

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Quant Time: May 06 01:11:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

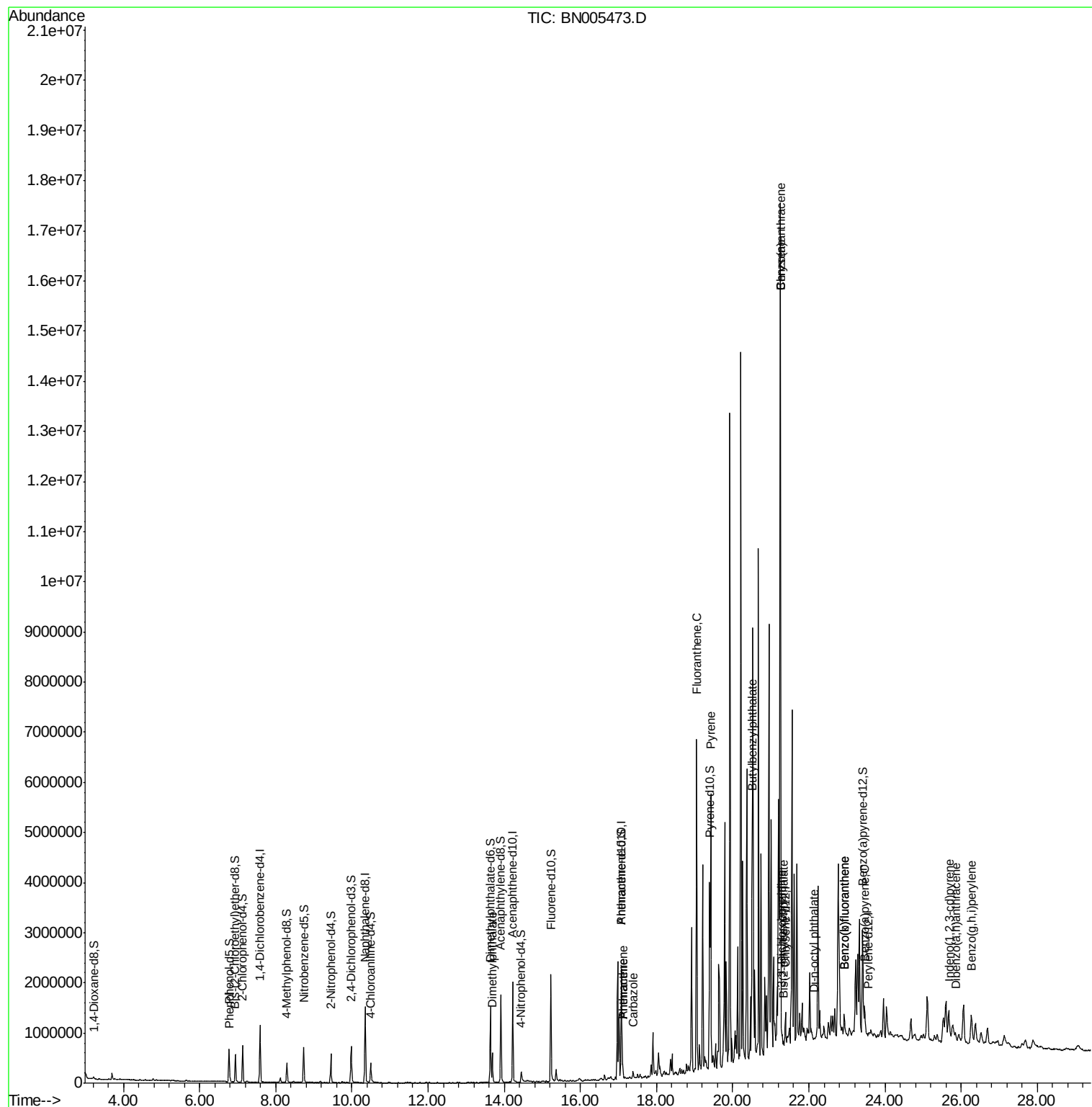
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	313712	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1242743	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	687170	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1264286	20.00	ng/ul	0.09
77) Chrysene-d12	21.39	240	1935	20.00	ng/ul	0.17
85) Perylene-d12	23.55	264	1065	20.00	ng/ul	0.14
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	18433	2.84	ng/uL	0.00
5) Phenol-d5	6.78	99	374149	15.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	238939	15.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	330716	17.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	158026	8.20	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	176802	23.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	194093	25.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	305570	17.19	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	247978	13.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	1032571	20.70	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	1292687	21.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	74302	9.43	ng/ul	0.00
57) Fluorene-d10	15.22	176	889872	21.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	620	0.11	ng/ul	0.09
70) Anthracene-d10	17.07	188	1261218	23.80	ng/ul	0.00
78) Pyrene-d10	19.39	212	1352500	13663.38	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.42	264	1458637	31339.67	ng/ul	0.14
Target Compounds						
6) Phenol	6.80	94	25720	1.015	ng/ul	95
44) Dimethylphthalate	13.69	163	380238	7.650	ng/ul	99
69) Phenanthrene	17.11	178	160011	2.599	ng/ul	99
71) Anthracene	17.11	178	153352	2.445	ng/ul	99
74) Carbazole	17.39	167	93369	1.733	ng/ul	97
76) Fluoranthene	19.06	202	4141312	60.638	ng/ul	95
79) Pyrene	19.42	202	3340421	26811.620	ng/ul	95
80) Butylbenzylphthalate	20.51	149	3969	80.463	ng/ul#	1
81) 3,3'-Dichlorobenzidine	21.30	252	13468	348.367	ng/ul#	35
82) Benzo(a)anthracene	21.25	228	1834594	15240.414	ng/ul	95
83) Bis(2-ethylhexyl)phthalate	21.32	149	1081	14.232	ng/ul#	65
84) Chrysene	21.25	228	1587026	14205.264	ng/ul	96
86) Di-n-octyl phthalate	22.15	149	340	5.212	ng/ul	100
87) Benzo(b)fluoranthene	22.93	252	279206	4663.807	ng/ul	95
88) Benzo(k)fluoranthene	22.93	252	274256	4796.691	ng/ul	94
90) Benzo(a)pyrene	23.46	252	366865	6519.534	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.70	276	14537	233.659	ng/ul#	43
92) Dibenzo(a,h)anthracene	25.86	278	156799	2969.715	ng/ul	96
93) Benzo(g,h,i)perylene	26.27	276	533565	10371.977	ng/ul	95

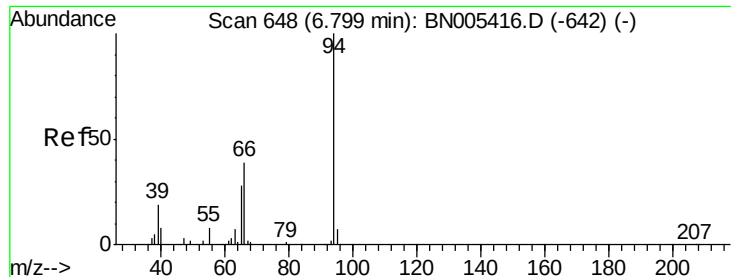
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.015 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.00 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

Instrument :

BNA_N

ClientSampleId :

