

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
 Data File : BN005359.D
 Acq On : 29 Apr 2019 19:44
 Operator : JU/SJ
 Sample : K2402-10MEDL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 30 00:53:58 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	295304	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1230030	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	711828	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1559771	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1491495	20.00	ng/ul	-0.02
85) Perylene-d12	23.41	264	1746567	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1092	0.18	ng/uL	0.00
5) Phenol-d5	6.78	99	35202	1.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	22958	1.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	29061	1.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	24442	1.35	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	15361	2.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	13506	1.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	26922	1.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	36599	2.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	96747	1.87	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	125346	1.98	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.47	143	7354	0.90	ng/ul	0.04
57) Fluorene-d10	15.22	176	89166	2.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	5441	0.78	ng/ul	0.00
70) Anthracene-d10	17.08	188	140618	2.15	ng/ul	0.00
78) Pyrene-d10	19.39	212	151976	1.99	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	152227	1.99	ng/ul	-0.04

Target Compounds

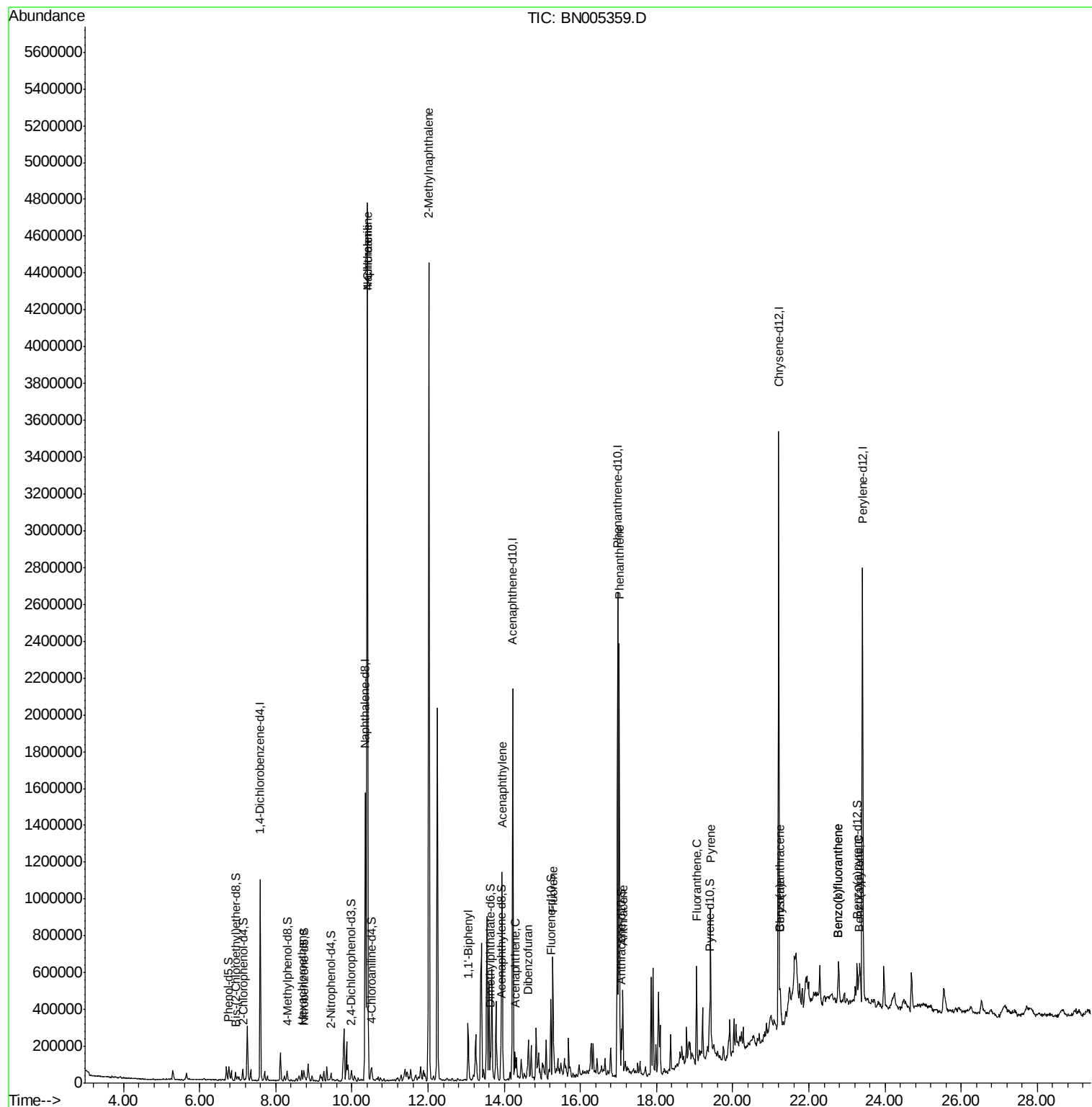
					Ovalue	
17) Hexachloroethane	8.68	117	14786	1.856	ng/ul#	6
28) Naphthalene	10.40	128	3903654	68.267	ng/ul	99
30) 4-Chloroaniline	10.40	127	512449	27.730	ng/ul#	8
34) 2-Methylnaphthalene	12.02	142	2149851	51.347	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	156437	2.950	ng/ul	98
47) Acenaphthylene	13.94	152	742395	11.903	ng/ul	97
49) Acenaphthene	14.29	153	54190	1.273	ng/ul	98
53) Dibenzofuran	14.63	168	63444	1.035	ng/ul	93
58) Fluorene	15.28	166	318786	6.664	ng/ul	99
69) Phenanthrene	17.02	178	1403417	18.475	ng/ul	99
71) Anthracene	17.11	178	295139	3.814	ng/ul	99
76) Fluoranthene	19.05	202	312188	3.705	ng/ul	99
79) Pyrene	19.42	202	490822	5.111	ng/ul	99
82) Benzo(a)anthracene	21.24	228	150291	1.620	ng/ul	93
84) Chrysene	21.24	228	150630	1.749	ng/ul	96
87) Benzo(b)fluoranthene	22.76	252	101147	1.030	ng/ul	98
88) Benzo(k)fluoranthene	22.76	252	101147	1.079	ng/ul	96
90) Benzo(a)pyrene	23.31	252	113457	1.229	ng/ul	95

