

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
 Data File : BN005304.D
 Acq On : 26 Apr 2019 05:19
 Operator : JU/SJ
 Sample : K2456-12 20X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 26 06:41:18 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	438613	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1795744	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1102961	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2536300	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2360687	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	2282520	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2027	0.22	ng/uL	0.00
5) Phenol-d5	6.78	99	43929	1.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	30055	1.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	35947	1.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	36291	1.35	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	16028	1.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	18509	1.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	37381	1.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	226681	8.56	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	132603	1.66	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	160949	1.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	30241	2.39	ng/ul	0.00
57) Fluorene-d10	15.23	176	121020	1.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	8531	0.75	ng/ul	-0.01
70) Anthracene-d10	17.08	188	187828	1.77	ng/ul	0.00
78) Pyrene-d10	19.40	212	206496	1.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	170280	1.71	ng/ul	-0.02

Target Compounds

					Ovalue
14) Acetophenone	8.39	105	45607	1.058	ng/ul# 36
17) Hexachloroethane	8.62	117	32762	2.768	ng/ul# 6
28) Naphthalene	10.40	128	284458	3.407	ng/ul# 95
34) 2-Methylnaphthalene	12.02	142	457851	7.490	ng/ul 100
40) 1,1'-Biphenyl	13.06	154	871886	10.609	ng/ul 99
47) Acenaphthylene	13.95	152	2455549	25.409	ng/ul# 97
49) Acenaphthene	14.29	153	606187	9.188	ng/ul 98
53) Dibenzofuran	14.63	168	2114014	22.255	ng/ul 99
54) 2,4-Dinitrotoluene	14.60	165	33352	1.679	ng/ul# 73
58) Fluorene	15.29	166	3266552	44.070	ng/ul 98
64) N-Nitrosodiphenylamine	15.50	169	170471	2.456	ng/ul# 75
69) Phenanthrene	17.03	178	4238397	34.313	ng/ul 99
71) Anthracene	17.12	178	4334637	34.448	ng/ul 99
76) Fluoranthene	19.06	202	8104132	59.150	ng/ul 98
79) Pyrene	19.43	202	7725322	50.825	ng/ul 99
82) Benzo(a)anthracene	21.20	228	3619026	24.643	ng/ul 95
84) Chrysene	21.26	228	2952038	21.659	ng/ul 97
87) Benzo(b)fluoranthene	22.77	252	2433441	18.966	ng/ul 99
88) Benzo(k)fluoranthene	22.77	252	2433441	19.858	ng/ul 98
90) Benzo(a)pyrene	23.33	252	1955236	16.212	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.60	276	773185	5.799	ng/ul 95
92) Dibenzo(a,h)anthracene	25.61	278	238746	2.110	ng/ul# 91
93) Benzo(g,h,i)perylene	26.26	276	604047	5.479	ng/ul 97

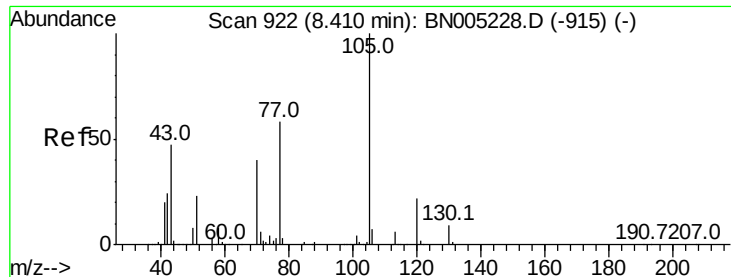
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005304.D
Acq On : 26 Apr 2019 05:19
Operator : JU/SJ
Sample : K2456-12 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Apr 26 06:41:18 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)
--------------------	------	------	----------	------	-------	----------

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



#14

Acetophenone

Concen: 1.058 ng/ul

RT: 8.39 min Scan# 918

Delta R.T. -0.02 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampleId :

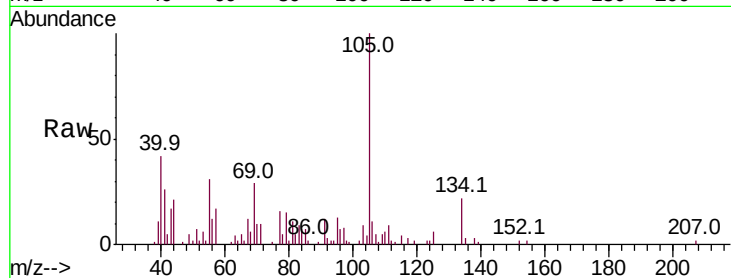
Tot Ion:105 Resp: 45607

Ion Ratio Lower Upper

105 100

77 15.7 63.4 95.0#

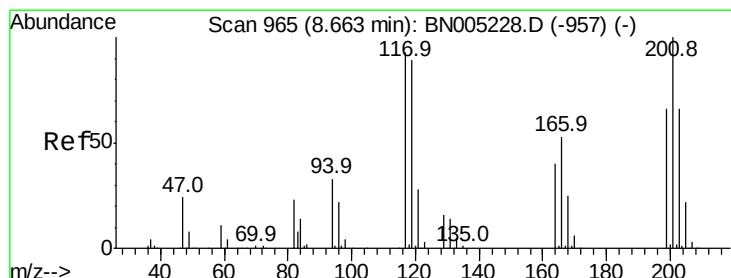
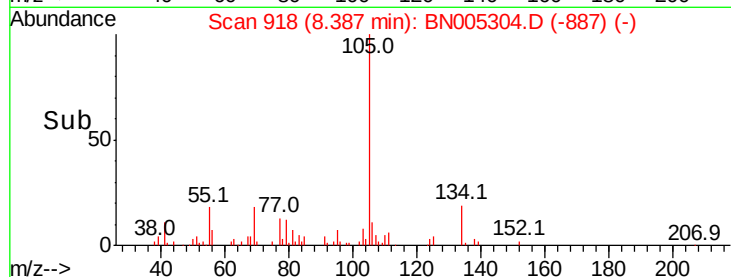
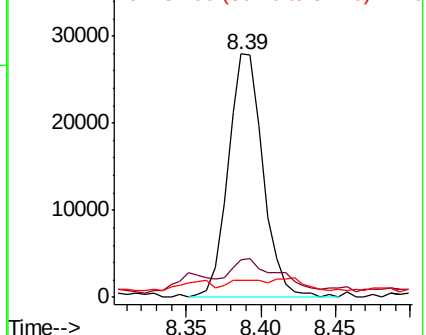
51 6.8 24.2 36.4#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#17

Hexachloroethane

Concen: 2.768 ng/ul

RT: 8.62 min Scan# 957

Delta R.T. -0.04 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

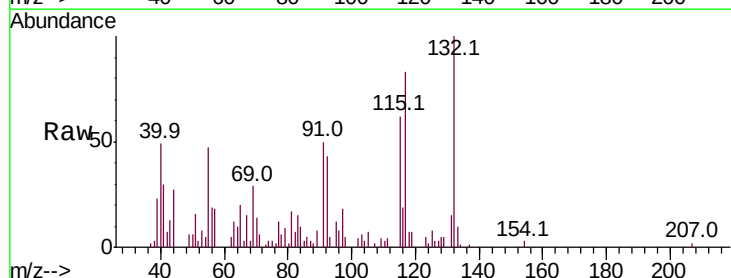
Tgt Ion:117 Resp: 32762

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

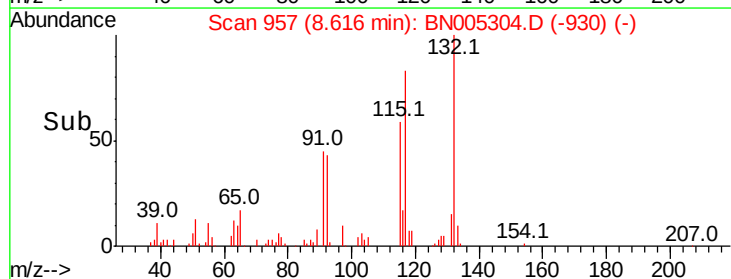
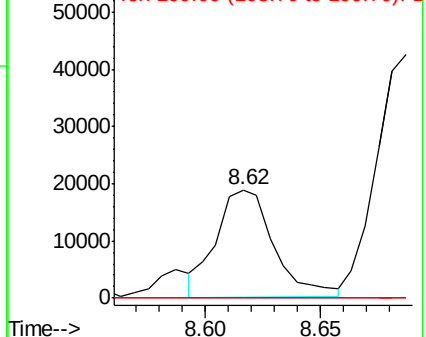
199 0.0 51.2 76.8#

