

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
 Data File : BN005468.D
 Acq On : 04 May 2019 01:17
 Operator : JU/SJ
 Sample : K2603-20DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ72DL

Quant Time: May 06 01:10:55 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	270757	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1209438	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	759107	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	1730228	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1516952	20.00	ng/ul	-0.01
85) Perylene-d12	23.41	264	1459468	20.00	ng/ul	0.00

System Monitoring Compounds

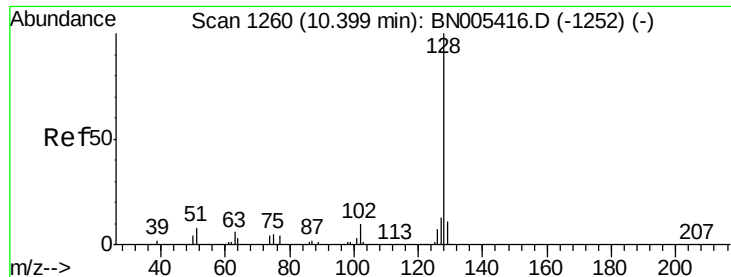
3) 1,4-Dioxane-d8	3.22	96	1068	0.19	ng/uL	0.01
5) Phenol-d5	6.78	99	33970	1.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	22622	1.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	27662	1.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	28406	1.71	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	16669	2.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	15149	2.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	30406	1.76	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	28040	1.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	122522	2.22	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	150752	2.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	7585	0.87	ng/ul	0.03
57) Fluorene-d10	15.22	176	112762	2.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	6152	0.79	ng/ul	0.01
70) Anthracene-d10	17.07	188	168535	2.32	ng/ul	0.00
78) Pyrene-d10	19.39	212	188510	2.43	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	139011	2.18	ng/ul	-0.02

Target Compounds

					Qvalue	
28) Naphthalene	10.40	128	575347	10.233	ng/ul	98
30) 4-Chloroaniline	10.40	127	75574	4.159	ng/ul#	17
34) 2-Methylnaphthalene	12.02	142	477573	11.600	ng/ul	98
47) Acenaphthylene	13.94	152	1346617	20.246	ng/ul	98
49) Acenaphthene	14.29	153	131281	2.891	ng/ul	97
53) Dibenzofuran	14.63	168	108183	1.655	ng/ul	96
58) Fluorene	15.27	166	962176	18.861	ng/ul	94
60) 4-Nitroaniline	15.28	138	11319	1.030	ng/ul#	16
69) Phenanthrene	17.02	178	4397509	52.187	ng/ul	99
71) Anthracene	17.11	178	918621	10.702	ng/ul	98
76) Fluoranthene	19.05	202	2395037	25.625	ng/ul	95
79) Pyrene	19.42	202	3379800	34.604	ng/ul	96
82) Benzo(a)anthracene	21.25	228	965992	10.236	ng/ul	97
84) Chrysene	21.25	228	974649	11.128	ng/ul	99
87) Benzo(b)fluoranthene	22.76	252	649352	7.915	ng/ul	99
88) Benzo(k)fluoranthene	22.76	252	649352	8.287	ng/ul	99
90) Benzo(a)pyrene	23.31	252	588403	7.630	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	248600	2.916	ng/ul	99
92) Dibenzo(a,h)anthracene	25.60	278	73210	1.012	ng/ul#	83

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

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#28

Naphthalene

Concen: 10.233 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

Instrument :

BNA_N

ClientSampleId :

GAJ72DL

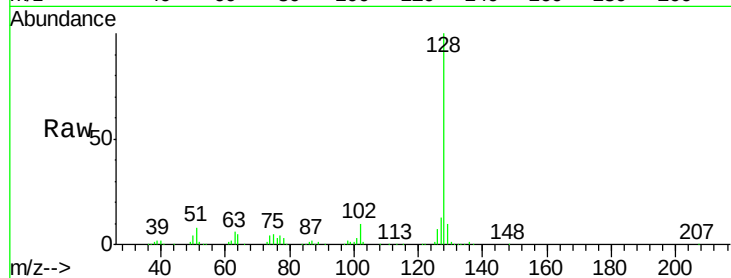
Tgt Ion:128 Resp: 575347

Ion Ratio Lower Upper

128 100

129 10.3 9.2 13.8

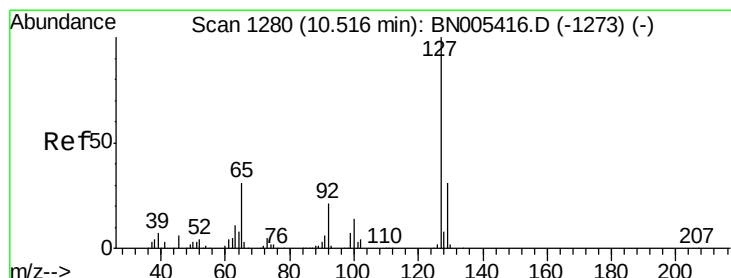
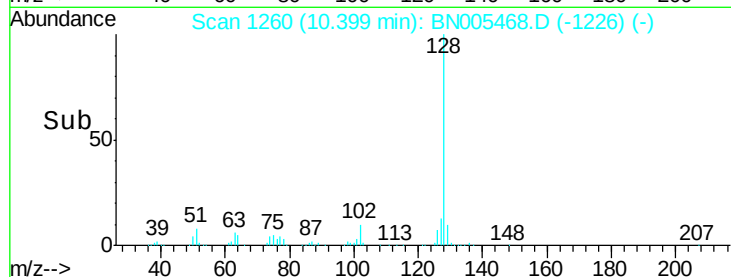
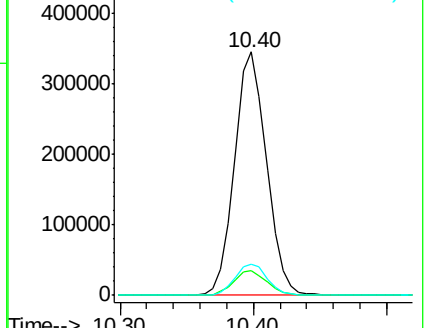
127 13.0 10.7 16.1



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: 4.159 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.12 min

