

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
 Data File : BN005471.D
 Acq On : 04 May 2019 03:00
 Operator : JU/SJ
 Sample : K2603-10DL 30X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ62DL

Quant Time: May 06 01:11:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	250045	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1055907	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	635218	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1407587	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1175655	20.00	ng/ul	-0.01
85) Perylene-d12	23.40	264	1208081	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	669	0.13	ng/uL	0.02
5) Phenol-d5	6.78	99	12586	0.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	9489	0.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	11918	0.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	10407	0.68	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	6751	1.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	6064	0.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	11500	0.76	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	6801	0.44	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	45937	1.00	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	54242	0.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	714	0.10	ng/ul	0.00
57) Fluorene-d10	15.22	176	45804	1.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	883	0.14	ng/ul	0.01
70) Anthracene-d10	17.07	188	67134	1.14	ng/ul	0.00
78) Pyrene-d10	19.39	212	69444	1.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	54280	1.03	ng/ul	-0.01

Target Compounds

					Qvalue	
17) Hexachloroethane	8.68	117	11281	1.672	ng/ul#	6
28) Naphthalene	10.40	128	8715601	177.553	ng/ul	100
30) 4-Chloroaniline	10.40	127	1167981	73.625	ng/ul#	8
34) 2-Methylnaphthalene	12.02	142	2099680	58.418	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	293637	6.204	ng/ul	98
47) Acenaphthylene	13.94	152	1052947	18.918	ng/ul	98
49) Acenaphthene	14.29	153	789976	20.790	ng/ul	99
53) Dibenzofuran	14.63	168	170265	3.112	ng/ul	100
58) Fluorene	15.28	166	1050856	24.617	ng/ul	97
60) 4-Nitroaniline	15.28	138	11301	1.229	ng/ul#	20
69) Phenanthrene	17.02	178	4987292	72.752	ng/ul	99
71) Anthracene	17.11	178	1328468	19.023	ng/ul	99
74) Carbazole	17.39	167	71540	1.193	ng/ul	97
76) Fluoranthene	19.05	202	2163639	28.455	ng/ul	96
79) Pyrene	19.42	202	3027412	39.994	ng/ul#	94
82) Benzo(a)anthracene	21.25	228	812954	11.115	ng/ul	95
84) Chrysene	21.25	228	813166	11.980	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	617687	9.096	ng/ul	99
88) Benzo(k)fluoranthene	22.76	252	617687	9.524	ng/ul	99
90) Benzo(a)pyrene	23.22	252	354313	5.551	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	278365	3.944	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.59	278	78054	1.303	ng/ul	97
93) Benzo(g,h,i)perylene	26.25	276	280762	4.811	ng/ul#	93

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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

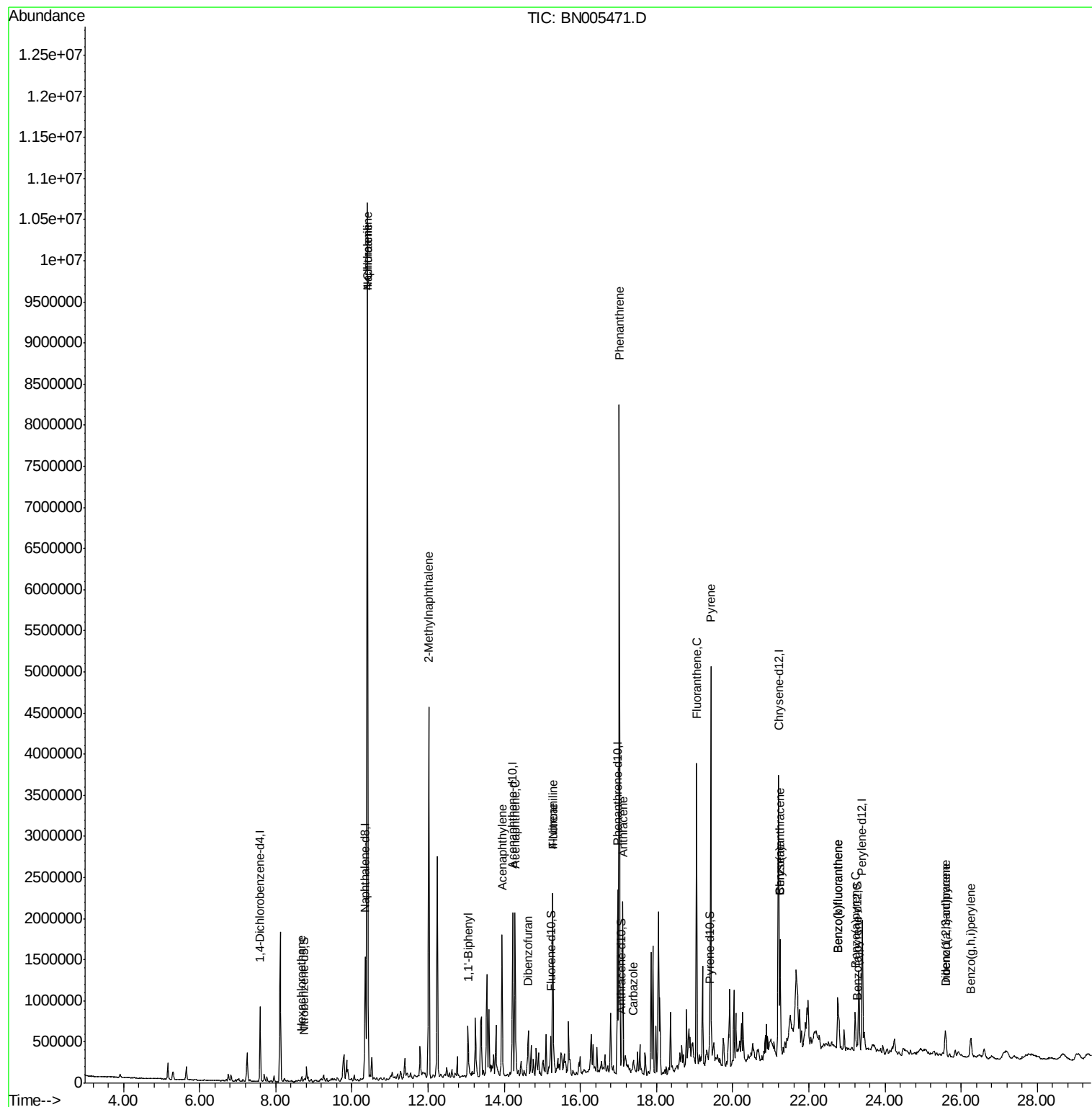
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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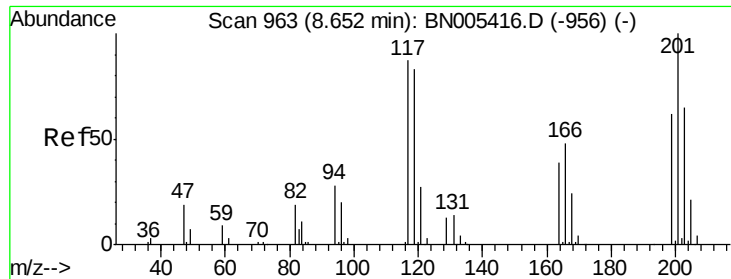
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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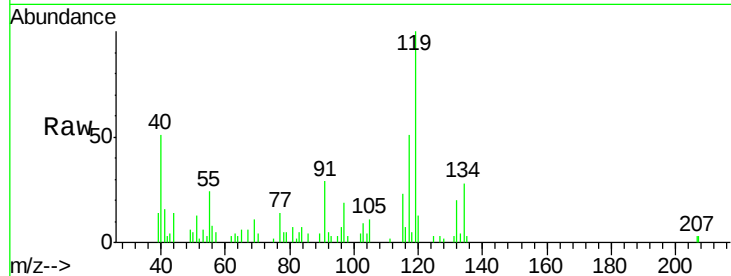




