

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
 Data File : BN005305.D
 Acq On : 26 Apr 2019 05:54
 Operator : JU/SJ
 Sample : K2481-20 20X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

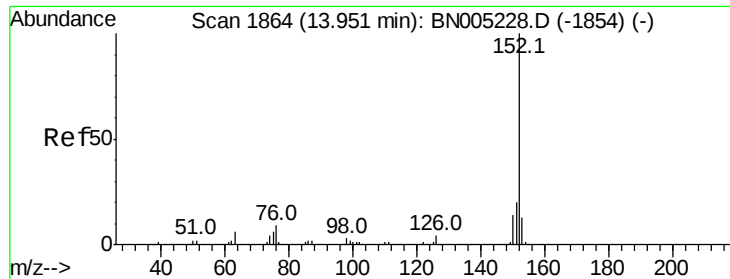
Quant Time: Apr 26 06:41:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	470626	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1987999	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1187461	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2728330	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	2736499	20.00	ng/ul	-0.02
85) Perylene-d12	23.42	264	2709624	20.00	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.22	96	4020	0.41	ng/uL	0.00
5) Phenol-d5	6.78	99	88292	2.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	54584	2.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	68534	2.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	71718	2.48	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	35945	2.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	36602	2.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	71278	2.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	29420	1.00	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	242437	2.81	ng/ul	-0.01
46) Acenaphthylene-d8	13.92	160	291151	2.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	26268	1.93	ng/ul	0.00
57) Fluorene-d10	15.22	176	217163	3.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	19624	1.60	ng/ul	0.00
70) Anthracene-d10	17.07	188	338269	2.96	ng/ul	-0.01
78) Pyrene-d10	19.39	212	378012	2.70	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	333567	2.82	ng/ul	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
47) Acenaphthylene	13.95	152	275633	2.649	ng/ul	98
69) Phenanthrene	17.02	178	510080	3.839	ng/ul	99
71) Anthracene	17.11	178	185862	1.373	ng/ul	98
76) Fluoranthene	19.05	202	681977	4.627	ng/ul	99
79) Pyrene	19.42	202	1034636	5.872	ng/ul	98
82) Benzo(a)anthracene	21.25	228	483328	2.839	ng/ul	94
84) Chrysene	21.25	228	483328	3.059	ng/ul	97
87) Benzo(b)fluoranthene	22.76	252	818915	5.376	ng/ul	98
88) Benzo(k)fluoranthene	22.76	252	818915	5.629	ng/ul	97
90) Benzo(a)pyrene	23.32	252	344431	2.406	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.59	276	477046	3.014	ng/ul#	95
92) Dibenzo(a,h)anthracene	25.60	278	136016	1.013	ng/ul#	89
93) Benzo(g,h,i)perylene	26.24	276	413705	3.161	ng/ul	97

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



#47

Acenaphthylene

Concen: 2.649 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

Instrument :

BNA_N

ClientSampleId :