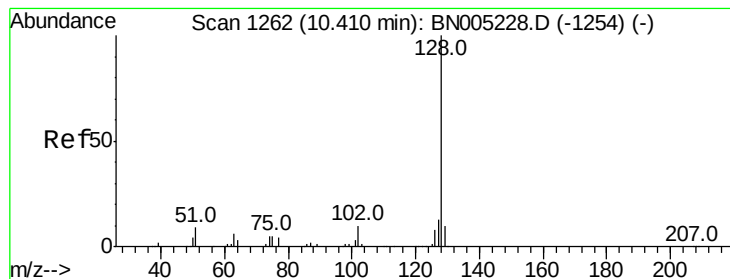


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 3.407 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampleId :

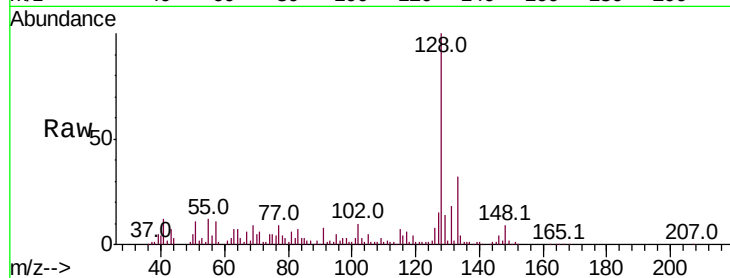
Tot Ion:128 Resp: 284458

Ion Ratio Lower Upper

128 100

129 14.5 9.2 13.8#

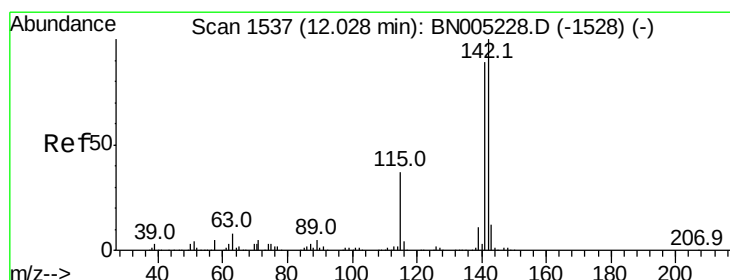
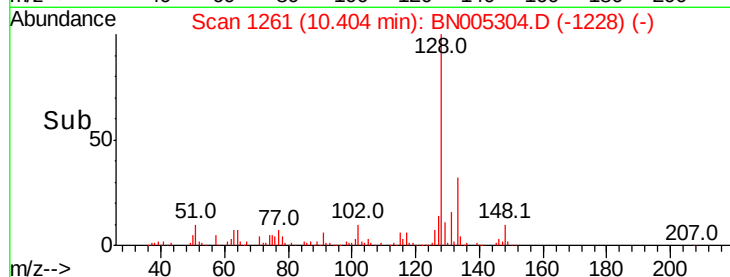
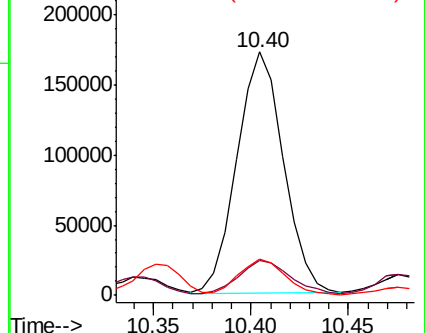
127 14.6 10.7 16.1



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: 7.490 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BN005304.D

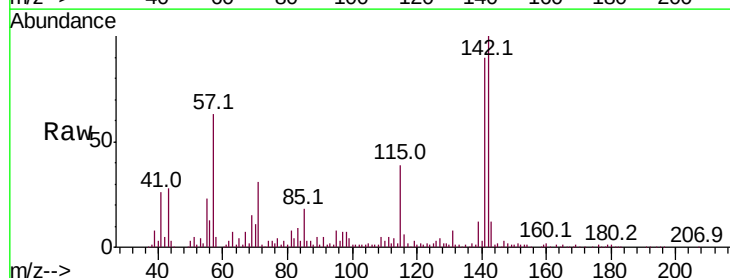
Acq: 26 Apr 2019 05:19

Tgt Ion:142 Resp: 457851

Ion Ratio Lower Upper

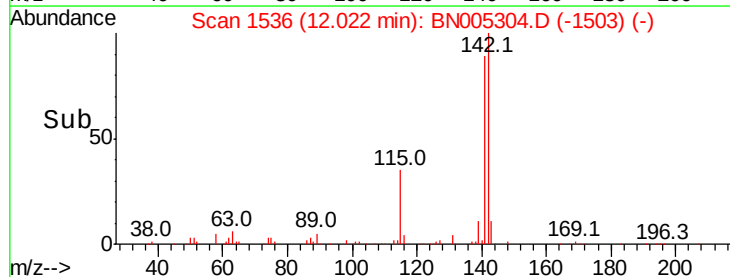
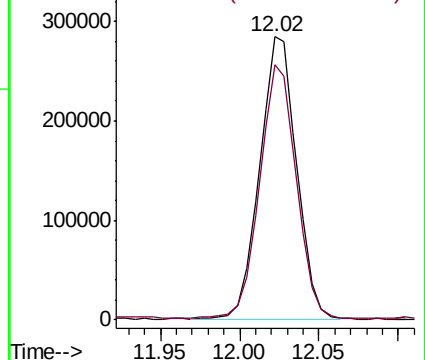
142 100

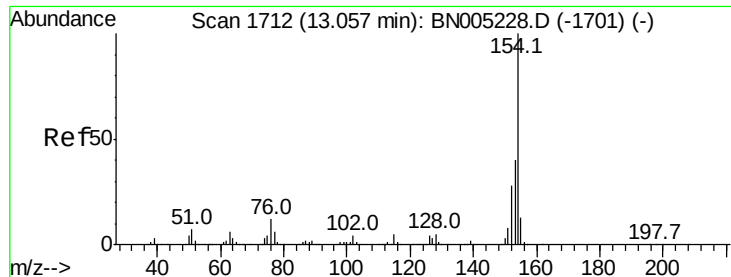
141 90.2 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 10.609 ng/ul

RT: 13.06 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampleId :

