

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041620\
 Data File : BN010532.D
 Acq On : 17 Apr 2020 00:41
 Operator : CG/JU
 Sample : L2191-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB7A3

Quant Time: Apr 17 02:18:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 16 10:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	530010	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2289399	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	1484873	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	3256080	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	3166037	20.00	ng/ul	0.00
86) Perylene-d12	23.34	264	2877384	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	70516	6.96	ng/uL	0.00
5) Phenol-d5	6.78	99	1536826	36.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	818682	38.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	1319626	36.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	1244489	35.27	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	686614	38.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	761632	38.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	1385900	35.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	1403577	31.76	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	4273165	38.79	ng/ul	0.00
47) Acenaphthylene-d8	13.91	160	5229585	38.63	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	741551	34.57	ng/ul	0.00
58) Fluorene-d10	15.22	176	3769902	38.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.35	200	620814	36.50	ng/ul	0.00
71) Anthracene-d10	17.07	188	5679234	37.66	ng/ul	0.00
79) Pyrene-d10	19.37	212	6716943	37.58	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.21	264	5864737	39.29	ng/ul	0.00

Target Compounds

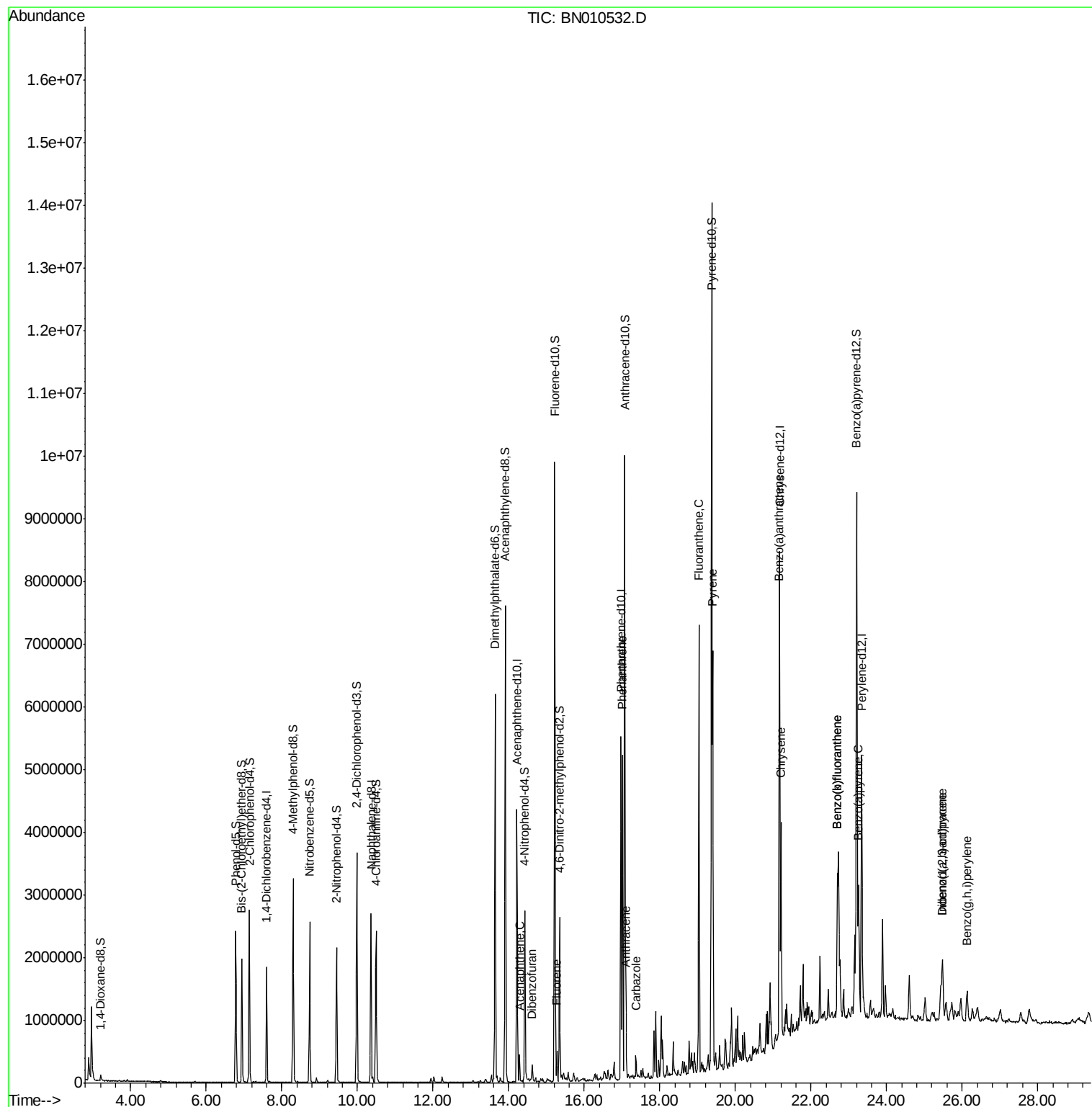
					Ovalue	
50) Acenaphthene	14.29	153	164822	1.686	ng/ul	96
54) Dibenzofuran	14.62	168	146660	1.072	ng/ul	98
59) Fluorene	15.27	166	184062	1.641	ng/ul	98
70) Phenanthrene	17.02	178	3159521	17.473	ng/ul	98
72) Anthracene	17.10	178	587688	3.206	ng/ul	99
75) Carbazole	17.37	167	214250	1.423	ng/ul	99
77) Fluoranthene	19.03	202	4322897	22.003	ng/ul	97
80) Pyrene	19.40	202	3896075	17.032	ng/ul	99
83) Benzo(a)anthracene	21.16	228	1970807	8.973	ng/ul	98
85) Chrysene	21.21	228	1862420	9.019	ng/ul	98
88) Benzo(b)fluoranthene	22.70	252	2002225	10.664	ng/ul	97
89) Benzo(k)fluoranthene	22.70	252	2002225	10.748	ng/ul	98
91) Benzo(a)pyrene	23.25	252	1313542	7.874	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.48	276	833380	4.438	ng/ul	97
93) Dibenzo(a,h)anthracene	25.49	278	229457	1.455	ng/ul#	85
94) Benzo(g,h,i)perylene	26.13	276	561916	3.616	ng/ul	95

