

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
 Data File : BN005599.D
 Acq On : 10 May 2019 21:23
 Operator : JU/SJ
 Sample : K2604-21ME
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 10 23:12:11 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	7.58	152	228798	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	964515	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.22	164	567974	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	1192677	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	875418	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	864558	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	11148	2.35	ng/uL	0.00
5) Phenol-d5	6.77	99	239023	13.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	157211	14.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	208134	15.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	210758	15.00	ng/ul	-0.01
19) Nitrobenzene-d5	8.73	128	120439	20.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	130549	21.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	224959	16.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	247267	17.38	ng/ul	0.00
43) Dimethylphthalate-d6	13.63	166	804083	19.50	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	912908	18.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	82874	12.73	ng/ul	0.00
57) Fluorene-d10	15.22	176	650143	18.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	48851	9.11	ng/ul	0.02
70) Anthracene-d10	17.08	188	976893	19.54	ng/ul	0.00
78) Pyrene-d10	19.39	212	1008385	22.52	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	747690	19.79	ng/ul	0.00

Target Compounds

					Ovalue	
17) Hexachloroethane	8.67	117	37320	6.045	ng/ul#	6
28) Naphthalene	10.40	128	7342338	163.750	ng/ul	99
30) 4-Chloroaniline	10.40	127	997010	68.803	ng/ul#	12
34) 2-Methylnaphthalene	12.02	142	6491337	197.717	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	1678119	39.654	ng/ul#	97
44) Dimethylphthalate	13.68	163	154711	3.766	ng/ul	99
47) Acenaphthylene	13.95	152	6992402	140.506	ng/ul	98
49) Acenaphthene	14.28	153	548981	16.159	ng/ul	99
53) Dibenzofuran	14.62	168	645732	13.201	ng/ul	99
54) 2,4-Dinitrotoluene	14.59	165	36717	3.590	ng/ul#	51
58) Fluorene	15.29	166	498113	13.050	ng/ul#	56
64) N-Nitrosodiphenylamine	15.49	169	42499	1.302	ng/ul#	23
69) Phenanthrene	17.03	178	16835374	289.839	ng/ul	95
71) Anthracene	17.12	178	4313932	72.906	ng/ul	99
76) Fluoranthene	19.06	202	7851212	121.861	ng/ul	97
79) Pyrene	19.43	202	10551504	187.198	ng/ul	97
82) Benzo(a)anthracene	21.25	228	2984189	54.796	ng/ul	94
84) Chrysene	21.25	228	2990693	59.170	ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	2090074	43.006	ng/ul	98
88) Benzo(k)fluoranthene	22.77	252	2090074	45.030	ng/ul	98
90) Benzo(a)pyrene	23.23	252	1179577	25.822	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.60	276	908149	17.981	ng/ul#	94
92) Dibenz(a,h)anthracene	25.60	278	272951	6.368	ng/ul#	84

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: May 10 23:12:11 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

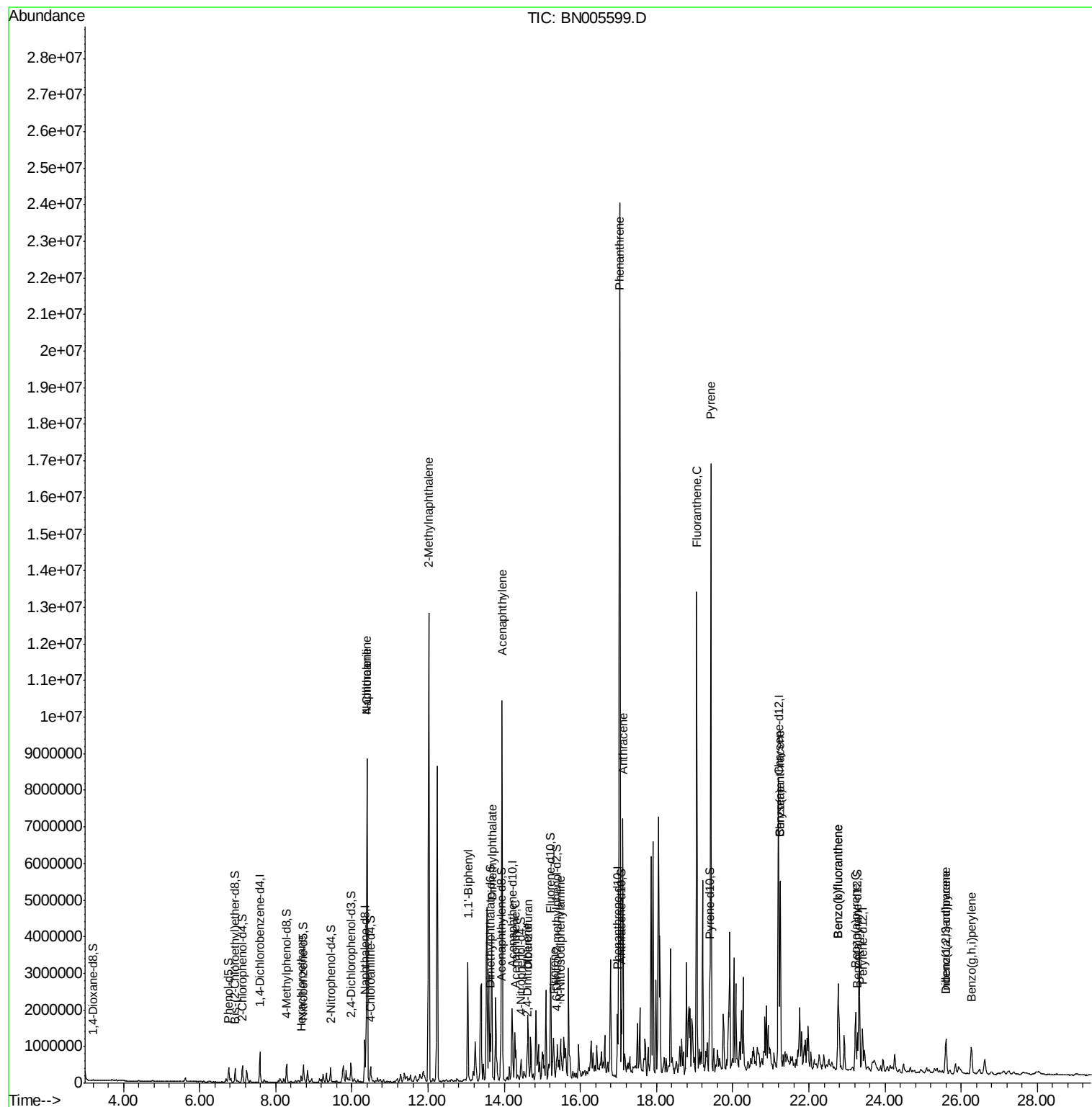
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.27	276	894727	21.425	ng/ul#	94

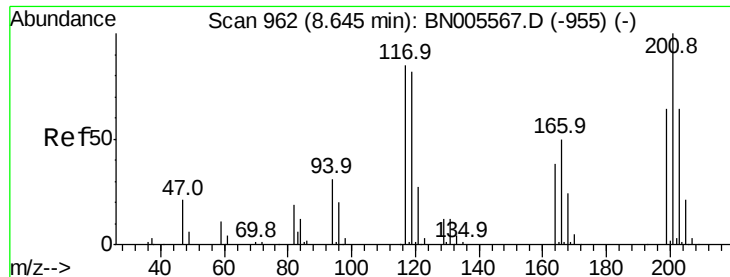
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: May 10 23:12:11 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

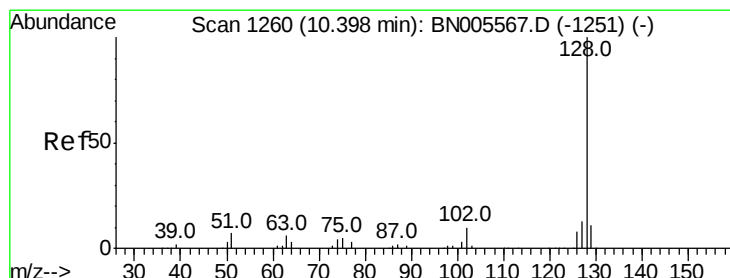
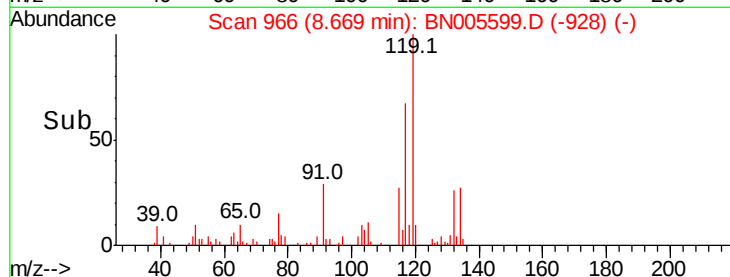
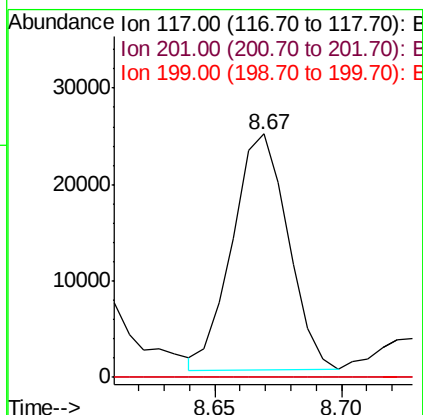
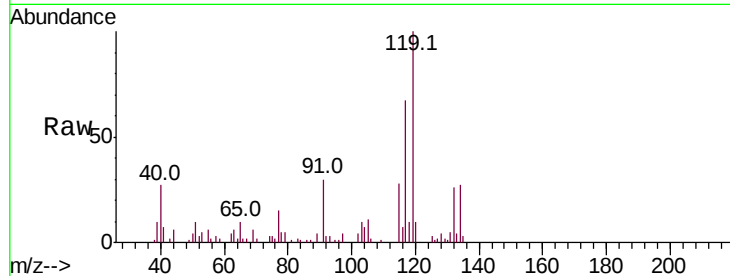




