

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
 Data File : BN009553.D
 Acq On : 04 Feb 2020 05:57
 Operator : CG/JU
 Sample : L1271-17DL 25X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 04 06:28:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 04 02:55:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	156040	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	632791	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.08	164	402839	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	874439	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	850448	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	927677	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	7934	0.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	6146	0.67	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	7369	0.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	5847	0.54	ng/ul	0.01
19) Nitrobenzene-d5	8.59	128	2999	0.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	2739	0.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	6309	0.64	ng/ul	0.01
29) 4-Chloroaniline-d4	10.31	131	1993	0.19	ng/ul	-0.03
43) Dimethylphthalate-d6	13.50	166	25649	0.87	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	28012	0.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.30	143	1661	0.30	ng/ul	0.00
57) Fluorene-d10	15.08	176	24139	0.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	1608	0.29	ng/ul	0.01
70) Anthracene-d10	16.83	188	874439	22.01	ng/ul	-0.10
78) Pyrene-d10	19.23	212	40556	0.91	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	38767	0.85	ng/ul	0.00

Target Compounds

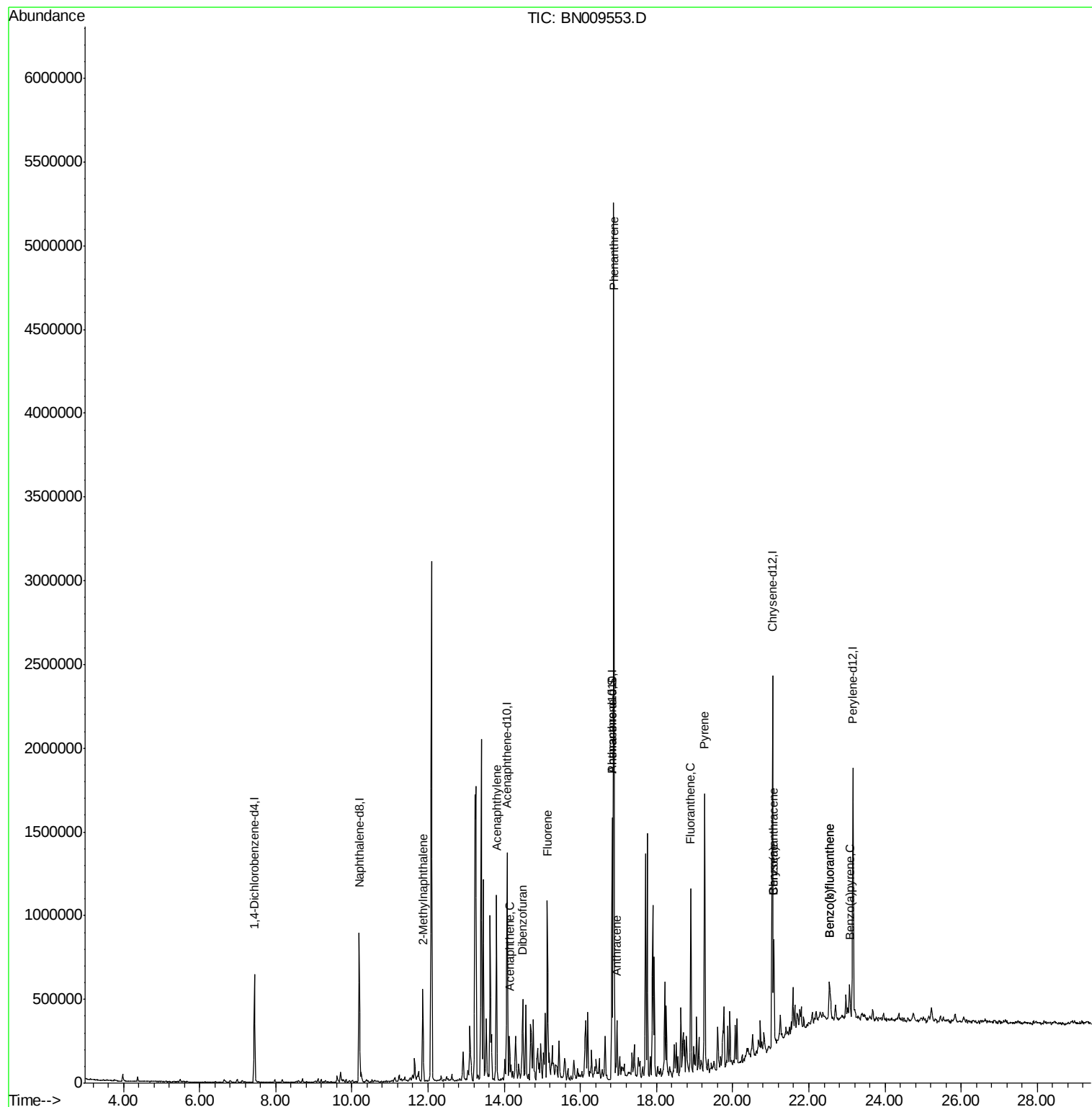
					Ovalue	
34) 2-Methylnaphthalene	11.86	142	244904	10.198	ng/ul	98
47) Acenaphthylene	13.79	152	528303	13.586	ng/ul	99
49) Acenaphthene	14.14	153	78227	2.959	ng/ul	98
53) Dibenzofuran	14.48	168	101883	2.768	ng/ul	95
58) Fluorene	15.13	166	463172	15.056	ng/ul	96
69) Phenanthrene	16.87	178	2809798	56.344	ng/ul	98
71) Anthracene	16.96	178	187443	3.704	ng/ul	98
76) Fluoranthene	18.90	202	586299	10.301	ng/ul	99
79) Pyrene	19.27	202	1005440	16.195	ng/ul	100
82) Benzo(a)anthracene	21.08	228	313799	5.344	ng/ul	97
84) Chrysene	21.08	228	317700	5.435	ng/ul	97
87) Benzo(b)fluoranthene	22.54	252	163226	2.812	ng/ul#	97
88) Benzo(k)fluoranthene	22.54	252	163226	2.856	ng/ul#	96
90) Benzo(a)pyrene	23.07	252	108873	2.025	ng/ul#	93