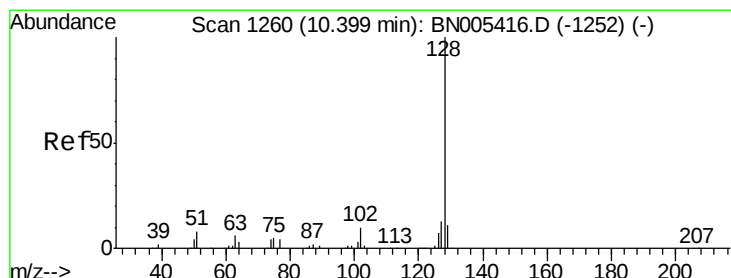
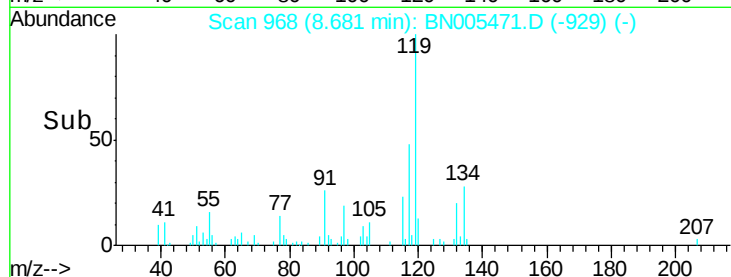
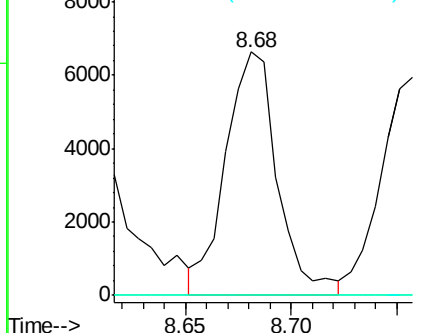
#17
Hexachloroethane
Concen: 1.672 ng/ul
RT: 8.68 min Scan# 968
Delta R.T. 0.03 min
Lab File: BN005471.D
Acq: 04 May 2019 03:00

Instrument :
BNA_N
ClientSampleId :
GAJ62DL

Tgt Ion:117 Resp: 11281
Ion Ratio Lower Upper
117 100
201 0.0 84.1 126.1#
199 0.0 51.2 76.8#

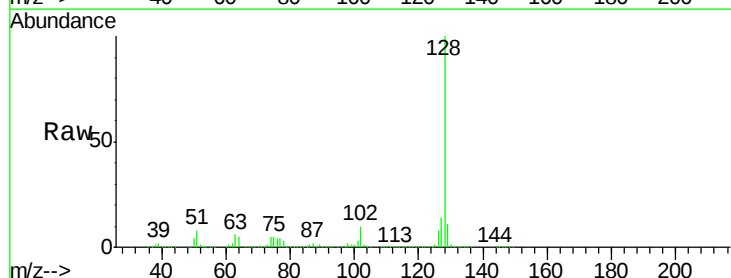


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

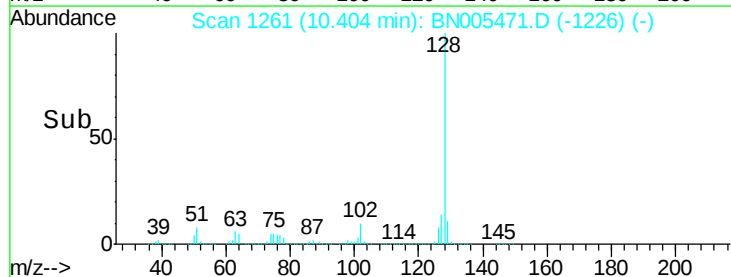
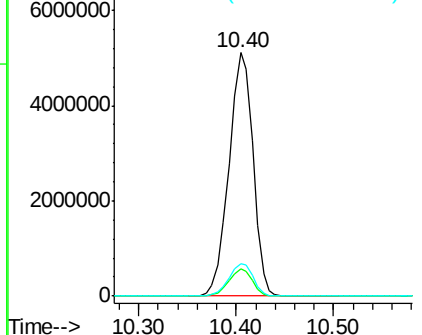


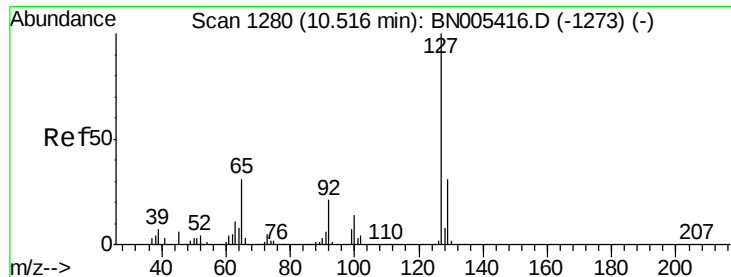
#28
Naphthalene
Concen: 177.553 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BN005471.D
Acq: 04 May 2019 03:00

Tgt Ion:128 Resp: 8715601
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.5 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

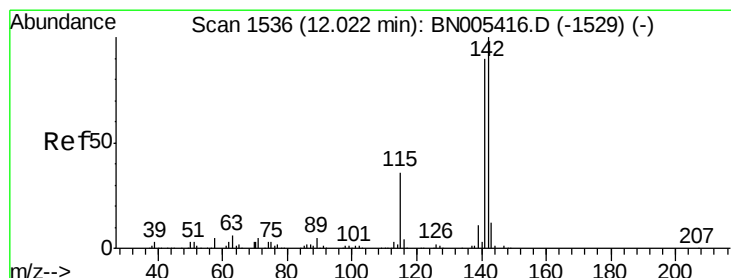
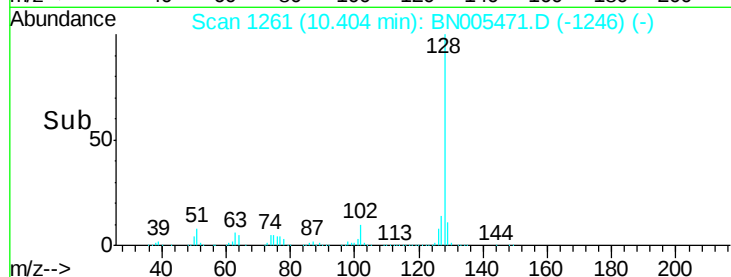
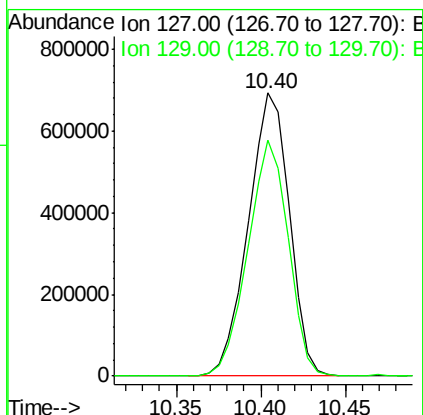
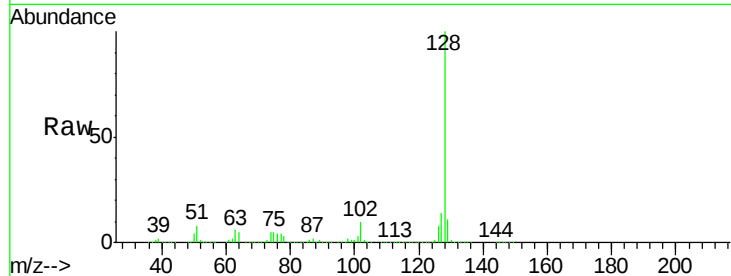




#30
4-Chloroaniline
Concen: 73.625 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.11 min
Lab File: BN005471.D
Acq: 04 May 2019 03:00

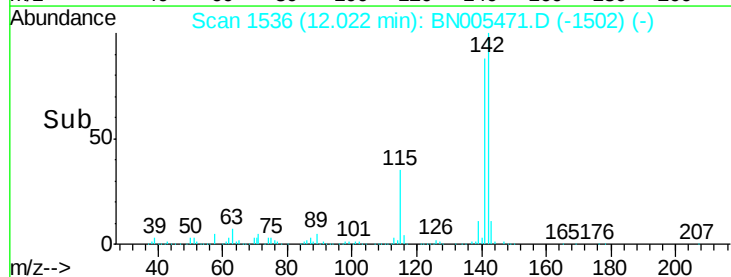
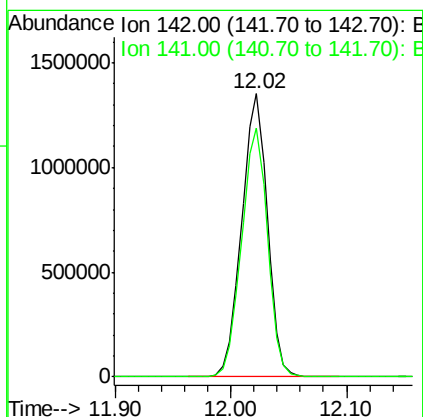
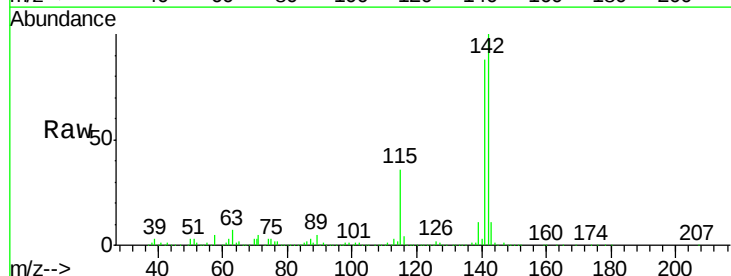
Instrument :
BNA_N
ClientSampleId :
GAJ62DL