Lab File: BN005468.D

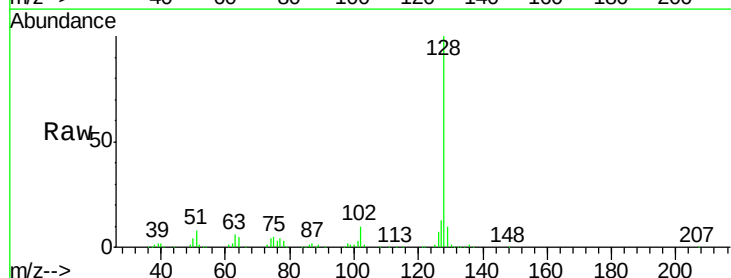
Acq: 04 May 2019 01:17

Tgt Ion:127 Resp: 75574

Ion Ratio Lower Upper

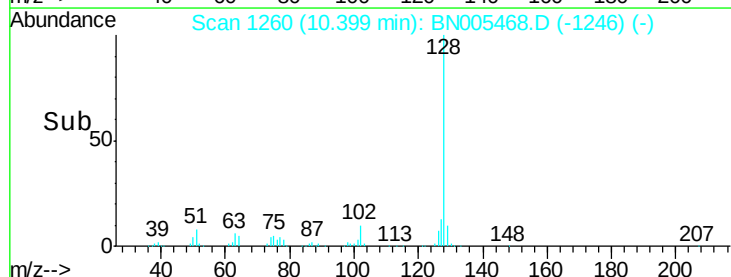
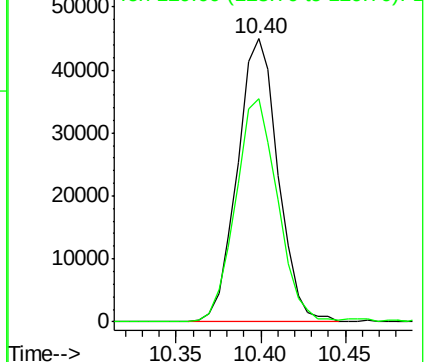
127 100

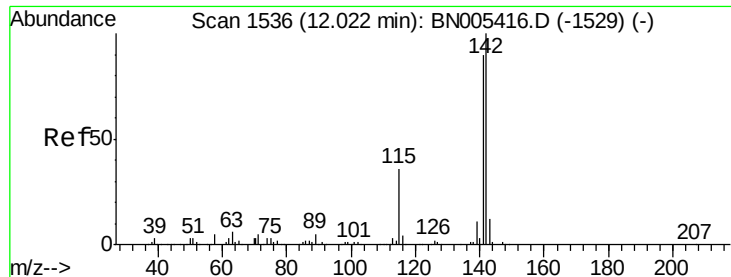
129 78.9 25.8 38.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

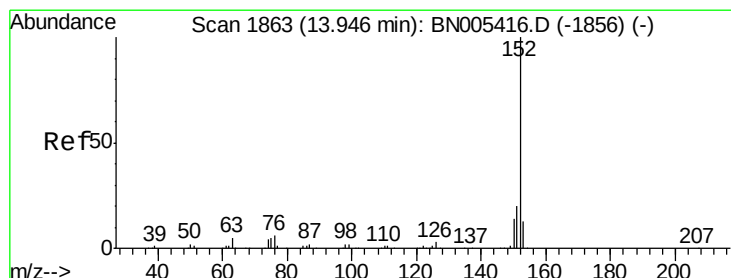
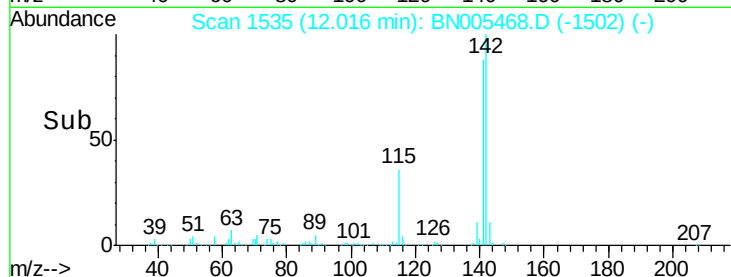
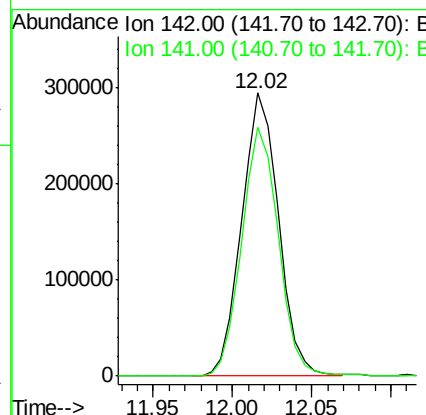
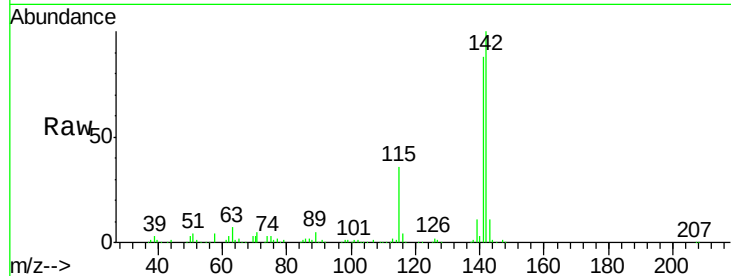




#34
 2-Methylnaphthalene
 Concen: 11.600 ng/ul
 RT: 12.02 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: BN005468.D
 Acq: 04 May 2019 01:17

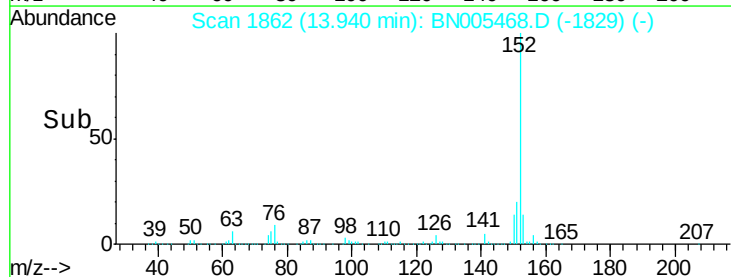
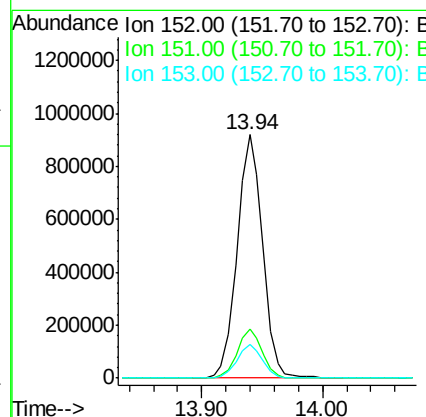
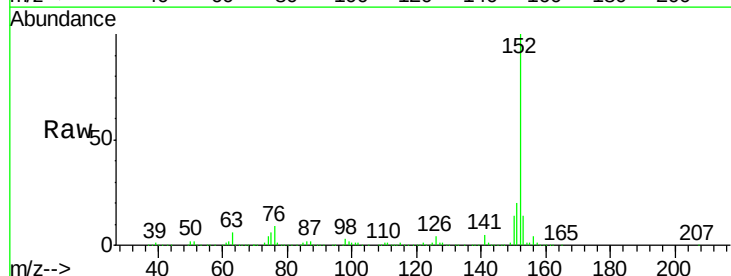
Instrument :
 BNA_N
 ClientSampleId :
 GAJ72DL

