

Data File : BN005486.D
Acq On : 06 May 2019 10:45
Operator : JU/SJ
Sample : K2604-06DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ80DL

Quant Time: May 07 05:39:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	286950	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1218677	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	739601	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1580647	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1008528	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1097019	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	5204	0.88	ng/uL	0.00
5) Phenol-d5	6.78	99	112666	5.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	66852	4.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	96100	5.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	85015	4.83	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	50428	6.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	49903	6.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	95769	5.49	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	112638	6.27	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	335358	6.25	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	407757	6.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	26546	3.13	ng/ul	0.02
57) Fluorene-d10	15.23	176	288963	6.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	3746	0.53	ng/ul	0.01
70) Anthracene-d10	17.08	188	450076	6.79	ng/ul	0.00
78) Pyrene-d10	19.40	212	397845	7.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	310672	6.48	ng/ul	0.01

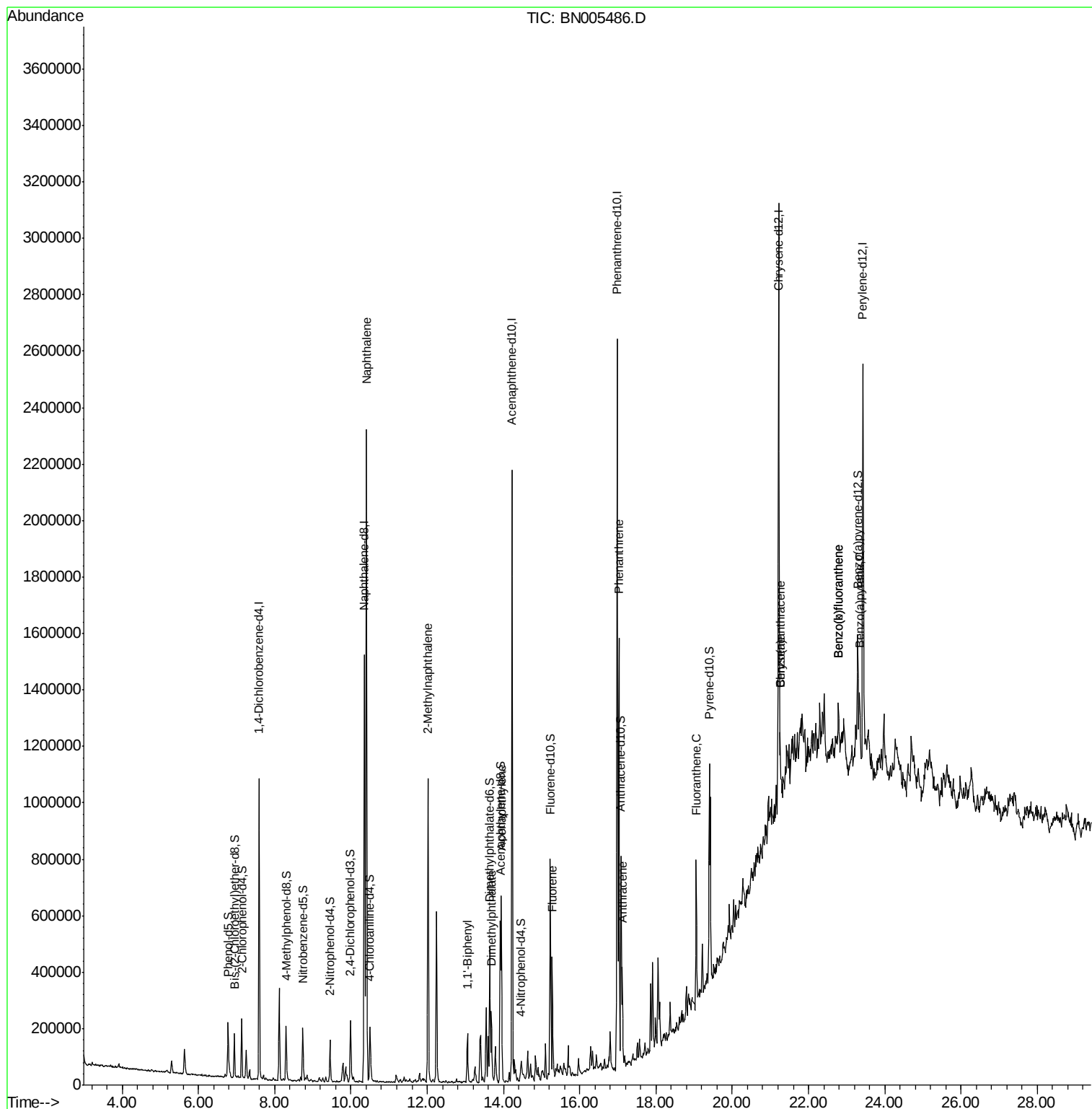
Target Compounds				Qvalue		
28) Naphthalene	10.40	128	1837627	32.436	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	525385	12.665	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	84453	1.533	ng/ul	98
44) Dimethylphthalate	13.69	163	79014	1.477	ng/ul	99
47) Acenaphthylene	13.95	152	429936	6.634	ng/ul	97
58) Fluorene	15.28	166	201537	4.055	ng/ul	98
69) Phenanthrene	17.03	178	932729	12.117	ng/ul	99
71) Anthracene	17.12	178	218745	2.789	ng/ul	99
76) Fluoranthene	19.06	202	312651	3.662	ng/ul#	94
82) Benzo(a)anthracene	21.26	228	103984	1.657	ng/ul	92
84) Chrysene	21.26	228	104198	1.789	ng/ul	95
87) Benzo(b)fluoranthene	22.78	252	81058	1.314	ng/ul#	76
88) Benzo(k)fluoranthene	22.78	252	81058	1.376	ng/ul#	75
90) Benzo(a)pyrene	23.33	252	87038	1.502	ng/ul#	83

