

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\
 Data File : BN012340.D
 Acq On : 18 Oct 2020 21:24
 Operator : CG/JU
 Sample : L4285-13
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEQD9

Quant Time: Oct 19 04:12:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 17 15:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	237218	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.36	136	904413	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.24	164	543165	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	1113937	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	926290	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	962964	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0d	0.00	ng/ul	
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	0.00	166	0d	0.00	ng/ul	
47) Acenaphthylene-d8	0.00	160	0d	0.00	ng/ul	
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	0.00	176	0d	0.00	ng/ul	
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	0.00	188	0d	0.00	ng/ul	
79) Pyrene-d10	0.00	212	0d	0.00	ng/ul	
90) Benzo(a)pyrene-d12	0.00	264	0d	0.00	ng/ul	

Target Compounds

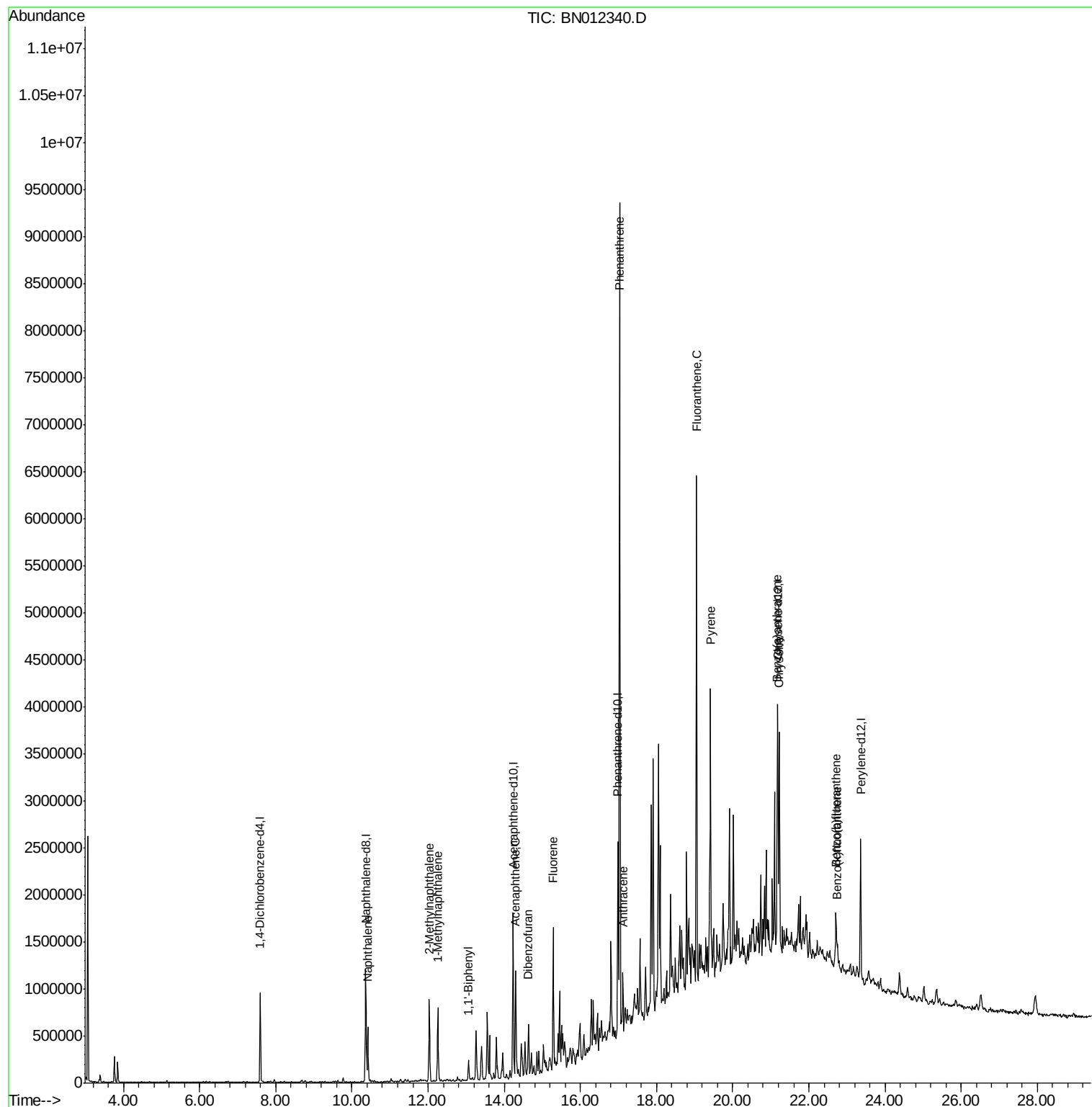
					Ovalue	
28) Naphthalene	10.42	128	431681	8.217	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	388995	10.759	ng/ul	95
35) 1-Methylnaphthalene	12.26	142	330051	9.232	ng/uL	98
41) 1,1'-Biphenyl	13.06	154	73325	1.602	ng/ul	96
50) Acenaphthene	14.30	153	423877	10.919	ng/ul	98
54) Dibenzofuran	14.64	168	147352	2.789	ng/ul	92
59) Fluorene	15.29	166	572168	12.874	ng/ul	97
70) Phenanthrene	17.03	178	4986768	72.804	ng/ul	98
72) Anthracene	17.12	178	351393	5.099	ng/ul	97
77) Fluoranthene	19.05	202	2703276	34.409	ng/ul	100
80) Pyrene	19.42	202	1720849	24.576	ng/ul	99
83) Benzo(a)anthracene	21.17	228	872155	13.721	ng/ul	96
85) Chrysene	21.22	228	1142518	18.339	ng/ul#	90
88) Benzo(b)fluoranthene	22.71	252	384825	5.690	ng/ul#	95
89) Benzo(k)fluoranthene	22.75	252	95074	1.448	ng/ul#	90

