

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
 Data File : BN005360.D
 Acq On : 29 Apr 2019 20:18
 Operator : JU/SJ
 Sample : K2455-11MEDL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 30 00:54:06 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	260476	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1139833	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	774178	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.98	188	1701813	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1686369	20.00	ng/ul	-0.02
85) Perylene-d12	23.40	264	1926014	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1948	0.36	ng/uL	0.00
5) Phenol-d5	6.78	99	36755	1.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	24296	1.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	29552	1.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	24207	1.51	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	16469	2.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	16529	2.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	31848	1.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	39253	2.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	127309	2.27	ng/ul	-0.01
46) Acenaphthylene-d8	13.92	160	160029	2.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	240	0.03	ng/ul	0.09
57) Fluorene-d10	15.22	176	116126	2.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	7930	1.04	ng/ul	0.00
70) Anthracene-d10	17.07	188	179087	2.51	ng/ul	-0.01
78) Pyrene-d10	19.39	212	202611	2.35	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	204935	2.43	ng/ul	-0.04

Target Compounds

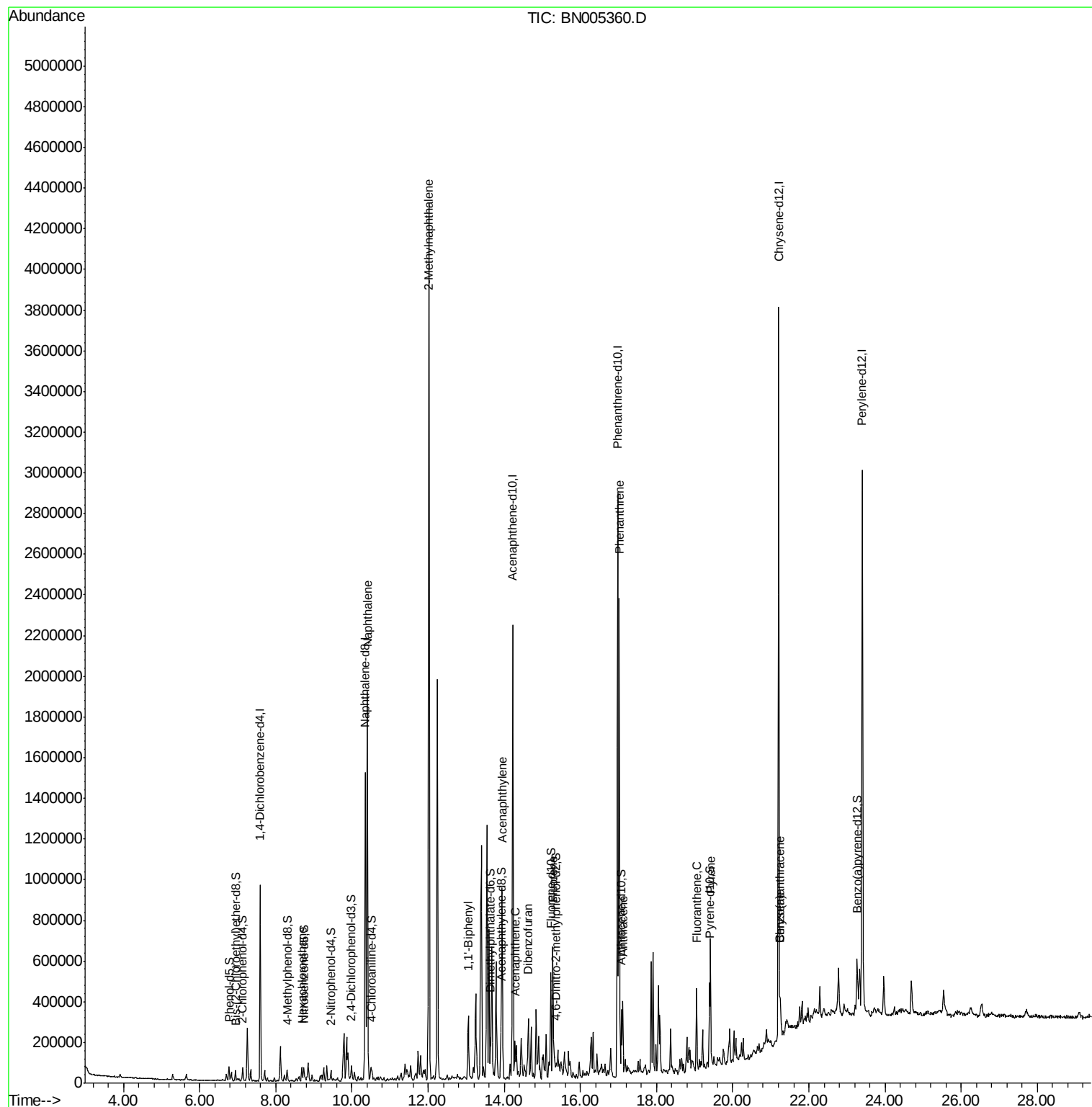
					Ovalue	
17) Hexachloroethane	8.68	117	16451	2.341	ng/ul#	6
28) Naphthalene	10.40	128	1566934	29.571	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	2197472	56.637	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	138786	2.406	ng/ul	99
47) Acenaphthylene	13.94	152	536705	7.912	ng/ul	98
49) Acenaphthene	14.29	153	61810	1.335	ng/ul	93
53) Dibenzofuran	14.63	168	82525	1.238	ng/ul	99
58) Fluorene	15.28	166	305309	5.868	ng/ul	97
69) Phenanthrene	17.02	178	1416168	17.087	ng/ul	100
71) Anthracene	17.11	178	238008	2.819	ng/ul	99
76) Fluoranthene	19.05	202	240956	2.621	ng/ul	97
79) Pyrene	19.42	202	397285	3.659	ng/ul	98
82) Benzo(a)anthracene	21.25	228	121692	1.160	ng/ul	93
84) Chrysene	21.25	228	121759	1.251	ng/ul	96