#17
Hexachloroethane
Concen: 6.045 ng/ul
RT: 8.67 min Scan# 966
Delta R.T. 0.02 min
Lab File: BN005599.D
Acq: 10 May 2019 21:23

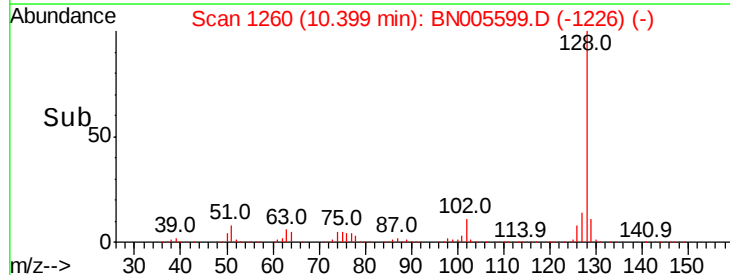
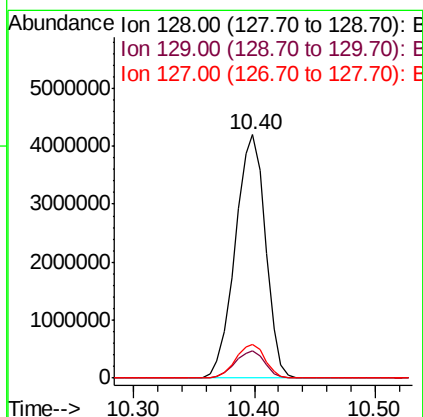
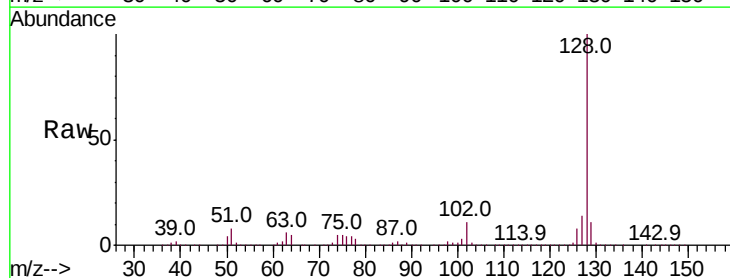
Instrument :
BNA_N
ClientSampleId :

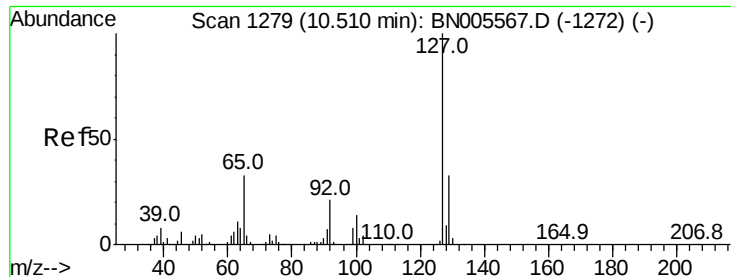
Tot Ion:117 Resp: 37320
Ion Ratio Lower Upper
117 100
201 0.0 84.1 126.1#
199 0.0 51.2 76.8#



#28
Naphthalene
Concen: 163.750 ng/ul
RT: 10.40 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BN005599.D
Acq: 10 May 2019 21:23

Tgt Ion:128 Resp: 7342338
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.9 10.7 16.1





#30

4-Chloroaniline

Concen: 68.803 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.11 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Instrument :

BNA_N

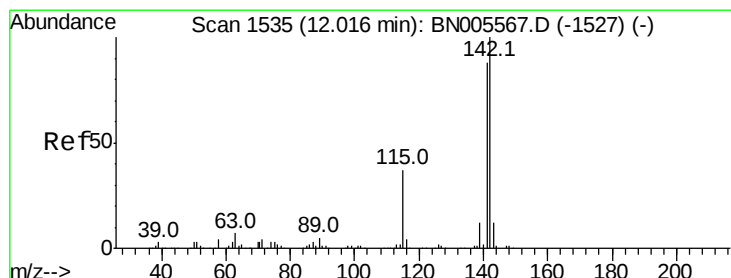
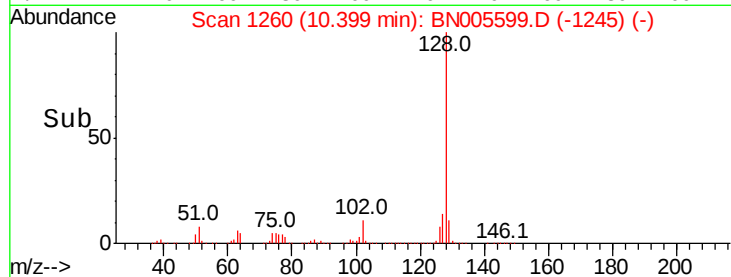
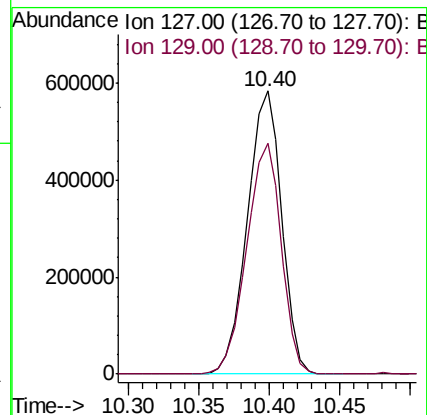
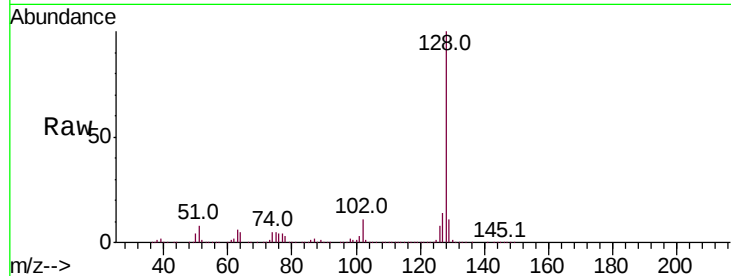
ClientSampleId :

Tot Ion:127 Resp: 997010

Ion Ratio Lower Upper

127 100

129 81.5 25.8 38.6#



#34

2-Methylnaphthalene

Concen: 197.717 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BN005599.D

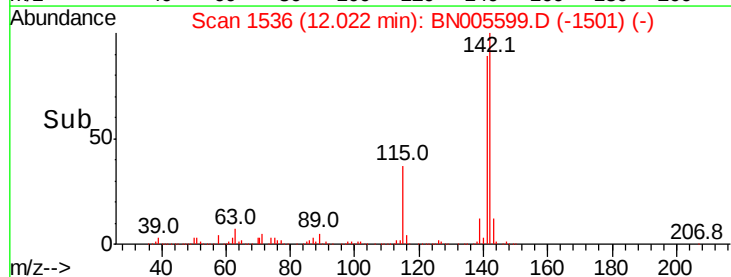
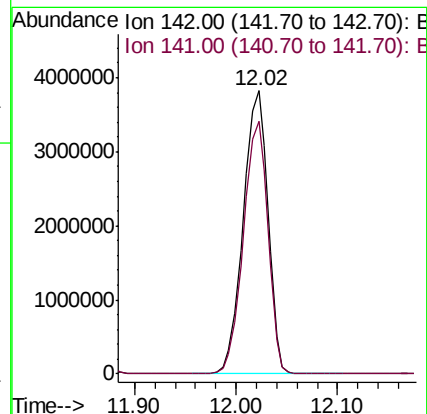
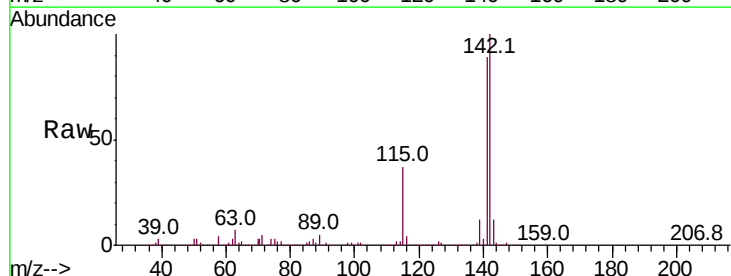
Acq: 10 May 2019 21:23