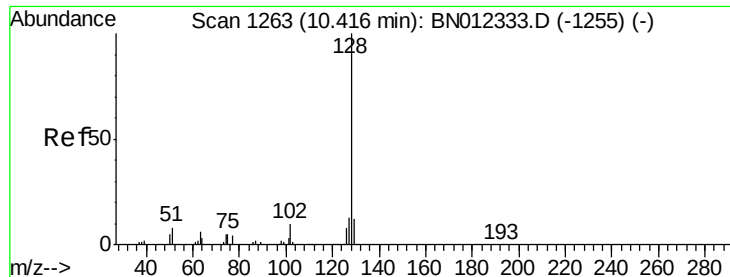
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 8.217 ng/ul

RT: 10.42 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BN012340.D

Acq: 18 Oct 2020 21:24

Instrument :

BNA_N

ClientSampleId :

BEQD9

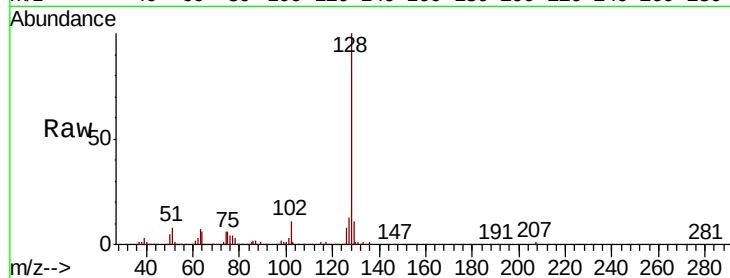
Tot Ion:128 Resp: 431681

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

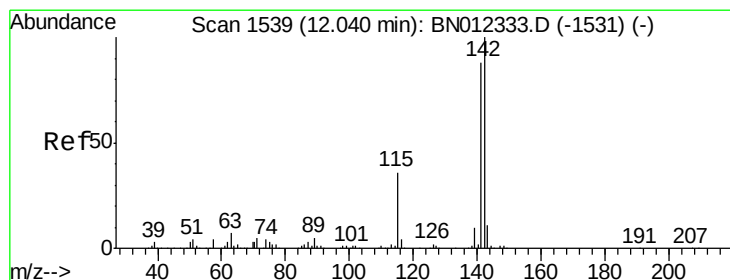
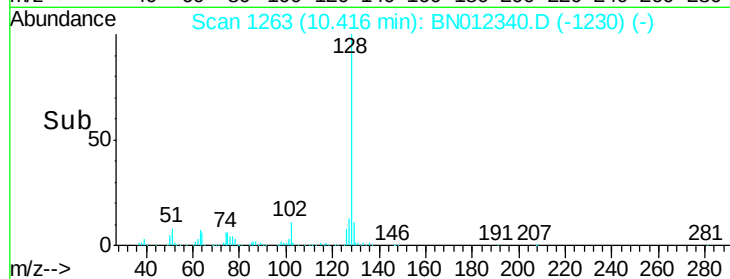
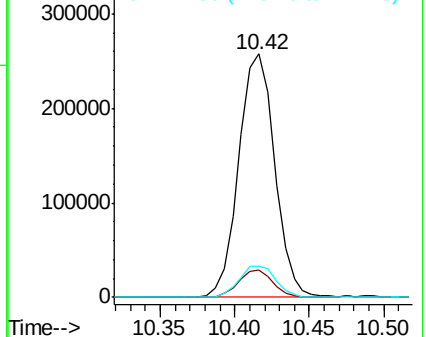
127 12.8 9.9 14.9



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: 10.759 ng/ul

RT: 12.03 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BN012340.D

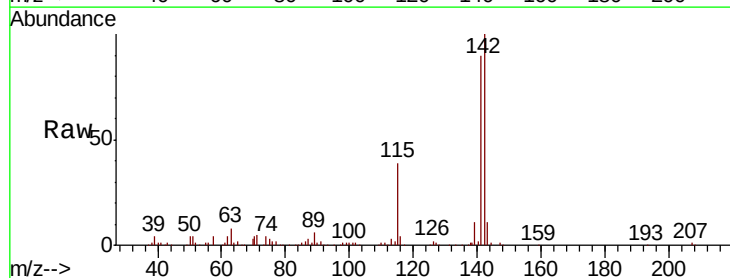
Acq: 18 Oct 2020 21:24

Tgt Ion:142 Resp: 388995

Ion Ratio Lower Upper

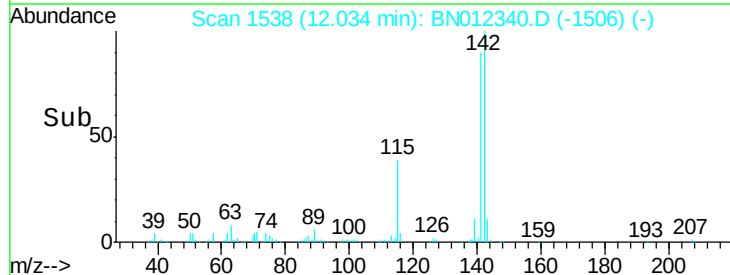
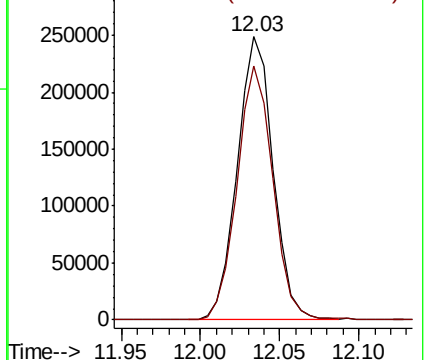
142 100

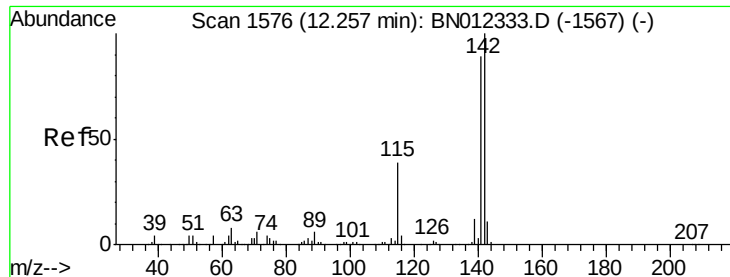
141 89.5 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

