

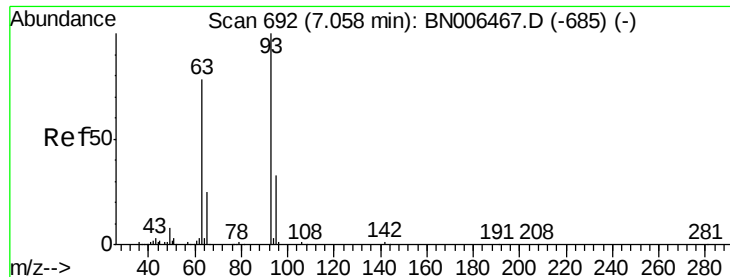
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062619\
 Data File : BN006584.D
 Acq On : 26 Jun 2019 18:45
 Operator : HP/JU
 Sample : K3498-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C5AB0

Quant Time: Jun 27 02:05:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 26 18:22:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	172327	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	843310	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	511120	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	1155419	20.00	ng/ul	-0.01
77) Chrysene-d12	21.49	240	6999	20.00	ng/ul	0.04
85) Perylene-d12	23.96	264	27331	20.00	ng/ul	0.09
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	21329	4.83	ng/uL	0.00
5) Phenol-d5	6.80	99	478916	26.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	301293	26.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	367095	27.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	327948	22.53	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	192597	28.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	218351	29.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	388205	27.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	358121	22.03	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	1305735	29.15	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	1524990	27.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	164259	21.46	ng/ul	0.00
57) Fluorene-d10	15.27	176	1116938	29.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	173283	23.70	ng/ul	0.00
70) Anthracene-d10	17.13	188	1702631	29.27	ng/ul	-0.01
78) Pyrene-d10	19.45	212	1833533	4484.88	ng/ul	-0.02
89) Benzo(a)pyrene-d12	23.80	264	17021	11.03	ng/ul	0.08
Target Compounds						
					Qvalue	
8) Bis(2-Chloroethyl)ether	7.05	93	18860	1.400	ng/ul#	22
11) 2-Methylphenol	7.91	108	22895	1.709	ng/ul#	14
44) Dimethylphthalate	13.73	163	370679	8.976	ng/ul	100
49) Acenaphthene	14.33	153	67463	1.946	ng/ul	95
58) Fluorene	15.33	166	77045	1.984	ng/ul	99
69) Phenanthrene	17.07	178	2699307	42.356	ng/ul	100
71) Anthracene	17.16	178	383318	5.925	ng/ul	100
74) Carbazole	17.44	167	138521	2.481	ng/ul	98
76) Fluoranthene	19.11	202	6550142	95.370	ng/ul	98
79) Pyrene	19.47	202	5337236	11200.295	ng/ul	97
80) Butylbenzylphthalate	20.53	149	480	2.246	ng/ul#	66
81) 3,3'-Dichlorobenzidine	21.42	252	8759	59.190	ng/ul#	1
82) Benzo(a)anthracene	21.49	228	8292	17.333	ng/ul#	1
83) Bis(2-ethylhexyl)phthalate	21.40	149	1278	4.171	ng/ul#	80
84) Chrysene	21.57	228	1095	2.405	ng/ul#	1
87) Benzo(b)fluoranthene	23.39	252	2682740	1635.520	ng/ul	98
88) Benzo(k)fluoranthene	23.39	252	2691585	1716.927	ng/ul	98
90) Benzo(a)pyrene	23.88	252	6156	3.914	ng/ul#	10
91) Indeno(1,2,3-cd)pyrene	26.40	276	1234272	663.089	ng/ul	95
93) Benzo(g,h,i)perylene	26.96	276	3741	2.386	ng/ul#	42

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



#8

Bis(2-Chloroethyl)ether

Concen: 1.400 ng/ul

RT: 7.05 min Scan# 690

Delta R.T. -0.01 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C5AB0

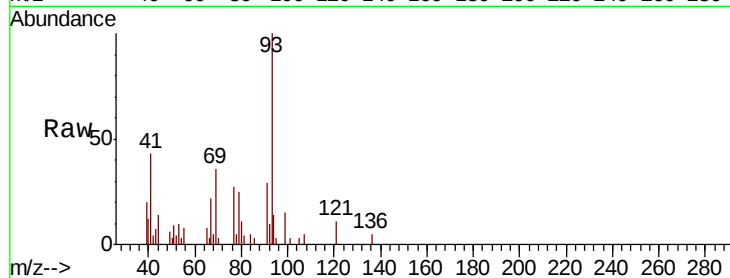
Tgt Ion: 93 Resp: 18860

Ion Ratio Lower Upper

93 100

63 0.0 61.8 92.8#

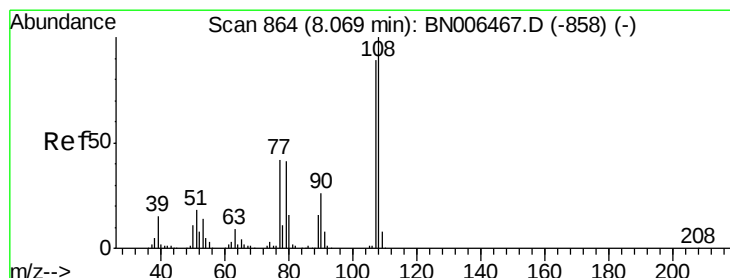
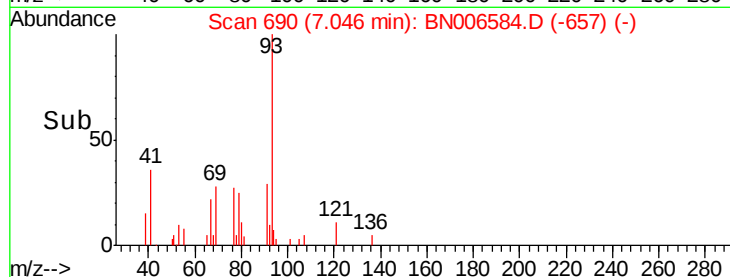
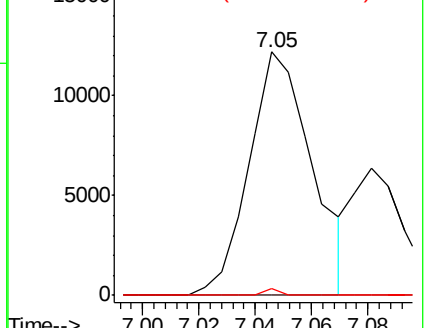
95 3.0 25.6 38.4#



Abundance Ion 93.00 (92.70 to 93.70): BN006467.D (-685) (-)

Ion 63.00 (62.70 to 63.70): BN006467.D (-685) (-)

Ion 95.00 (94.70 to 95.70): BN006467.D (-685) (-)