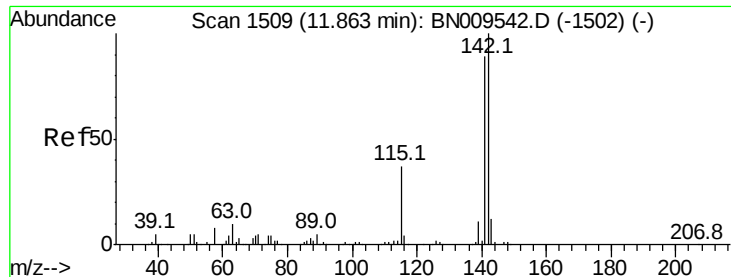
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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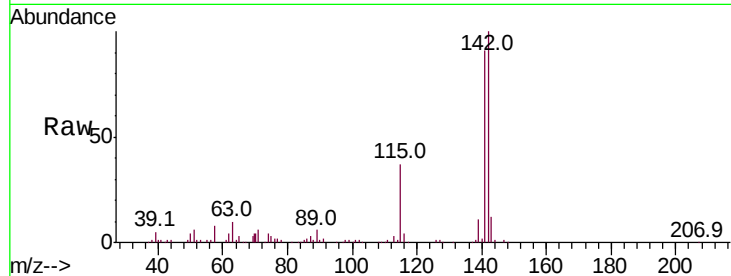




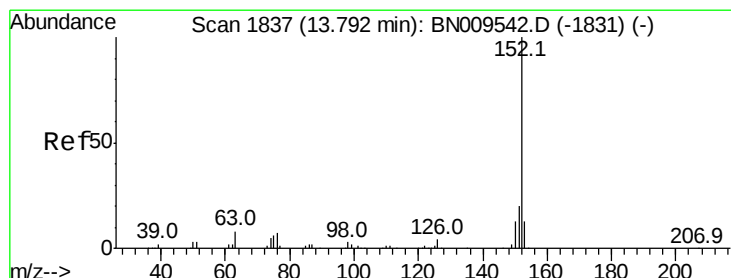
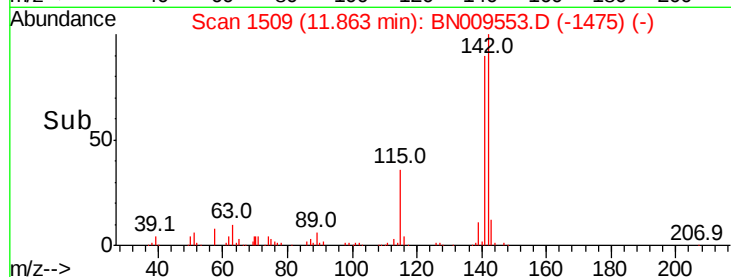
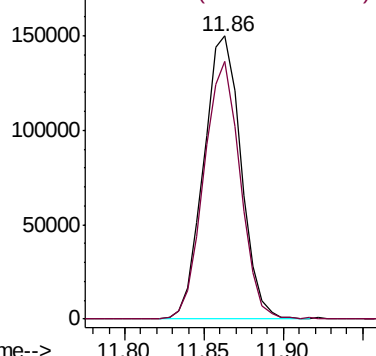
#34
2-Methylnaphthalene
Concen: 10.198 ng/ul
RT: 11.86 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BN009553.D
Acq: 04 Feb 2020 05:57

Instrument :
BNA_N
ClientSampleId :

Tot Ion:142 Resp: 244904
Ion Ratio Lower Upper
142 100
141 90.9 71.5 107.3

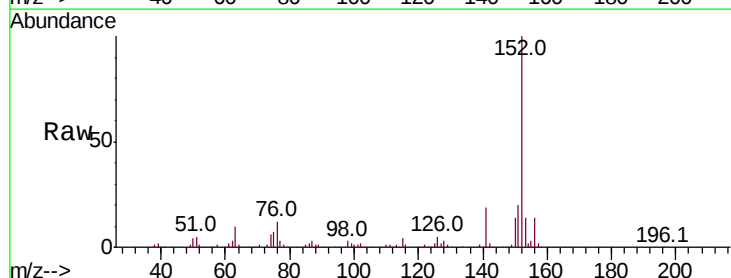


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

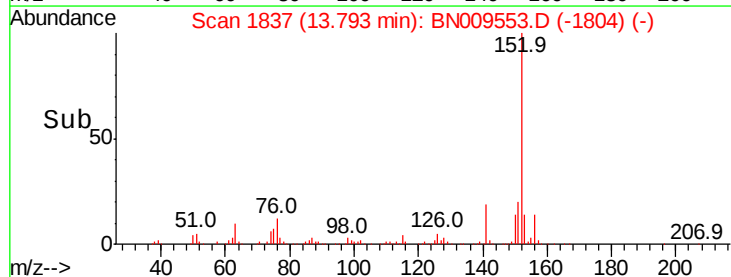
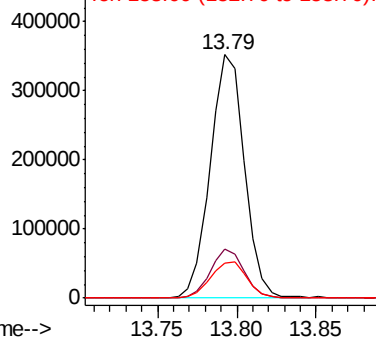


