

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
 Data File : BN005364.D
 Acq On : 29 Apr 2019 22:36
 Operator : JU/SJ
 Sample : K2455-05MEDL 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 30 00:54:46 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	243563	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1060763	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	627521	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.98	188	1378977	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1376951	20.00	ng/ul	-0.02
85) Perylene-d12	23.41	264	1581093	20.00	ng/ul	-0.03

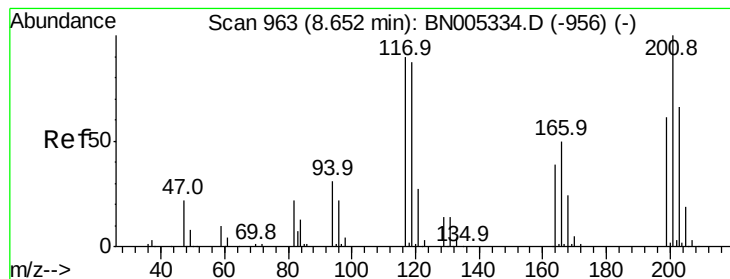
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1748	0.35	ng/uL	0.00
5) Phenol-d5	6.78	99	23206	1.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	16621	1.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	20344	1.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	16457	1.10	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	10632	1.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	9251	1.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	18878	1.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	23972	1.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	65956	1.45	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	86390	1.54	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.40	143	110	0.02	ng/ul	-0.03
57) Fluorene-d10	15.22	176	64027	1.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	2104	0.34	ng/ul	0.00
70) Anthracene-d10	17.07	188	95992	1.66	ng/ul	-0.01
78) Pyrene-d10	19.39	212	105454	1.50	ng/ul	-0.01
89) Benzo(a)pyrene-d12	23.27	264	104238	1.51	ng/ul	-0.03

Target Compounds

					Ovalue	
17) Hexachloroethane	8.68	117	19030	2.895	ng/ul#	6
28) Naphthalene	10.40	128	3563906	72.271	ng/ul	99
30) 4-Chloroaniline	10.40	127	461494	28.958	ng/ul#	8
34) 2-Methylnaphthalene	12.02	142	3205336	88.772	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	210409	4.500	ng/ul	99
47) Acenaphthylene	13.94	152	867963	15.786	ng/ul	98
49) Acenaphthene	14.29	153	83101	2.214	ng/ul	98
53) Dibenzofuran	14.63	168	89421	1.655	ng/ul	99
58) Fluorene	15.28	166	485824	11.520	ng/ul	98
69) Phenanthrene	17.02	178	2282755	33.991	ng/ul	100
71) Anthracene	17.11	178	254939	3.726	ng/ul	98
76) Fluoranthene	19.05	202	516747	6.937	ng/ul	98
79) Pyrene	19.42	202	816724	9.212	ng/ul	98
82) Benzo(a)anthracene	21.19	228	261717	3.055	ng/ul	95
84) Chrysene	21.25	228	249043	3.133	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	149663	1.684	ng/ul	99
88) Benzo(k)fluoranthene	22.76	252	149663	1.763	ng/ul	99
90) Benzo(a)pyrene	23.32	252	124931	1.495	ng/ul	99

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



#17

Hexachloroethane

Concen: 2.895 ng/ul

RT: 8.68 min Scan# 968

Delta R.T. 0.02 min

Lab File: BN005364.D

Acq: 29 Apr 2019 22:36

Instrument :

BNA_N

ClientSampled :

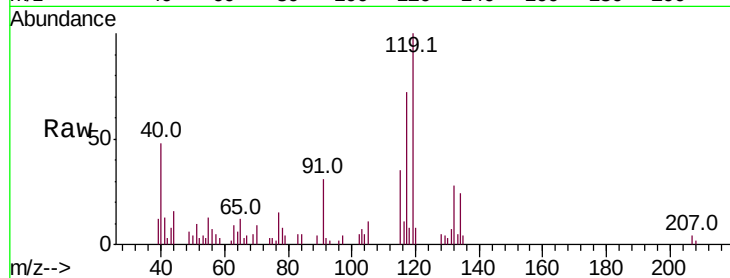
Tot Ion:117 Resp: 19030

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

199 0.0 51.2 76.8#

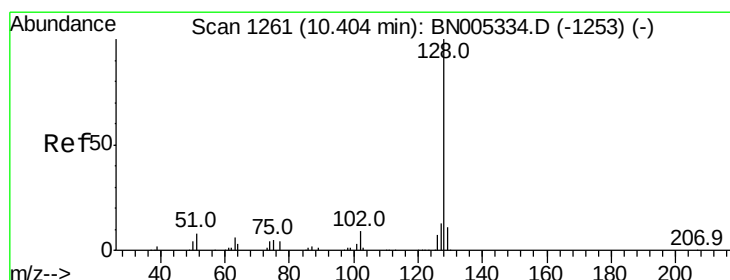
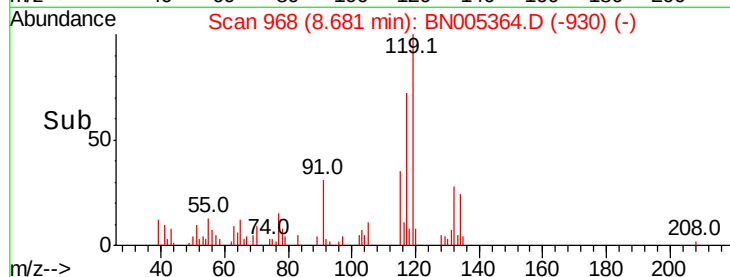
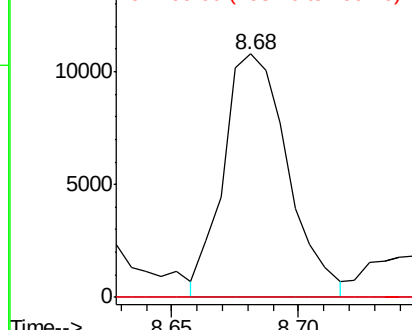


Abundance

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: 72.271 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BN005364.D

