

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
 Data File : BN005346.D
 Acq On : 27 Apr 2019 08:34
 Operator : JU/SJ
 Sample : K2455-03DL 25X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 29 02:23:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	454043	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1882999	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1070195	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2336468	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1694788	20.00	ng/ul	-0.01
85) Perylene-d12	23.42	264	1651087	20.00	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.22	96	1530	0.16	ng/uL	0.00
5) Phenol-d5	6.78	99	35204	0.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	22693	1.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	29891	1.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	29455	1.06	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	16018	1.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	14618	1.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	30272	1.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	18671	0.67	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	91050	1.17	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	119582	1.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	12388	1.01	ng/ul	0.02
57) Fluorene-d10	15.23	176	88575	1.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	3818	0.36	ng/ul	0.00
70) Anthracene-d10	17.08	188	131513	1.34	ng/ul	0.00
78) Pyrene-d10	19.39	212	126177	1.46	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	92366	1.28	ng/ul	-0.02

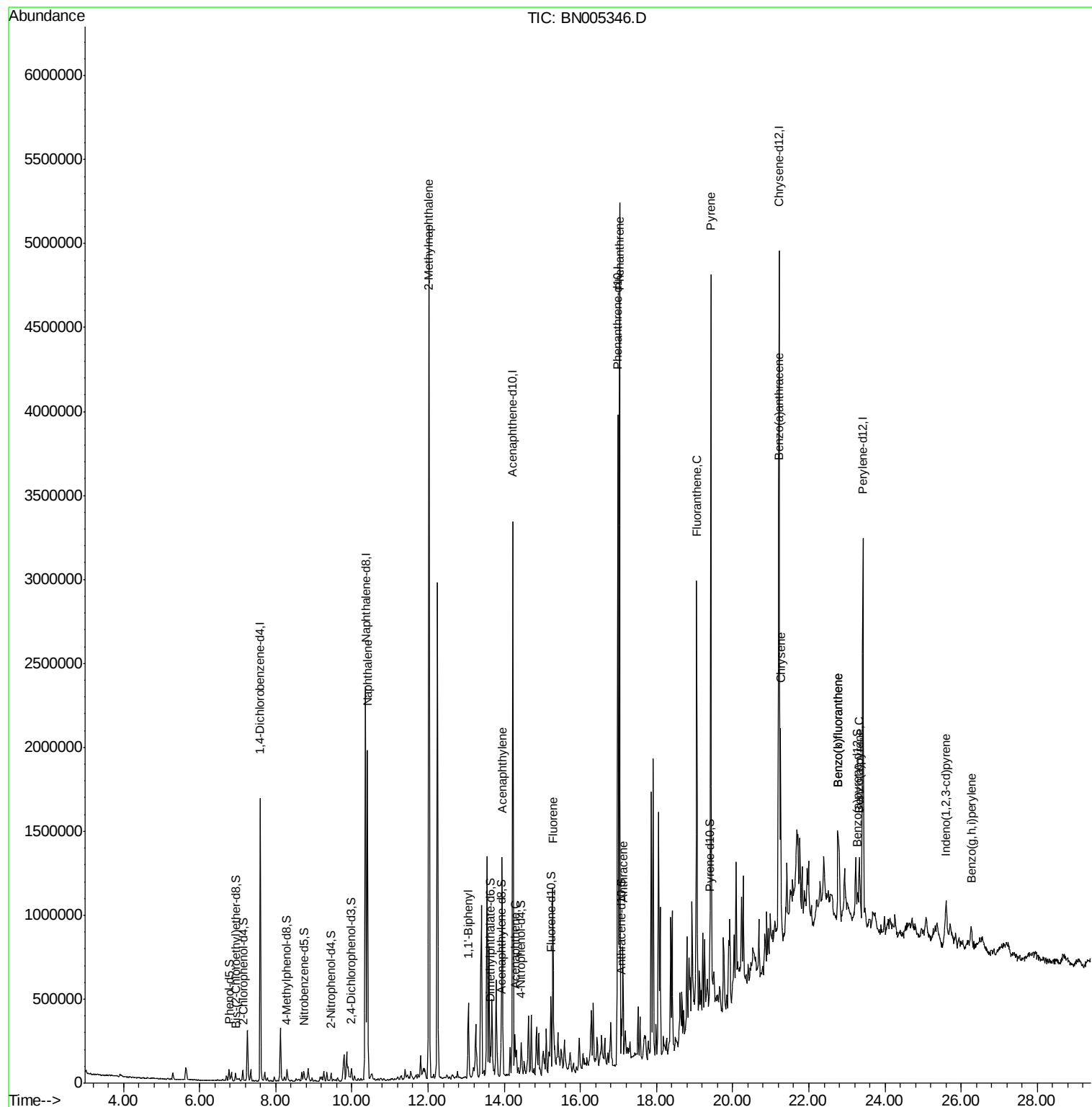
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.40	128	1546308	17.665	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	2456196	38.321	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	191238	2.398	ng/ul	99
47) Acenaphthylene	13.95	152	793667	8.464	ng/ul	98
49) Acenaphthene	14.29	153	91003	1.422	ng/ul	99
58) Fluorene	15.28	166	506853	7.047	ng/ul	99
69) Phenanthrene	17.03	178	3176634	27.917	ng/ul	100
71) Anthracene	17.12	178	438127	3.780	ng/ul	99
76) Fluoranthene	19.06	202	1462283	11.586	ng/ul	99
79) Pyrene	19.43	202	2782995	25.504	ng/ul	96
82) Benzo(a)anthracene	21.20	228	696351	6.605	ng/ul	95
84) Chrysene	21.25	228	693362	7.086	ng/ul	99
87) Benzo(b)fluoranthene	22.77	252	510775	5.503	ng/ul	97
88) Benzo(k)fluoranthene	22.77	252	510775	5.762	ng/ul	96
90) Benzo(a)pyrene	23.32	252	227181	2.604	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.60	276	204001	2.115	ng/ul	95
93) Benzo(g,h,i)perylene	26.27	276	148082	1.857	ng/ul	99