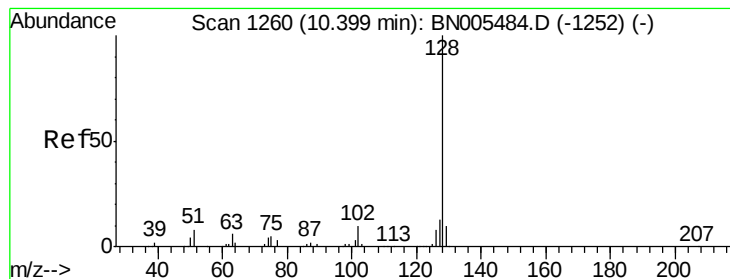
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 32.436 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

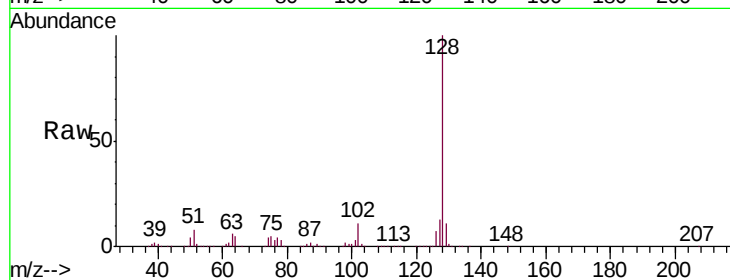
BNA_N

ClientSampleId :

GAJ80DL

Tgt Ion:128 Resp: 1837627

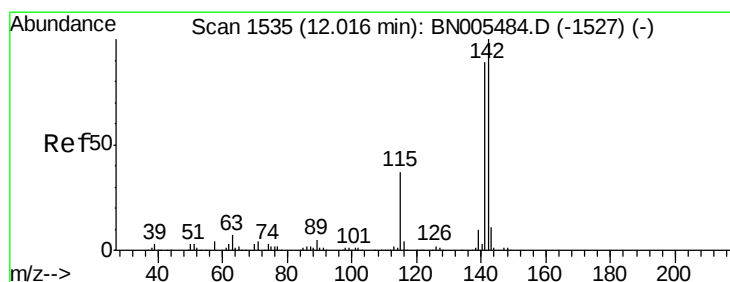
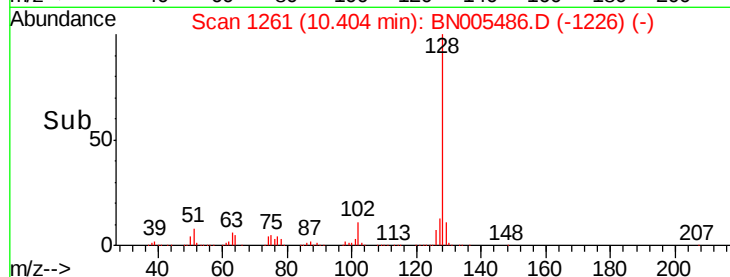
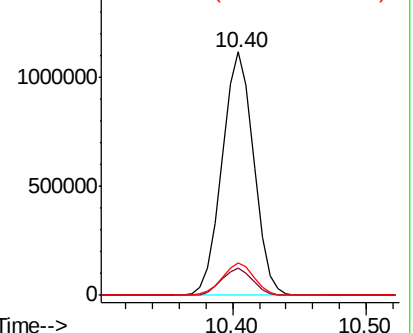
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.3	10.7	16.1



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: 12.665 ng/ul

RT: 12.02 min Scan# 1536

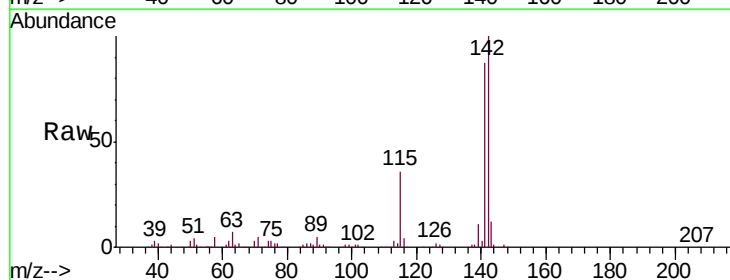
Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

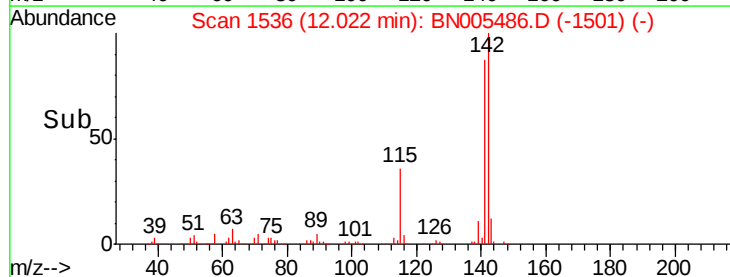
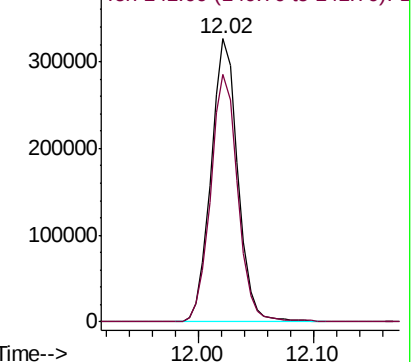
Tgt Ion:142 Resp: 525385