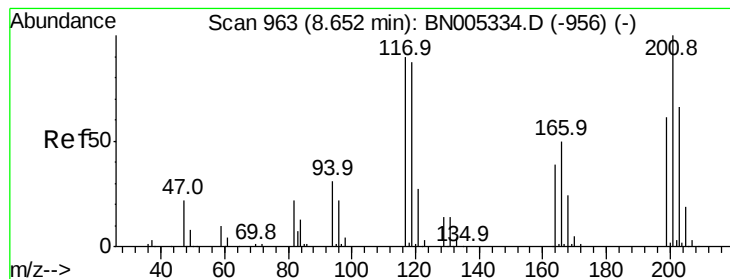
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration





#17

Hexachloroethane

Concen: 2.341 ng/ul

RT: 8.68 min Scan# 968

Delta R.T. 0.02 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

Instrument :

BNA_N

ClientSampleId :

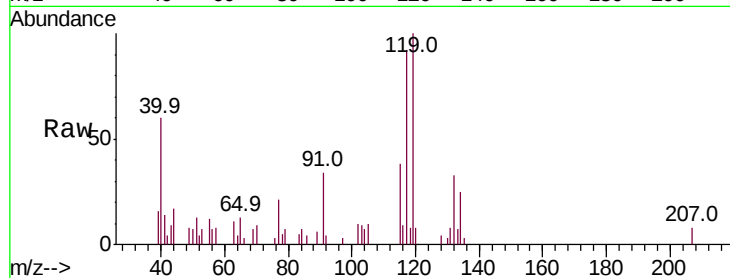
Tot Ion:117 Resp: 16451

Ion Ratio Lower Upper

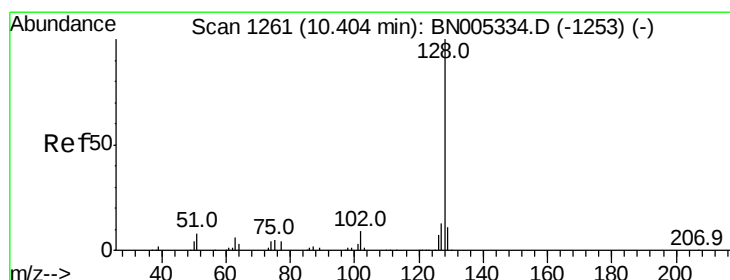
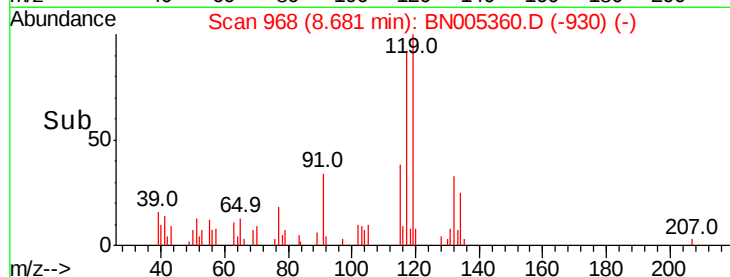
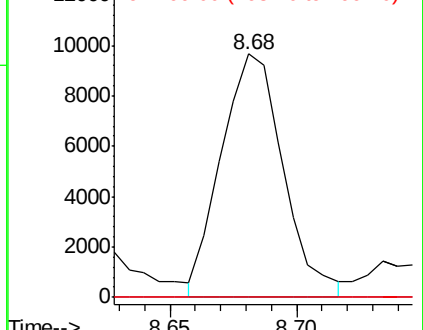
117 100

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: 29.571 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

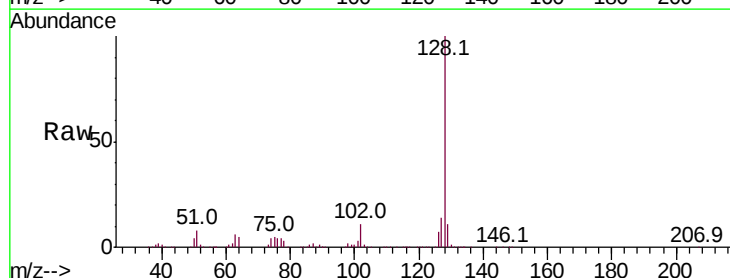
Tgt Ion:128 Resp: 1566934

Ion Ratio Lower Upper

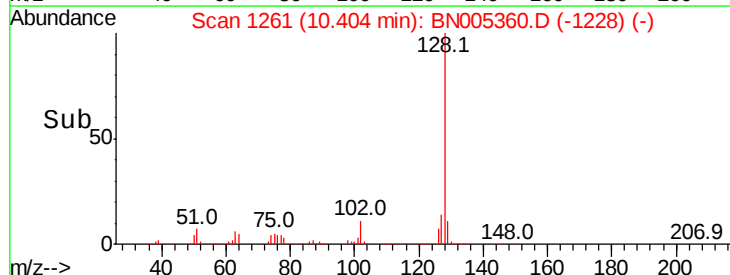
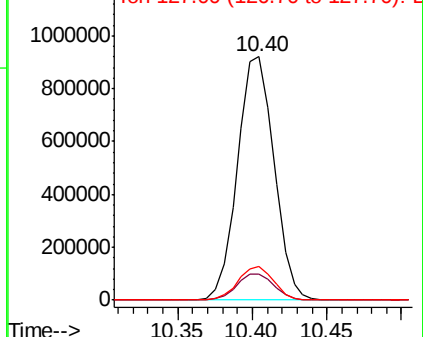
128 100