BFHK9

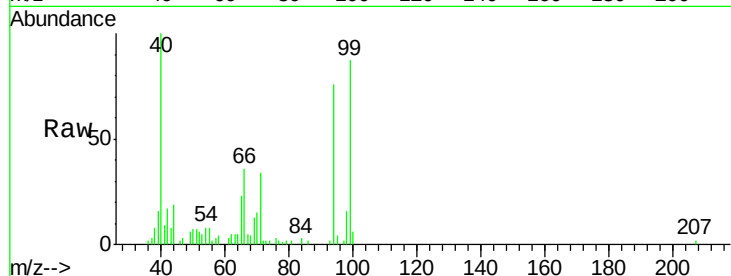
Tgt Ion: 94 Resp: 25720

Ion Ratio Lower Upper

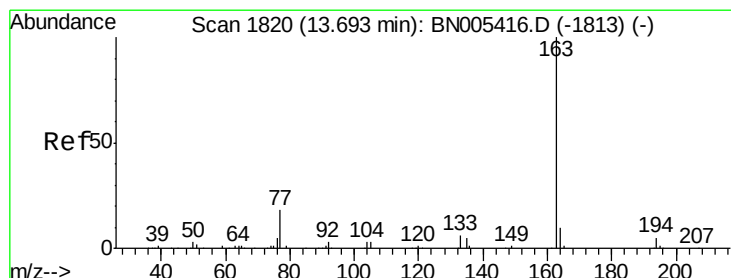
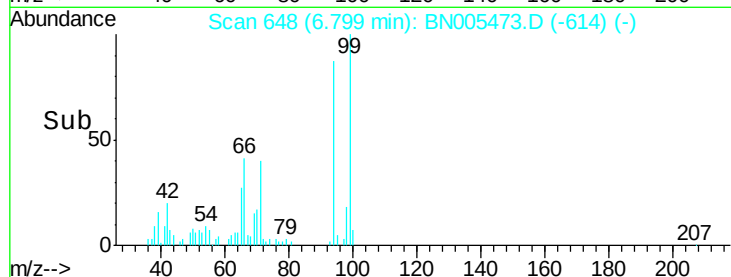
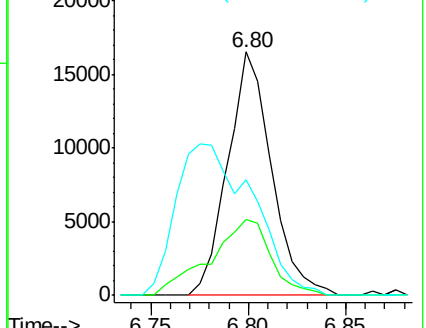
94 100

65 31.0 24.2 36.4

66 47.4 33.8 50.6



Abundance Ion 94.00 (93.70 to 94.70): BNC
Ion 65.00 (64.70 to 65.70): BNC
Ion 66.00 (65.70 to 66.70): BNC



#44

Dimethylphthalate

Concen: 7.650 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

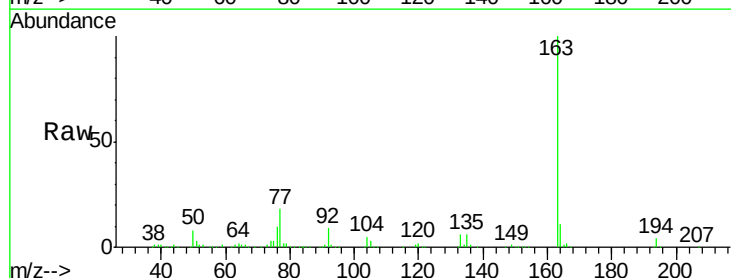
Tgt Ion: 163 Resp: 380238

Ion Ratio Lower Upper

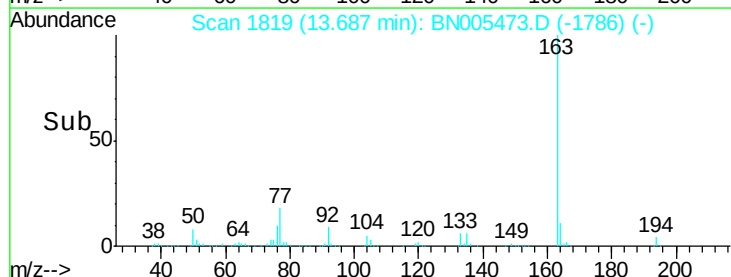
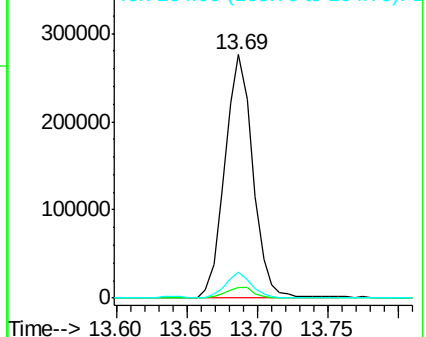
163 100

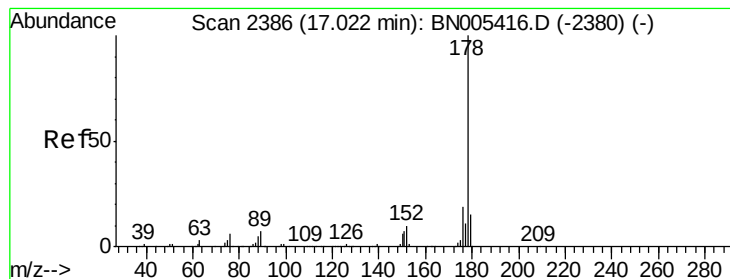
194 4.2 3.4 5.0

164 10.6 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





#69

Phenanthrene

Concen: 2.599 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. 0.09 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

Instrument :

BNA_N

ClientSampleId :