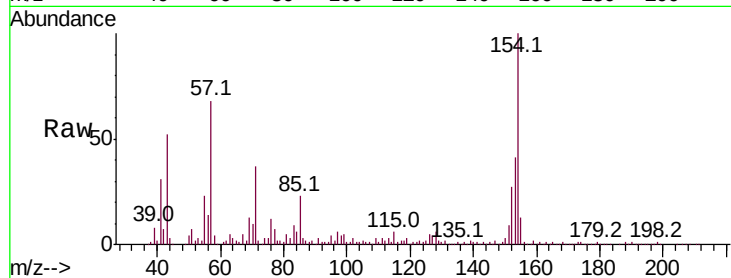
Tot Ion:154 Resp: 871886

Ion Ratio Lower Upper

154 100

153 40.6 32.6 49.0

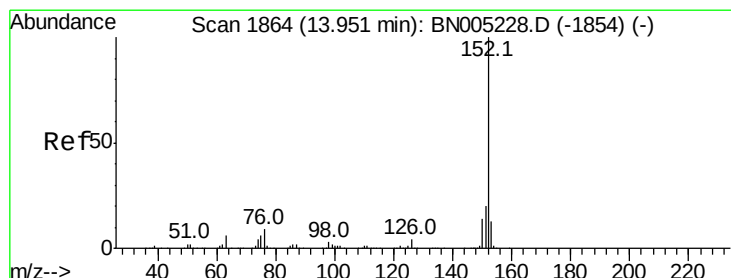
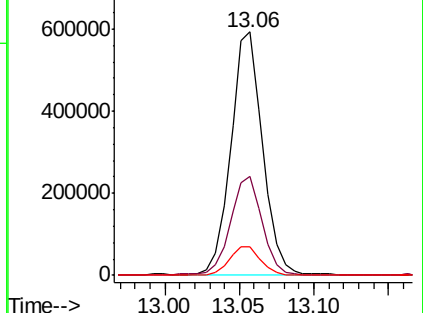
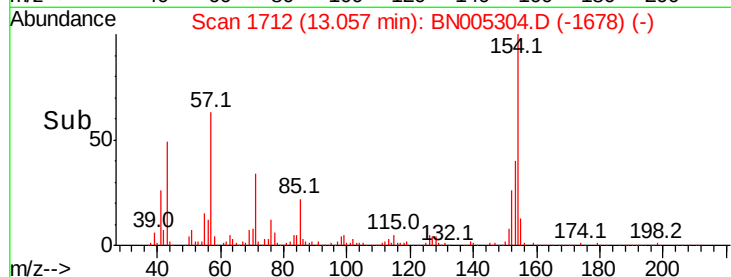
76 11.9 10.4 15.6



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): BNO



#47

Acenaphthylene

Concen: 25.409 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

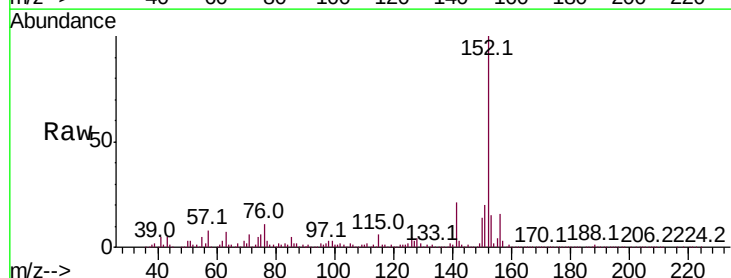
Tgt Ion:152 Resp: 2455549

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

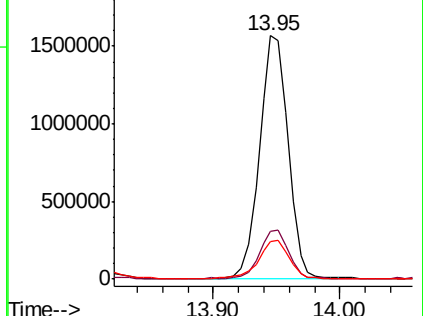
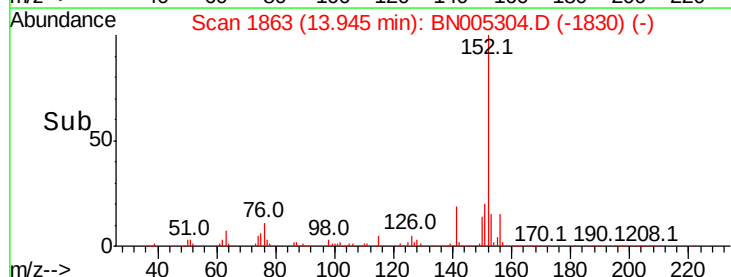
153 15.5 9.8 14.8#

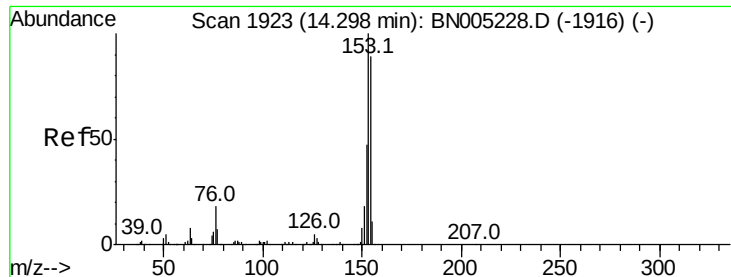


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 9.188 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampled :

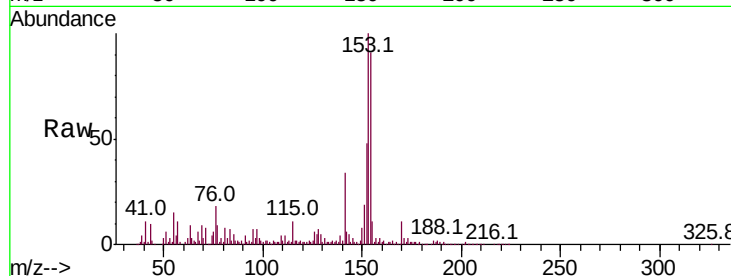
Tot Ion:153 Resp: 606187

Ion Ratio Lower Upper

153 100

152 48.2 37.4 56.0

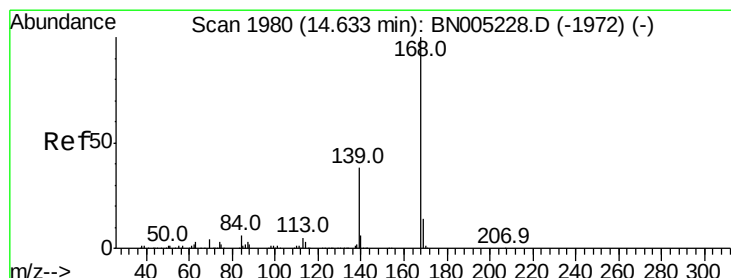
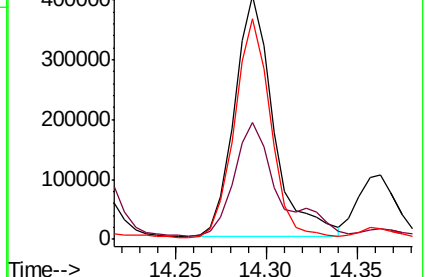
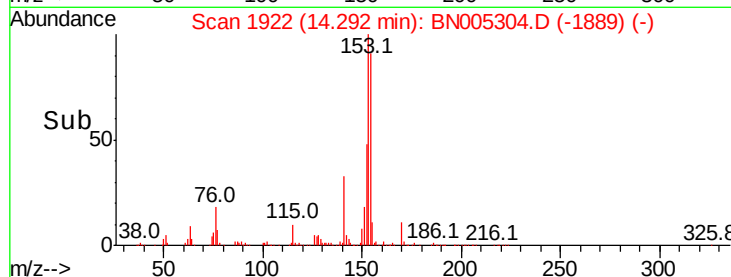
154 90.8 71.2 106.8



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: 22.255 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BN005304.D

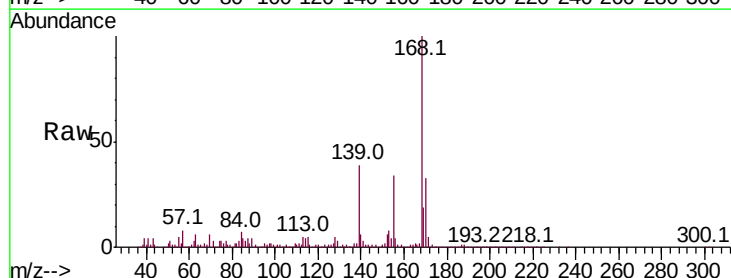
Acq: 26 Apr 2019 05:19

Tgt Ion:168 Resp: 2114014

Ion Ratio Lower Upper

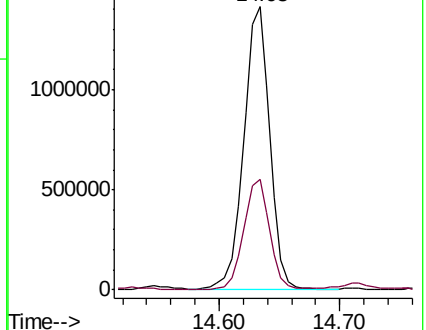
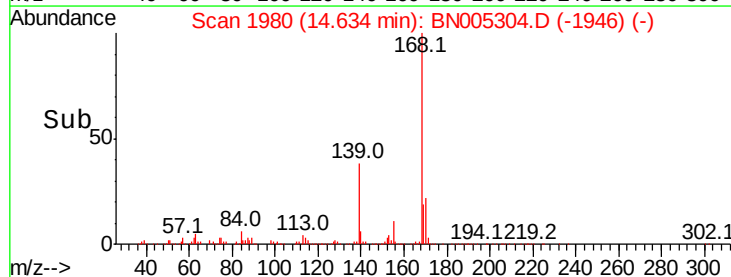
168 100