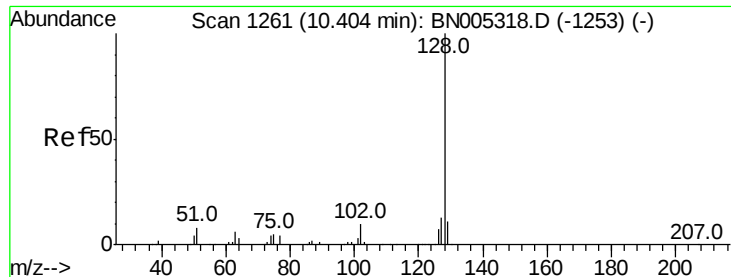
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 17.665 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

Instrument :

BNA_N

ClientSampleId :

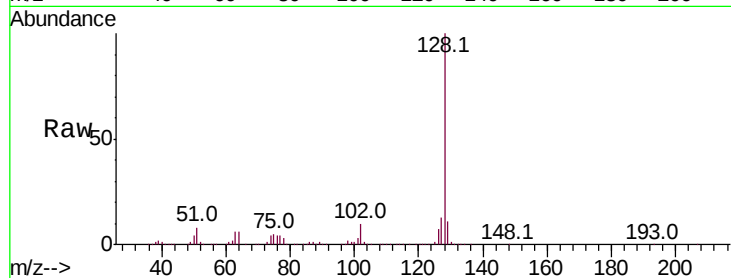
Tot Ion:128 Resp: 1546308

Ion Ratio Lower Upper

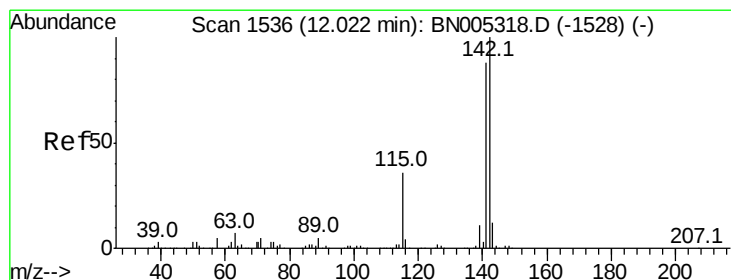
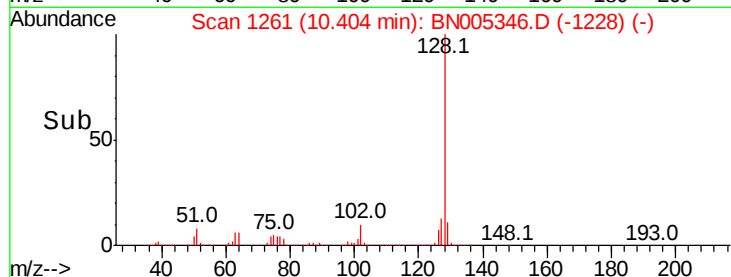
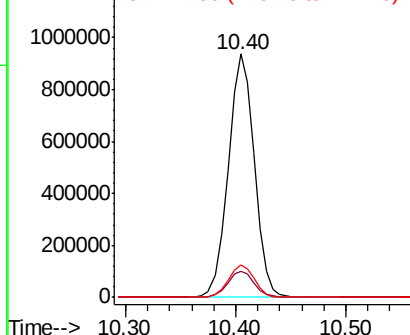
128 100

129 10.8 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: 38.321 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BN005346.D

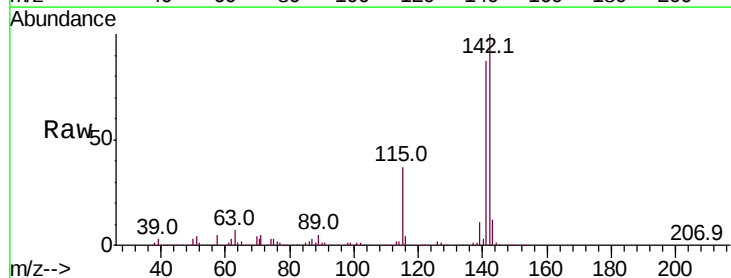
Acq: 27 Apr 2019 08:34

Tgt Ion:142 Resp: 2456196

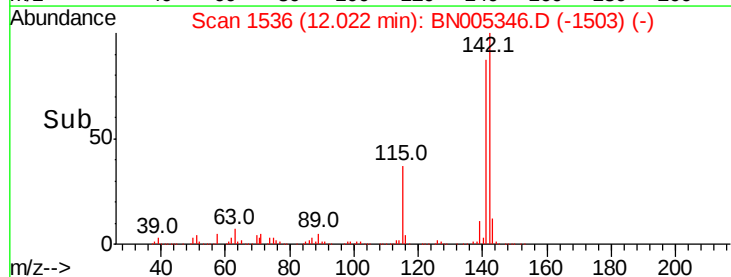
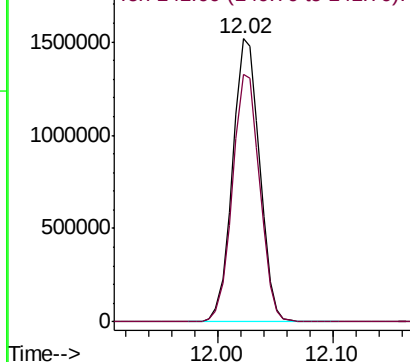
Ion Ratio Lower Upper

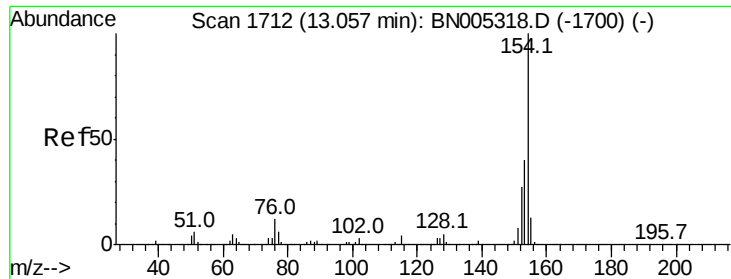
142 100

141 87.5 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: 2.398 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

Instrument :

BNA_N

ClientSampleId :