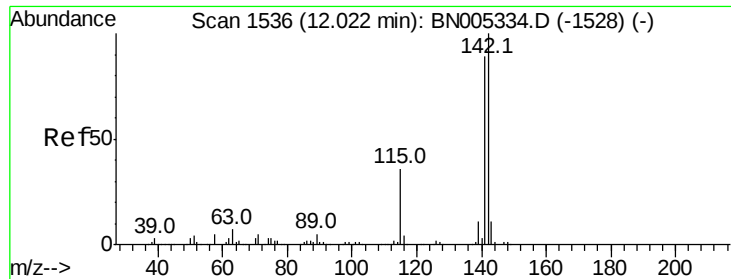
129 10.8 9.2 13.8

127 13.7 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

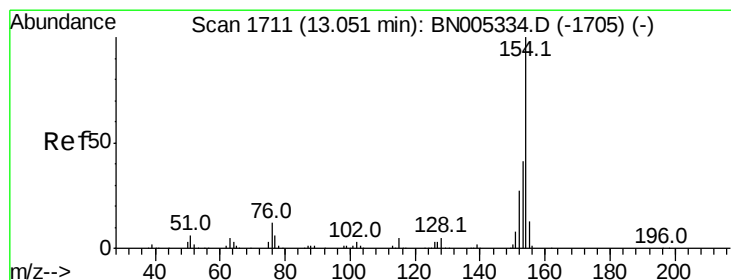
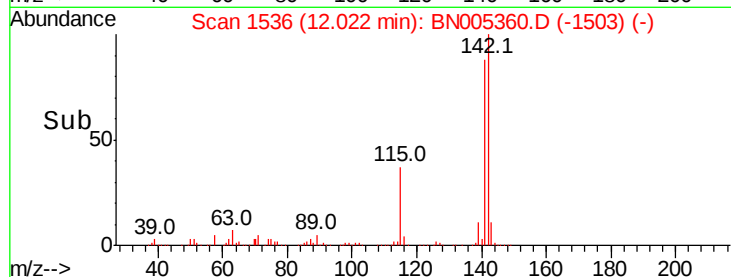
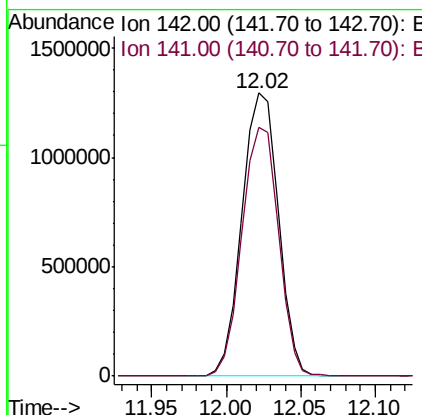
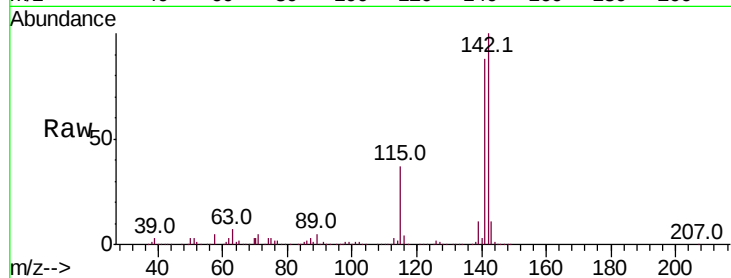




#34
 2-Methylnaphthalene
 Concen: 56.637 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BN005360.D
 Acq: 29 Apr 2019 20:18

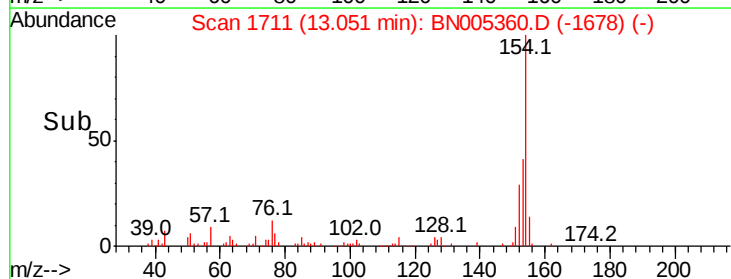
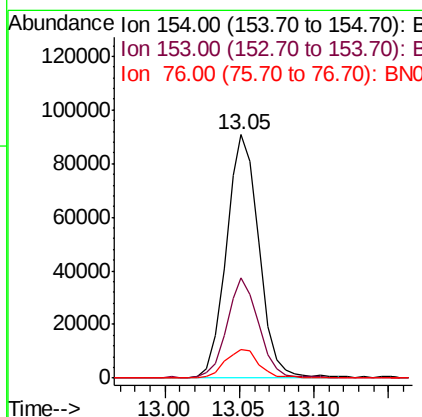
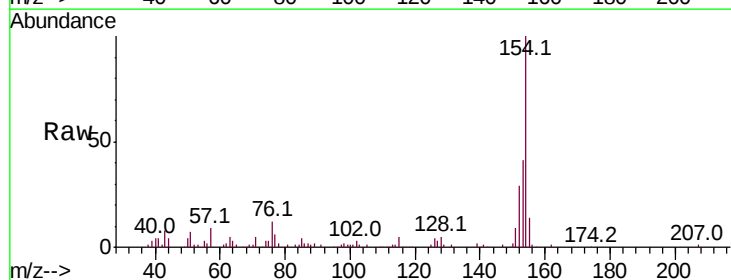
Instrument :
 BNA_N
 ClientSampled :