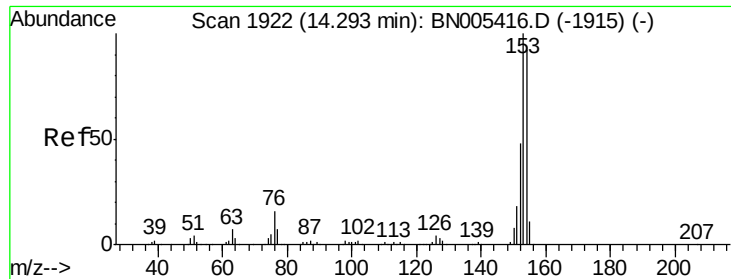
Tgt Ion:142 Resp: 477573
 Ion Ratio Lower Upper
 142 100
 141 88.1 72.0 108.0



#47
 Acenaphthylene
 Concen: 20.246 ng/ul
 RT: 13.94 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: BN005468.D
 Acq: 04 May 2019 01:17

Tgt Ion:152 Resp: 1346617
 Ion Ratio Lower Upper
 152 100
 151 20.4 15.8 23.8
 153 13.8 9.8 14.8





#49

Acenaphthene

Concen: 2.891 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

Instrument :

BNA_N

ClientSampleId :

GAJ72DL

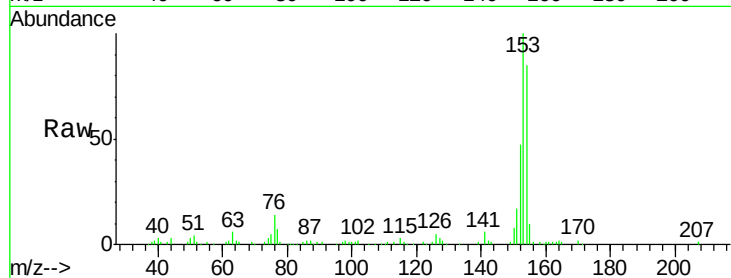
Tgt Ion:153 Resp: 131281

Ion Ratio Lower Upper

153 100

152 46.8 37.4 56.0

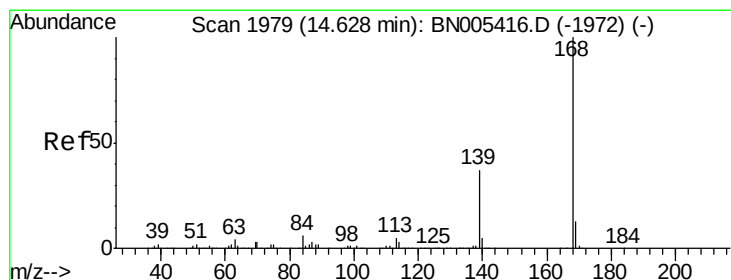
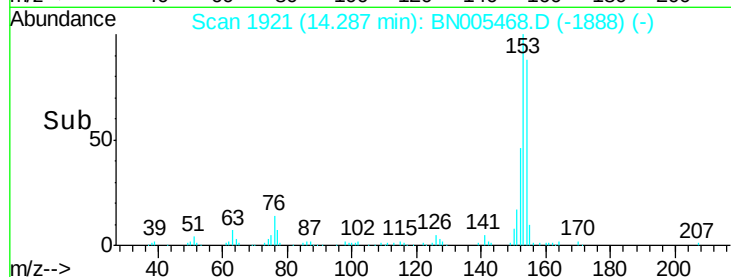
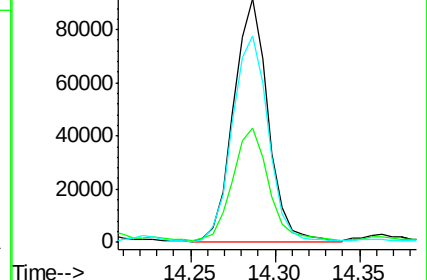
154 84.9 71.2 106.8



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: 1.655 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BN005468.D

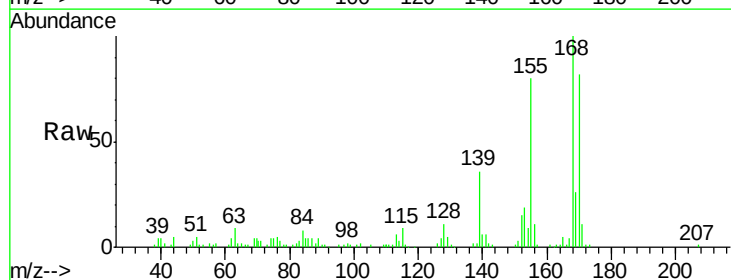
Acq: 04 May 2019 01:17

Tgt Ion:168 Resp: 108183

Ion Ratio Lower Upper

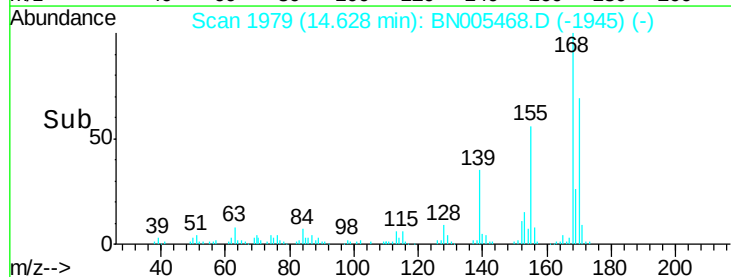
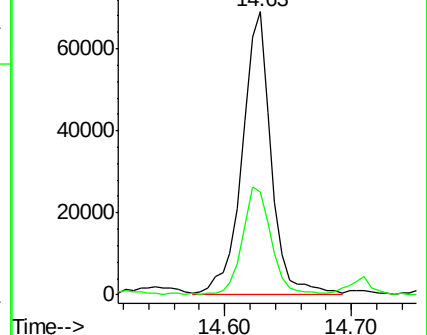
168 100

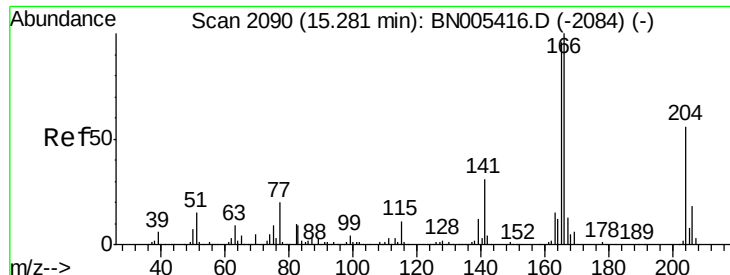
139 36.4 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 18.861 ng/ul