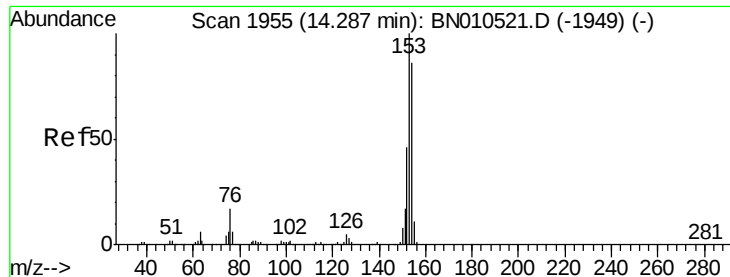
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#50

Acenaphthene

Concen: 1.686 ng/ul

RT: 14.29 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BN010532.D

Acq: 17 Apr 2020 00:41

Instrument :

BNA_N

ClientSampleId :

CB7A3

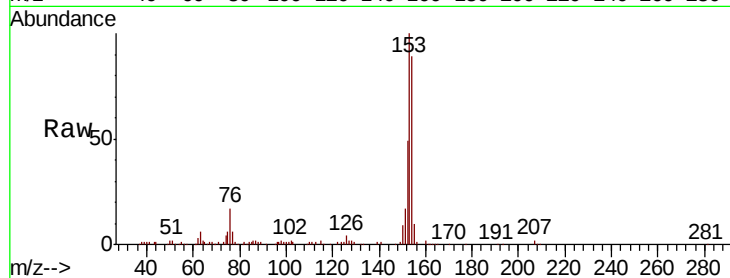
Tot Ion:153 Resp: 164822

Ion Ratio Lower Upper

153 100

152 49.1 36.8 55.2

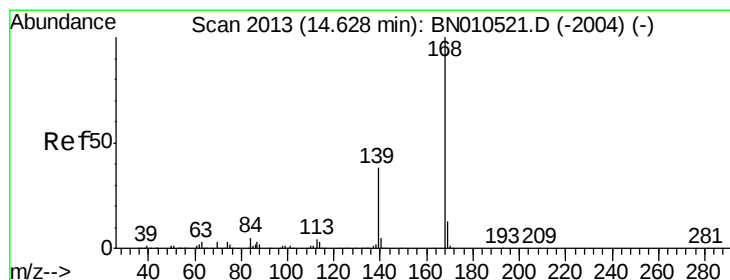
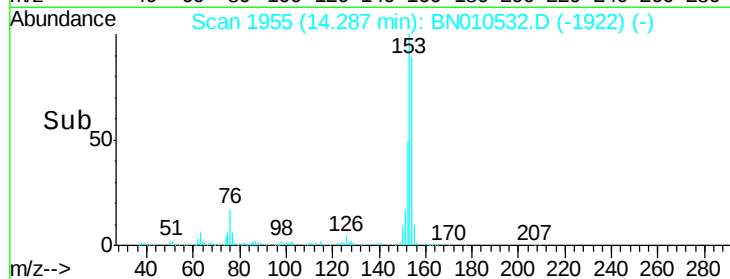
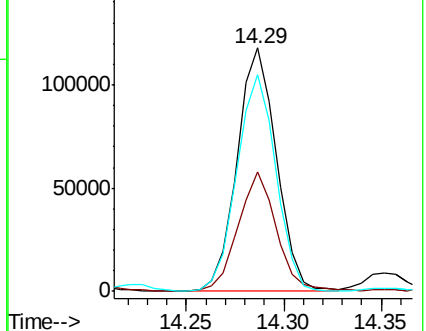
154 88.9 68.2 102.2



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



#54

Dibenzofuran

Concen: 1.072 ng/ul

RT: 14.62 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BN010532.D

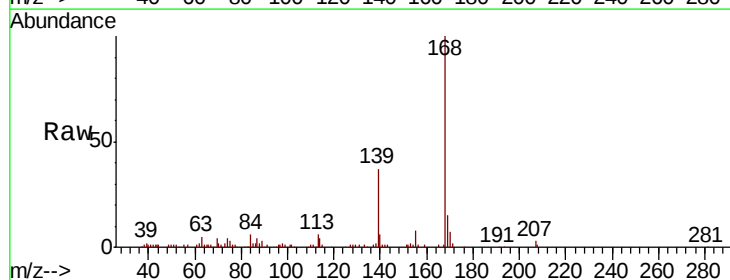
Acq: 17 Apr 2020 00:41

Tgt Ion:168 Resp: 146660

Ion Ratio Lower Upper

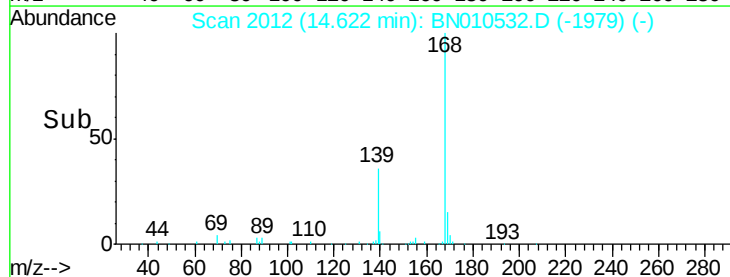
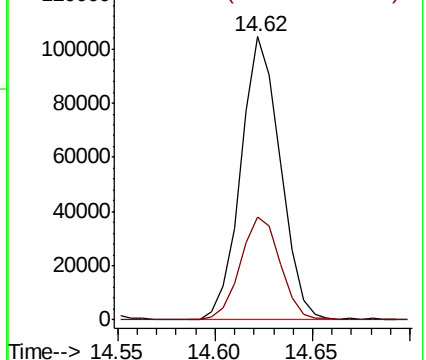
168 100

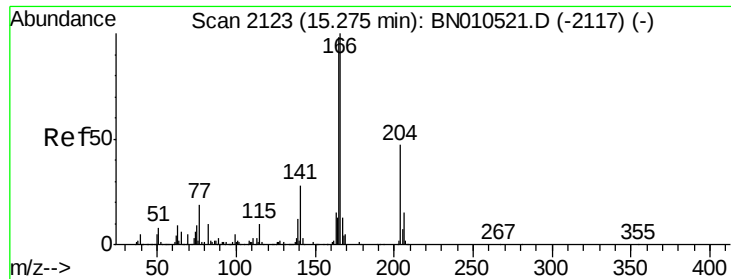
139 36.5 30.2 45.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