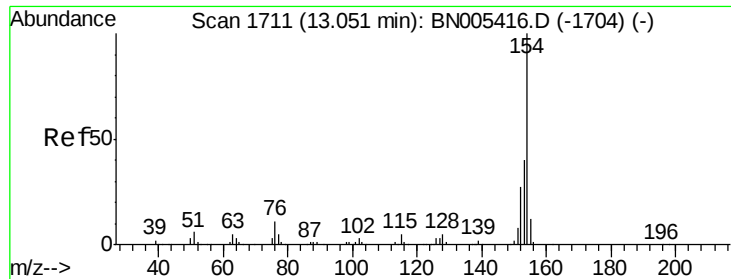
Tgt Ion:127 Resp: 1167981
Ion Ratio Lower Upper
127 100
129 83.5 25.8 38.6#



#34
2-Methylnaphthalene
Concen: 58.418 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BN005471.D
Acq: 04 May 2019 03:00

Tgt Ion:142 Resp: 2099680
Ion Ratio Lower Upper
142 100
141 88.0 72.0 108.0

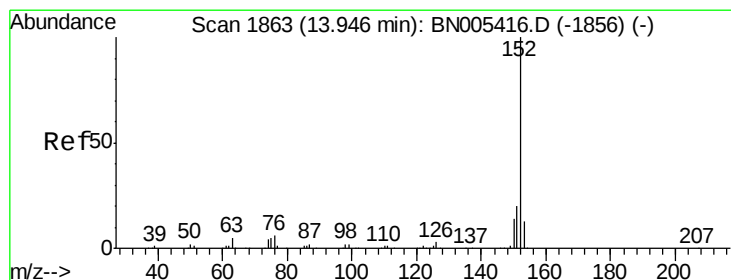
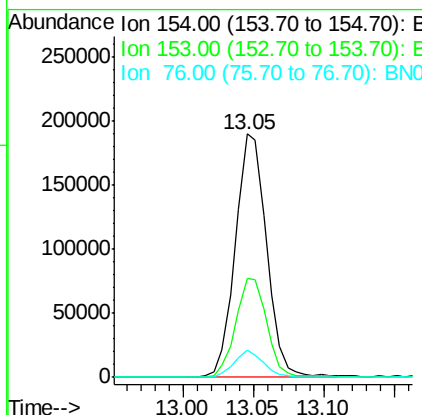
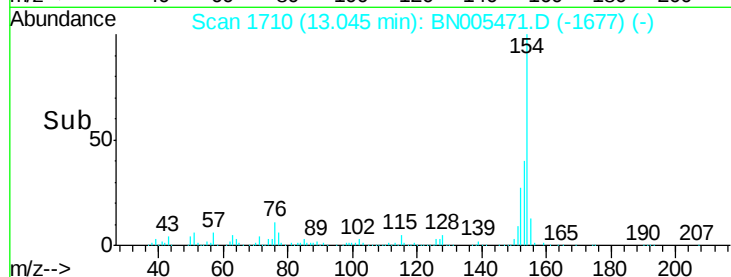
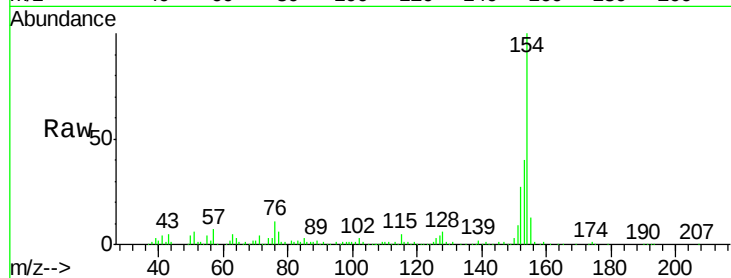




#40
1,1'-Biphenyl
Concen: 6.204 ng/ul
RT: 13.05 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BN005471.D
Acq: 04 May 2019 03:00

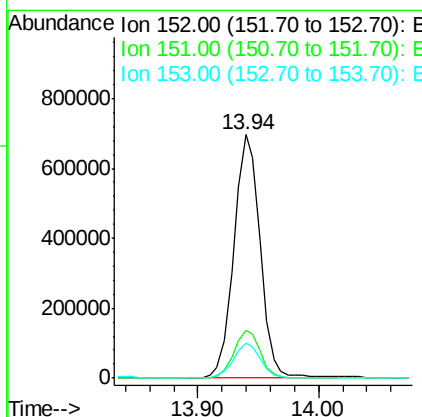
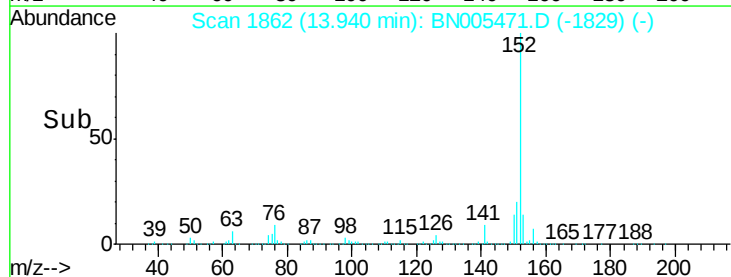
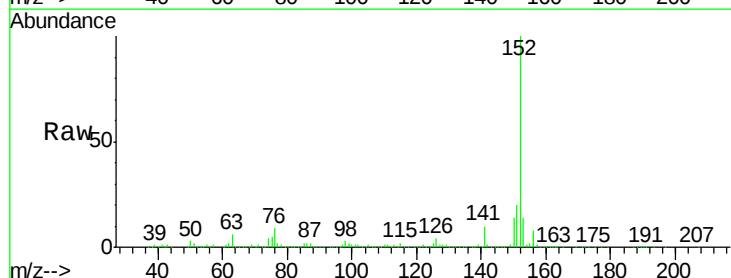
Instrument :
BNA_N
ClientSampleId :
GAJ62DL

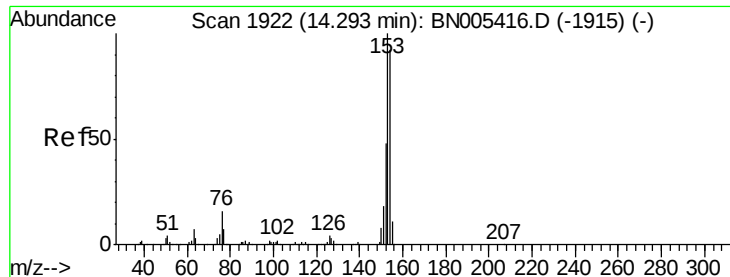
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	32.6	49.0
76	11.1	10.4	15.6



#47
Acenaphthylene
Concen: 18.918 ng/ul
RT: 13.94 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BN005471.D
Acq: 04 May 2019 03:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	14.4	9.8	14.8





#49

Acenaphthene

Concen: 20.790 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

Instrument :

BNA_N

ClientSampleId :