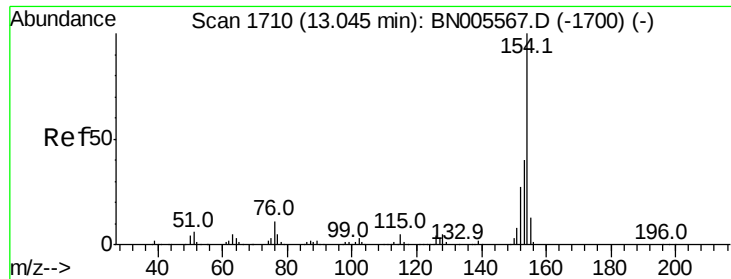
Tgt Ion:142 Resp: 6491337

Ion Ratio Lower Upper

142 100

141 89.1 72.0 108.0





#40

1,1'-Biphenyl

Concen: 39.654 ng/ul

RT: 13.05 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

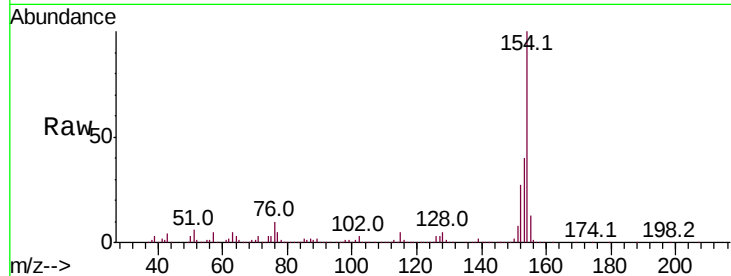
Instrument :

BNA_N

ClientSampleId :

Tot Ion:154 Resp: 1678119

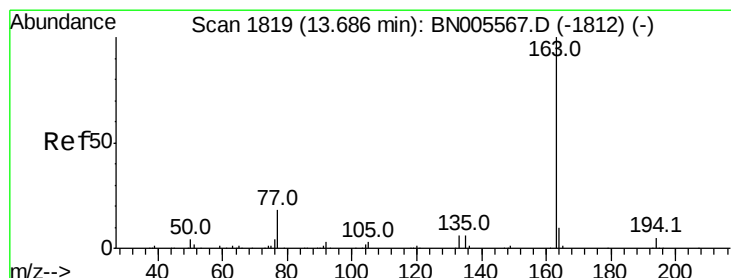
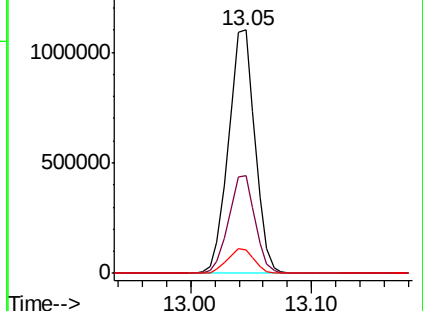
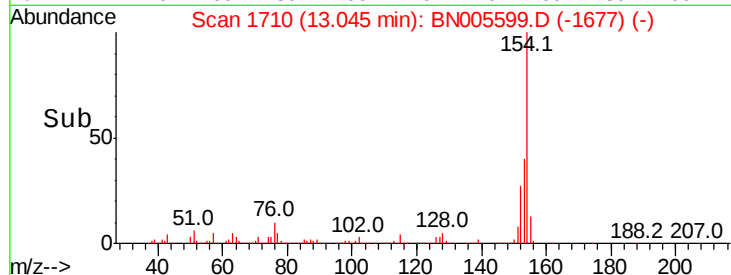
Ion	Ratio	Lower	Upper
154	100		
153	40.2	32.6	49.0
76	9.6	10.4	15.6



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



#44

Dimethylphthalate

Concen: 3.766 ng/ul

RT: 13.68 min Scan# 1818

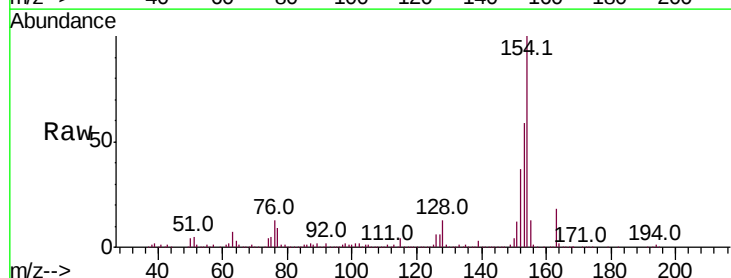
Delta R.T. -0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Tgt Ion:163 Resp: 154711

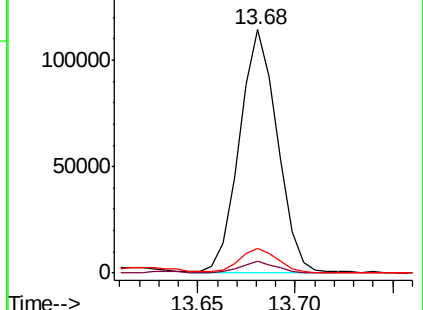
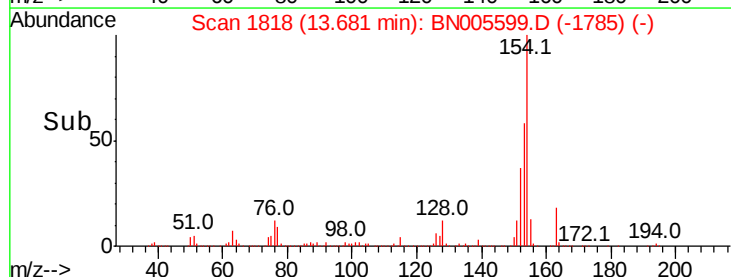
Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.0
164	10.3	8.1	12.1

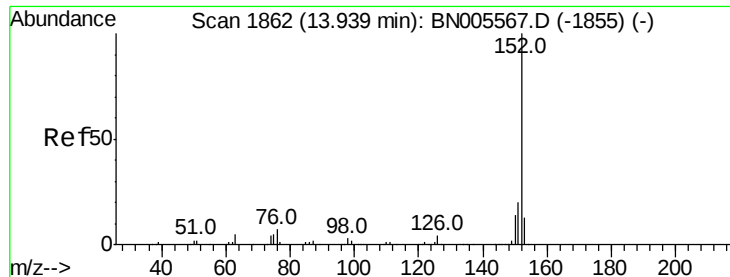


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 140.506 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

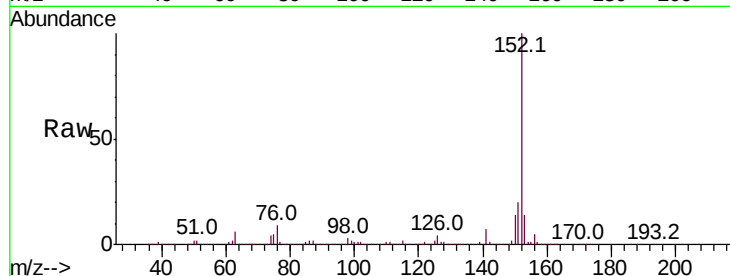
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 6992402

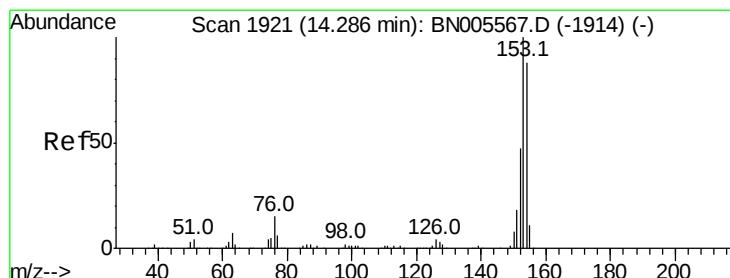
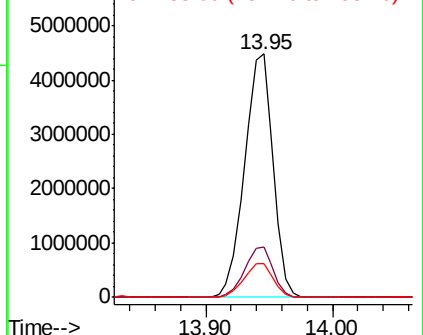
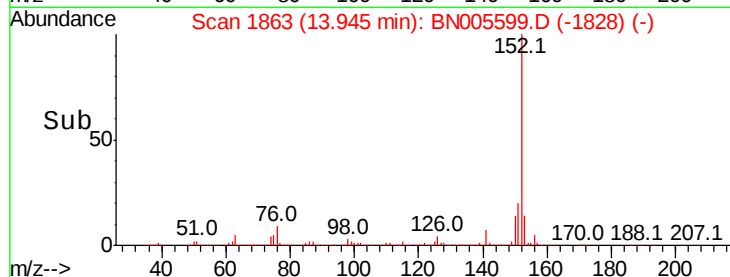
Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	14.0	9.8	14.8