BFHK9

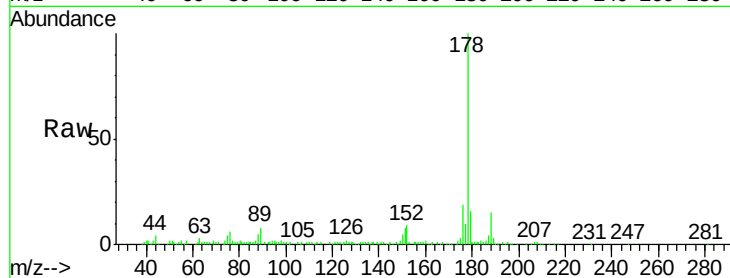
Tgt Ion:178 Resp: 160011

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

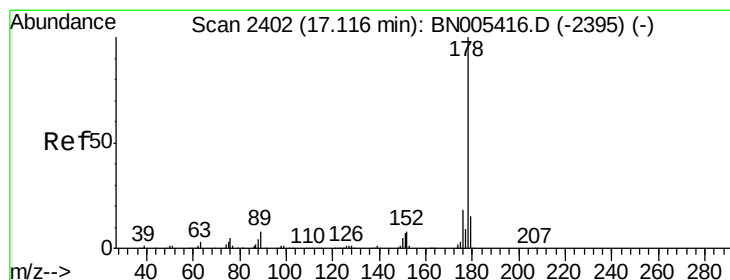
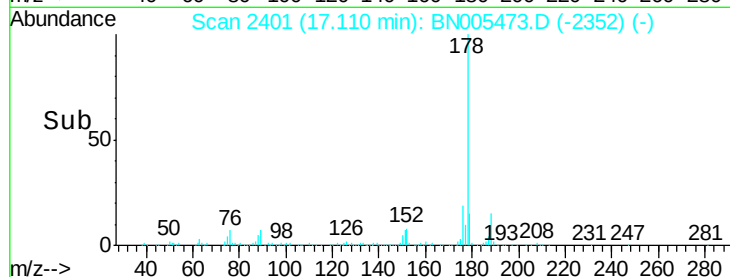
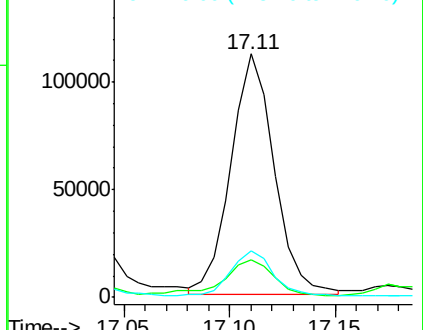
176 19.4 15.1 22.7



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: 2.445 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

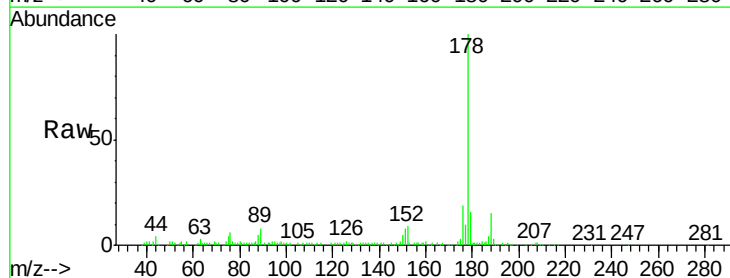
Tgt Ion:178 Resp: 153352

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

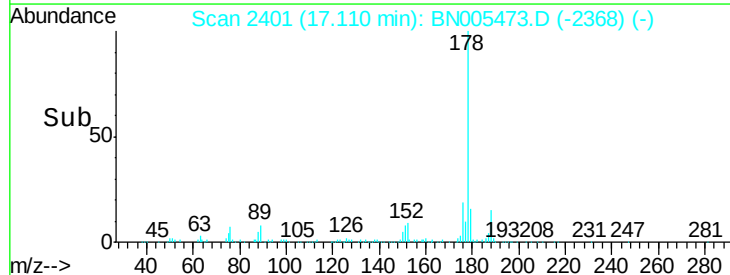
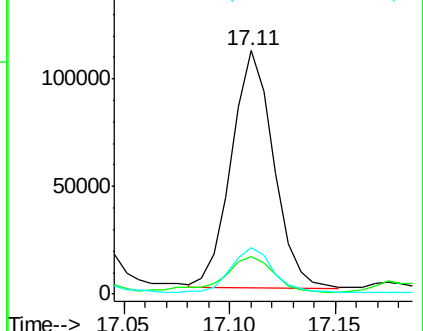
176 19.4 15.1 22.7

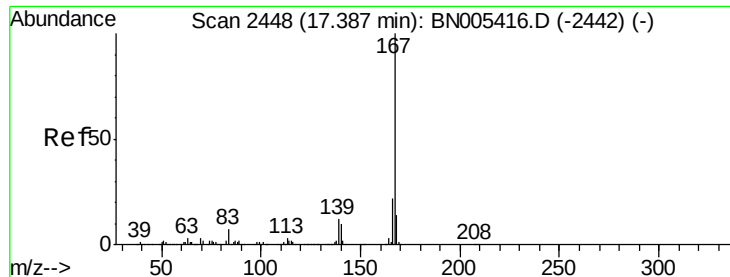


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.733 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. -0.00 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

Instrument :

BNA_N

ClientSampleId :

BFHK9

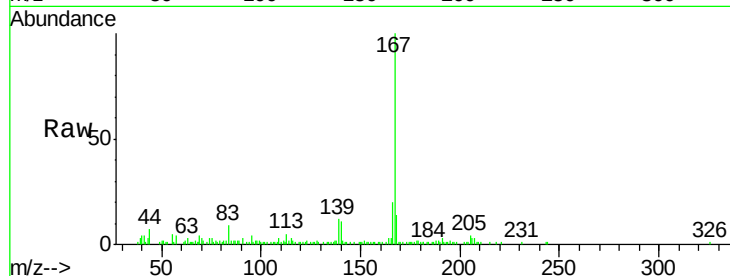
Tgt Ion:167 Resp: 93369

Ion Ratio Lower Upper

167 100

166 20.2 17.2 25.8

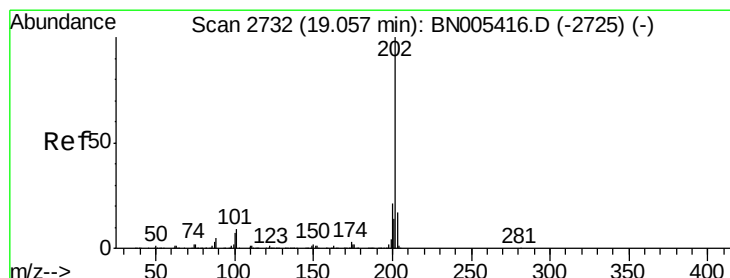
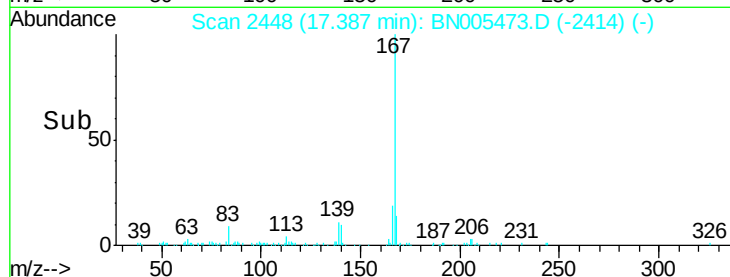
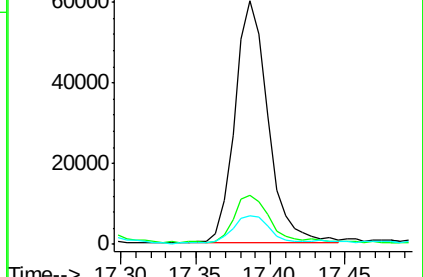
139 11.8 10.6 16.0



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



#76

Fluoranthene

Concen: 60.638 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.00 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