Acq: 29 Apr 2019 22:36

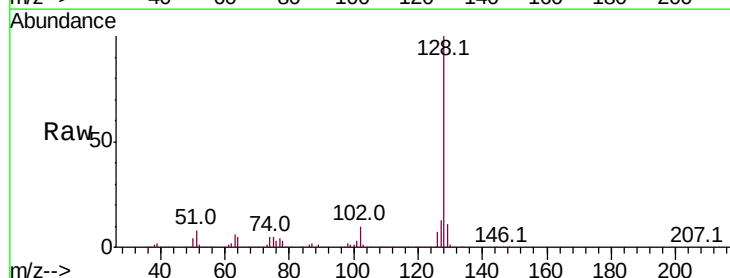
Tgt Ion:128 Resp: 3563906

Ion Ratio Lower Upper

128 100

129 10.9 9.2 13.8

127 13.0 10.7 16.1

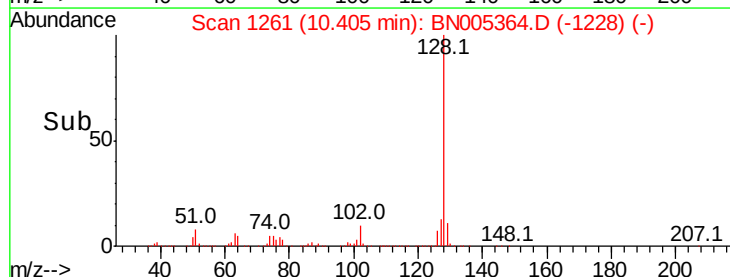
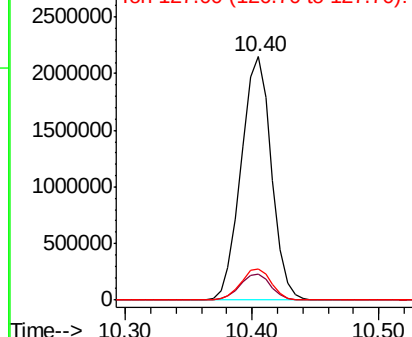


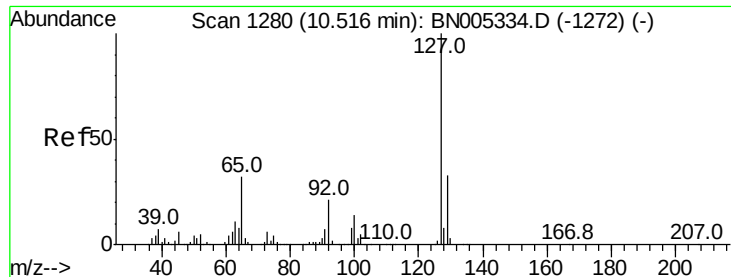
Abundance

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

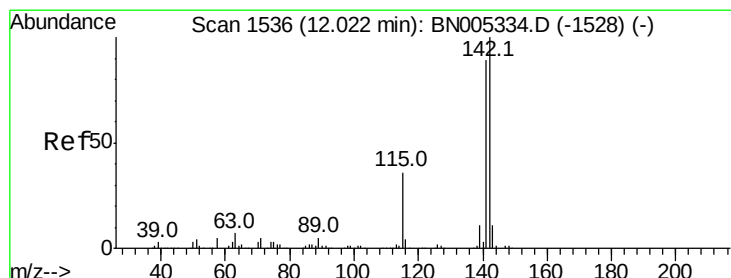
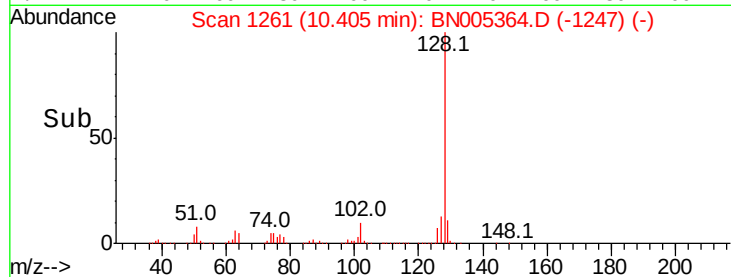
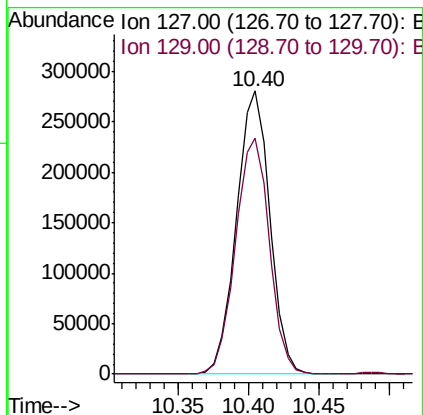
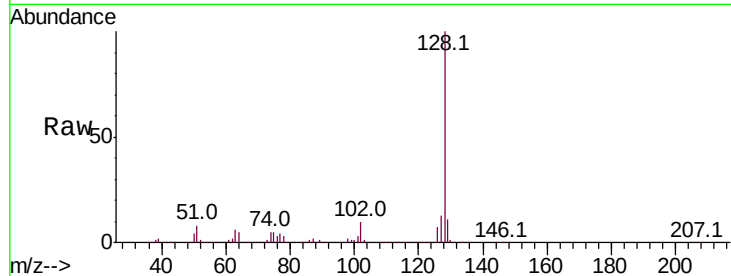




#30
 4-Chloroaniline
 Concen: 28.958 ng/ul
 RT: 10.40 min Scan# 1261
 Delta R.T. -0.12 min
 Lab File: BN005364.D
 Acq: 29 Apr 2019 22:36

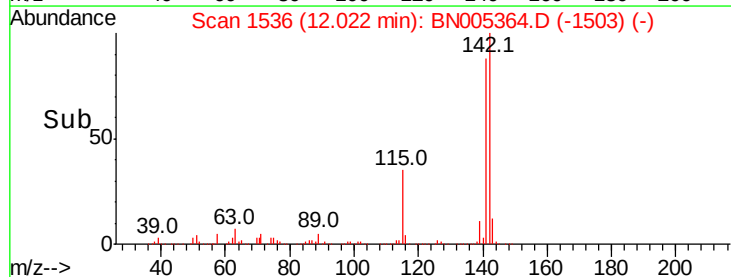
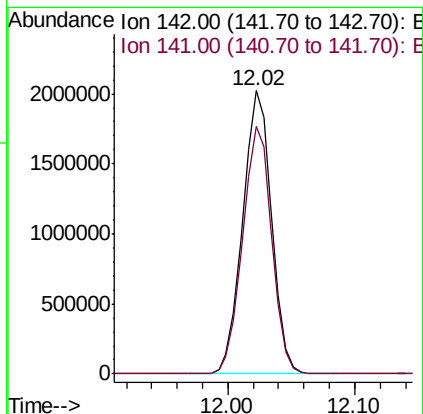
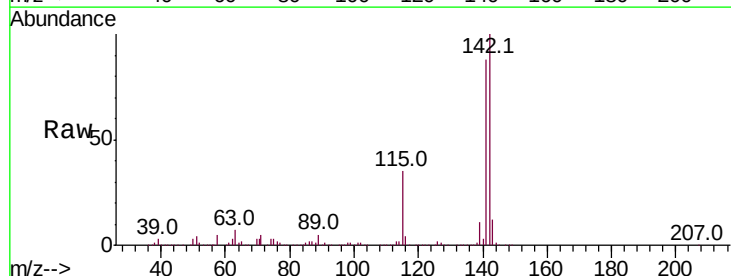
Instrument :
 BNA_N
 ClientSampleId :