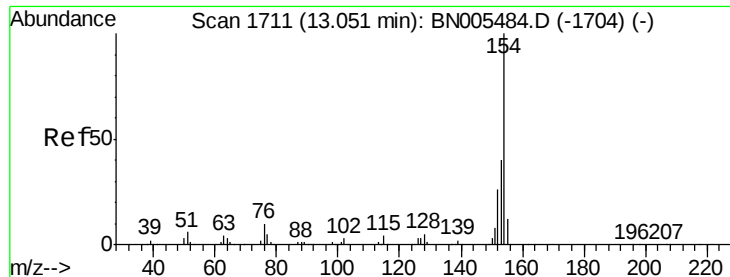
Ion	Ratio	Lower	Upper
142	100		
141	87.2	72.0	108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 1.533 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

BNA_N

ClientSampleId :

GAJ80DL

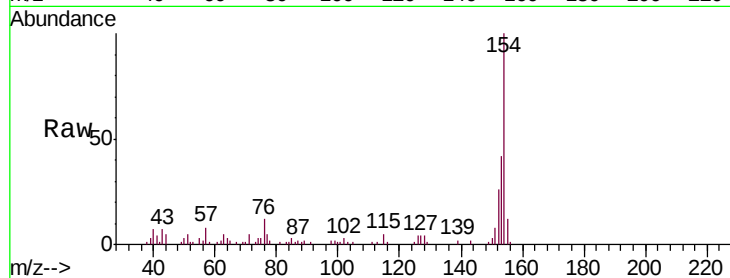
Tgt Ion:154 Resp: 84453

Ion Ratio Lower Upper

154 100

153 41.6 32.6 49.0

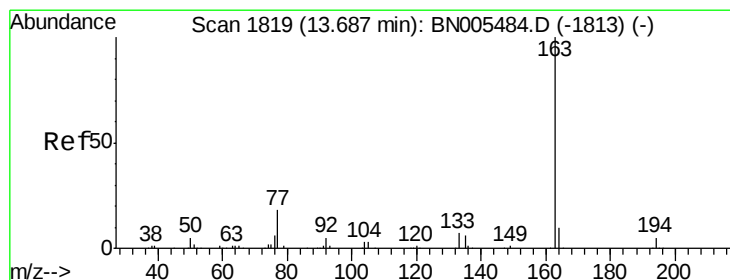
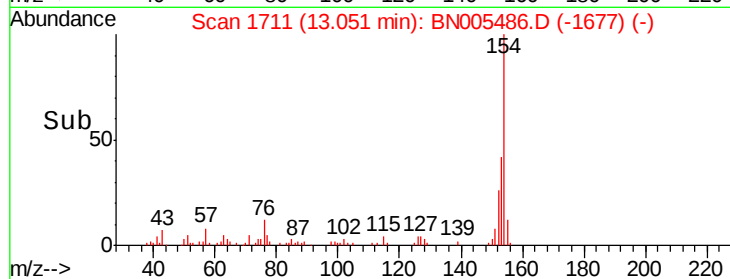
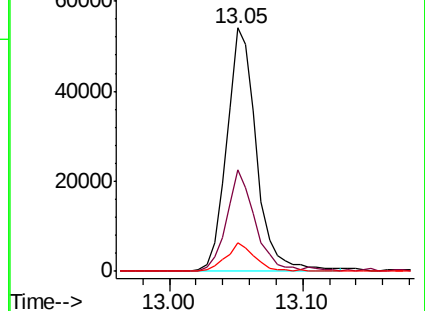
76 11.8 10.4 15.6



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



#44

Dimethylphthalate

Concen: 1.477 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

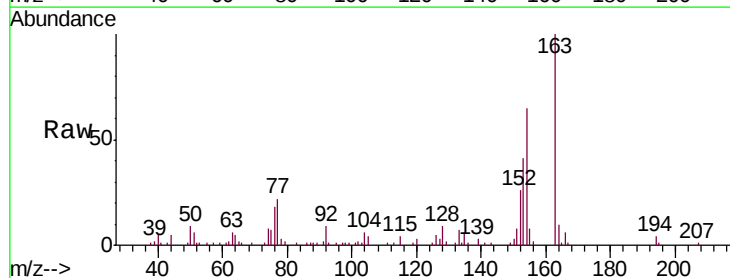
Tgt Ion:163 Resp: 79014

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

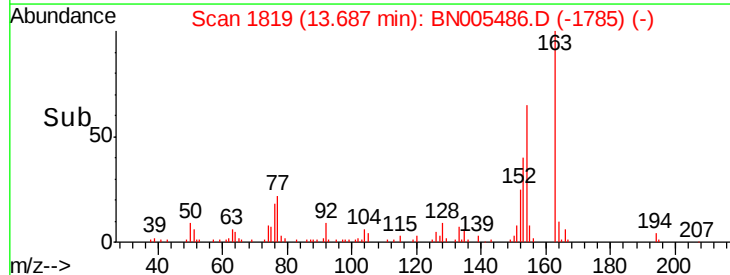
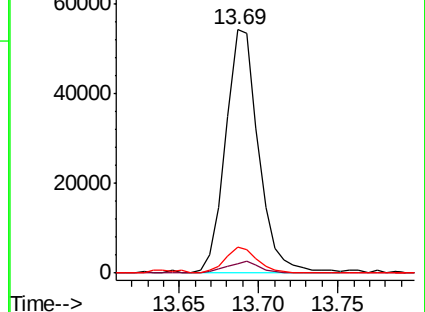
164 10.5 8.1 12.1