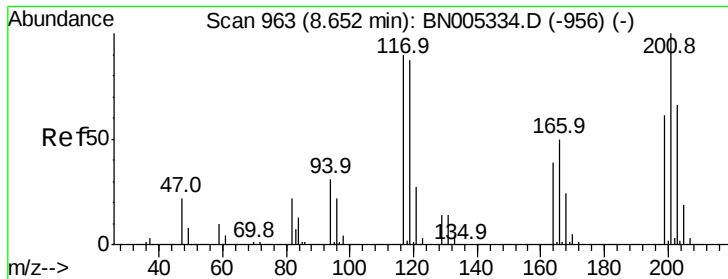
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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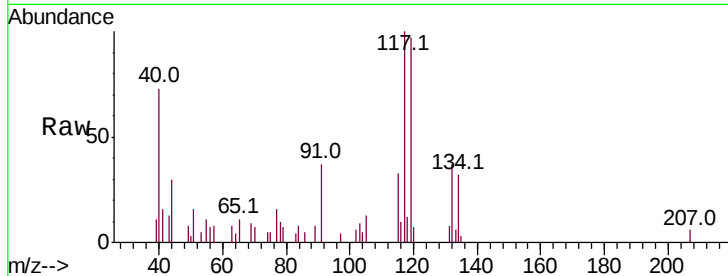




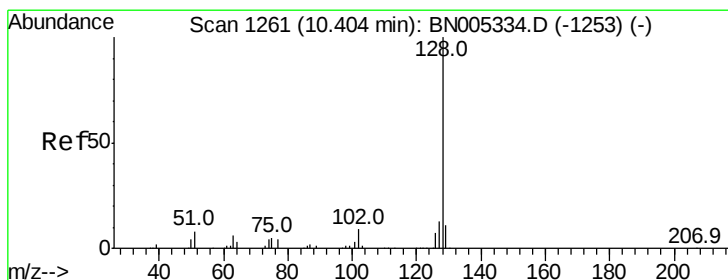
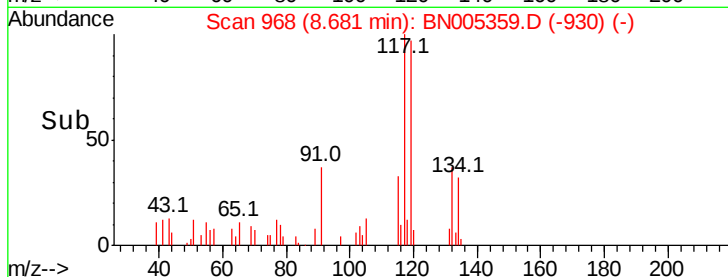
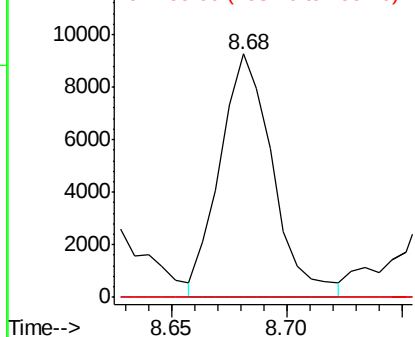
#17
Hexachloroethane
Concen: 1.856 ng/ul
RT: 8.68 min Scan# 968
Delta R.T. 0.02 min
Lab File: BN005359.D
Acq: 29 Apr 2019 19:44

Instrument :
BNA_N
ClientSampleId :

Tot Ion:117 Resp: 14786
Ion Ratio Lower Upper
117 100
201 0.0 84.1 126.1#
199 0.0 51.2 76.8#

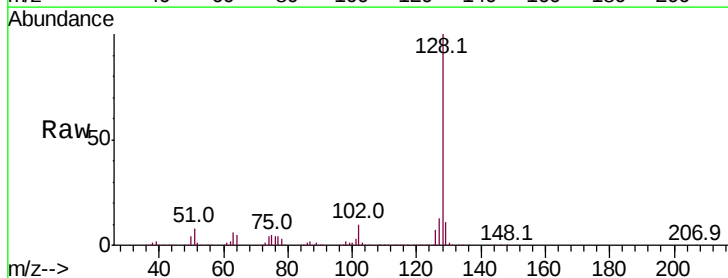


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

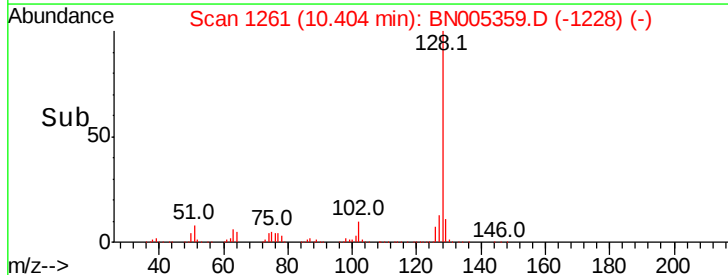
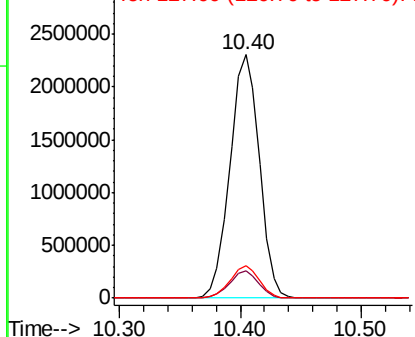


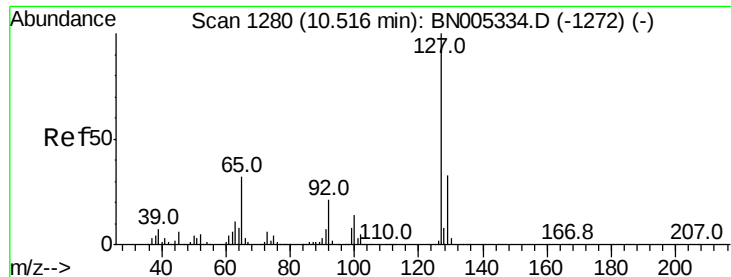
#28
Naphthalene
Concen: 68.267 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN005359.D
Acq: 29 Apr 2019 19:44

Tgt Ion:128 Resp: 3903654
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 13.1 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

