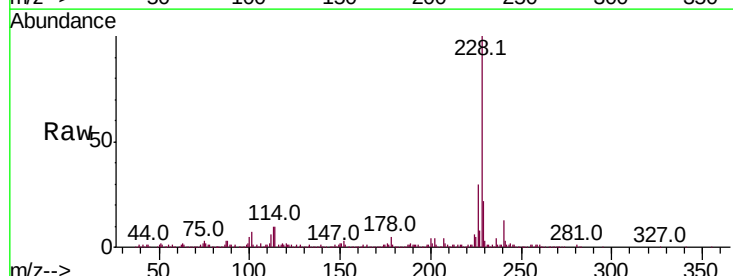
Instrument :
BNA_N
ClientSampleId :

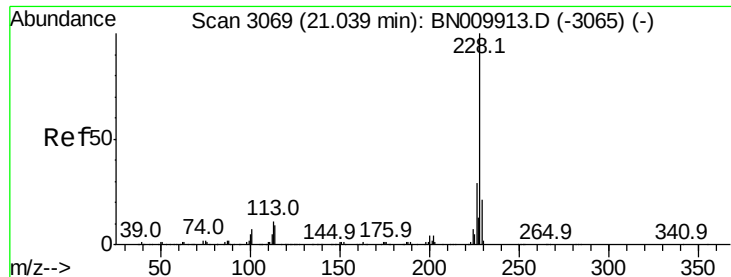
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.3	16.9
100	11.3	9.0	13.6



#83
Benzo(a)anthracene
Concen: 14.710 ng/ul
RT: 20.99 min Scan# 3060
Delta R.T. 0.00 min
Lab File: BN009949.D
Acq: 27 Feb 2020 04:19

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.0	22.4
226	30.0	21.4	32.2

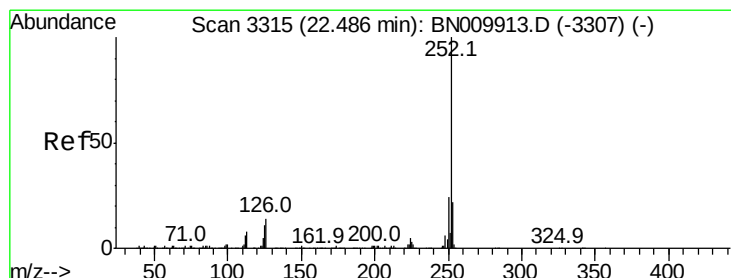
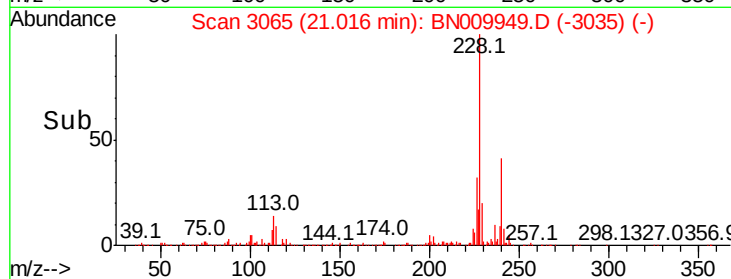
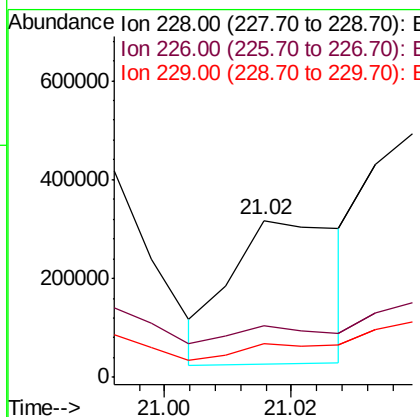
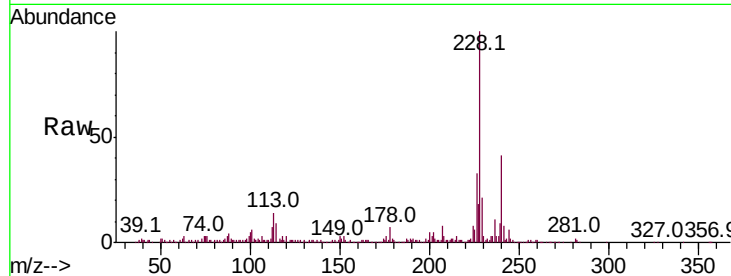