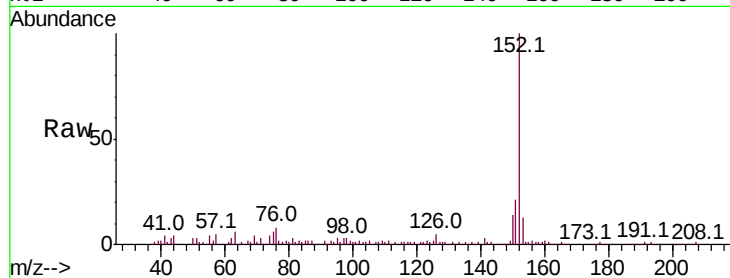
Tot Ion:152 Resp: 275633

Ion Ratio Lower Upper

152 100

151 20.7 15.8 23.8

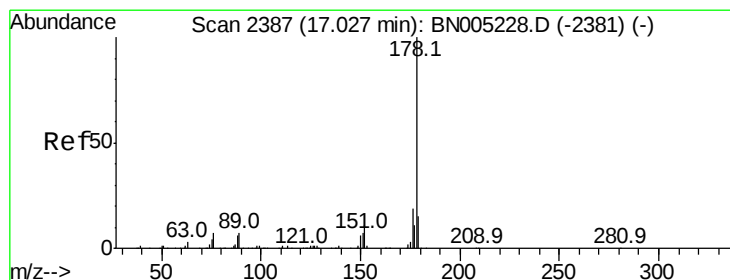
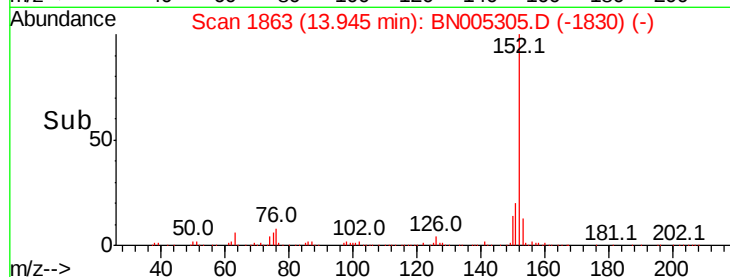
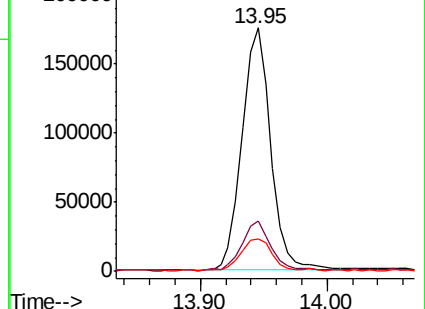
153 13.3 9.8 14.8



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



#69

Phenanthrene

Concen: 3.839 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

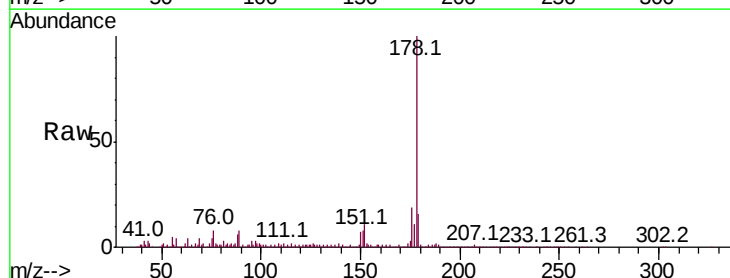
Tgt Ion:178 Resp: 510080

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

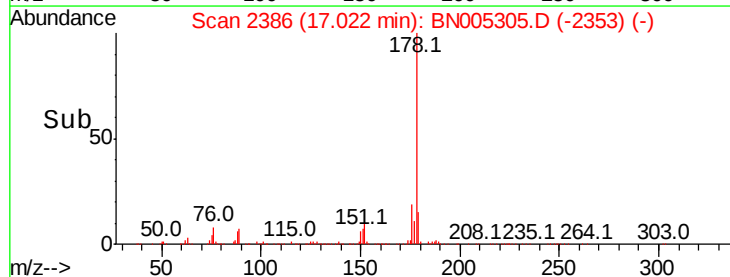
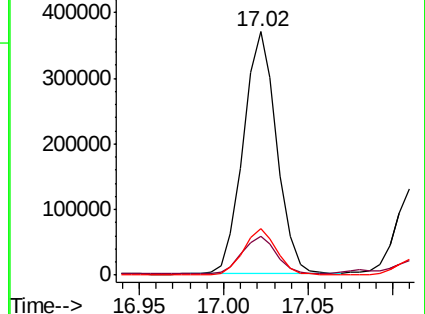
176 19.2 15.1 22.7

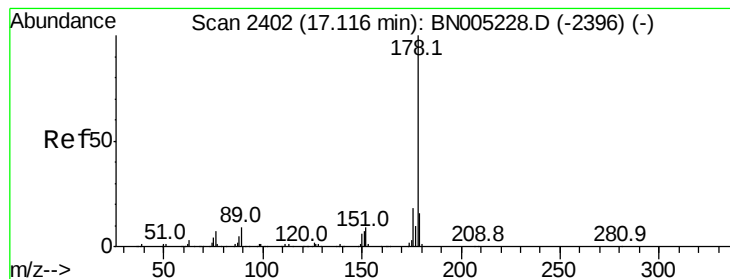


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 1.373 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

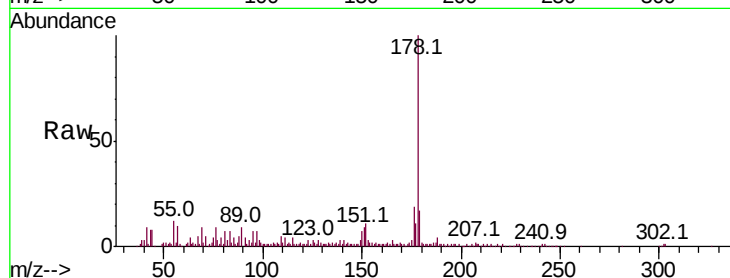
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 185862

Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.3	18.5
176	19.1	15.1	22.7

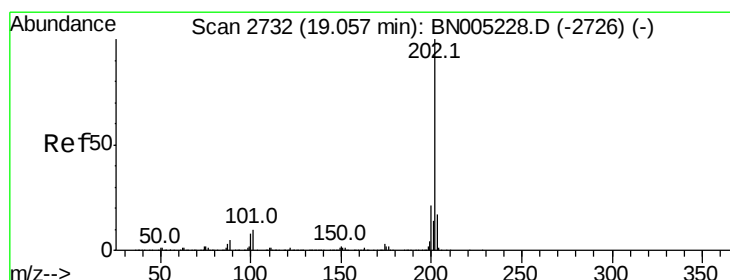
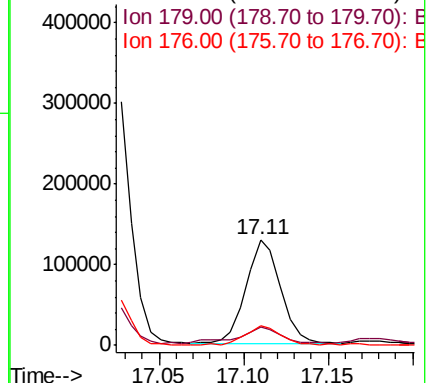
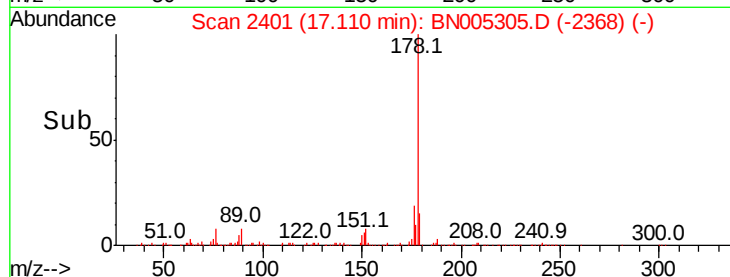


Abundance

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: 4.627 ng/ul

RT: 19.05 min Scan# 2731

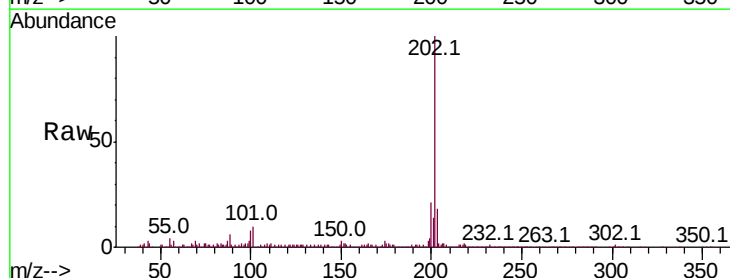
Delta R.T. -0.01 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

Tgt Ion:202 Resp: 681977

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.6	12.8
100	7.7	6.3	9.5

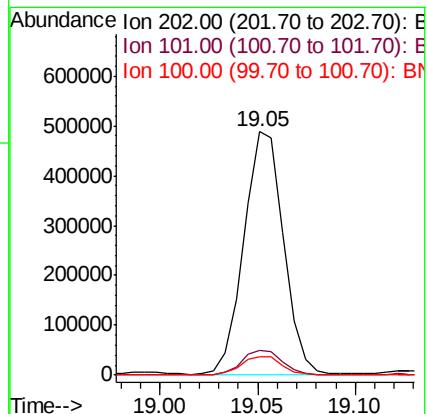
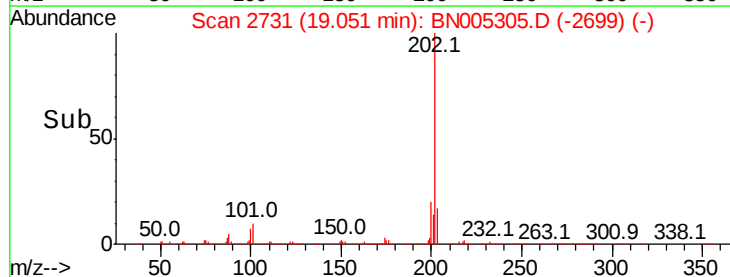


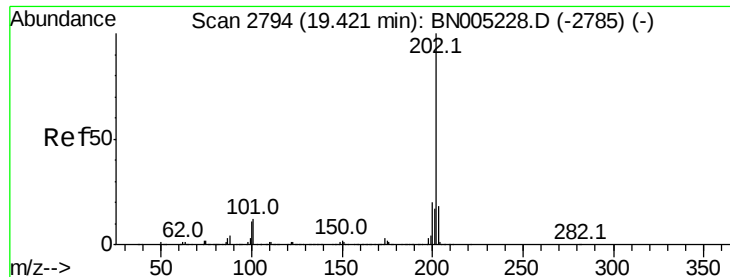
Abundance

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

Pvrene

Concen: 5.872 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

Instrument :