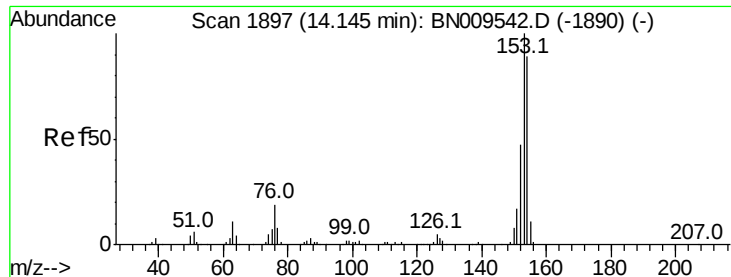
#47
Acenaphthylene
Concen: 13.586 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BN009553.D
Acq: 04 Feb 2020 05:57

Tgt Ion:152 Resp: 528303
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 14.3 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: 2.959 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN009553.D

Acq: 04 Feb 2020 05:57

Instrument :

BNA_N

ClientSampleId :

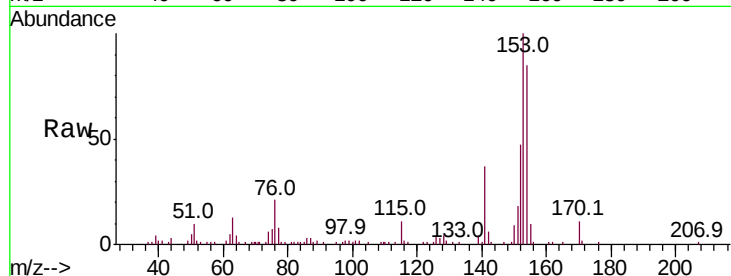
Tot Ion:153 Resp: 78227

Ion Ratio Lower Upper

153 100

152 46.8 37.3 55.9

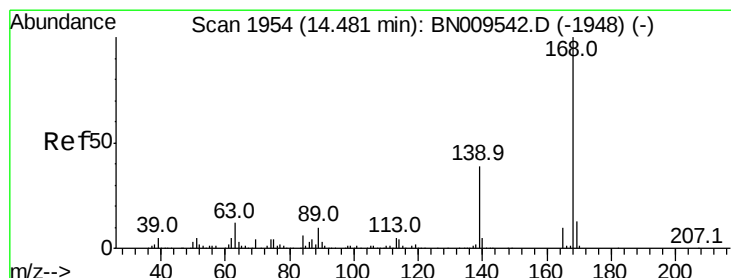
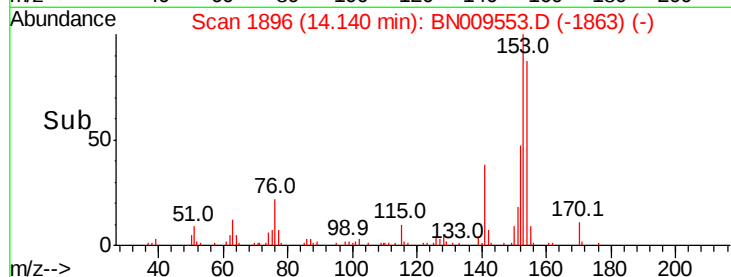
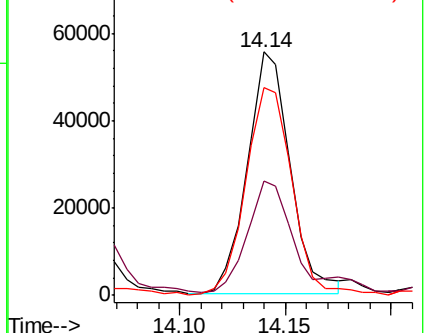
154 85.3 70.2 105.2



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: 2.768 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BN009553.D

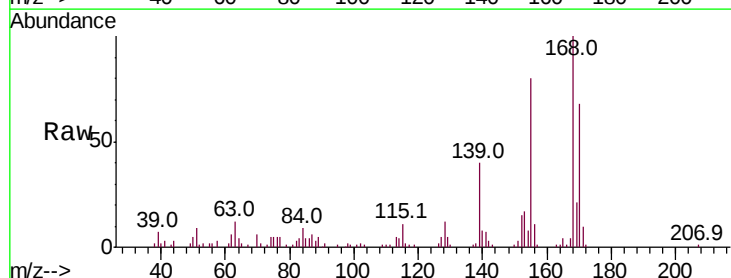
Acq: 04 Feb 2020 05:57

Tgt Ion:168 Resp: 101883

Ion Ratio Lower Upper

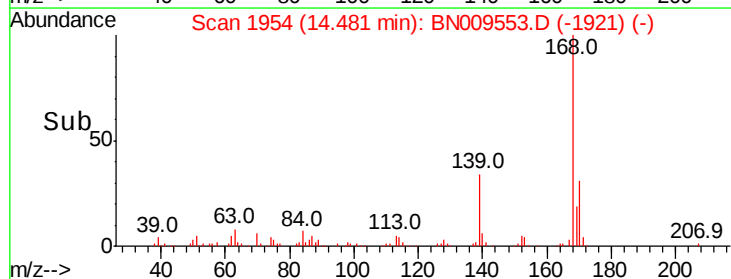
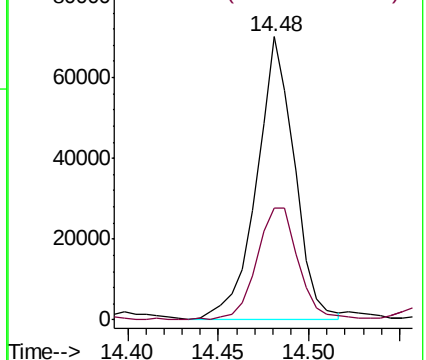
168 100