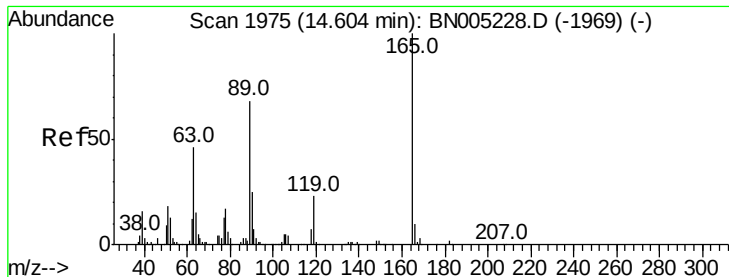
139 39.2 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 1.679 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampled :

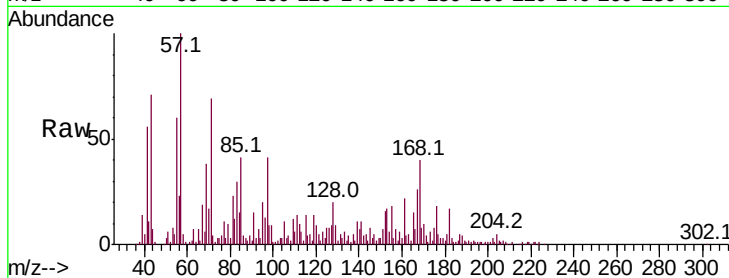
Tot Ion:165 Resp: 33352

Ion Ratio Lower Upper

165 100

63 43.6 38.9 58.3

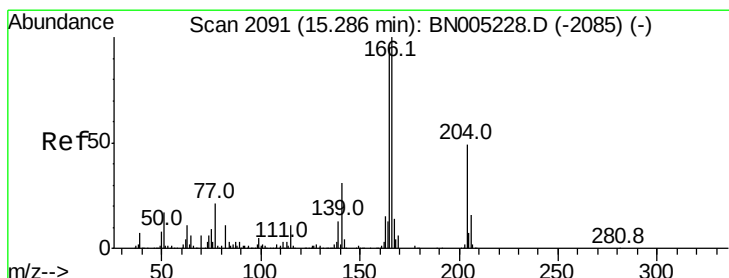
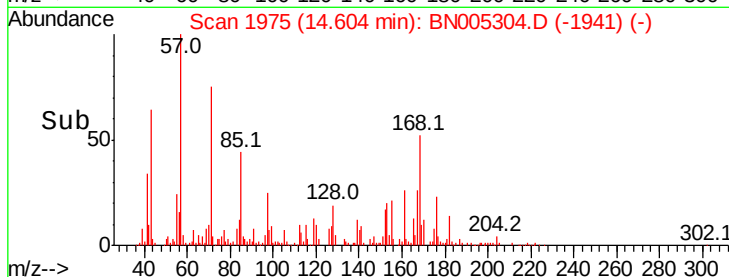
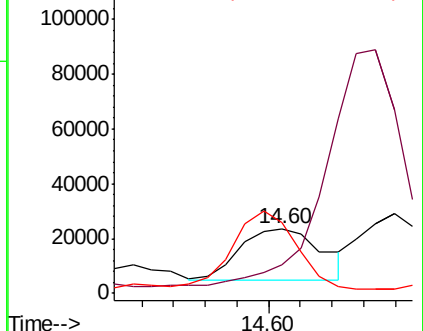
182 109.8 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 44.070 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

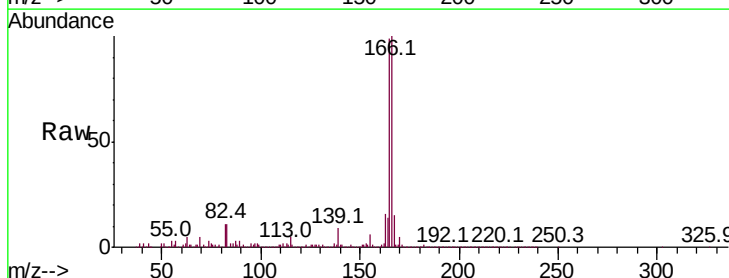
Tgt Ion:166 Resp: 3266552

Ion Ratio Lower Upper

166 100

165 98.8 80.0 120.0

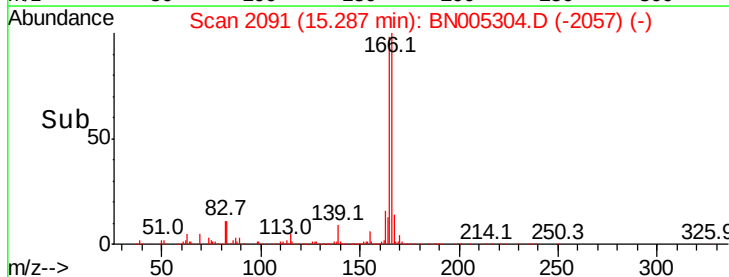
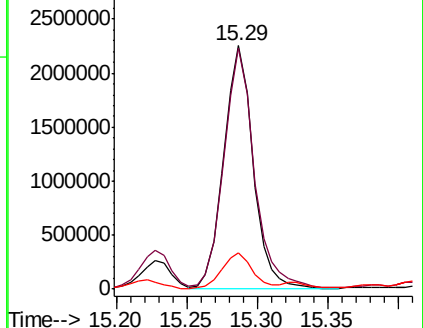
167 15.0 10.7 16.1

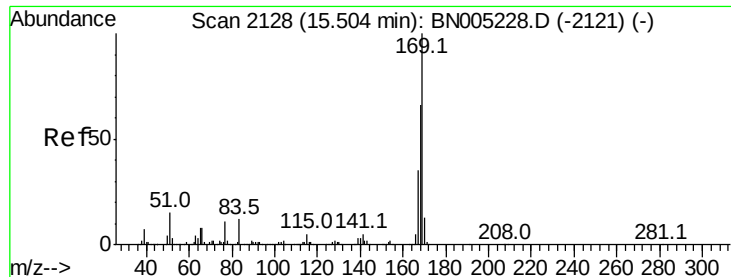


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 2.456 ng/ul

RT: 15.50 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampleId :