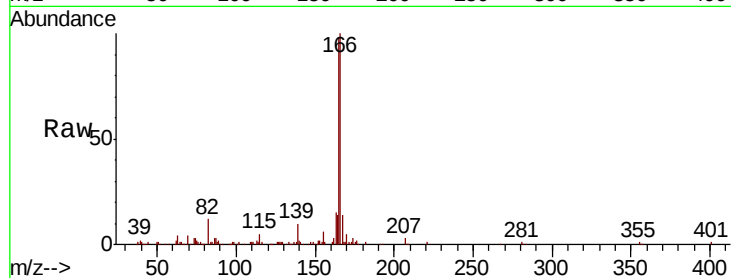




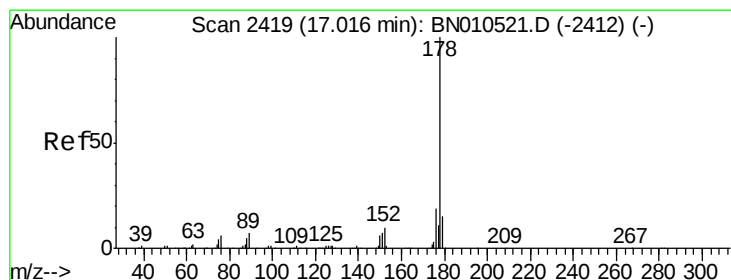
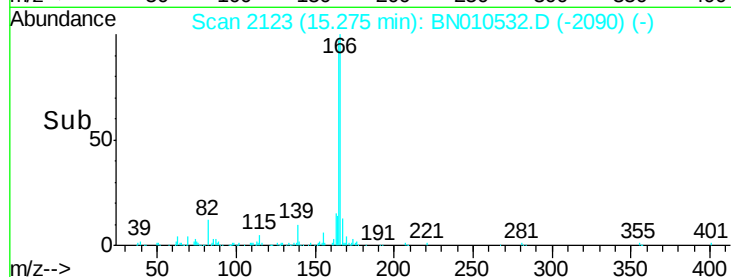
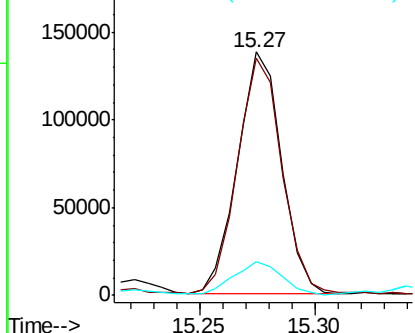
#59
Fluorene
 Concen: 1.641 ng/ul
 RT: 15.27 min Scan# 2123
 Delta R.T. -0.01 min
 Lab File: BN010532.D
 Acq: 17 Apr 2020 00:41

Instrument :
 BNA_N
 ClientSampleId :
 CB7A3

Tot Ion:166 Resp: 184062
 Ion Ratio Lower Upper
 166 100
 165 97.5 75.9 113.9
 167 13.7 11.2 16.8

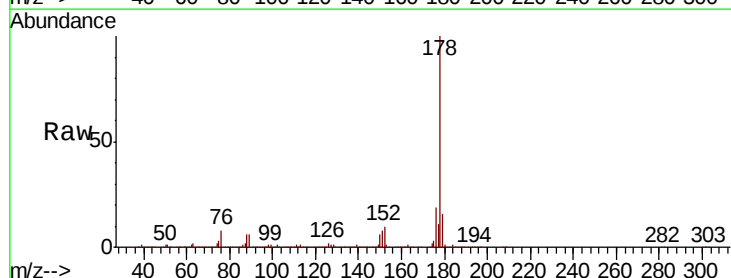


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

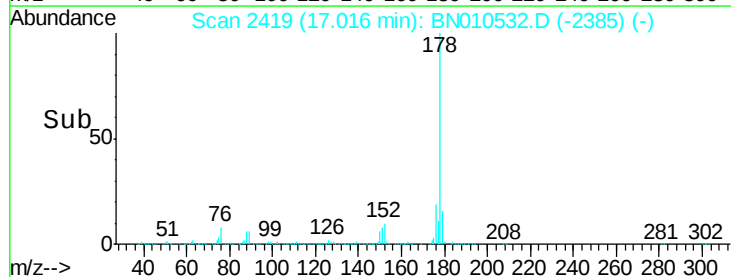
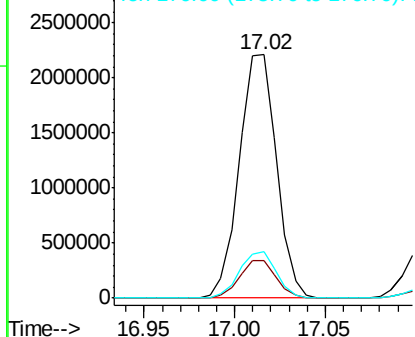


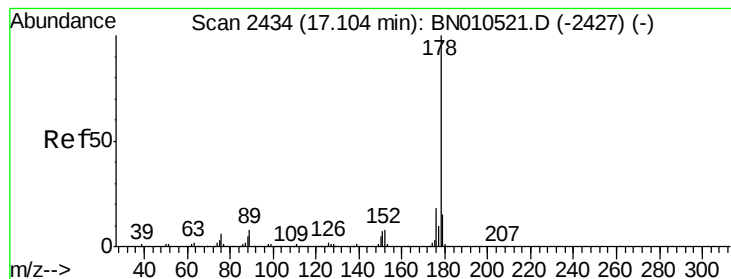
#70
Phenanthrene
 Concen: 17.473 ng/ul
 RT: 17.02 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BN010532.D
 Acq: 17 Apr 2020 00:41

Tgt Ion:178 Resp: 3159521
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.4 17.2
 176 19.3 15.3 22.9



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: 3.206 ng/ul

RT: 17.10 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BN010532.D

Acq: 17 Apr 2020 00:41

Instrument :

BNA_N

ClientSampled :

