

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005581.D
 Acq On : 10 May 2019 00:01
 Operator : JU/SJ
 Sample : K2603-16MEDL 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 10 01:22:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	331835	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1398885	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	814728	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1757321	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1180012	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1213936	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	3473	0.51	ng/uL	0.00
5) Phenol-d5	6.77	99	64987	2.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	41342	2.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	56136	2.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	40330	1.98	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	29894	3.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	28973	3.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	53963	2.70	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	52496	2.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	196231	3.32	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	242916	3.34	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	1651	0.18	ng/ul	-0.01
57) Fluorene-d10	15.23	176	173514	3.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	459	0.06	ng/ul	0.00
70) Anthracene-d10	17.08	188	267692	3.63	ng/ul	0.00
78) Pyrene-d10	19.39	212	244117	4.04	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	170590	3.22	ng/ul	0.00

Target Compounds

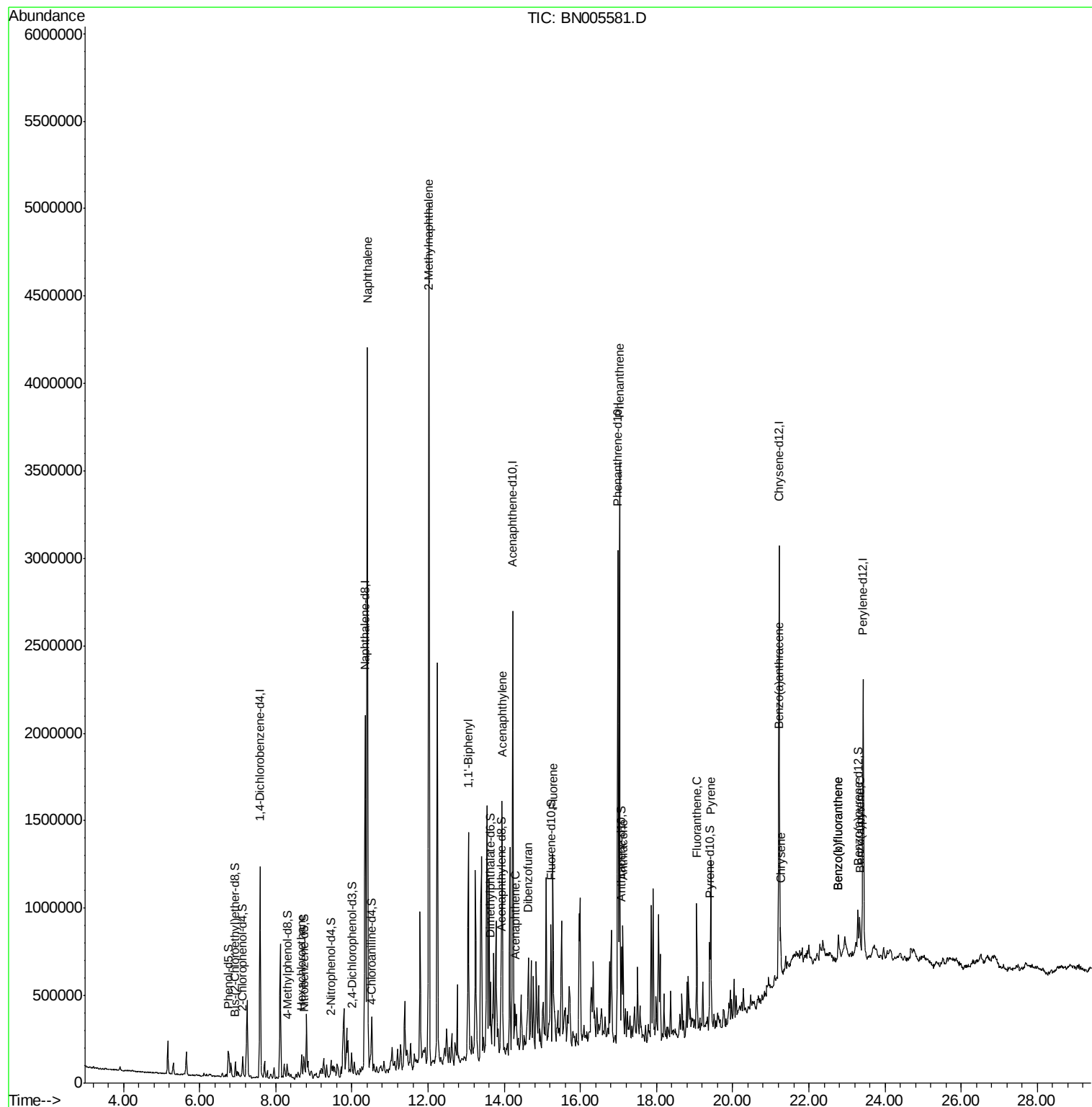
					Ovalue	
17) Hexachloroethane	8.67	117	25030	2.795	ng/ul#	6
28) Naphthalene	10.40	128	3349428	51.504	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	2395069	50.299	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	194455	3.203	ng/ul	97
47) Acenaphthylene	13.95	152	833200	11.672	ng/ul#	97
49) Acenaphthene	14.29	153	99384	2.039	ng/ul	96
53) Dibenzofuran	14.63	168	95739	1.364	ng/ul	90
58) Fluorene	15.28	166	478873	8.746	ng/ul	97
69) Phenanthrene	17.03	178	2074791	24.243	ng/ul	99
71) Anthracene	17.12	178	430774	4.941	ng/ul	99
76) Fluoranthene	19.06	202	403495	4.250	ng/ul	96
79) Pyrene	19.42	202	561996	7.397	ng/ul#	94
82) Benzo(a)anthracene	21.20	228	151543	2.064	ng/ul	96
84) Chrysene	21.25	228	136321	2.001	ng/ul	96
87) Benzo(b)fluoranthene	22.77	252	99484	1.458	ng/ul#	80
88) Benzo(k)fluoranthene	22.77	252	99484	1.526	ng/ul#	79
90) Benzo(a)pyrene	23.33	252	85052	1.326	ng/ul#	89