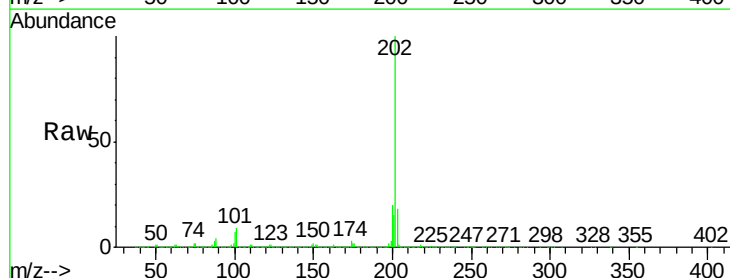
Tgt Ion:202 Resp: 4141312

Ion Ratio Lower Upper

202 100

101 8.7 8.6 12.8

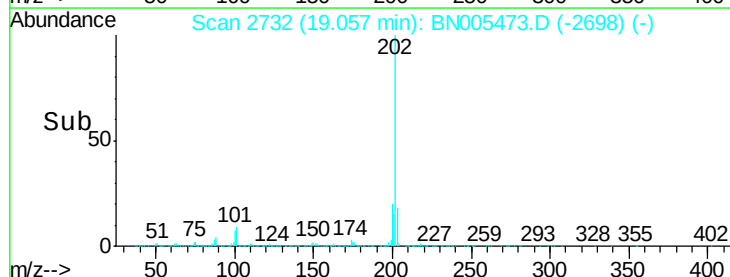
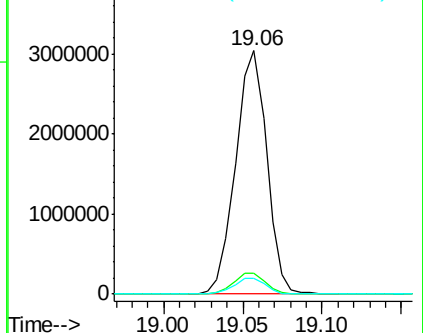
100 6.6 6.3 9.5

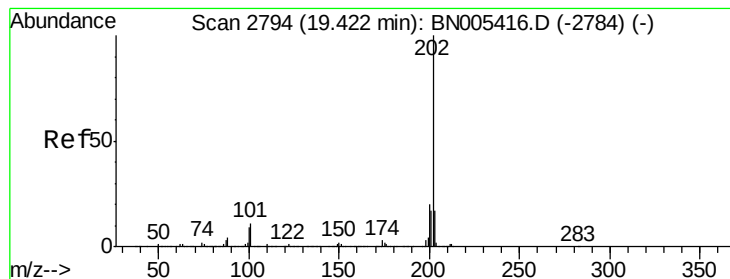


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 26811.620 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

Instrument :

BNA_N

ClientSampleId :

BFHK9

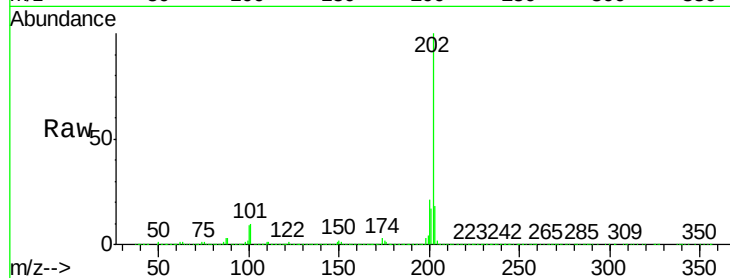
Tgt Ion:202 Resp: 3340421

Ion Ratio Lower Upper

202 100

101 10.3 10.3 15.5

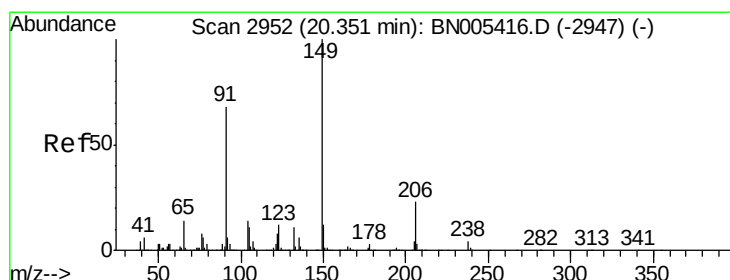
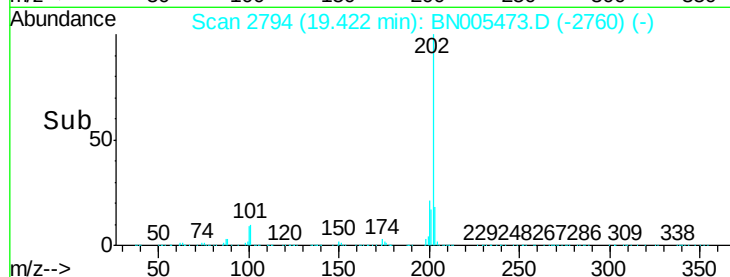
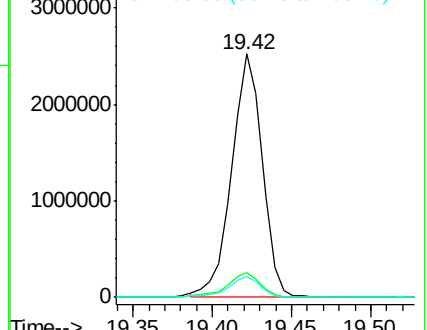
100 8.6 7.9 11.9



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: 80.463 ng/ul

RT: 20.51 min Scan# 2979

Delta R.T. 0.16 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

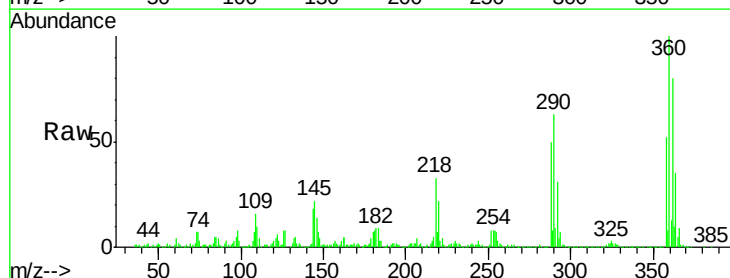
Tgt Ion:149 Resp: 3969

Ion Ratio Lower Upper

149 100

91 265.0 59.6 89.4#

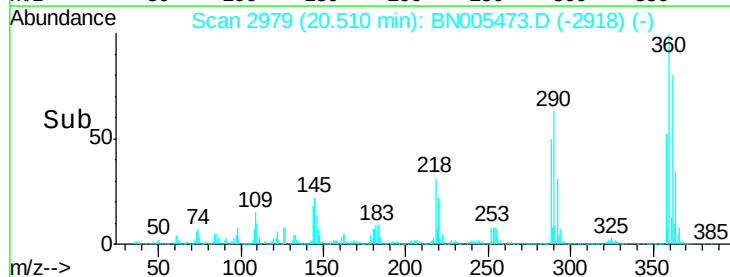
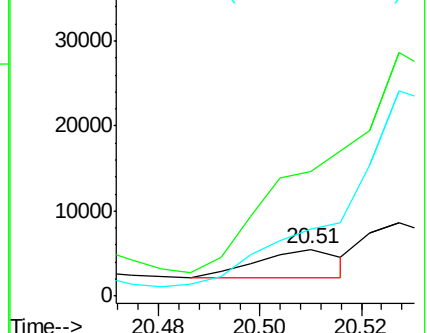
206 141.3 17.8 26.8#