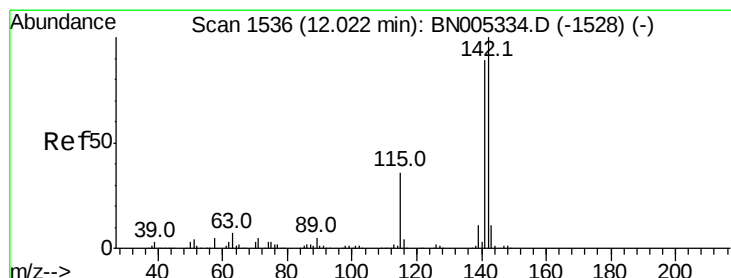
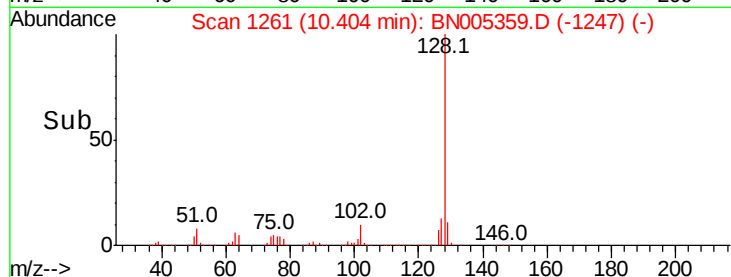
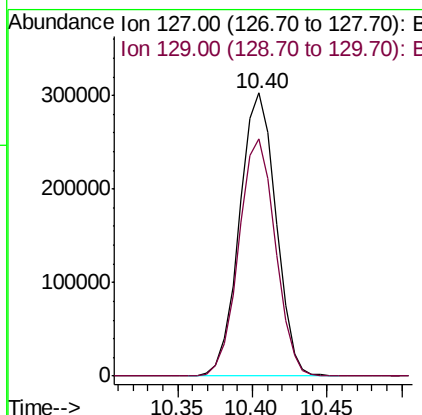
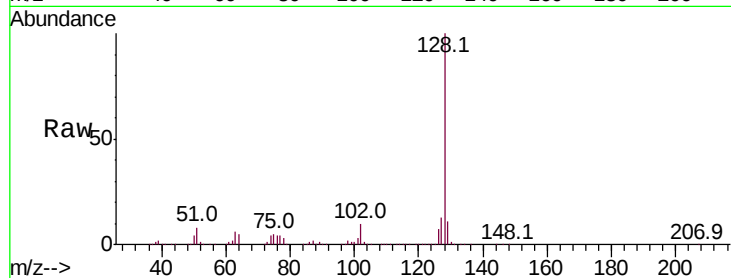




#30
 4-Chloroaniline
 Concen: 27.730 ng/ul
 RT: 10.40 min Scan# 1261
 Delta R.T. -0.12 min
 Lab File: BN005359.D
 Acq: 29 Apr 2019 19:44

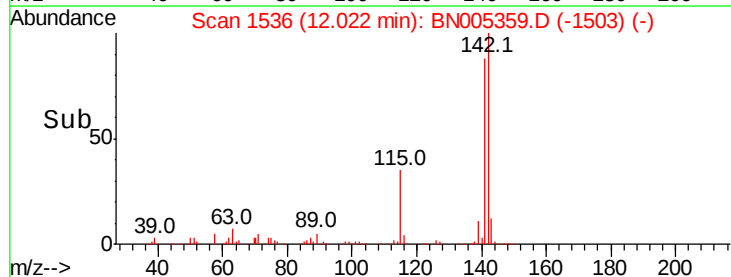
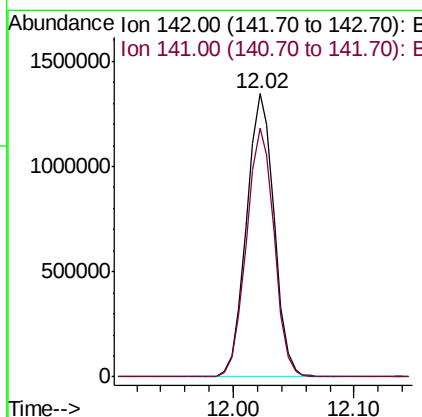
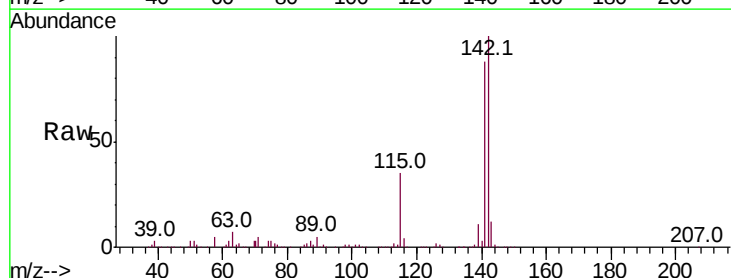
Instrument :
 BNA_N
 ClientSampleId :

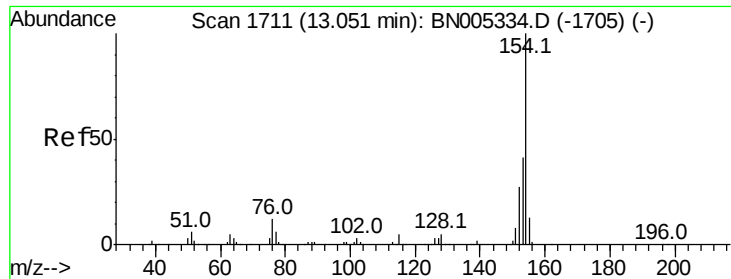
Tot Ion:127 Resp: 512449
 Ion Ratio Lower Upper
 127 100
 129 83.7 25.8 38.6#



#34
 2-Methylnaphthalene
 Concen: 51.347 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BN005359.D
 Acq: 29 Apr 2019 19:44

Tgt Ion:142 Resp: 2149851
 Ion Ratio Lower Upper
 142 100
 141 87.9 72.0 108.0





#40

1,1'-Biphenyl

Concen: 2.950 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BN005359.D

Acq: 29 Apr 2019 19:44

Instrument :

BNA_N

ClientSampled :

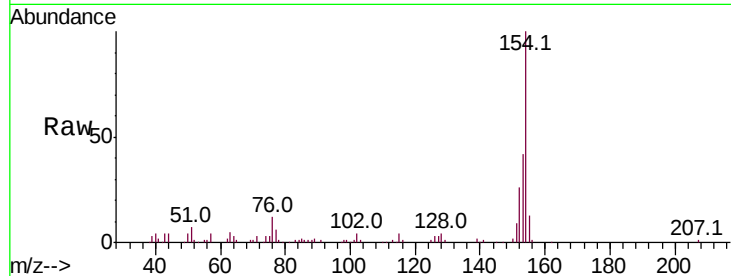
Tot Ion:154 Resp: 156437

Ion Ratio Lower Upper

154 100

153 42.5 32.6 49.0

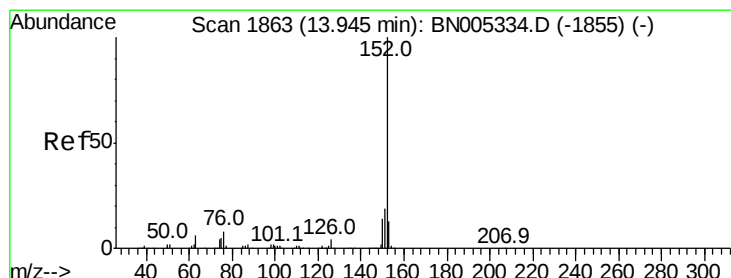
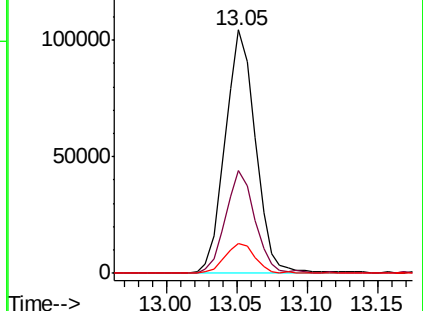
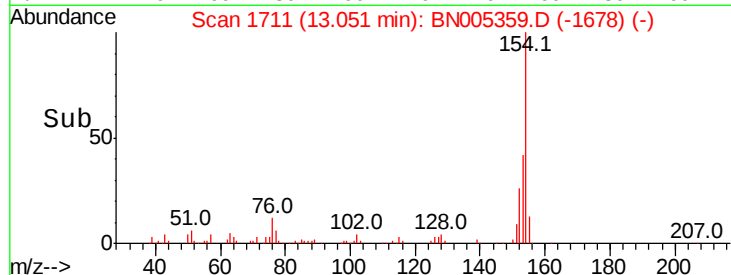
76 12.5 10.4 15.6