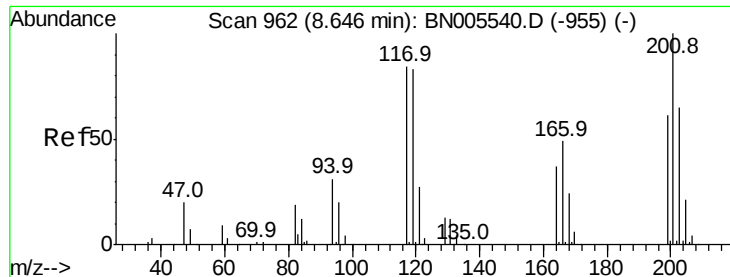
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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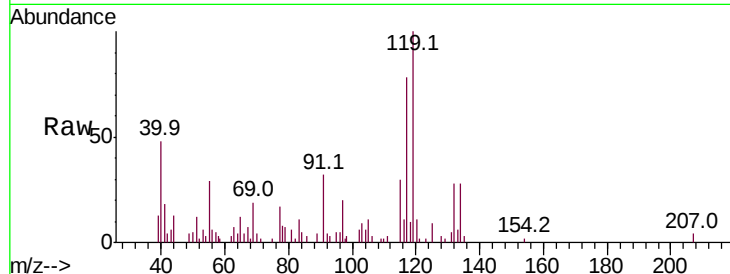




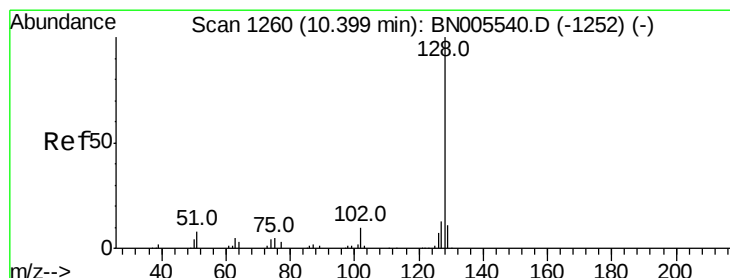
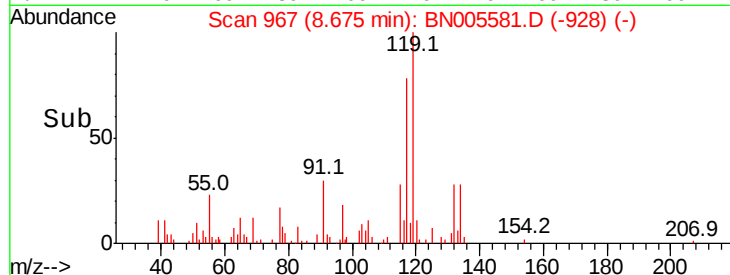
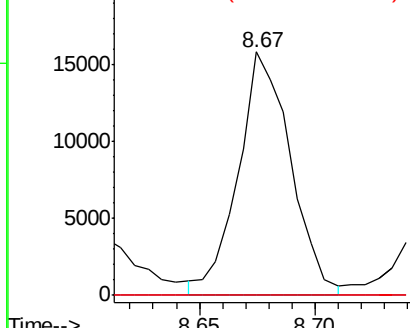
#17
Hexachloroethane
Concen: 2.795 ng/ul
RT: 8.67 min Scan# 967
Delta R.T. 0.03 min
Lab File: BN005581.D
Acq: 10 May 2019 00:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion:117 Resp: 25030
Ion Ratio Lower Upper
117 100
201 0.0 84.1 126.1#
199 0.0 51.2 76.8#

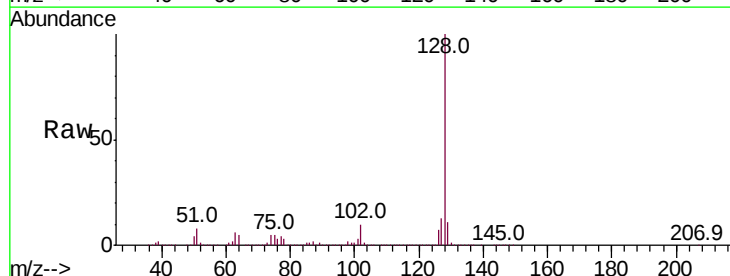


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

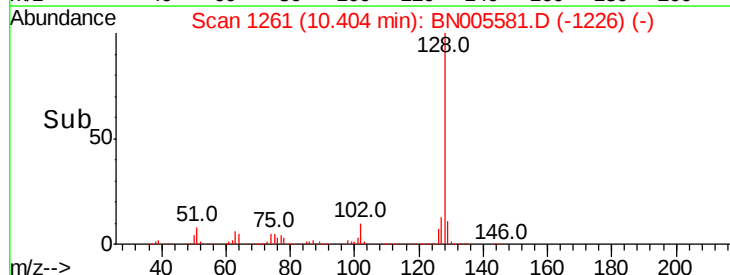
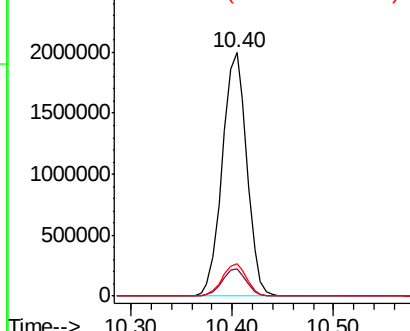


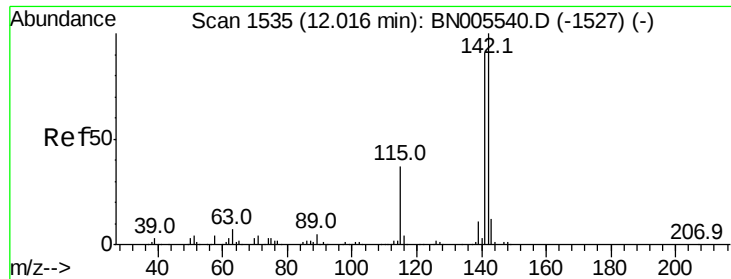
#28
Naphthalene
Concen: 51.504 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BN005581.D
Acq: 10 May 2019 00:01

Tgt Ion:128 Resp: 3349428
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 13.3 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