RT: 15.27 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

Instrument :

BNA_N

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GAJ72DL

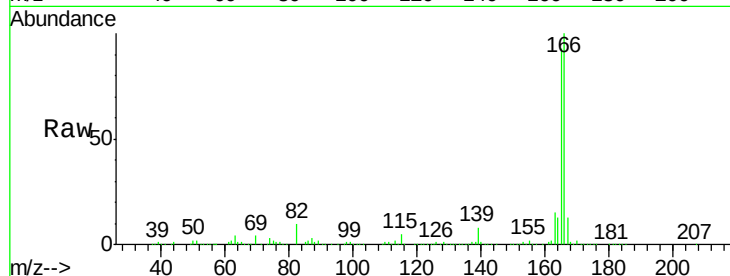
Tgt Ion:166 Resp: 962176

Ion Ratio Lower Upper

166 100

165 93.5 80.0 120.0

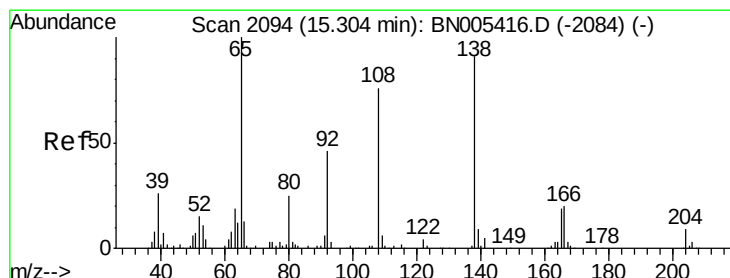
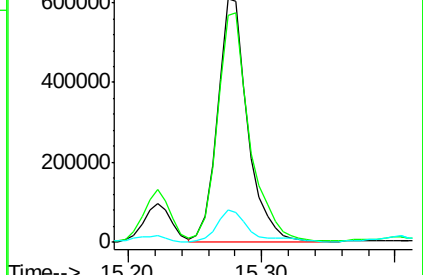
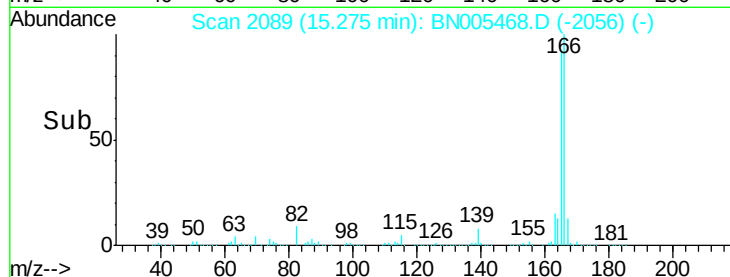
167 13.3 10.7 16.1



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



#60

4-Nitroaniline

Concen: 1.030 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.02 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

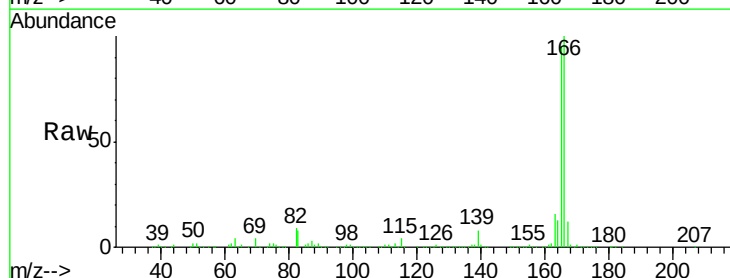
Tgt Ion:138 Resp: 11319

Ion Ratio Lower Upper

138 100

92 4.5 45.3 67.9#

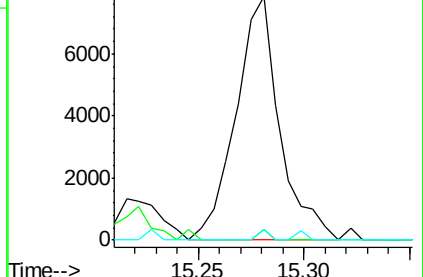
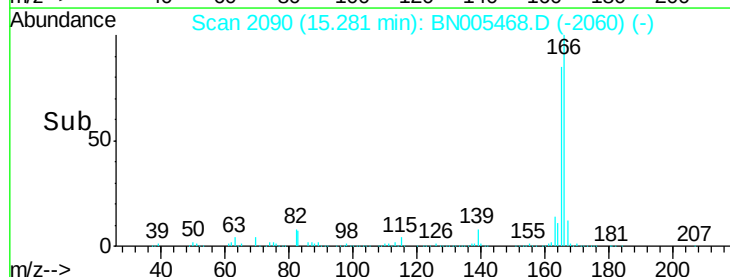
108 4.2 73.2 109.8#

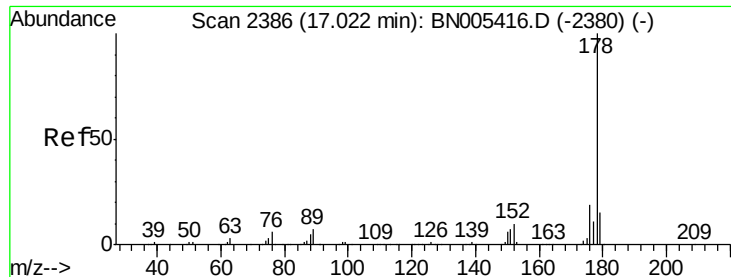


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BN0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 52.187 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

Instrument :

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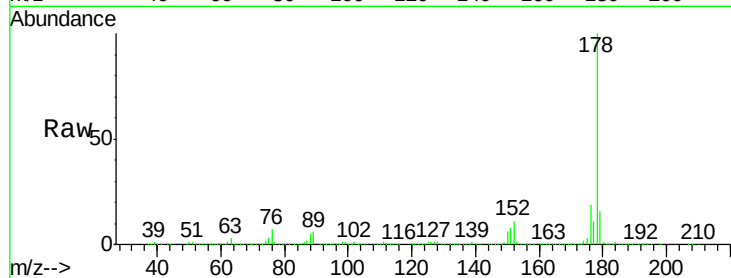
Tgt Ion:178 Resp: 4397509