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: 16.159 ng/ul

RT: 14.28 min Scan# 1920

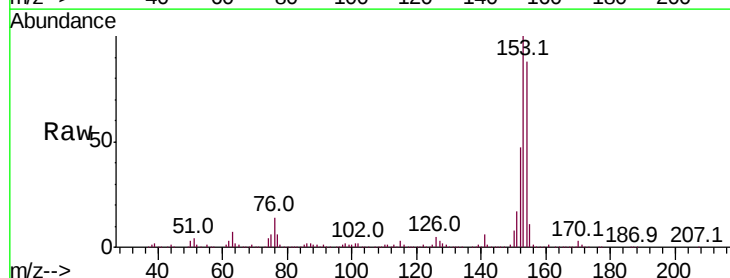
Delta R.T. -0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Tgt Ion:153 Resp: 548981

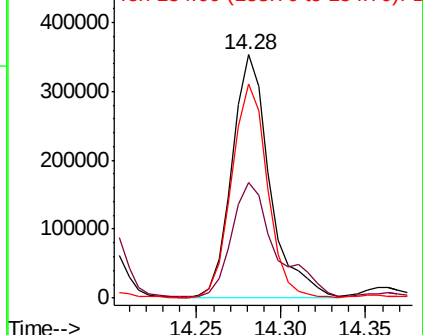
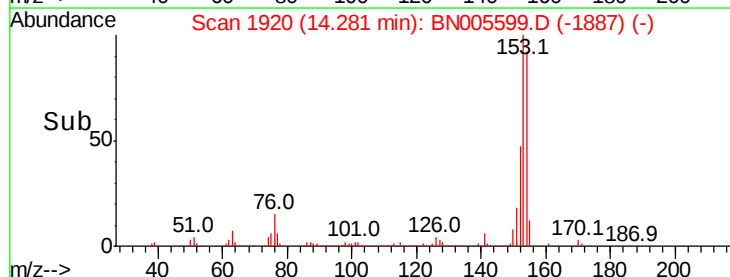
Ion	Ratio	Lower	Upper
153	100		
152	47.3	37.4	56.0
154	87.9	71.2	106.8

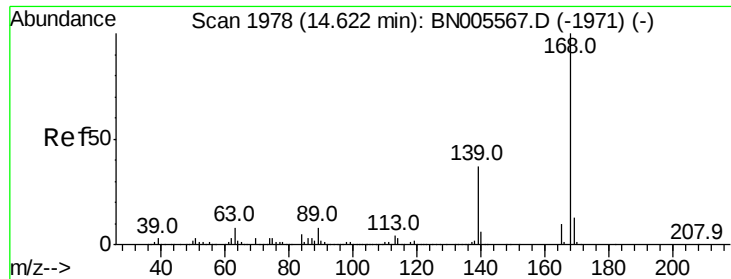


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 13.201 ng/ul

RT: 14.62 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Instrument :

BNA_N

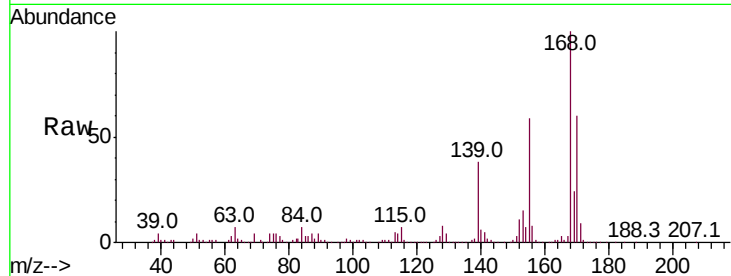
ClientSampled :

Tot Ion:168 Resp: 645732

Ion Ratio Lower Upper

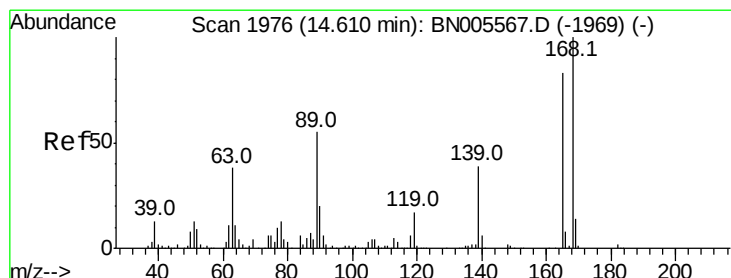
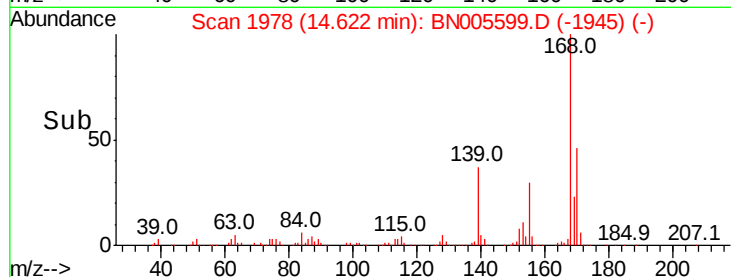
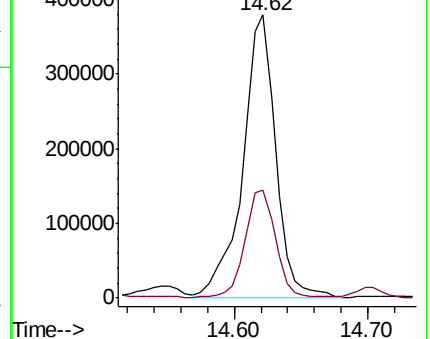
168 100

139 38.3 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: 3.590 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. -0.02 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

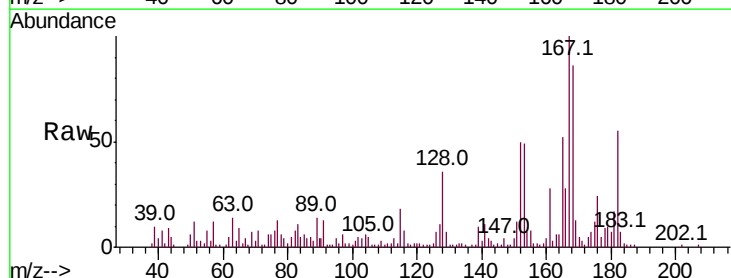
Tgt Ion:165 Resp: 36717

Ion Ratio Lower Upper

165 100

63 27.4 38.9 58.3#

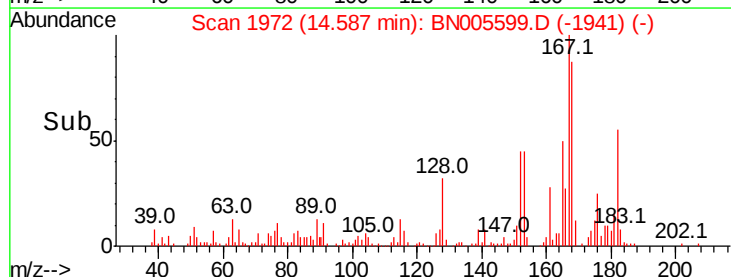
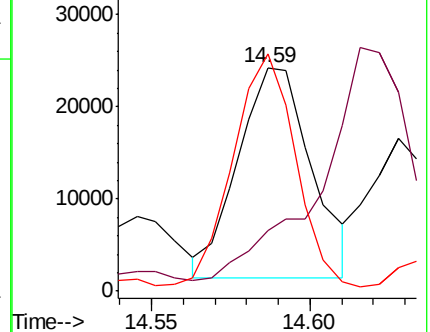
182 106.4 2.6 3.8#

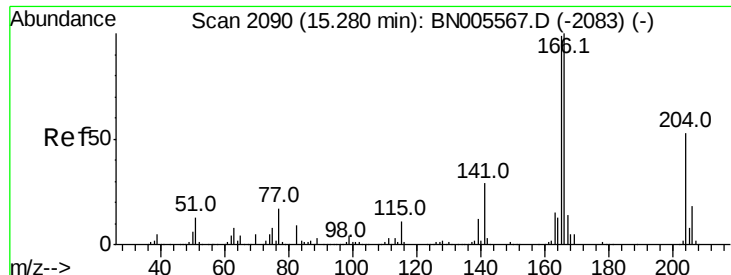


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 13.050 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Instrument :

BNA_N

ClientSampled :