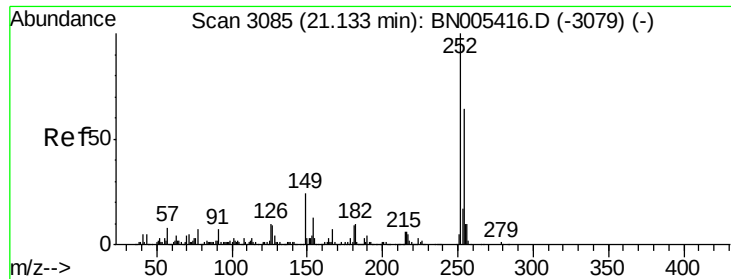


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E

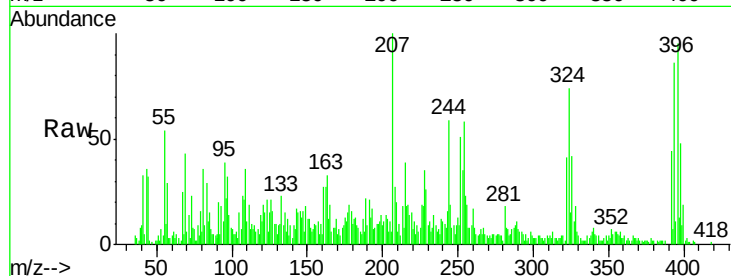




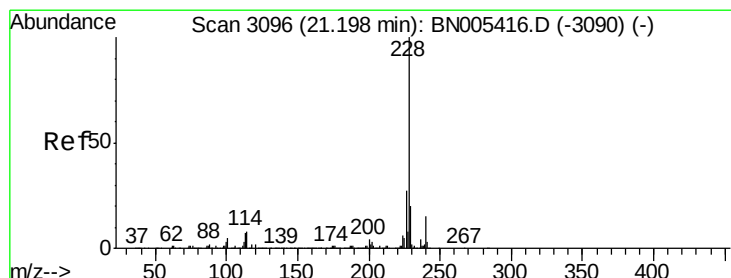
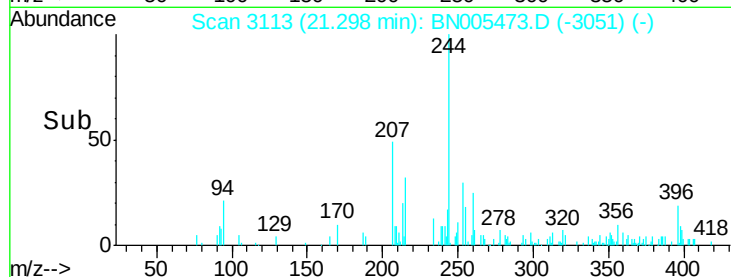
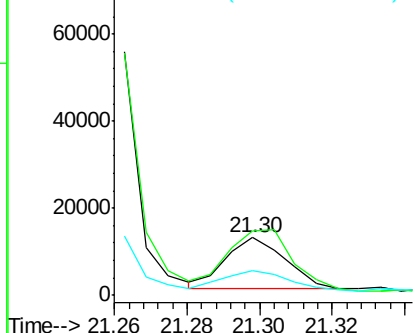
#81
 3,3'-Dichlorobenzidine
 Concen: 348.367 ng/ul
 RT: 21.30 min Scan# 3113
 Delta R.T. 0.16 min
 Lab File: BN005473.D
 Acq: 04 May 2019 04:09

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Tgt Ion:252 Resp: 13468
 Ion Ratio Lower Upper
 252 100
 254 112.8 51.1 76.7#
 126 41.8 9.4 14.0#

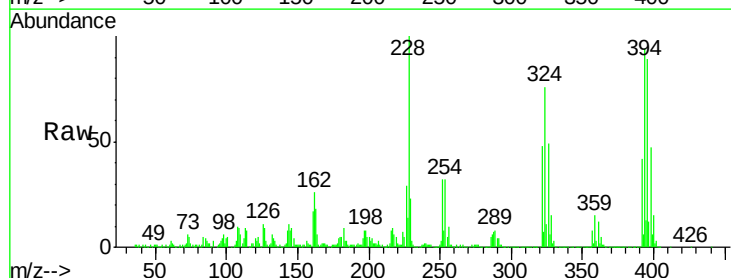


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

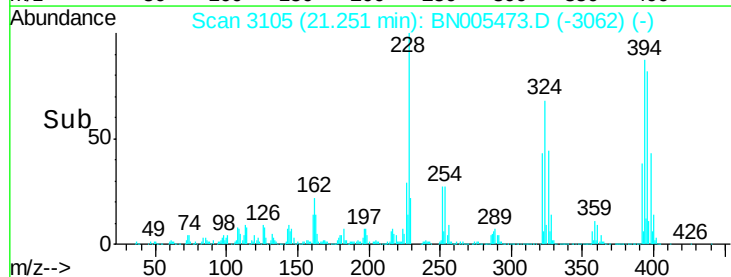
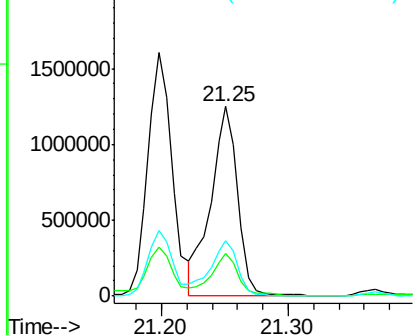


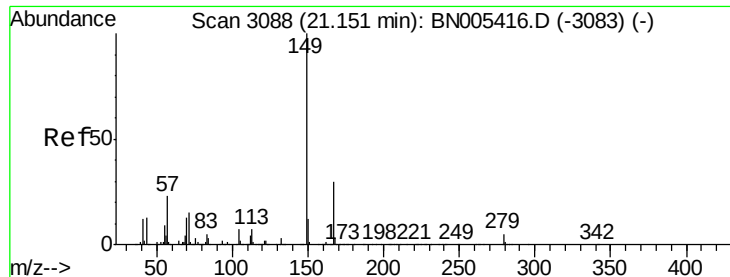
#82
 Benzo(a)anthracene
 Concen: 15240.414 ng/ul
 RT: 21.25 min Scan# 3105
 Delta R.T. 0.05 min
 Lab File: BN005473.D
 Acq: 04 May 2019 04:09

Tgt Ion:228 Resp: 1834594
 Ion Ratio Lower Upper
 228 100
 229 22.6 15.8 23.6
 226 29.3 21.4 32.2



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: 14.232 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. 0.17 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

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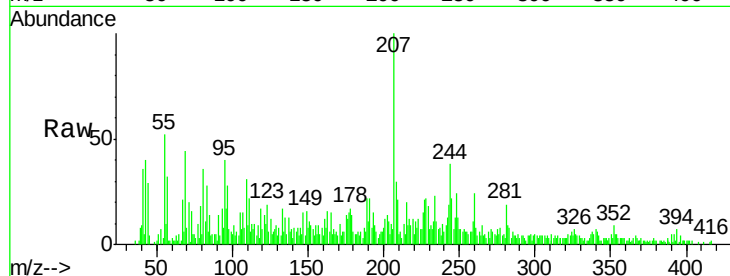
Tgt Ion:149 Resp: 1081