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

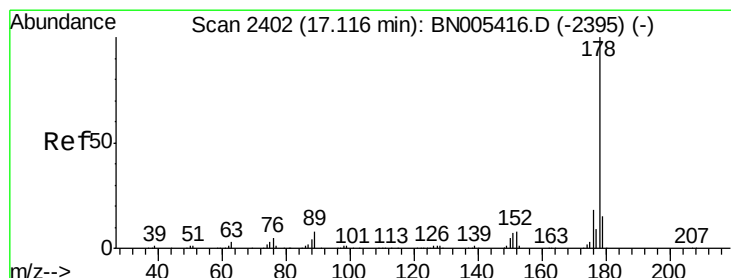
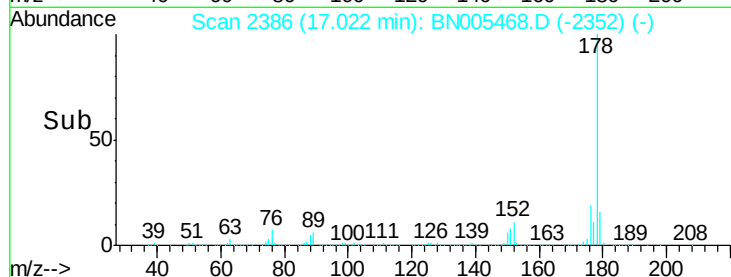
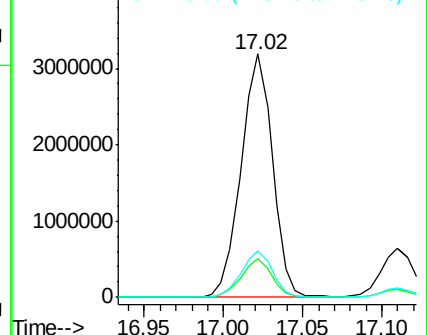
176 19.3 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 10.702 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

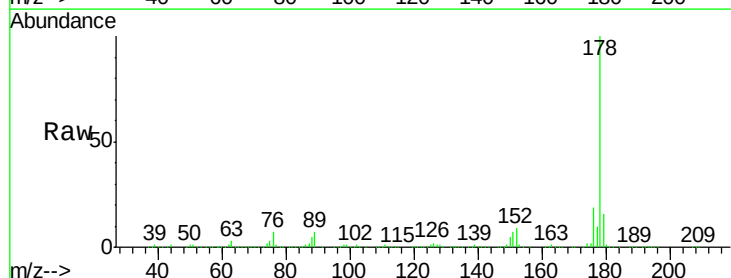
Tgt Ion:178 Resp: 918621

Ion Ratio Lower Upper

178 100

179 16.4 12.3 18.5

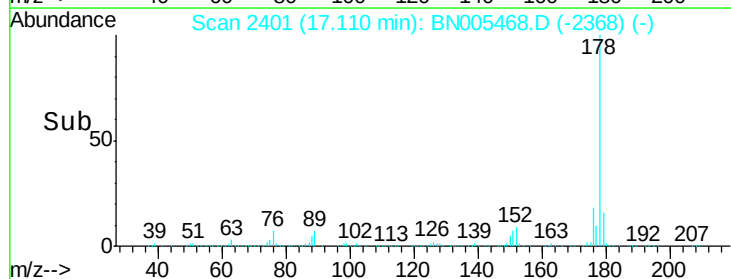
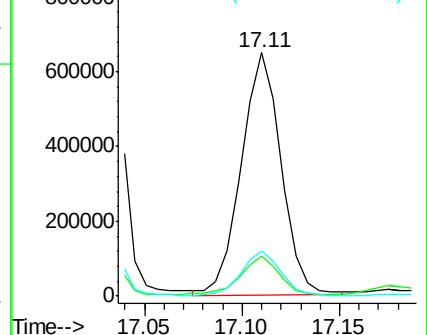
176 18.5 15.1 22.7

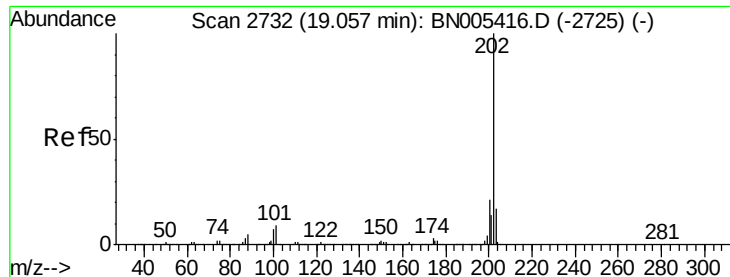


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 25.625 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BN005468.D

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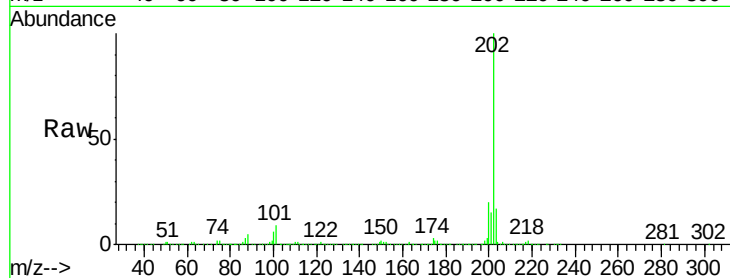
Tgt Ion:202 Resp: 2395037

Ion Ratio Lower Upper

202 100

101 8.9 8.6 12.8

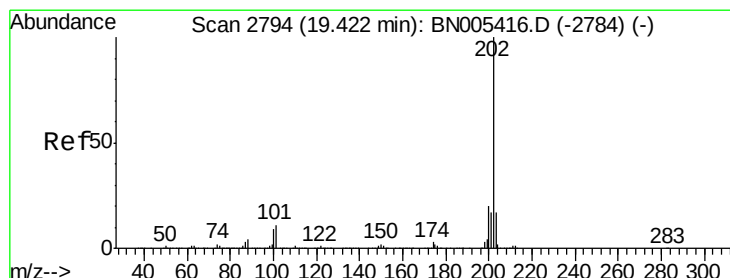
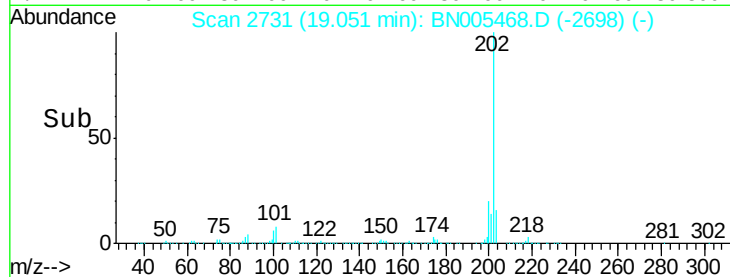
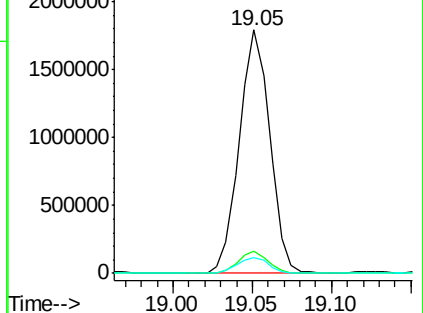
100 6.3 6.3 9.5