GAJ62DL

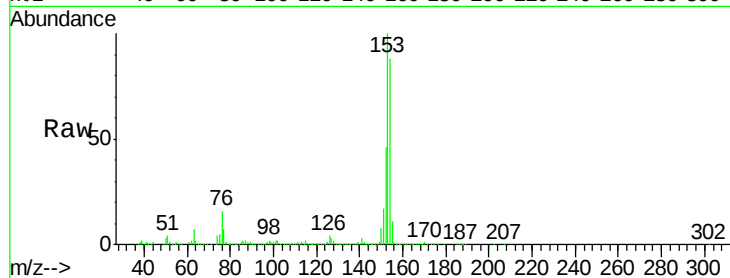
Tgt Ion:153 Resp: 789976

Ion Ratio Lower Upper

153 100

152 46.0 37.4 56.0

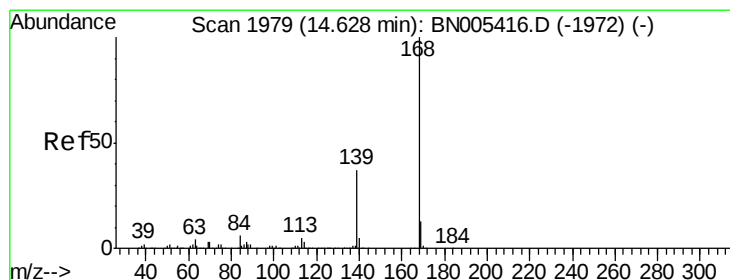
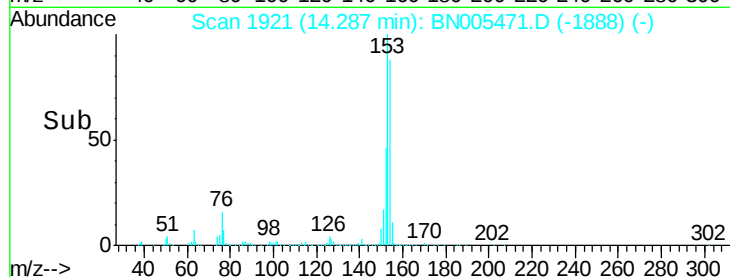
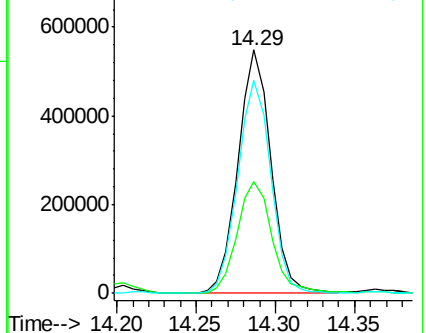
154 87.7 71.2 106.8



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: 3.112 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BN005471.D

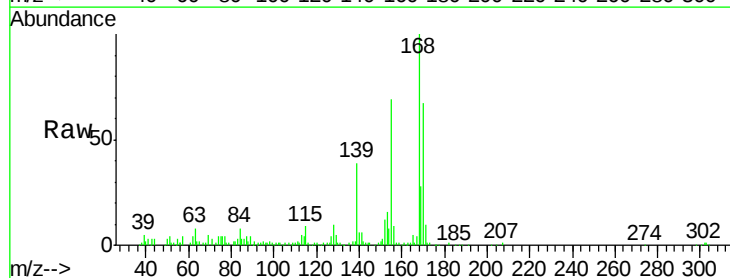
Acq: 04 May 2019 03:00

Tgt Ion:168 Resp: 170265

Ion Ratio Lower Upper

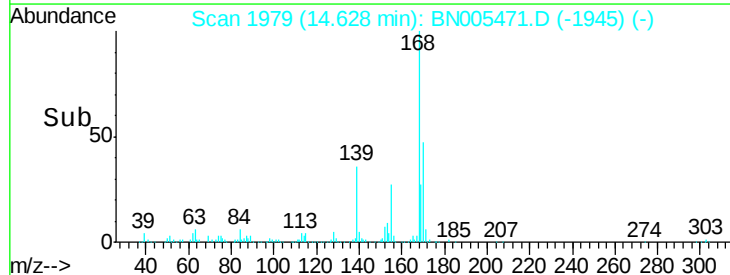
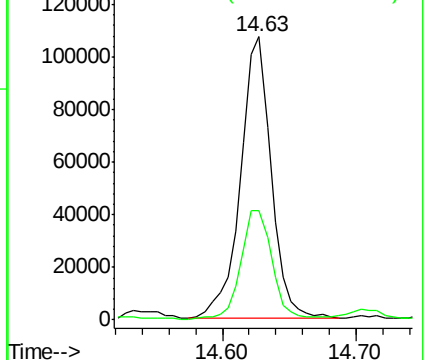
168 100

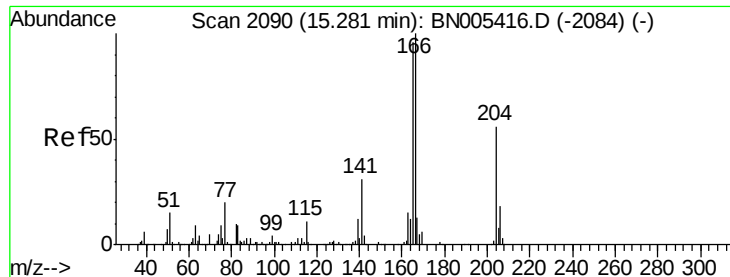
139 38.7 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 24.617 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

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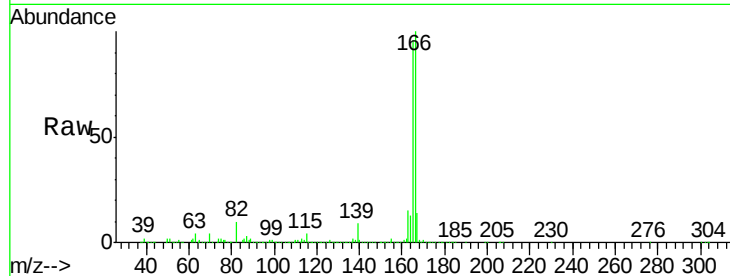
Tgt Ion:166 Resp: 1050856

Ion Ratio Lower Upper

166 100

165 96.3 80.0 120.0

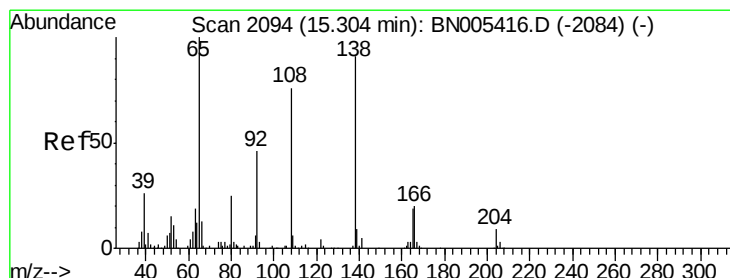
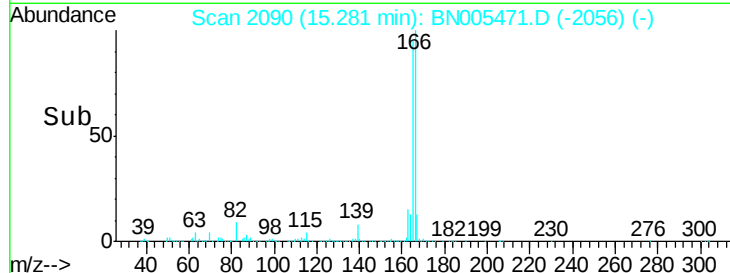
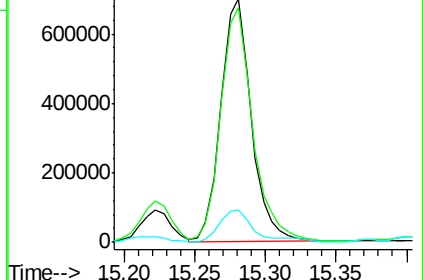
167 13.5 10.7 16.1



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



#60

4-Nitroaniline

Concen: 1.229 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.02 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

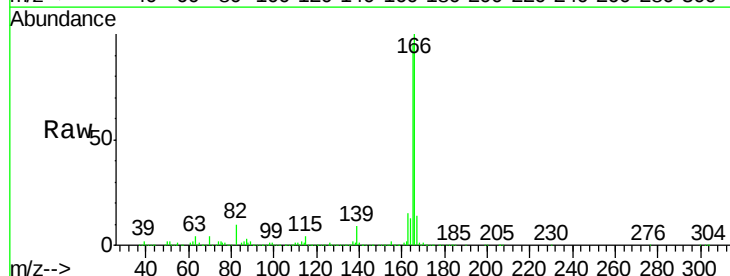
Tgt Ion:138 Resp: 11301

Ion Ratio Lower Upper

138 100

92 8.1 45.3 67.9#

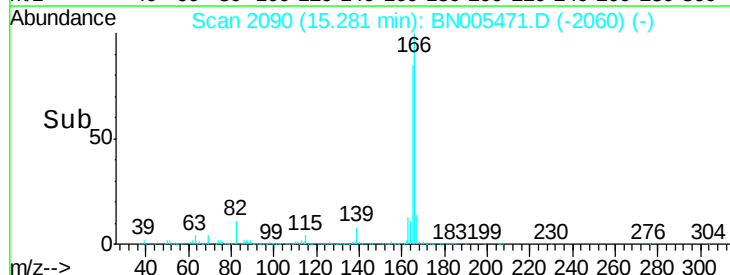
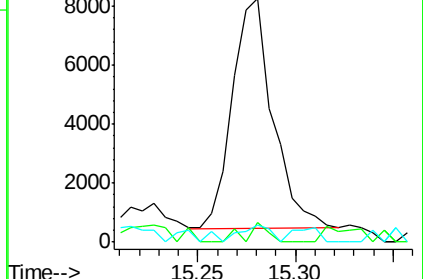
108 7.1 73.2 109.8#