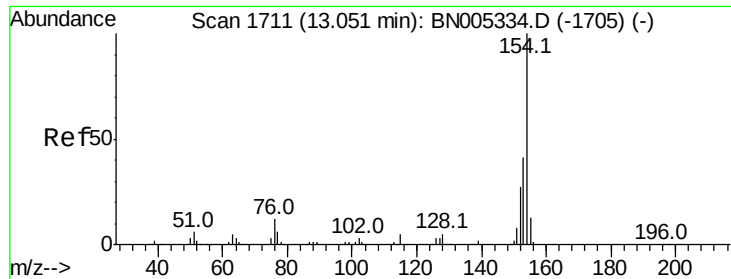
Tot Ion:127 Resp: 461494
 Ion Ratio Lower Upper
 127 100
 129 83.4 25.8 38.6#



#34
 2-Methylnaphthalene
 Concen: 88.772 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BN005364.D
 Acq: 29 Apr 2019 22:36

Tgt Ion:142 Resp: 3205336
 Ion Ratio Lower Upper
 142 100
 141 87.6 72.0 108.0





#40

1,1'-Biphenyl

Concen: 4.500 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BN005364.D

Acq: 29 Apr 2019 22:36

Instrument :

BNA_N

ClientSampleId :

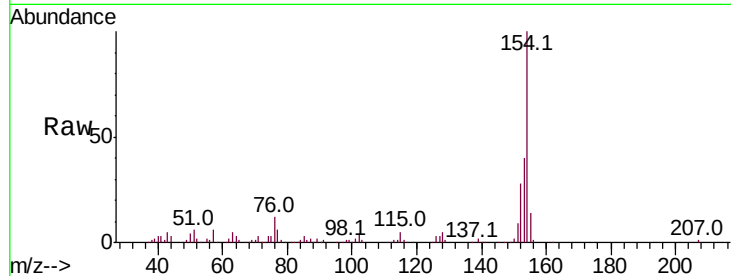
Tot Ion:154 Resp: 210409

Ion Ratio Lower Upper

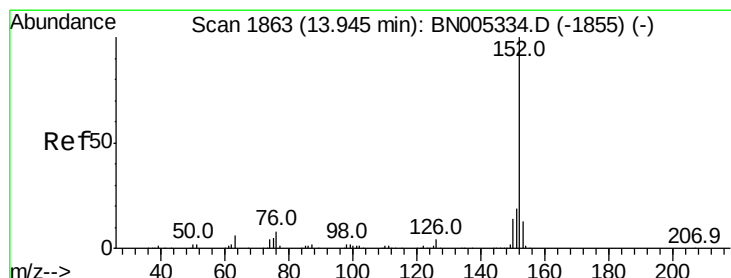
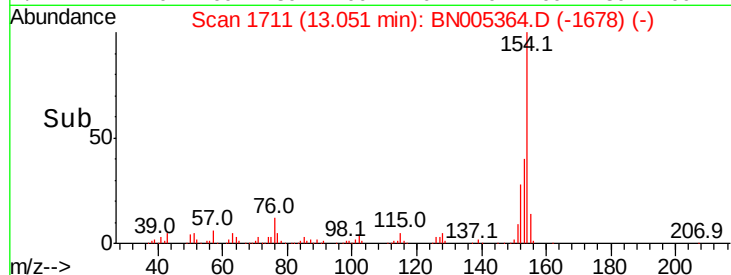
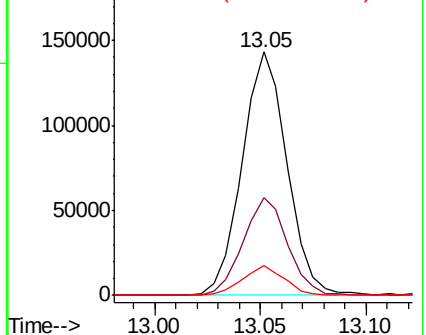
154 100

153 40.1 32.6 49.0

76 12.4 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: 15.786 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN005364.D

Acq: 29 Apr 2019 22:36

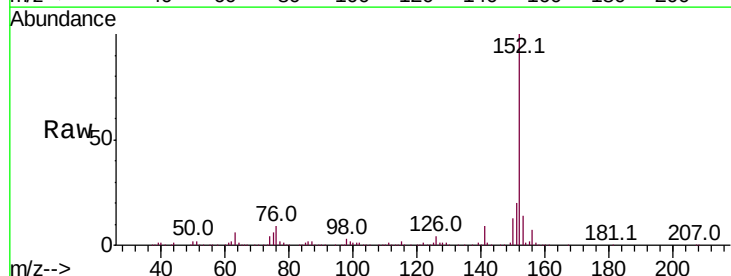
Tgt Ion:152 Resp: 867963

Ion Ratio Lower Upper

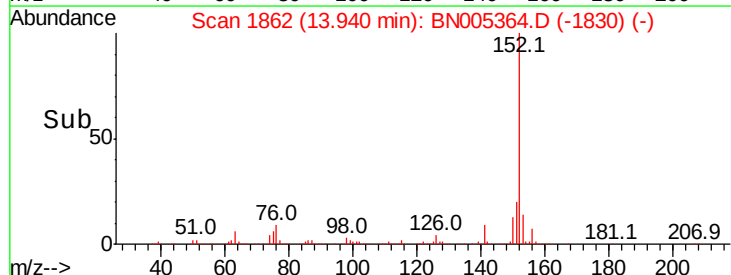
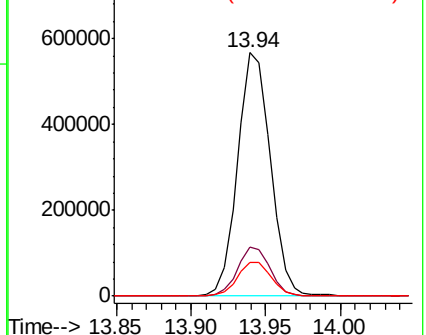
152 100