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



#47

Acenaphthylene

Concen: 11.903 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN005359.D

Acq: 29 Apr 2019 19:44

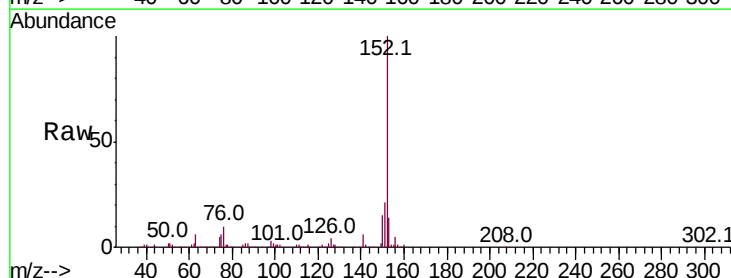
Tgt Ion:152 Resp: 742395

Ion Ratio Lower Upper

152 100

151 20.8 15.8 23.8

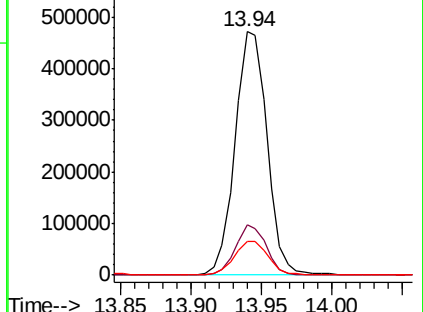
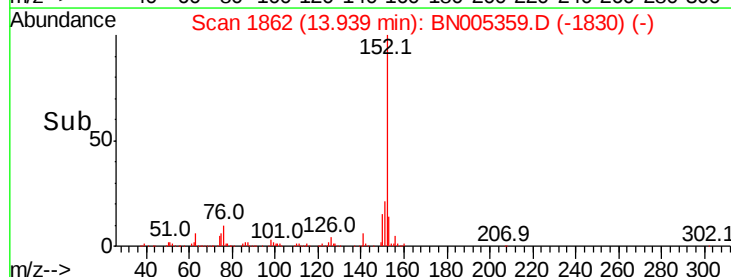
153 13.8 9.8 14.8

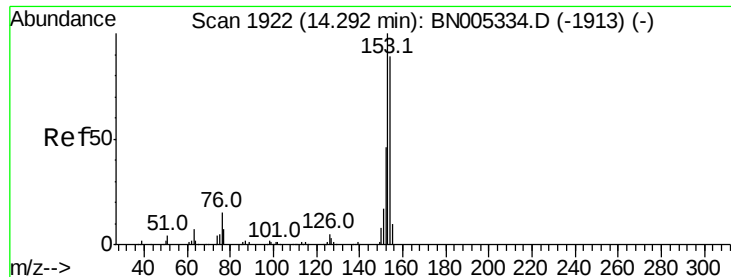


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.273 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005359.D

Acq: 29 Apr 2019 19:44

Instrument :

BNA_N

ClientSampleId :

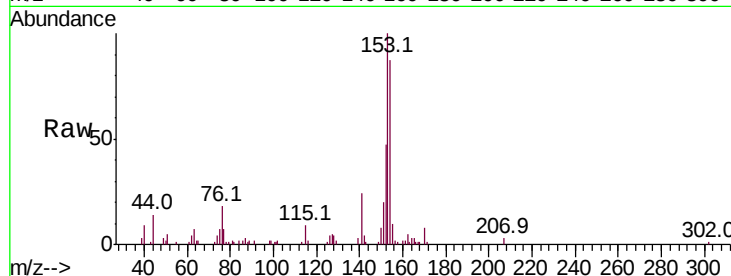
Tot Ion:153 Resp: 54190

Ion Ratio Lower Upper

153 100

152 47.1 37.4 56.0

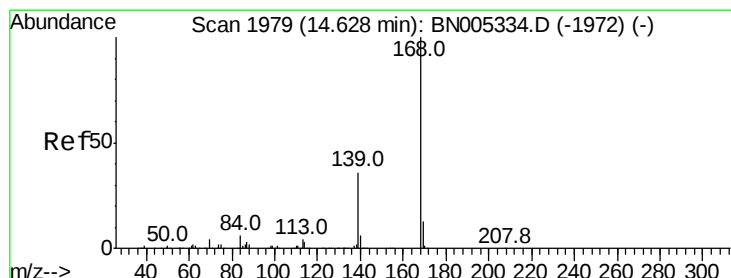
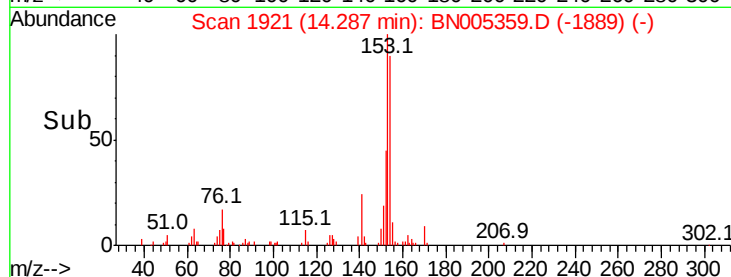
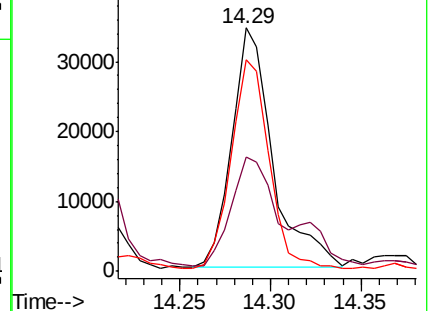
154 87.0 71.2 106.8