Ion Ratio Lower Upper

149 100

167 42.5 22.3 33.5#

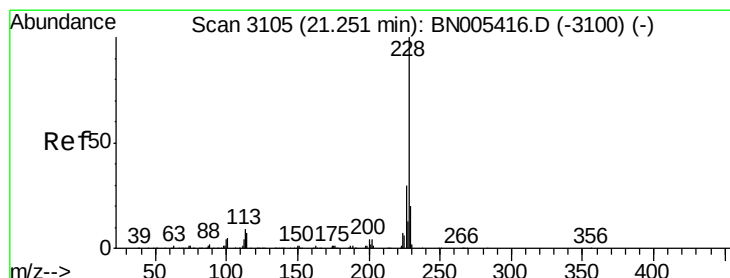
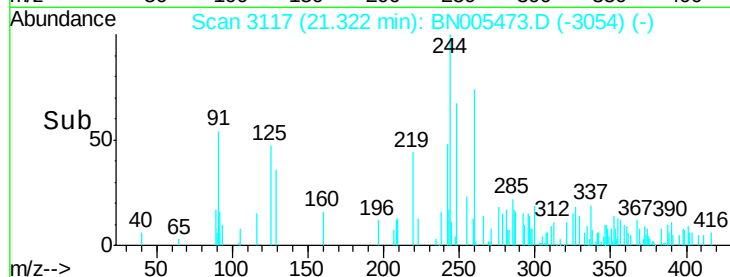
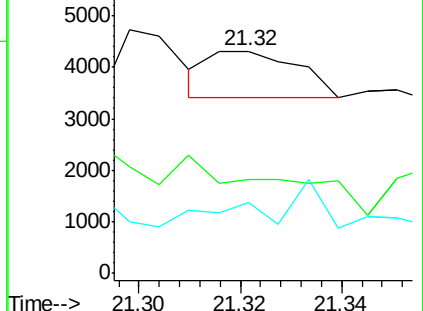
279 31.8 3.3 4.9#



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: 14205.264 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

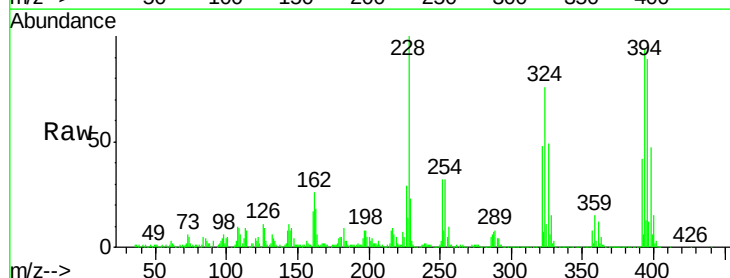
Tgt Ion:228 Resp: 1587026

Ion Ratio Lower Upper

228 100

226 29.3 24.0 36.0

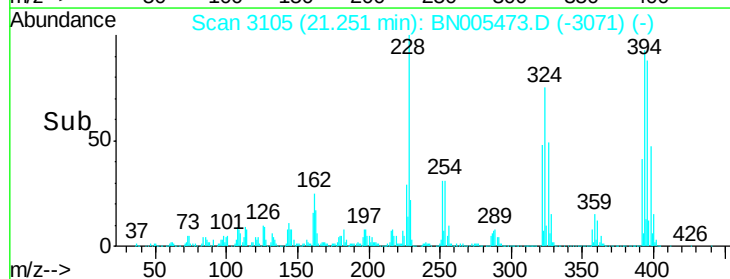
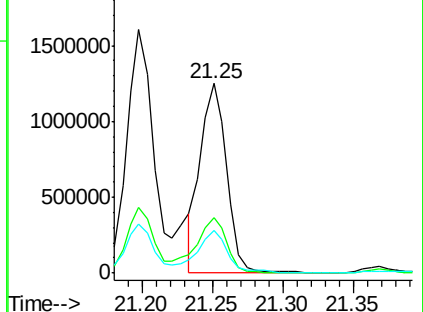
229 22.6 15.4 23.0

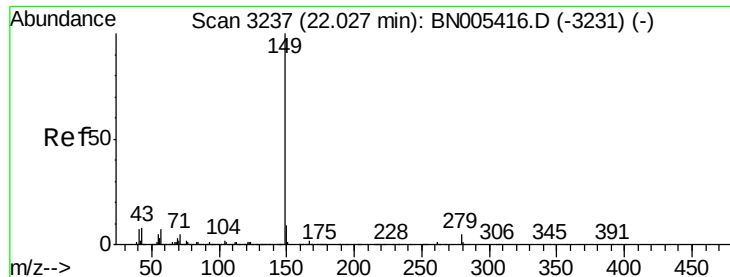


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 5.212 ng/ul

RT: 22.15 min Scan# 3258

Delta R.T. 0.12 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

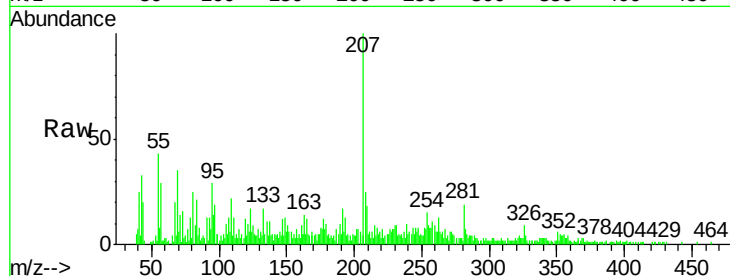
Instrument :

BNA_N

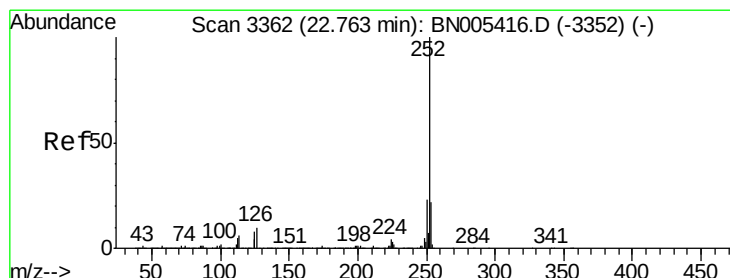
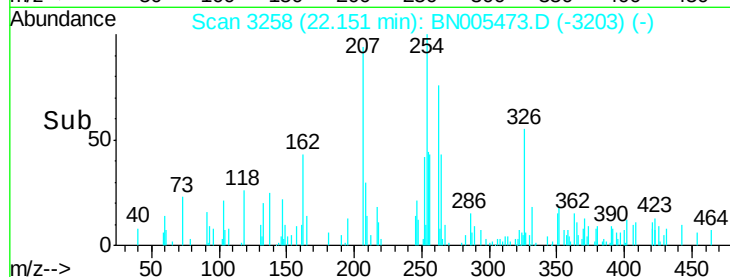
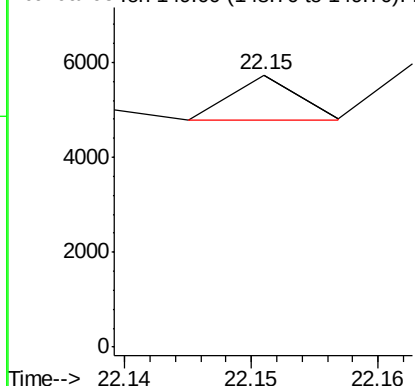
ClientSampleId :