#11

2-Methylphenol

Concen: 1.709 ng/ul

RT: 7.91 min Scan# 837

Delta R.T. -0.16 min

Lab File: BN006584.D

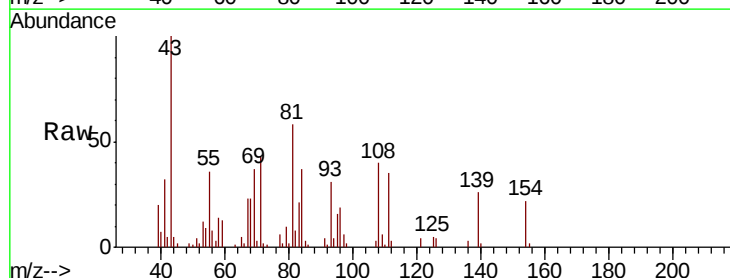
Acq: 26 Jun 2019 18:45

Tgt Ion: 108 Resp: 22895

Ion Ratio Lower Upper

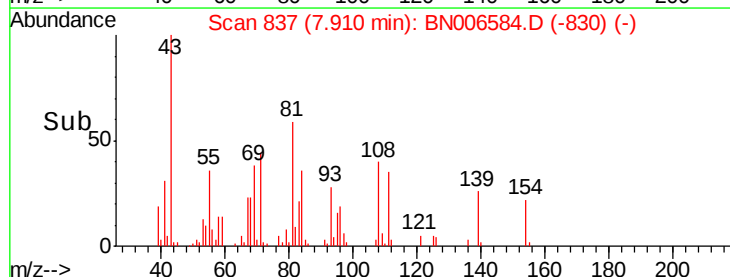
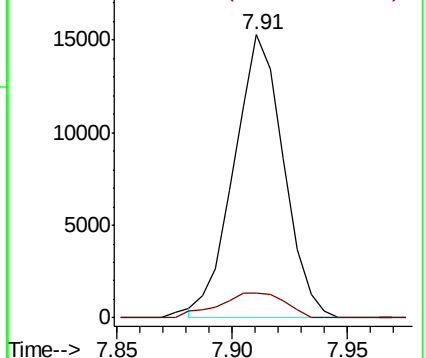
108 100

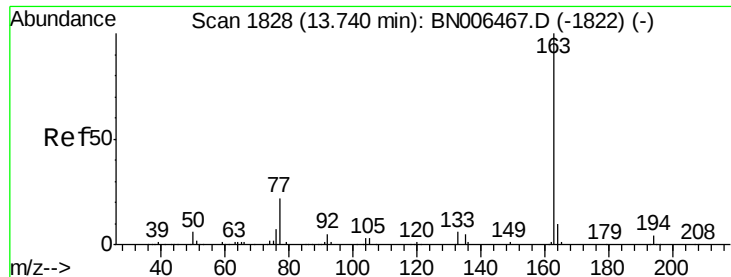
107 8.6 71.3 106.9#



Abundance Ion 108.00 (107.70 to 108.70): BN006467.D (-858) (-)

Ion 107.00 (106.70 to 107.70): BN006467.D (-858) (-)

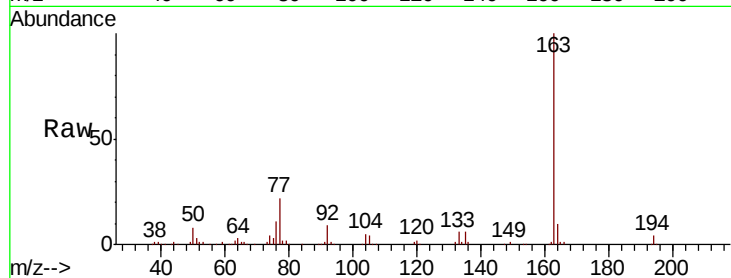




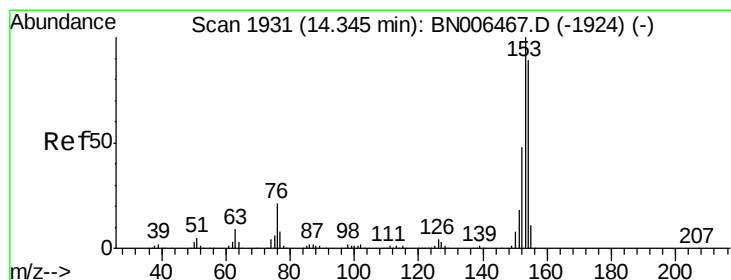
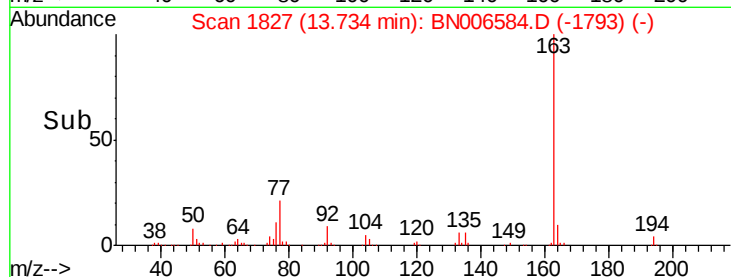
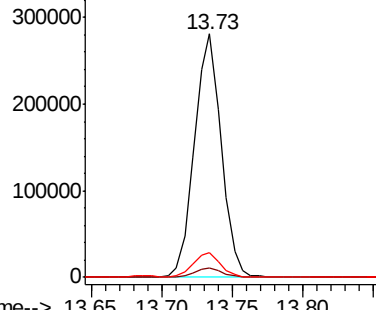
#44
Dimethylphthalate
Concen: 8.976 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BN006584.D
Acq: 26 Jun 2019 18:45

Instrument :
BNA_N
ClientSampleId :
C5AB0

Tgt Ion:163 Resp: 370679
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.9 8.0 12.0

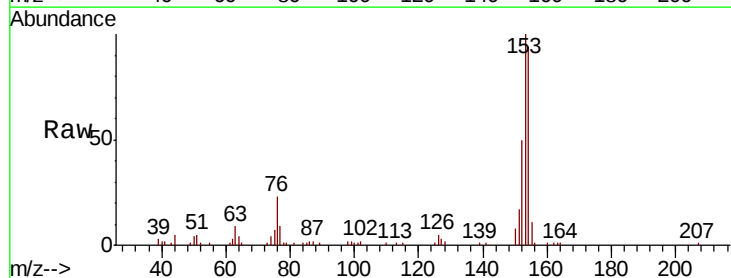


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

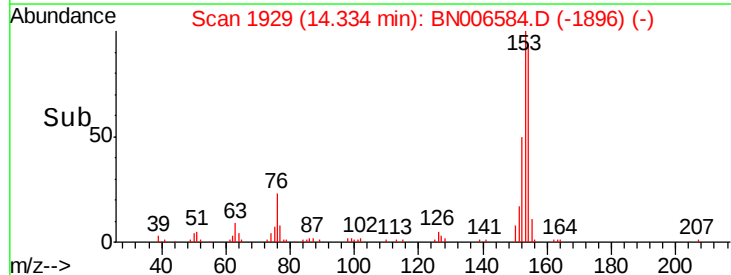
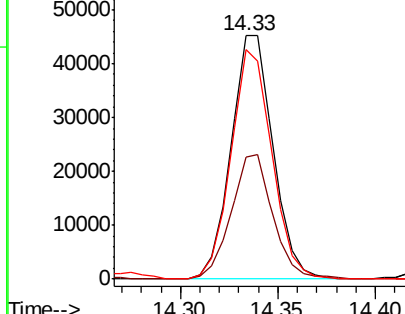