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: 34.604 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

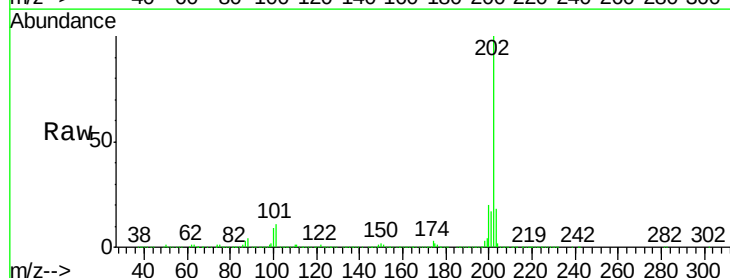
Tgt Ion:202 Resp: 3379800

Ion Ratio Lower Upper

202 100

101 10.7 10.3 15.5

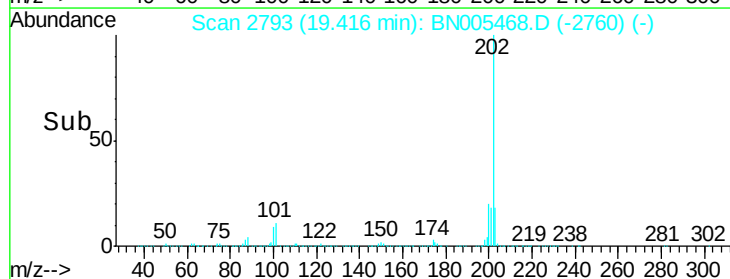
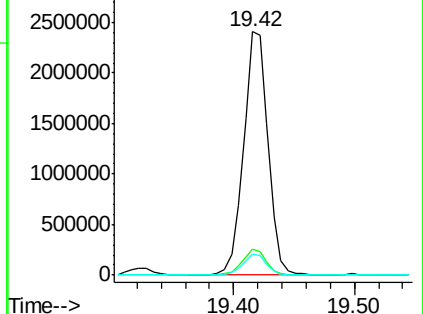
100 8.7 7.9 11.9

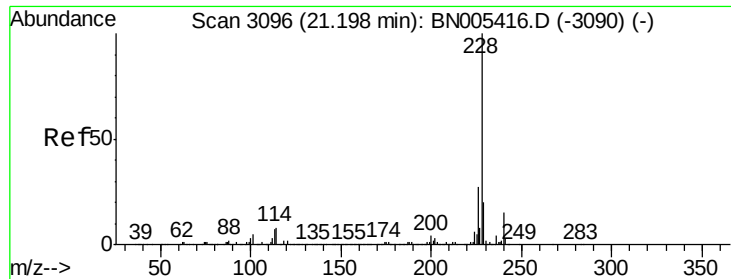


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

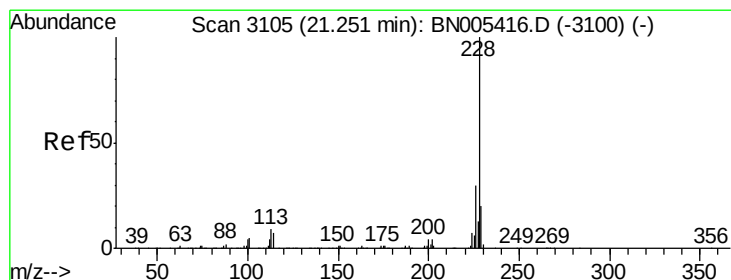
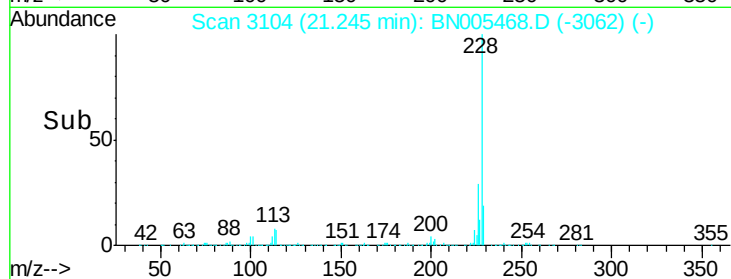
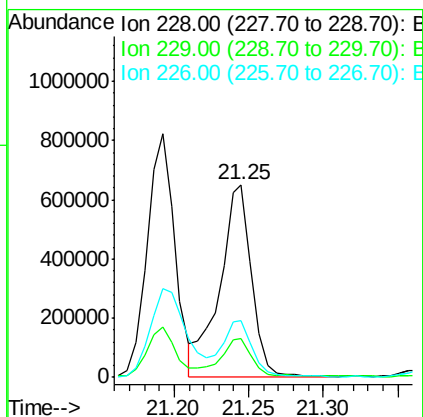
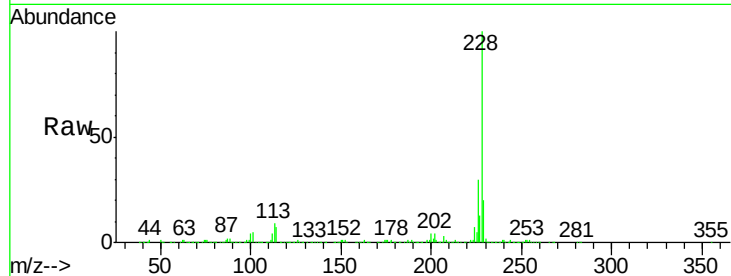




#82
Benzo(a)anthracene
Concen: 10.236 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. 0.05 min
Lab File: BN005468.D
Acq: 04 May 2019 01:17