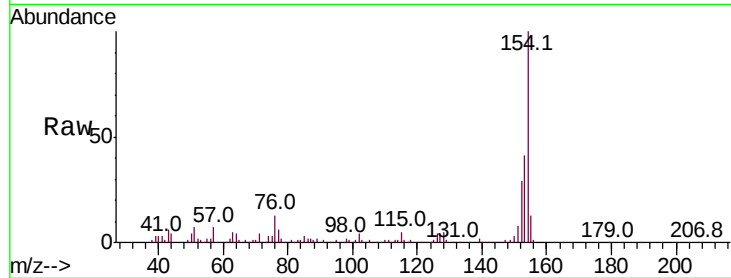
Tot Ion:154 Resp: 191238

Ion Ratio Lower Upper

154 100

153 41.3 32.6 49.0

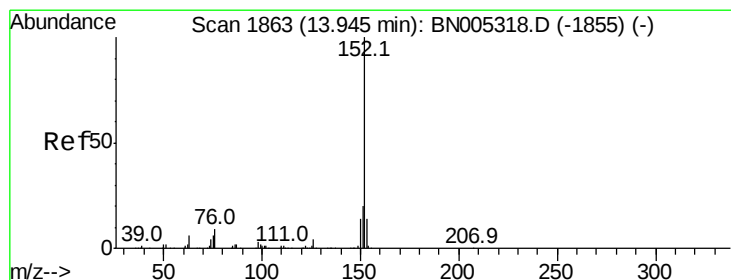
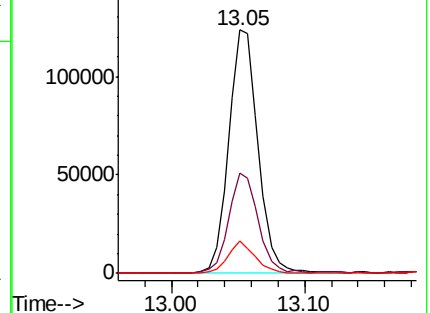
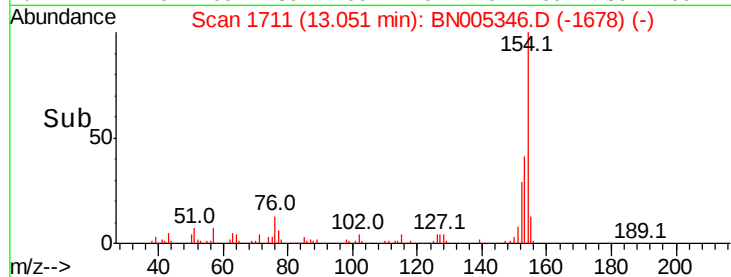
76 13.2 10.4 15.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC



#47

Acenaphthylene

Concen: 8.464 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

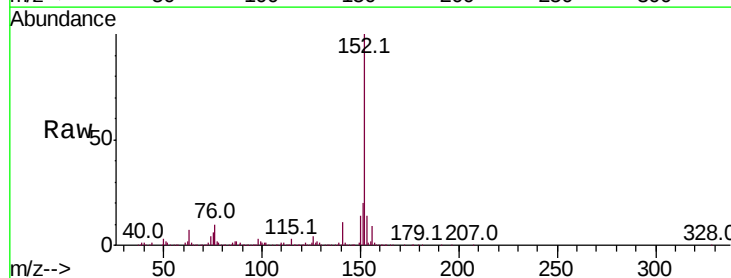
Tgt Ion:152 Resp: 793667

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

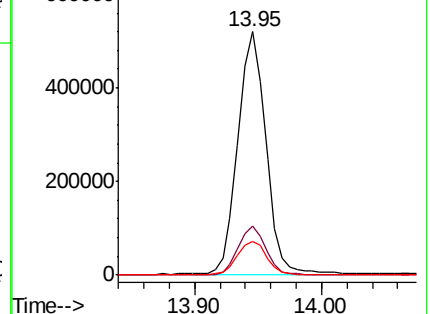
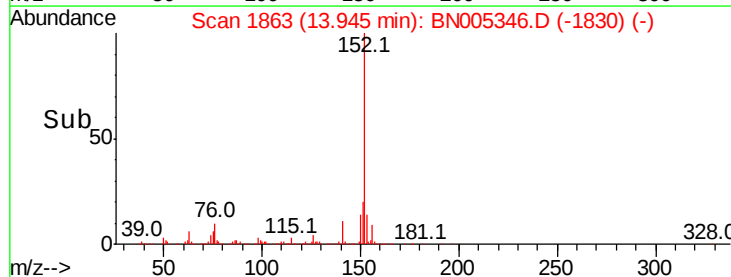
153 14.0 9.8 14.8

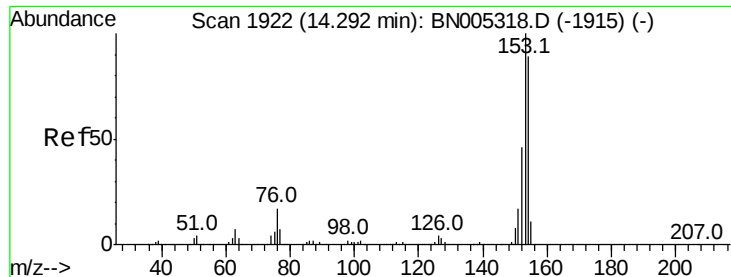


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.422 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

Instrument :

BNA_N

ClientSampleId :