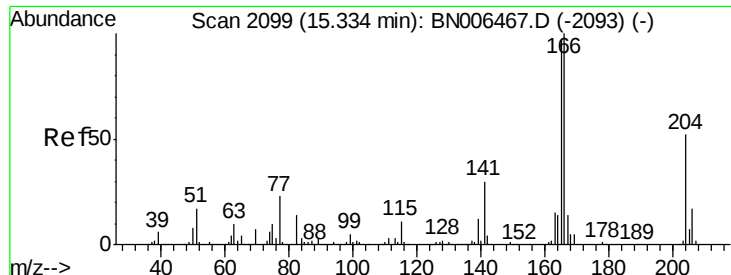
#49
Acenaphthene
Concen: 1.946 ng/ul
RT: 14.33 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BN006584.D
Acq: 26 Jun 2019 18:45

Tgt Ion:153 Resp: 67463
Ion Ratio Lower Upper
153 100
152 49.9 37.8 56.6
154 94.3 71.2 106.8



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





#58

Fluorene

Concen: 1.984 ng/ul

RT: 15.33 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C5AB0

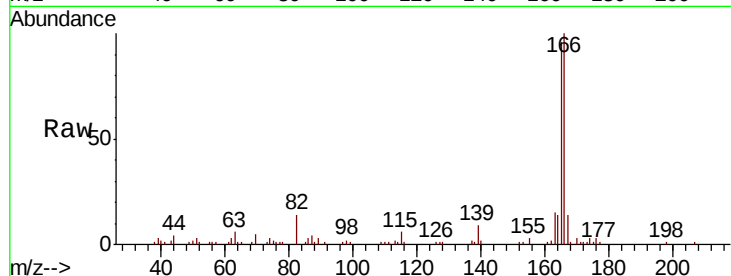
Tgt Ion:166 Resp: 77045

Ion Ratio Lower Upper

166 100

165 96.0 77.5 116.3

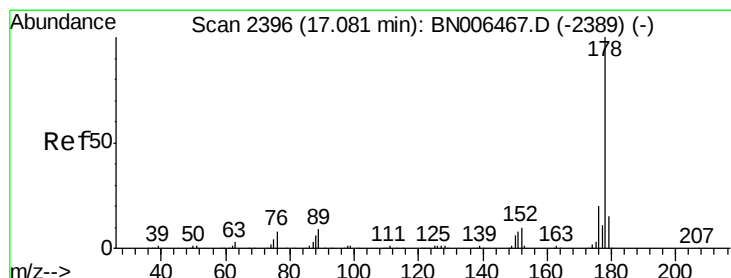
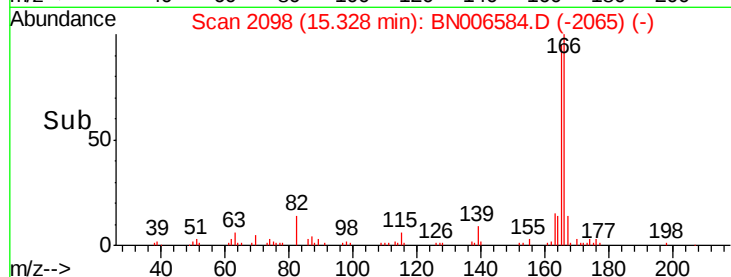
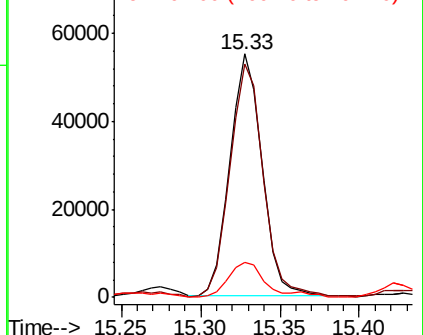
167 14.1 10.7 16.1



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: 42.356 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

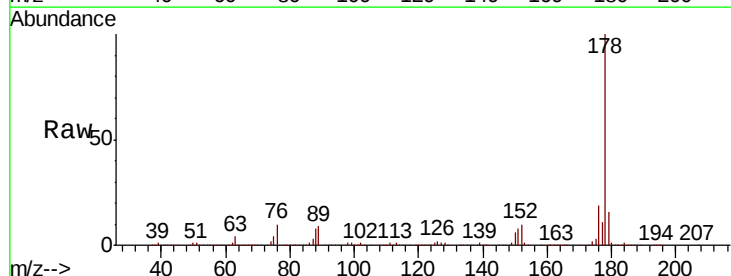
Tgt Ion:178 Resp: 2699307

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

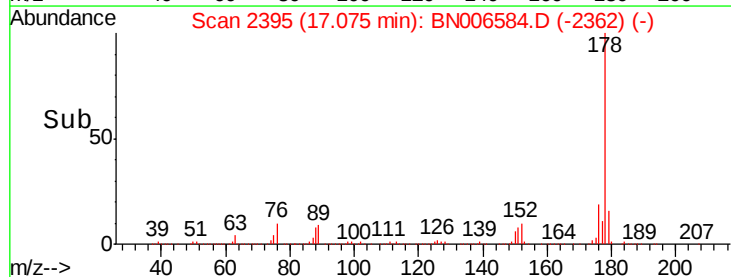
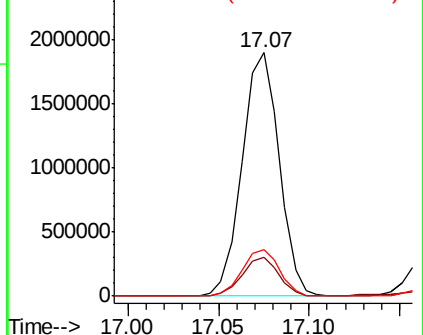
176 19.4 15.3 22.9