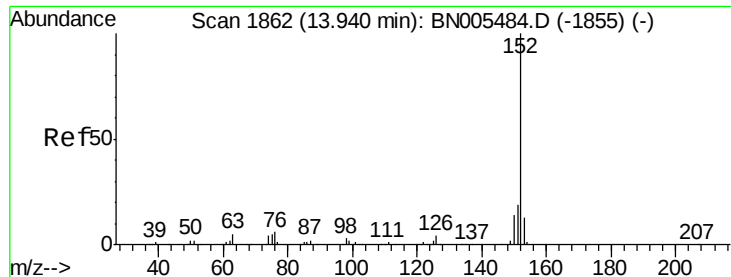


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 6.634 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

BNA_N

ClientSampleId :

GAJ80DL

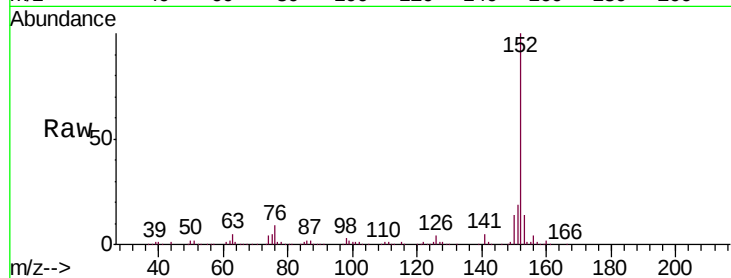
Tgt Ion:152 Resp: 429936

Ion Ratio Lower Upper

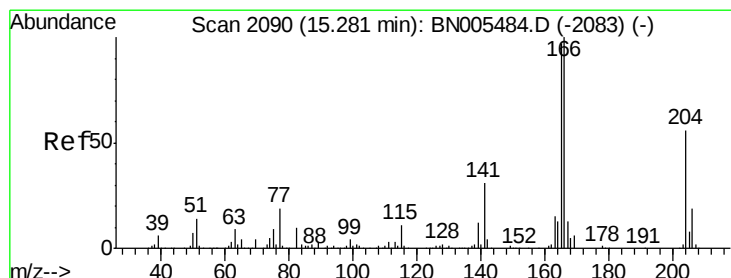
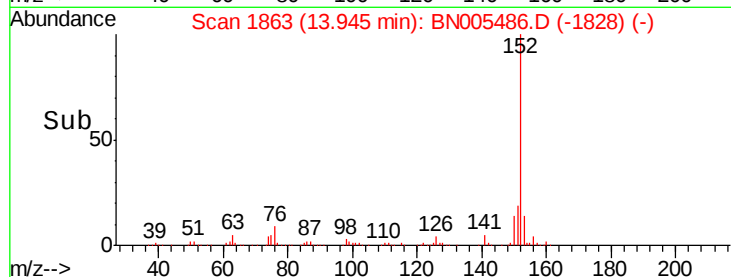
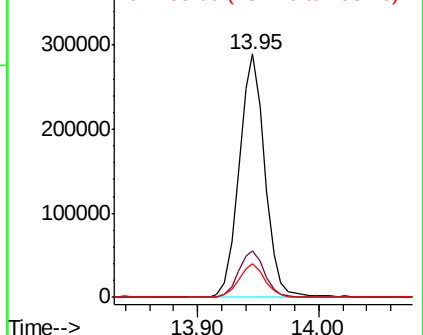
152 100

151 19.0 15.8 23.8

153 13.9 9.8 14.8



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



#58

Fluorene

Concen: 4.055 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

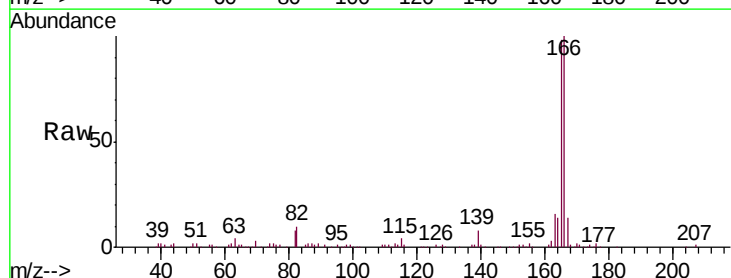
Tgt Ion:166 Resp: 201537

Ion Ratio Lower Upper

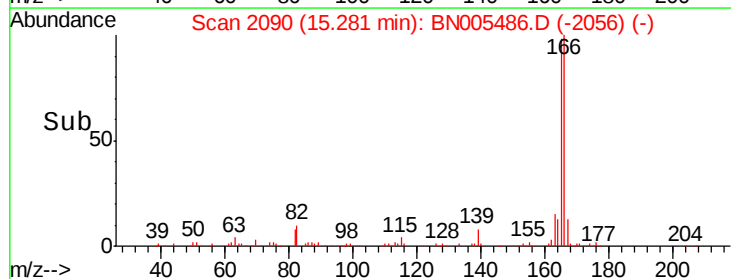
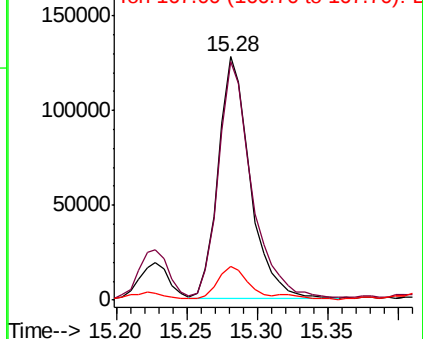
166 100

