

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040120\
 Data File : BN010379.D
 Acq On : 02 Apr 2020 03:32
 Operator : CG/JU
 Sample : L2065-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF10

Quant Time: Apr 02 04:14:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 02 00:34:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	475952	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	2114840	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	1434415	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	3323755	20.00	ng/ul	0.00
78) Chrysene-d12	21.18	240	3806797	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	4353961	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	15379	1.53	ng/uL	0.00
5) Phenol-d5	6.79	99	305123	7.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	642593	30.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	840971	26.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	592548	17.67	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	520283	33.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	583216	35.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	1096329	31.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	13932	0.34	ng/ul	0.00
44) Dimethylphthalate-d6	13.65	166	3992275	36.89	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	4509323	35.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	147538	7.26	ng/ul	0.00
58) Fluorene-d10	15.23	176	3486135	36.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.35	200	601959	31.63	ng/ul	0.00
71) Anthracene-d10	17.08	188	5601250	36.70	ng/ul	0.00
79) Pyrene-d10	19.38	212	6671830	34.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	8034779	37.09	ng/ul	0.00

Target Compounds

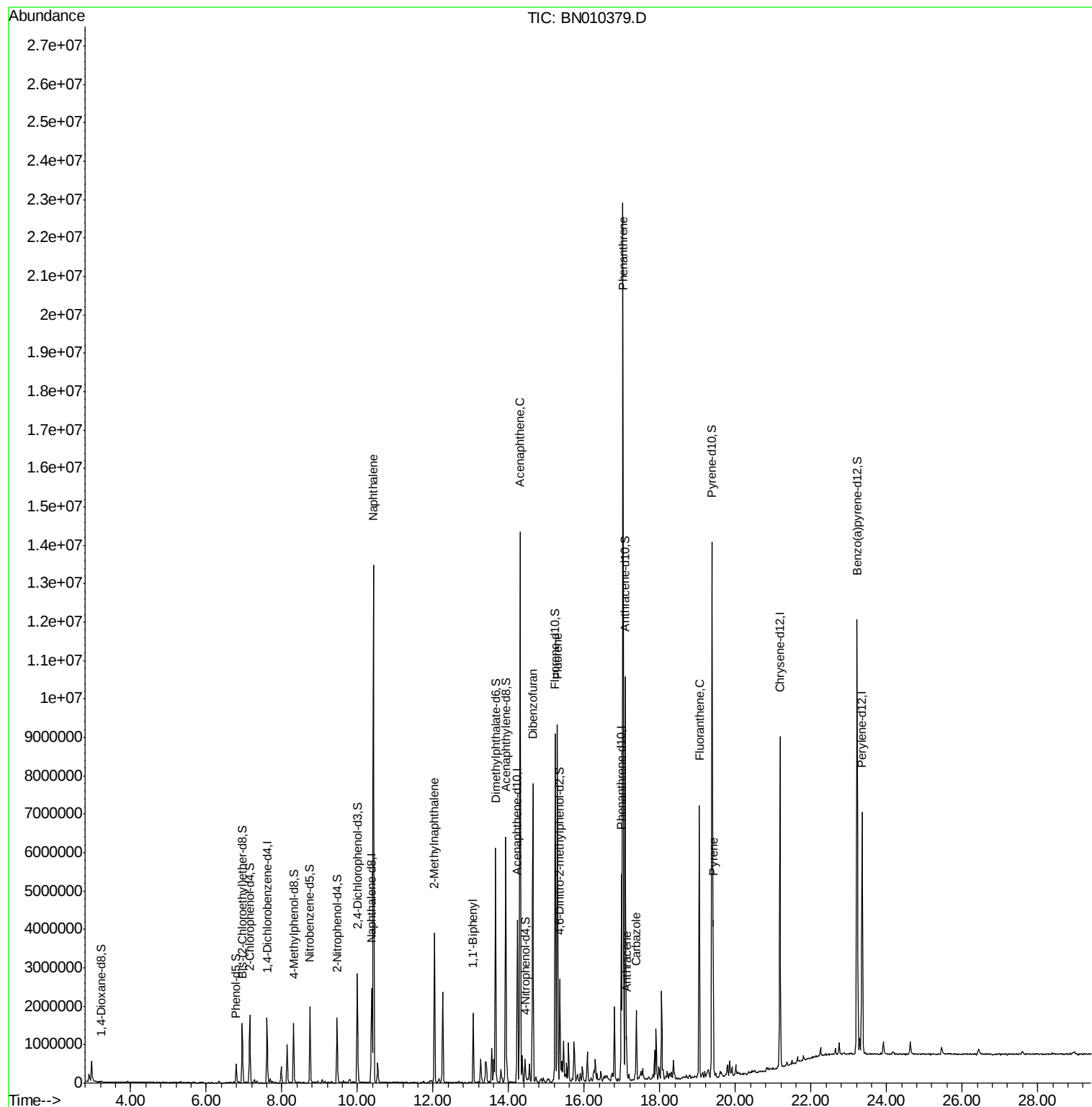
					Ovalue
28) Naphthalene	10.42	128	11217817	98.601	ng/ul 99
34) 2-Methylnaphthalene	12.04	142	1889550	22.861	ng/ul 97
41) 1,1'-Biphenyl	13.06	154	944238	8.651	ng/ul 99
50) Acenaphthene	14.30	153	5923090	63.212	ng/ul 94
54) Dibenzofuran	14.64	168	4981444	37.743	ng/ul 99
59) Fluorene	15.29	166	4173060	38.851	ng/ul 100
70) Phenanthrene	17.03	178	13699565	74.385	ng/ul 93
72) Anthracene	17.12	178	685699	3.723	ng/ul 97
75) Carbazole	17.38	167	1085286	7.085	ng/ul 100
77) Fluoranthene	19.05	202	4130398	21.059	ng/ul 98
80) Pyrene	19.41	202	2458180	9.657	ng/ul 97