CB7A3

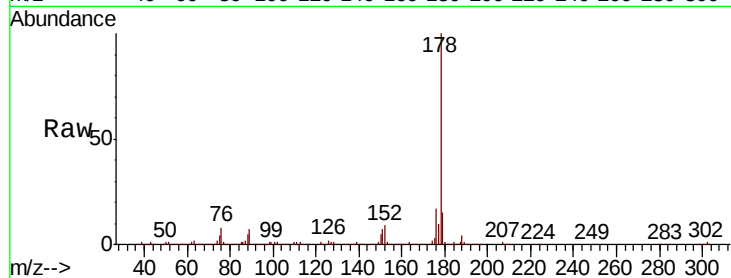
Tot Ion:178 Resp: 587688

Ion Ratio Lower Upper

178 100

179 14.8 12.3 18.5

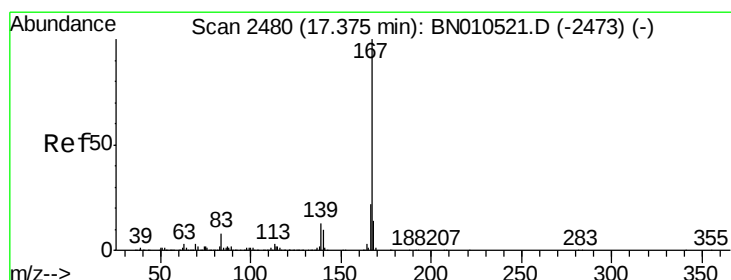
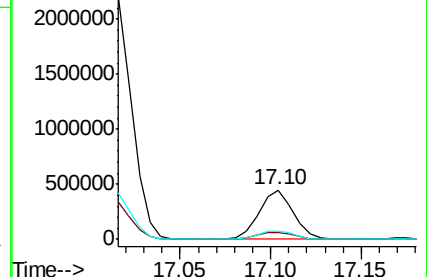
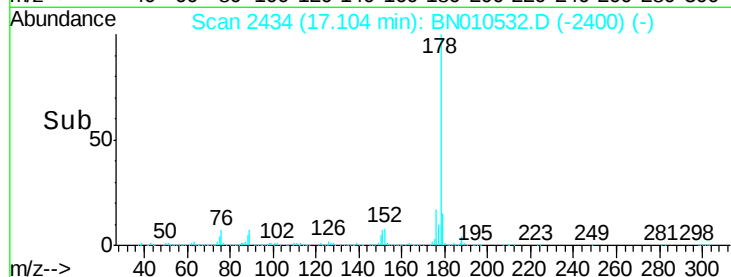
176 17.5 14.2 21.4



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: 1.423 ng/ul

RT: 17.37 min Scan# 2479

Delta R.T. -0.01 min

Lab File: BN010532.D

Acq: 17 Apr 2020 00:41

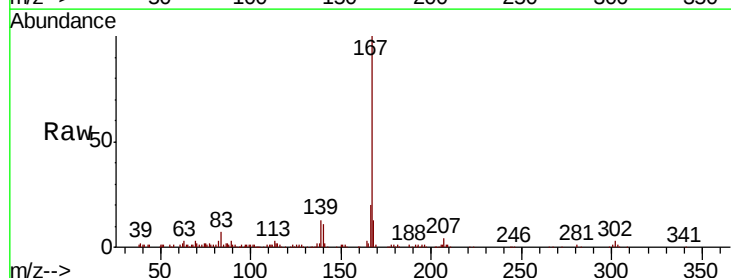
Tgt Ion:167 Resp: 214250

Ion Ratio Lower Upper

167 100

166 20.4 16.8 25.2

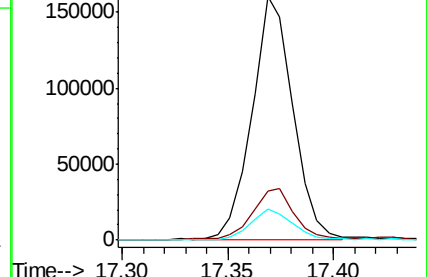
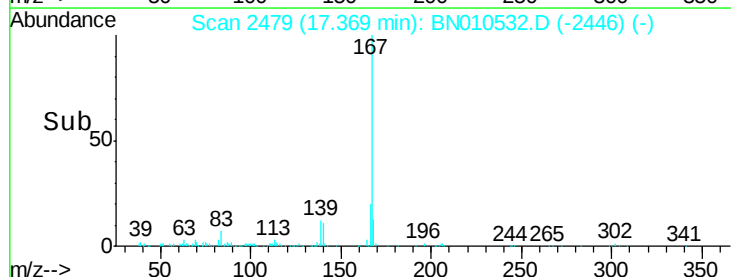
139 13.0 10.1 15.1

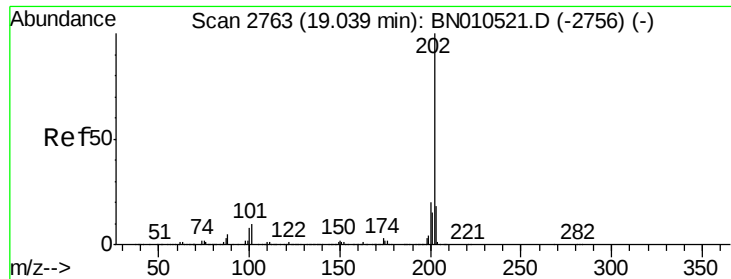


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

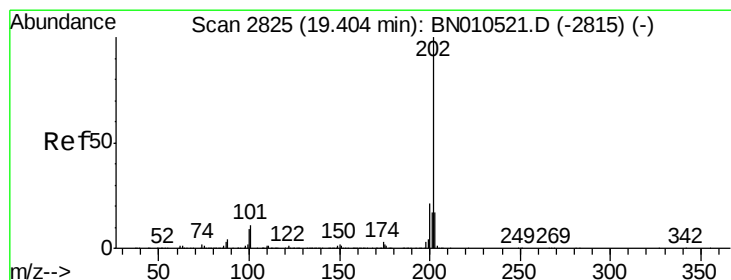
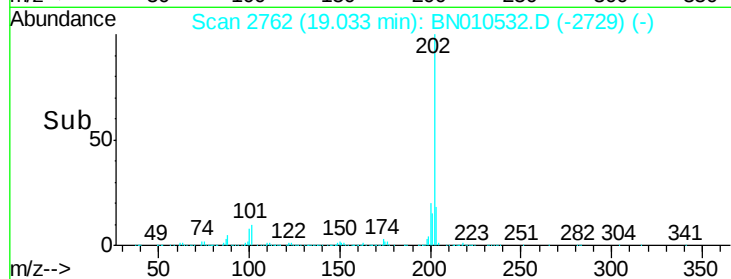
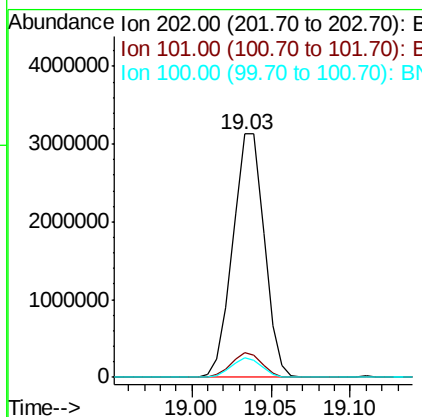
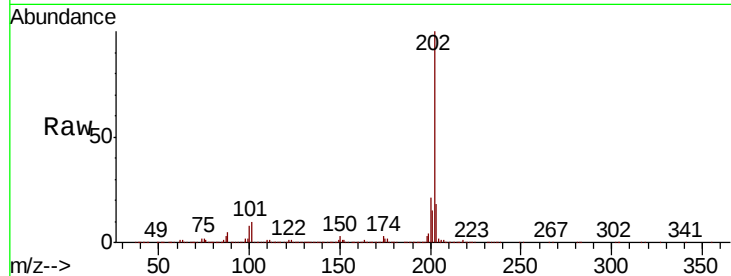