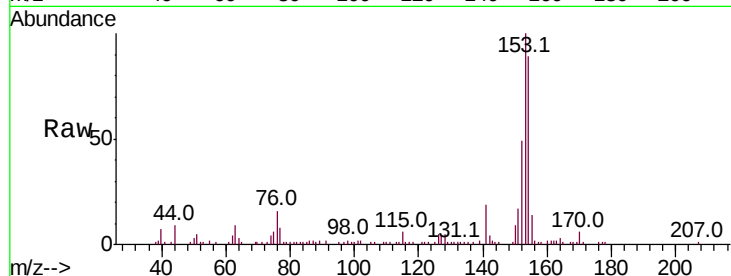
Tot Ion:153 Resp: 91003

Ion Ratio Lower Upper

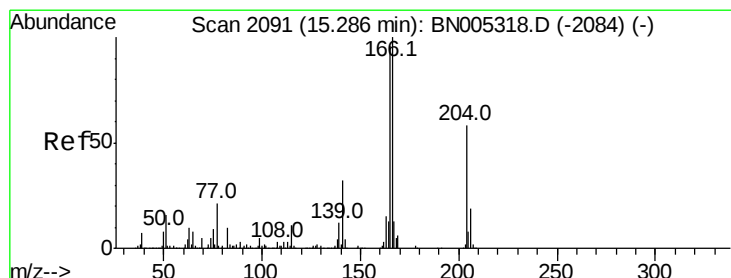
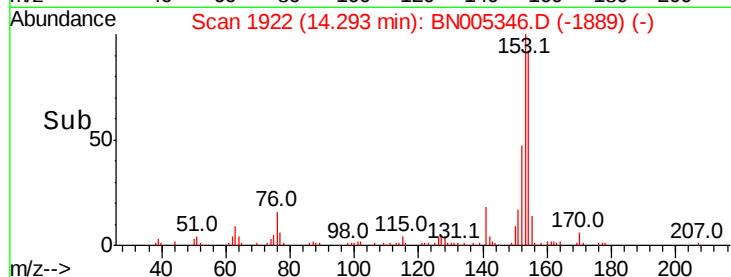
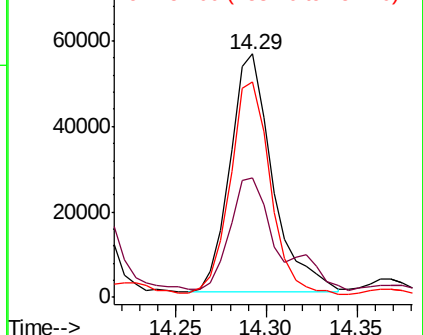
153 100

152 49.0 37.4 56.0

154 88.8 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



#58

Fluorene

Concen: 7.047 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

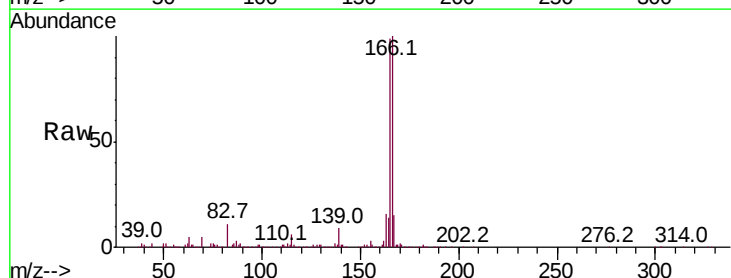
Tgt Ion:166 Resp: 506853

Ion Ratio Lower Upper

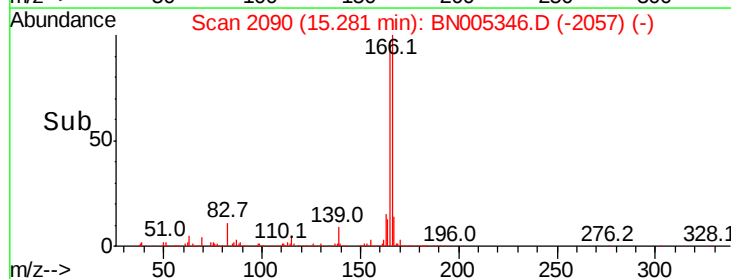
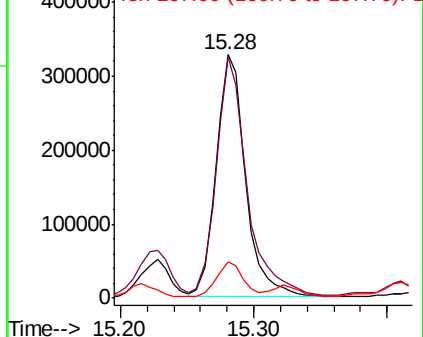
166 100

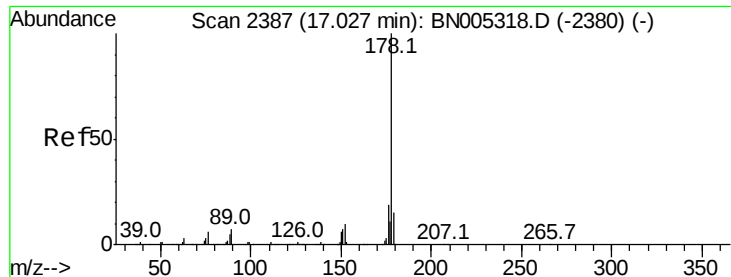
165 99.0 80.0 120.0

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





#69

Phenanthrene

Concen: 27.917 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

Instrument :

BNA_N

ClientSampleId :

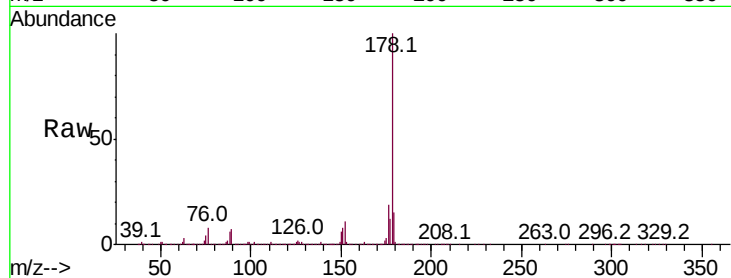
Tot Ion:178 Resp: 3176634

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

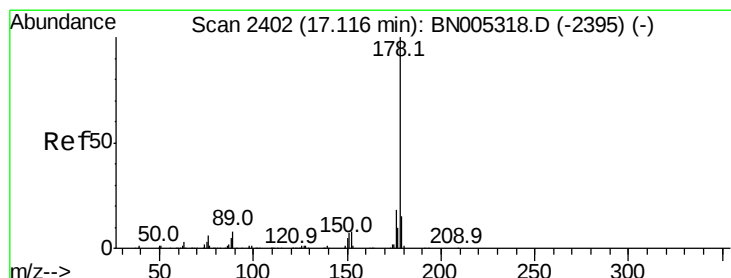
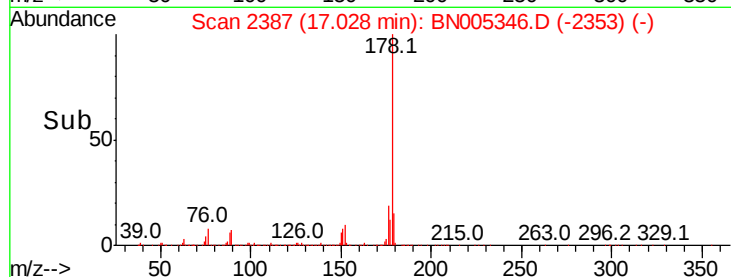
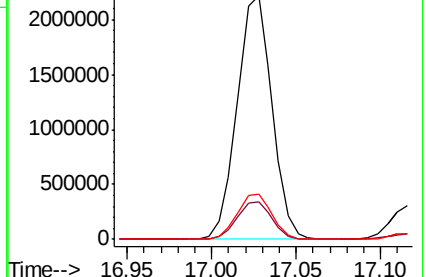
176 18.7 15.1 22.7