#85
Chrysene
Concen: 8.295 ng/ul
RT: 21.02 min Scan# 3065
Delta R.T. -0.02 min
Lab File: BN009949.D
Acq: 27 Feb 2020 04:19

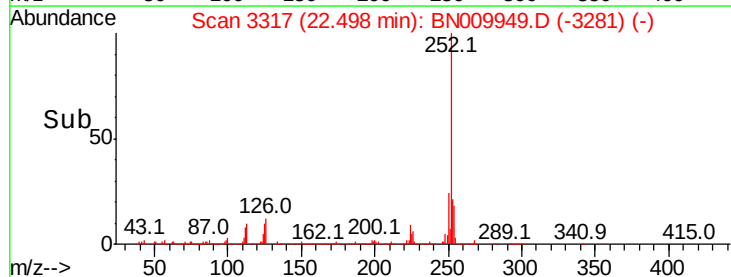
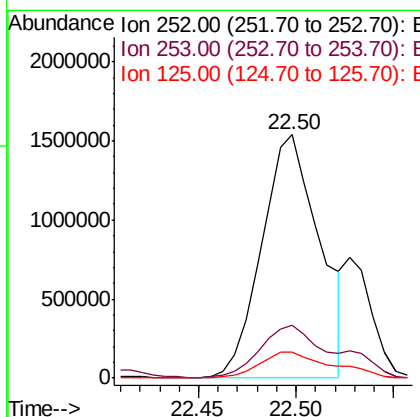
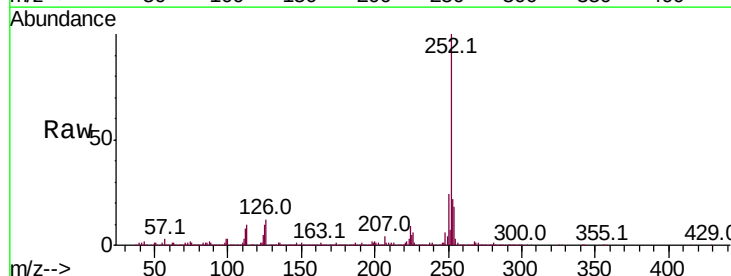
Instrument :
BNA_N
ClientSampleId :

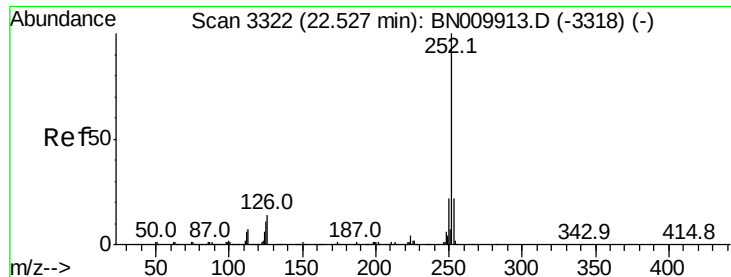
Tot Ion:228 Resp: 352412
Ion Ratio Lower Upper
228 100
226 32.6 23.4 35.2
229 21.2 15.0 22.4



#88
Benzo(b)fluoranthene
Concen: 75.040 ng/ul
RT: 22.50 min Scan# 3317
Delta R.T. 0.01 min
Lab File: BN009949.D
Acq: 27 Feb 2020 04:19

Tgt Ion:252 Resp: 3145732
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.4
125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 79.250 ng/ul

RT: 22.50 min Scan# 3317

Delta R.T. -0.03 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

Instrument :

BNA_N

ClientSampleId :