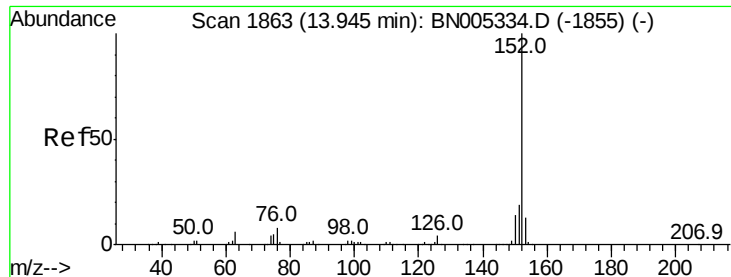
Tot Ion:142 Resp: 2197472
 Ion Ratio Lower Upper
 142 100
 141 87.9 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 2.406 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BN005360.D
 Acq: 29 Apr 2019 20:18

Tgt Ion:154 Resp: 138786
 Ion Ratio Lower Upper
 154 100
 153 41.2 32.6 49.0
 76 11.8 10.4 15.6





#47

Acenaphthylene

Concen: 7.912 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

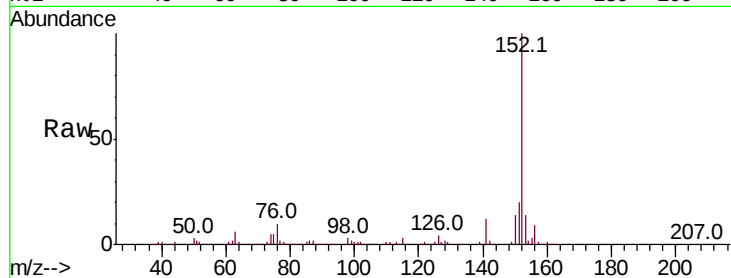
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 536705

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.8	9.8	14.8

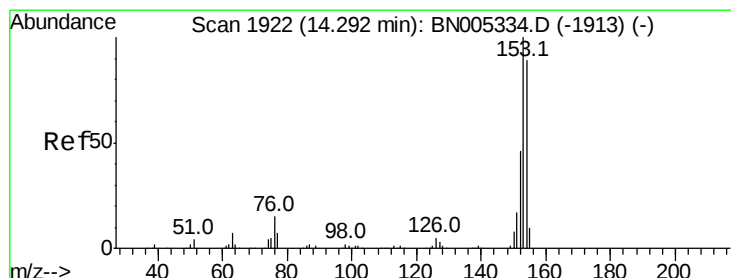
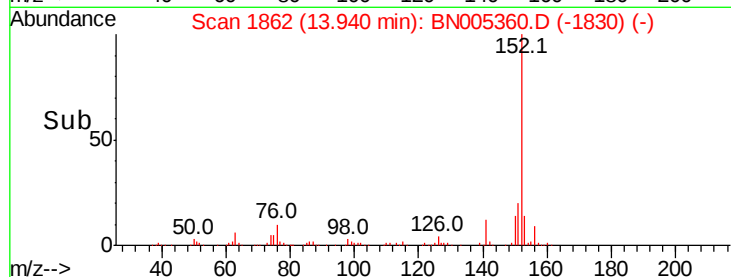
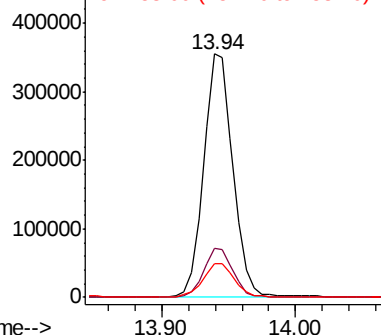


Abundance

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: 1.335 ng/ul

RT: 14.29 min Scan# 1921

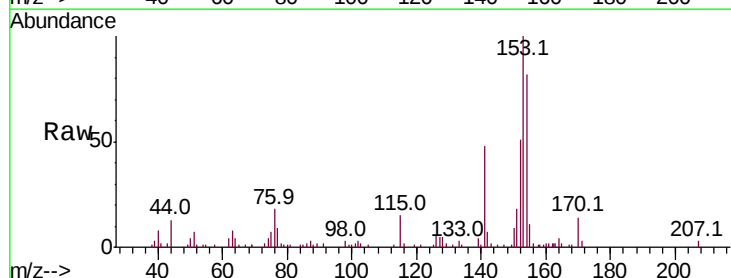
Delta R.T. -0.01 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