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: 3.780 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

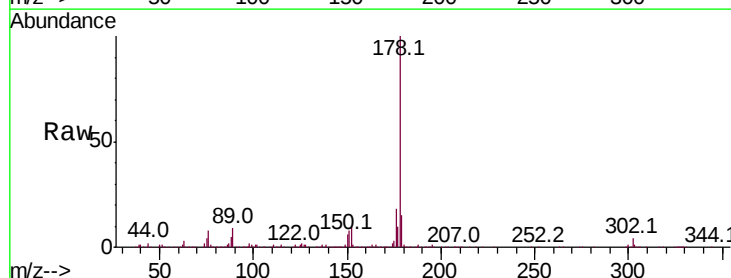
Tgt Ion:178 Resp: 438127

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

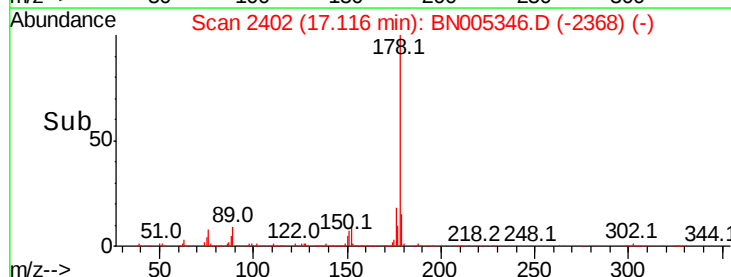
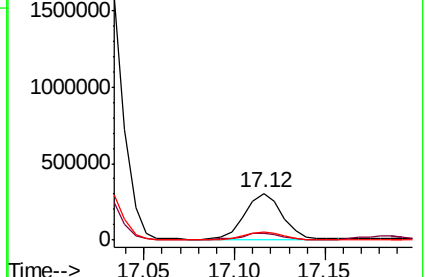
176 18.3 15.1 22.7

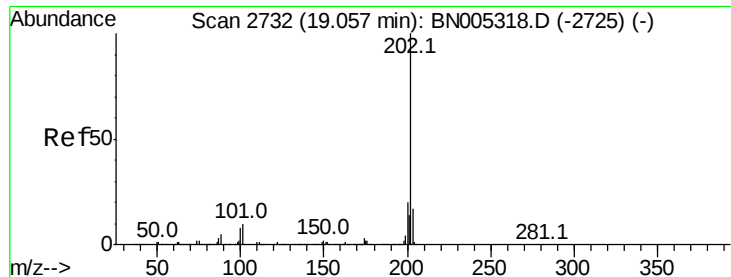


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

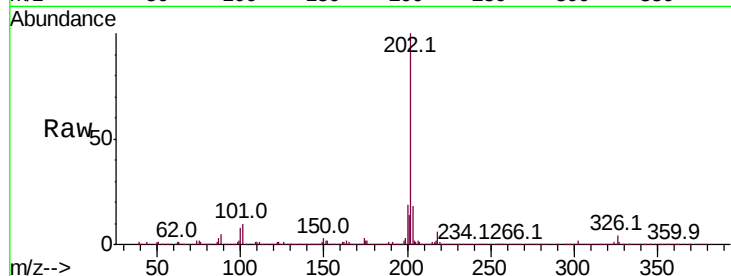




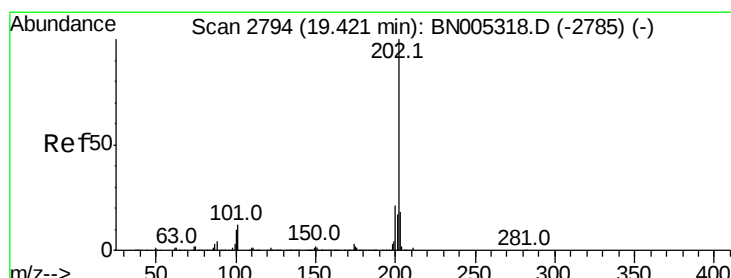
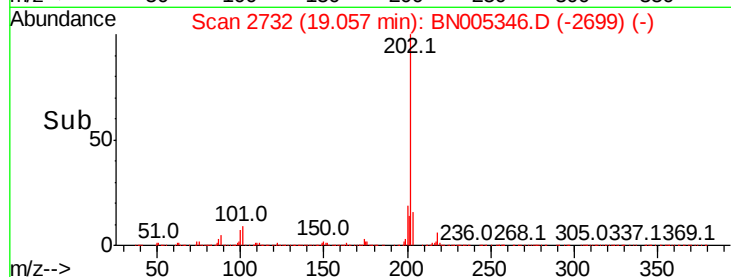
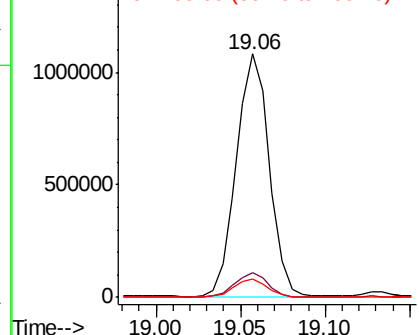
#76
Fluoranthene
Concen: 11.586 ng/ul
RT: 19.06 min Scan# 2732
Delta R.T. -0.01 min
Lab File: BN005346.D
Acq: 27 Apr 2019 08:34

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp: 1462283
Ion Ratio Lower Upper
202 100
101 10.3 8.6 12.8
100 7.5 6.3 9.5