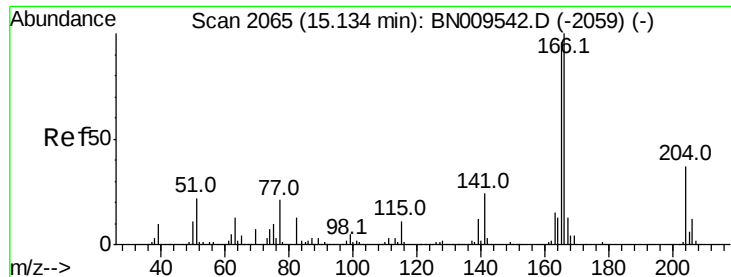
139 39.7 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 15.056 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN009553.D

Acq: 04 Feb 2020 05:57

Instrument :

BNA_N

ClientSampleId :

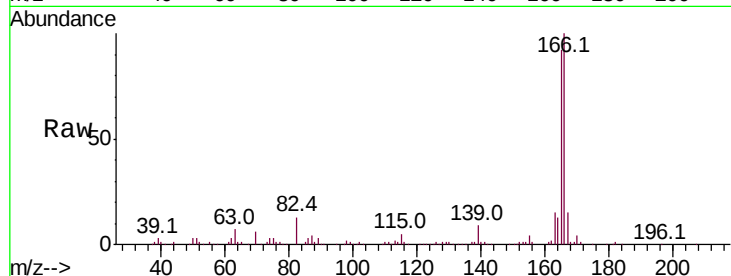
Tot Ion:166 Resp: 463172

Ion Ratio Lower Upper

166 100

165 91.6 76.7 115.1

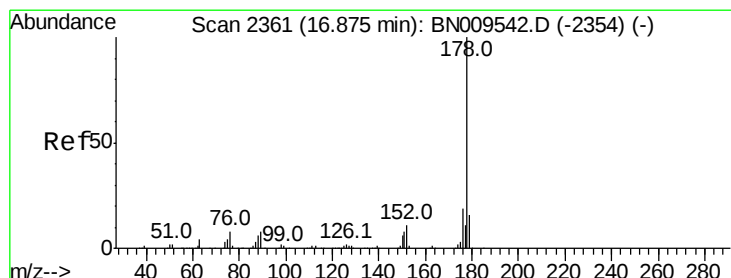
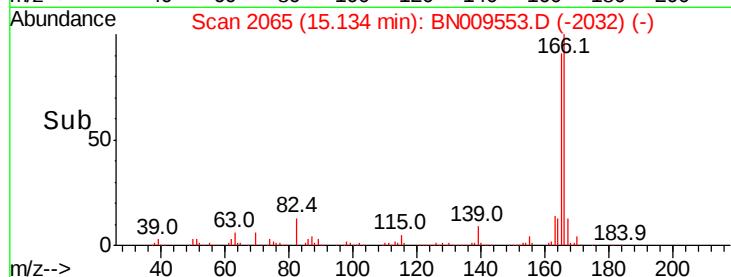
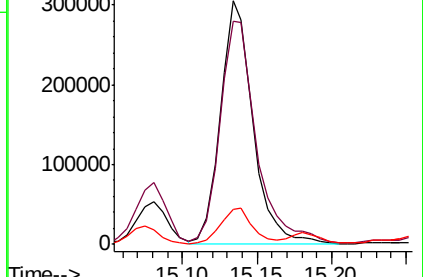
167 14.6 11.1 16.7



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: 56.344 ng/ul

RT: 16.87 min Scan# 2361

Delta R.T. 0.00 min

Lab File: BN009553.D

Acq: 04 Feb 2020 05:57

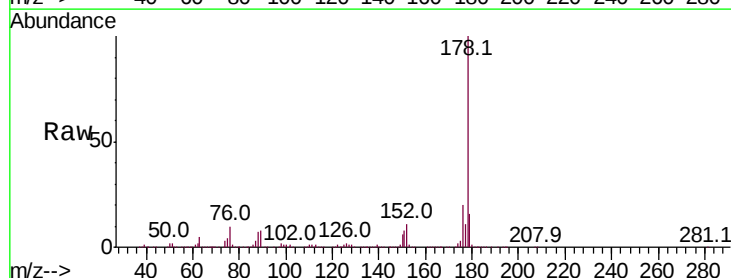
Tgt Ion:178 Resp: 2809798

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

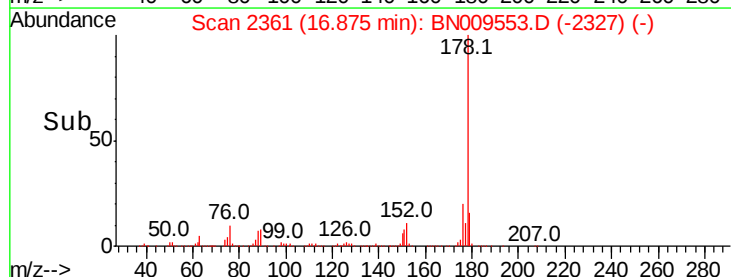
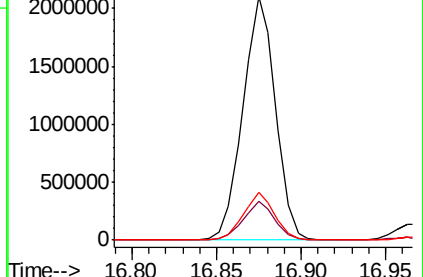
176 19.6 14.8 22.2