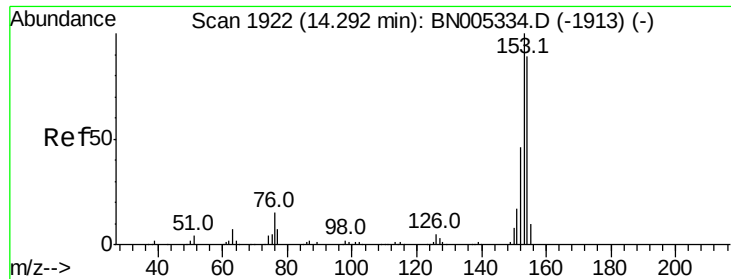
151 20.0 15.8 23.8

153 13.9 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: 2.214 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005364.D

Acq: 29 Apr 2019 22:36

Instrument :

BNA_N

ClientSampleId :

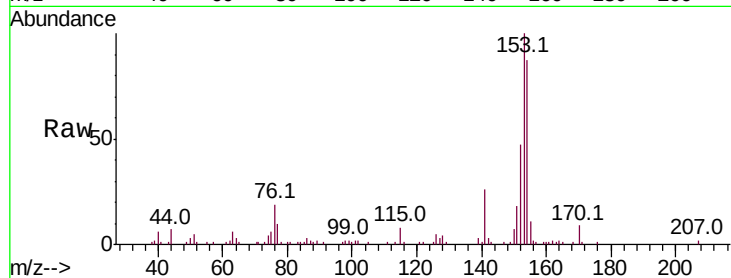
Tot Ion:153 Resp: 83101

Ion Ratio Lower Upper

153 100

152 46.6 37.4 56.0

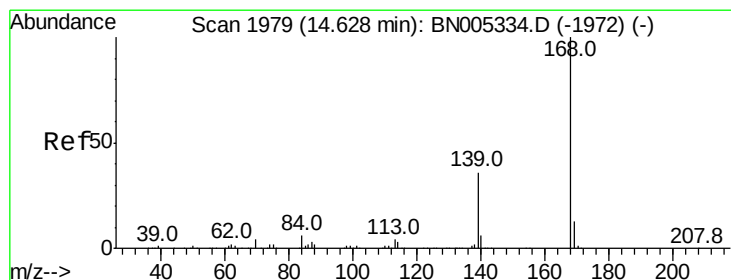
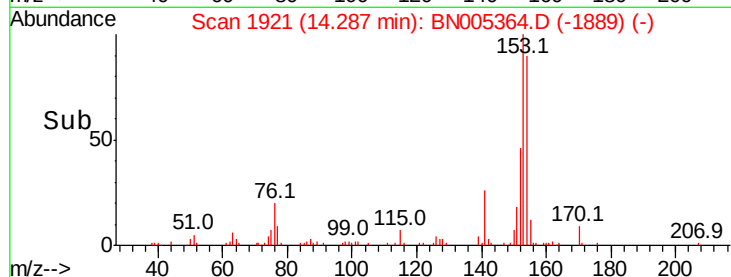
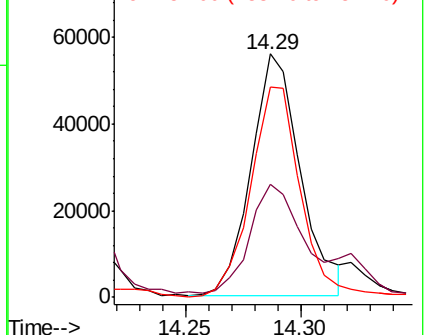
154 86.5 71.2 106.8



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: 1.655 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005364.D

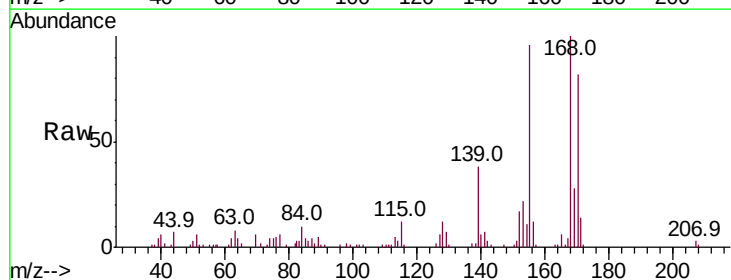
Acq: 29 Apr 2019 22:36

Tgt Ion:168 Resp: 89421

Ion Ratio Lower Upper

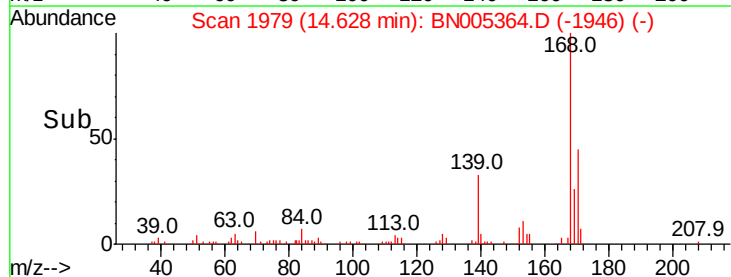
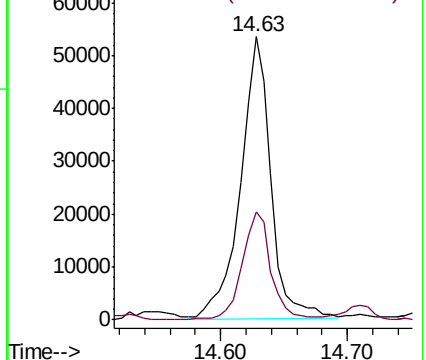
168 100

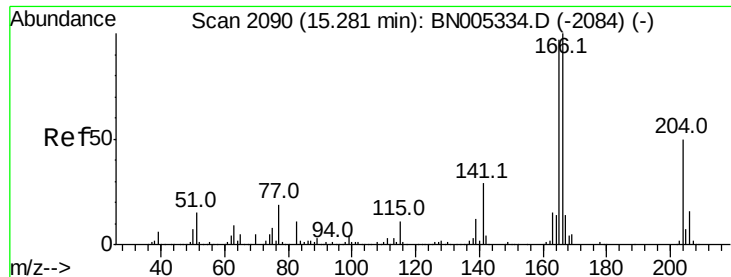
139 38.1 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