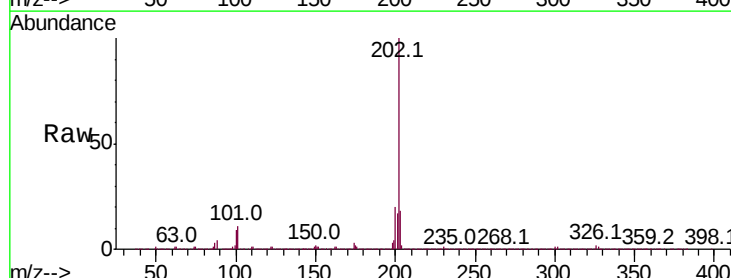


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

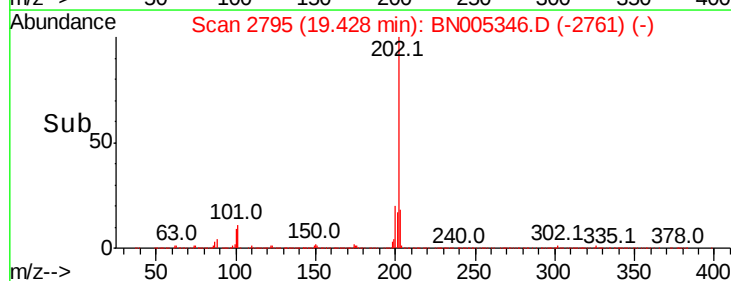
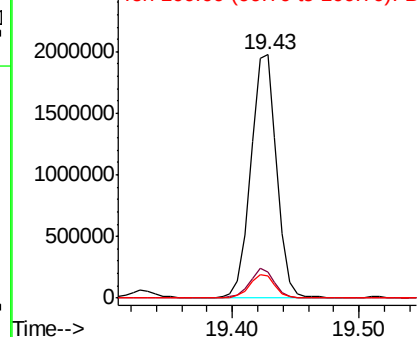


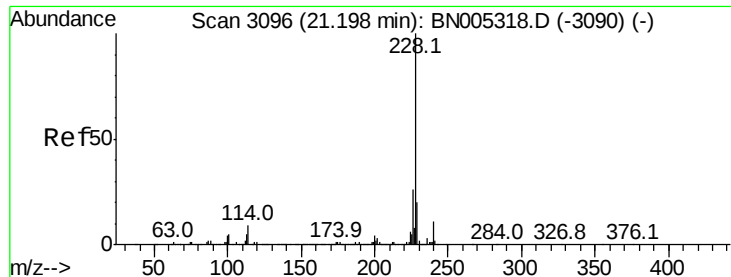
#79
Pyrene
Concen: 25.504 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005346.D
Acq: 27 Apr 2019 08:34

Tgt Ion:202 Resp: 2782995
Ion Ratio Lower Upper
202 100
101 10.9 10.3 15.5
100 9.1 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: 6.605 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

Instrument :

BNA_N

ClientSampleId :

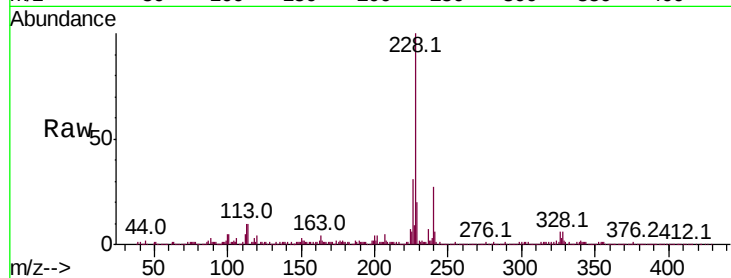
Tot Ion:228 Resp: 696351

Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.6

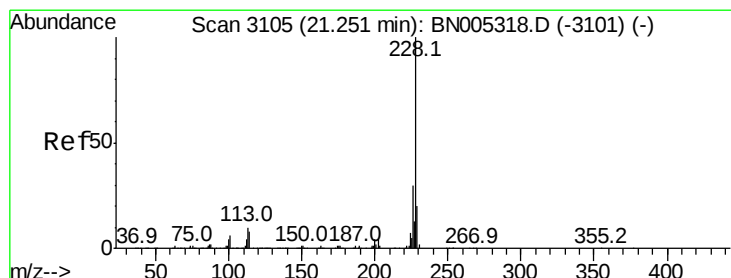
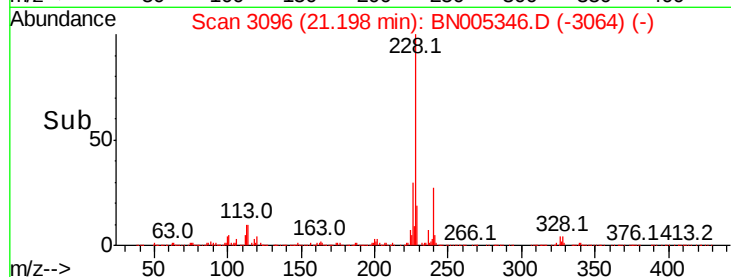
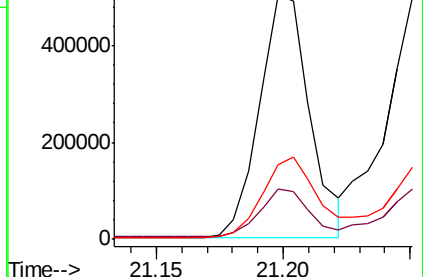
226 30.7 21.4 32.2



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: 7.086 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

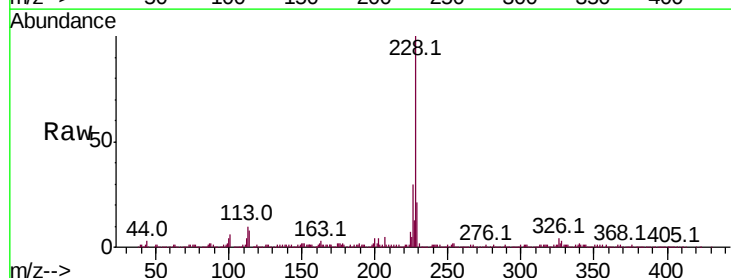
Tgt Ion:228 Resp: 693362

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

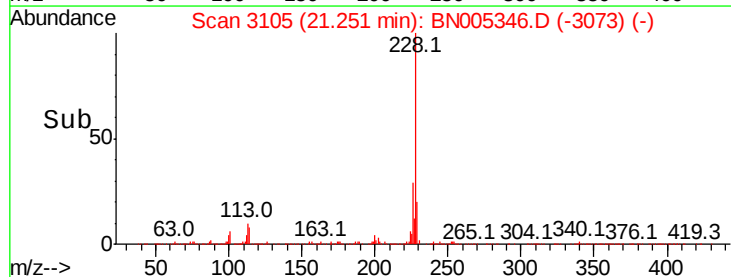
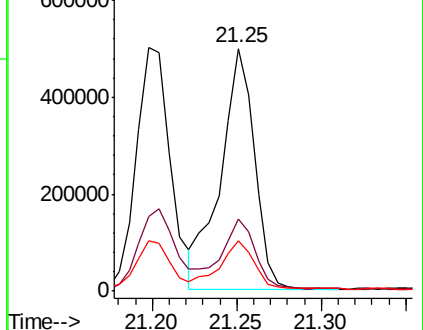
229 20.7 15.4 23.0