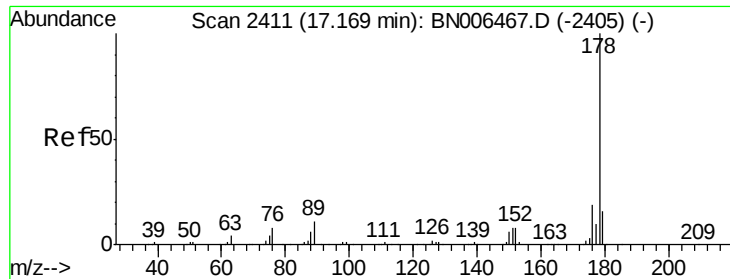


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

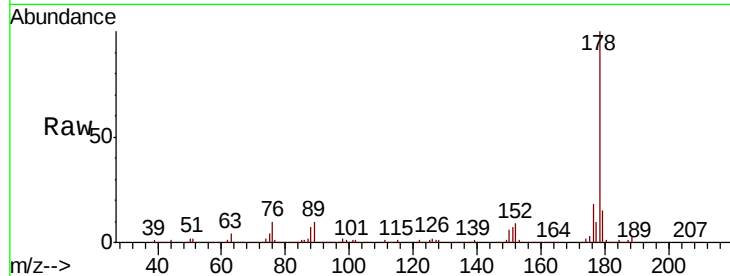




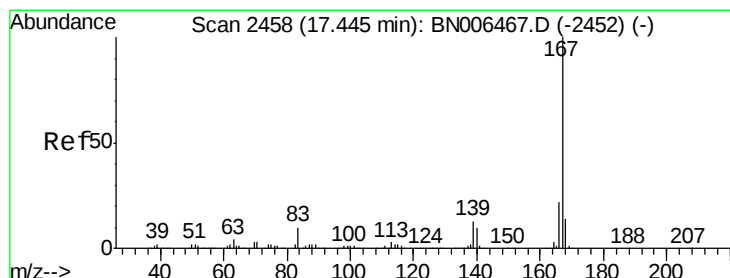
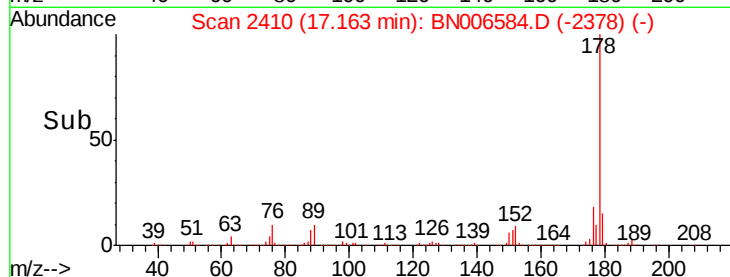
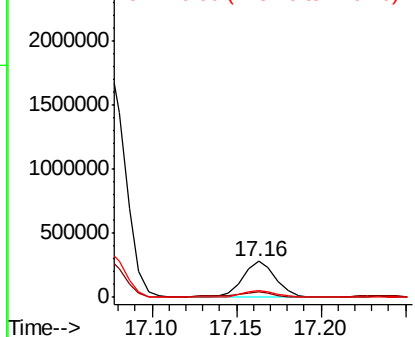
#71
 Anthracene
 Concen: 5.925 ng/ul
 RT: 17.16 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BN006584.D
 Acq: 26 Jun 2019 18:45

Instrument :
 BNA_N
 ClientSampleId :
 C5AB0

Tgt Ion:178 Resp: 383318
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.3 18.5
 176 18.3 14.7 22.1

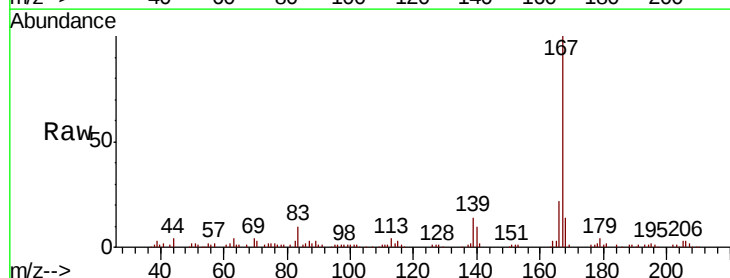


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

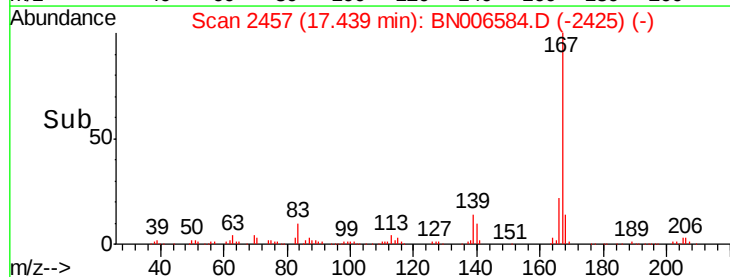
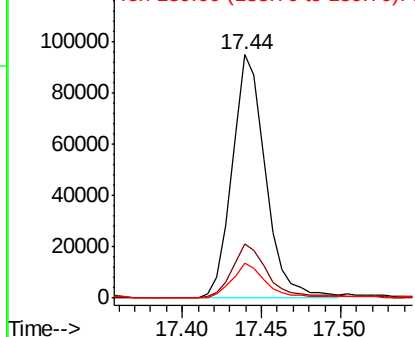


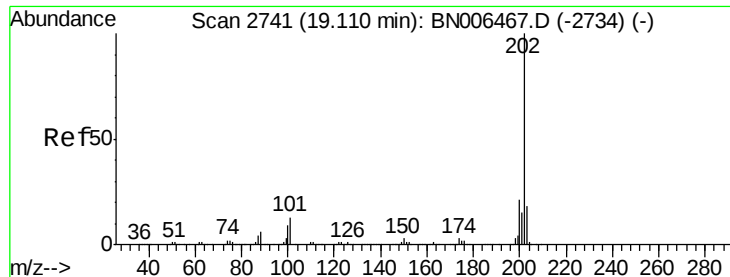
#74
 Carbazole
 Concen: 2.481 ng/ul
 RT: 17.44 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BN006584.D
 Acq: 26 Jun 2019 18:45

Tgt Ion:167 Resp: 138521
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.1 25.7
 139 14.2 10.5 15.7



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





#76

Fluoranthene

Concen: 95.370 ng/u1

RT: 19.11 min Scan# 2741

Delta R.T. -0.01 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C5AB0

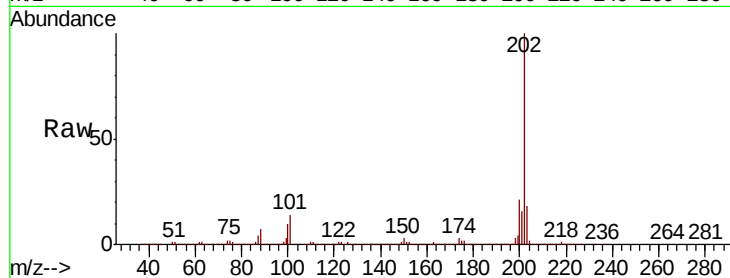
Tgt Ion:202 Resp: 6550142

Ion Ratio Lower Upper

202 100

101 13.8 10.5 15.7

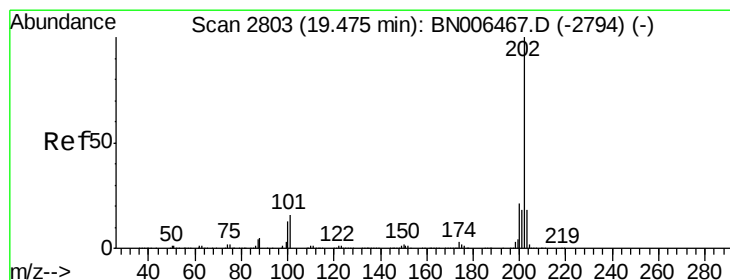
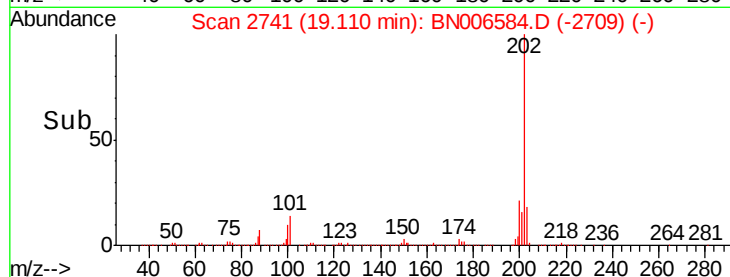
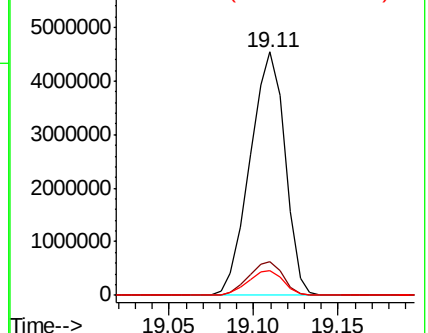
100 10.3 7.6 11.4