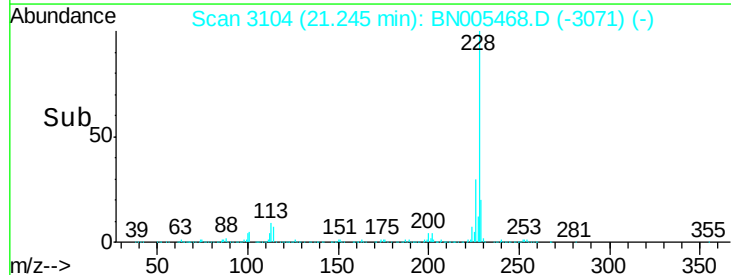
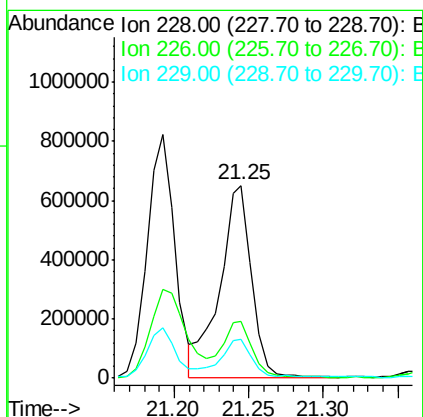
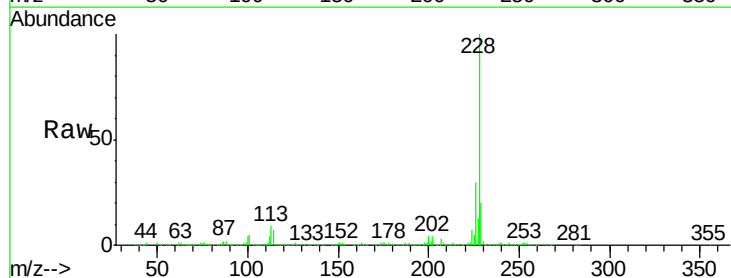
Instrument :
BNA_N
ClientSampleId :
GAJ72DL

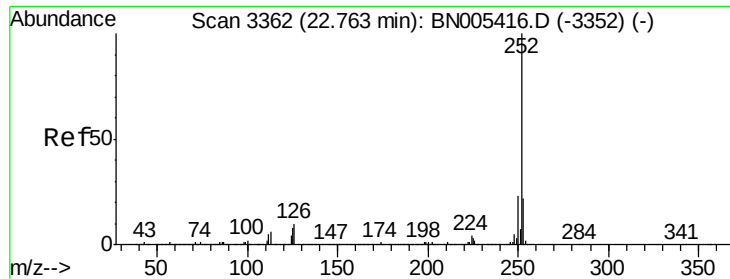
Tgt Ion:228 Resp: 965992
Ion Ratio Lower Upper
228 100
229 19.9 15.8 23.6
226 29.7 21.4 32.2



#84
Chrysene
Concen: 11.128 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN005468.D
Acq: 04 May 2019 01:17

Tgt Ion:228 Resp: 974649
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 19.9 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 7.915 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.01 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

Instrument :

BNA_N

ClientSampleId :

GAJ72DL

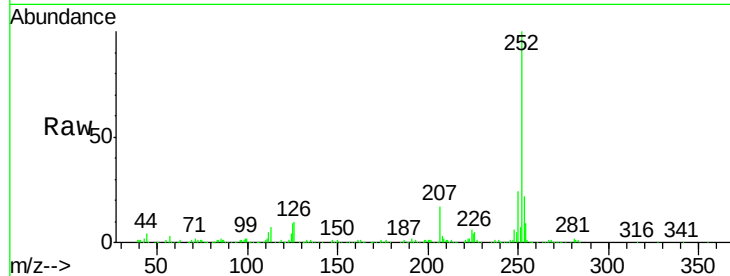
Tgt Ion:252 Resp: 649352

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

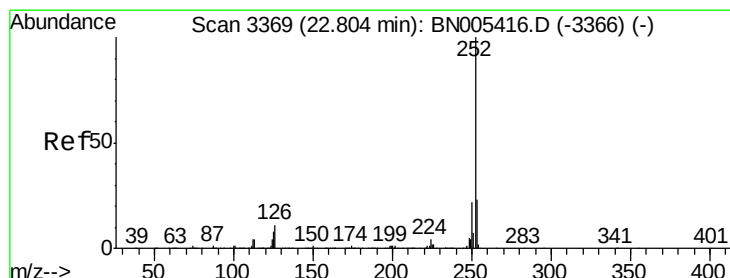
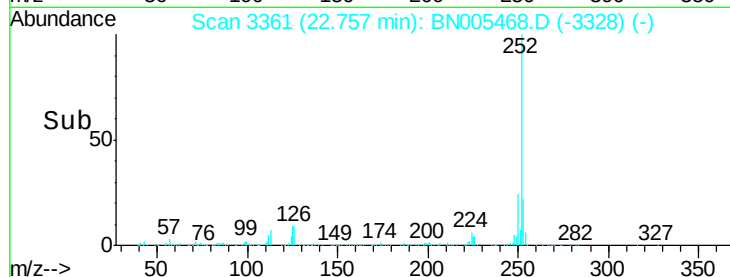
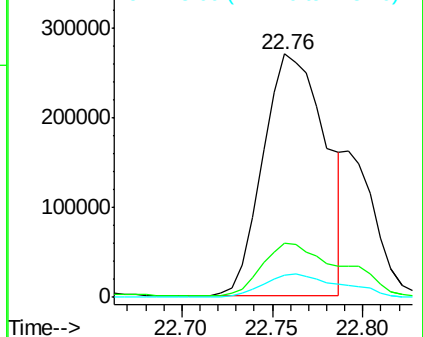
125 9.1 8.4 12.6



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: 8.287 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.05 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

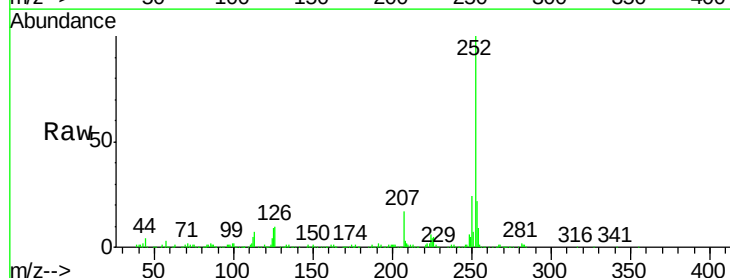
Tgt Ion:252 Resp: 649352

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

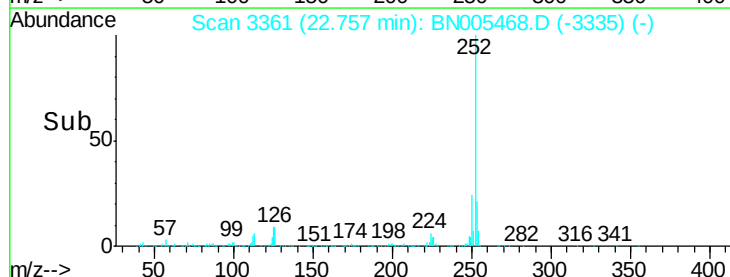
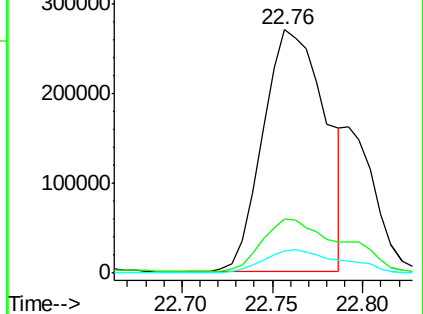
125 9.1 7.5 11.3