#77
 Fluoranthene
 Concen: 22.003 ng/ul
 RT: 19.03 min Scan# 2762
 Delta R.T. -0.01 min
 Lab File: BN010532.D
 Acq: 17 Apr 2020 00:41

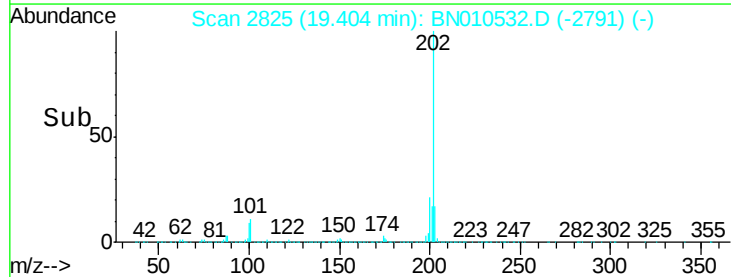
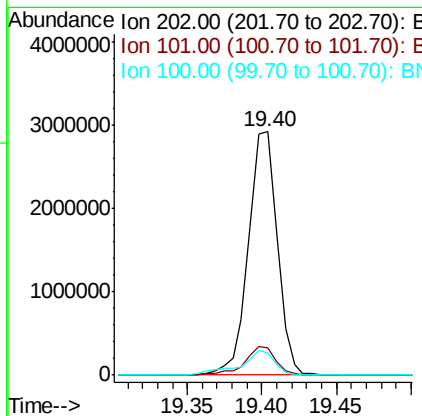
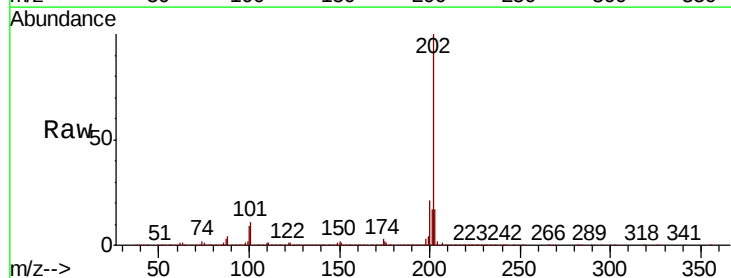
Instrument :
 BNA_N
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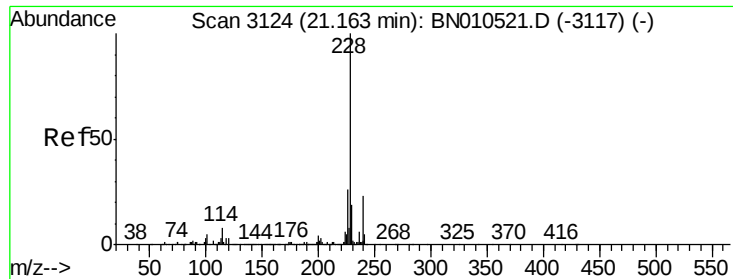
Tot Ion:202 Resp: 4322897
 Ion Ratio Lower Upper
 202 100
 101 10.3 7.1 10.7
 100 8.0 5.5 8.3



#80
 Pyrene
 Concen: 17.032 ng/ul
 RT: 19.40 min Scan# 2825
 Delta R.T. -0.00 min
 Lab File: BN010532.D
 Acq: 17 Apr 2020 00:41

Tgt Ion:202 Resp: 3896075
 Ion Ratio Lower Upper
 202 100
 101 11.0 8.6 13.0
 100 9.2 7.0 10.6

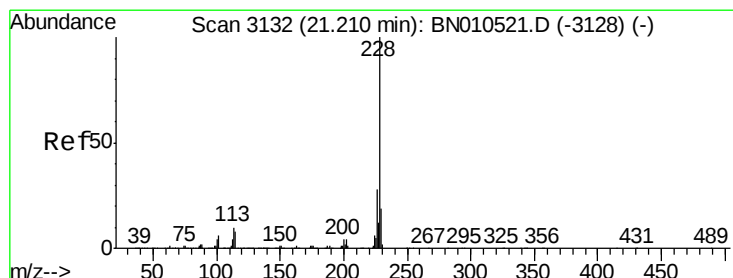
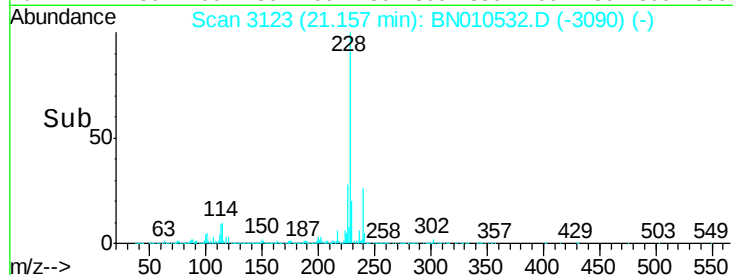
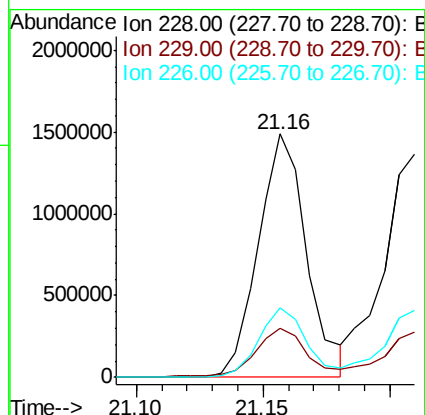
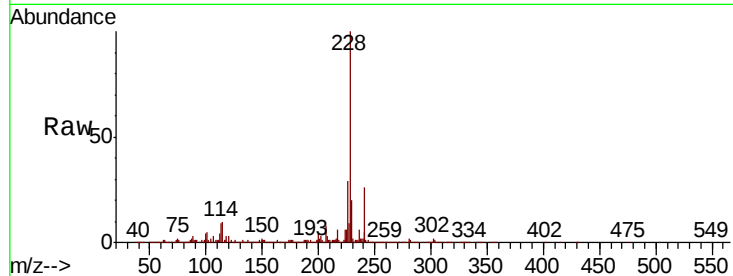