BNA_N

ClientSampled :

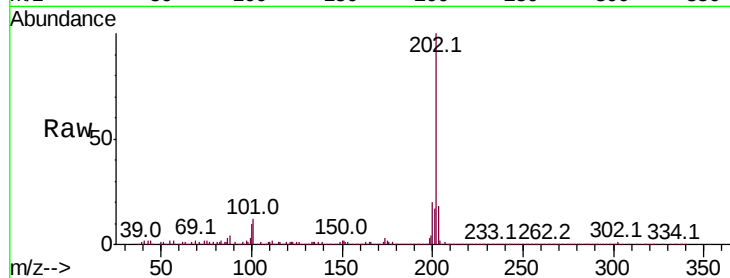
Tot Ion:202 Resp: 1034636

Ion Ratio Lower Upper

202 100

101 11.7 10.3 15.5

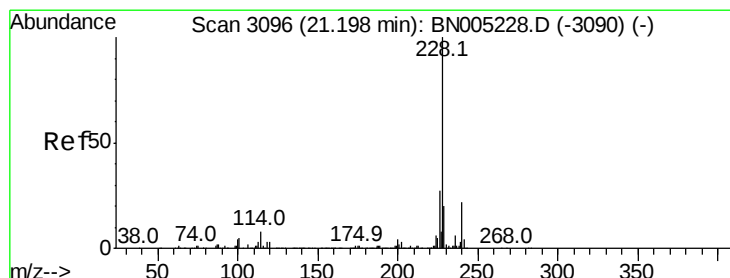
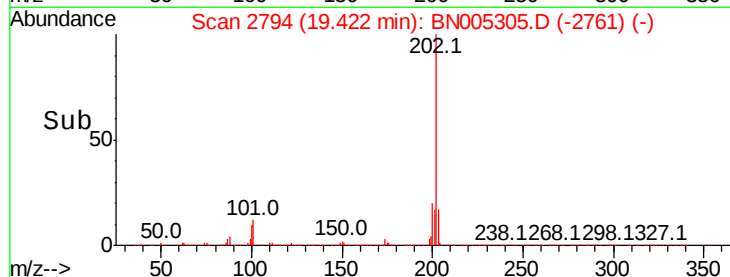
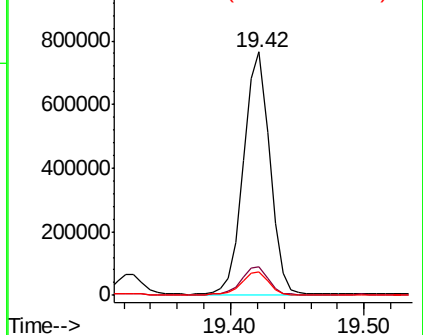
100 9.7 7.9 11.9



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): E



#82

Benzo(a)anthracene

Concen: 2.839 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.04 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

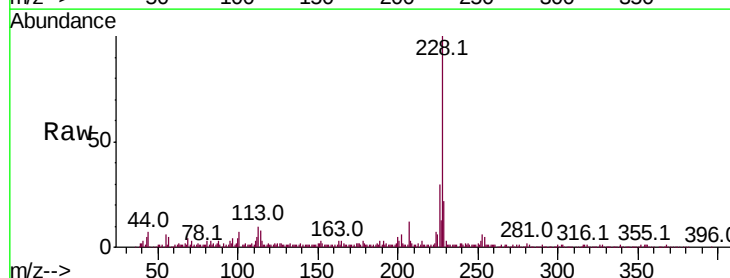
Tgt Ion:228 Resp: 483328

Ion Ratio Lower Upper

228 100

229 22.0 15.8 23.6

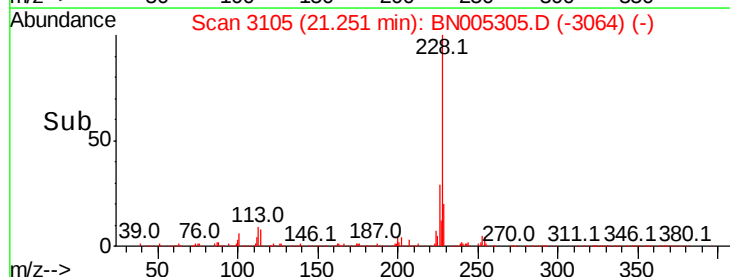
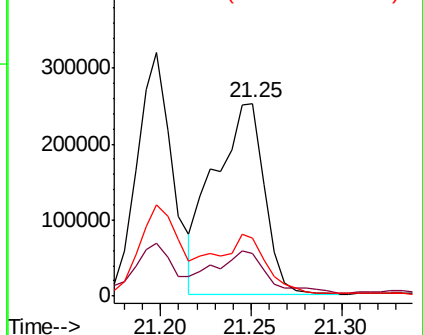
226 30.4 21.4 32.2