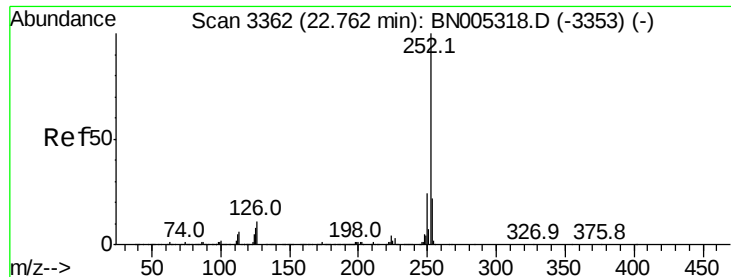


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 5.503 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

Instrument :

BNA_N

ClientSampleId :

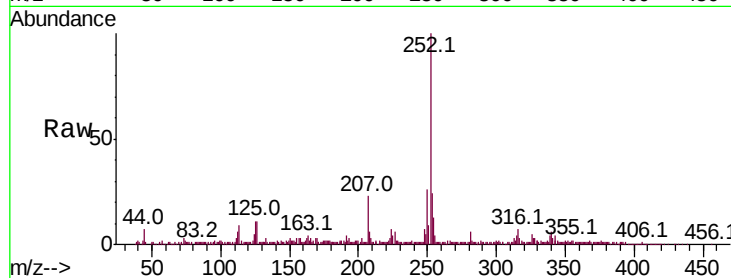
Tot Ion:252 Resp: 510775

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

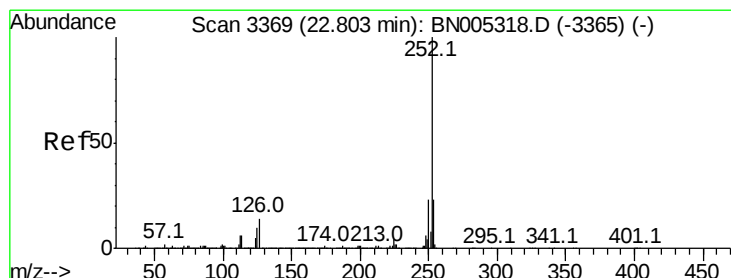
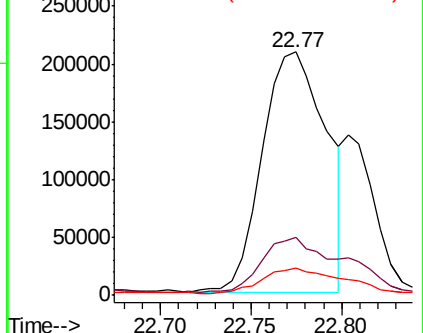
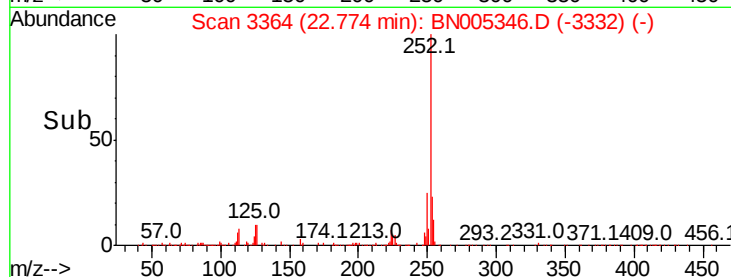
125 11.0 8.4 12.6



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: 5.762 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.05 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

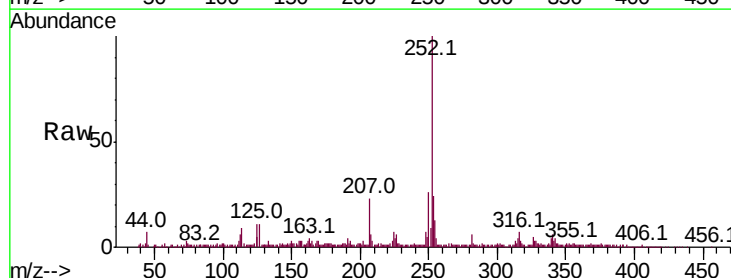
Tgt Ion:252 Resp: 510775

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

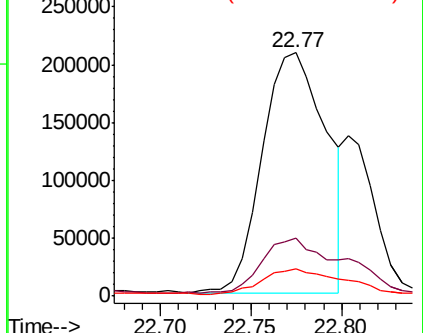
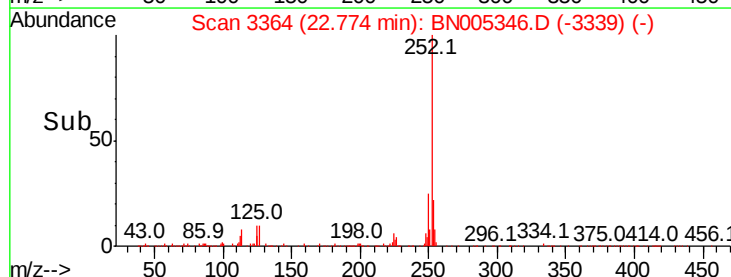
125 11.0 7.5 11.3

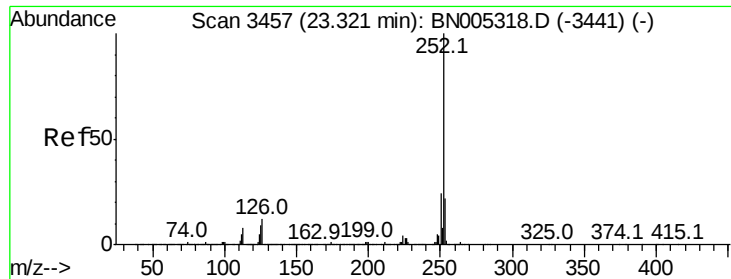


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.604 ng/ul

RT: 23.32 min Scan# 3457

Delta R.T. -0.02 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

Instrument :