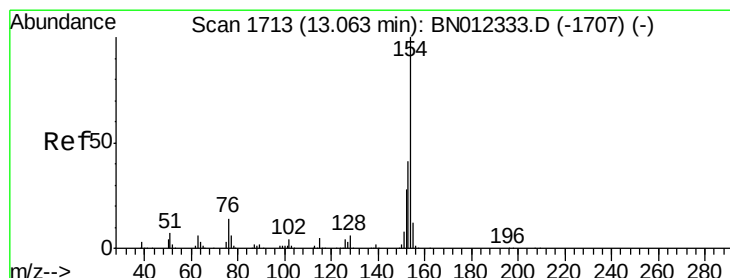
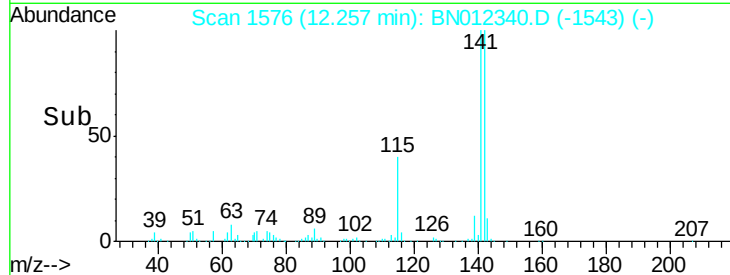
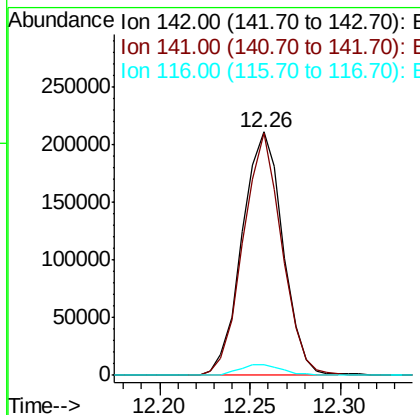
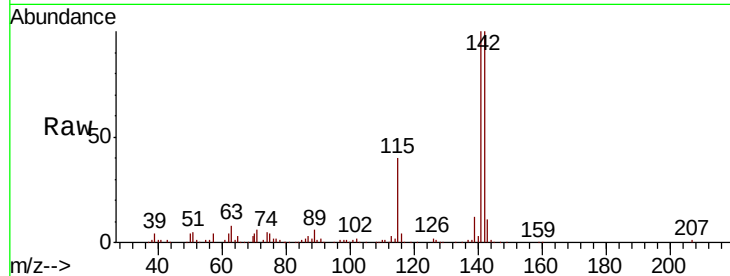




#35
 1-Methylnaphthalene
 Concen: 9.232 ng/uL
 RT: 12.26 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BN012340.D
 Acq: 18 Oct 2020 21:24

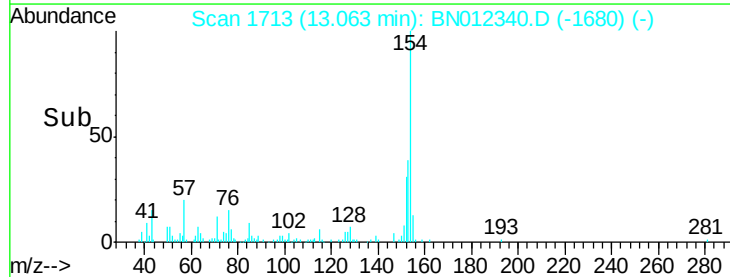
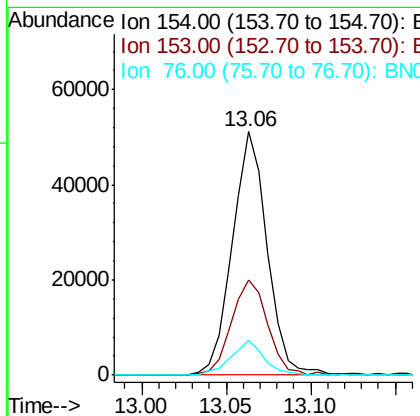
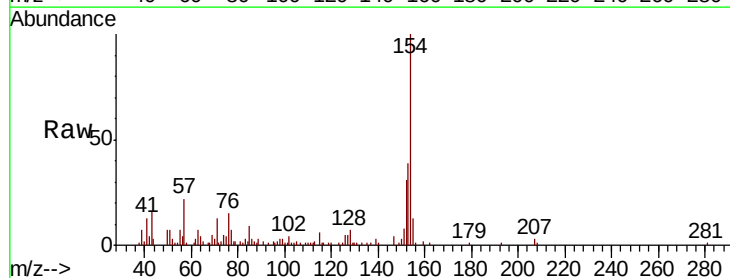
Instrument :
 BNA_N
 ClientSampleId :
 BEQD9

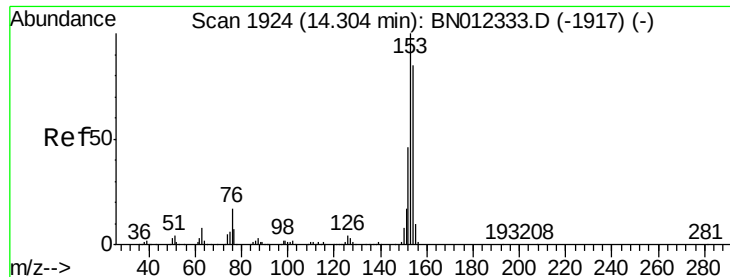
Tot Ion:142 Resp: 330051
 Ion Ratio Lower Upper
 142 100
 141 94.6 74.5 111.7
 116 4.6 3.4 5.0



#41
 1,1'-Biphenyl
 Concen: 1.602 ng/uL
 RT: 13.06 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BN012340.D
 Acq: 18 Oct 2020 21:24