Tgt Ion:153 Resp: 61810

Ion	Ratio	Lower	Upper
153	100		
152	51.2	37.4	56.0
154	82.1	71.2	106.8

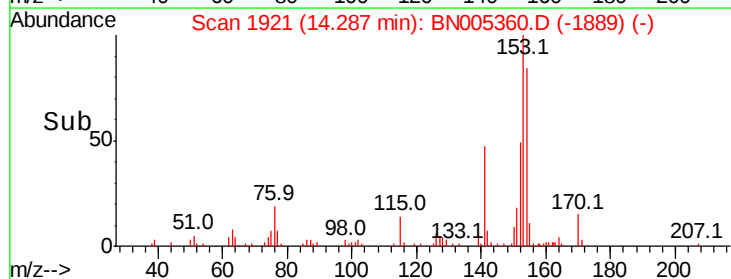
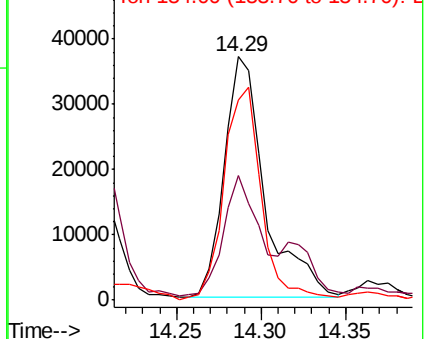


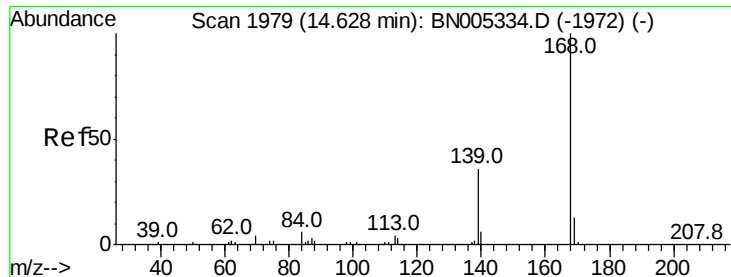
Abundance

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: 1.238 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

Instrument :

BNA_N

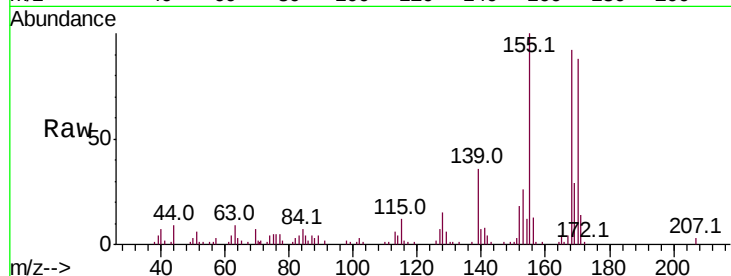
ClientSampled :

Tot Ion:168 Resp: 82525

Ion Ratio Lower Upper

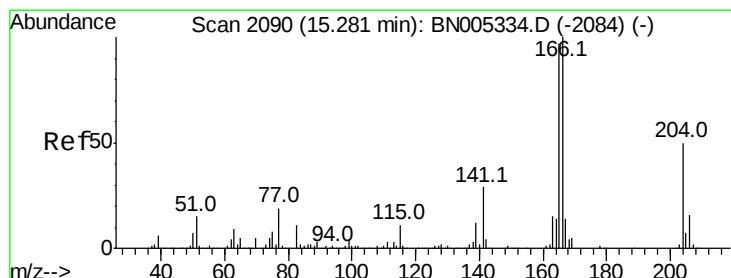
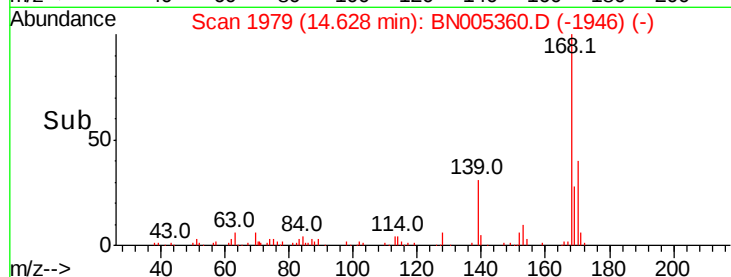
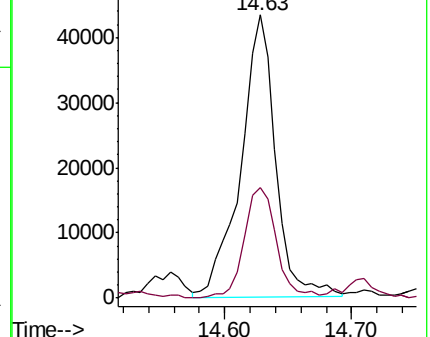
168 100

139 39.1 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: 5.868 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