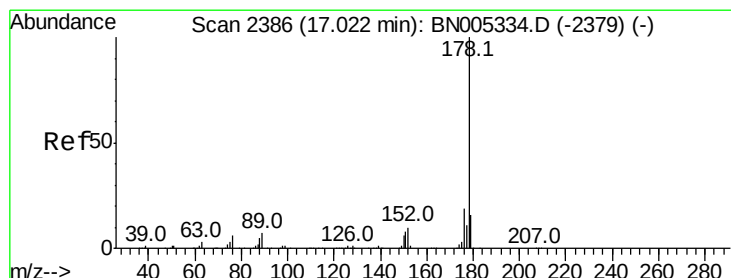
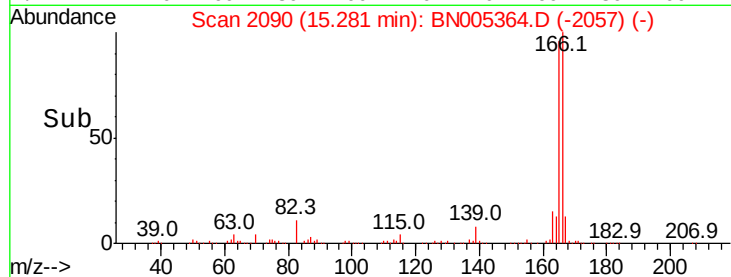
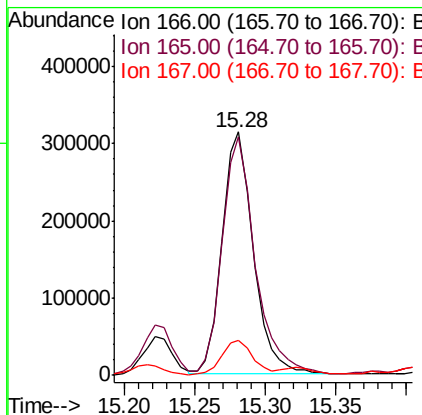
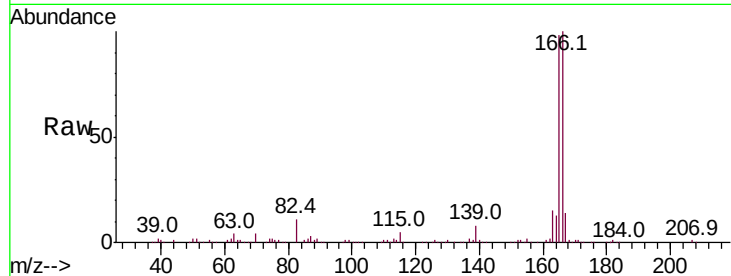




#58
 Fluorene
 Concen: 11.520 ng/ul
 RT: 15.28 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BN005364.D
 Acq: 29 Apr 2019 22:36

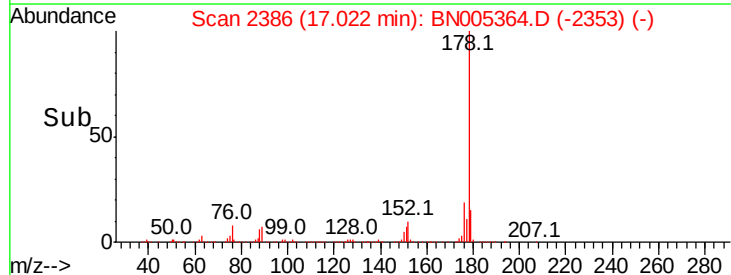
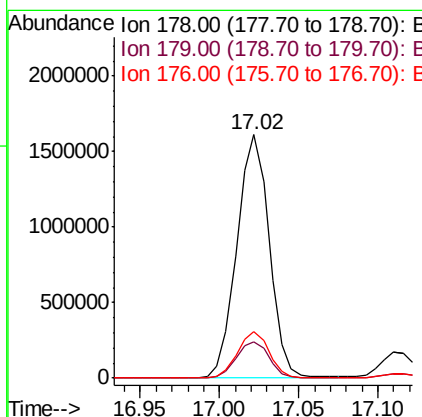
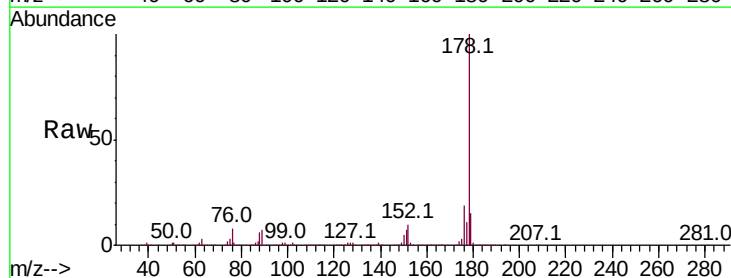
Instrument :
 BNA_N
 ClientSampleId :

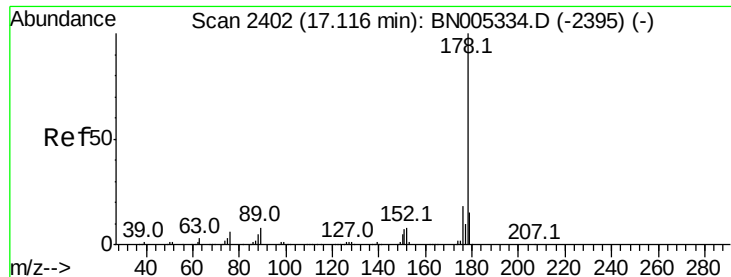
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	80.0	120.0
167	14.2	10.7	16.1



#69
 Phenanthrene
 Concen: 33.991 ng/ul
 RT: 17.02 min Scan# 2386
 Delta R.T. -0.01 min
 Lab File: BN005364.D
 Acq: 29 Apr 2019 22:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.2	18.4
176	18.9	15.1	22.7