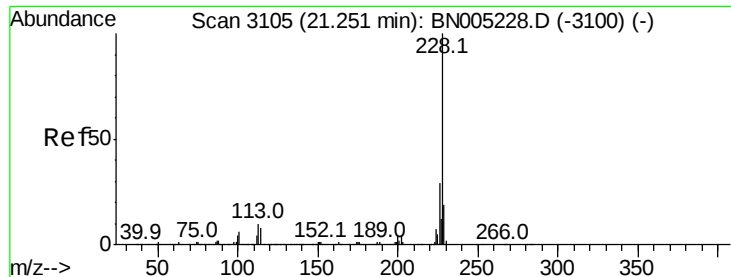


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 3.059 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

Instrument :

BNA_N

ClientSampleId :

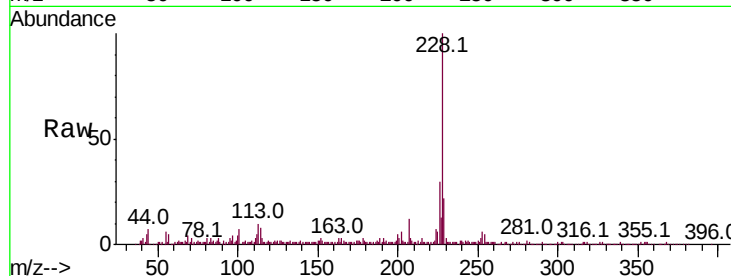
Tot Ion:228 Resp: 483328

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

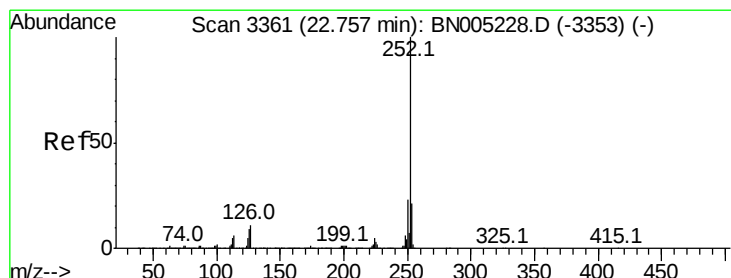
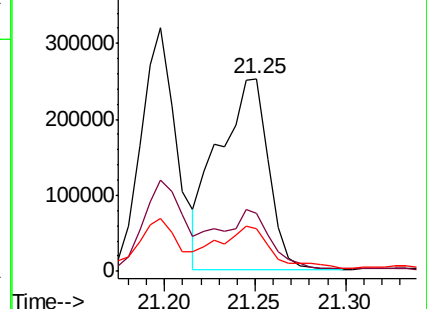
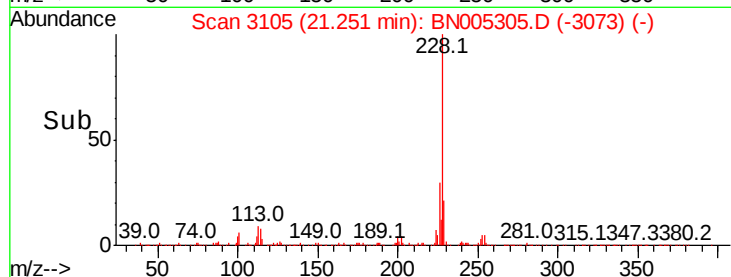
229 22.0 15.4 23.0



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: 5.376 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