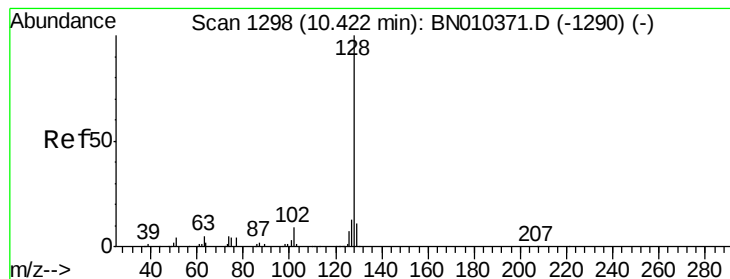
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 98.601 ng/ul

RT: 10.42 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BN010379.D

Acq: 02 Apr 2020 03:32

Instrument :

BNA_N

ClientSampleId :

DBF10

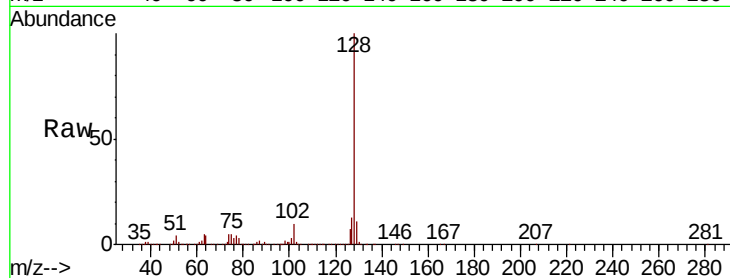
Tot Ion:128 Resp:11217817

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

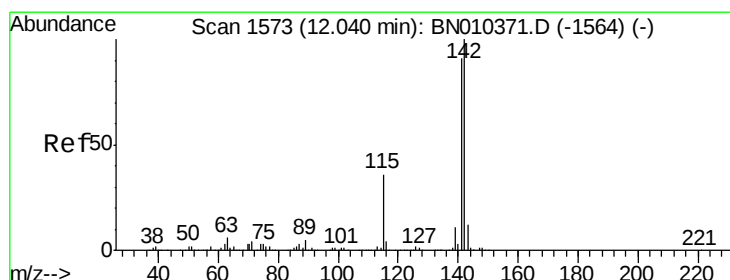
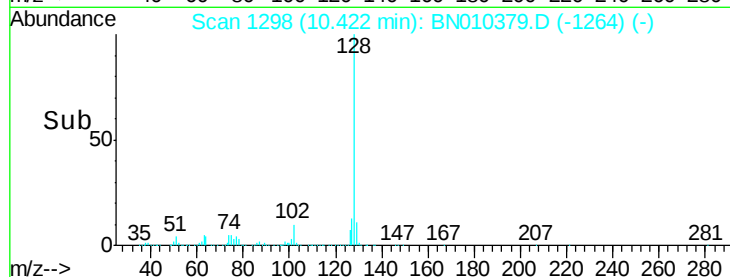
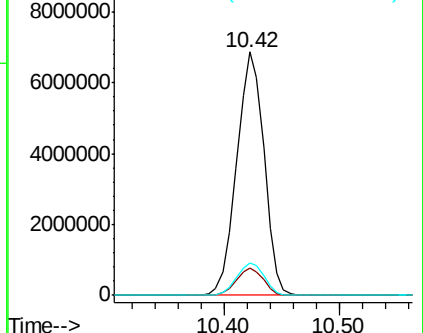
127 13.2 10.8 16.2