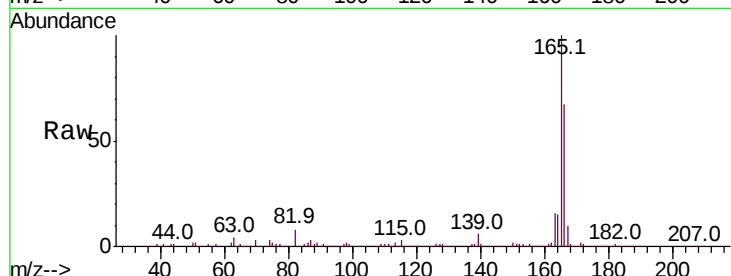
Tot Ion:166 Resp: 498113

Ion Ratio Lower Upper

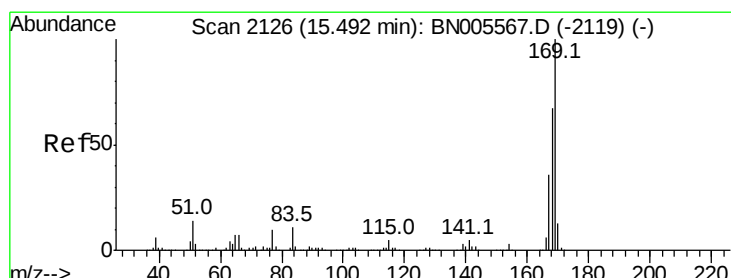
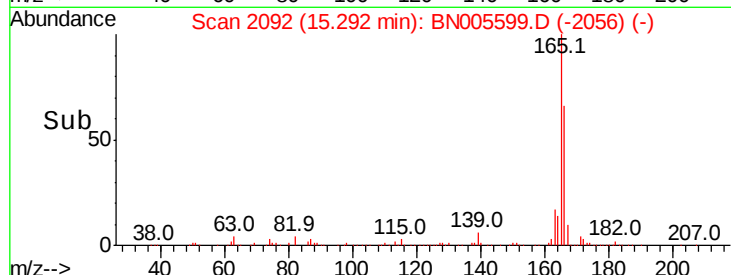
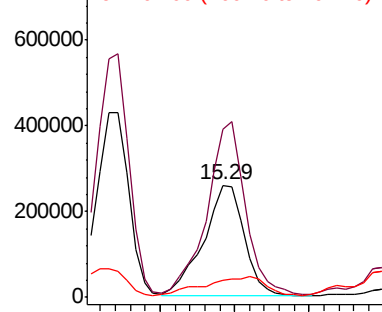
166 100

165 149.8 80.0 120.0#

167 14.9 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: 1.302 ng/ul

RT: 15.49 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

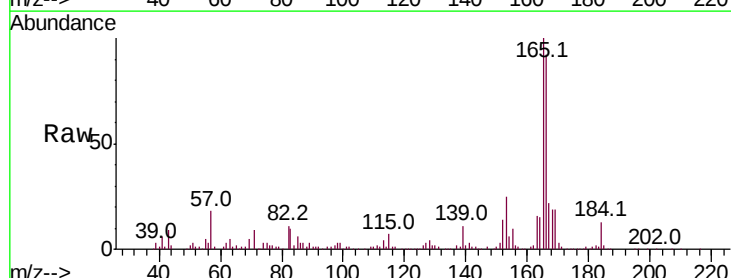
Tgt Ion:169 Resp: 42499

Ion Ratio Lower Upper

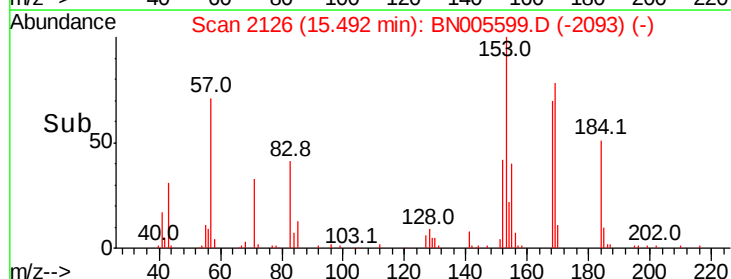
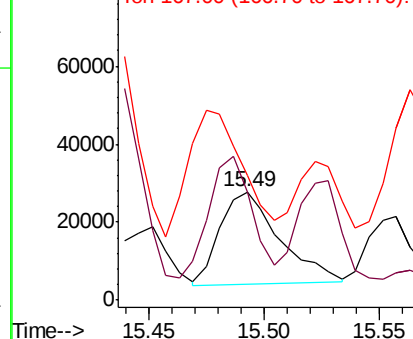
169 100

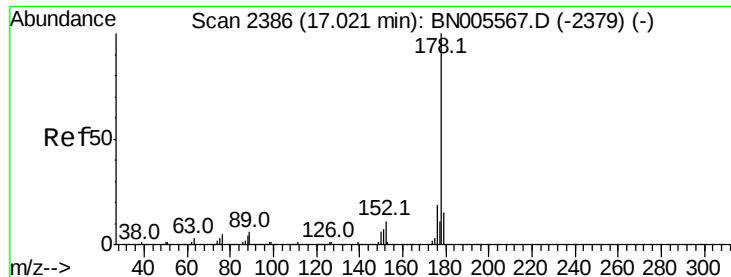
168 100.0 52.2 78.2#

167 115.5 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: 289.839 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Instrument :

BNA_N

ClientSampleId :

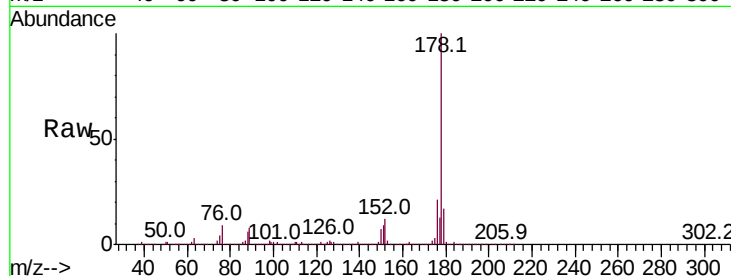
Tot Ion:178 Resp:16835374

Ion Ratio Lower Upper

178 100

179 17.3 12.2 18.4

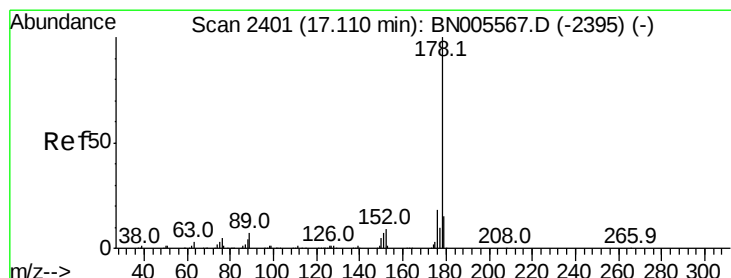
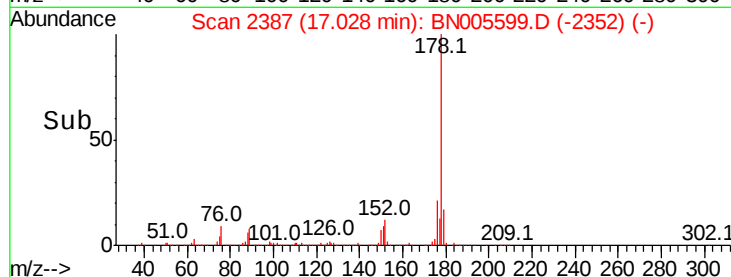
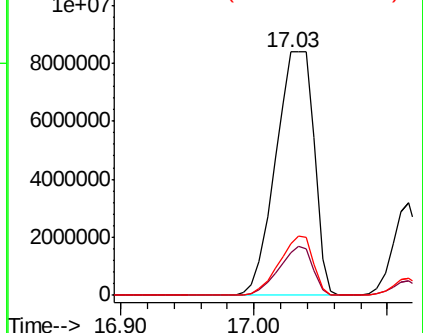
176 21.2 15.1 22.7



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



#71

Anthracene

Concen: 72.906 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

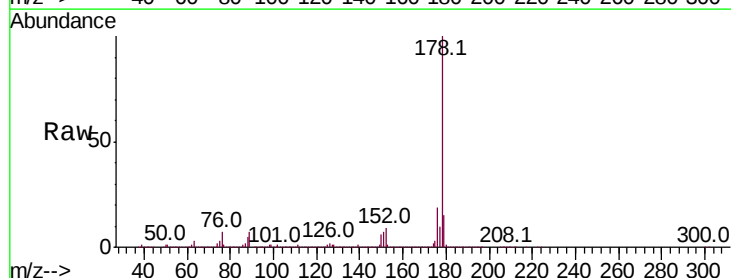
Tgt Ion:178 Resp: 4313932

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

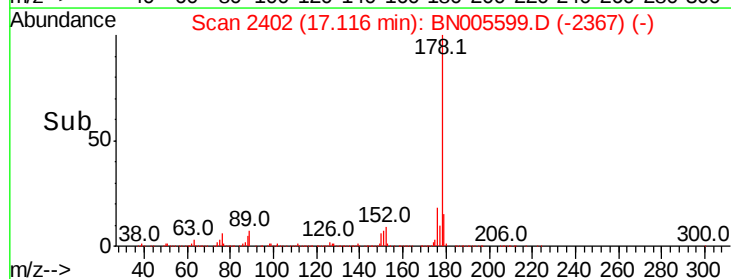
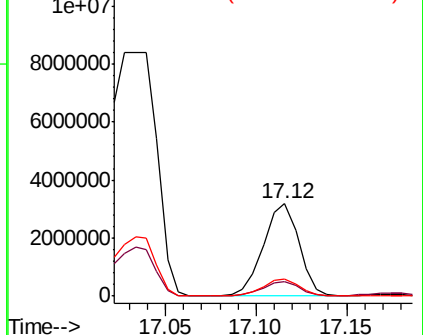
176 18.5 15.1 22.7