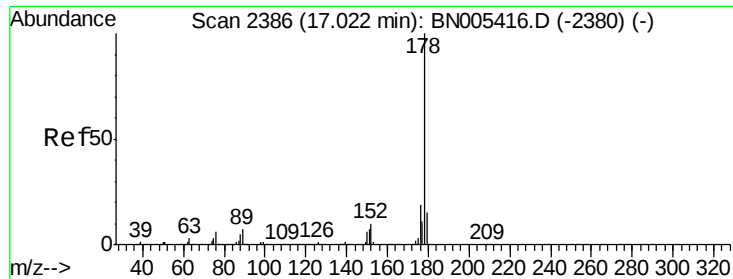


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 72.752 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

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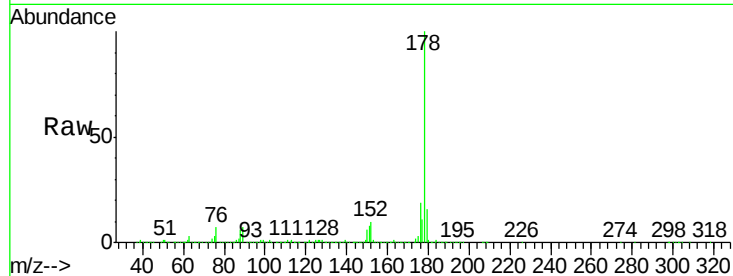
Tgt Ion:178 Resp: 4987292

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

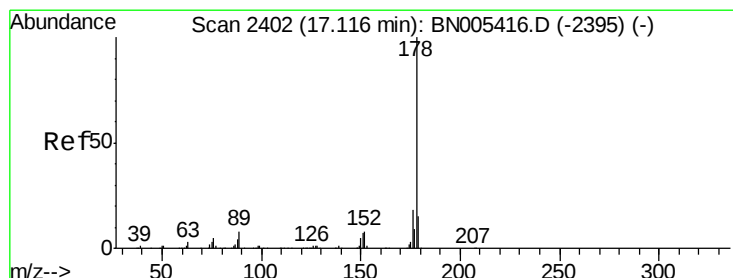
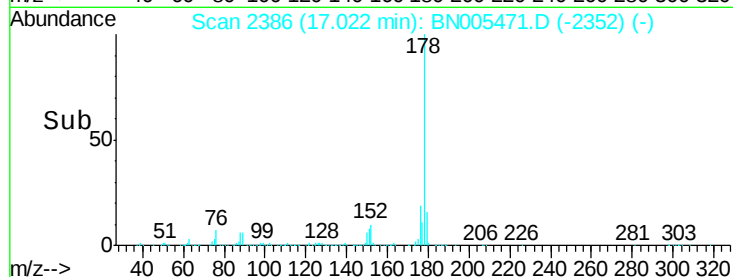
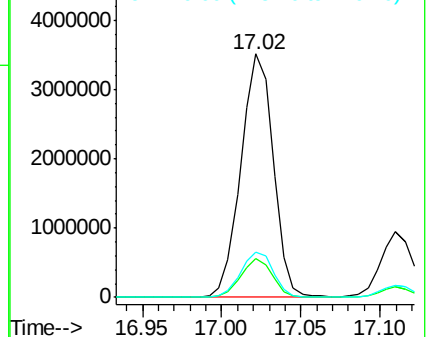
176 18.7 15.1 22.7



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: 19.023 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

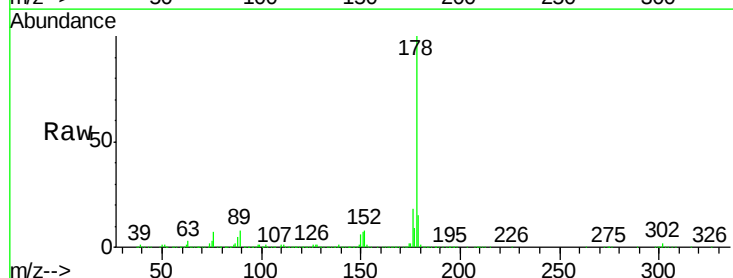
Tgt Ion:178 Resp: 1328468

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

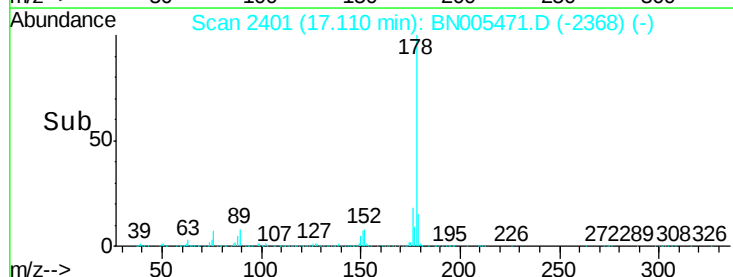
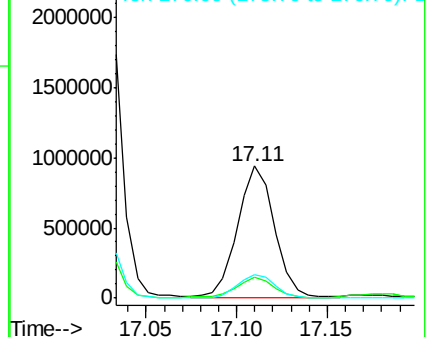
176 17.9 15.1 22.7

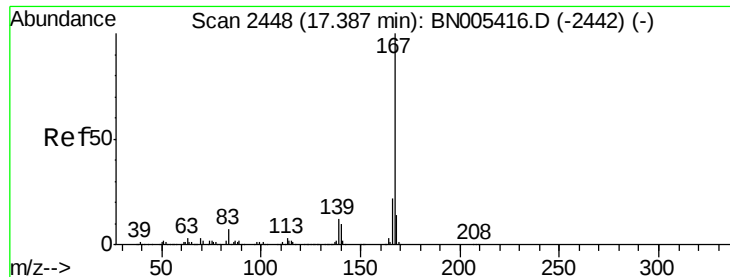


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.193 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. -0.00 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

Instrument :

BNA_N

ClientSampleId :

GAJ62DL

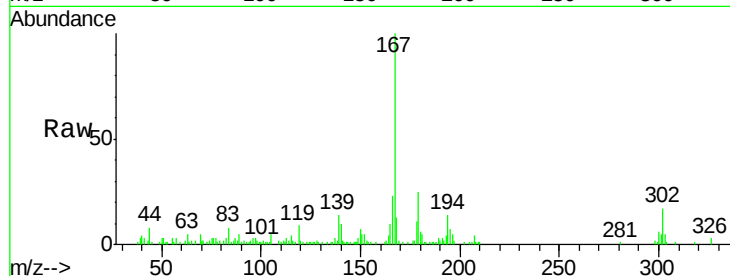
Tgt Ion:167 Resp: 71540

Ion Ratio Lower Upper

167 100

166 22.9 17.2 25.8

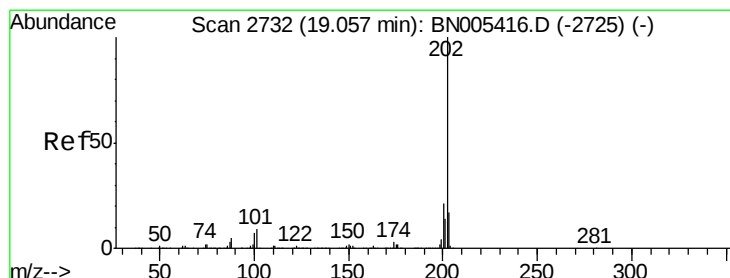
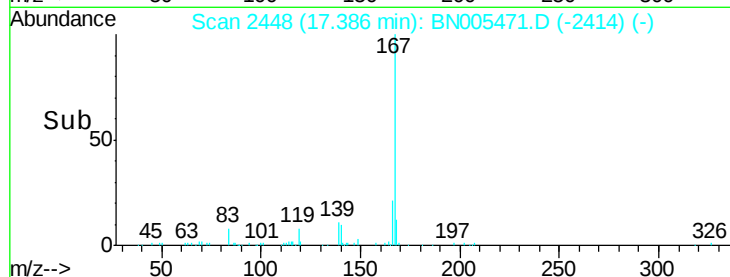
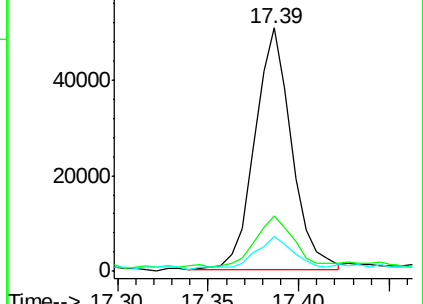
139 14.2 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 28.455 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