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: 22.861 ng/ul

RT: 12.04 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BN010379.D

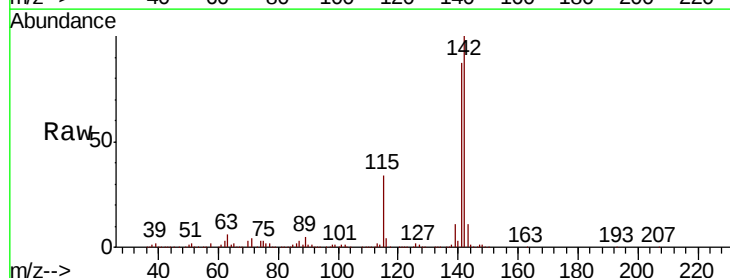
Acq: 02 Apr 2020 03:32

Tgt Ion:142 Resp: 1889550

Ion Ratio Lower Upper

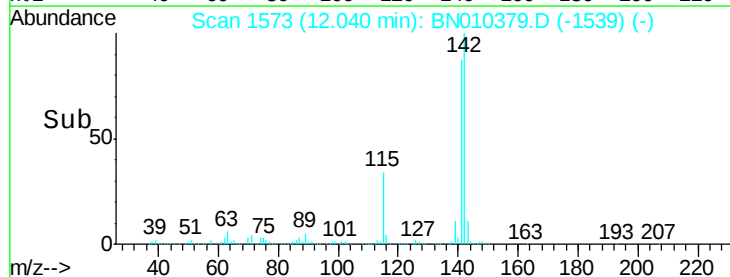
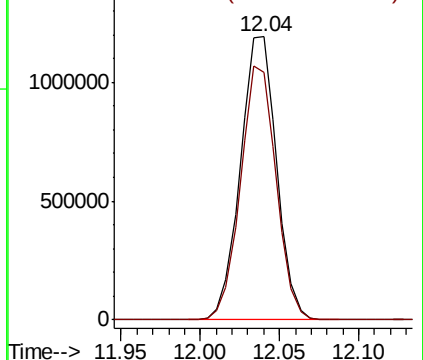
142 100

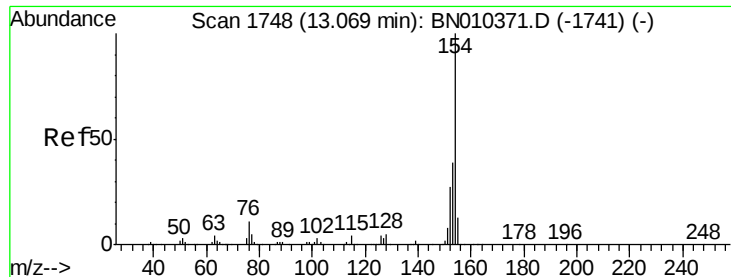
141 87.3 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#41

1,1'-Biphenyl

Concen: 8.651 ng/ul

RT: 13.06 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BN010379.D

Acq: 02 Apr 2020 03:32

Instrument :

BNA_N

ClientSampleId :