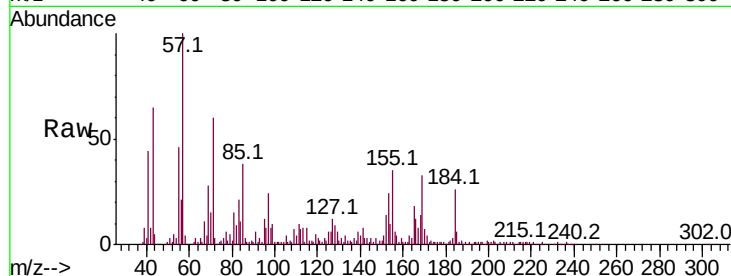
Tot Ion:169 Resp: 170471

Ion Ratio Lower Upper

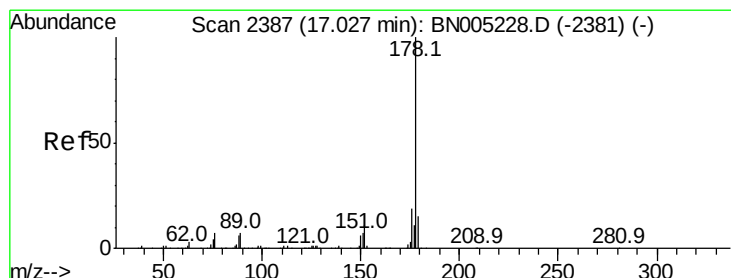
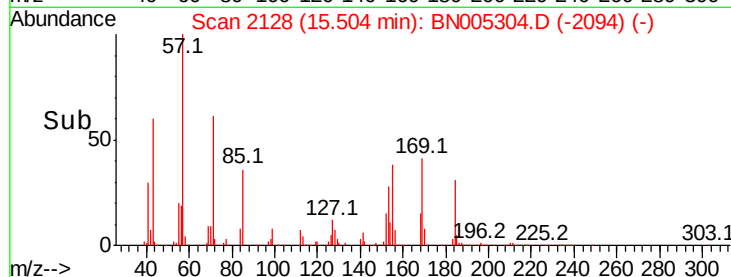
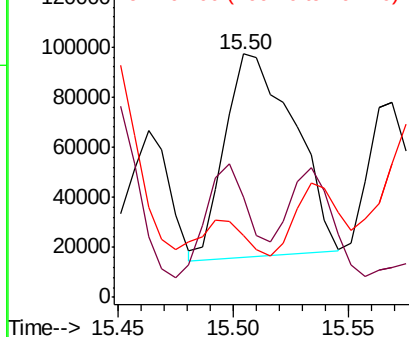
169 100

168 41.3 52.2 78.2#

167 25.6 27.7 41.5#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 34.313 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

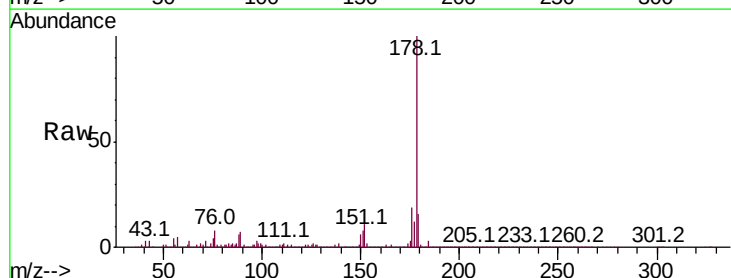
Tgt Ion:178 Resp: 4238397

Ion Ratio Lower Upper

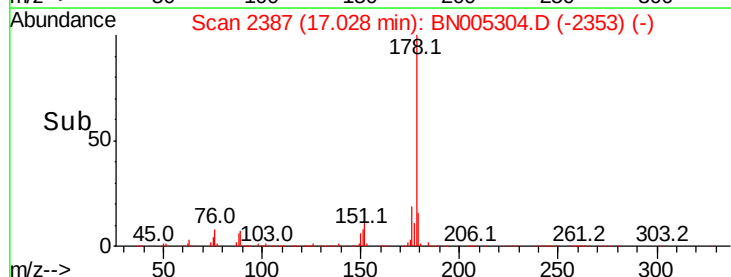
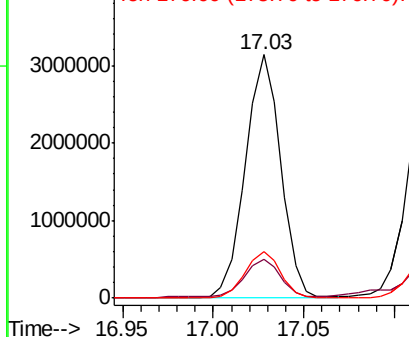
178 100

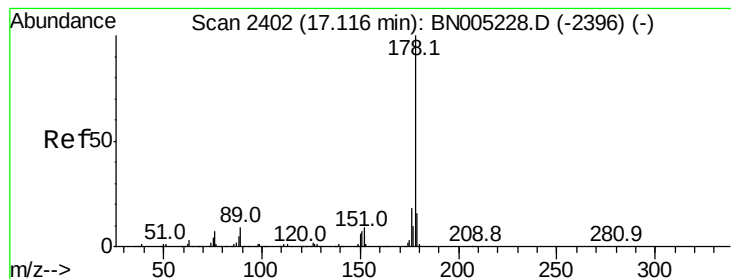
179 15.9 12.2 18.4

176 19.3 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: 34.448 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

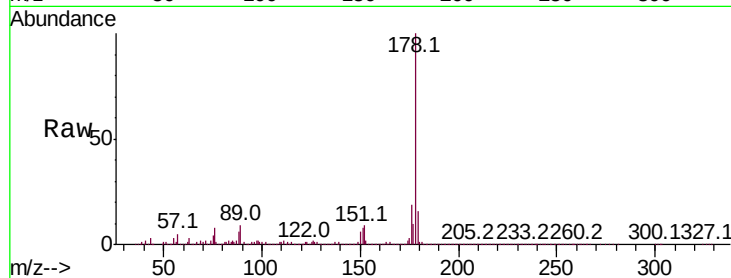
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 4334637

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	18.6	15.1	22.7

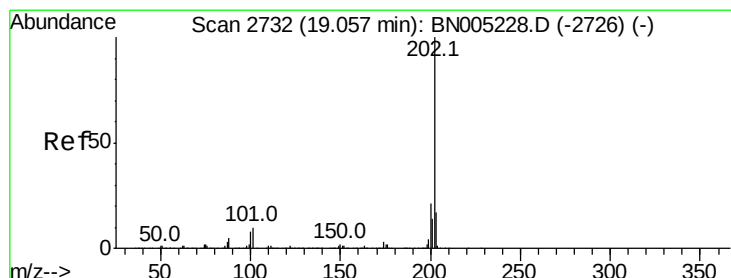
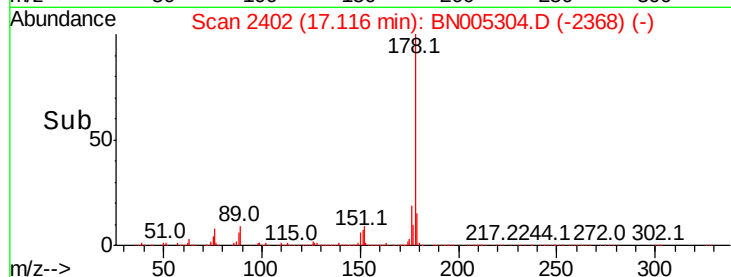
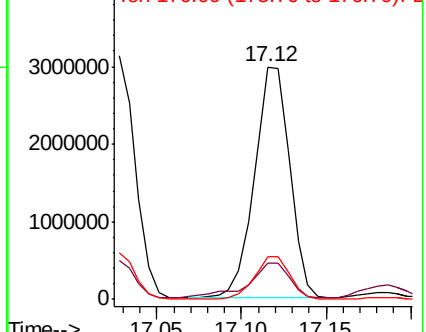


Abundance

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: 59.150 ng/ul

RT: 19.06 min Scan# 2733

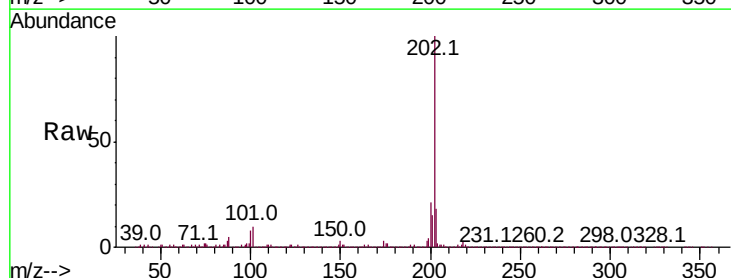
Delta R.T. 0.00 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Tgt Ion:202 Resp: 8104132