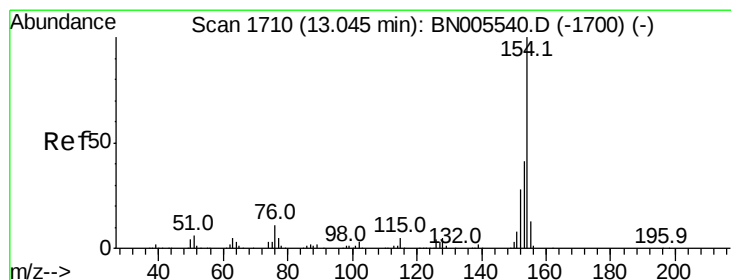
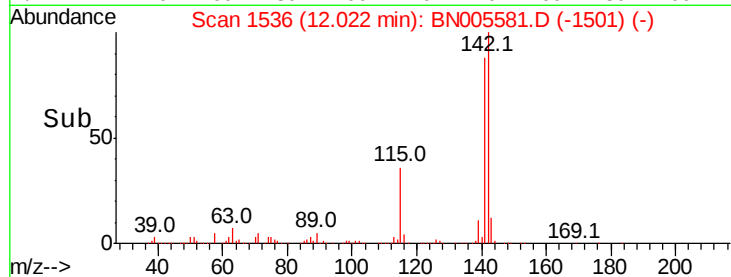
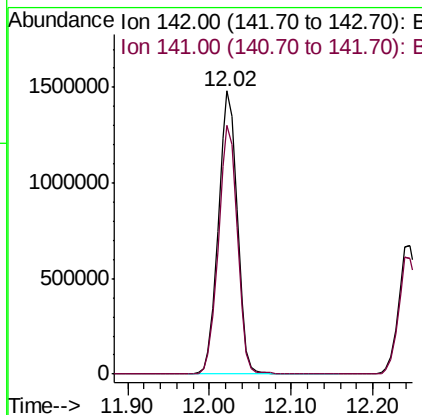
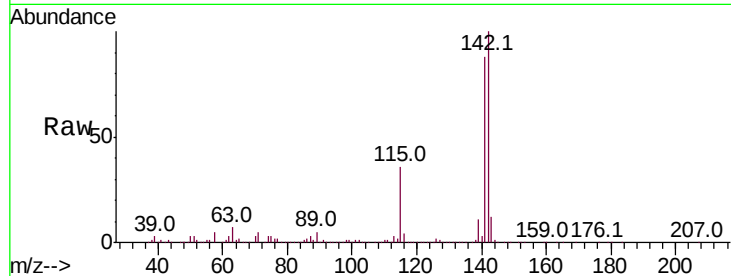




#34
 2-Methylnaphthalene
 Concen: 50.299 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: BN005581.D
 Acq: 10 May 2019 00:01

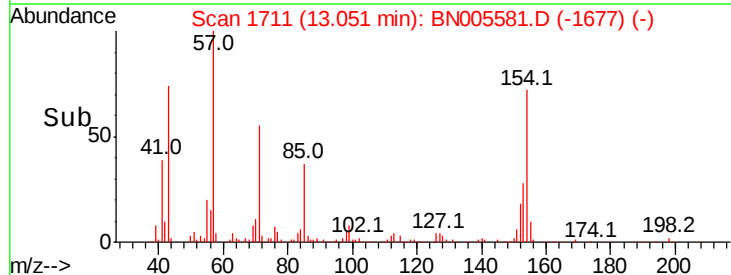
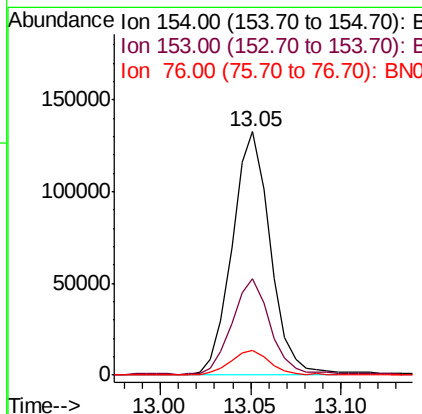
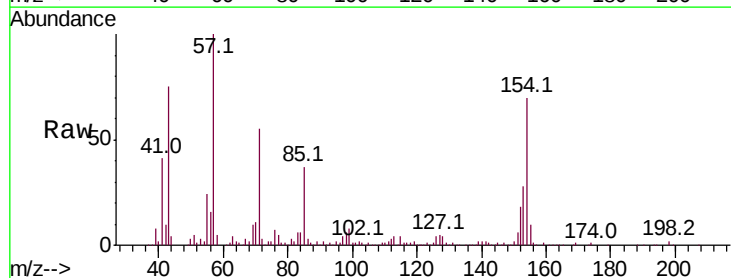
Instrument :
 BNA_N
 ClientSampleId :

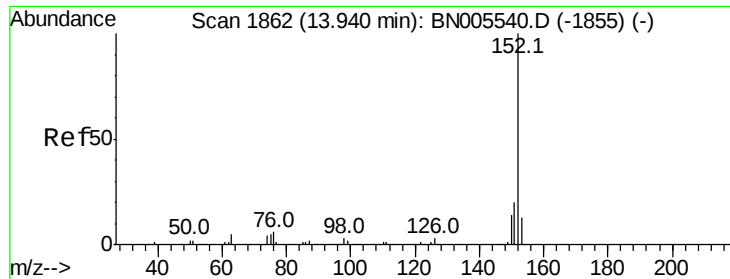
Tot Ion:142 Resp: 2395069
 Ion Ratio Lower Upper
 142 100
 141 87.9 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 3.203 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BN005581.D
 Acq: 10 May 2019 00:01

Tgt Ion:154 Resp: 194455
 Ion Ratio Lower Upper
 154 100
 153 39.6 32.6 49.0
 76 10.4 10.4 15.6





#47

Acenaphthylene

Concen: 11.672 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

Instrument :

BNA_N

ClientSampleId :