DBF10

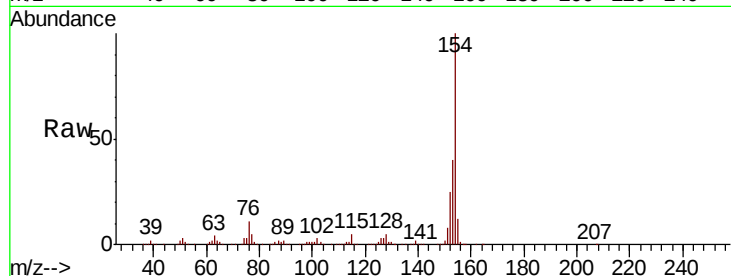
Tot Ion:154 Resp: 944238

Ion Ratio Lower Upper

154 100

153 40.3 32.6 49.0

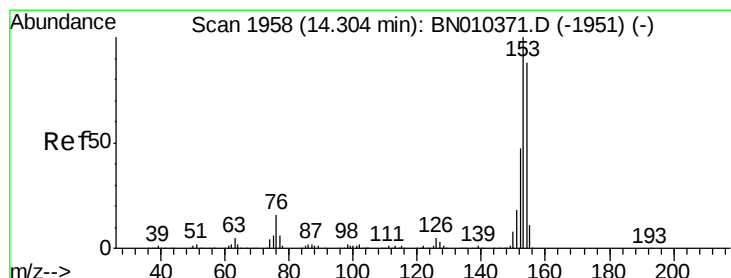
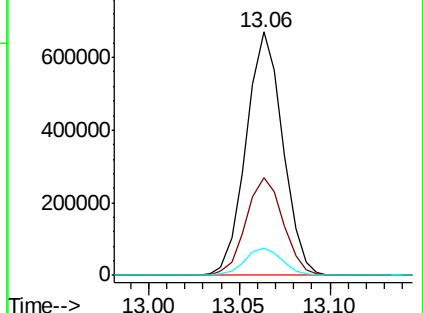
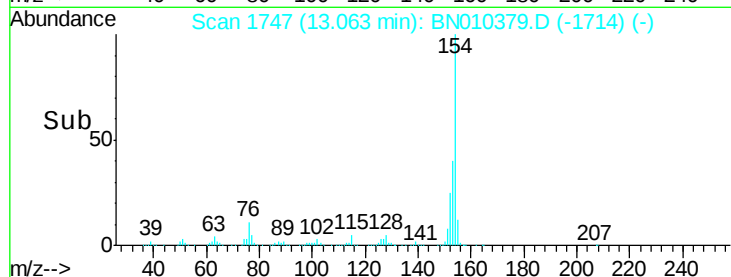
76 11.1 9.4 14.2



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



#50

Acenaphthene

Concen: 63.212 ng/ul

RT: 14.30 min Scan# 1958

Delta R.T. 0.00 min

Lab File: BN010379.D

Acq: 02 Apr 2020 03:32

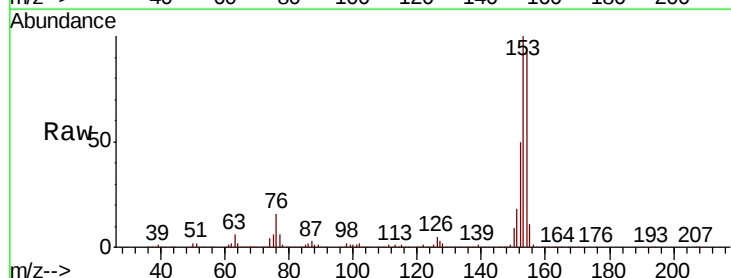
Tgt Ion:153 Resp: 5923090

Ion Ratio Lower Upper

153 100

152 50.4 37.8 56.6

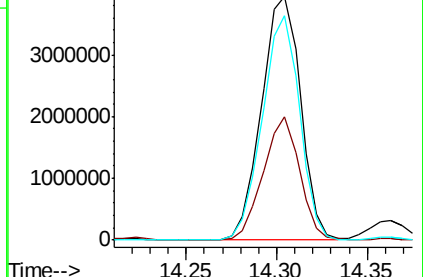
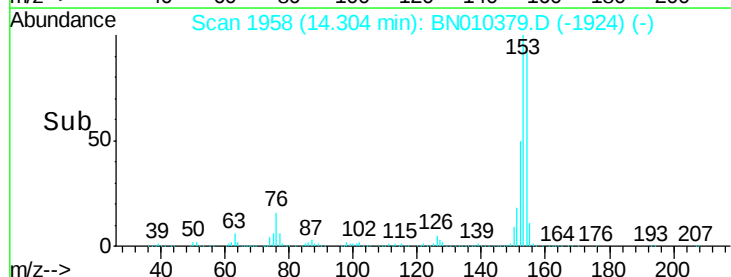
154 92.1 69.1 103.7