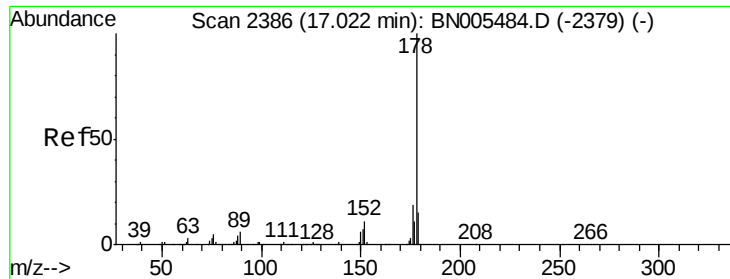
165 97.8 80.0 120.0

167 13.7 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





#69

Phenanthrene

Concen: 12.117 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

BNA_N

ClientSampleId :

GAJ80DL

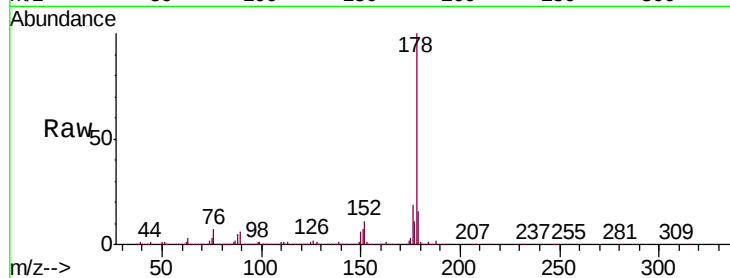
Tgt Ion:178 Resp: 932729

Ion Ratio Lower Upper

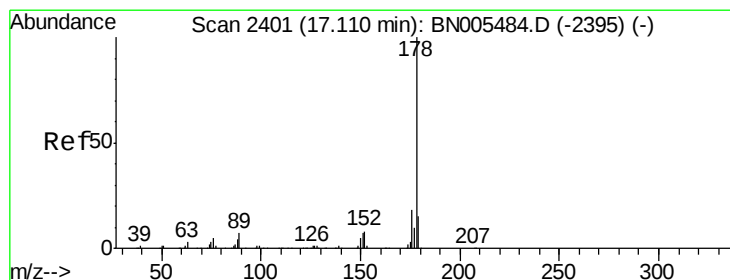
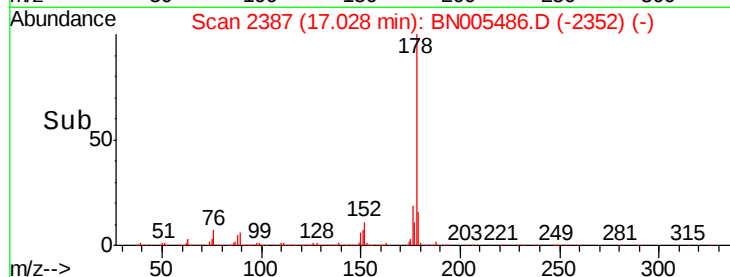
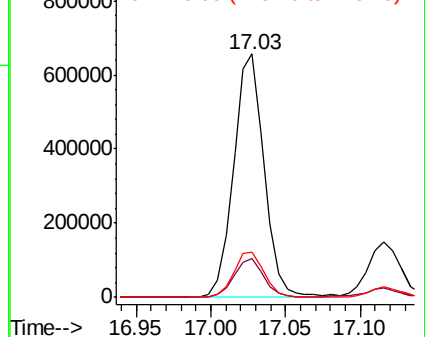
178 100

179 15.8 12.2 18.4

176 18.8 15.1 22.7



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: 2.789 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