Tgt Ion:154 Resp: 73325
 Ion Ratio Lower Upper
 154 100
 153 38.8 33.2 49.8
 76 14.6 11.0 16.6





#50

Acenaphthene

Concen: 10.919 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN012340.D

Acq: 18 Oct 2020 21:24

Instrument :

BNA_N

ClientSampleId :

BEQD9

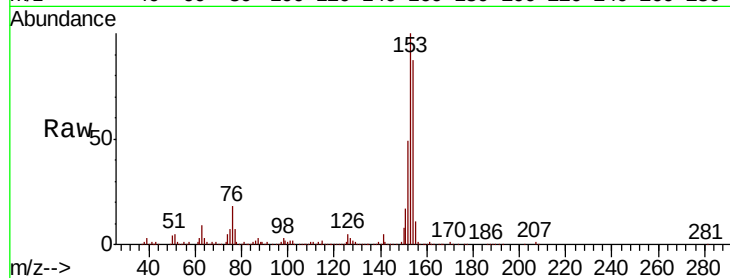
Tot Ion:153 Resp: 423877

Ion Ratio Lower Upper

153 100

152 48.9 37.7 56.5

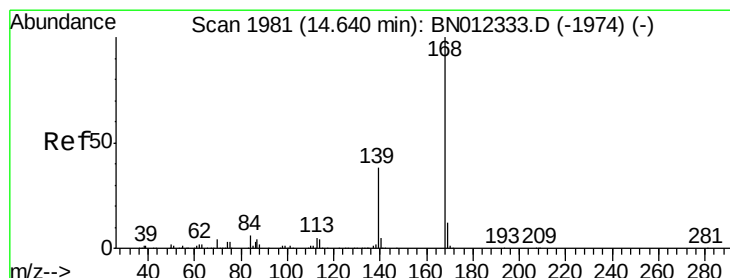
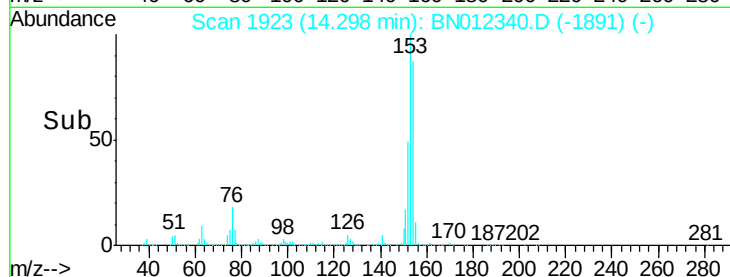
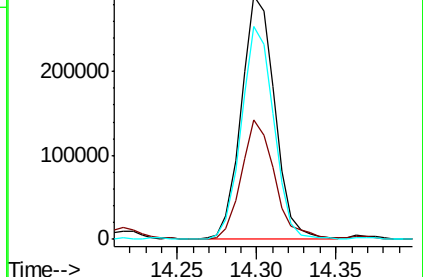
154 87.4 71.6 107.4



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: 2.789 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BN012340.D

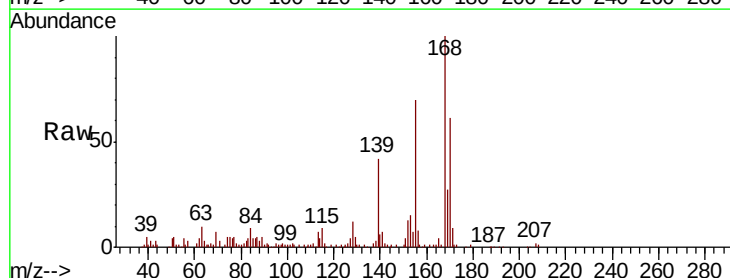
Acq: 18 Oct 2020 21:24

Tgt Ion:168 Resp: 147352

Ion Ratio Lower Upper

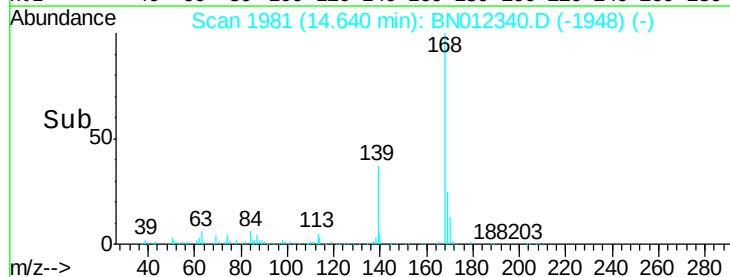
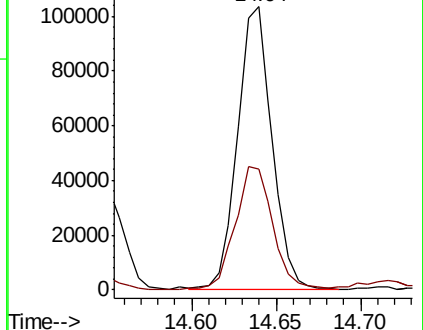
168 100

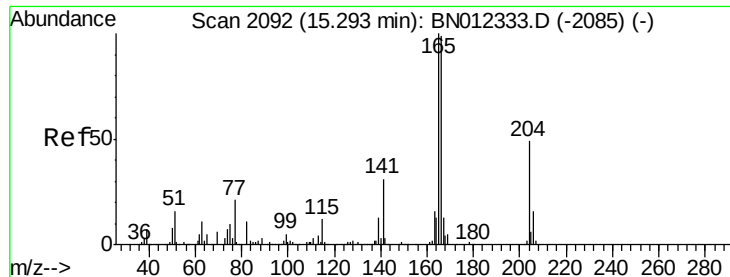
139 42.5 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