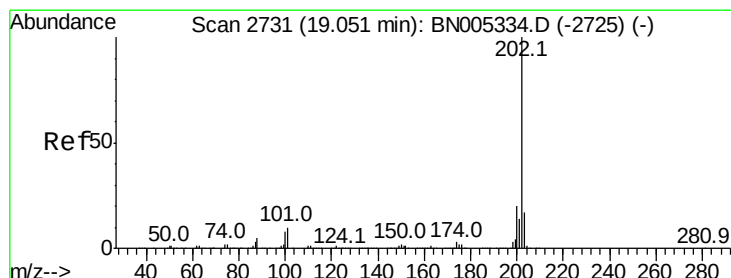
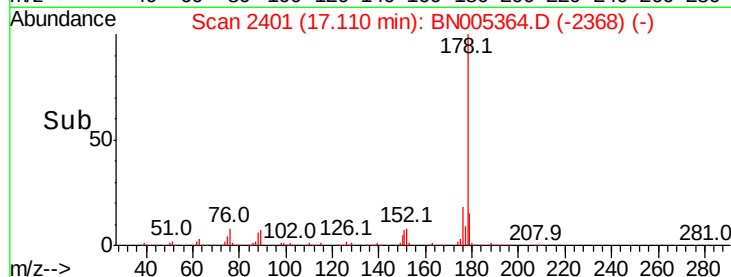
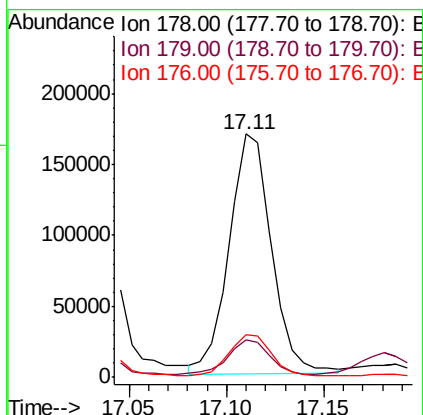
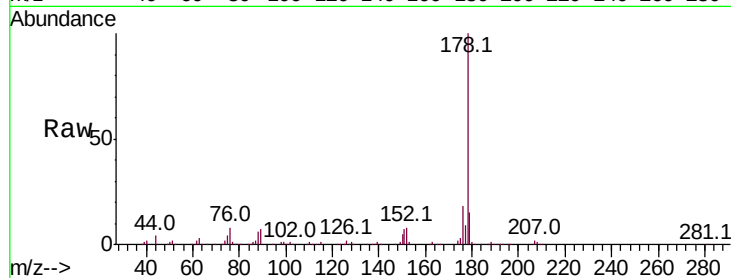




#71
 Anthracene
 Concen: 3.726 ng/ul
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN005364.D
 Acq: 29 Apr 2019 22:36

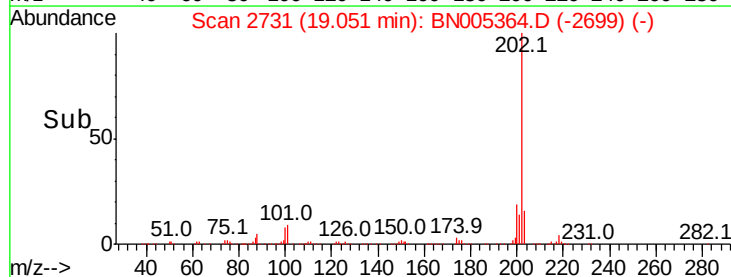
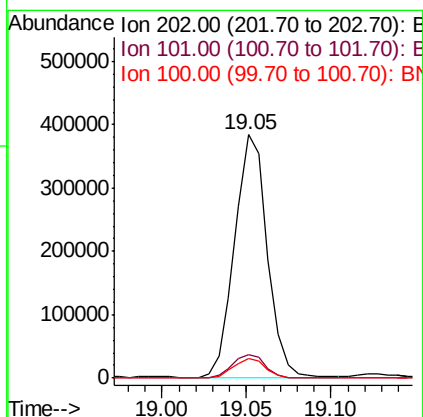
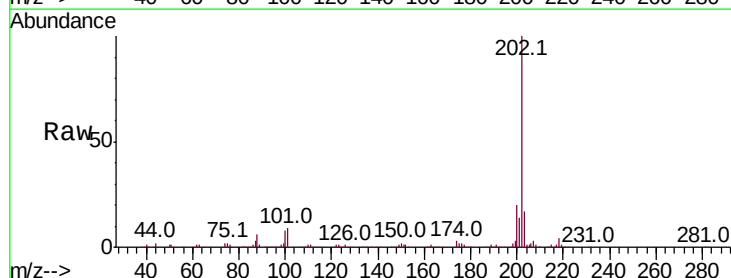
Instrument :
 BNA_N
 ClientSampleId :

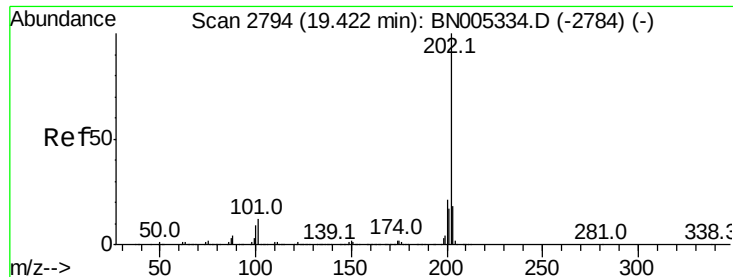
Tot Ion:178 Resp: 254939
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.3 18.5
 176 17.7 15.1 22.7



#76
 Fluoranthene
 Concen: 6.937 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: BN005364.D
 Acq: 29 Apr 2019 22:36

Tgt Ion:202 Resp: 516747
 Ion Ratio Lower Upper
 202 100
 101 9.4 8.6 12.8
 100 8.2 6.3 9.5





#79

Pvrene

Concen: 9.212 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BN005364.D

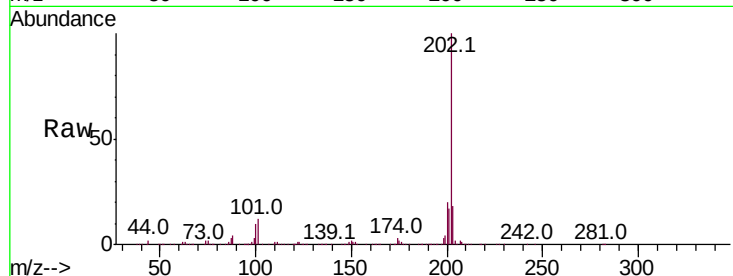
Acq: 29 Apr 2019 22:36

Instrument :