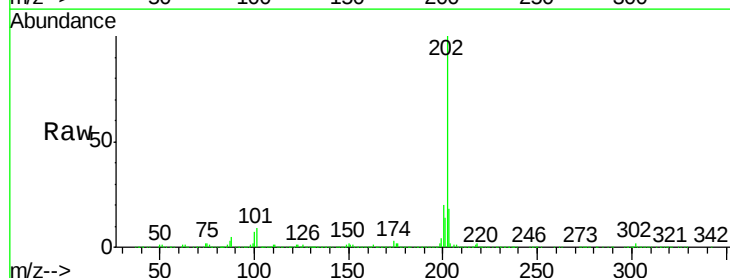
Tgt Ion:202 Resp: 2163639

Ion Ratio Lower Upper

202 100

101 9.0 8.6 12.8

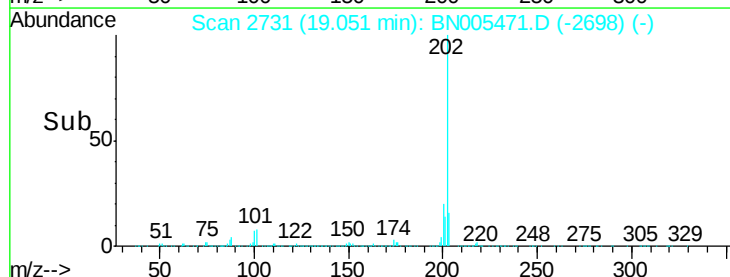
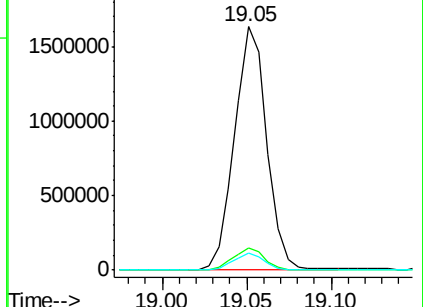
100 6.8 6.3 9.5

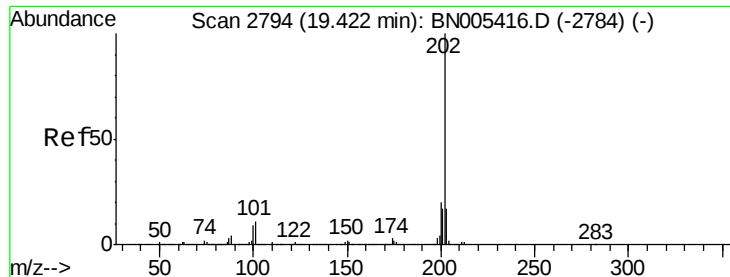


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 39.994 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

Instrument :

BNA_N

ClientSampleId :

GAJ62DL

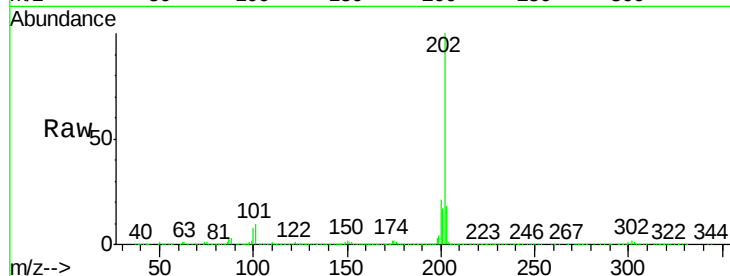
Tgt Ion:202 Resp: 3027412

Ion Ratio Lower Upper

202 100

101 10.1 10.3 15.5#

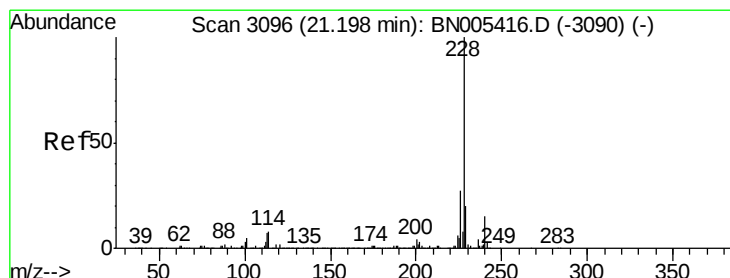
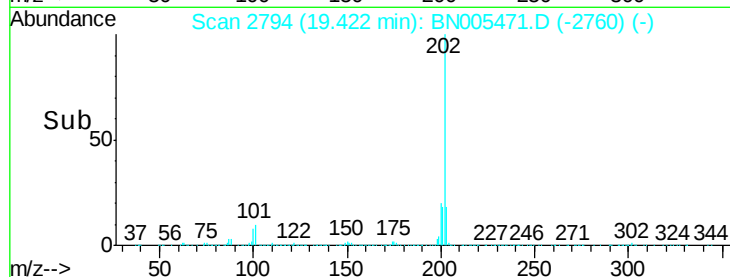
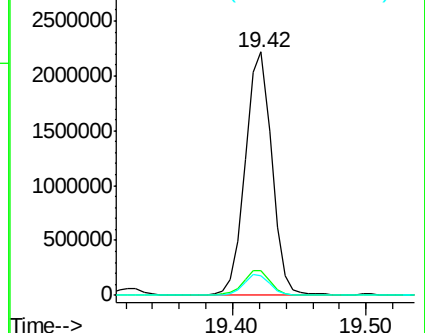
100 8.2 7.9 11.9



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: 11.115 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. 0.05 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

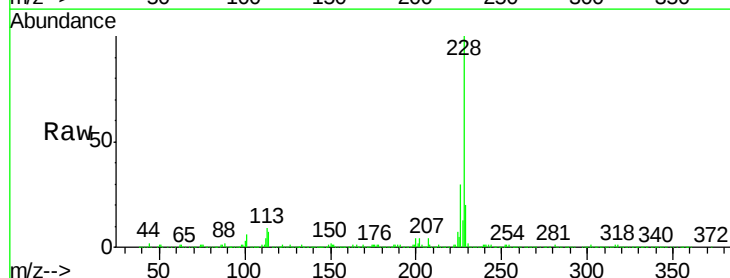
Tgt Ion:228 Resp: 812954

Ion Ratio Lower Upper

228 100

229 20.3 15.8 23.6

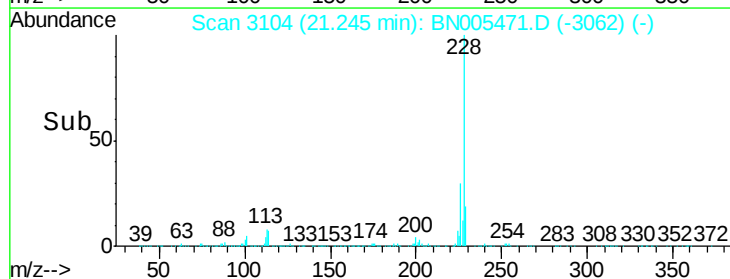
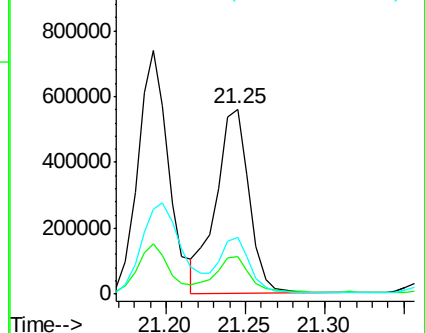
226 30.5 21.4 32.2

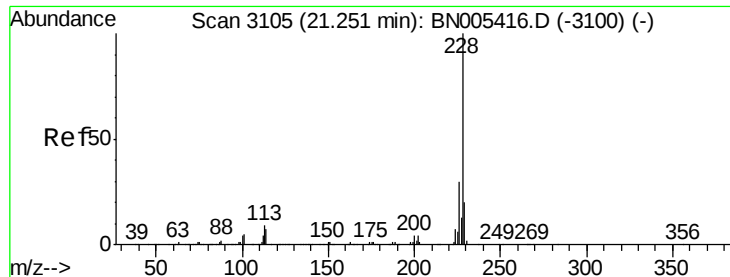


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 11.980 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