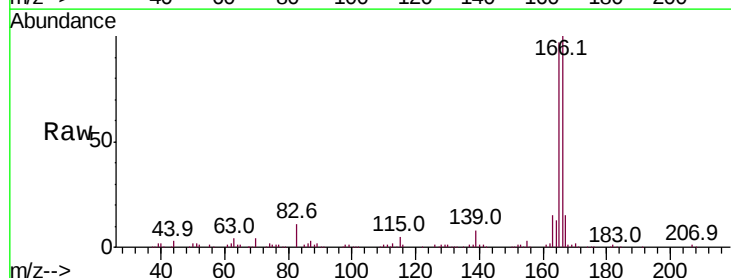
Tgt Ion:166 Resp: 305309

Ion Ratio Lower Upper

166 100

165 97.3 80.0 120.0

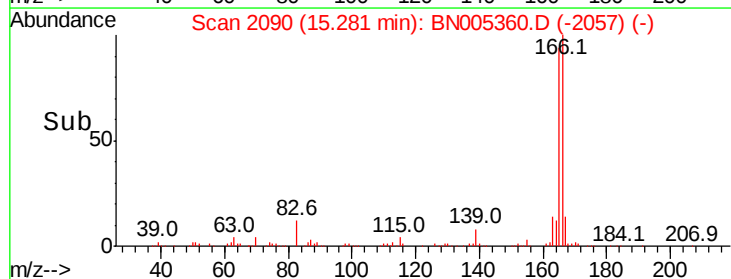
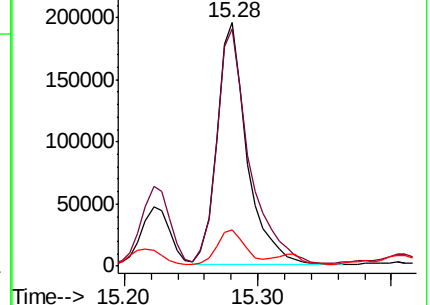
167 15.1 10.7 16.1

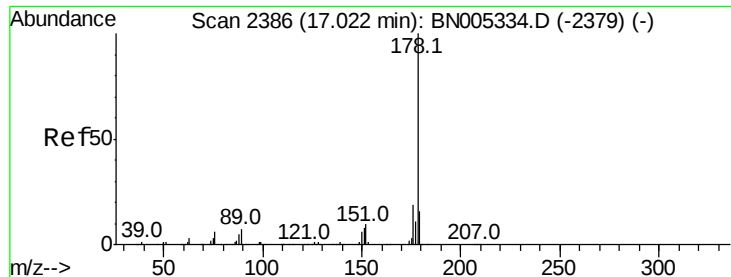


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 17.087 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

Instrument :

BNA_N

ClientSampleId :

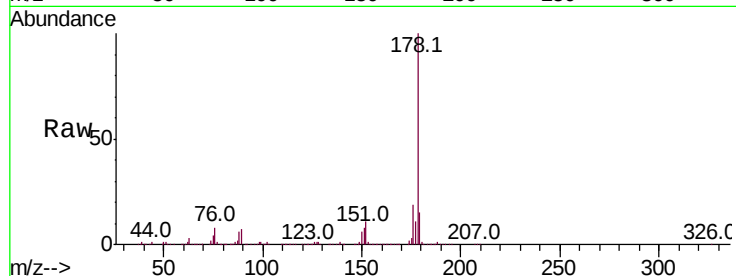
Tot Ion:178 Resp: 1416168

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

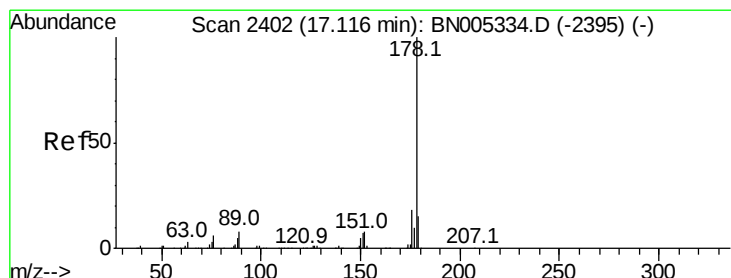
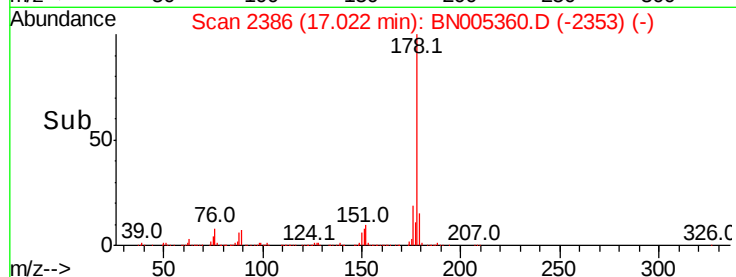
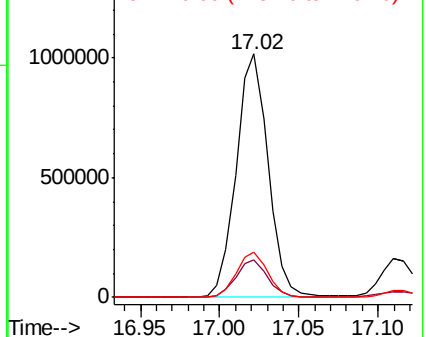
176 18.8 15.1 22.7



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: 2.819 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