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.6	12.8
100	7.5	6.3	9.5

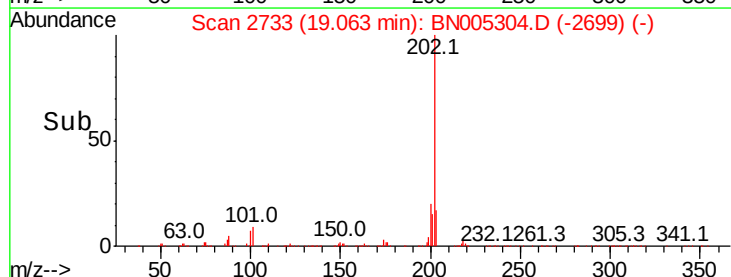
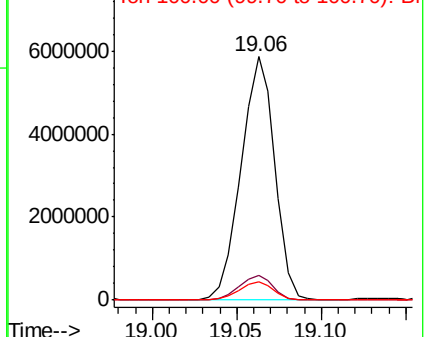


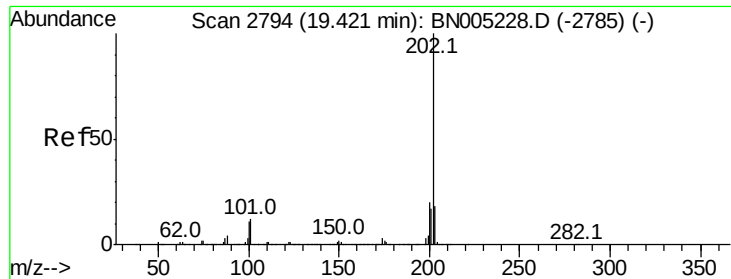
Abundance

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

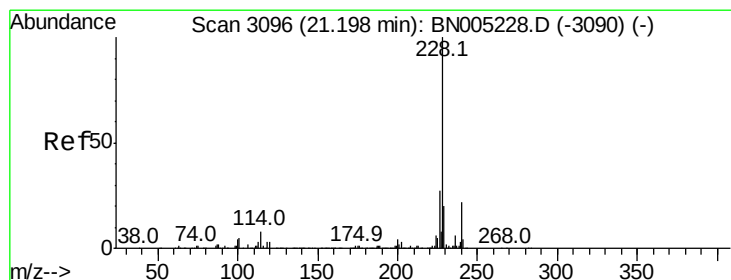
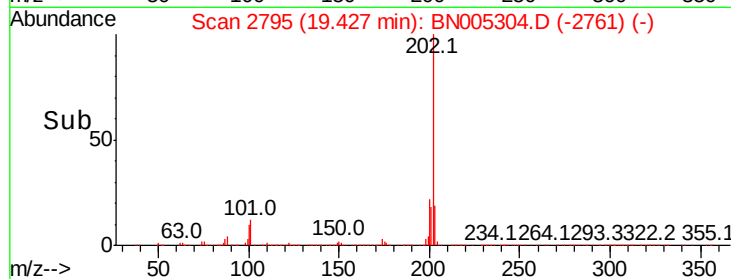
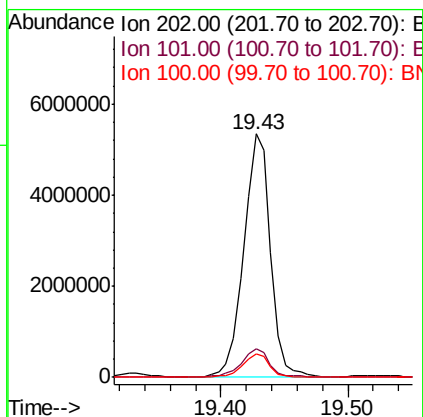
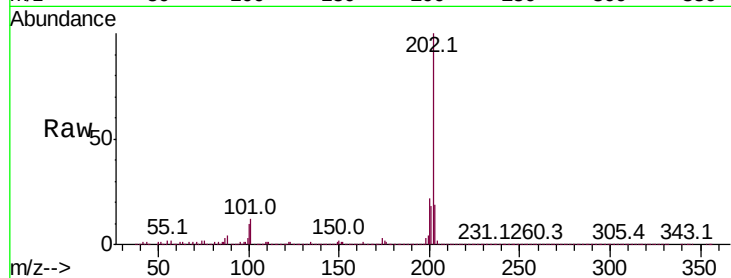




#79
Pvrene
Concen: 50.825 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

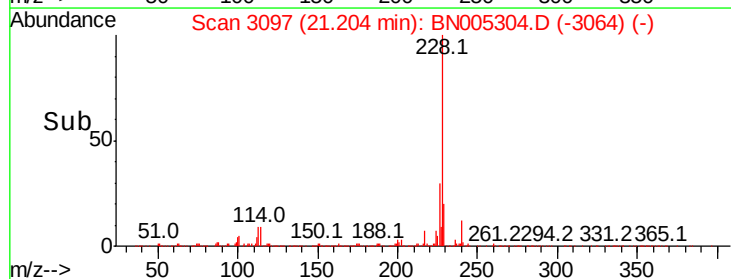
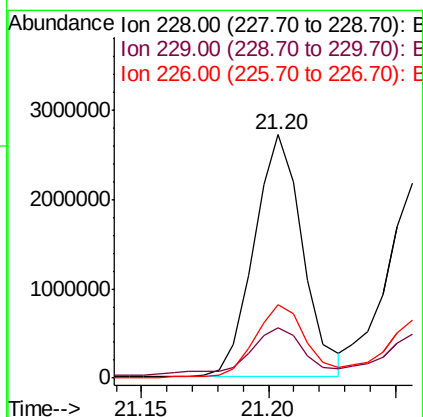
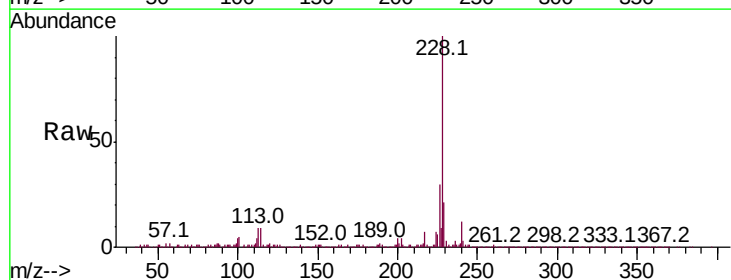
Instrument :
BNA_N
ClientSampleId :

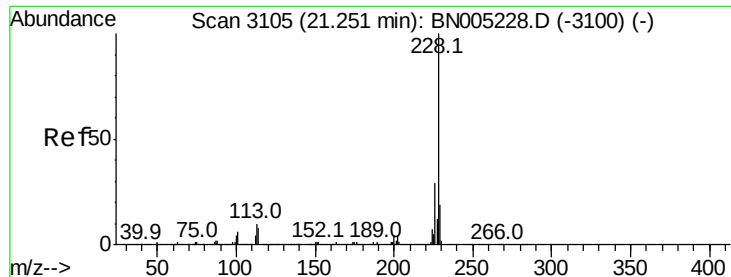
Tot Ion:202 Resp: 7725322
Ion Ratio Lower Upper
202 100
101 11.9 10.3 15.5
100 9.9 7.9 11.9



#82
Benzo(a)anthracene
Concen: 24.643 ng/ul
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

Tgt Ion:228 Resp: 3619026
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 30.4 21.4 32.2





#84

Chrysene

Concen: 21.659 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampleId :