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



#53

Dibenzofuran

Concen: 1.035 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005359.D

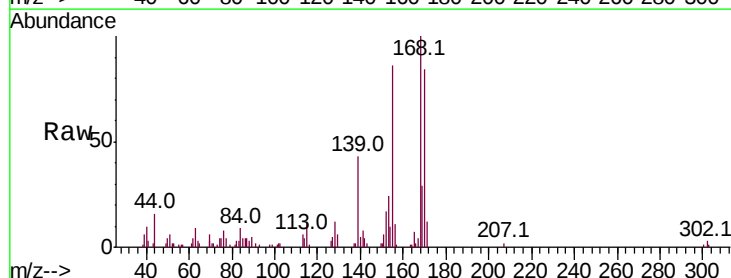
Acq: 29 Apr 2019 19:44

Tgt Ion:168 Resp: 63444

Ion Ratio Lower Upper

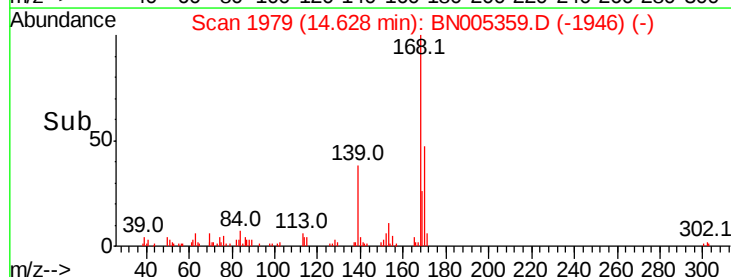
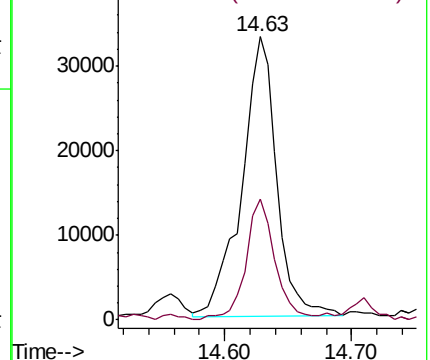
168 100

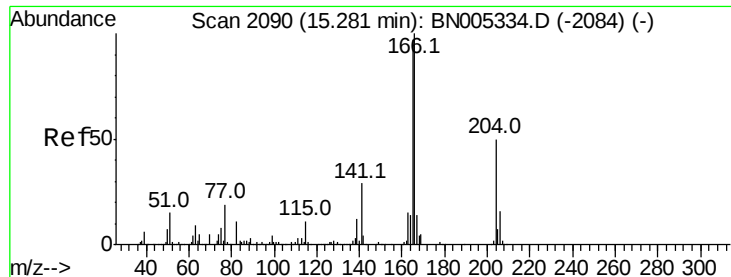
139 42.7 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.664 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BN005359.D

Acq: 29 Apr 2019 19:44

Instrument :

BNA_N

ClientSampled :

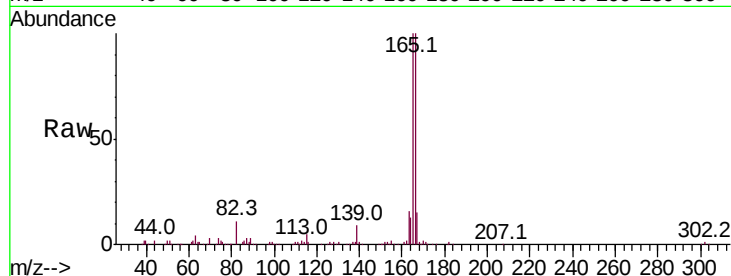
Tot Ion:166 Resp: 318786

Ion Ratio Lower Upper

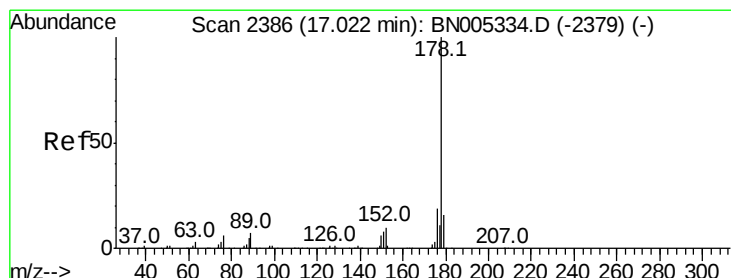
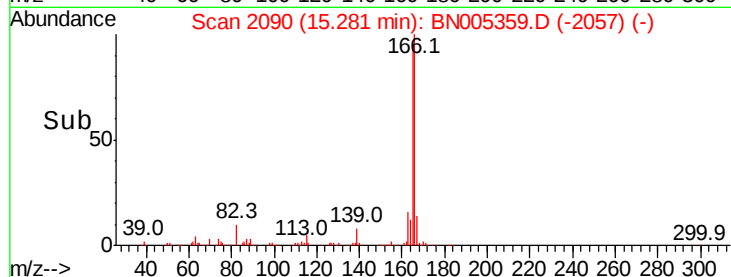
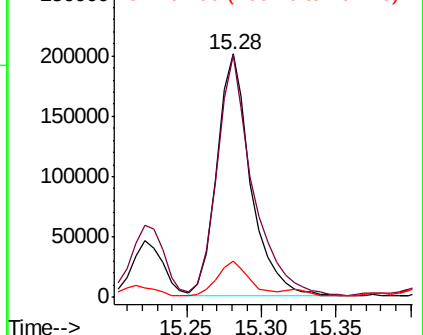
166 100

165 99.5 80.0 120.0

167 15.1 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: 18.475 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN005359.D

Acq: 29 Apr 2019 19:44

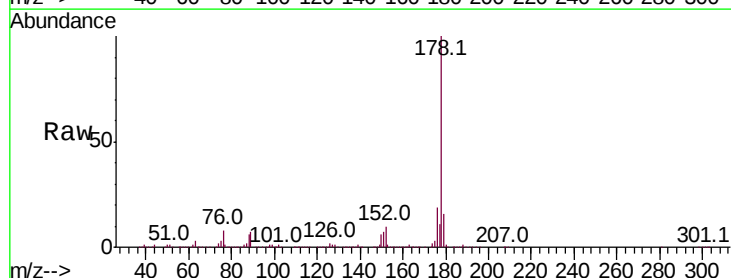
Tgt Ion:178 Resp: 1403417

Ion Ratio Lower Upper

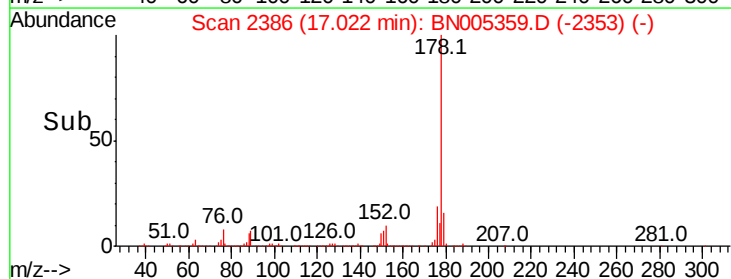
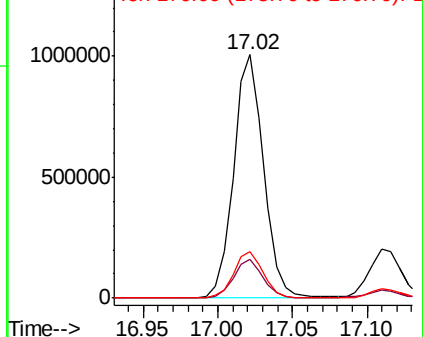
178 100