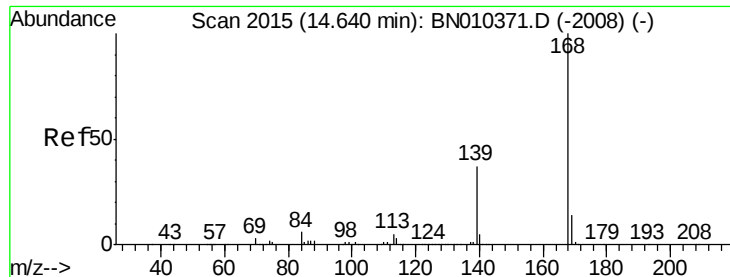


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 37.743 ng/ul

RT: 14.64 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BN010379.D

Acq: 02 Apr 2020 03:32

Instrument :

BNA_N

ClientSampleId :

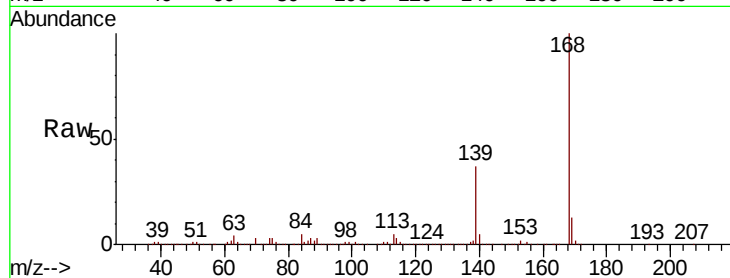
DBF10

Tot Ion:168 Resp: 4981444

Ion Ratio Lower Upper

168 100

139 36.7 29.0 43.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.64

3000000

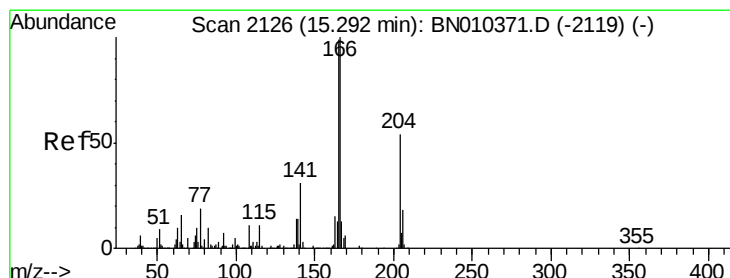
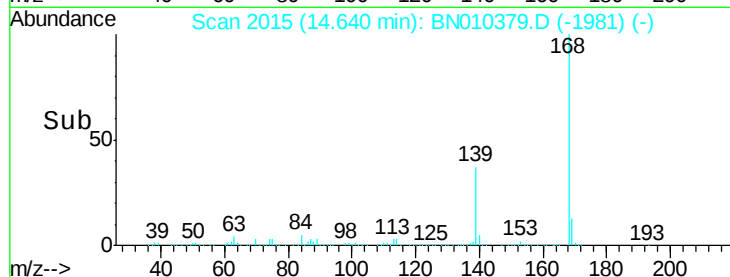
2000000