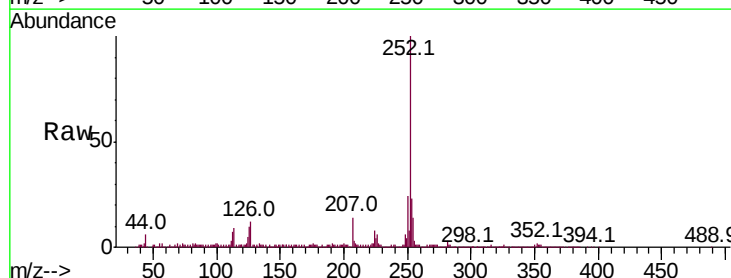
Tgt Ion:252 Resp: 818915

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

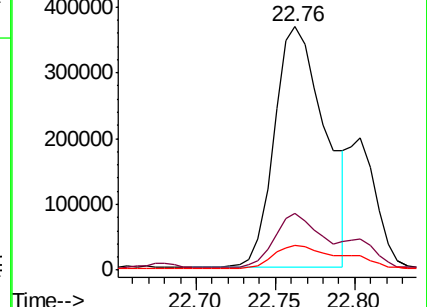
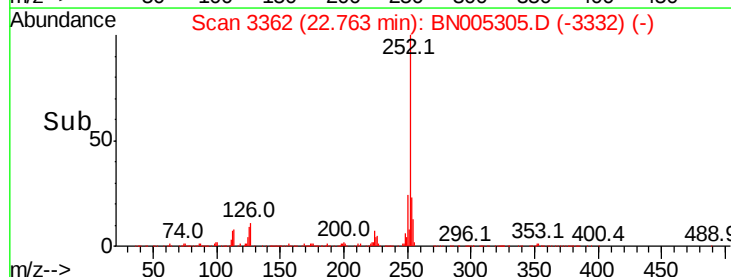
125 10.2 8.4 12.6

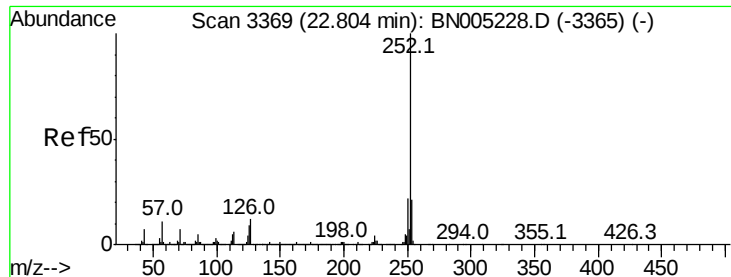


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 5.629 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.06 min

Lab File: BN005305.D

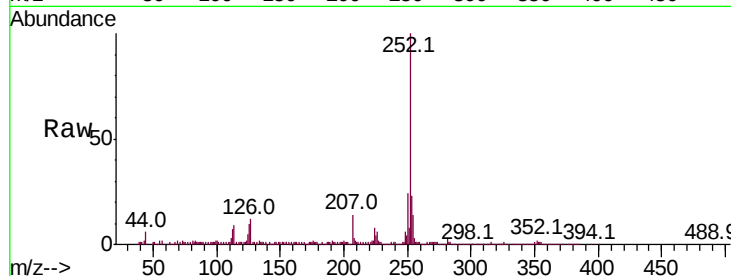
Acq: 26 Apr 2019 05:54

Instrument :

BNA_N

ClientSampled :

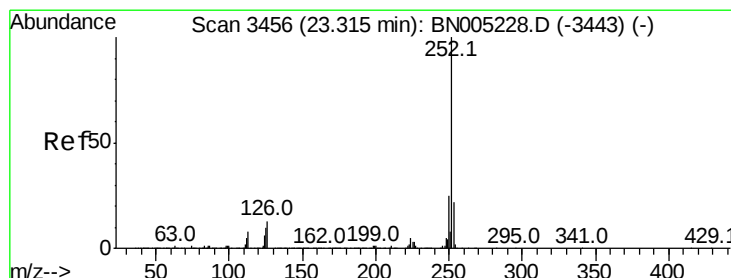
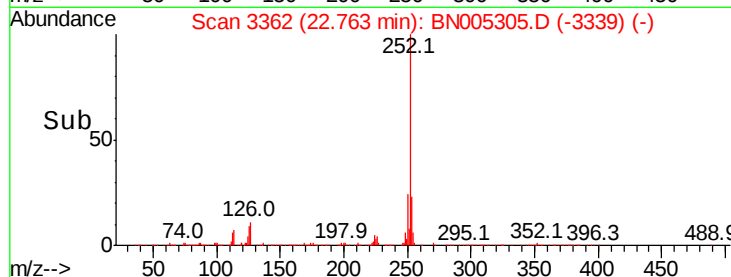
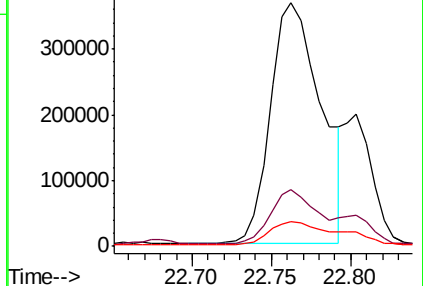
Tot Ion:252	Resp:	818915
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.4 26.0
125	10.2	7.5 11.3