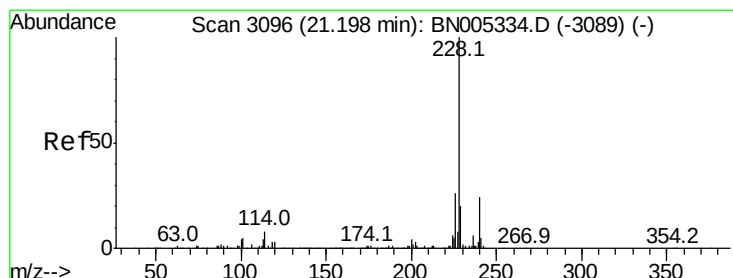
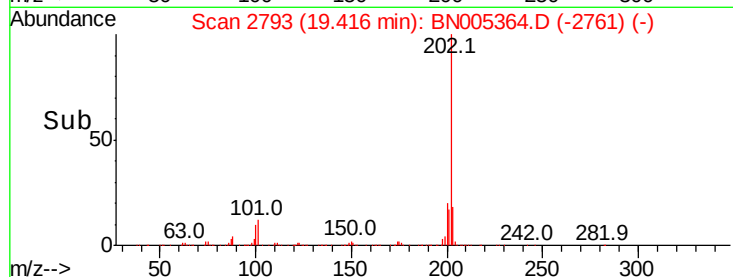
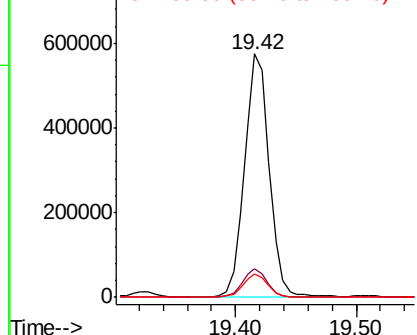
BNA_N

ClientSampleId :

Tot Ion:	202	Resp:	816724
Ion	Ratio	Lower	Upper
202	100		
101	11.5	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: 3.055 ng/ul

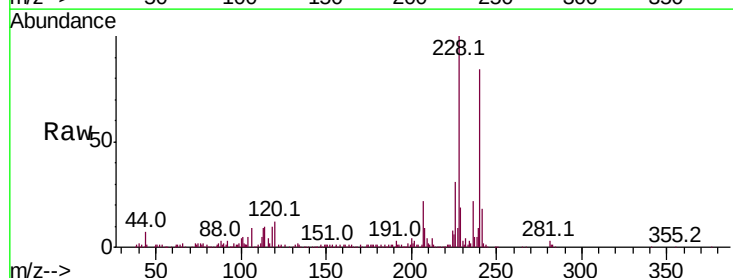
RT: 21.19 min Scan# 3095

Delta R.T. -0.02 min

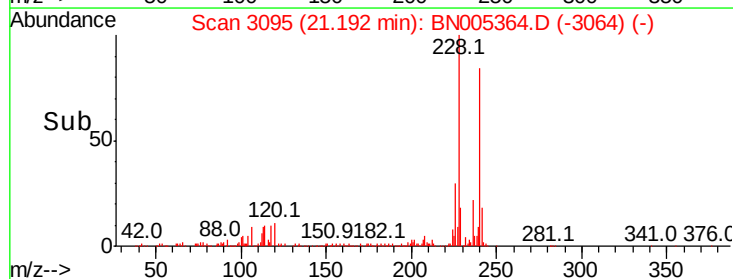
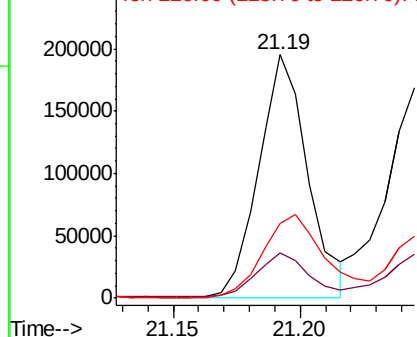
Lab File: BN005364.D

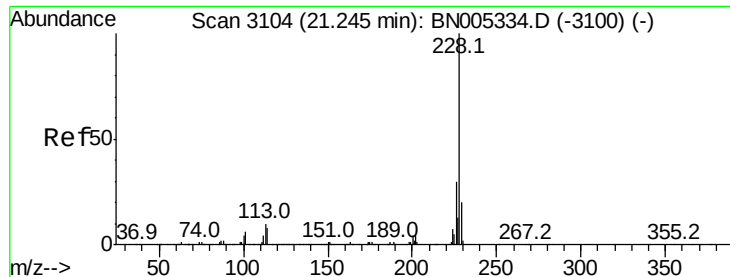
Acq: 29 Apr 2019 22:36

Tgt Ion:	228	Resp:	261717
Ion	Ratio	Lower	Upper
228	100		
229	18.6	15.8	23.6
226	30.5	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

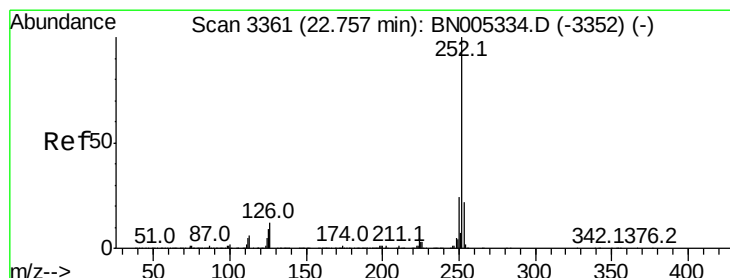
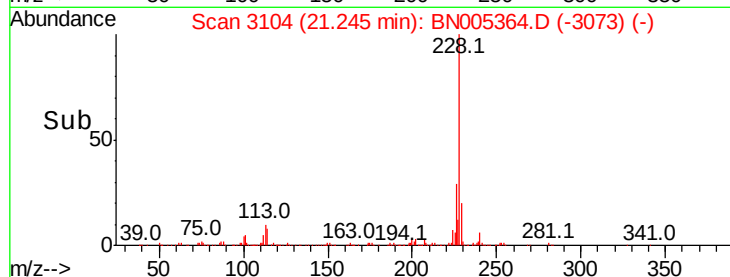
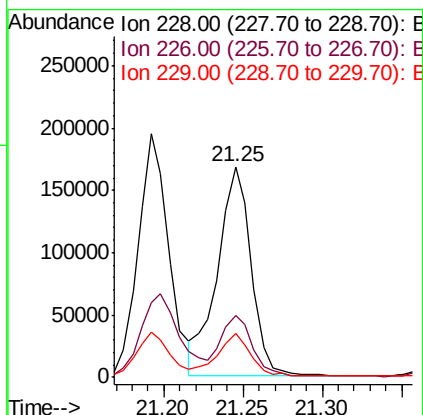
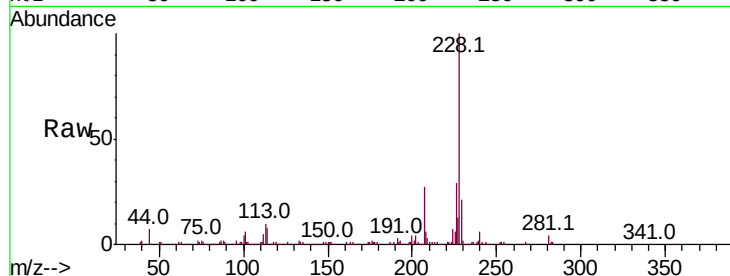