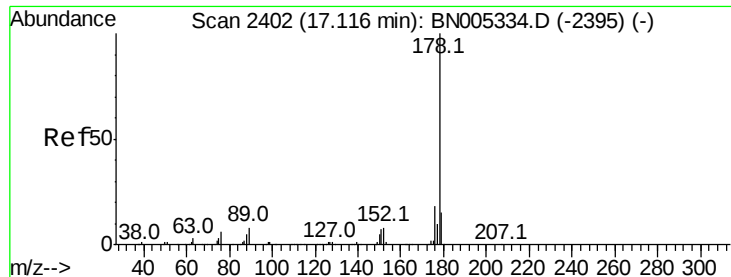
179 15.7 12.2 18.4

176 19.0 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

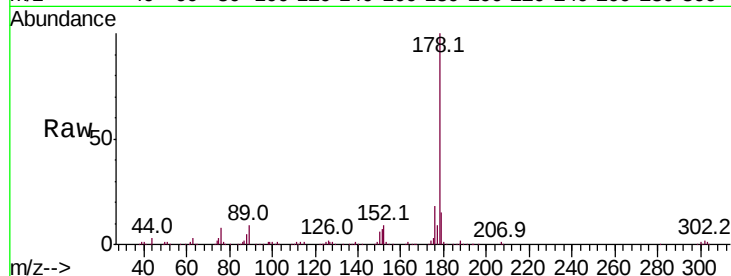




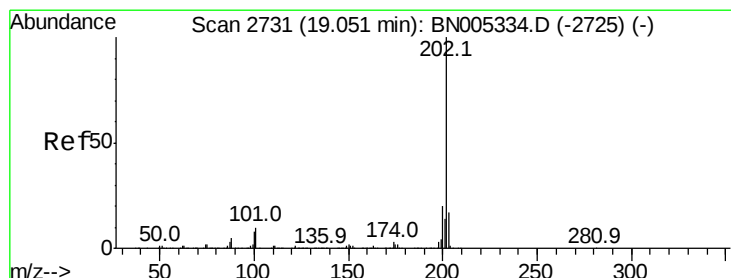
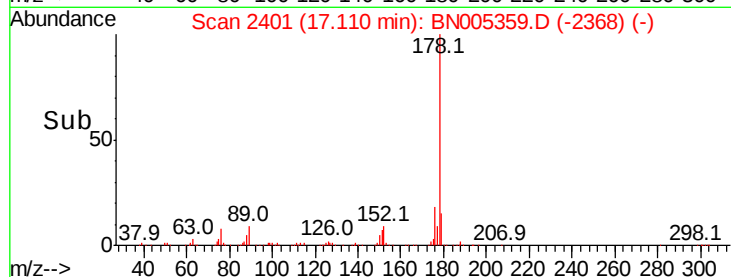
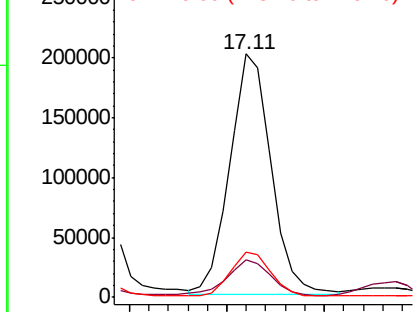
#71
 Anthracene
 Concen: 3.814 ng/ul
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN005359.D
 Acq: 29 Apr 2019 19:44

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	18.4	15.1	22.7

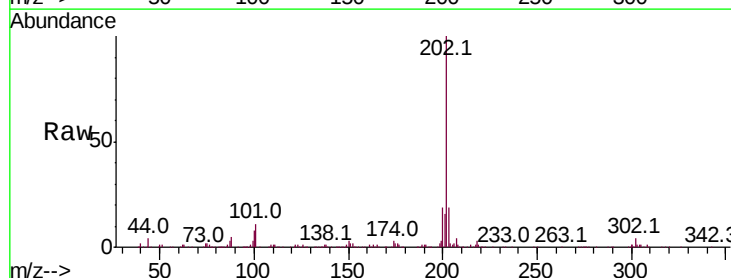


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

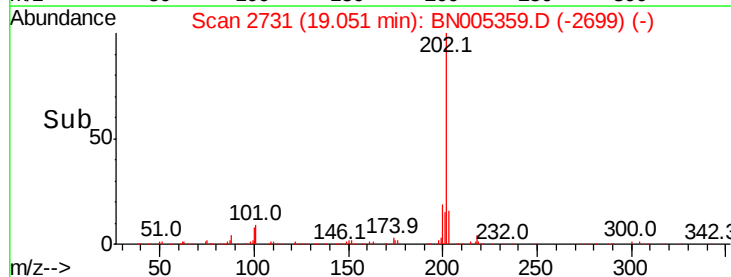
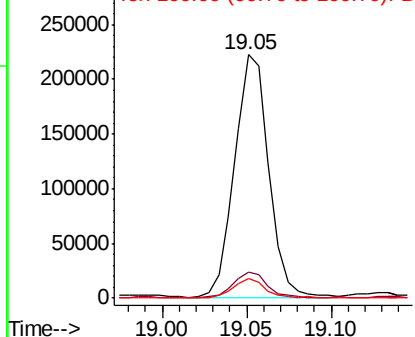


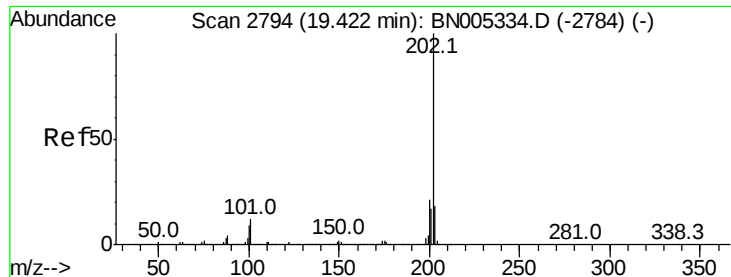
#76
 Fluoranthene
 Concen: 3.705 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: BN005359.D
 Acq: 29 Apr 2019 19:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.6	12.8
100	8.3	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: 5.111 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BN005359.D

Acq: 29 Apr 2019 19:44

Instrument :

BNA_N

ClientSampleId :