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: 2.406 ng/ul

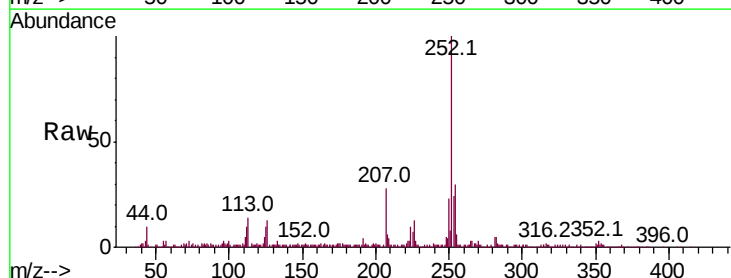
RT: 23.32 min Scan# 3456

Delta R.T. -0.03 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

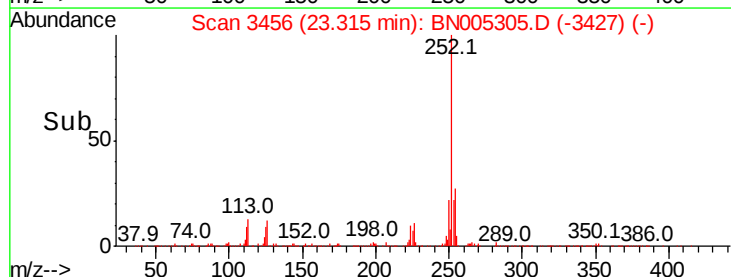
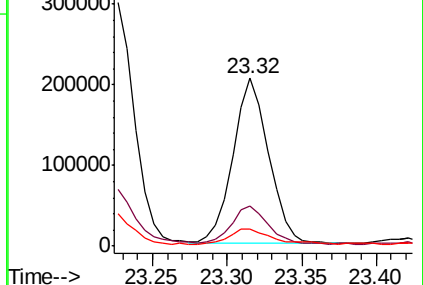
Tgt Ion:252	Resp:	344431
Ion Ratio	Lower	Upper
252	100	
253	24.3	17.3 25.9
125	10.4	8.6 13.0

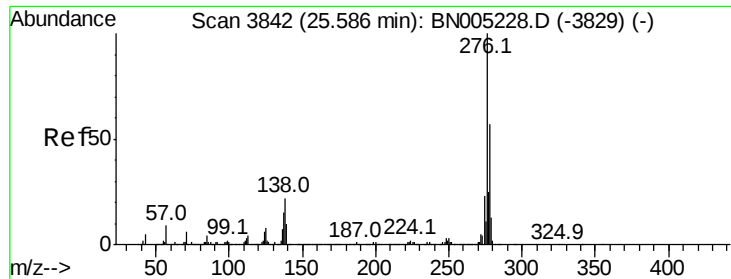


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.014 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.04 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

Instrument :

BNA_N

ClientSampleId :

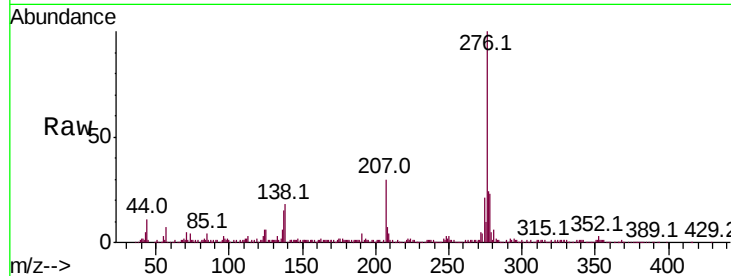
Tot Ion:276 Resp: 477046

Ion Ratio Lower Upper

276 100

138 17.6 17.9 26.9#

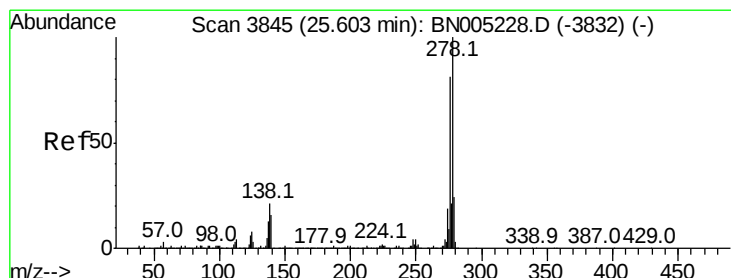
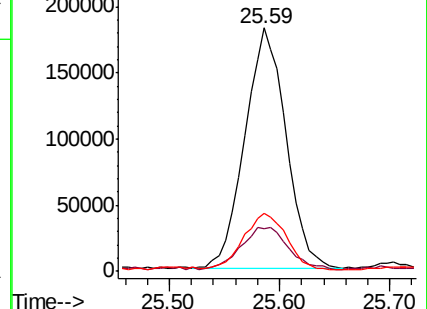
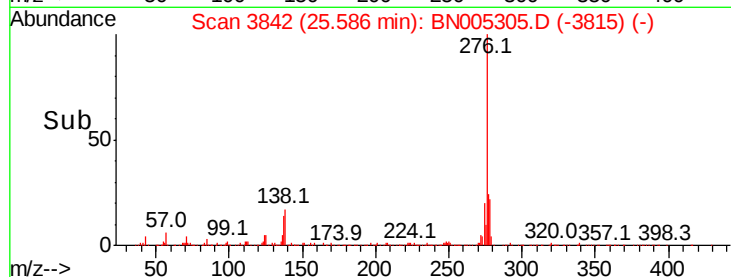
277 24.1 19.7 29.5