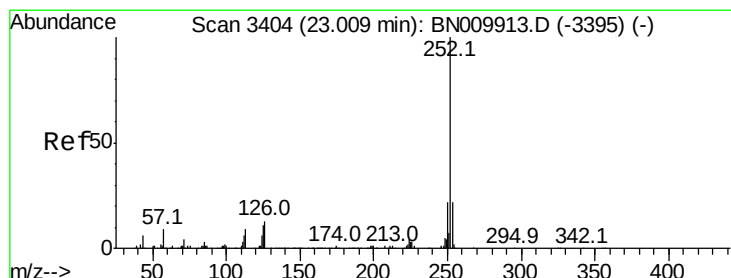
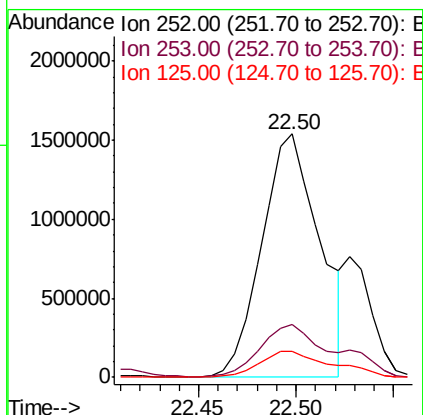
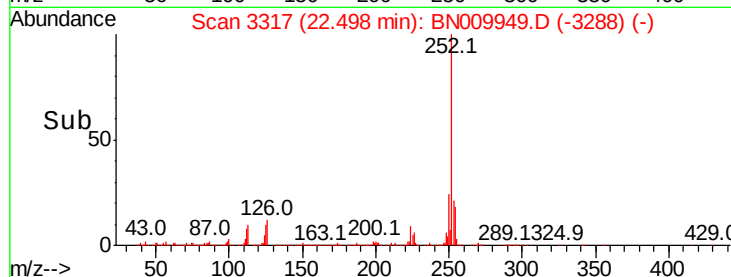
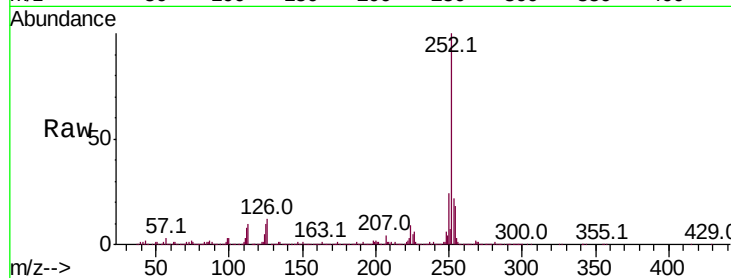
Tot Ion:252 Resp: 3145732

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

125 10.4 8.2 12.2



#91

Benzo(a)pyrene

Concen: 36.954 ng/ul

RT: 23.02 min Scan# 3405

Delta R.T. 0.01 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

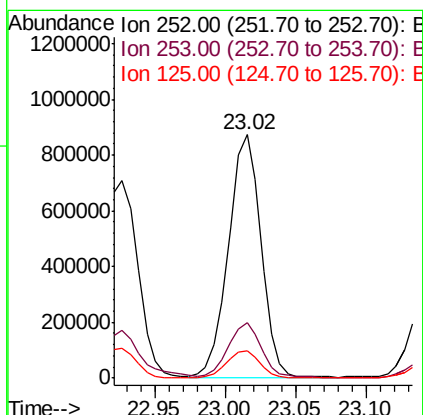
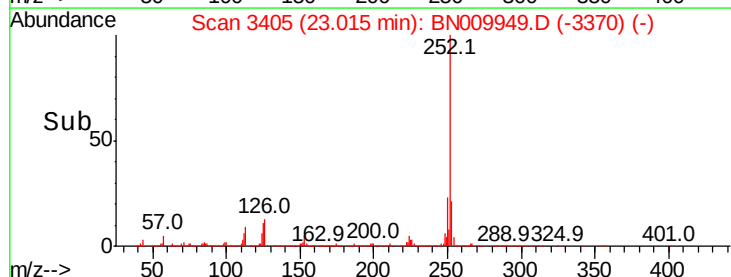
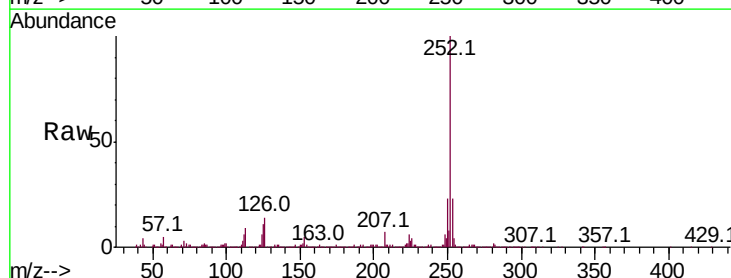
Tgt Ion:252 Resp: 1393290