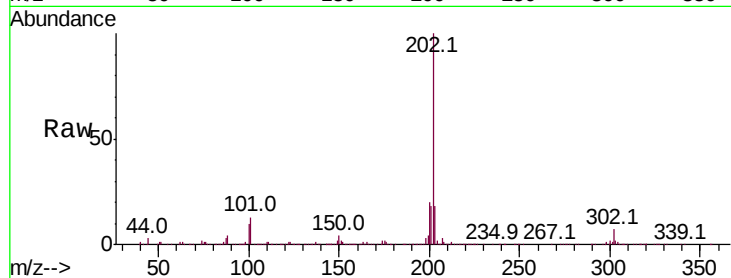
Tot Ion:202 Resp: 490822

Ion Ratio Lower Upper

202 100

101 12.6 10.3 15.5

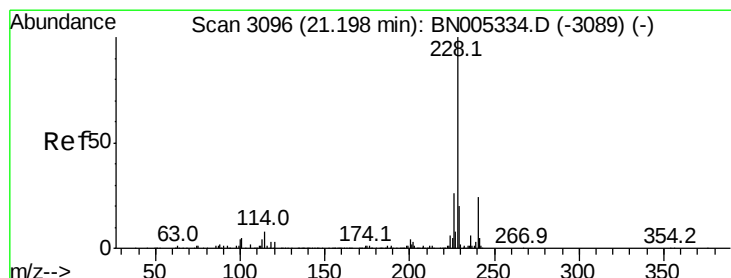
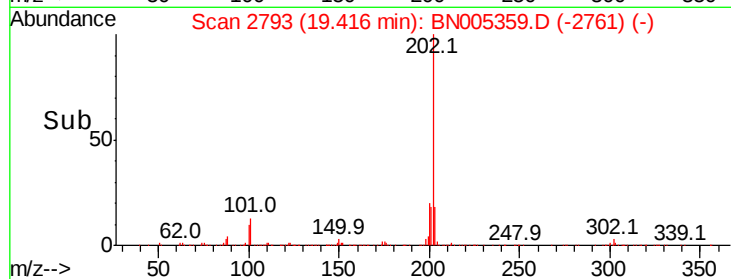
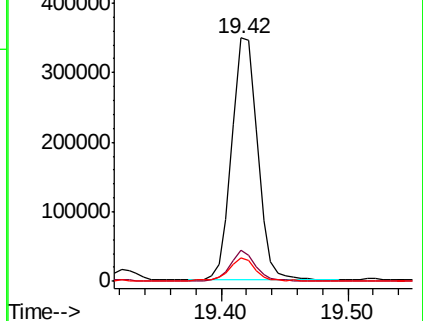
100 9.8 7.9 11.9



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



#82

Benzo(a)anthracene

Concen: 1.620 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. 0.04 min

Lab File: BN005359.D

Acq: 29 Apr 2019 19:44

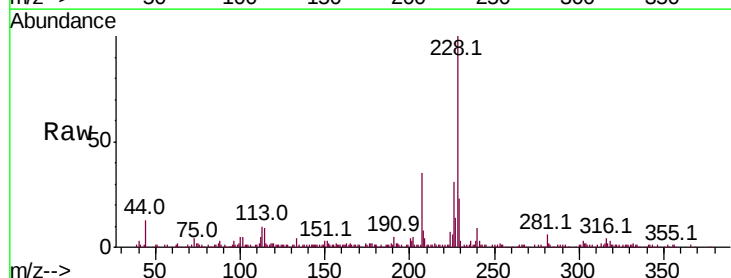
Tgt Ion:228 Resp: 150291

Ion Ratio Lower Upper

228 100

229 22.7 15.8 23.6

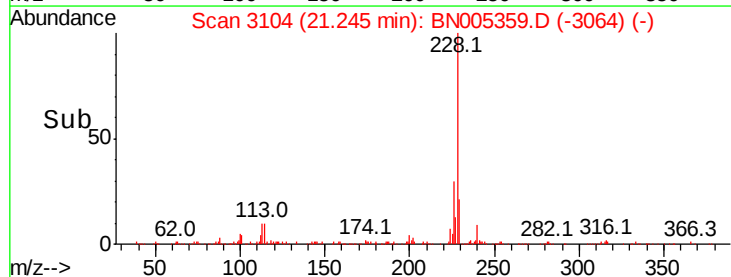
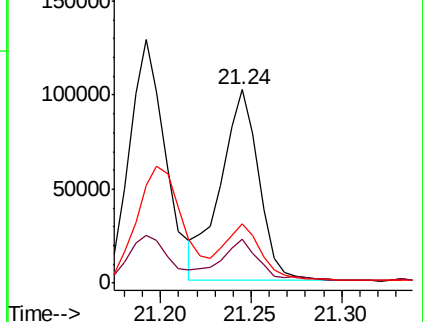
226 31.0 21.4 32.2

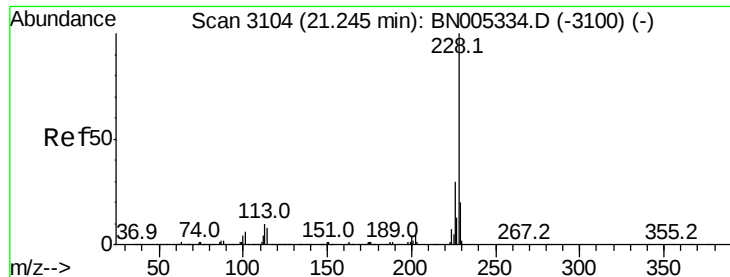


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 1.749 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. -0.02 min

Lab File: BN005359.D

Acq: 29 Apr 2019 19:44

Instrument :

BNA_N

ClientSampleId :

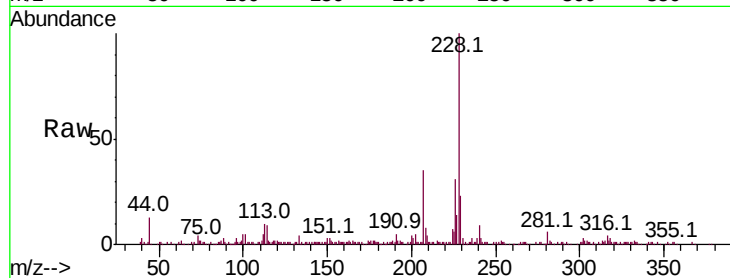
Tot Ion:228 Resp: 150630

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

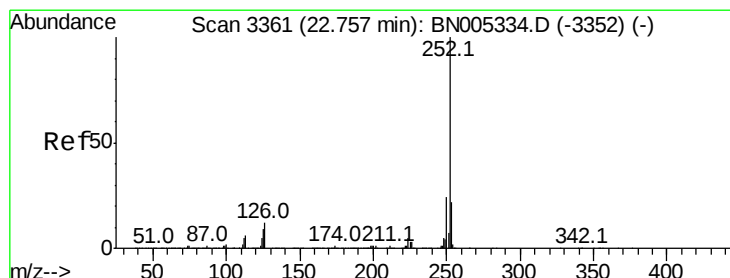
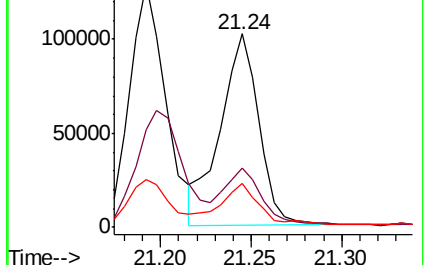
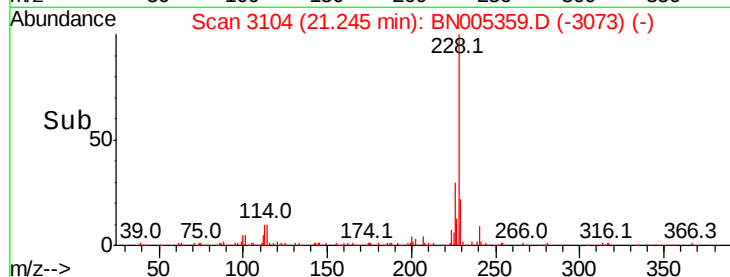
229 22.7 15.4 23.0