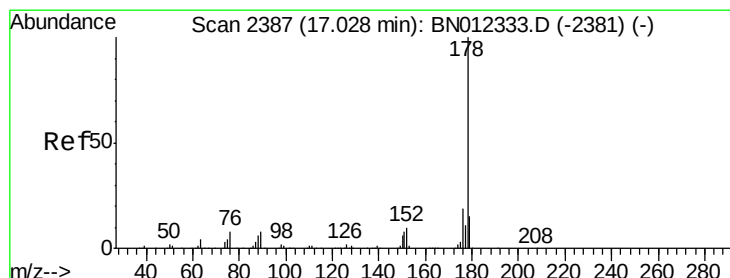
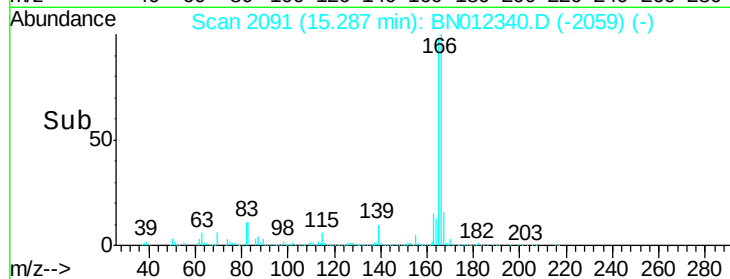
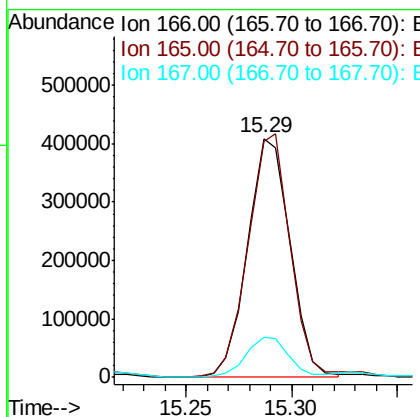
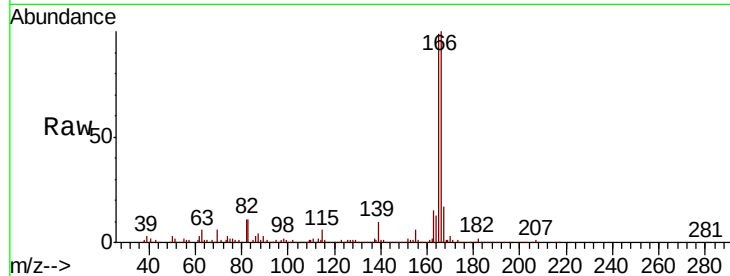




#59
 Fluorene
 Concen: 12.874 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: BN012340.D
 Acq: 18 Oct 2020 21:24

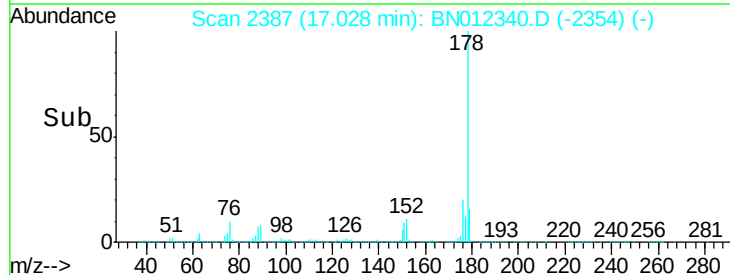
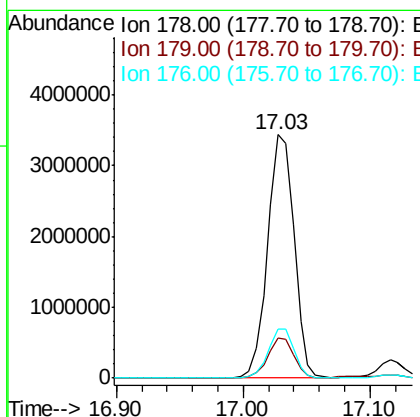
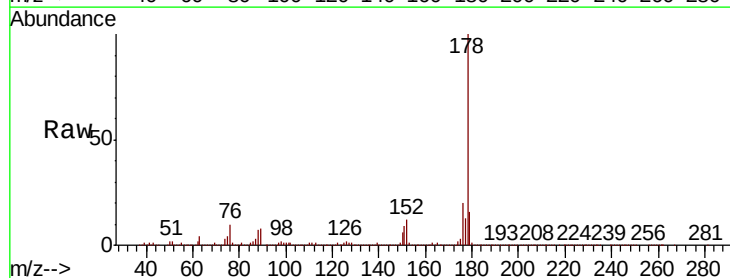
Instrument :
 BNA_N
 ClientSampled :
 BEQD9

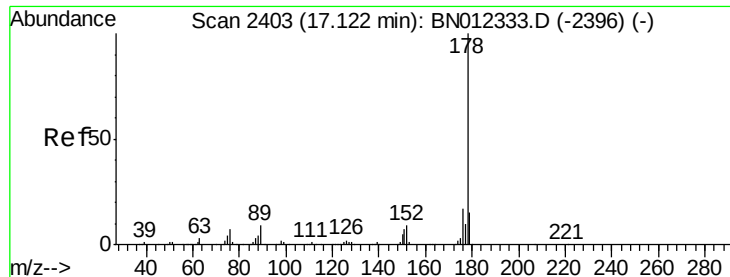
Tot Ion:166 Resp: 572168
 Ion Ratio Lower Upper
 166 100
 165 98.7 77.3 115.9
 167 16.6 11.3 16.9



#70
 Phenanthrene
 Concen: 72.804 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. -0.01 min
 Lab File: BN012340.D
 Acq: 18 Oct 2020 21:24

Tgt Ion:178 Resp: 4986768
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.6 18.8
 176 20.3 15.3 22.9





#72

Anthracene

Concen: 5.099 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BN012340.D

Acq: 18 Oct 2020 21:24

Instrument :

BNA_N

ClientSampleId :