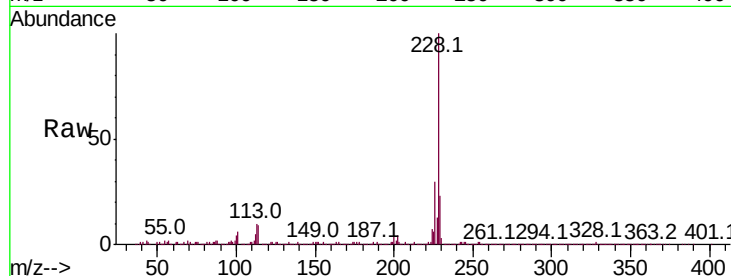
Tot Ion:228 Resp: 2952038

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

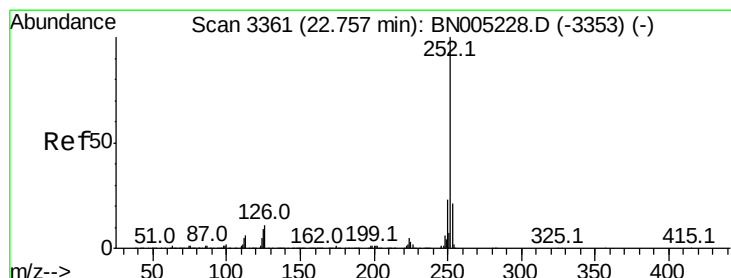
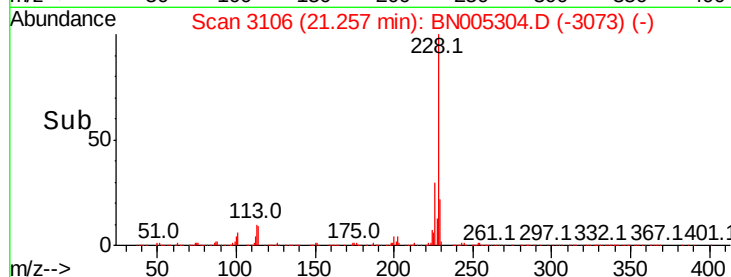
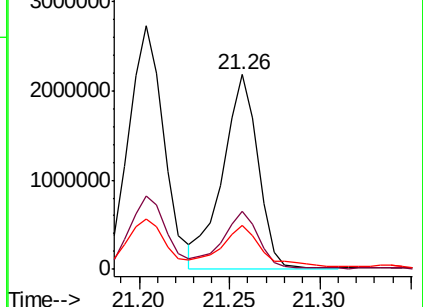
229 22.7 15.4 23.0



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: 18.966 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

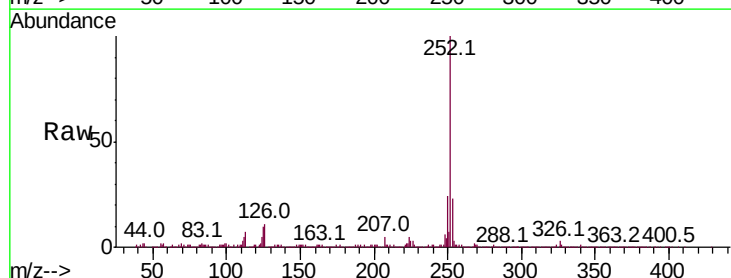
Tgt Ion:252 Resp: 2433441

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

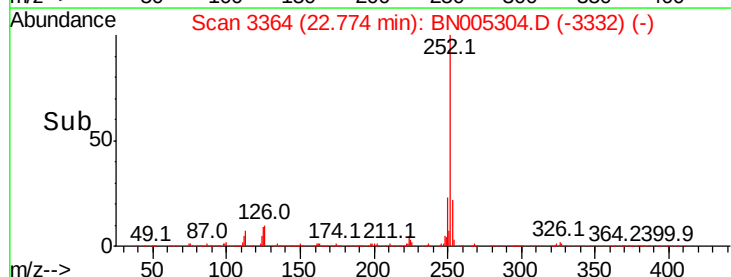
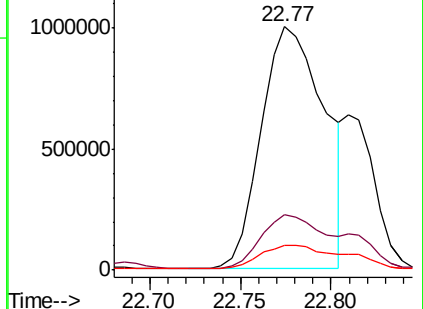
125 10.2 8.4 12.6

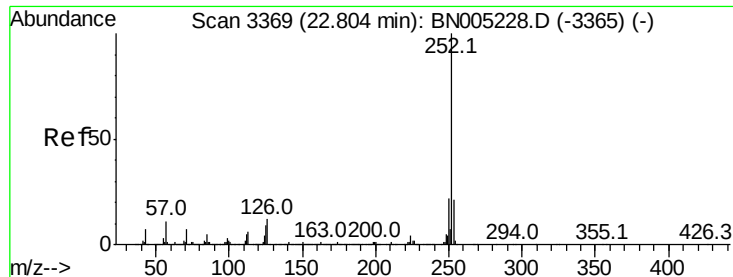


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

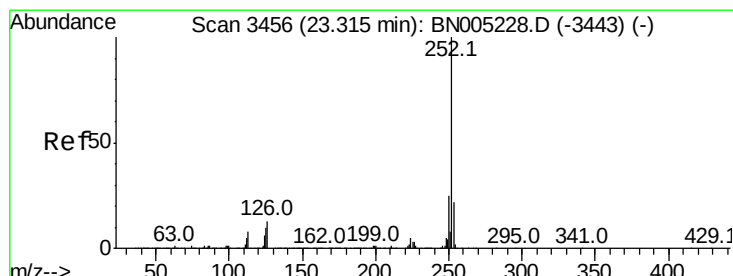
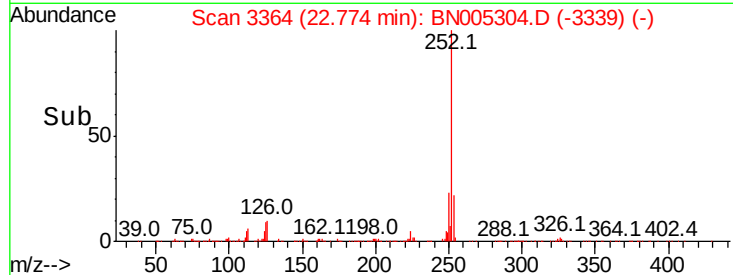
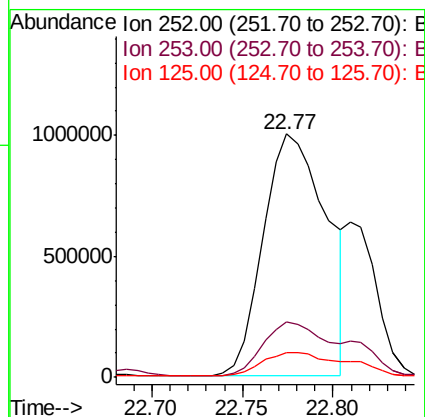
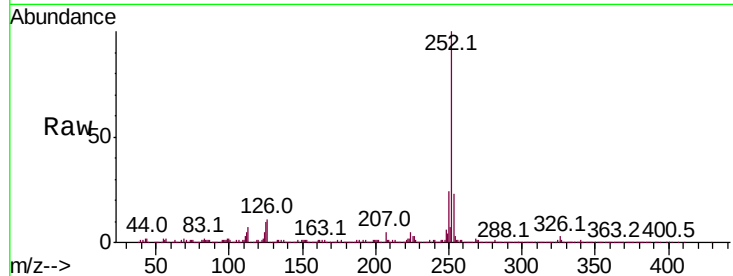




#88
Benzo(k)fluoranthene
Concen: 19.858 ng/ul
RT: 22.77 min Scan# 3364
Delta R.T. -0.05 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

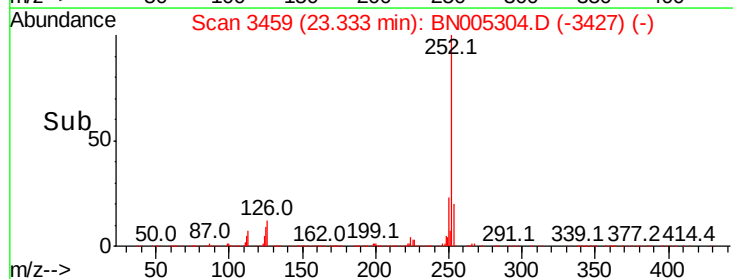
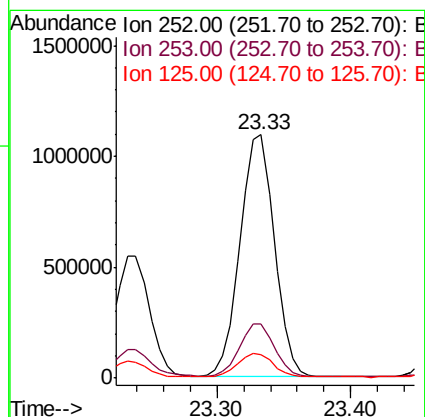
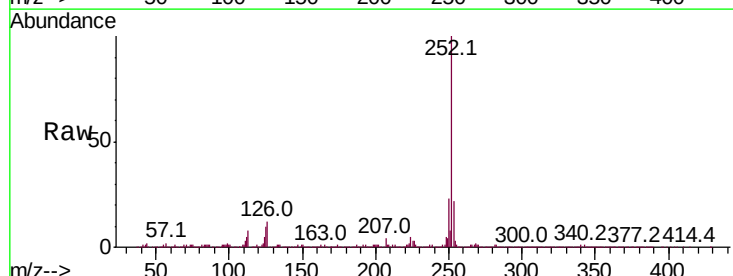
Instrument :
BNA_N
ClientSampleId :