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: 1.030 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BN005359.D

Acq: 29 Apr 2019 19:44

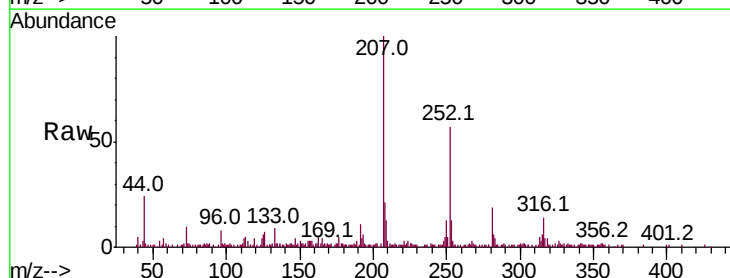
Tgt Ion:252 Resp: 101147

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

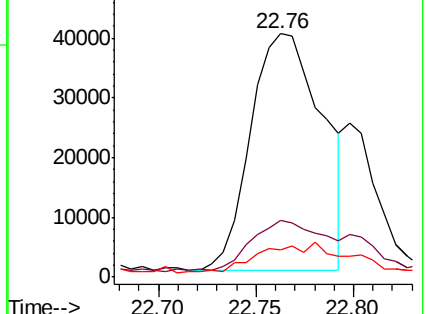
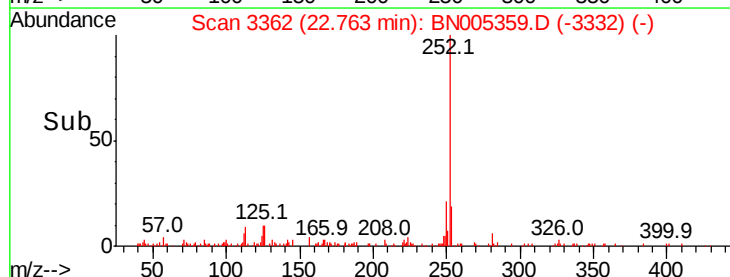
125 11.0 8.4 12.6

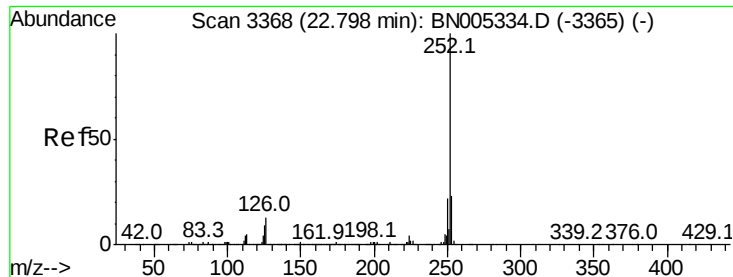


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

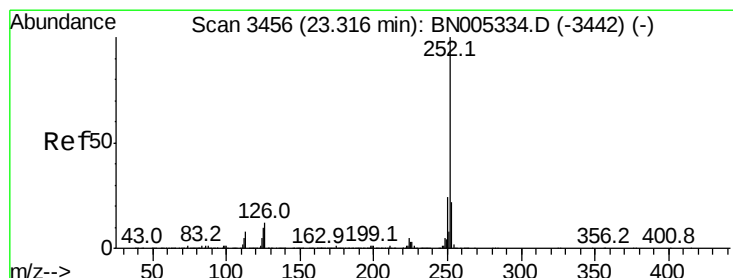
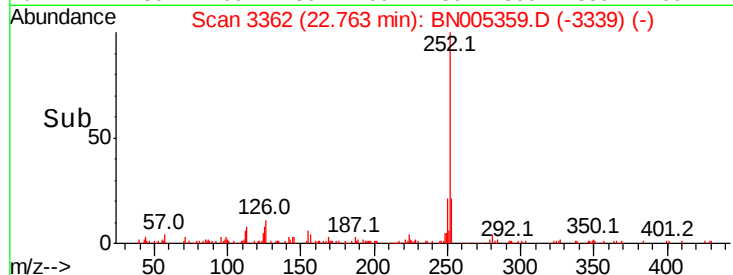
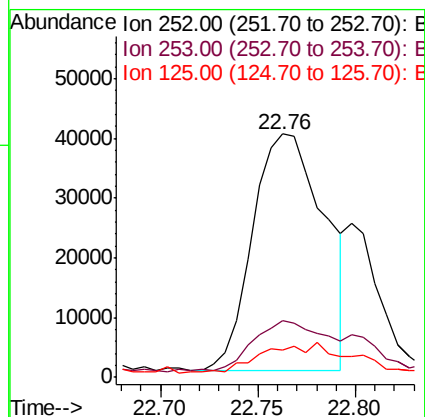
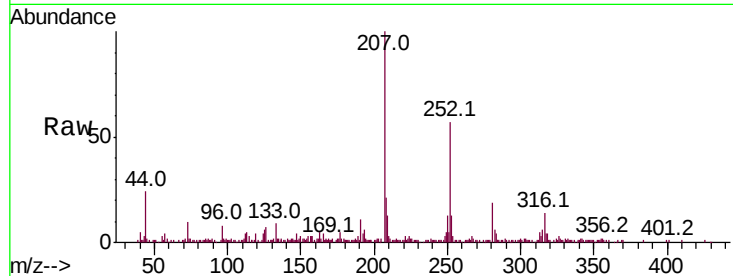




#88
Benzo(k)fluoranthene
Concen: 1.079 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. -0.06 min
Lab File: BN005359.D
Acq: 29 Apr 2019 19:44

Instrument :
BNA_N
ClientSampled :

Tot Ion:252 Resp: 101147
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.0 7.5 11.3



#90
Benzo(a)pyrene
Concen: 1.229 ng/ul
RT: 23.31 min Scan# 3455
Delta R.T. -0.04 min
Lab File: BN005359.D
Acq: 29 Apr 2019 19:44

Tgt Ion:252 Resp: 113457
Ion Ratio Lower Upper
252 100
253 25.2 17.3 25.9
125 10.9 8.6 13.0