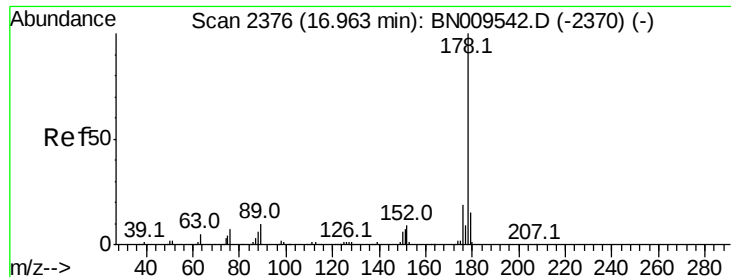


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

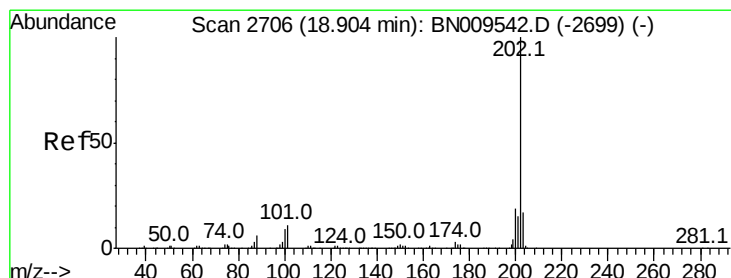
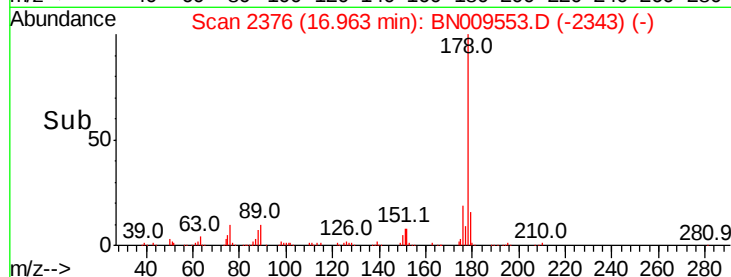
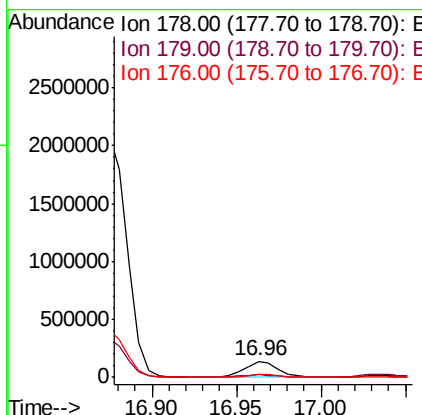
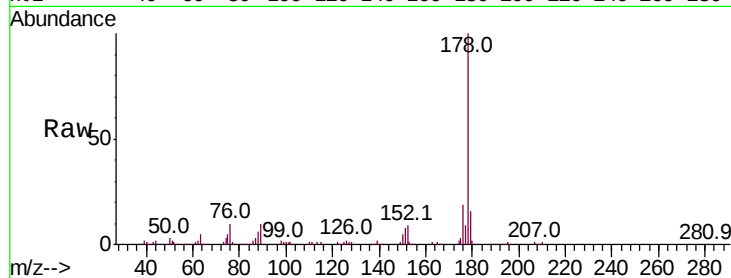




#71
 Anthracene
 Concen: 3.704 ng/ul
 RT: 16.96 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BN009553.D
 Acq: 04 Feb 2020 05:57

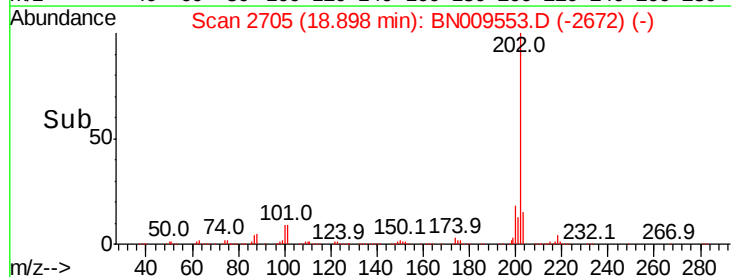
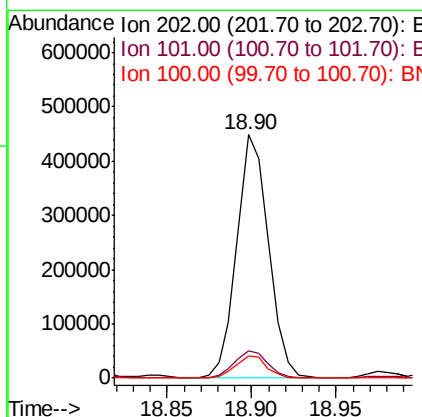
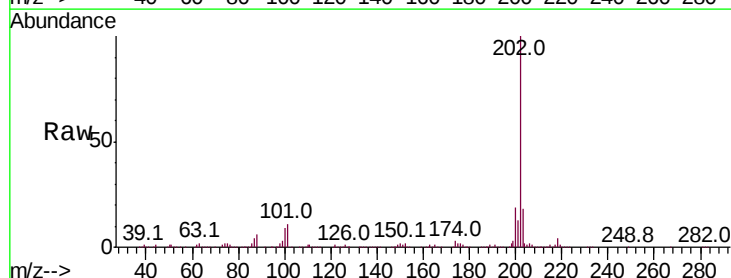
Instrument :
 BNA_N
 ClientSampleId :