1000000

0

Time-->

14.60 14.70



#59

Fluorene

Concen: 38.851 ng/ul

RT: 15.29 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BN010379.D

Acq: 02 Apr 2020 03:32

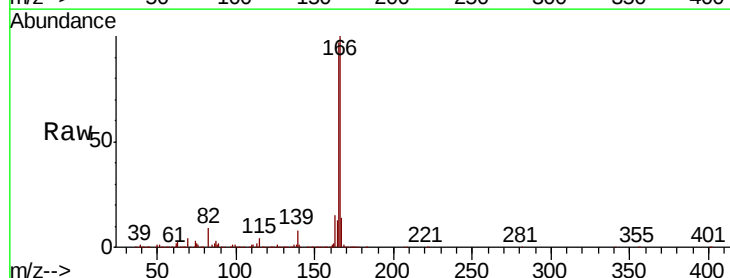
Tgt Ion:166 Resp: 4173060

Ion Ratio Lower Upper

166 100

165 97.2 77.6 116.4

167 13.5 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

15.29

3000000

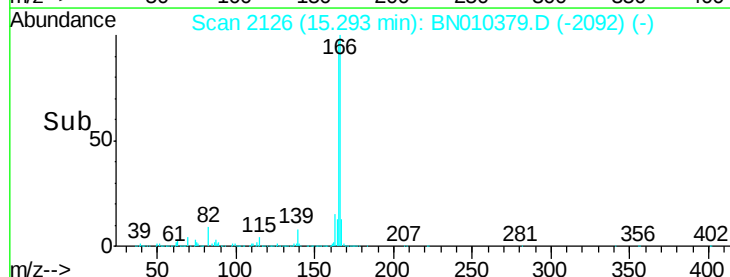
2000000

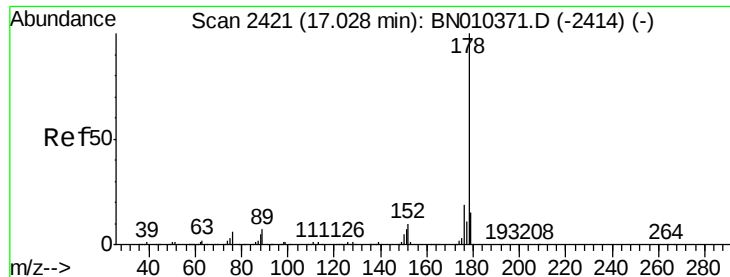
1000000

0

Time-->

15.25 15.30 15.35

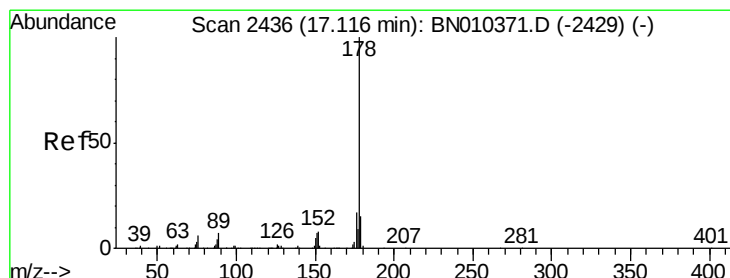
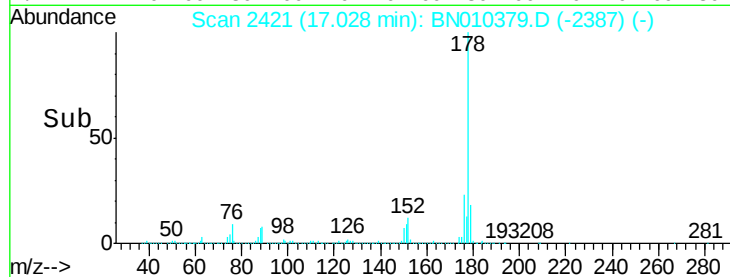
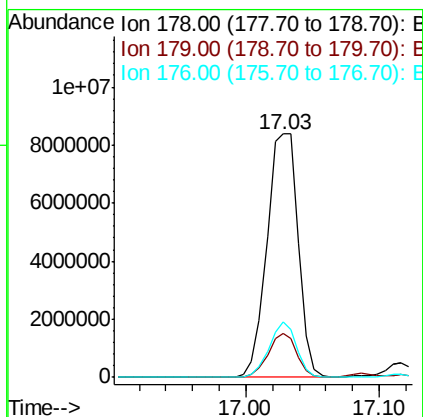
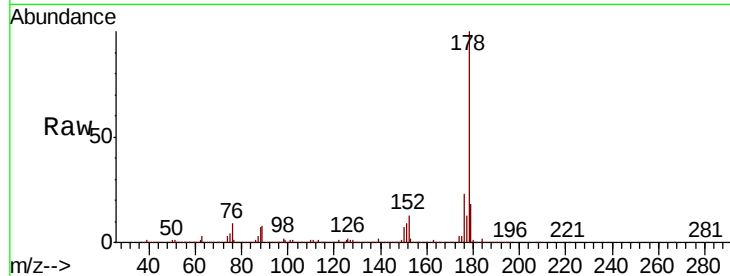




#70
Phenanthrene
Concen: 74.385 ng/ul
RT: 17.03 min Scan# 2421
Delta R.T. 0.00 min
Lab File: BN010379.D
Acq: 02 Apr 2020 03:32