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



#92

Dibenzo(a,h)anthracene

Concen: 1.013 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.04 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

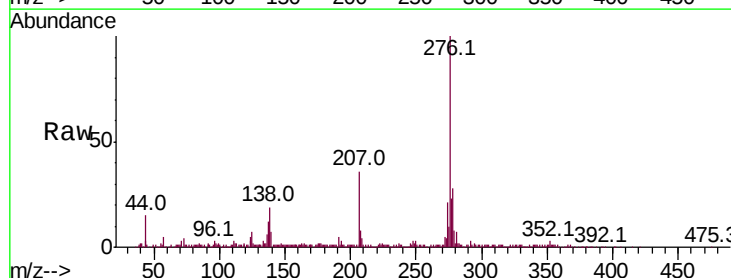
Tgt Ion:278 Resp: 136016

Ion Ratio Lower Upper

278 100

139 23.9 13.1 19.7#

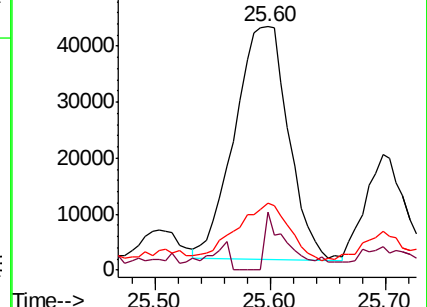
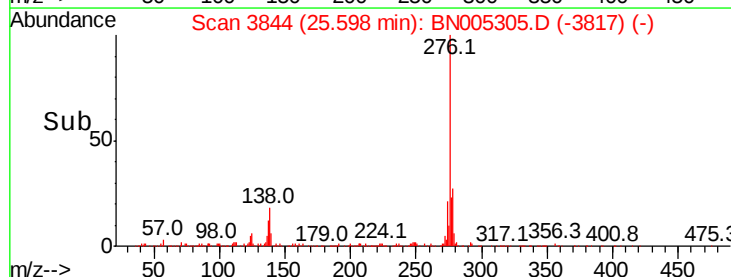
279 27.5 19.4 29.0

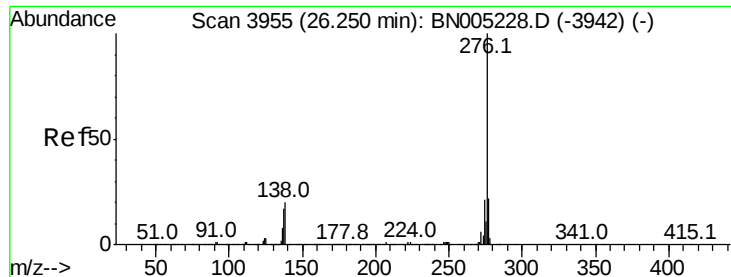


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 3.161 ng/ul

RT: 26.24 min Scan# 3954

Delta R.T. -0.05 min

Lab File: BN005305.D

Acq: 26 Apr 2019 05:54

Instrument :

BNA_N

ClientSampleId :

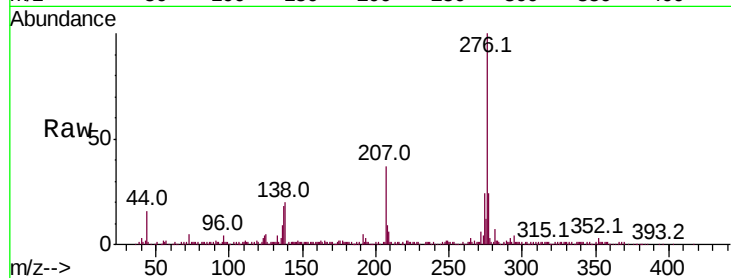
Tot Ion:276 Resp: 413705

Ion Ratio Lower Upper

276 100

138 19.8 16.7 25.1

277 24.3 18.2 27.2



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