BFHK9

Tgt Ion:149 Resp: 340



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 4663.807 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. 0.16 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

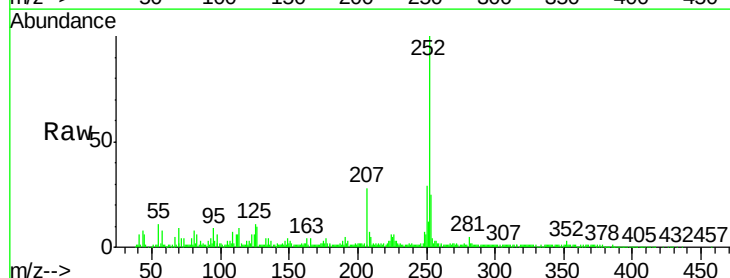
Tgt Ion:252 Resp: 279206

Ion Ratio Lower Upper

252 100

253 25.3 17.7 26.5

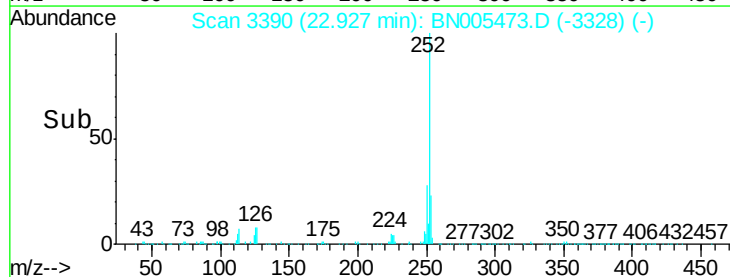
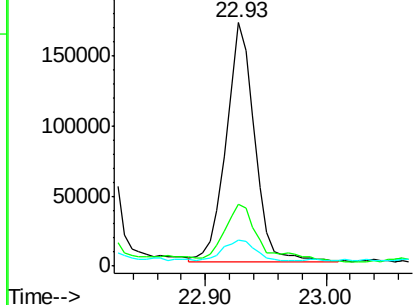
125 10.7 8.4 12.6

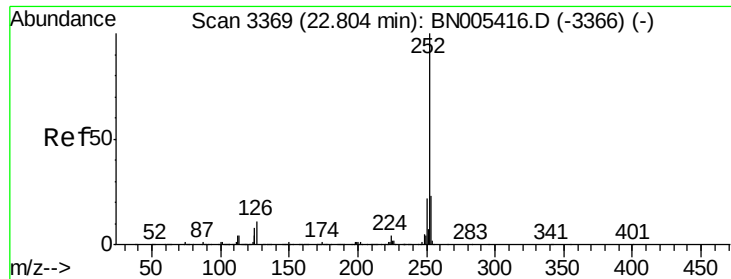


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4796.691 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. 0.12 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

Instrument :

BNA_N

ClientSampleId :

BFHK9

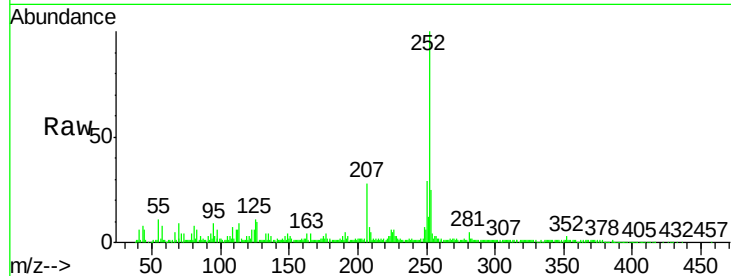
Tgt Ion:252 Resp: 274256

Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.0

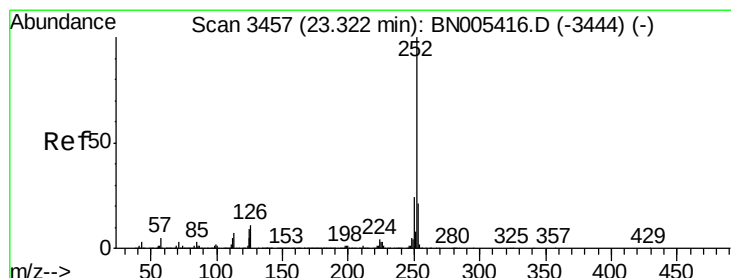
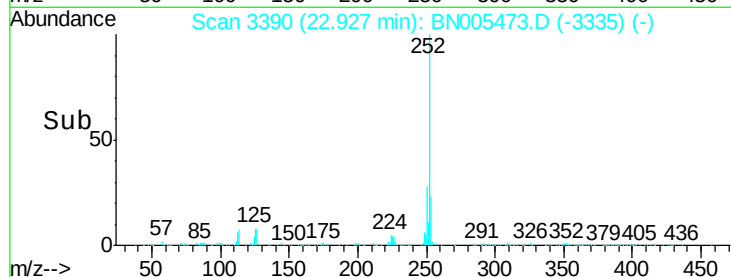
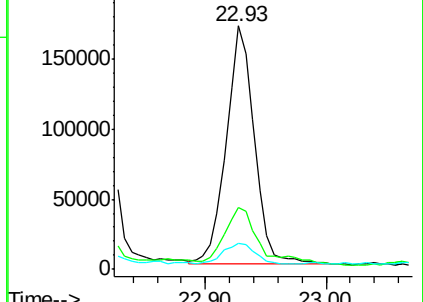
125 10.7 7.5 11.3



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: 6519.534 ng/ul

RT: 23.46 min Scan# 3481

Delta R.T. 0.14 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

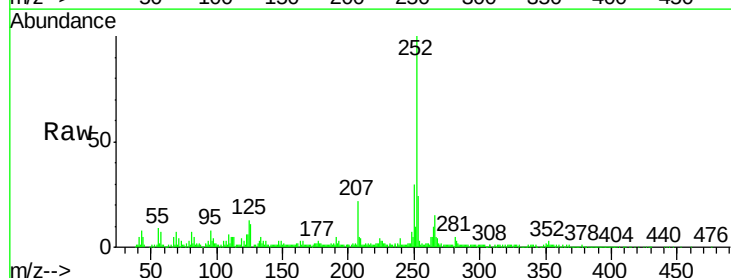
Tgt Ion:252 Resp: 366865

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

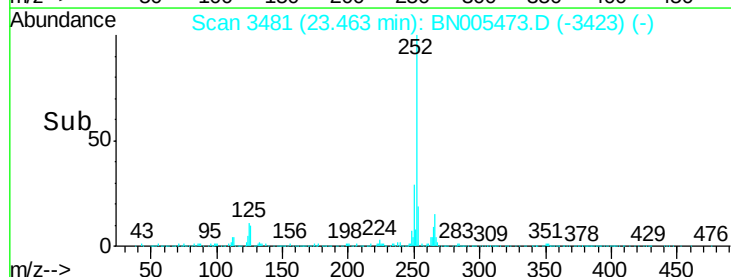
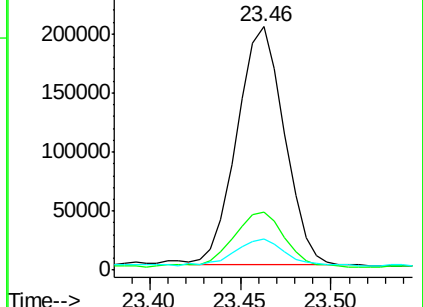
125 12.8 8.6 13.0