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



#79

Pyrene

Concen: 11200.295 ng/u1

RT: 19.47 min Scan# 2803

Delta R.T. -0.03 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

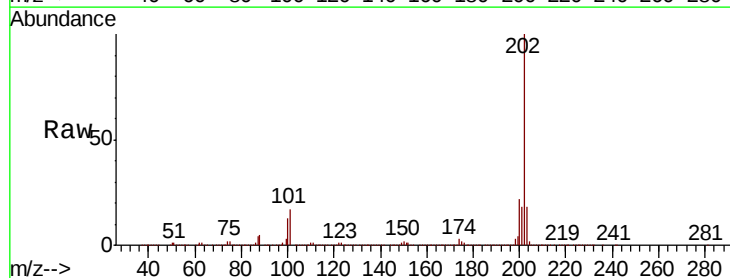
Tgt Ion:202 Resp: 5337236

Ion Ratio Lower Upper

202 100

101 16.6 12.2 18.4

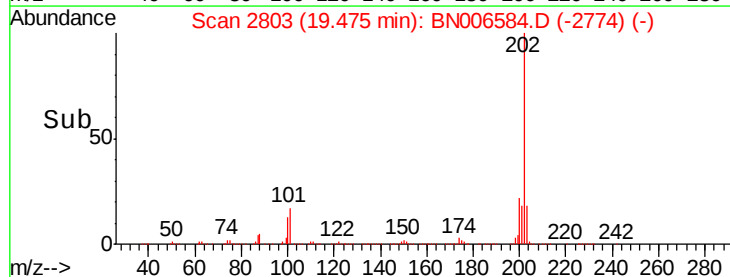
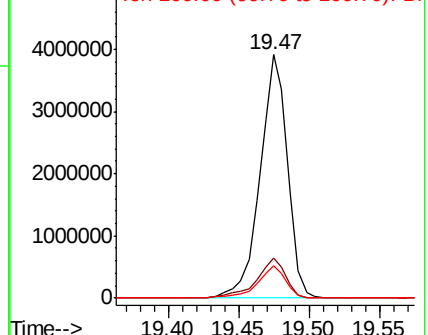
100 13.3 9.8 14.6

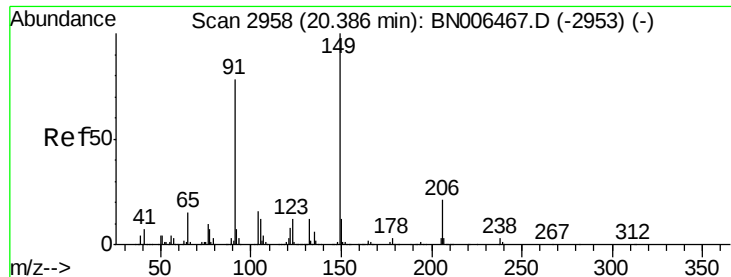


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

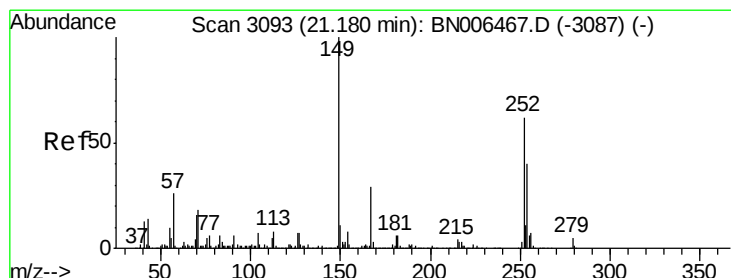
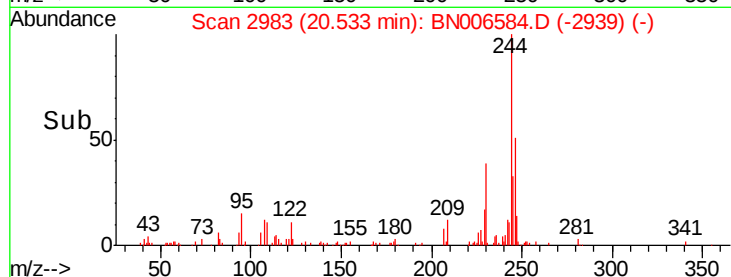
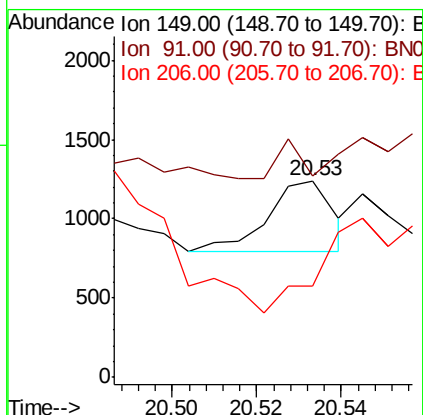
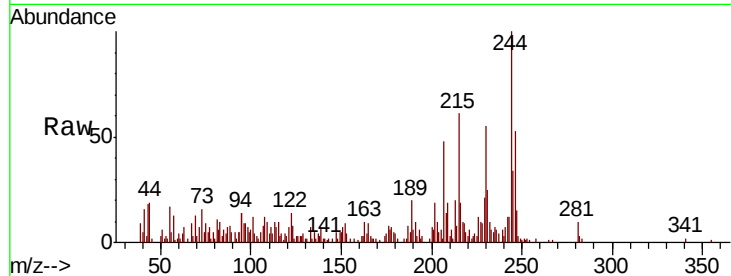




#80
Butylbenzylphthalate
Concen: 2.246 ng/ul
RT: 20.53 min Scan# 2983
Delta R.T. 0.06 min
Lab File: BN006584.D
Acq: 26 Jun 2019 18:45

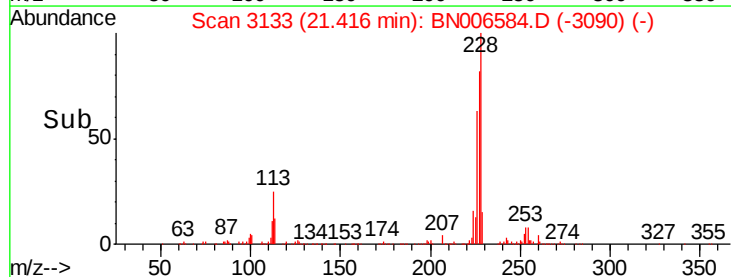
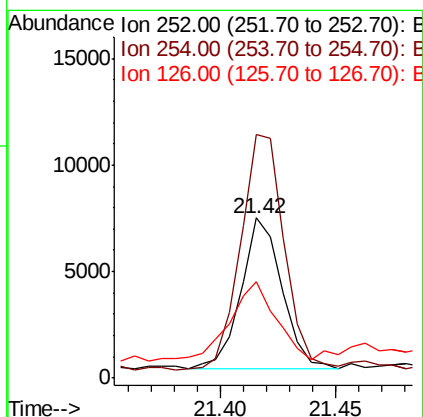
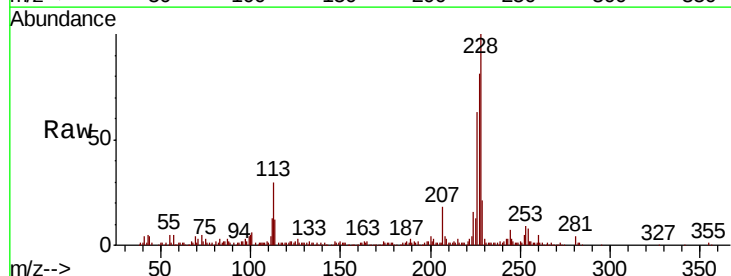
Instrument :
BNA_N
ClientSampleId :
C5AB0