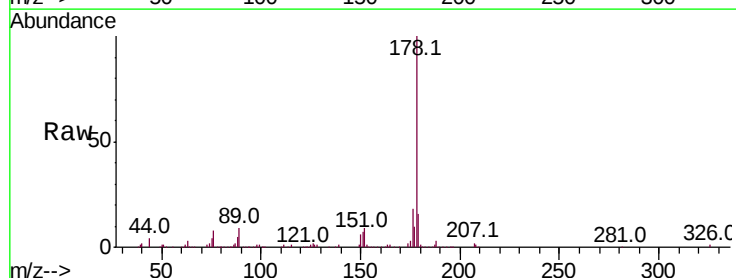
Tgt Ion:178 Resp: 238008

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

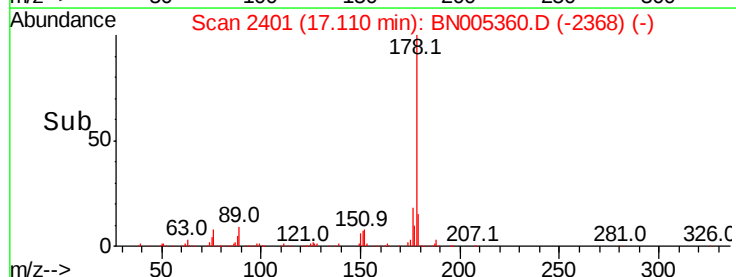
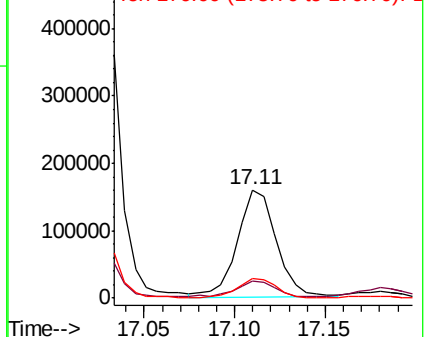
176 18.2 15.1 22.7

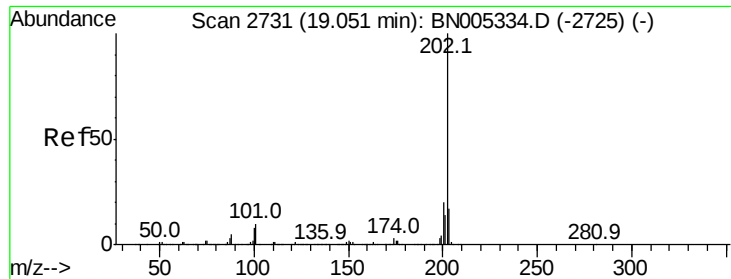


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 2.621 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

Instrument :

BNA_N

ClientSampleId :

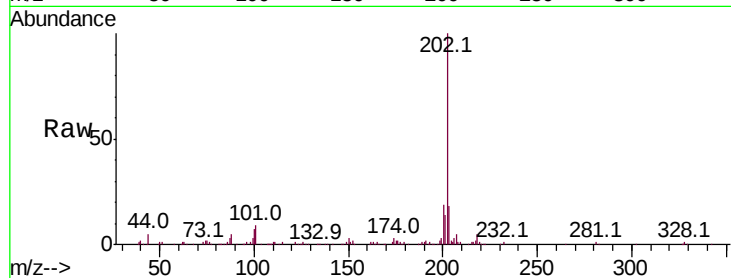
Tot Ion:202 Resp: 240956

Ion Ratio Lower Upper

202 100

101 9.3 8.6 12.8

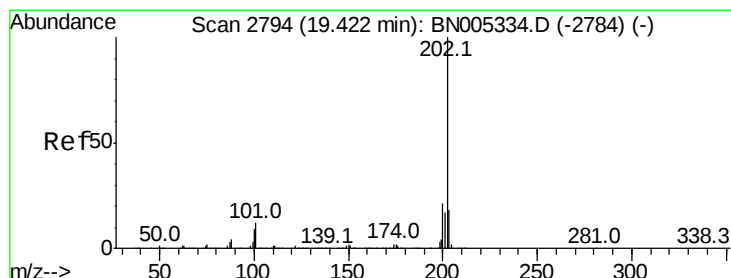
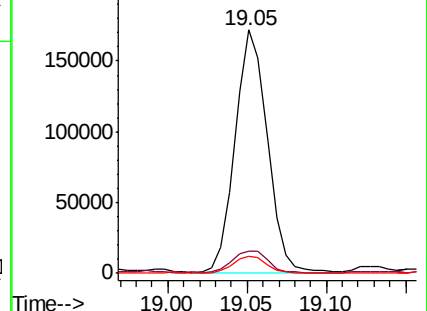
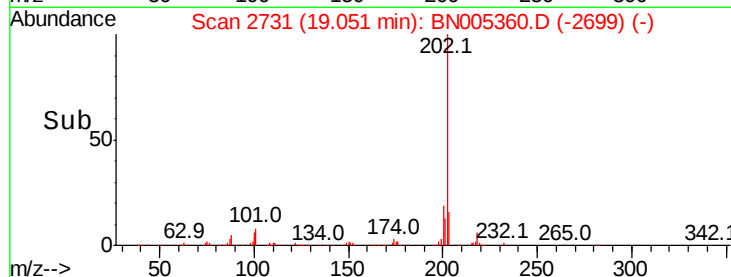
100 7.0 6.3 9.5



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: 3.659 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BN005360.D