Instrument :

BNA_N

ClientSampleId :

GAJ62DL

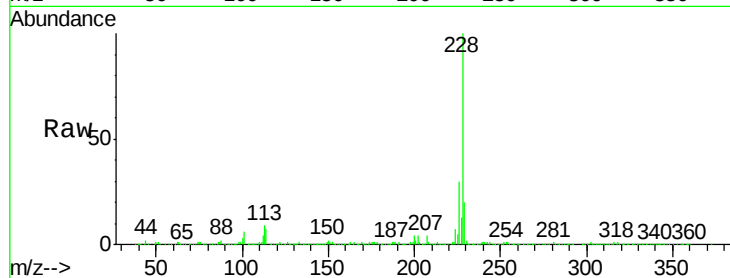
Tgt Ion:228 Resp: 813166

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

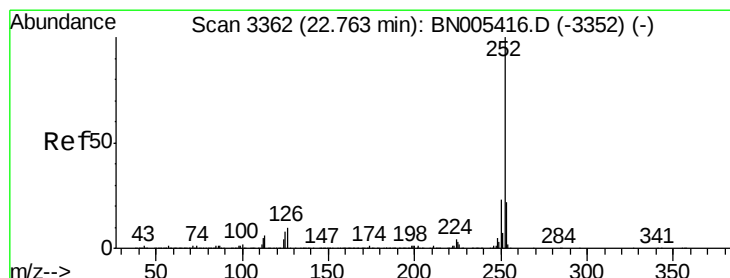
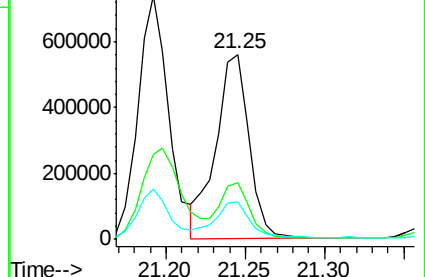
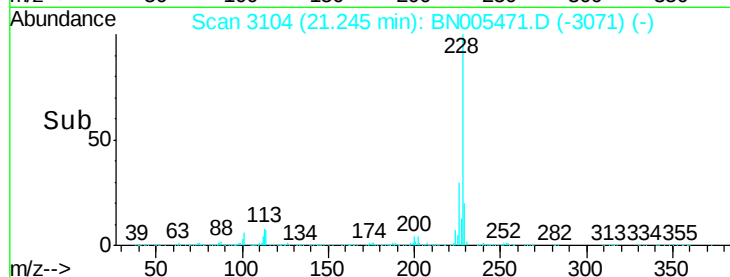
229 20.3 15.4 23.0



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: 9.096 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.01 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

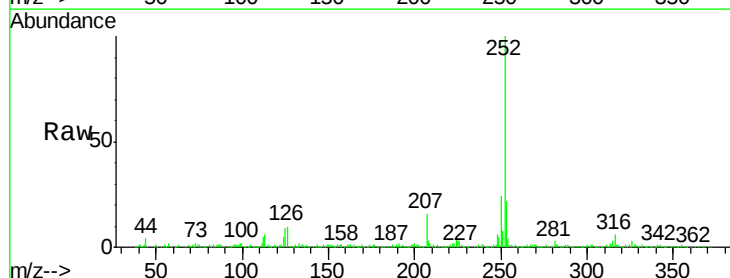
Tgt Ion:252 Resp: 617687

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

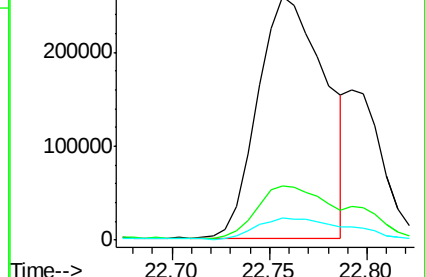
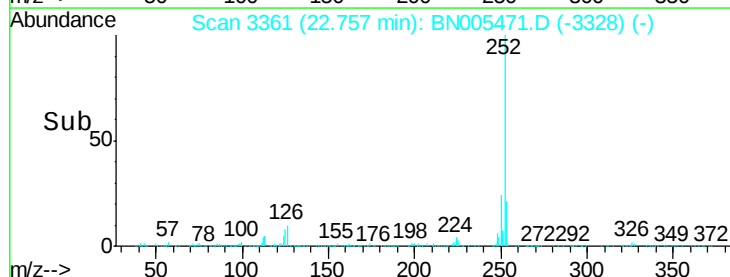
125 9.0 8.4 12.6

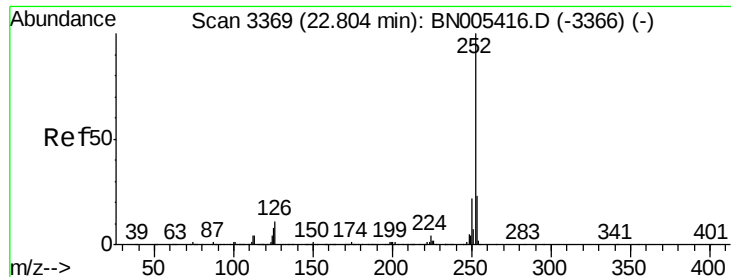


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 9.524 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.05 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

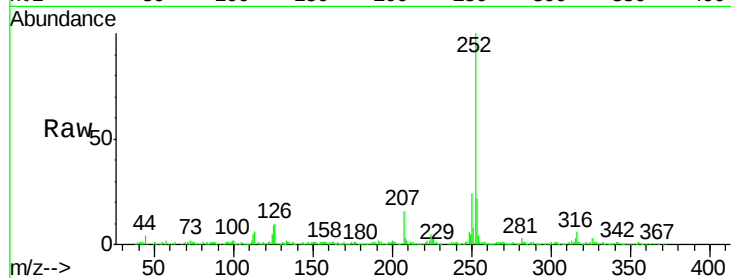
Instrument :

BNA_N

ClientSampleId :

GAJ62DL

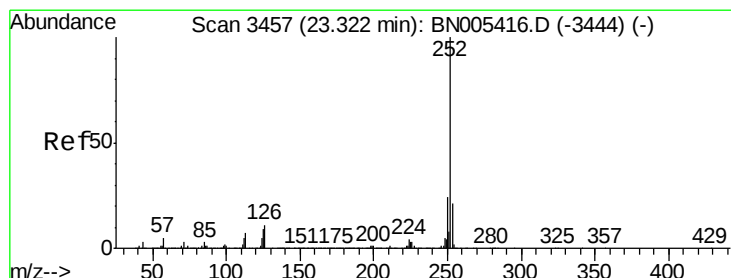
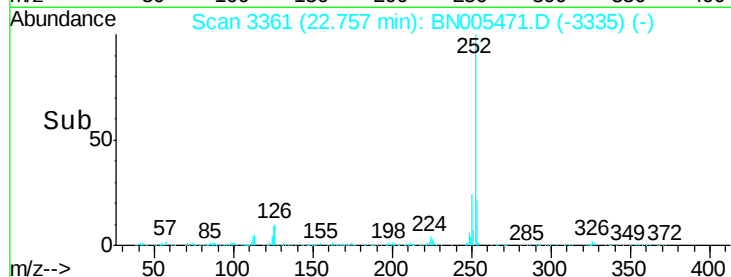
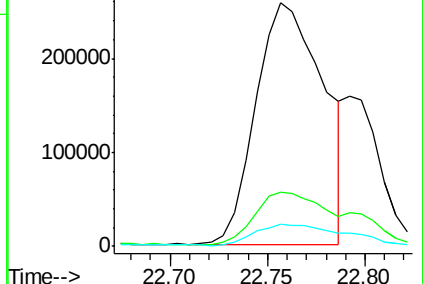
Tgt Ion:	252	Resp:	617687
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	9.0	7.5	11.3