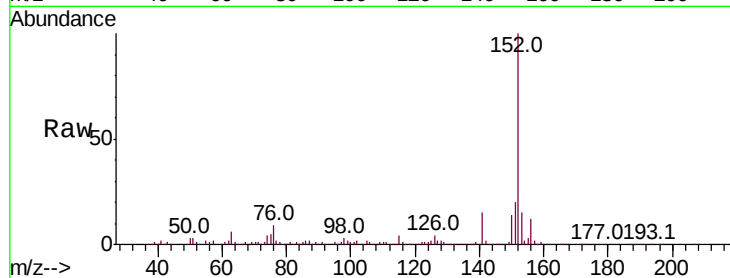
Tot Ion:152 Resp: 833200

Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.8

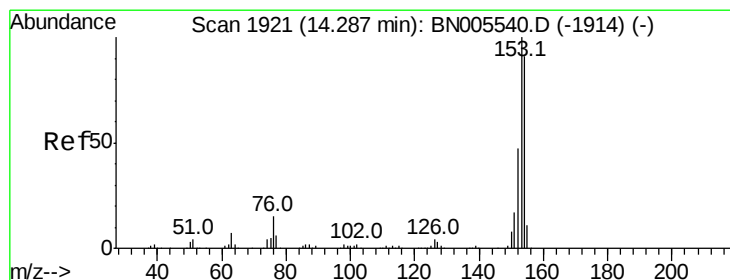
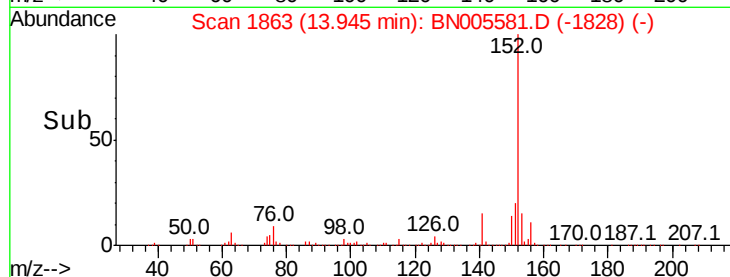
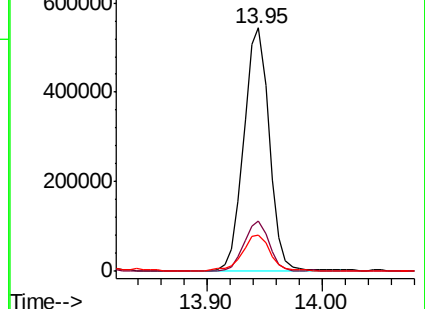
153 14.9 9.8 14.8#



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: 2.039 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

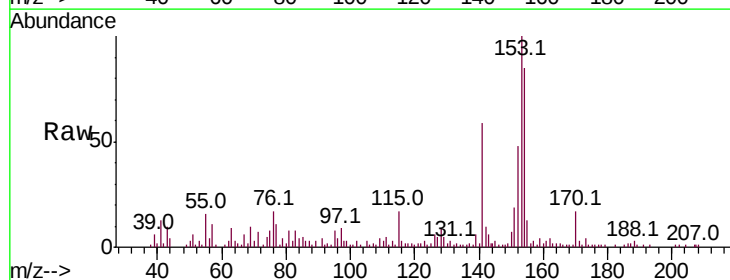
Tgt Ion:153 Resp: 99384

Ion Ratio Lower Upper

153 100

152 48.2 37.4 56.0

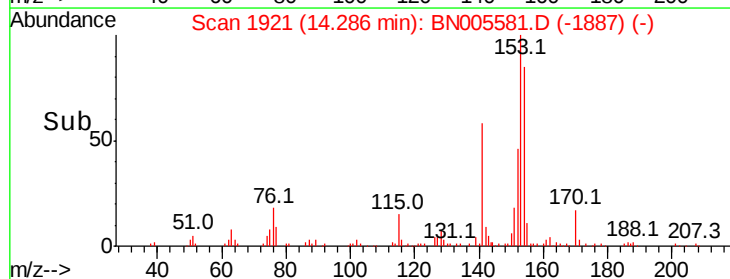
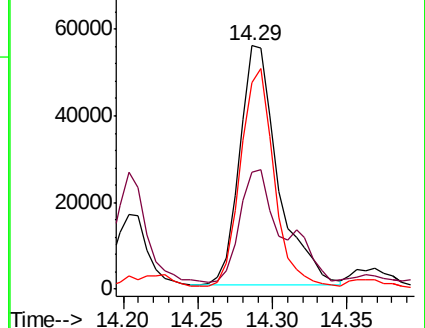
154 85.0 71.2 106.8

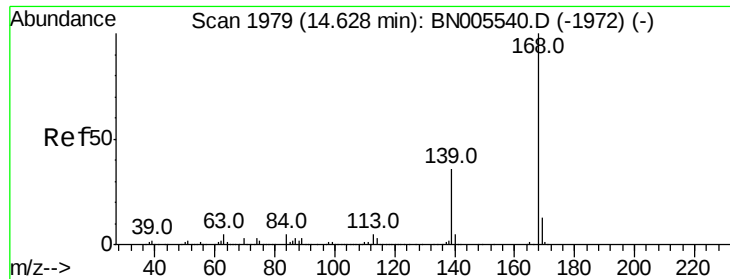


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.364 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

Instrument :

BNA_N

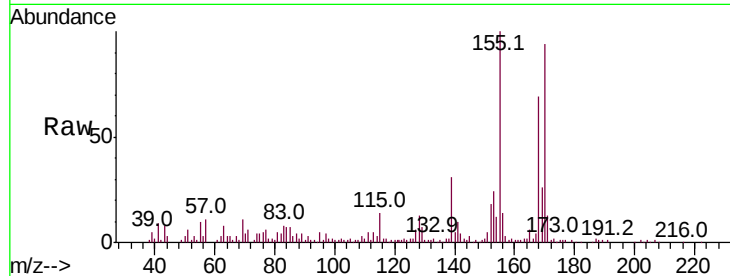
ClientSampleId :

Tot Ion:168 Resp: 95739

Ion Ratio Lower Upper

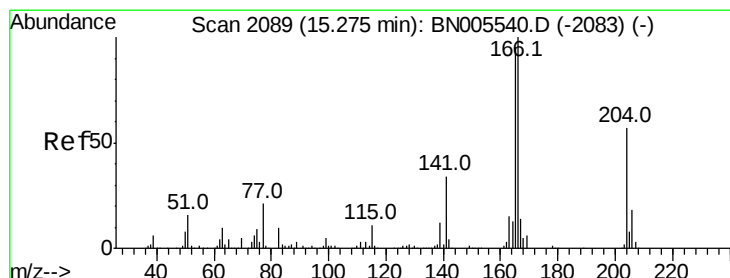
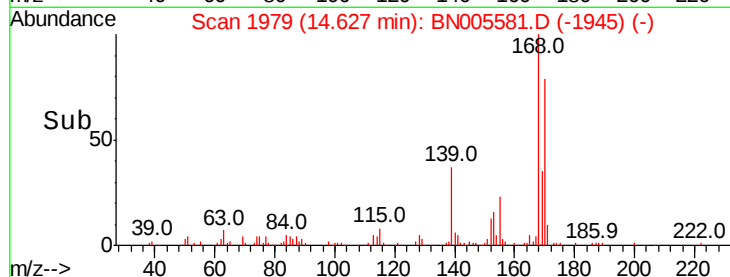
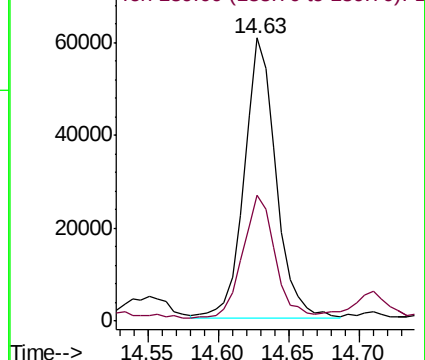
168 100