#84
Chrysene
Concen: 3.133 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. -0.02 min
Lab File: BN005364.D
Acq: 29 Apr 2019 22:36

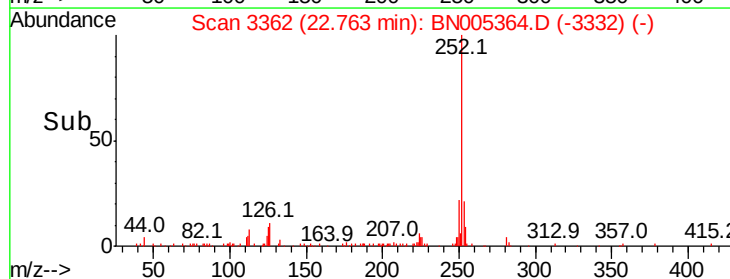
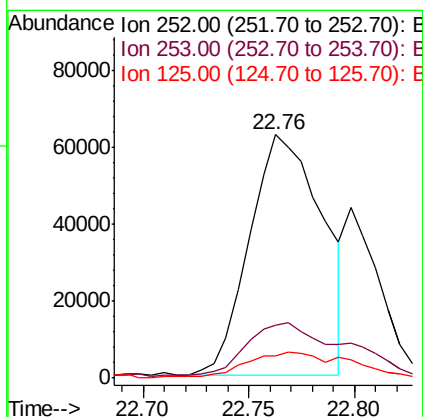
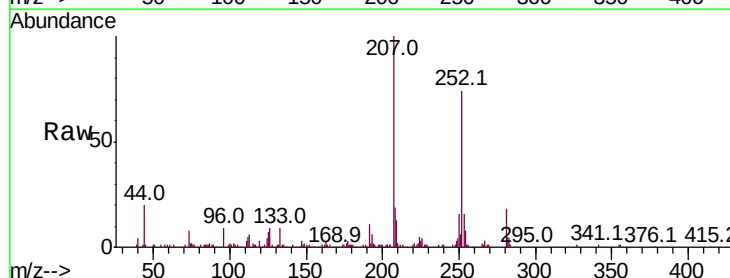
Instrument :
BNA_N
ClientSampleId :

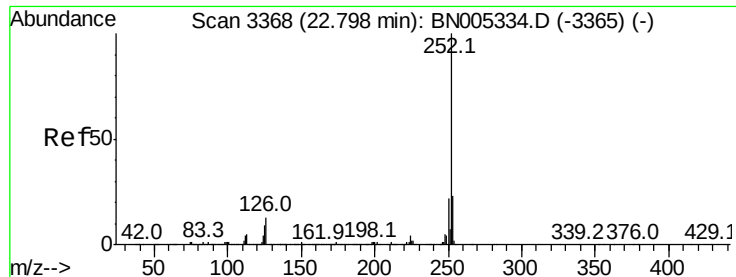
Tot Ion:228 Resp: 249043
Ion Ratio Lower Upper
228 100
226 29.2 24.0 36.0
229 20.6 15.4 23.0



#87
Benzo(b)fluoranthene
Concen: 1.684 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. -0.02 min
Lab File: BN005364.D
Acq: 29 Apr 2019 22:36

Tgt Ion:252 Resp: 149663
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 9.2 8.4 12.6

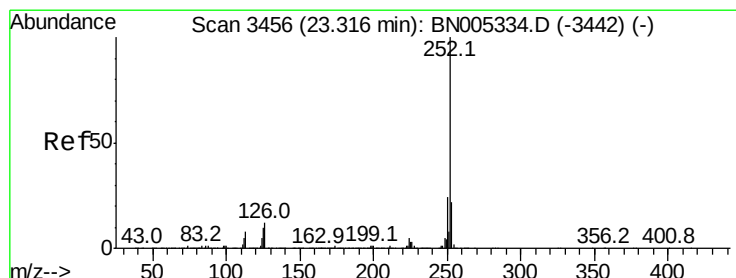
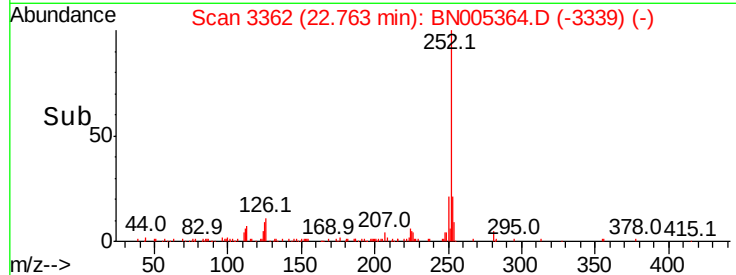
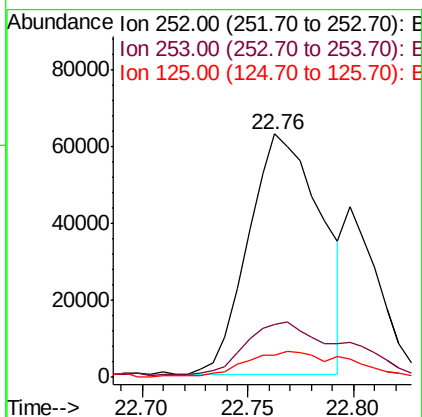
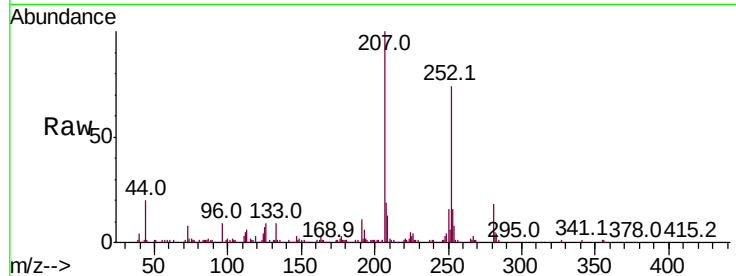




#88
Benzo(k)fluoranthene
Concen: 1.763 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. -0.06 min
Lab File: BN005364.D
Acq: 29 Apr 2019 22:36

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.2	7.5	11.3



#90
Benzo(a)pyrene
Concen: 1.495 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.03 min
Lab File: BN005364.D
Acq: 29 Apr 2019 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	10.3	8.6	13.0