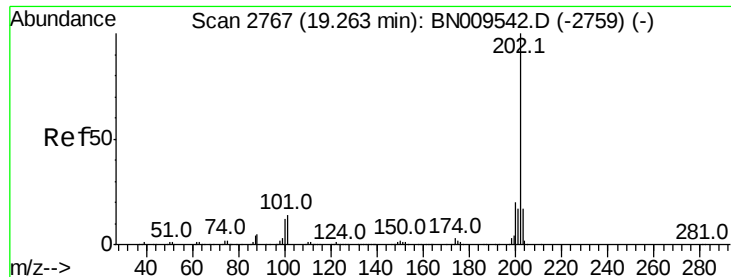
Tot Ion:178 Resp: 187443
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.1 18.1
 176 19.1 14.6 21.8



#76
 Fluoranthene
 Concen: 10.301 ng/ul
 RT: 18.90 min Scan# 2705
 Delta R.T. -0.01 min
 Lab File: BN009553.D
 Acq: 04 Feb 2020 05:57

Tgt Ion:202 Resp: 586299
 Ion Ratio Lower Upper
 202 100
 101 11.4 9.2 13.8
 100 9.0 6.9 10.3

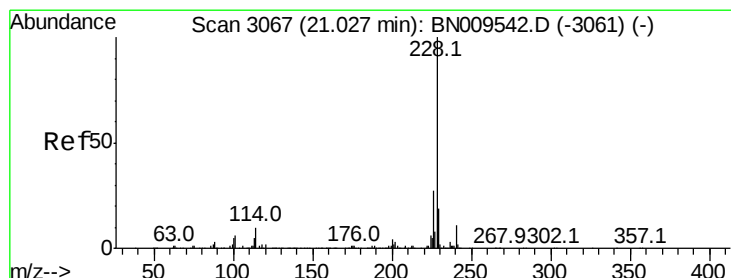
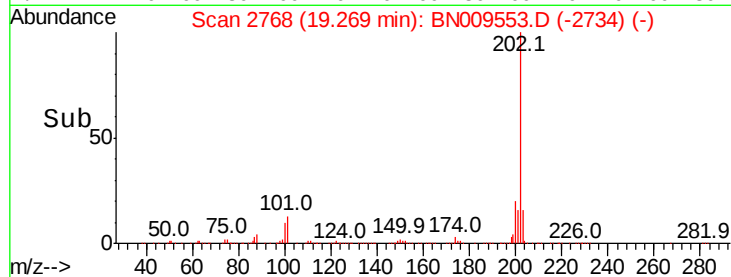
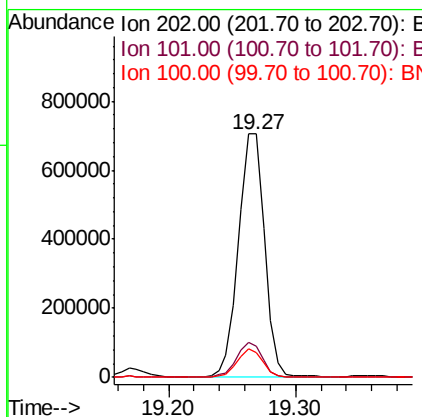
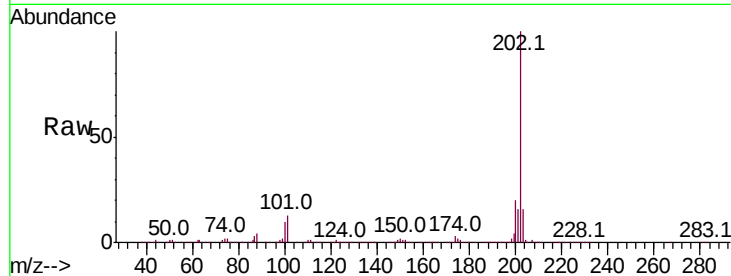




#79
Pvrene
Concen: 16.195 ng/ul
RT: 19.27 min Scan# 2768
Delta R.T. 0.00 min
Lab File: BN009553.D
Acq: 04 Feb 2020 05:57

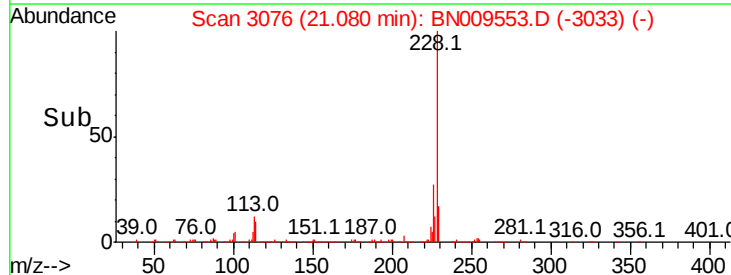
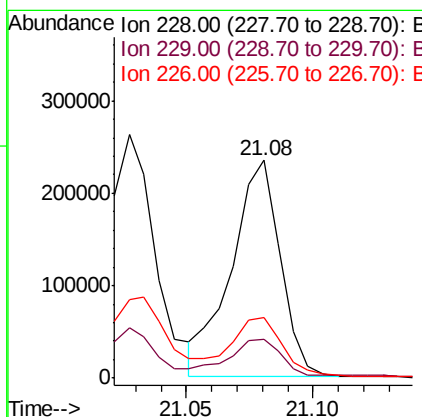
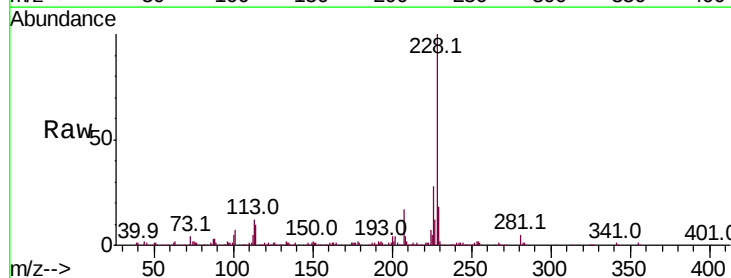
Instrument :
BNA_N
ClientSampleId :