139 44.7 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: 8.746 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

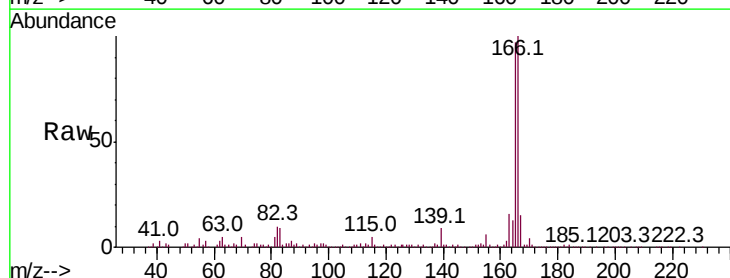
Tgt Ion:166 Resp: 478873

Ion Ratio Lower Upper

166 100

165 97.4 80.0 120.0

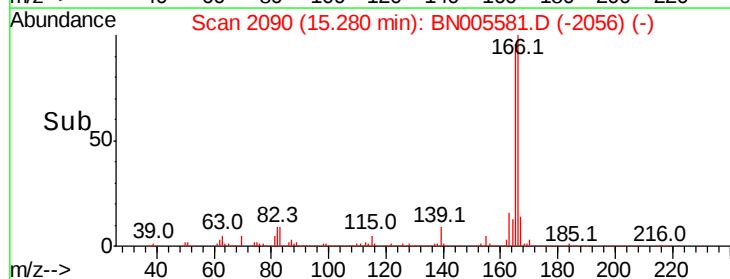
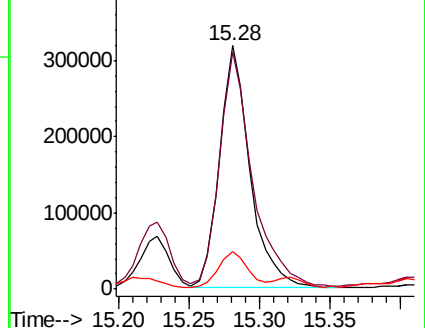
167 15.3 10.7 16.1

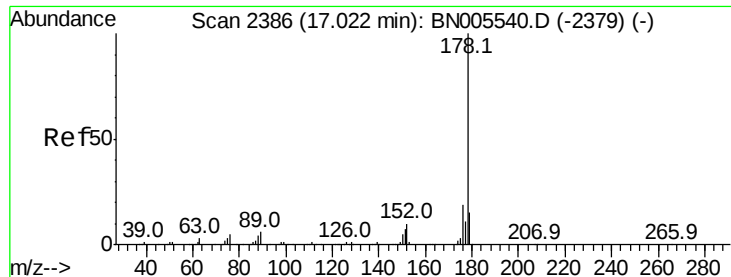


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 24.243 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

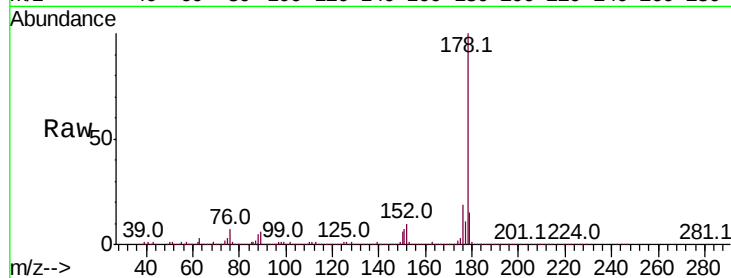
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 2074791

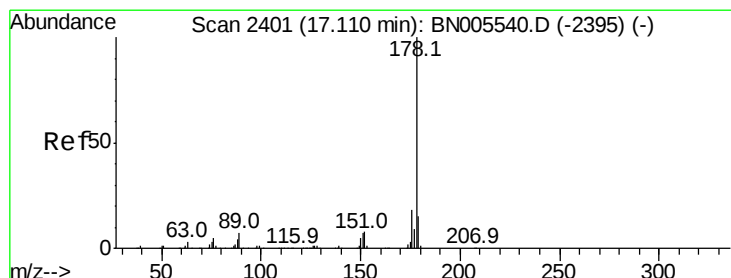
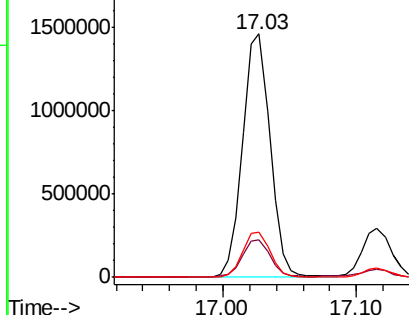
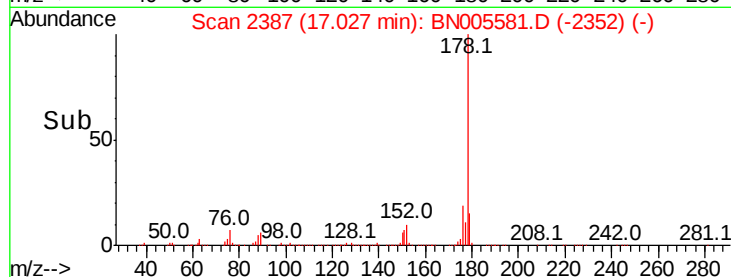
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	18.6	15.1	22.7



Abundance Ion 178.00 (177.70 to 178.70): E

2000000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 4.941 ng/ul

RT: 17.12 min Scan# 2402

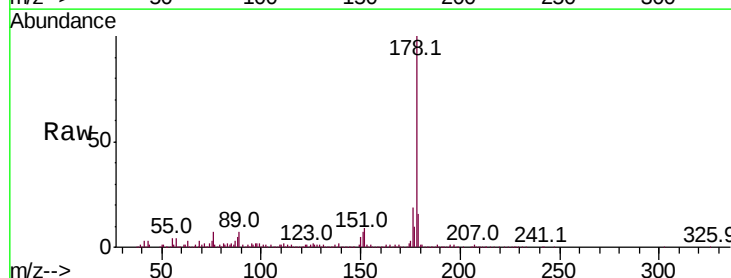
Delta R.T. 0.01 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