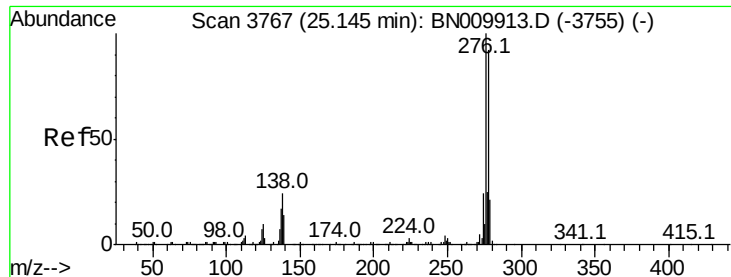
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 11.4 9.0 13.6



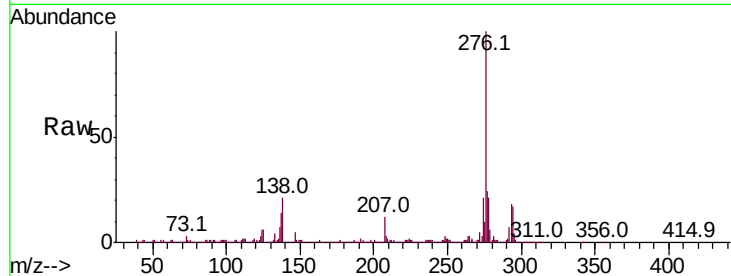


#92

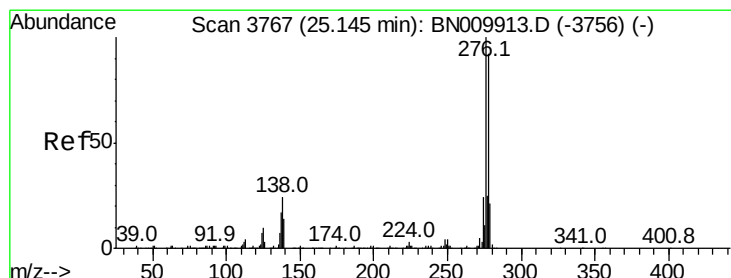
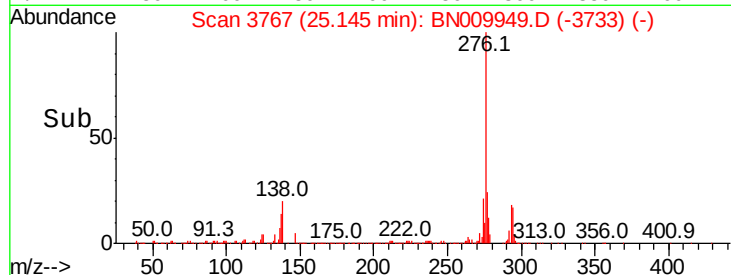
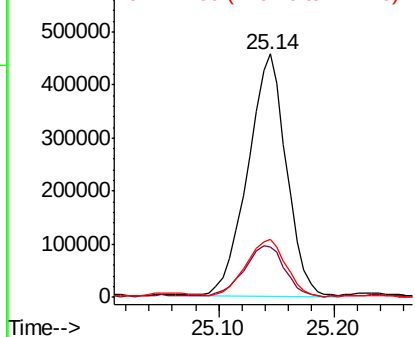
Indeno(1,2,3-cd)pyrene
Concen: 23.725 ng/ul
RT: 25.14 min Scan# 3767
Delta R.T. 0.00 min
Lab File: BN009949.D
Acq: 27 Feb 2020 04:19

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 1062035
Ion Ratio Lower Upper
276 100
138 20.8 20.9 31.3#
277 23.8 18.2 27.4



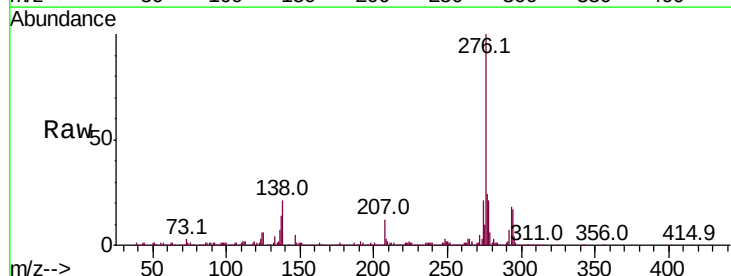
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