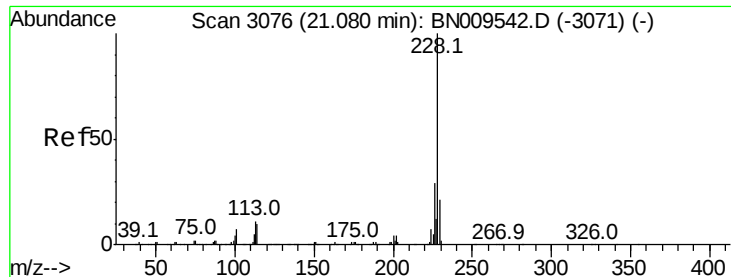
Tot Ion:202 Resp: 1005440
Ion Ratio Lower Upper
202 100
101 12.9 10.3 15.5
100 10.3 8.4 12.6



#82
Benzo(a)anthracene
Concen: 5.344 ng/ul
RT: 21.08 min Scan# 3076
Delta R.T. 0.05 min
Lab File: BN009553.D
Acq: 04 Feb 2020 05:57

Tgt Ion:228 Resp: 313799
Ion Ratio Lower Upper
228 100
229 17.7 15.0 22.4
226 27.9 20.9 31.3





#84

Chrysene

Concen: 5.435 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN009553.D

Acq: 04 Feb 2020 05:57

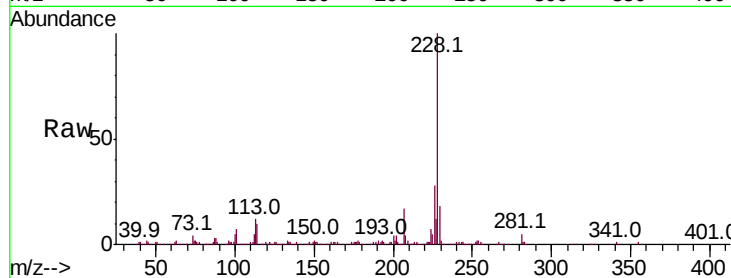
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 317700

Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.5	35.3
229	17.7	15.8	23.8

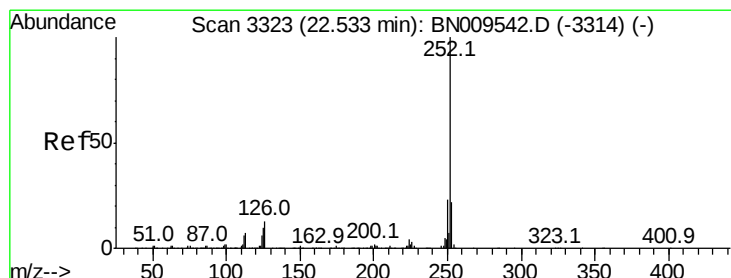
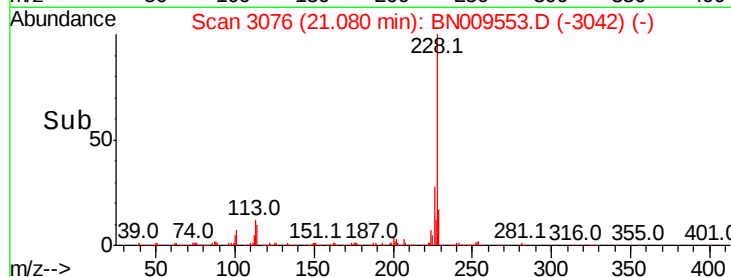
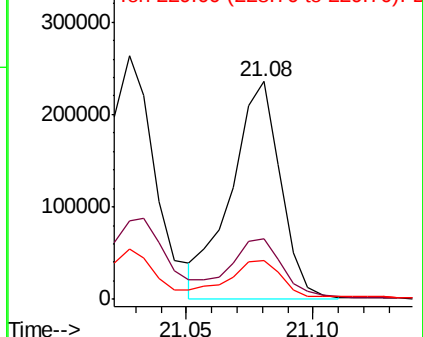