Tgt Ion:178 Resp: 430774

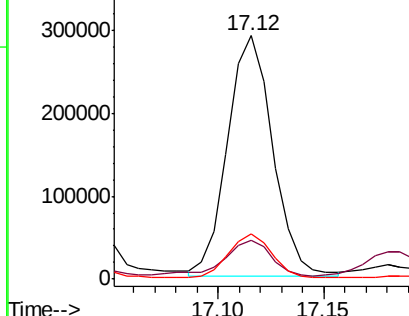
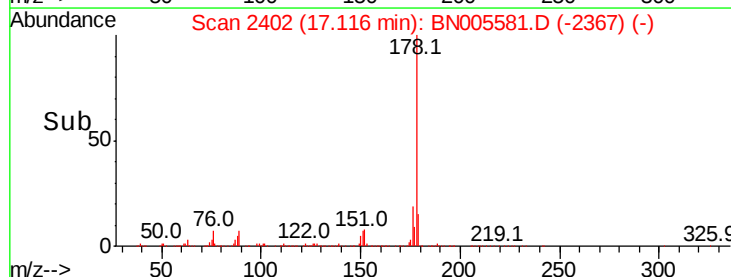
Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.3	18.5
176	18.6	15.1	22.7

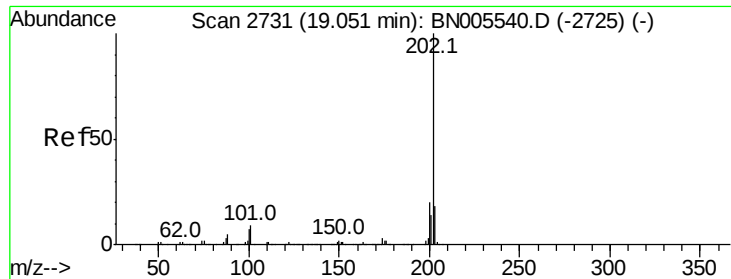


Abundance Ion 178.00 (177.70 to 178.70): E

400000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 4.250 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.00 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

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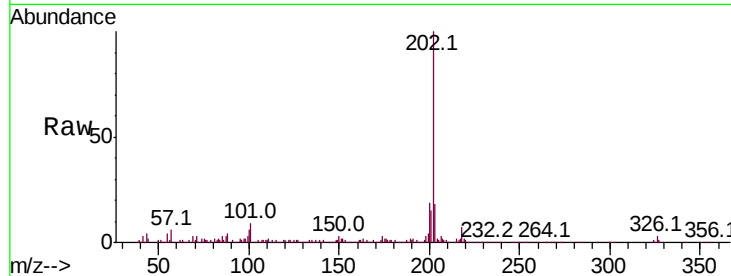
Tot Ion:202 Resp: 403495

Ion Ratio Lower Upper

202 100

101 9.0 8.6 12.8

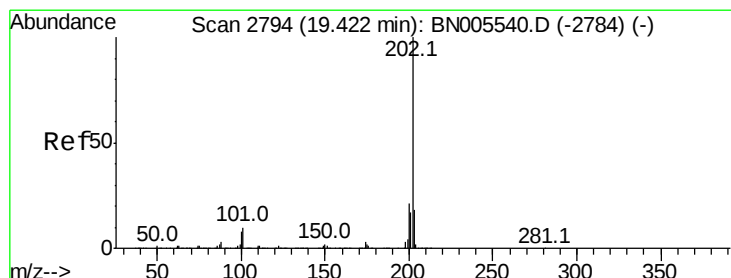
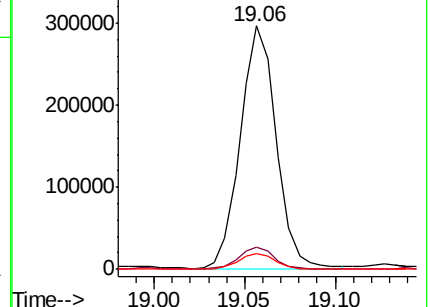
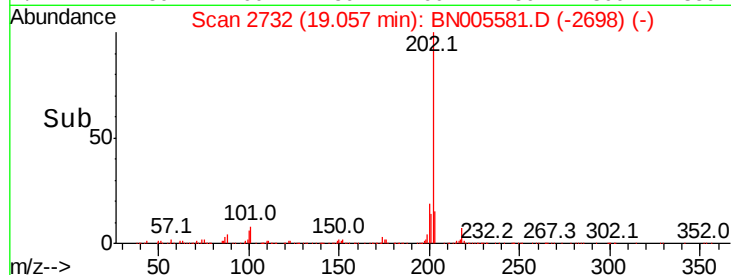
100 6.4 6.3 9.5



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: 7.397 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

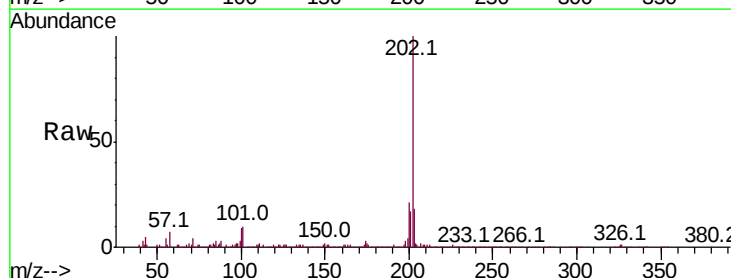
Tgt Ion:202 Resp: 561996

Ion Ratio Lower Upper

202 100

101 9.7 10.3 15.5#

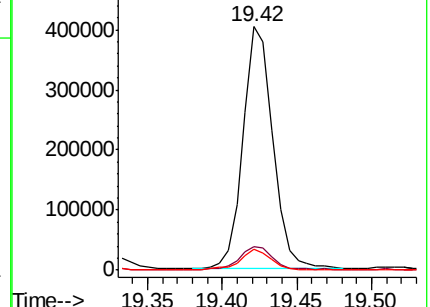
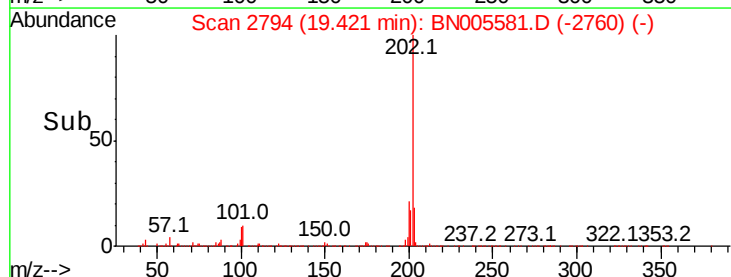
100 8.6 7.9 11.9