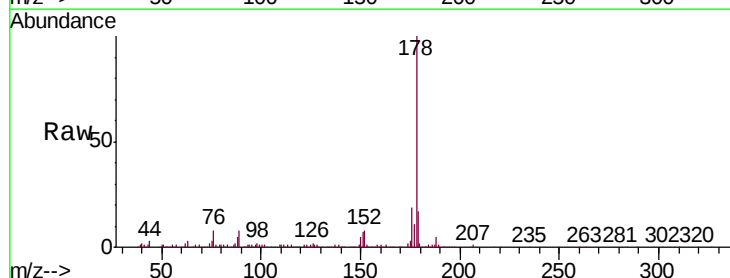
Tgt Ion:178 Resp: 218745

Ion Ratio Lower Upper

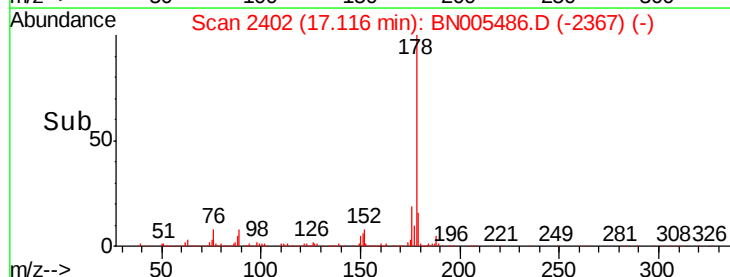
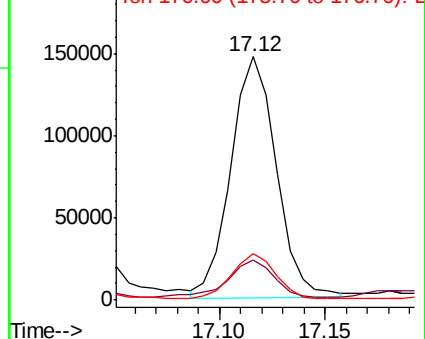
178 100

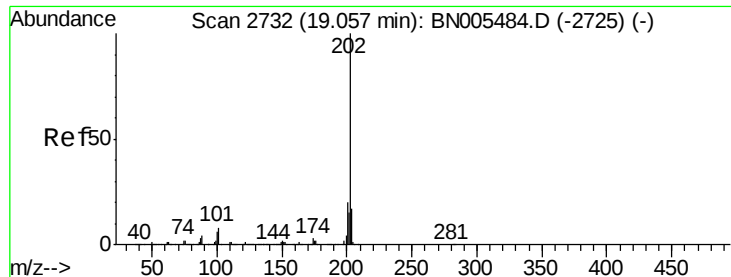
179 16.7 12.3 18.5

176 18.9 15.1 22.7



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

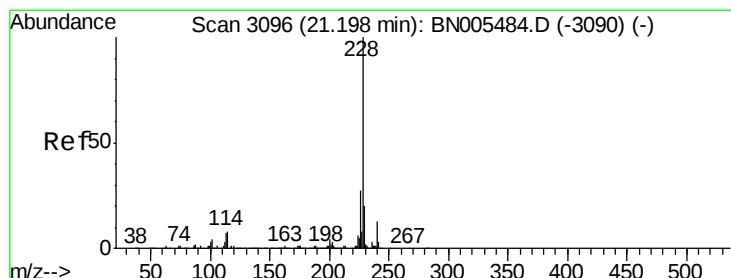
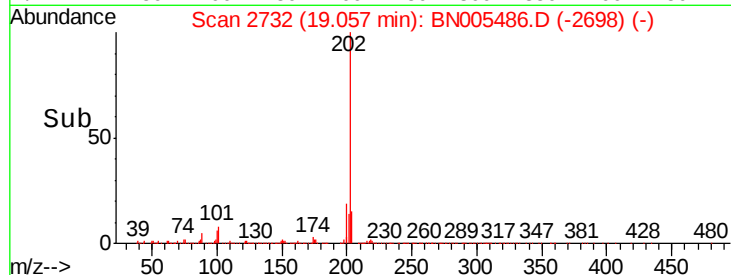
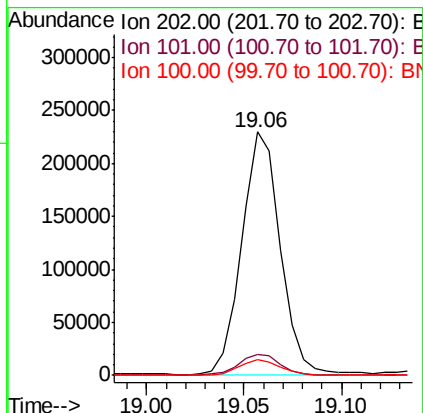
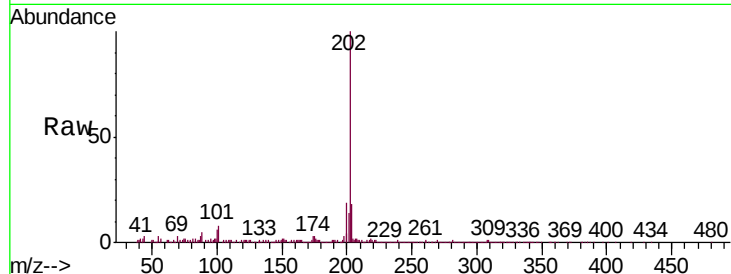




#76
 Fluoranthene
 Concen: 3.662 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: BN005486.D
 Acq: 06 May 2019 10:45