Acq: 29 Apr 2019 20:18

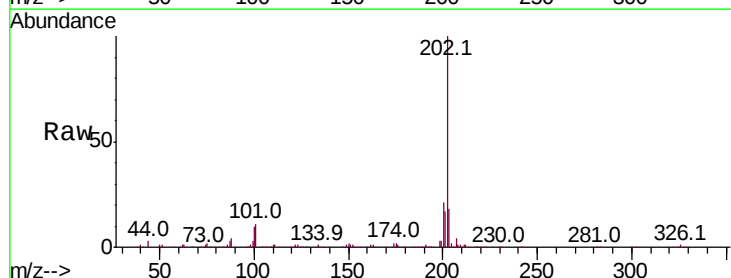
Tgt Ion:202 Resp: 397285

Ion Ratio Lower Upper

202 100

101 11.2 10.3 15.5

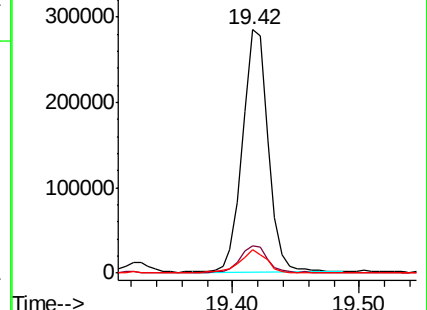
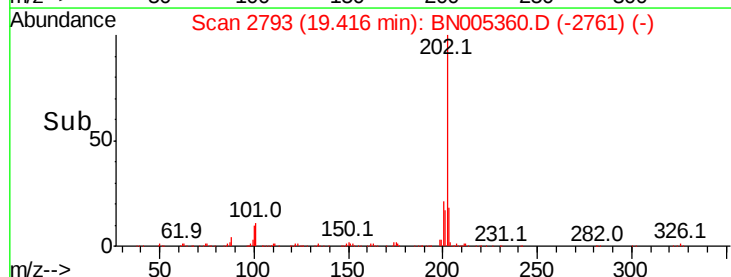
100 9.9 7.9 11.9

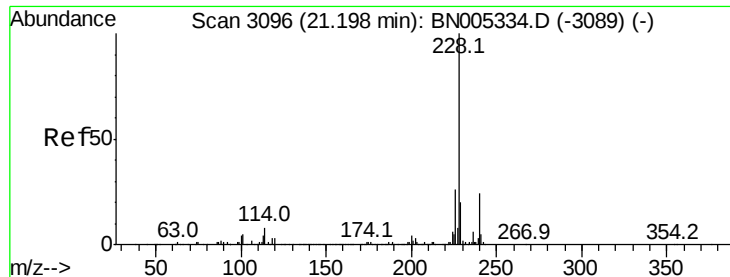


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

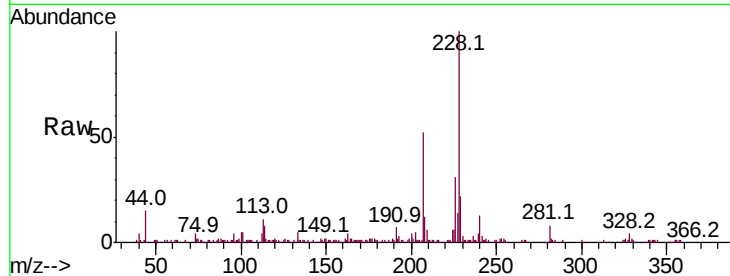




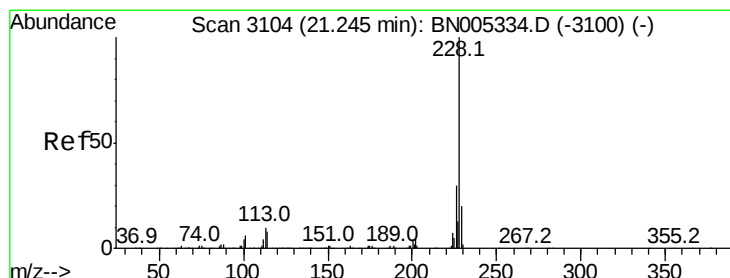
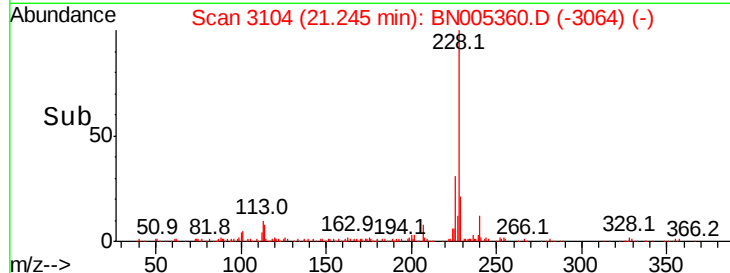
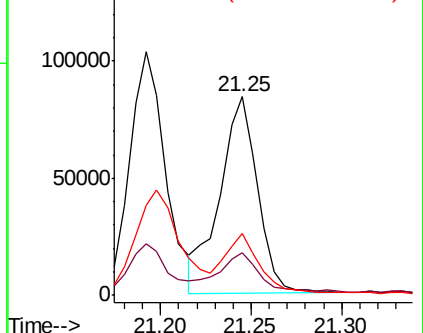
#82
Benzo(a)anthracene
Concen: 1.160 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. 0.04 min
Lab File: BN005360.D
Acq: 29 Apr 2019 20:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.8	23.6
226	31.3	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



#84
Chrysene
Concen: 1.251 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. -0.02 min
Lab File: BN005360.D
Acq: 29 Apr 2019 20:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	21.8	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