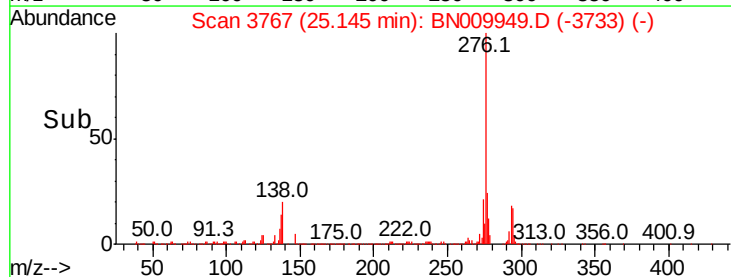
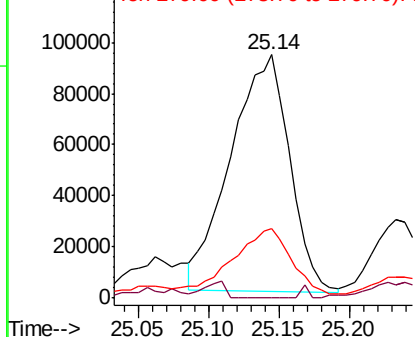
#93

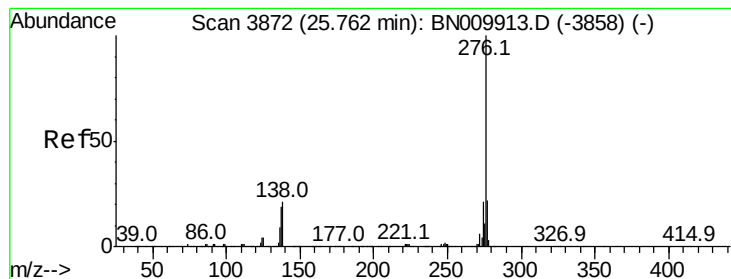
Dibenzo(a,h)anthracene
Concen: 7.041 ng/ul
RT: 25.14 min Scan# 3767
Delta R.T. 0.00 min
Lab File: BN009949.D
Acq: 27 Feb 2020 04:19

Tgt Ion:278 Resp: 269612
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.4#
279 28.5 17.5 26.3#



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





#94

Benzo(a,h,i)perylene

Concen: 16.886 ng/ul

RT: 25.76 min Scan# 3872

Delta R.T. 0.00 min

Lab File: BN009949.D

Acq: 27 Feb 2020 04:19

Instrument :

BNA_N

ClientSampleId :

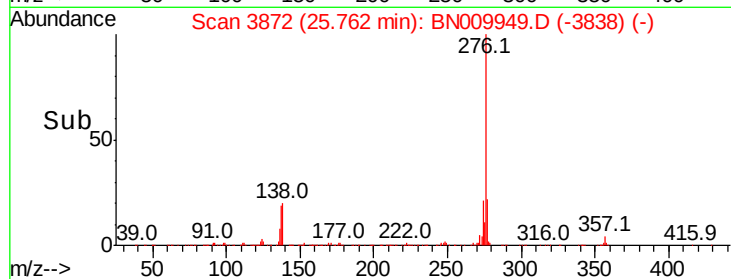
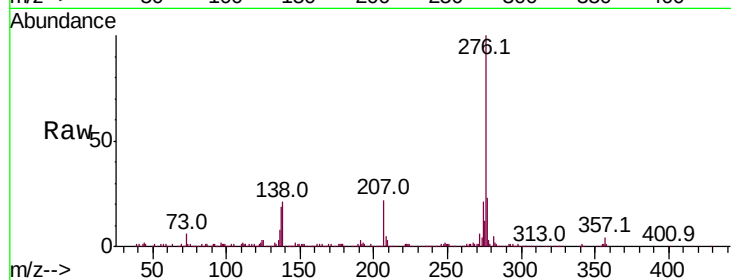
Tot Ion:276 Resp: 633807

Ion Ratio Lower Upper

276 100

138 20.5 17.5 26.3

277 22.8 18.1 27.1



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