#83
Benzo(a)anthracene
Concen: 8.973 ng/ul
RT: 21.16 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BN010532.D
Acq: 17 Apr 2020 00:41

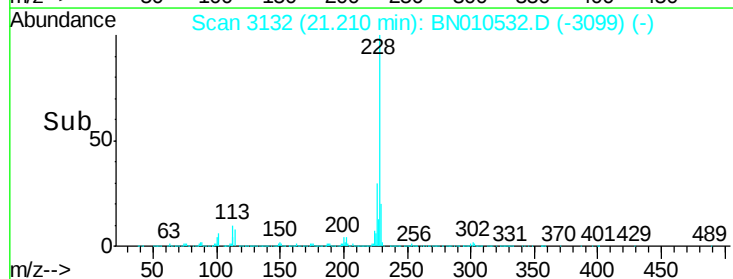
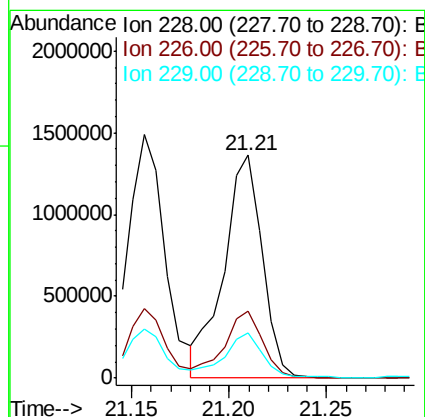
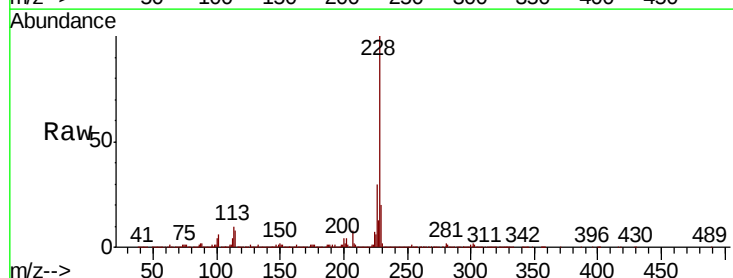
Instrument :
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ClientSampleId :
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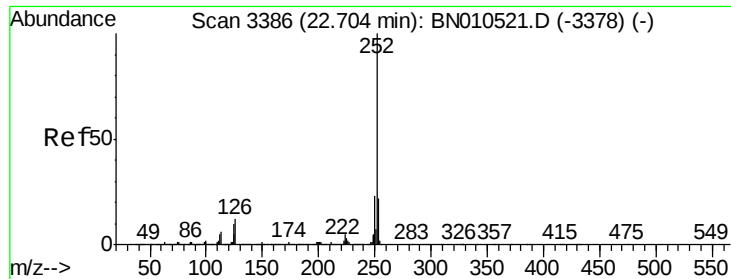
Tot Ion:228 Resp: 1970807
Ion Ratio Lower Upper
228 100
229 20.3 16.0 24.0
226 28.7 21.4 32.2



#85
Chrysene
Concen: 9.019 ng/ul
RT: 21.21 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BN010532.D
Acq: 17 Apr 2020 00:41

Tgt Ion:228 Resp: 1862420
Ion Ratio Lower Upper
228 100
226 29.9 23.0 34.6
229 20.2 15.0 22.4





#88

Benzo(b)fluoranthene

Concen: 10.664 ng/u1

RT: 22.70 min Scan# 3386

Delta R.T. -0.00 min

Lab File: BN010532.D

Acq: 17 Apr 2020 00:41

Instrument :

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ClientSampleId :

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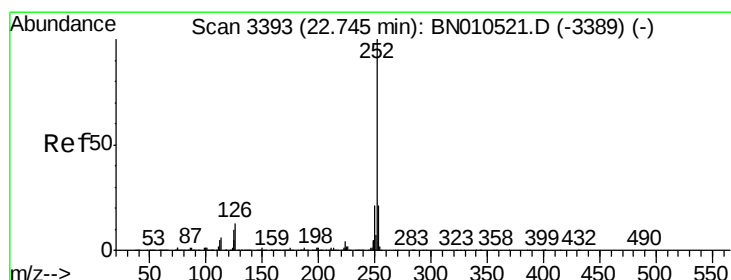
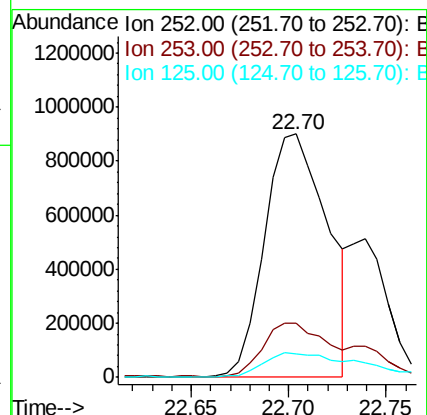
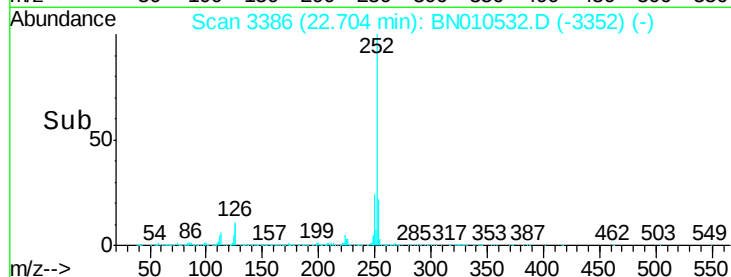
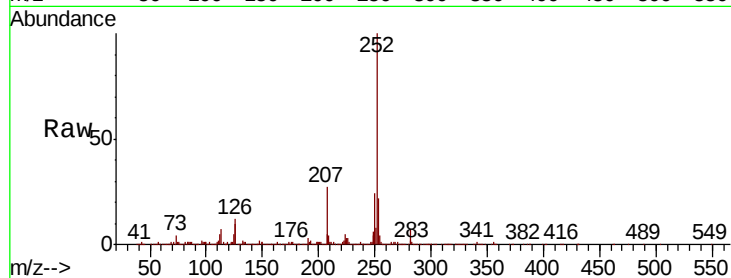
Tot Ion:252 Resp: 2002225