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: 5.551 ng/ul

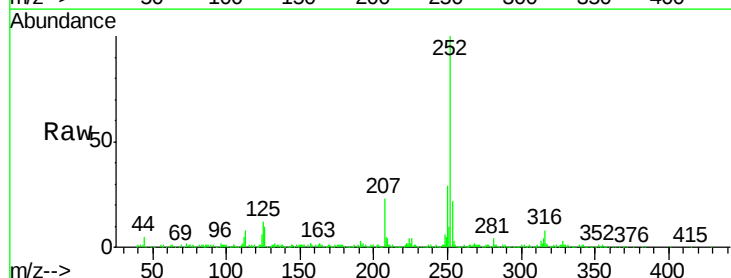
RT: 23.22 min Scan# 3439

Delta R.T. -0.11 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

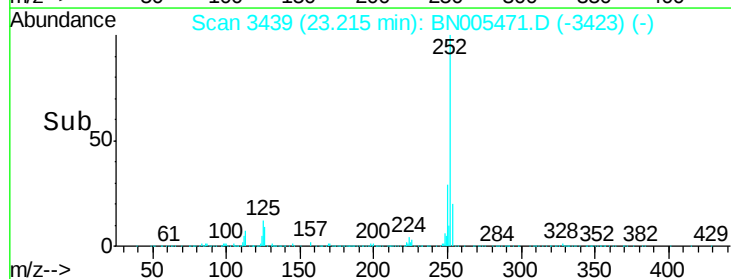
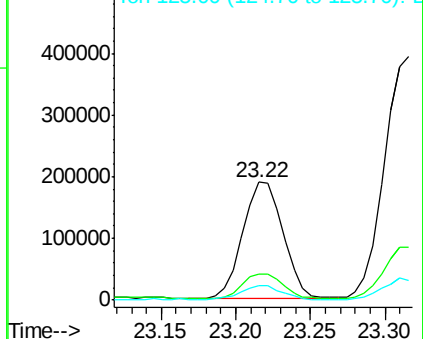
Tgt Ion:	252	Resp:	354313
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	12.1	8.6	13.0

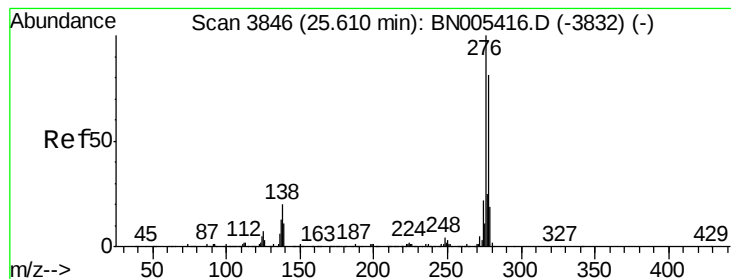


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 3.944 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.02 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

Instrument :

BNA_N

ClientSampleId :

GAJ62DL

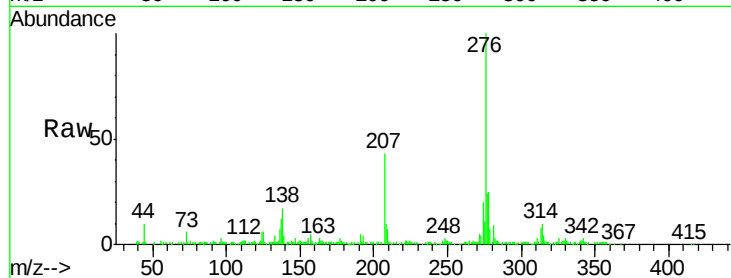
Tgt Ion: 276 Resp: 278365

Ion Ratio Lower Upper

276 100

138 17.0 17.9 26.9#

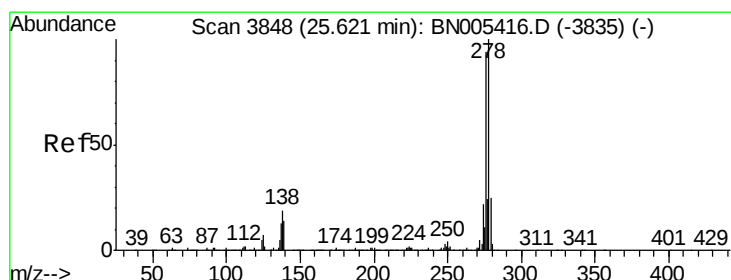
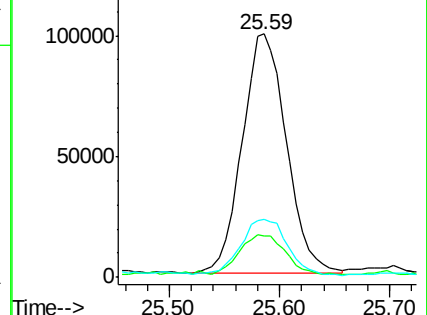
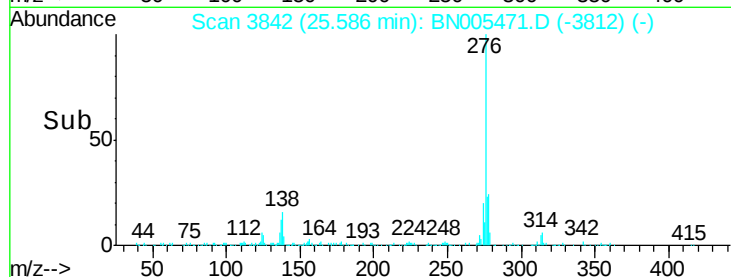
277 23.8 19.7 29.5



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: 1.303 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.04 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

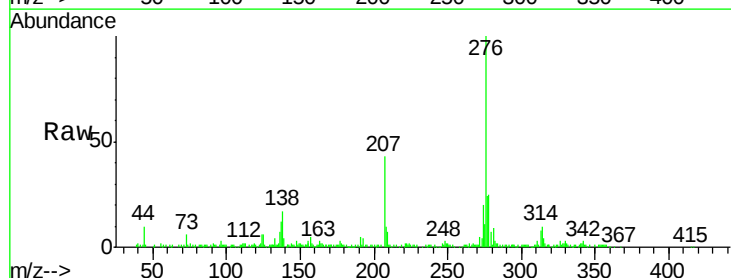
Tgt Ion: 278 Resp: 78054

Ion Ratio Lower Upper

278 100

139 16.9 13.1 19.7

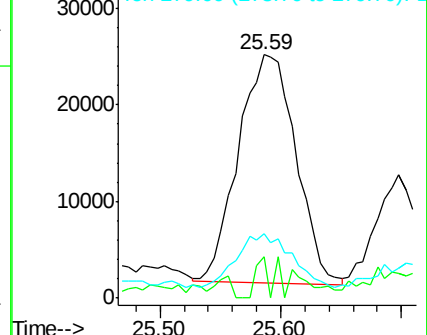
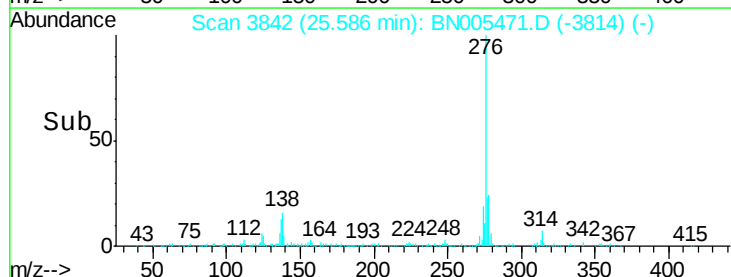
279 26.6 19.4 29.0

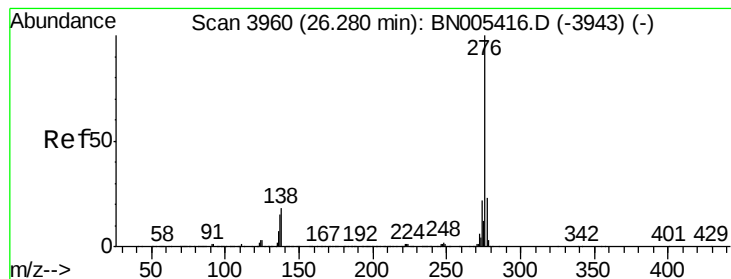


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.811 ng/ul

RT: 26.25 min Scan# 3955

Delta R.T. -0.03 min

Lab File: BN005471.D

Acq: 04 May 2019 03:00

Instrument :

BNA_N

ClientSampleId :

GAJ62DL

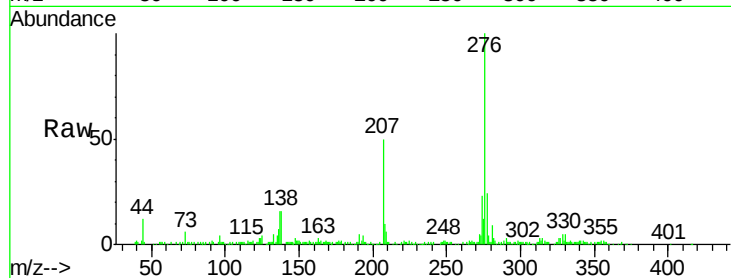
Tgt Ion: 276 Resp: 280762

Ion Ratio Lower Upper

276 100

138 16.0 16.7 25.1#

277 24.2 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