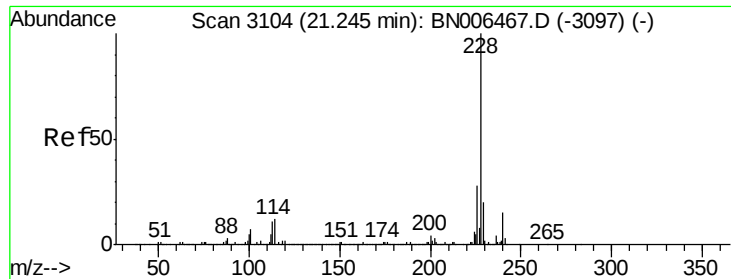
Tgt Ion:149 Resp: 480
Ion Ratio Lower Upper
149 100
91 102.9 62.7 94.1#
206 46.4 16.3 24.5#



#81
3,3'-Dichlorobenzidine
Concen: 59.190 ng/ul
RT: 21.42 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BN006584.D
Acq: 26 Jun 2019 18:45

Tgt Ion:252 Resp: 8759
Ion Ratio Lower Upper
252 100
254 152.3 51.8 77.8#
126 60.2 9.8 14.8#





#82

Benzo(a)anthracene

Concen: 17.333 ng/ul

RT: 21.49 min Scan# 3146

Delta R.T. 0.06 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C5AB0

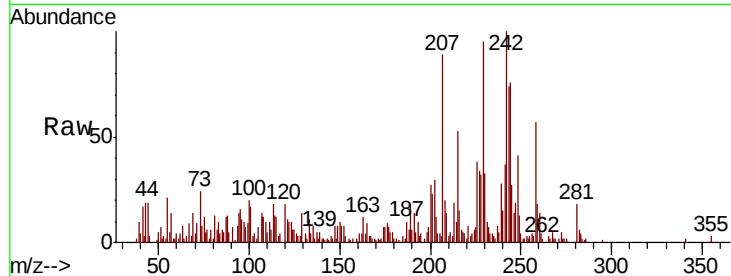
Tgt Ion:228 Resp: 8292

Ion Ratio Lower Upper

228 100

229 294.2 15.6 23.4#

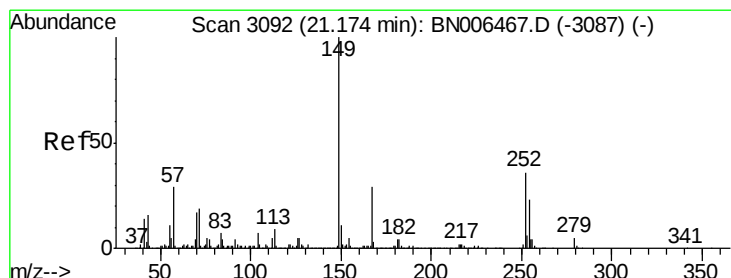
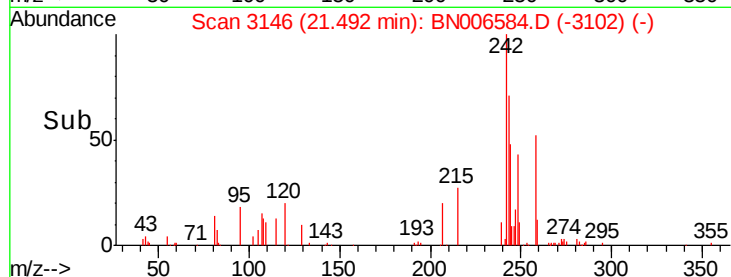
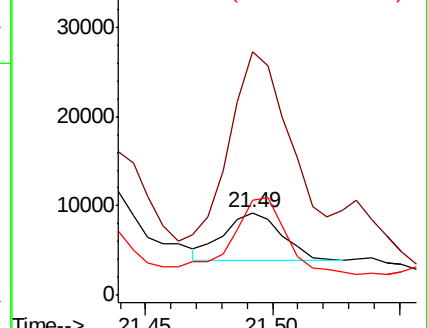
226 115.7 21.5 32.3#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.171 ng/ul

RT: 21.40 min Scan# 3131

Delta R.T. 0.04 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

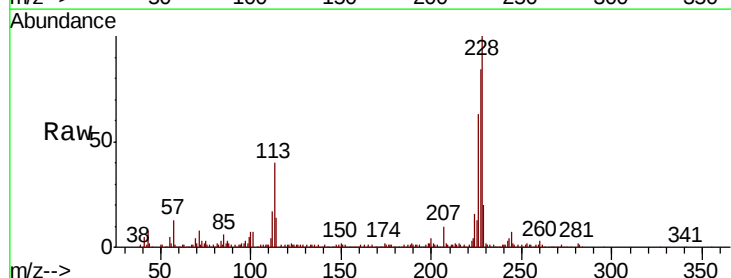
Tgt Ion:149 Resp: 1278

Ion Ratio Lower Upper

149 100

167 38.8 22.2 33.4#

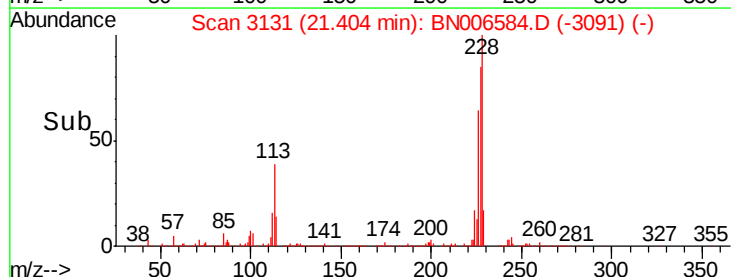
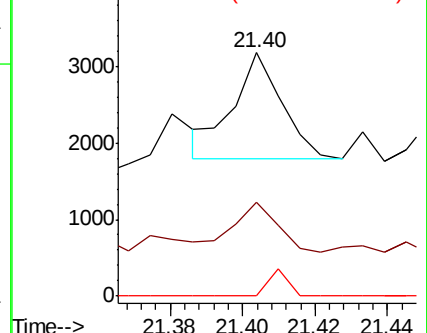
279 0.0 3.3 4.9#