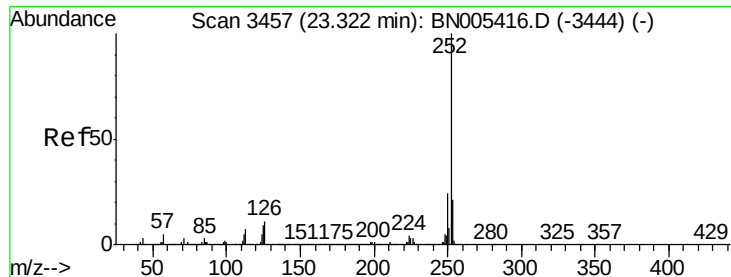


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.630 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

Instrument :

BNA_N

ClientSampled :

GAJ72DL

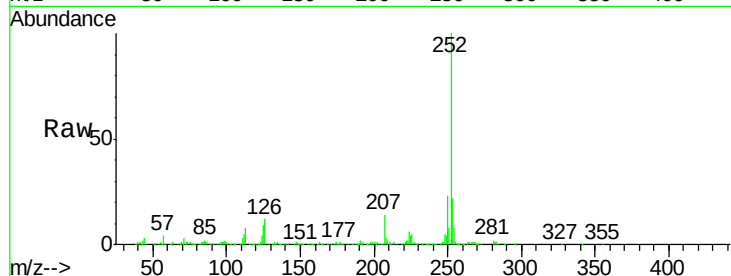
Tgt Ion:252 Resp: 588403

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

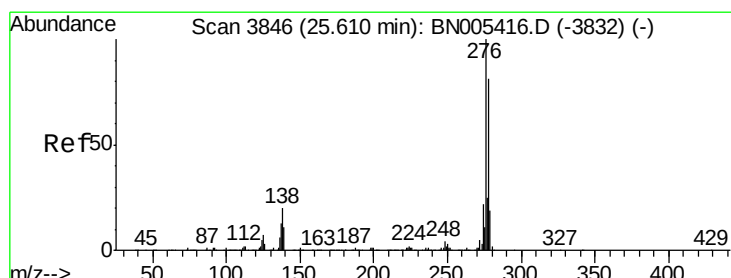
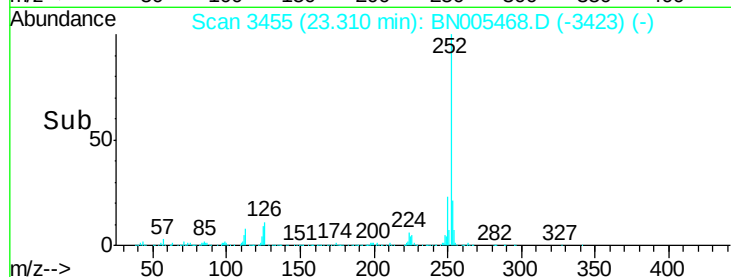
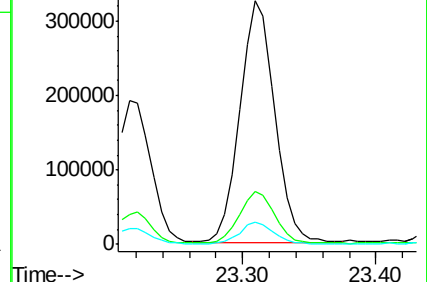
125 9.0 8.6 13.0



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: 2.916 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.02 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

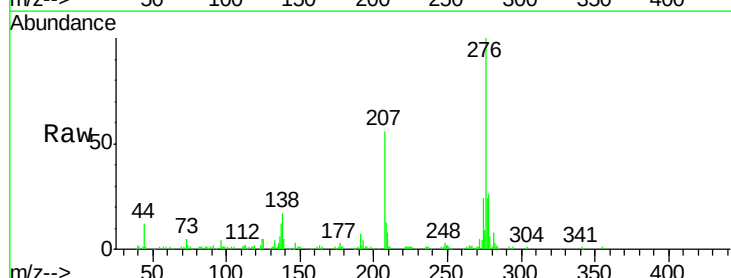
Tgt Ion:276 Resp: 248600

Ion Ratio Lower Upper

276 100

138 21.6 17.9 26.9

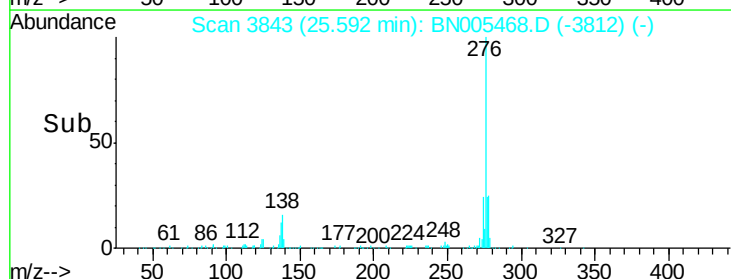
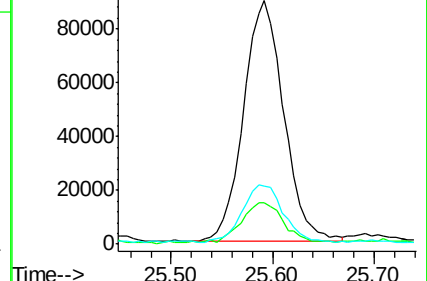
277 24.0 19.7 29.5

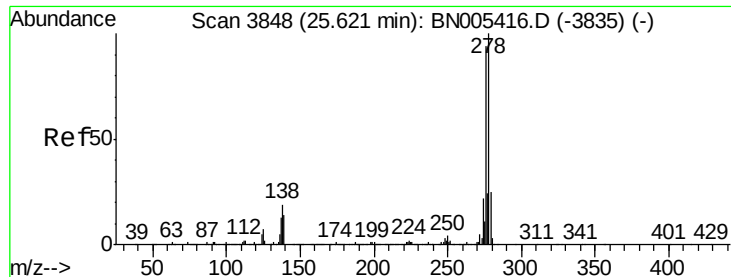


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.012 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.02 min

Lab File: BN005468.D

Acq: 04 May 2019 01:17

Instrument :

BNA_N

ClientSampleId :

GAJ72DL

Tgt Ion:278 Resp: 73210

Ion Ratio Lower Upper

278 100

139 0.0 13.1 19.7#

279 25.5 19.4 29.0