Abundance

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: 2.812 ng/ul

RT: 22.54 min Scan# 3324

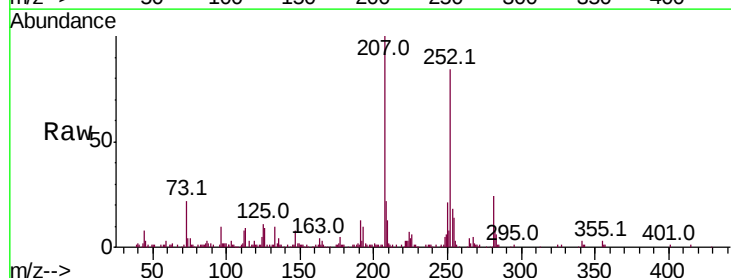
Delta R.T. 0.01 min

Lab File: BN009553.D

Acq: 04 Feb 2020 05:57

Tgt Ion:252 Resp: 163226

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	13.1	8.2	12.2

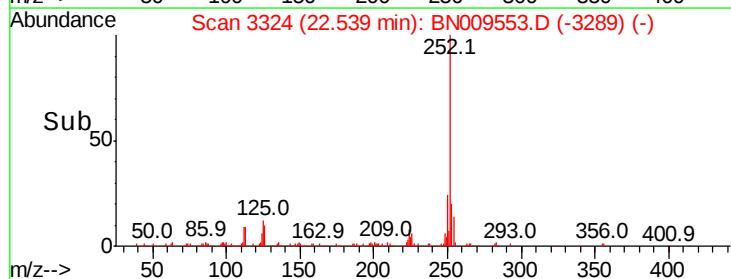
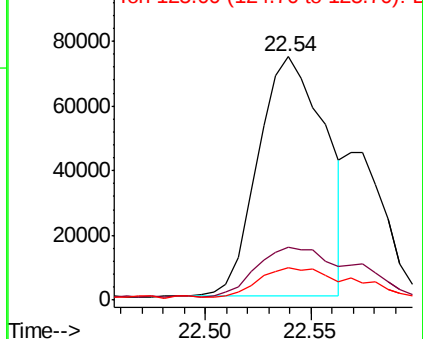


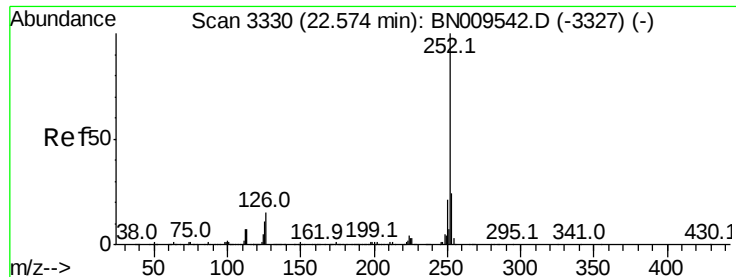
Abundance

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

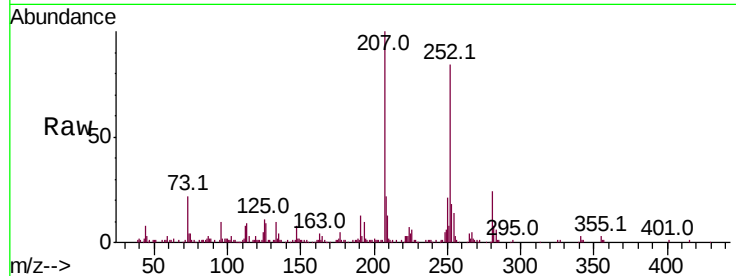




#88
Benzo(k)fluoranthene
Concen: 2.856 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. -0.04 min
Lab File: BN009553.D
Acq: 04 Feb 2020 05:57

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	13.1	8.0	12.0

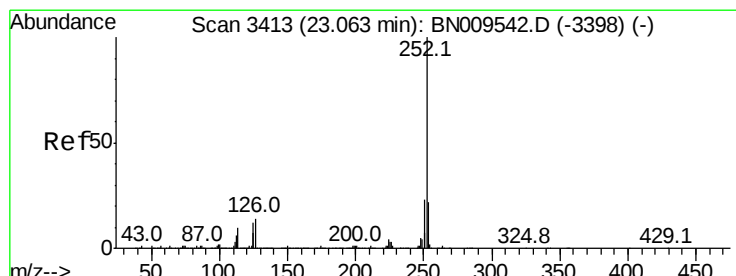
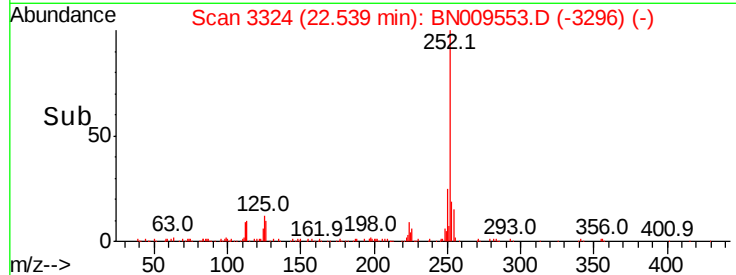
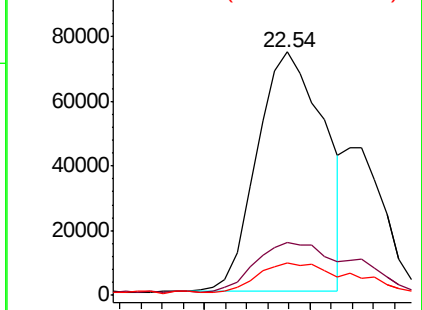


Abundance

Ion 252.00 (251.70 to 252.70): E

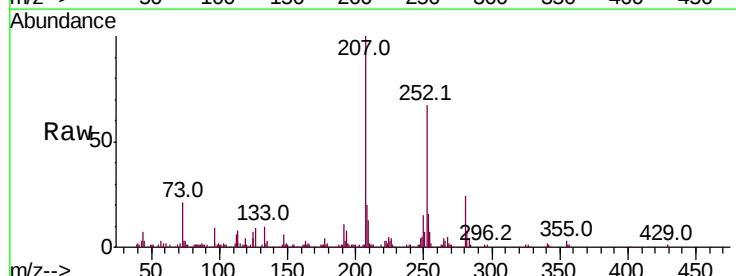
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.025 ng/ul
RT: 23.07 min Scan# 3414
Delta R.T. 0.00 min
Lab File: BN009553.D
Acq: 04 Feb 2020 05:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	15.8	23.8
125	10.1	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