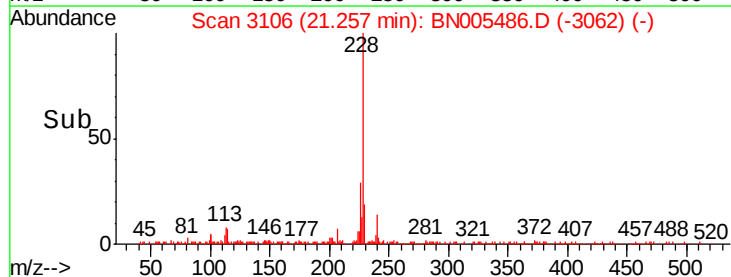
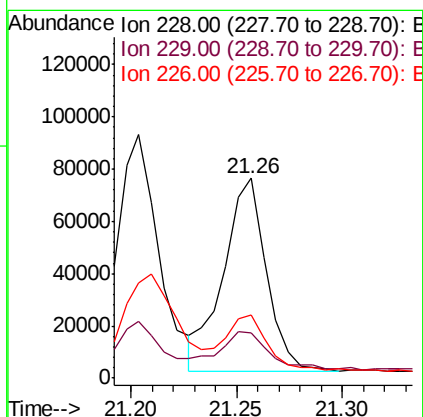
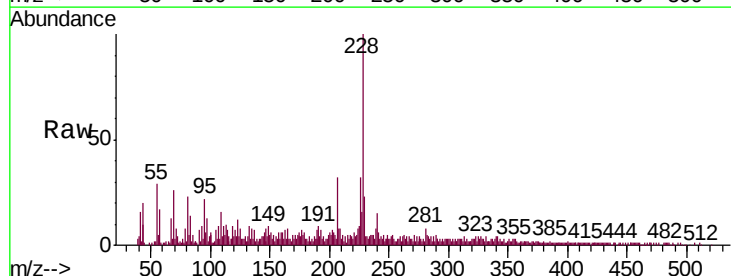
Instrument :
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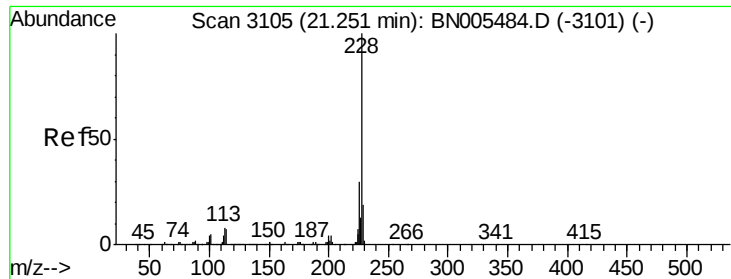
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	8.6	12.8#
100	6.3	6.3	9.5#



#82
 Benzo(a)anthracene
 Concen: 1.657 ng/ul
 RT: 21.26 min Scan# 3106
 Delta R.T. 0.06 min
 Lab File: BN005486.D
 Acq: 06 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.8	15.8	23.6
226	31.8	21.4	32.2





#84

Chrysene

Concen: 1.789 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

BNA_N

ClientSampleId :

GAJ80DL

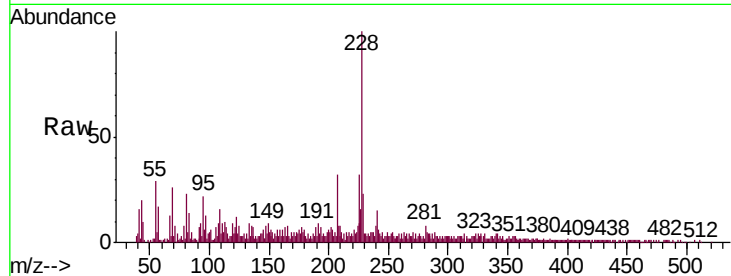
Tgt Ion:228 Resp: 104198

Ion Ratio Lower Upper

228 100

226 31.8 24.0 36.0

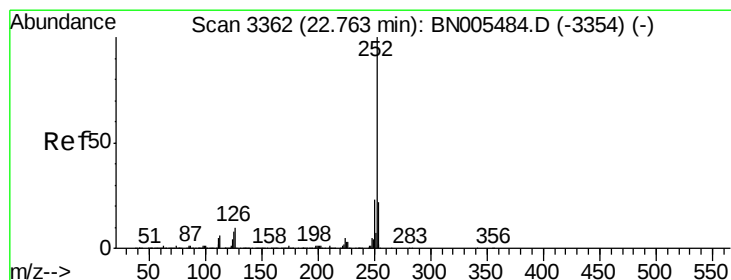
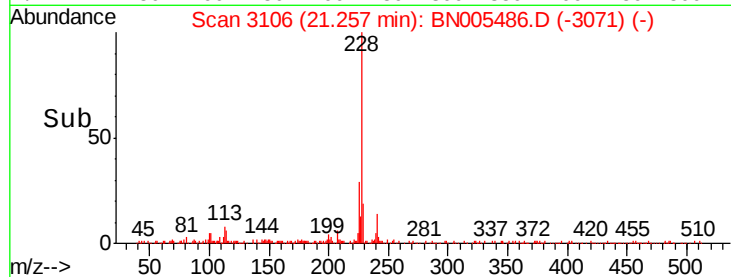
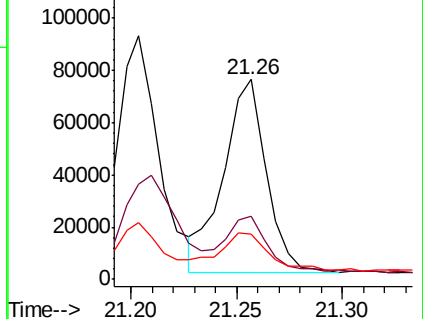
229 22.8 15.4 23.0



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: 1.314 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.02 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