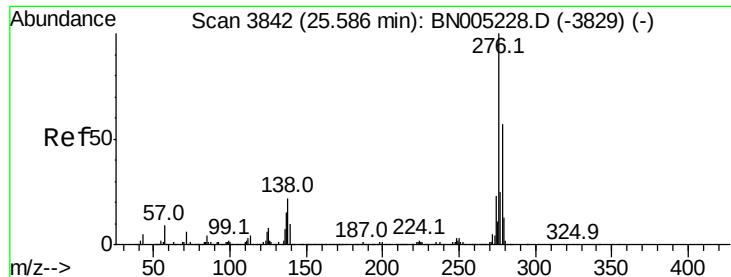
Tot Ion:252 Resp: 2433441
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 10.2 7.5 11.3



#90
Benzo(a)pyrene
Concen: 16.212 ng/ul
RT: 23.33 min Scan# 3459
Delta R.T. -0.01 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

Tgt Ion:252 Resp: 1955236
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 9.6 8.6 13.0



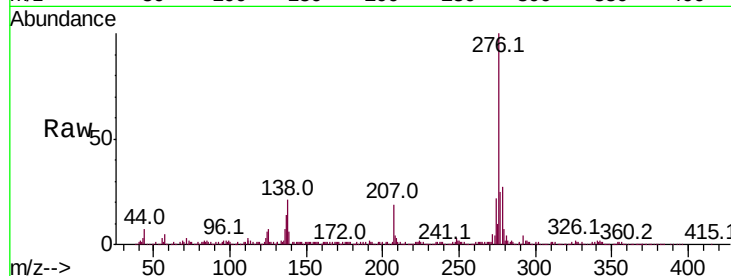


#91

Indeno(1,2,3-cd)pyrene
Concen: 5.799 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.02 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	17.9	26.9
277	25.0	19.7	29.5

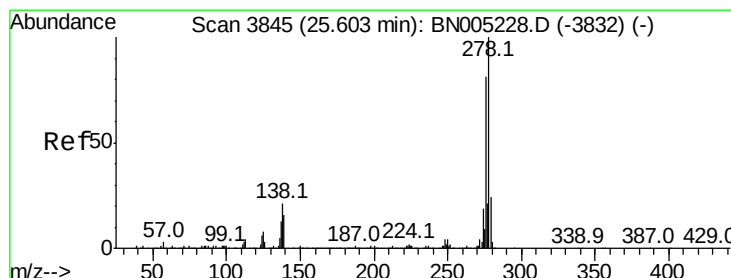
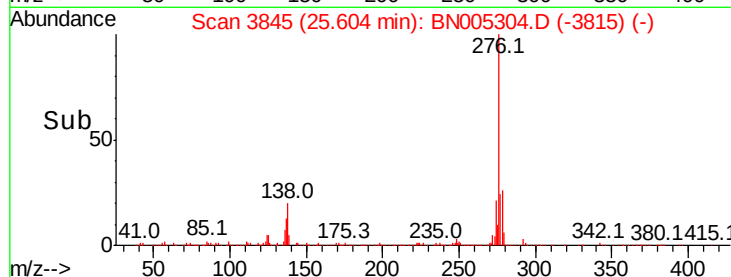
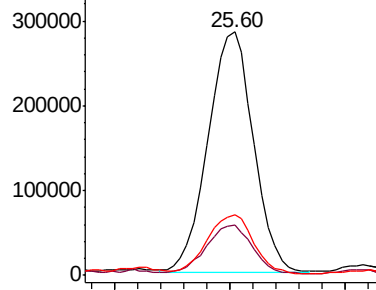


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

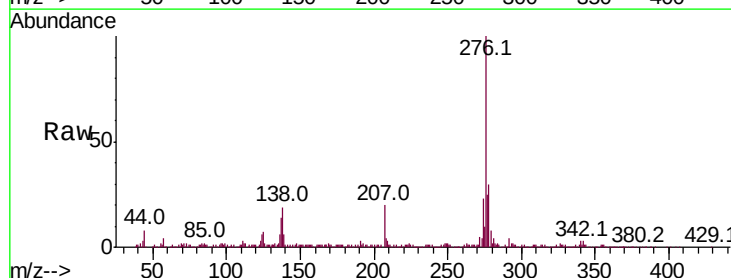
Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene
Concen: 2.110 ng/ul
RT: 25.61 min Scan# 3846
Delta R.T. -0.03 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.1	19.7#
279	28.5	19.4	29.0

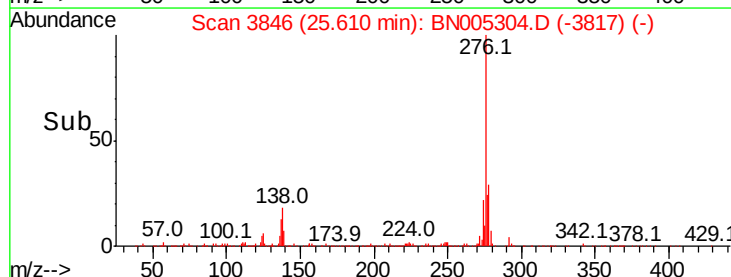
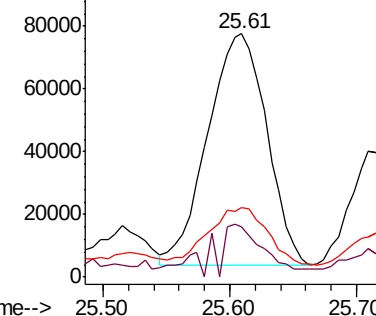


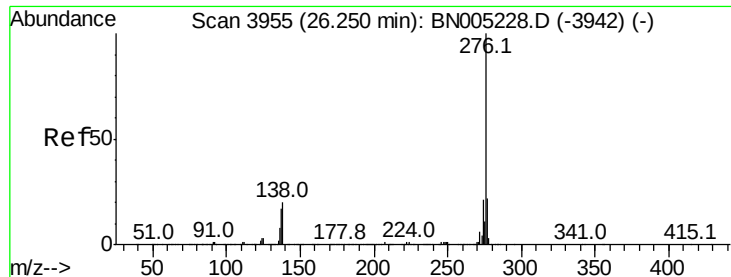
Abundance

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: 5.479 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.03 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampleId :

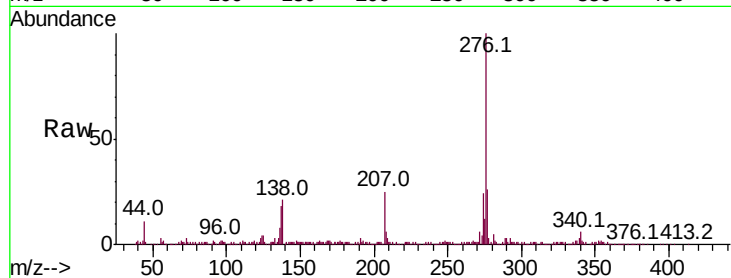
Tot Ion:276 Resp: 604047

Ion Ratio Lower Upper

276 100

138 20.5 16.7 25.1

277 25.5 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