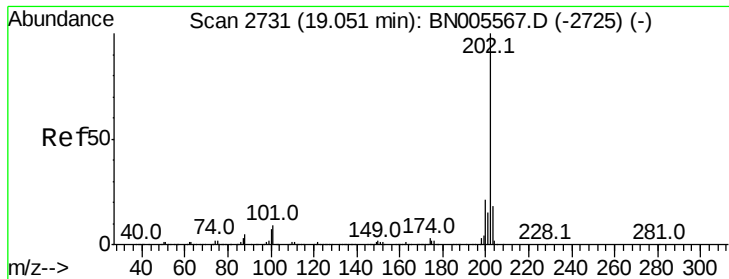


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 121.861 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.00 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Instrument :

BNA_N

ClientSampleId :

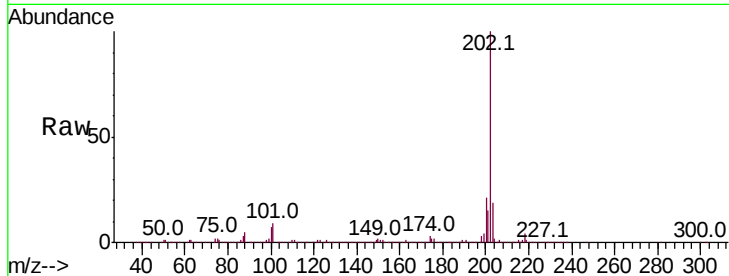
Tot Ion:202 Resp: 7851212

Ion Ratio Lower Upper

202 100

101 9.3 8.6 12.8

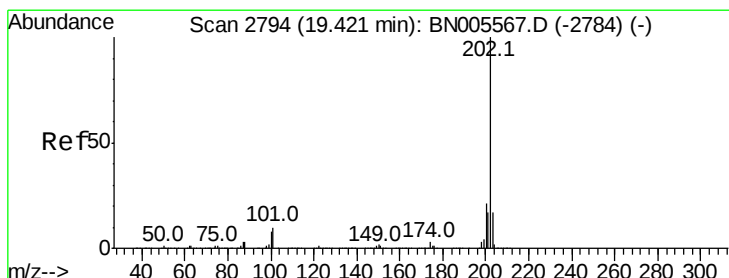
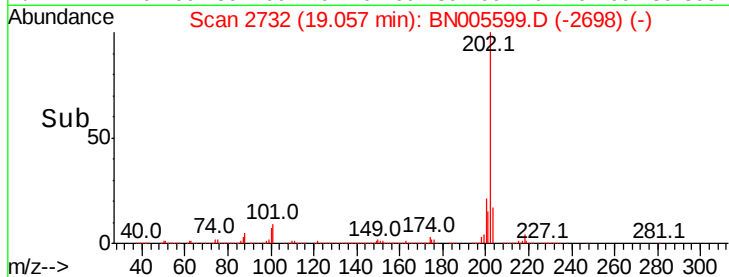
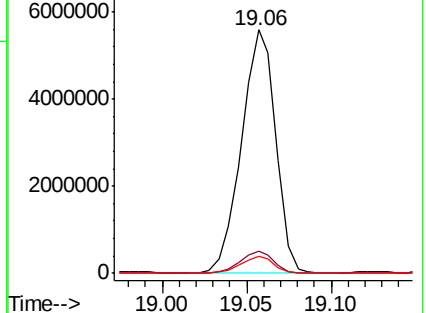
100 7.1 6.3 9.5



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: 187.198 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

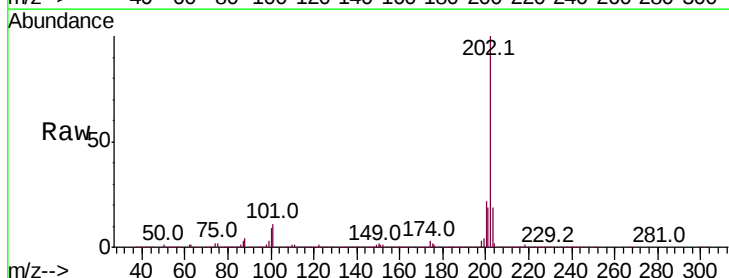
Tgt Ion:202 Resp:10551504

Ion Ratio Lower Upper

202 100

101 11.4 10.3 15.5

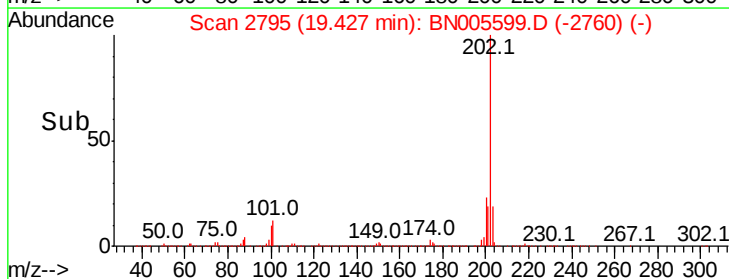
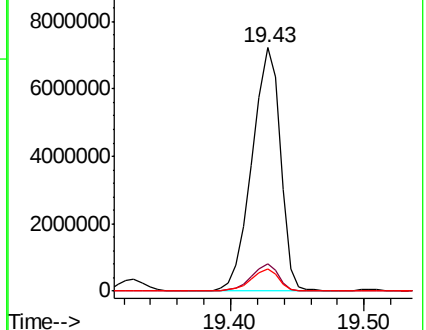
100 9.3 7.9 11.9

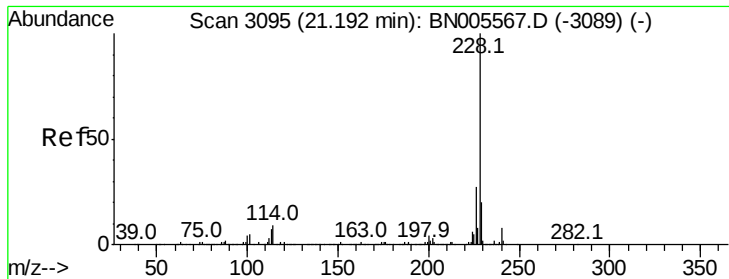


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

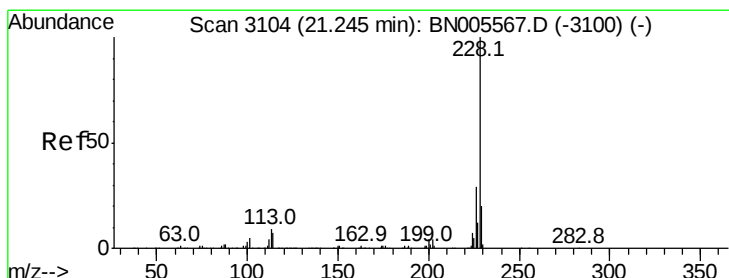
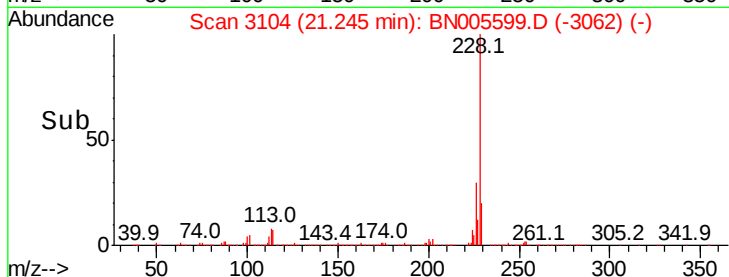
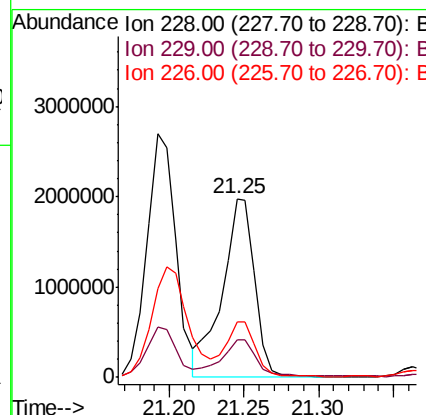
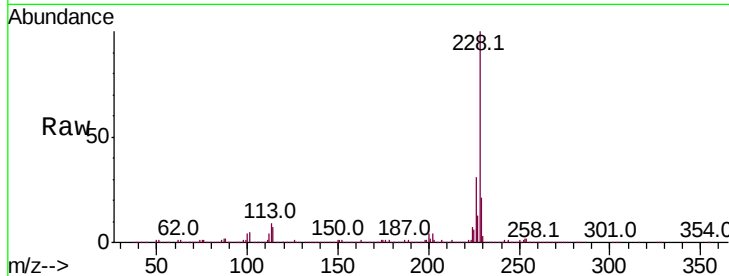