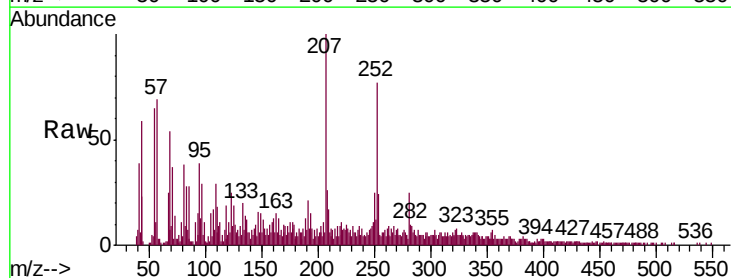
Tgt Ion:252 Resp: 81058

Ion Ratio Lower Upper

252 100

253 30.5 17.7 26.5#

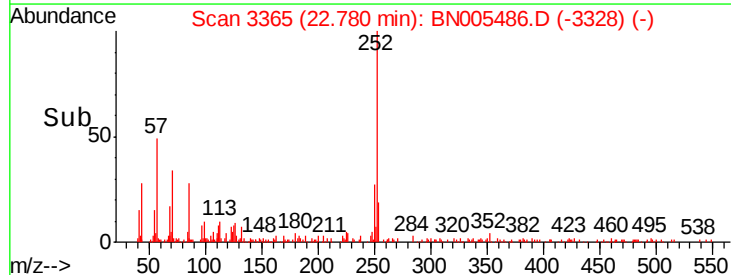
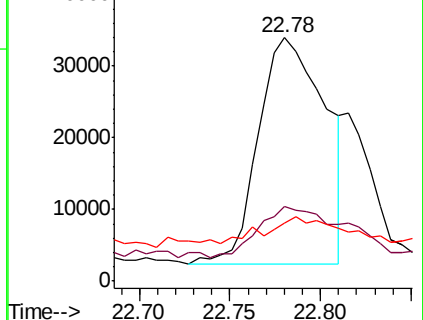
125 24.0 8.4 12.6#

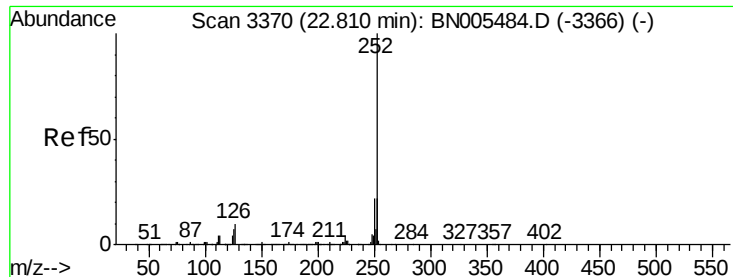


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 1.376 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.03 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

BNA_N

ClientSampleId :

GAJ80DL

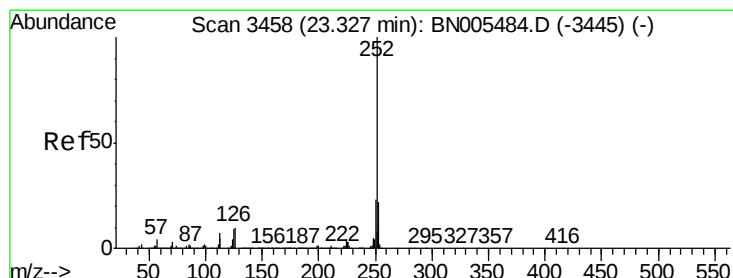
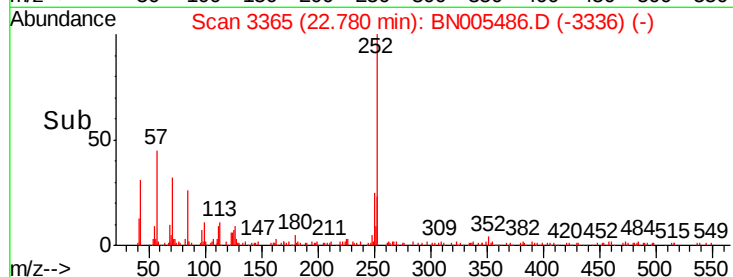
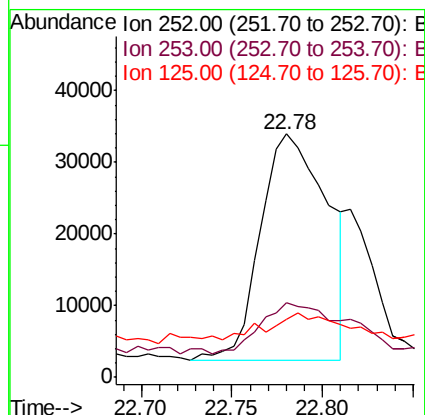
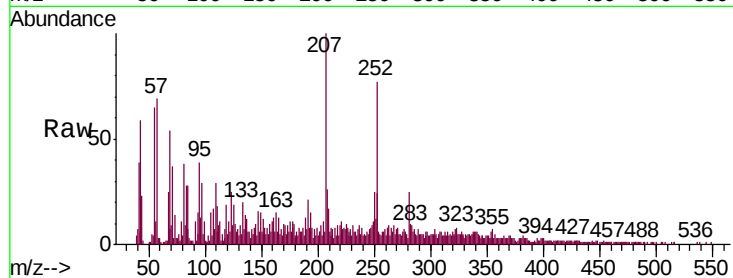
Tgt Ion:252 Resp: 81058

Ion Ratio Lower Upper

252 100

253 30.5 17.4 26.0#

125 24.0 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 1.502 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Tgt Ion:252 Resp: 87038

Ion Ratio Lower Upper

252 100

253 28.5 17.3 25.9#

125 19.5 8.6 13.0#