Ion Ratio Lower Upper

252 100

253 22.2 16.7 25.1

125 9.8 7.2 10.8



#89

Benzo(k)fluoranthene

Concen: 10.748 ng/u1

RT: 22.70 min Scan# 3386

Delta R.T. -0.05 min

Lab File: BN010532.D

Acq: 17 Apr 2020 00:41

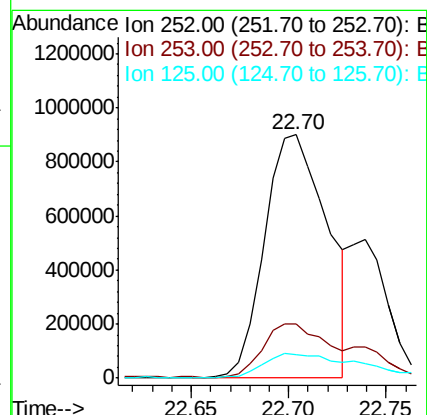
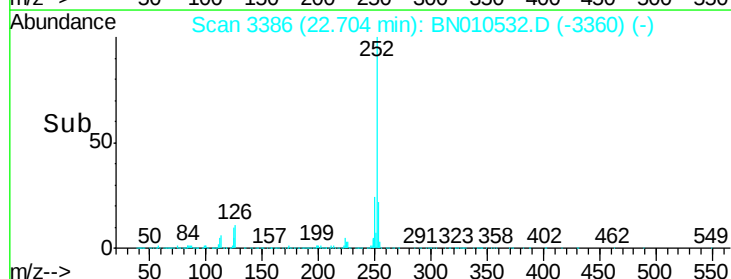
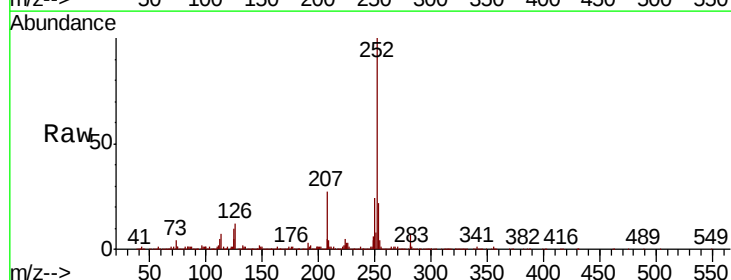
Tgt Ion:252 Resp: 2002225

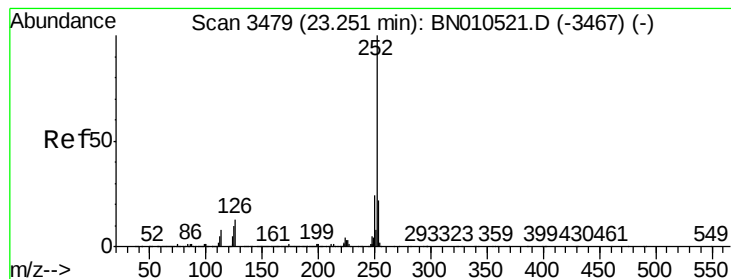
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.8 6.9 10.3





#91

Benzo(a)pyrene

Concen: 7.874 ng/ul

RT: 23.25 min Scan# 3479

Delta R.T. -0.01 min

Lab File: BN010532.D

Acq: 17 Apr 2020 00:41

Instrument :

BNA_N

ClientSampleId :

CB7A3

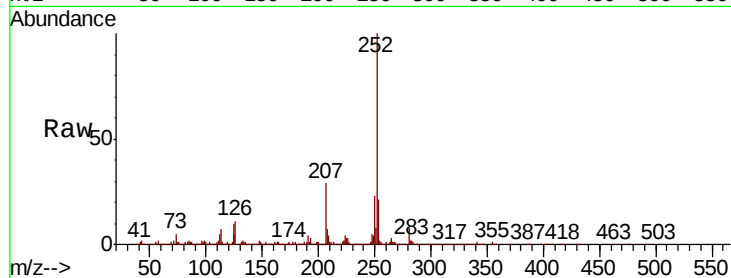
Tot Ion:252 Resp: 1313542

Ion Ratio Lower Upper

252 100

253 20.9 17.8 26.8

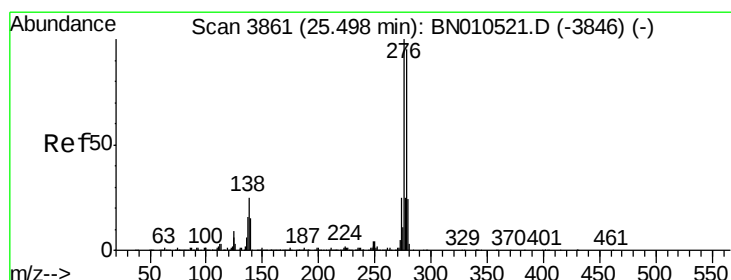
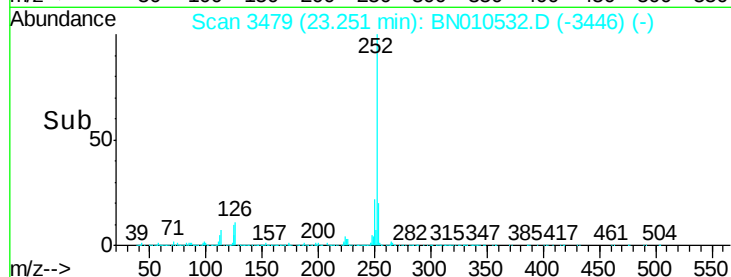
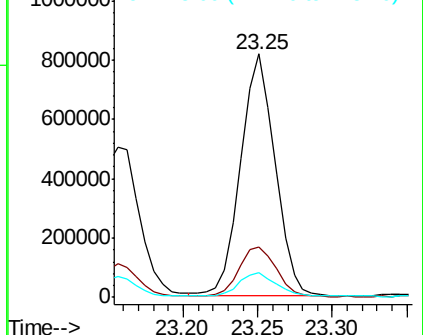
125 10.1 7.8 11.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 4.438 ng/ul