#82
Benzo(a)anthracene
Concen: 54.796 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. 0.05 min
Lab File: BN005599.D
Acq: 10 May 2019 21:23

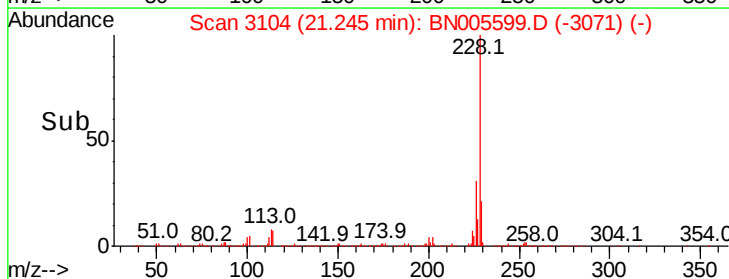
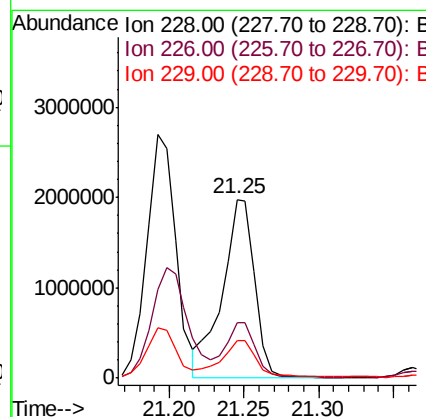
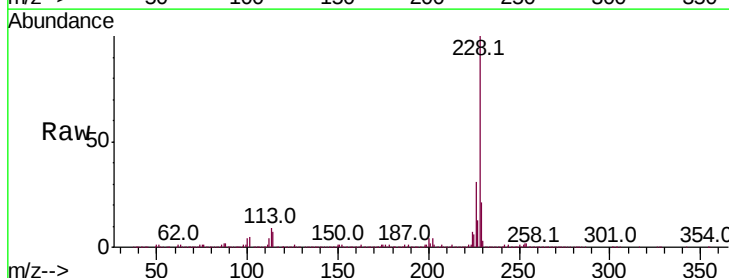
Instrument :
BNA_N
ClientSampleId :

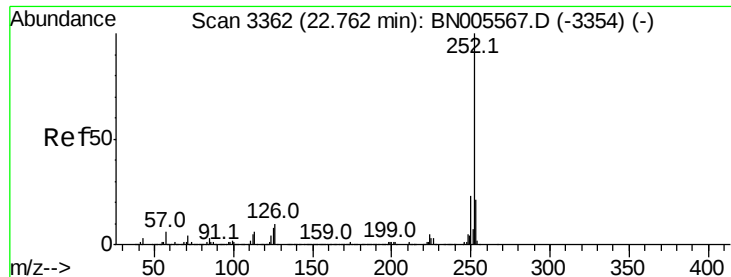
Tot Ion:228 Resp: 2984189
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.6
226 31.2 21.4 32.2



#84
Chrysene
Concen: 59.170 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN005599.D
Acq: 10 May 2019 21:23

Tgt Ion:228 Resp: 2990693
Ion Ratio Lower Upper
228 100
226 31.2 24.0 36.0
229 20.9 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 43.006 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Instrument :

BNA_N

ClientSampled :

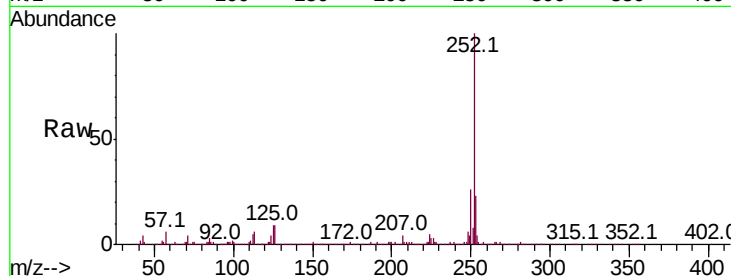
Tot Ion:252 Resp: 2090074

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 8.6 8.4 12.6

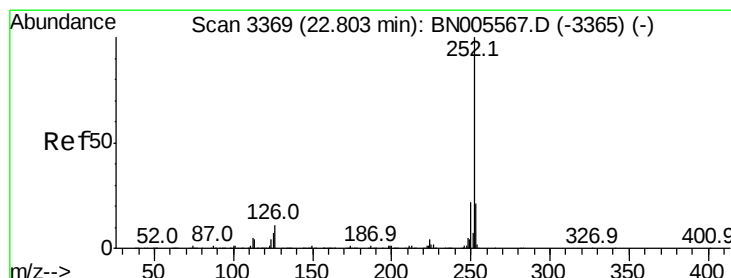
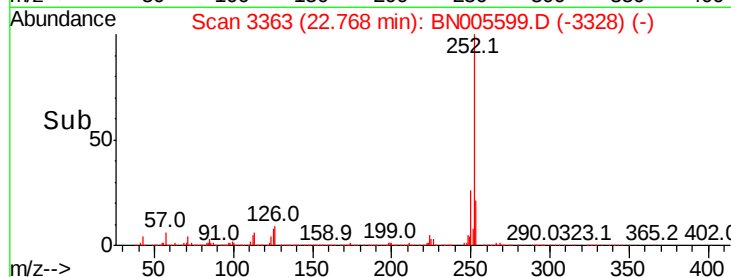
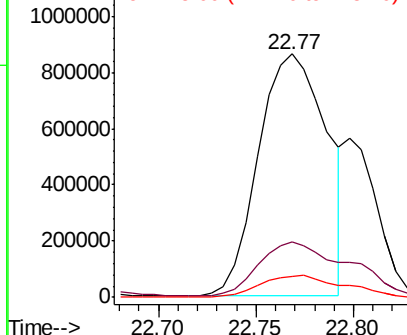


Abundance

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: 45.030 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.04 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

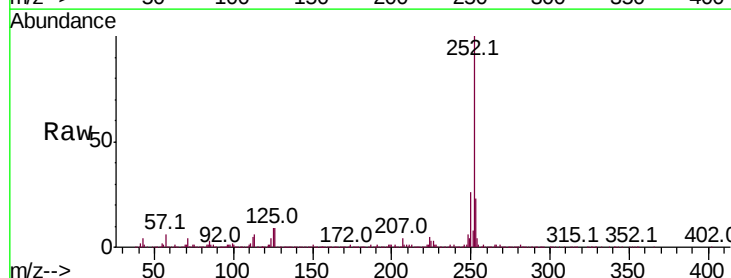
Tgt Ion:252 Resp: 2090074

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 8.6 7.5 11.3

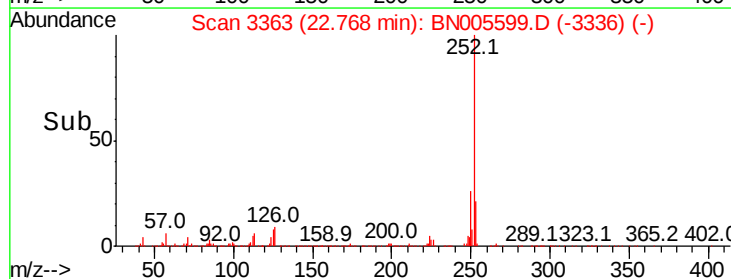
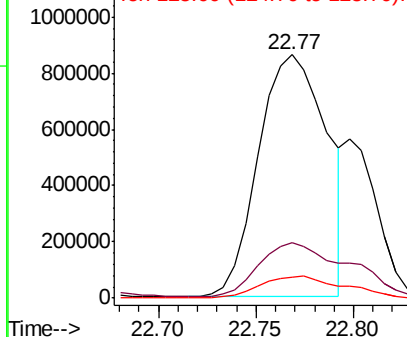


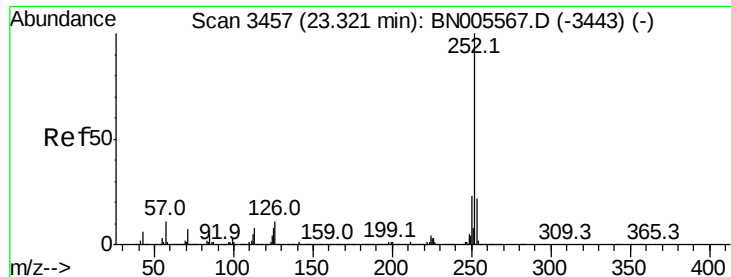
Abundance

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: 25.822 ng/ul

RT: 23.23 min Scan# 3441

Delta R.T. -0.10 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Instrument :

BNA_N

ClientSampleId :