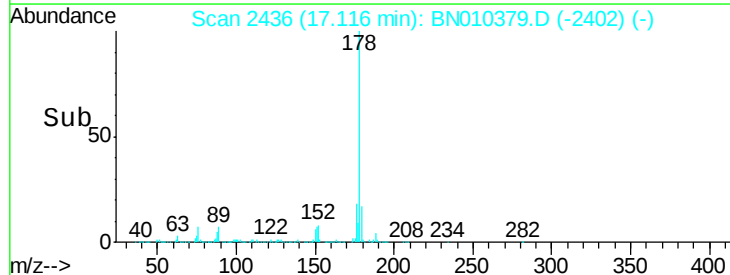
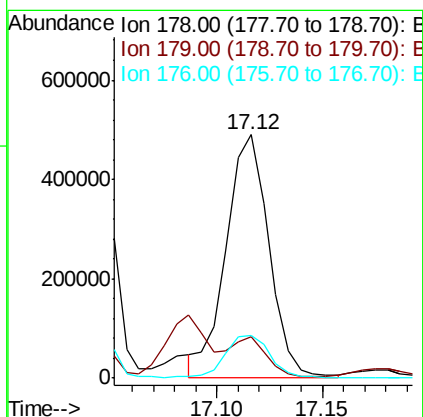
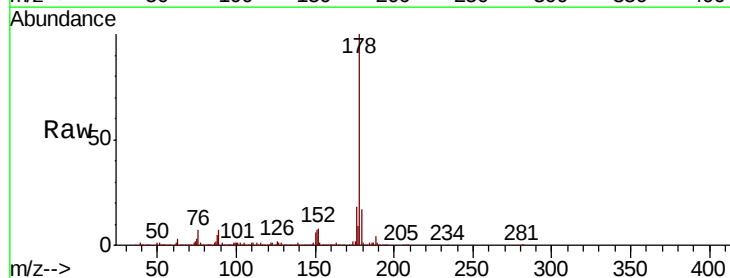
Instrument :
BNA_N
ClientSampled :
DBF10

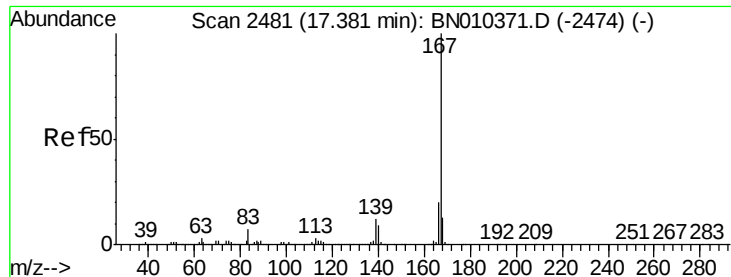
Tot Ion:178 Resp:13699565
Ion Ratio Lower Upper
178 100
179 17.9 11.9 17.9
176 22.7 15.4 23.2



#72
Anthracene
Concen: 3.723 ng/ul
RT: 17.12 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BN010379.D
Acq: 02 Apr 2020 03:32

Tgt Ion:178 Resp: 685699
Ion Ratio Lower Upper
178 100
179 17.0 12.9 19.3
176 17.5 15.2 22.8





#75

Carbazole

Concen: 7.085 ng/ul

RT: 17.38 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BN010379.D

Acq: 02 Apr 2020 03:32

Instrument :

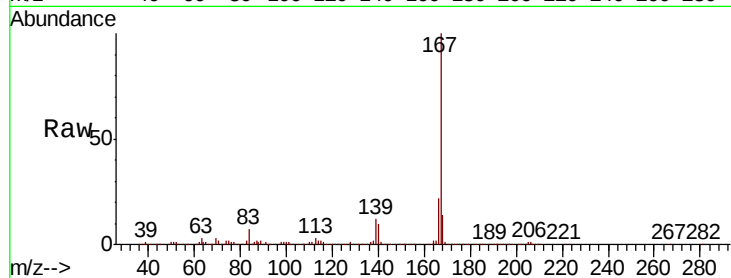
BNA_N

ClientSampleId :