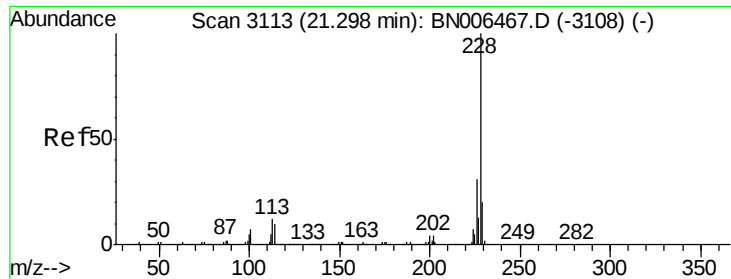


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 2.405 ng/ul

RT: 21.57 min Scan# 3160

Delta R.T. 0.08 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C5AB0

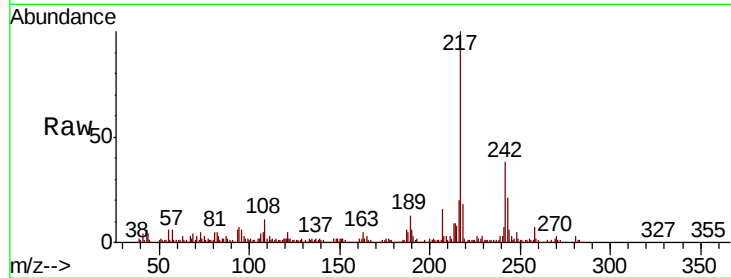
Tgt Ion:228 Resp: 1095

Ion Ratio Lower Upper

228 100

226 142.6 24.2 36.2#

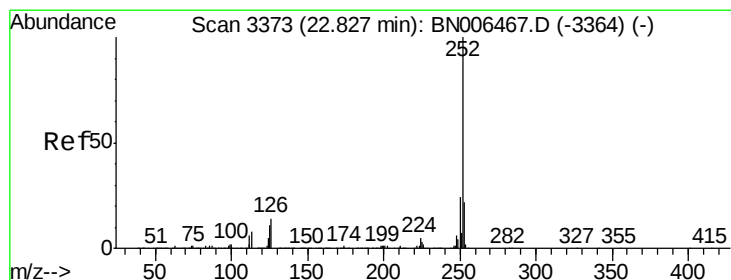
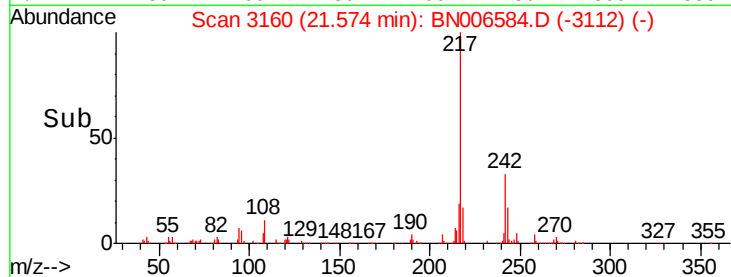
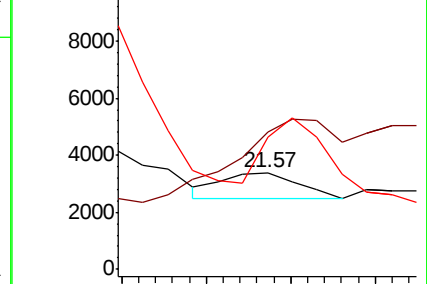
229 137.9 15.9 23.9#



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: 1635.520 ng/ul

RT: 23.39 min Scan# 3469

Delta R.T. 0.22 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

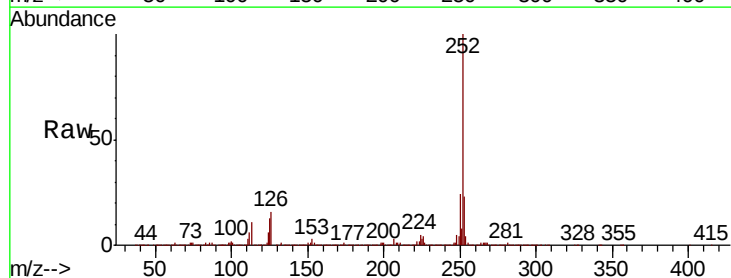
Tgt Ion:252 Resp: 2682740

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

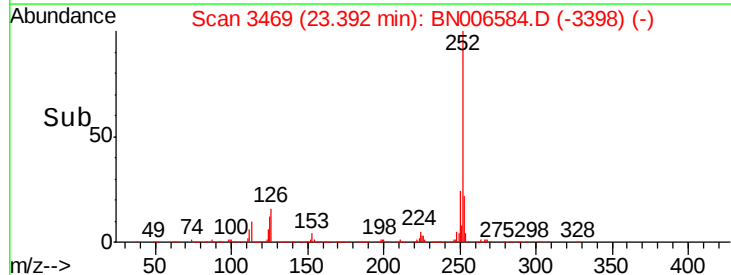
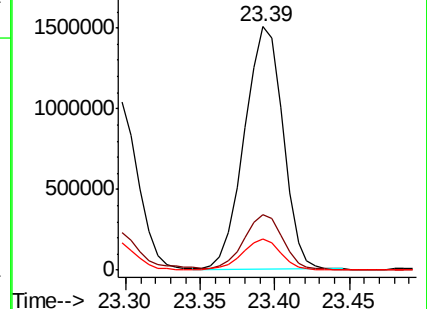
125 12.7 9.0 13.6

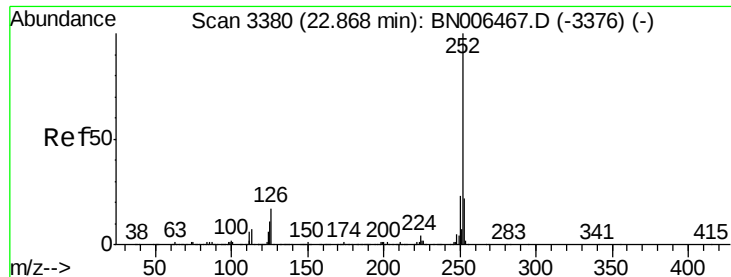


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 1716.927 ng/ul

RT: 23.39 min Scan# 3469

Delta R.T. 0.17 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

Instrument :

BNA_N

ClientSampleId :

C5AB0

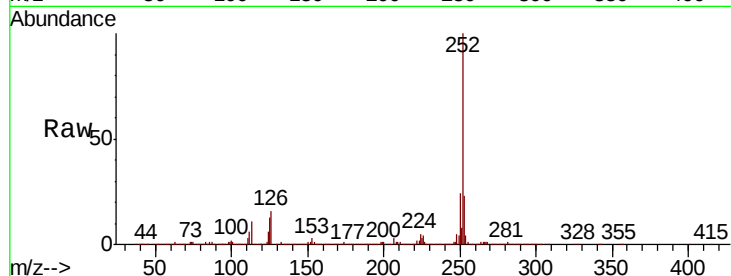
Tgt Ion:252 Resp: 2691585

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

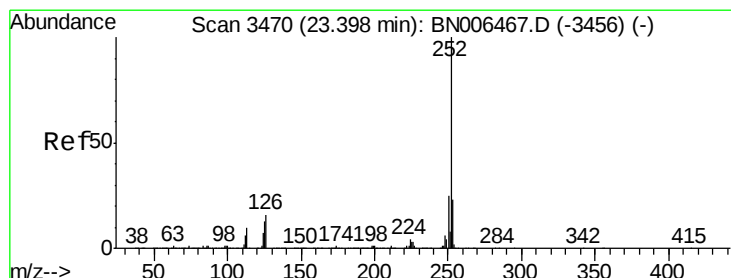
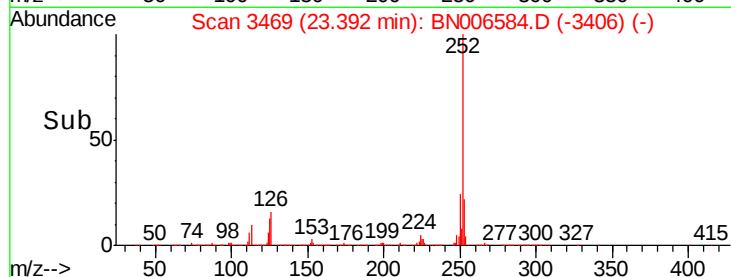
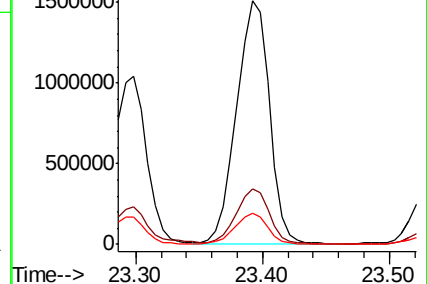
125 12.7 9.1 13.7