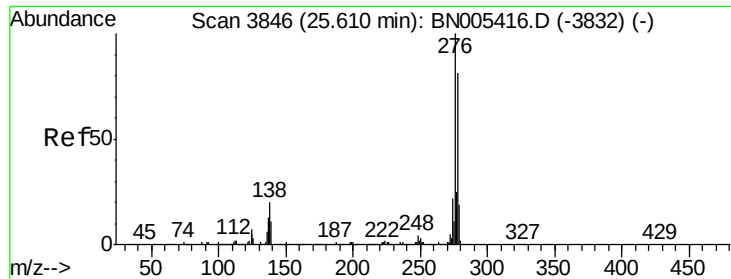


Abundance Ion 252.00 (251.70 to 252.70): E

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: 233.659 ng/ul

RT: 25.70 min Scan# 3862

Delta R.T. 0.09 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

Instrument :

BNA_N

ClientSampleId :

BFHK9

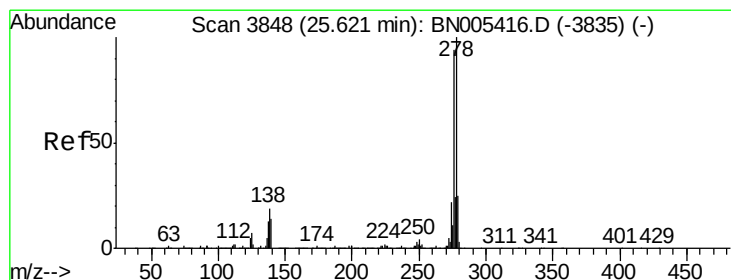
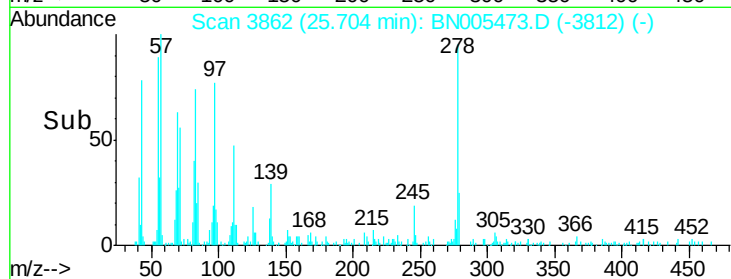
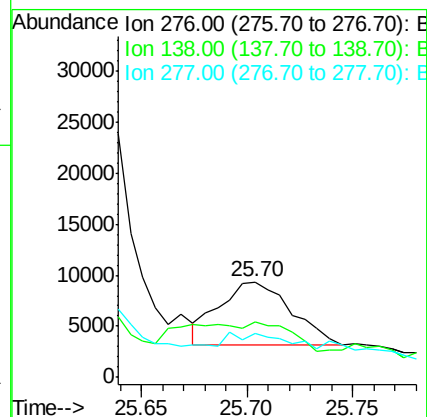
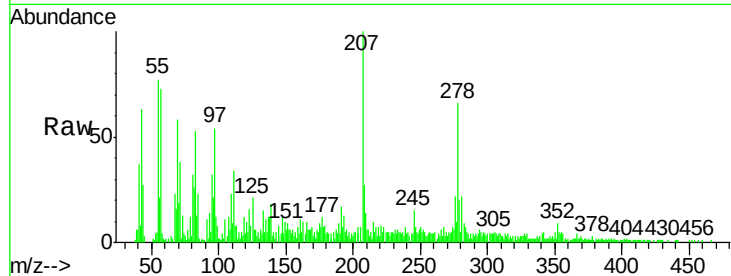
Tgt Ion:276 Resp: 14537

Ion Ratio Lower Upper

276 100

138 57.7 17.9 26.9#

277 45.5 19.7 29.5#



#92

Dibenzo(a,h)anthracene

Concen: 2969.715 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. 0.24 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

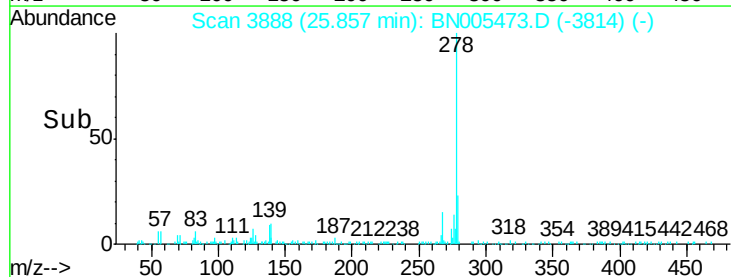
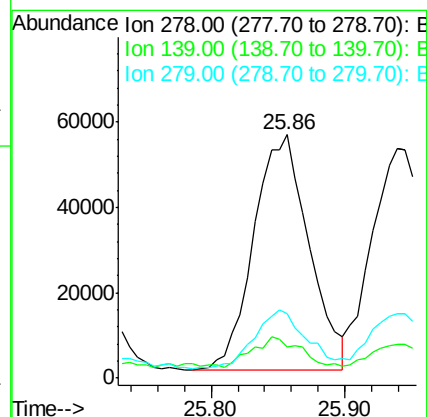
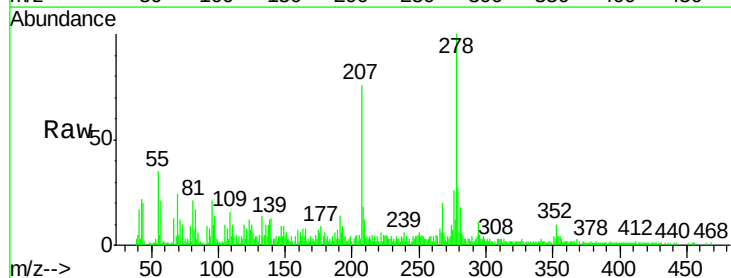
Tgt Ion:278 Resp: 156799

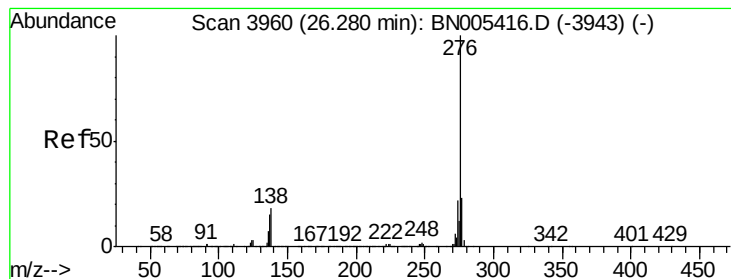
Ion Ratio Lower Upper

278 100

139 15.8 13.1 19.7

279 26.7 19.4 29.0





#93

Benzo(g,h,i)perylene

Concen: 10371.977 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BN005473.D

Acq: 04 May 2019 04:09

Instrument :

BNA_N

ClientSampleId :

BFHK9

Tgt Ion: 276 Resp: 533565

Ion Ratio Lower Upper

276 100

138 17.1 16.7 25.1

277 24.0 18.2 27.2