DBF10

Tot Ion:167 Resp: 1085286

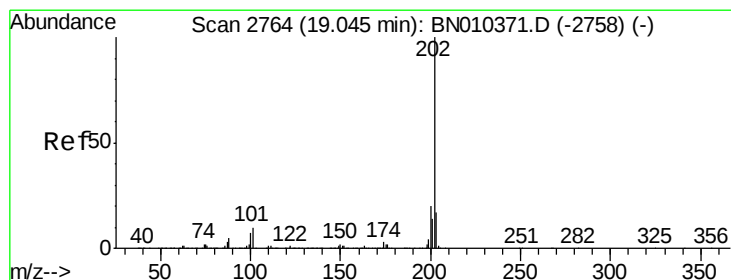
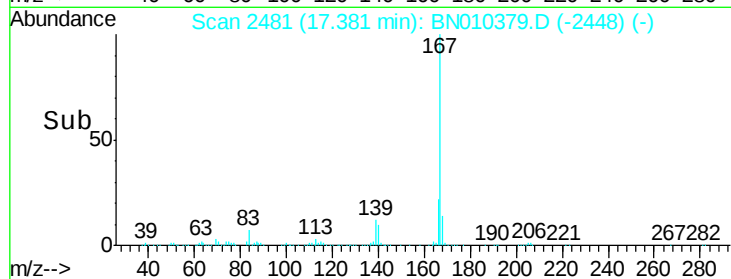
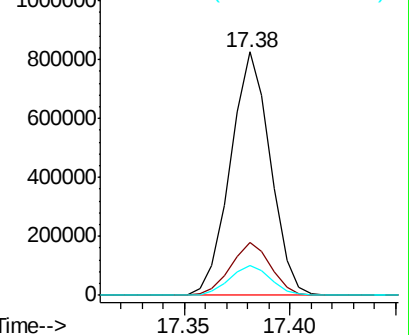
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	12.5	10.0	15.0



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: 21.059 ng/ul

RT: 19.05 min Scan# 2764

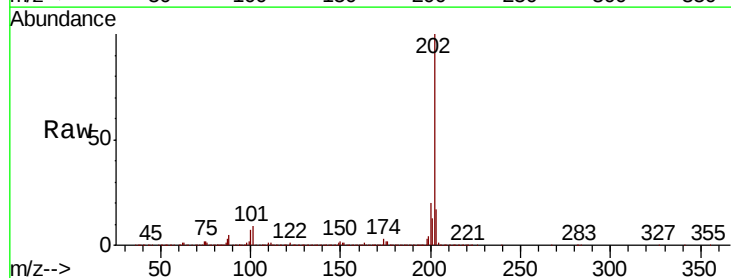
Delta R.T. 0.00 min

Lab File: BN010379.D

Acq: 02 Apr 2020 03:32

Tgt Ion:202 Resp: 4130398

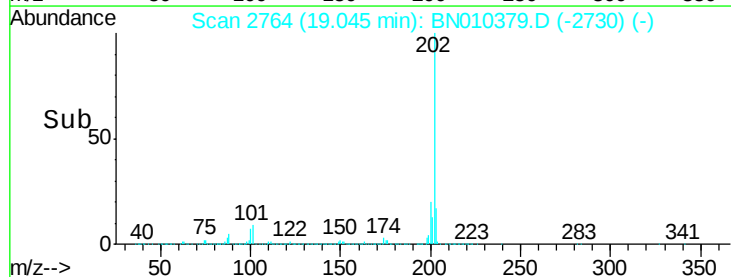
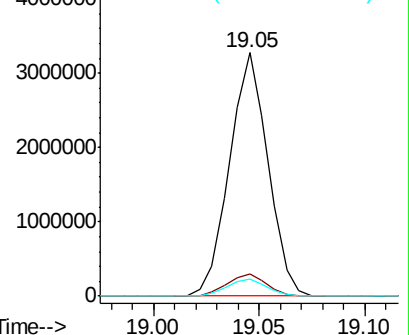
Ion	Ratio	Lower	Upper
202	100		
101	9.2	8.1	12.1
100	7.2	6.2	9.4

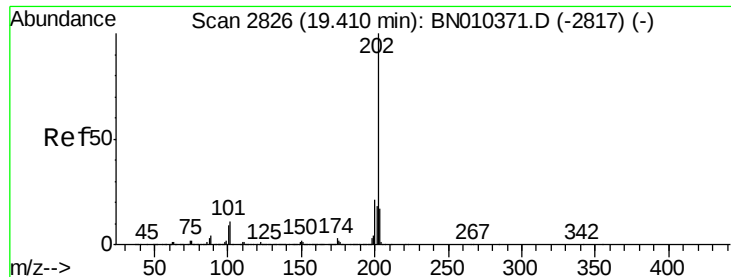


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80
 Pvrene
 Concen: 9.657 ng/ul
 RT: 19.41 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: BN010379.D
 Acq: 02 Apr 2020 03:32

Instrument :
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Tot Ion:202 Resp: 2458180

Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.6	14.4
100	9.4	8.1	12.1