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: 3.914 ng/ul

RT: 23.88 min Scan# 3552

Delta R.T. 0.11 min

Lab File: BN006584.D

Acq: 26 Jun 2019 18:45

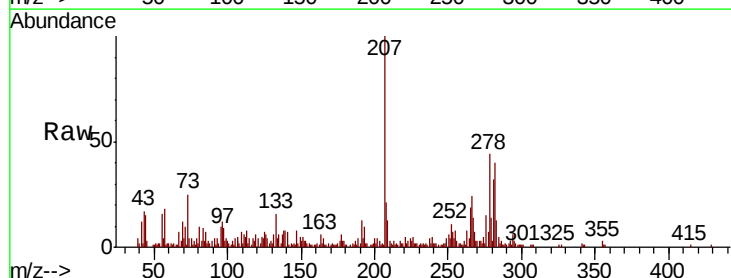
Tgt Ion:252 Resp: 6156

Ion Ratio Lower Upper

252 100

253 57.4 17.7 26.5#

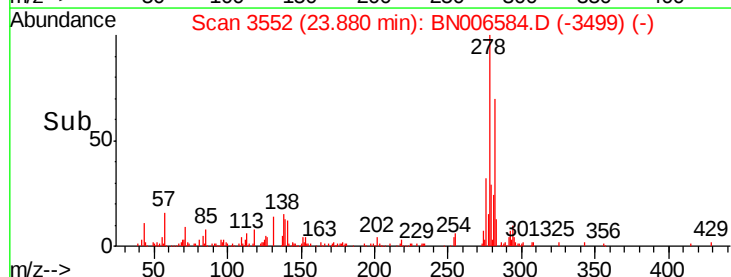
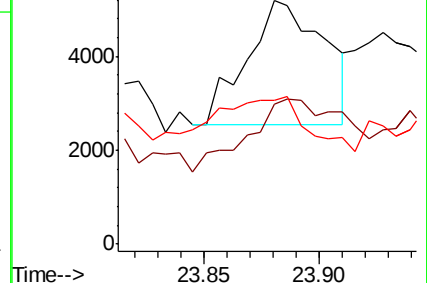
125 59.1 10.0 15.0#

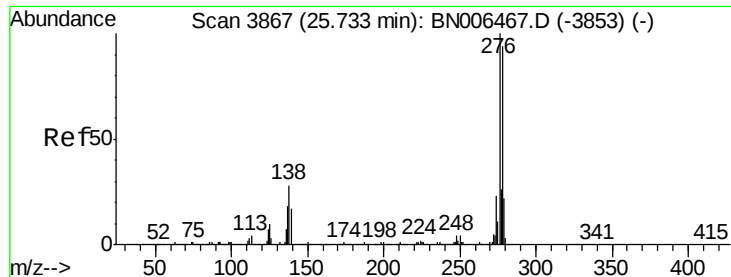


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



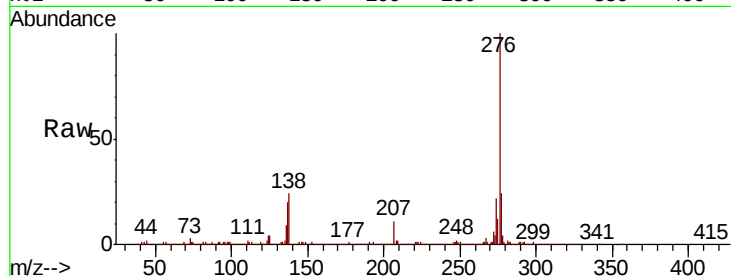


#91

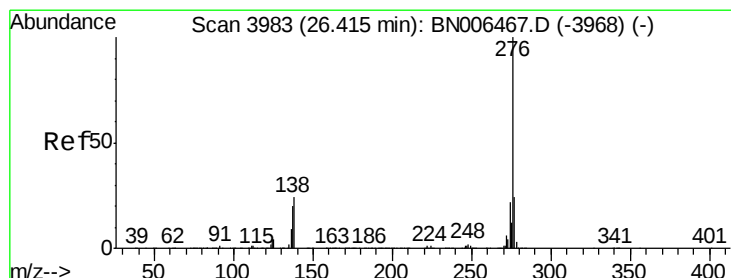
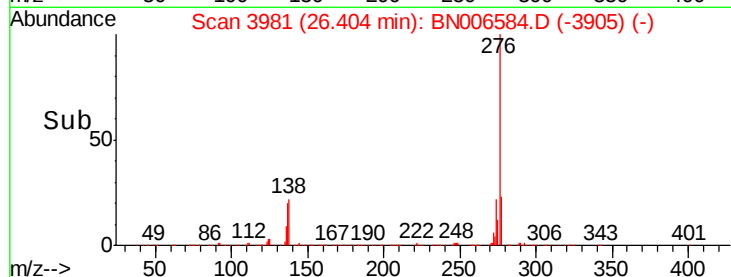
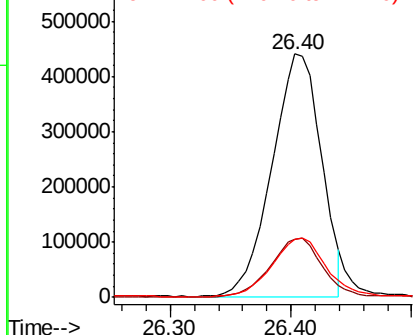
Indeno(1,2,3-cd)pyrene
Concen: 663.089 ng/ul
RT: 26.40 min Scan# 3981
Delta R.T. 0.25 min
Lab File: BN006584.D
Acq: 26 Jun 2019 18:45

Instrument :
BNA_N
ClientSampleId :
C5AB0

Tgt Ion:276 Resp: 1234272
Ion Ratio Lower Upper
276 100
138 23.8 22.2 33.4
277 24.0 20.2 30.4



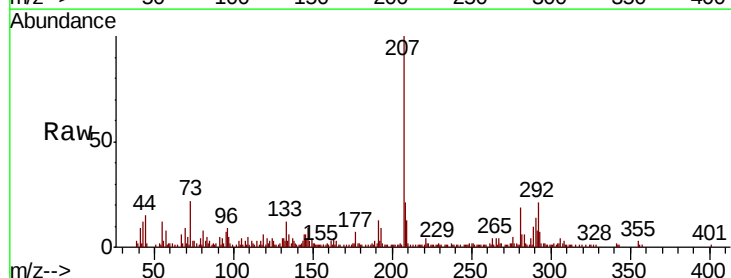
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#93

Benzo(g,h,i)perylene
Concen: 2.386 ng/ul
RT: 26.96 min Scan# 4076
Delta R.T. 0.11 min
Lab File: BN006584.D
Acq: 26 Jun 2019 18:45

Tgt Ion:276 Resp: 3741
Ion Ratio Lower Upper
276 100
138 65.7 19.1 28.7#
277 40.0 19.4 29.0#



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