RT: 25.48 min Scan# 3858

Delta R.T. -0.01 min

Lab File: BN010532.D

Acq: 17 Apr 2020 00:41

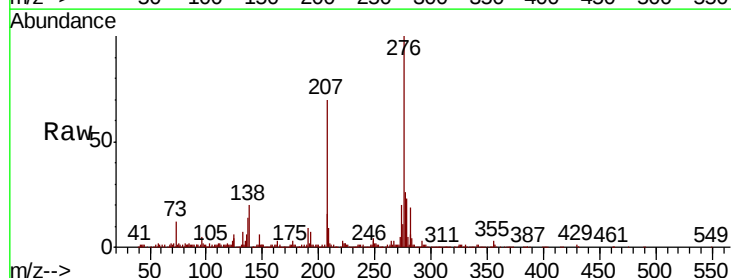
Tgt Ion:276 Resp: 833380

Ion Ratio Lower Upper

276 100

138 20.3 18.3 27.5

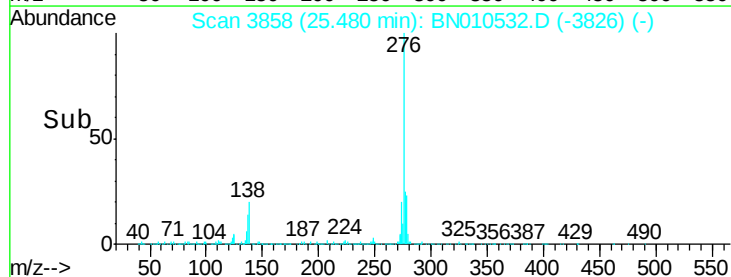
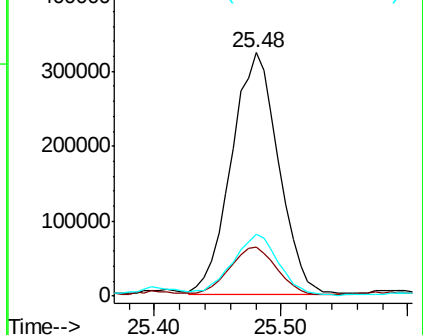
277 25.6 19.8 29.8

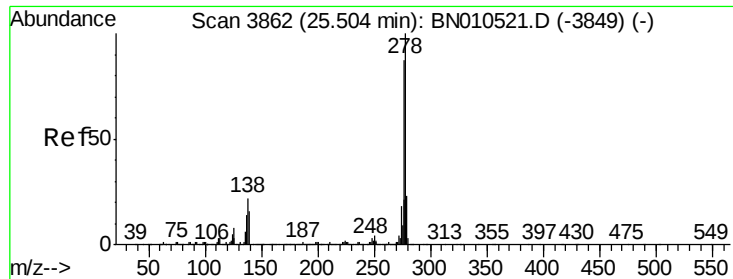


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.455 ng/ul

RT: 25.49 min Scan# 3859

Delta R.T. -0.02 min

Lab File: BN010532.D

Acq: 17 Apr 2020 00:41

Instrument :

BNA_N

ClientSampled :

CB7A3

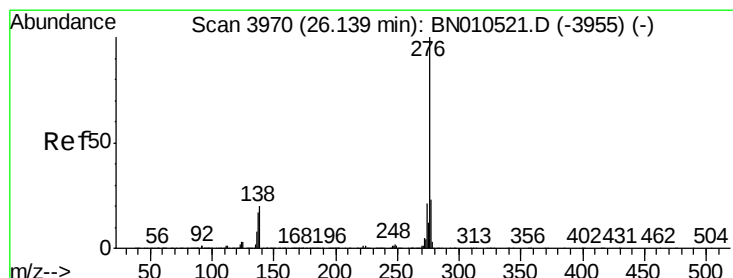
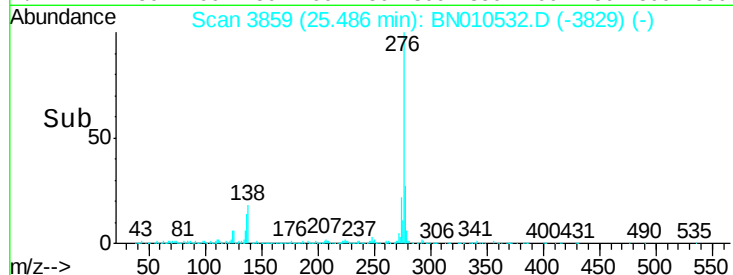
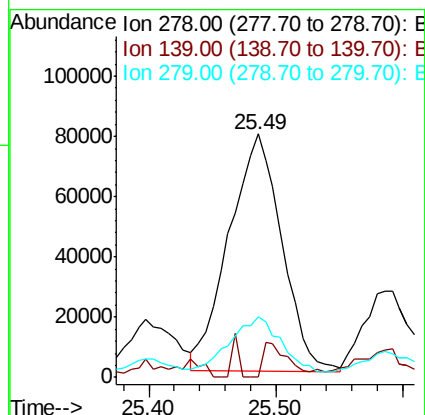
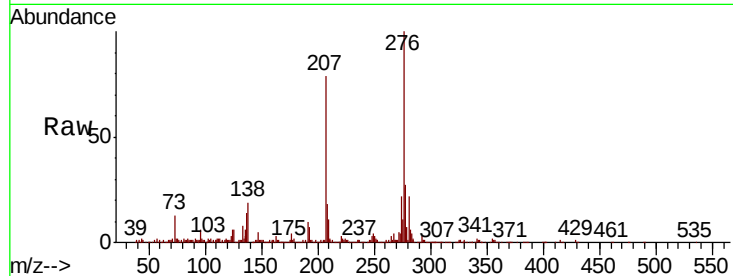
Tot Ion:278 Resp: 229457

Ion Ratio Lower Upper

278 100

139 0.0 11.5 17.3#

279 25.1 19.2 28.8



#94

Benzo(g,h,i)perylene

Concen: 3.616 ng/ul

RT: 26.13 min Scan# 3969

Delta R.T. -0.01 min

Lab File: BN010532.D

Acq: 17 Apr 2020 00:41

Tgt Ion:276 Resp: 561916

Ion Ratio Lower Upper

276 100

138 19.7 14.7 22.1

277 19.4 18.4 27.6