BEQD9

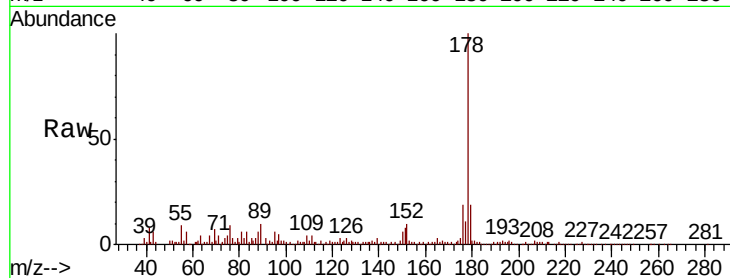
Tot Ion:178 Resp: 351393

Ion Ratio Lower Upper

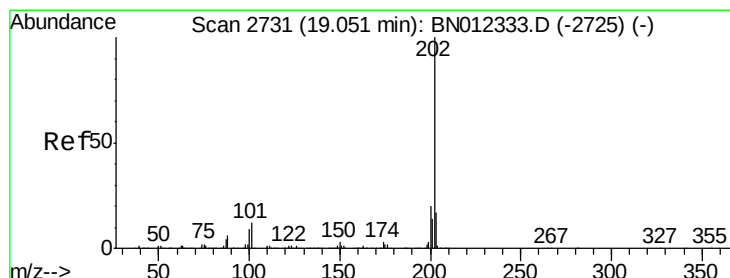
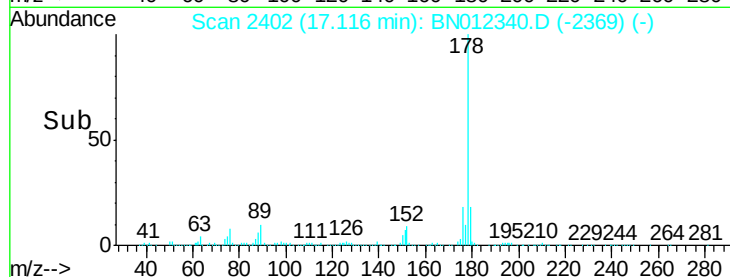
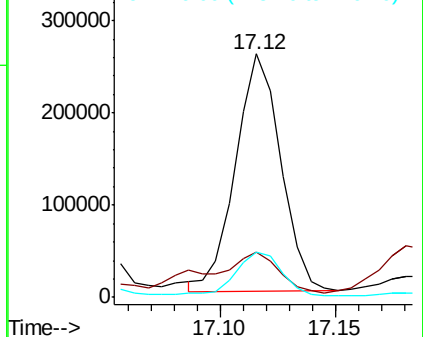
178 100

179 18.7 12.6 19.0

176 18.6 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



#77

Fluoranthene

Concen: 34.409 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BN012340.D

Acq: 18 Oct 2020 21:24

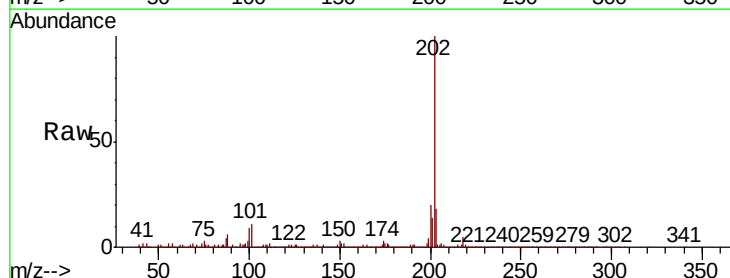
Tgt Ion:202 Resp: 2703276

Ion Ratio Lower Upper

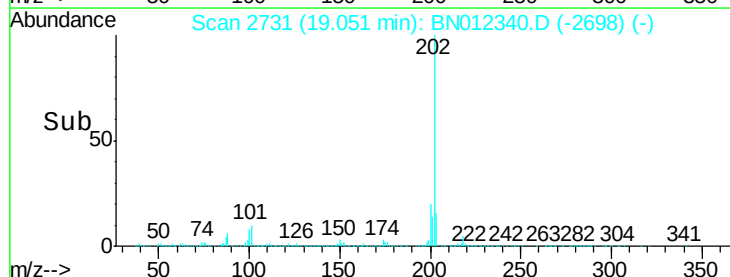
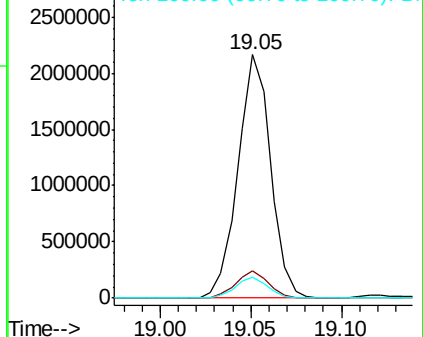
202 100