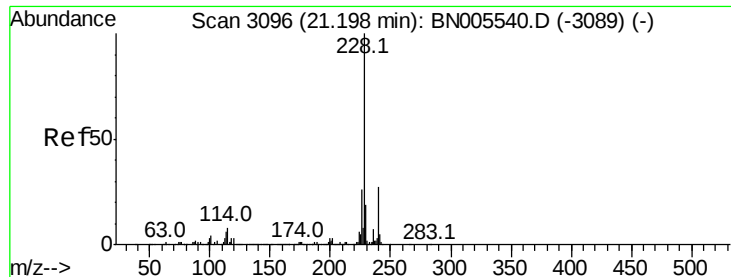


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 2.064 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

Instrument :

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ClientSampleId :

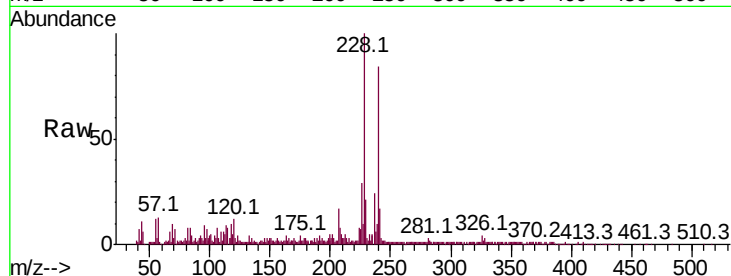
Tot Ion:228 Resp: 151543

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

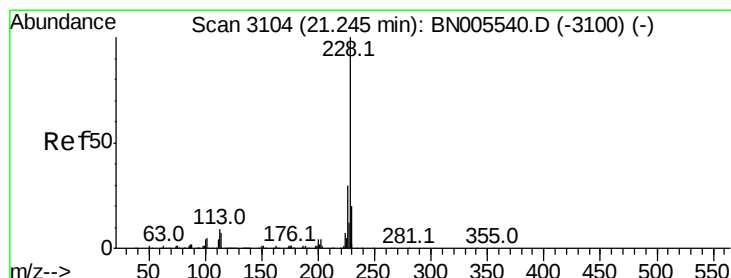
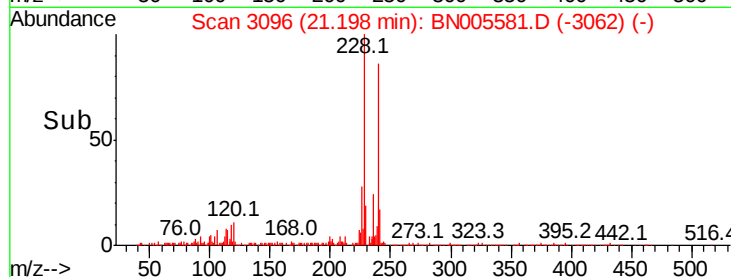
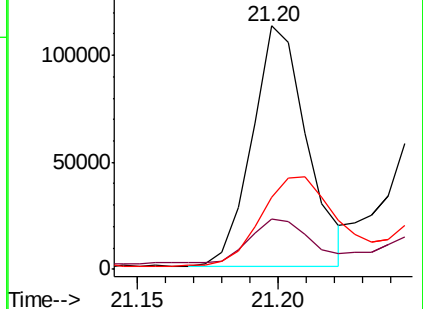
226 29.4 21.4 32.2



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: 2.001 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

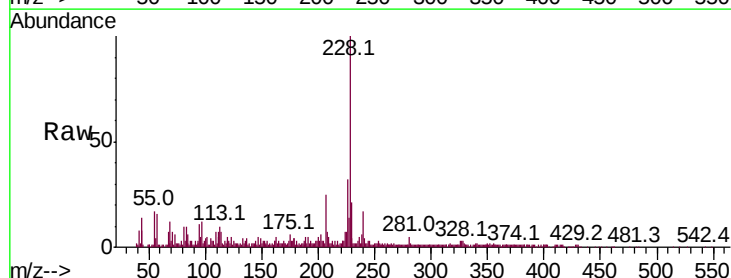
Tgt Ion:228 Resp: 136321

Ion Ratio Lower Upper

228 100

226 32.0 24.0 36.0

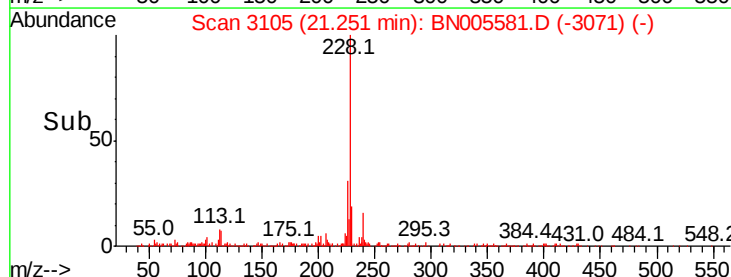
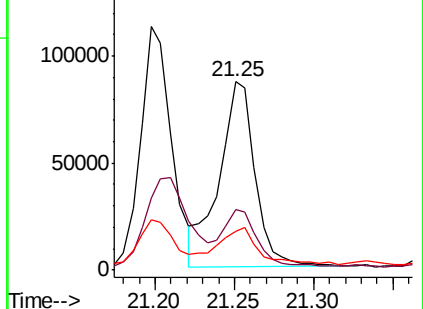
229 20.8 15.4 23.0

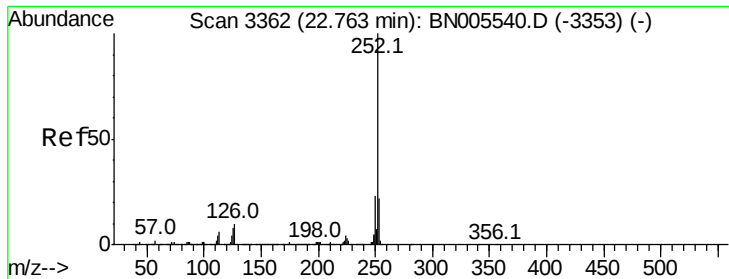


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 1.458 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