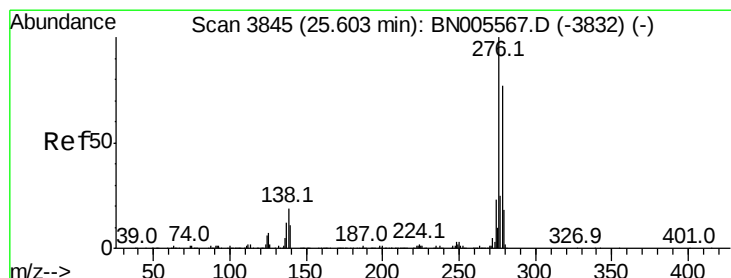
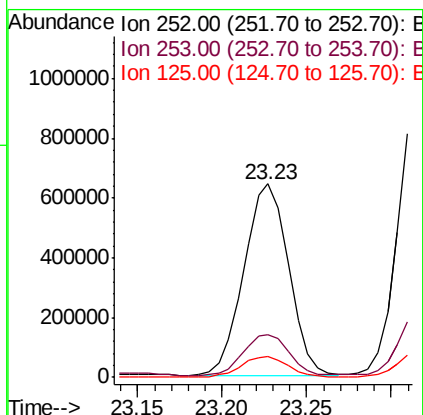
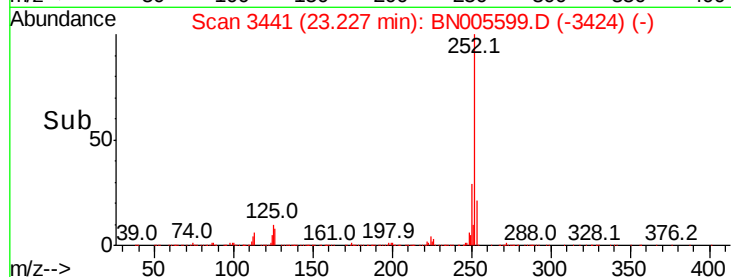
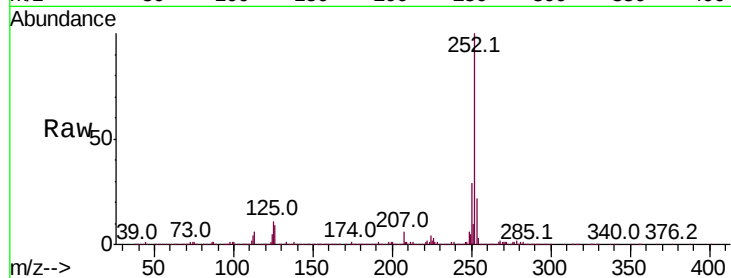
Tot Ion:252 Resp: 1179577

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	10.5	8.6	13.0

252 100

253 22.3 17.3 25.9

125 10.5 8.6 13.0



#91

Indeno(1,2,3-cd)pyrene

Concen: 17.981 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

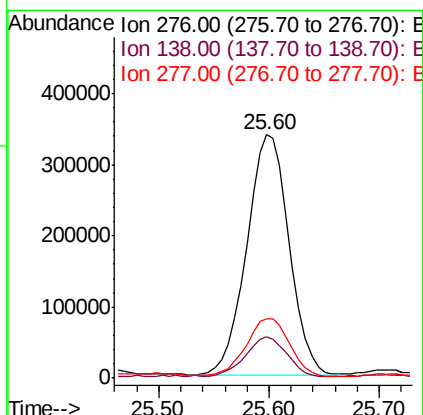
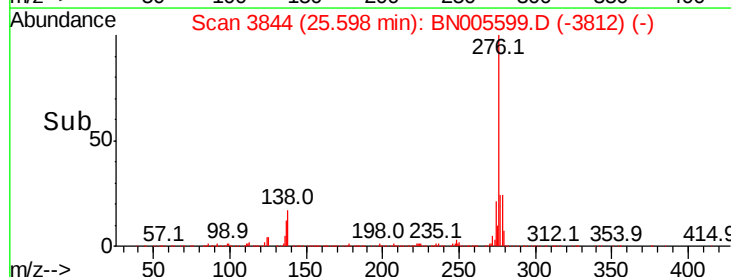
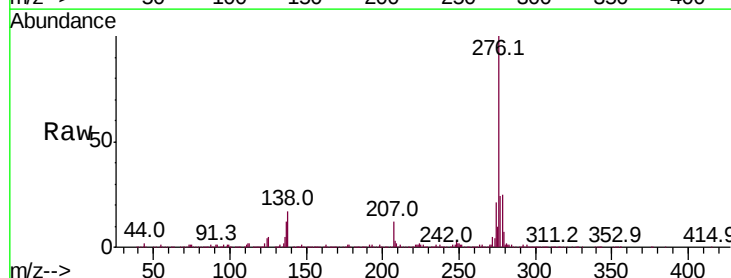
Tgt Ion:276 Resp: 908149

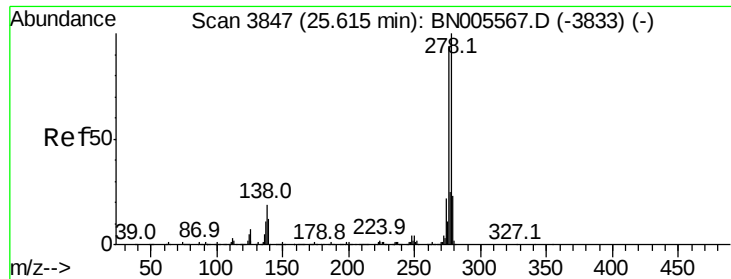
Ion	Ratio	Lower	Upper
276	100		
138	17.2	17.9	26.9#
277	24.1	19.7	29.5

276 100

138 17.2 17.9 26.9#

277 24.1 19.7 29.5





#92

Dibenzo(a,h)anthracene

Concen: 6.368 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. -0.02 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

Instrument :

BNA_N

ClientSampleId :

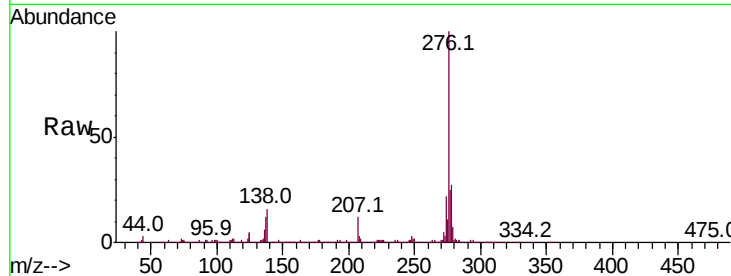
Tot Ion:278 Resp: 272951

Ion Ratio Lower Upper

278 100

139 0.0 13.1 19.7#

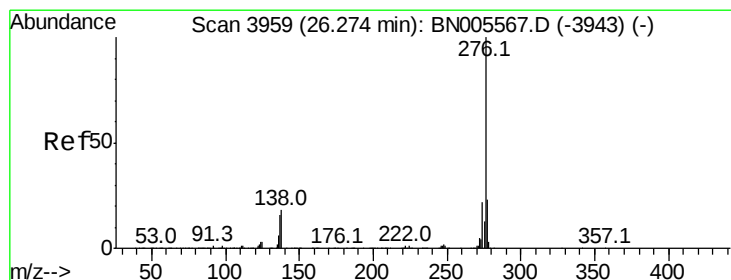
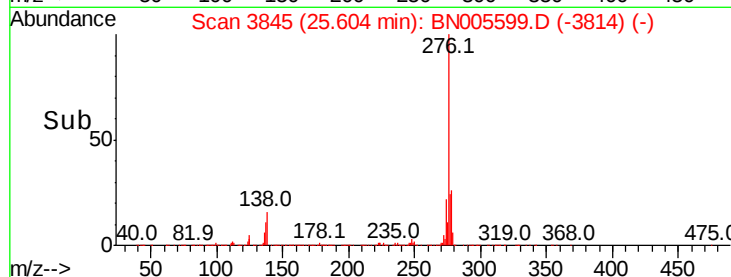
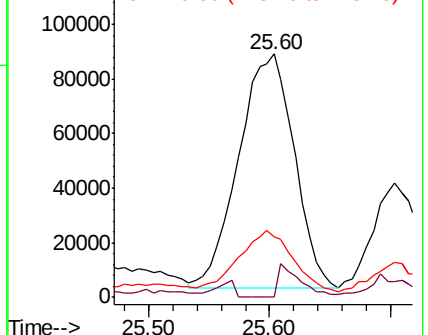
279 25.0 19.4 29.0



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(g,h,i)perylene

Concen: 21.425 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BN005599.D

Acq: 10 May 2019 21:23

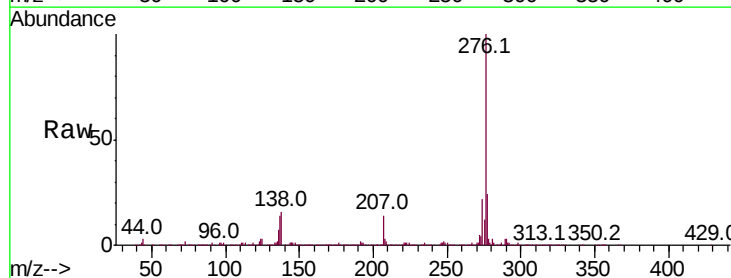
Tgt Ion:276 Resp: 894727

Ion Ratio Lower Upper

276 100

138 16.0 16.7 25.1#

277 23.5 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