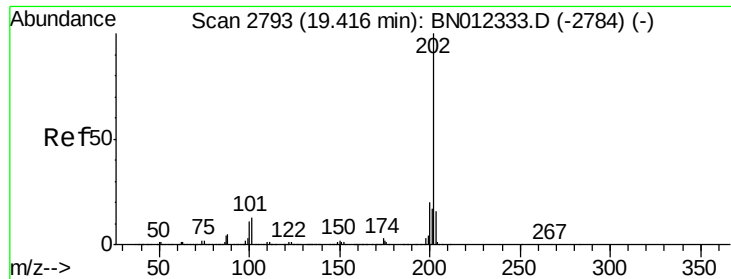
101 11.1 8.7 13.1

100 8.6 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

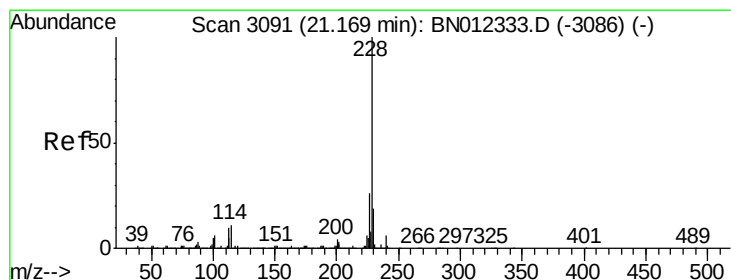
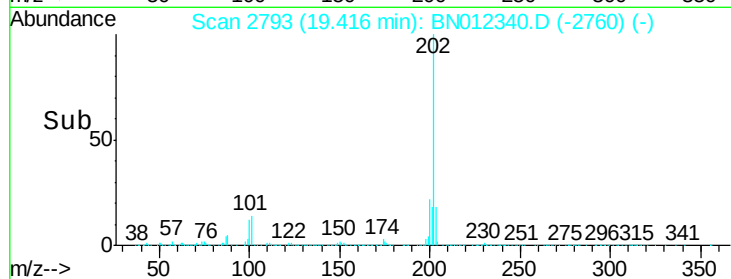
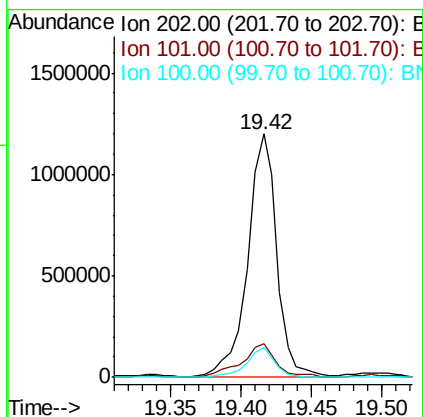
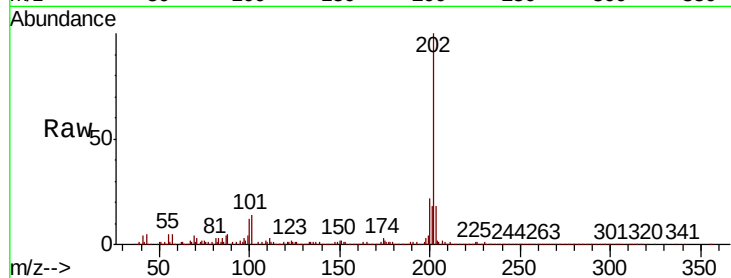




#80
Pvrene
Concen: 24.576 ng/ul
RT: 19.42 min Scan# 2793
Delta R.T. -0.01 min
Lab File: BN012340.D
Acq: 18 Oct 2020 21:24

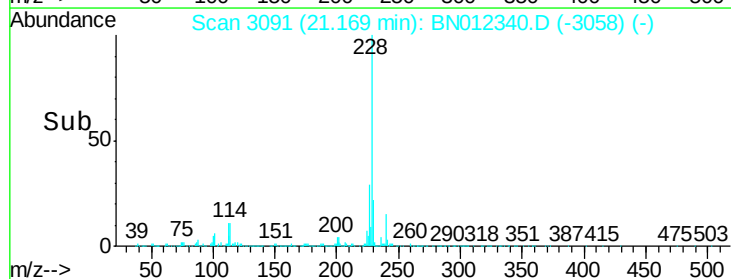
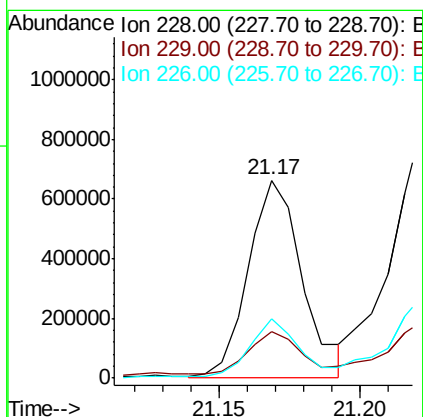
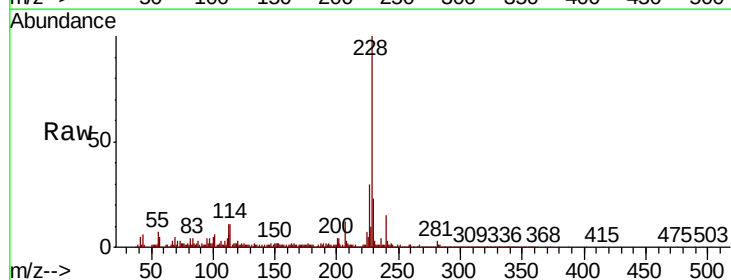
Instrument :
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ClientSampleId :
BEQD9

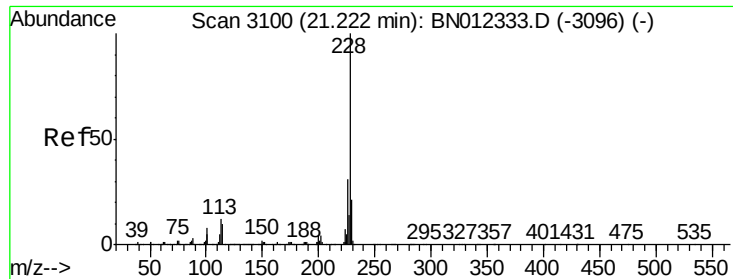
Tot Ion:202 Resp: 1720849
Ion Ratio Lower Upper
202 100
101 13.7 11.2 16.8
100 12.0 8.9 13.3



#83
Benzo(a)anthracene
Concen: 13.721 ng/ul
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BN012340.D
Acq: 18 Oct 2020 21:24

Tgt Ion:228 Resp: 872155
Ion Ratio Lower Upper
228 100
229 23.5 15.9 23.9
226 29.9 23.5 35.3