BNA_N

ClientSampleId :

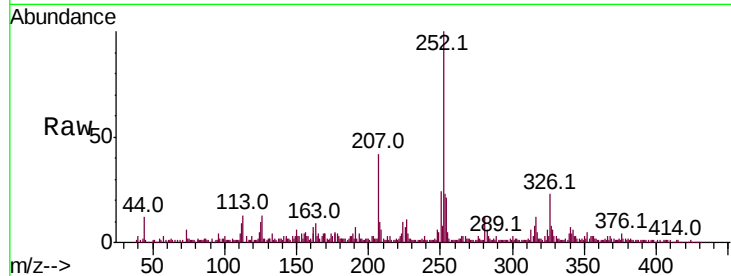
Tot Ion:252 Resp: 227181

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

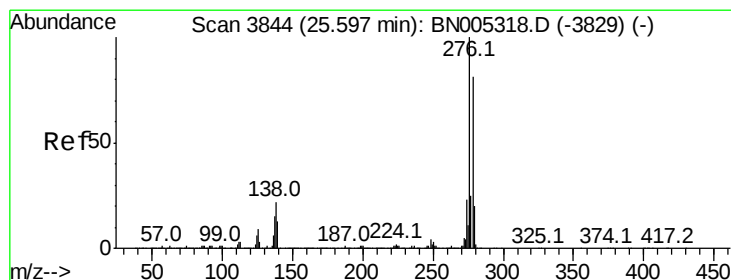
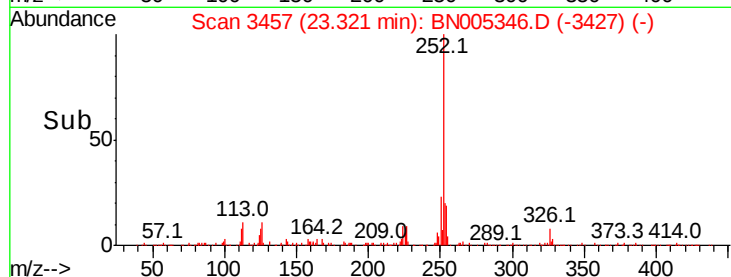
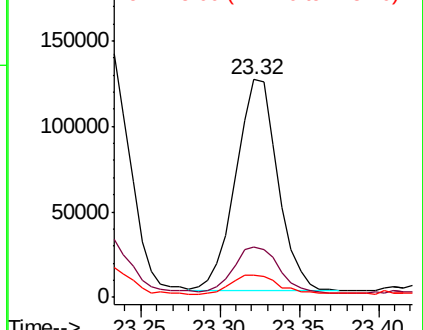
125 10.0 8.6 13.0



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: 2.115 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.03 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

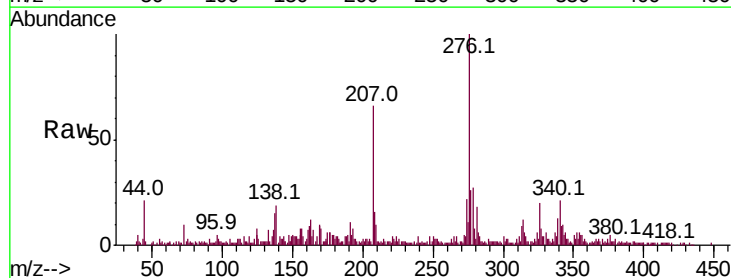
Tgt Ion:276 Resp: 204001

Ion Ratio Lower Upper

276 100

138 19.0 17.9 26.9

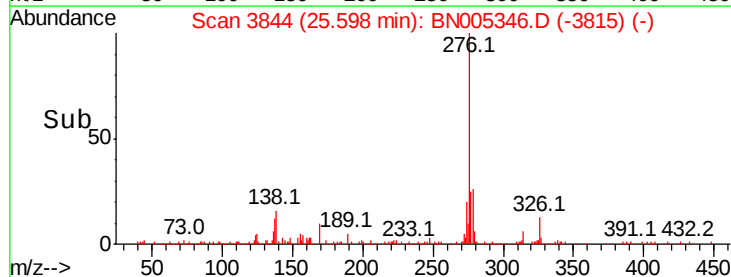
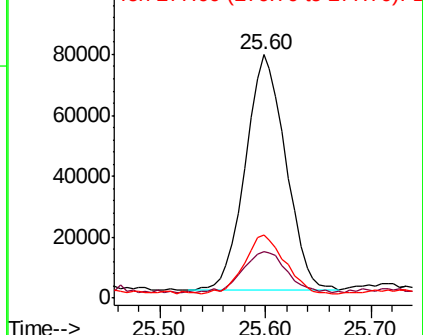
277 26.1 19.7 29.5

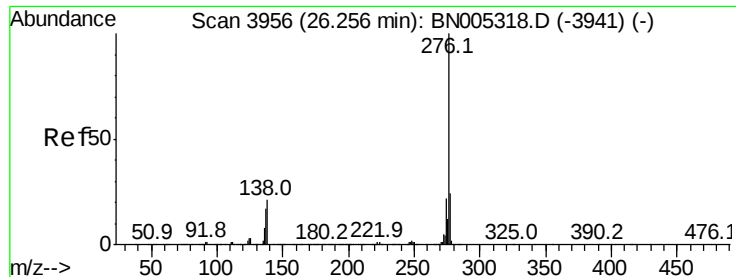


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(a,h,i)perylene

Concen: 1.857 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. -0.02 min

Lab File: BN005346.D

Acq: 27 Apr 2019 08:34

Instrument :

BNA_N

ClientSampleId :

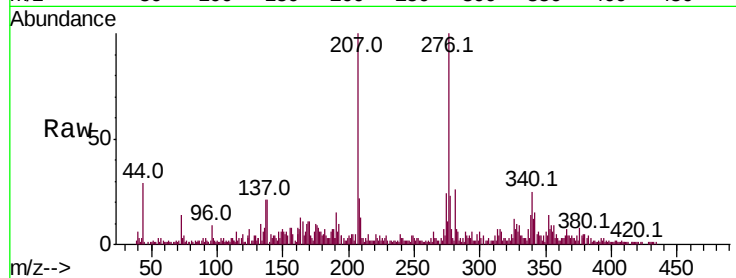
Tot Ion:276 Resp: 148082

Ion Ratio Lower Upper

276 100

138 20.6 16.7 25.1

277 23.4 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