Instrument :

BNA_N

ClientSampleId :

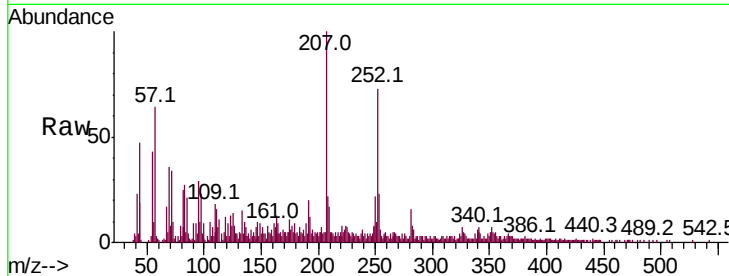
Tot Ion:252 Resp: 99484

Ion Ratio Lower Upper

252 100

253 31.1 17.7 26.5#

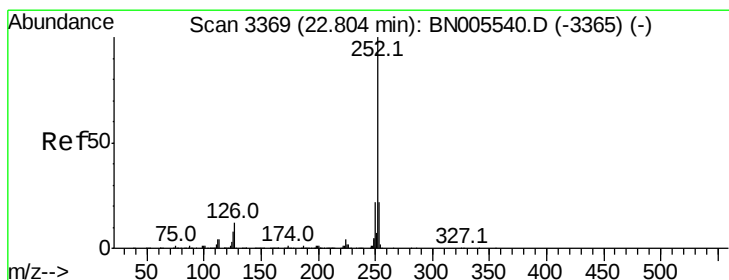
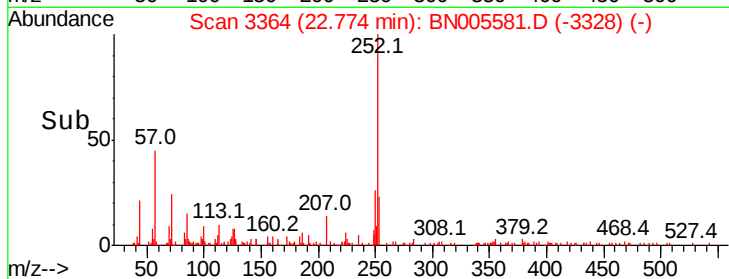
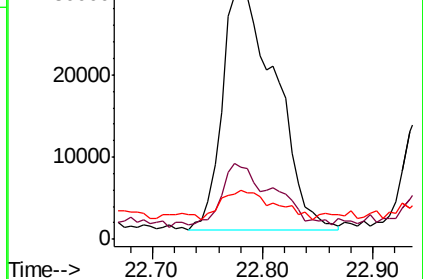
125 18.5 8.4 12.6#



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: 1.526 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.04 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

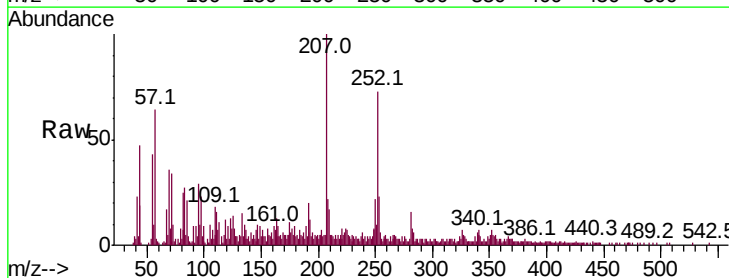
Tgt Ion:252 Resp: 99484

Ion Ratio Lower Upper

252 100

253 31.1 17.4 26.0#

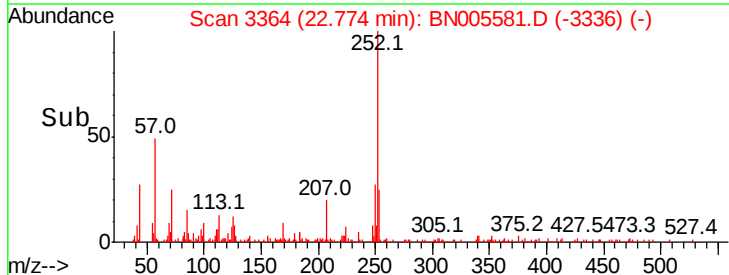
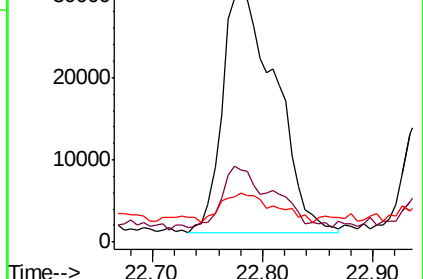
125 18.5 7.5 11.3#

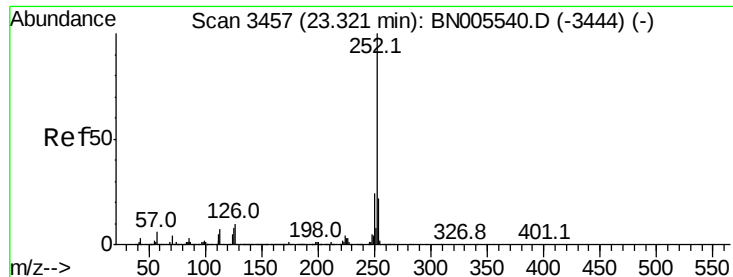


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 1.326 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. 0.01 min

Lab File: BN005581.D

Acq: 10 May 2019 00:01

Instrument :

BNA_N

ClientSampleId :

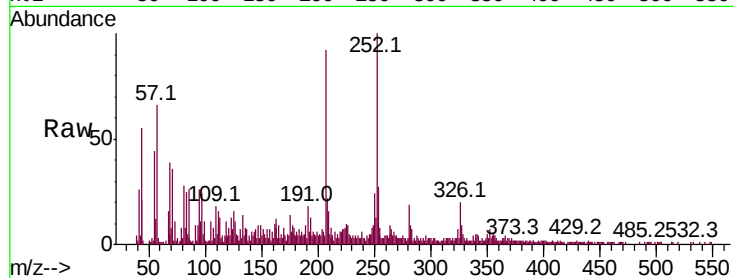
Tot Ion:252 Resp: 85052

Ion Ratio Lower Upper

252 100

253 26.6 17.3 25.9#

125 15.8 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