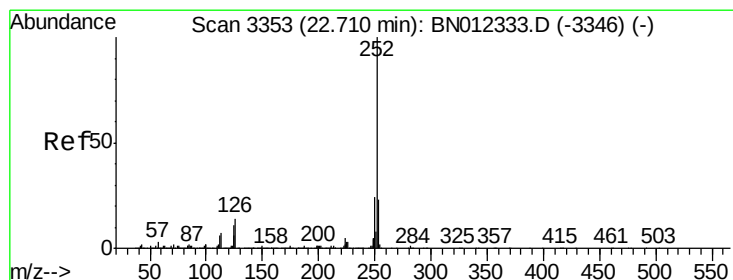
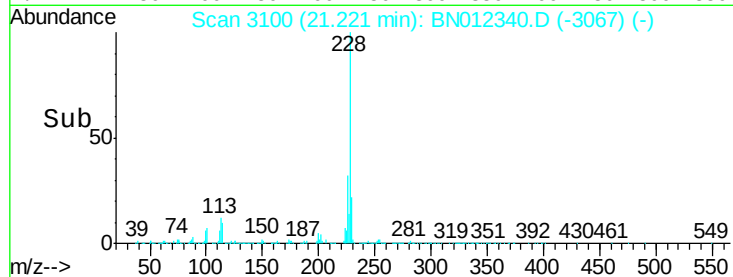
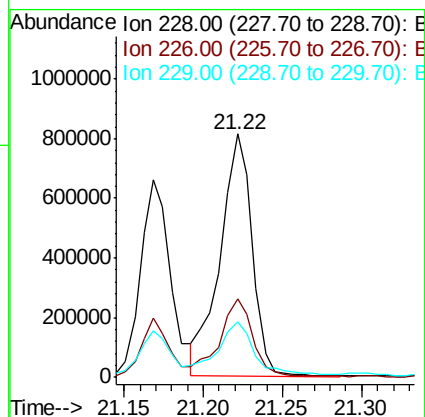
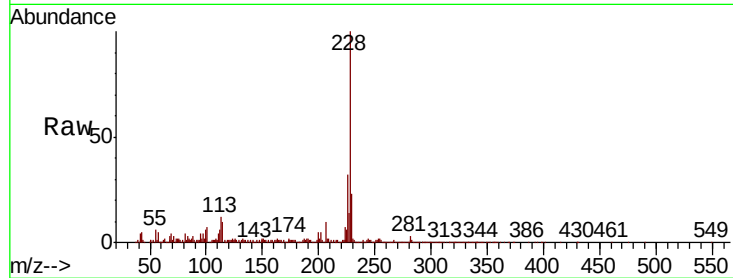




#85
Chrysene
Concen: 18.339 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BN012340.D
Acq: 18 Oct 2020 21:24

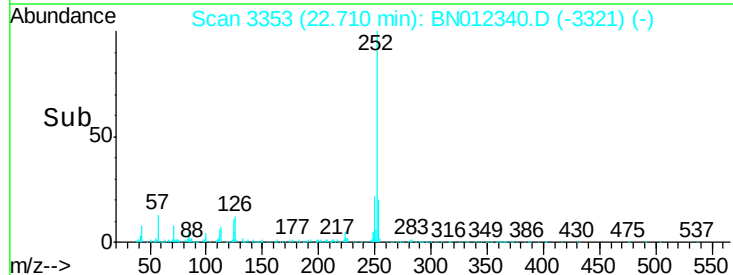
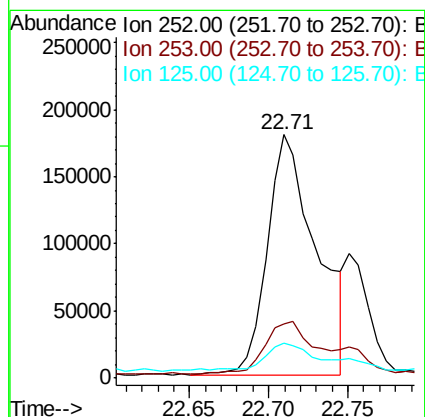
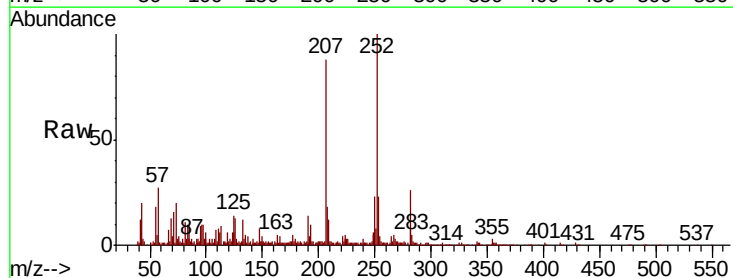
Instrument :
BNA_N
ClientSampleId :
BEQD9

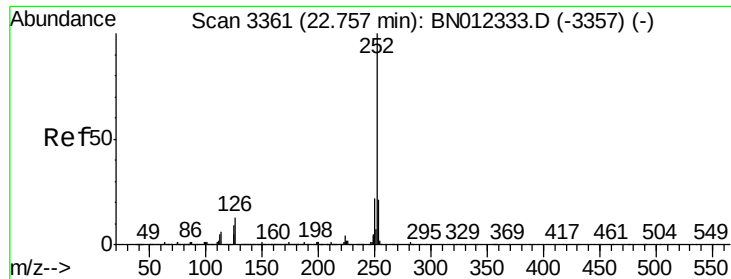
Tot Ion:228 Resp: 1142518
Ion Ratio Lower Upper
228 100
226 32.0 21.8 32.6
229 22.6 14.6 21.8#



#88
Benzo(b)fluoranthene
Concen: 5.690 ng/ul
RT: 22.71 min Scan# 3353
Delta R.T. -0.01 min
Lab File: BN012340.D
Acq: 18 Oct 2020 21:24

Tgt Ion:252 Resp: 384825
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 14.4 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 1.448 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BN012340.D

Acq: 18 Oct 2020 21:24

Instrument :

BNA_N

ClientSampleId :

BEQD9

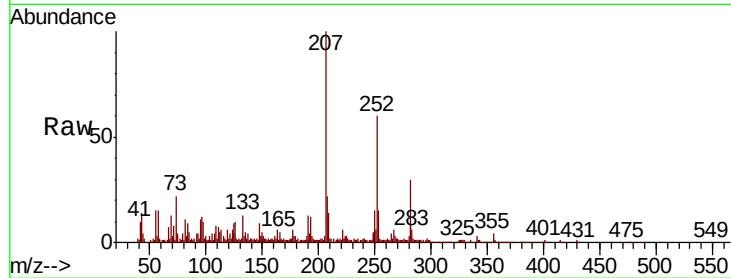
Tot Ion:252 Resp: 95074

Ion Ratio Lower Upper

252 100

253 25.5 17.6 26.4

125 15.3 7.6 11.4#



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

