

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\
 Data File : BN000360.D
 Acq On : 13 Mar 2018 21:36
 Operator : JU/SJ
 Sample : J1844-06DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAM76DL

Quant Time: Mar 14 08:14:53 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 14 08:11:44 2018
 Response via : Initial Calibration

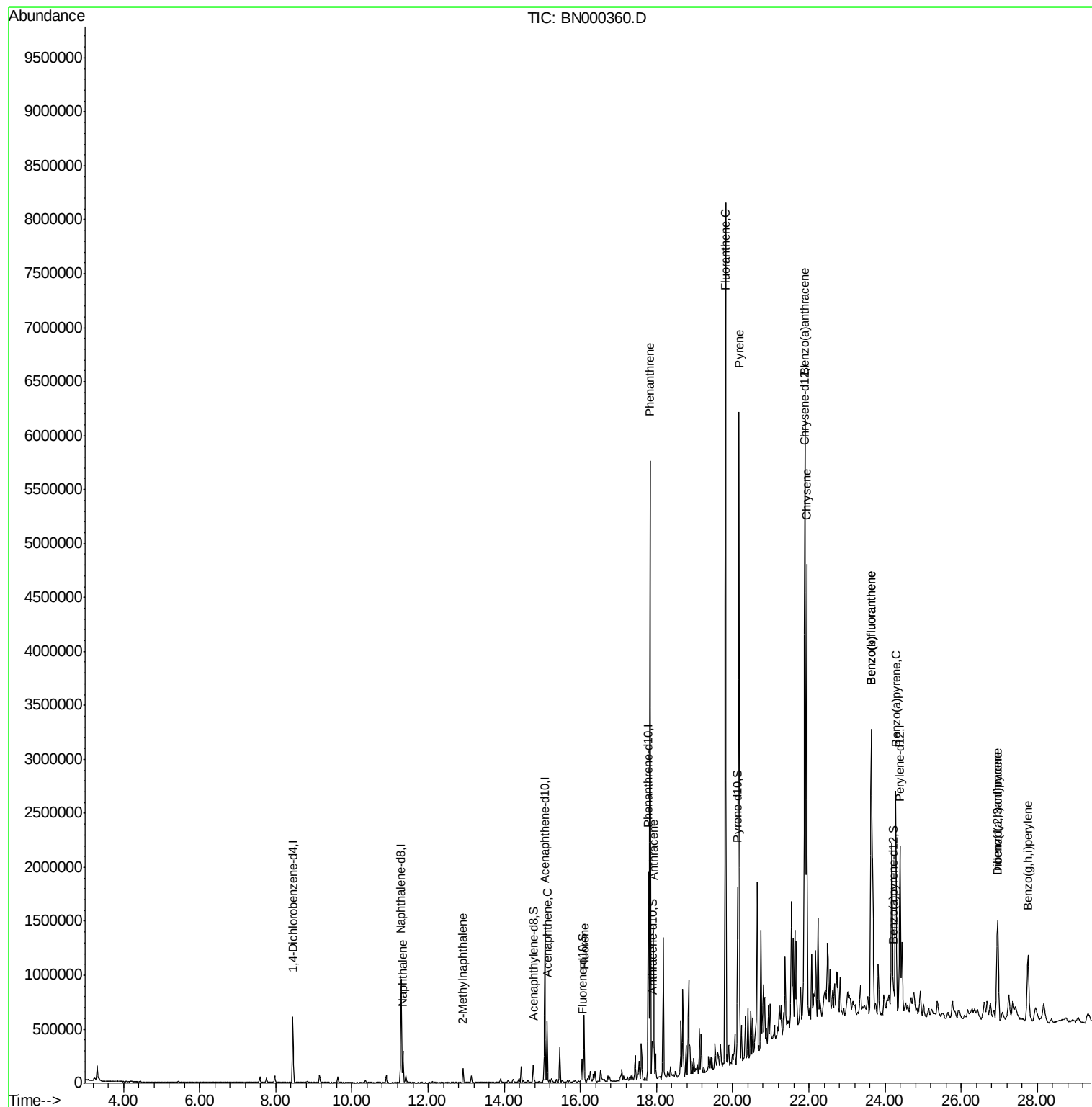
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	164868	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	795293	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	450599	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1062719	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1131632	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1115319	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	110327	2.47	ng/ul	0.00
10) Fluorene-d10	16.05	176	82250	2.72	ng/ul	0.00
14) Anthracene-d10	17.89	188	133713	2.69	ng/ul	0.00
18) Pyrene-d10	20.13	212	161886	2.92	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.23	264	138106	2.71	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	245547	5.851	ng/ul	98
4) 2-Methylnaphthalene	12.92	142	60603	2.051	ng/ul	94
9) Acenaphthene	15.13	153	218911	6.999	ng/ul	96
11) Fluorene	16.10	166	264197	7.658	ng/ul	94
13) Phenanthrene	17.83	178	3338638	54.780	ng/ul	99
15) Anthracene	17.92	178	848059	13.713	ng/ul	99
16) Fluoranthene	19.81	202	4489442	68.177	ng/ul#	92
19) Pyrene	20.17	202	3532311	49.440	ng/ul#	89
20) Benzo(a)anthracene	21.89	228	2187960	31.101	ng/ul	97
21) Chrysene	21.94	228	2007507	30.070	ng/ul	97
23) Benzo(b)fluoranthene	23.64	252	3112523	46.800	ng/ul#	96
24) Benzo(k)fluoranthene	23.64	252	2532135	40.674	ng/ul#	96
26) Benzo(a)pyrene	24.29	252	1467878	23.190	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	26.96	276	856347	12.547	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.96	278	279604	4.998	ng/ul#	83
29) Benzo(a,h,i)perylene	27.75	276	738452	12.959	ng/ul#	89

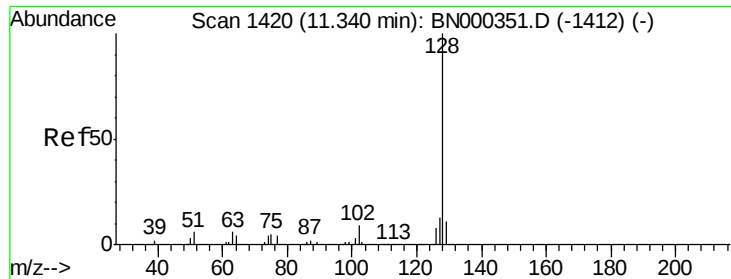
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 5.851 ng/ul

RT: 11.34 min Scan# 1420

Delta R.T. -0.00 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

Instrument :

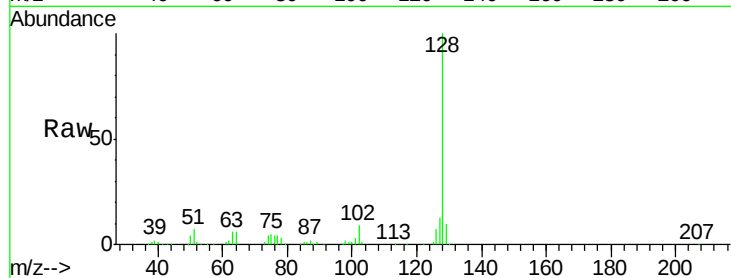
BNA_N

ClientSampleId :

DAM76DL

Tot Ion:128 Resp: 245547

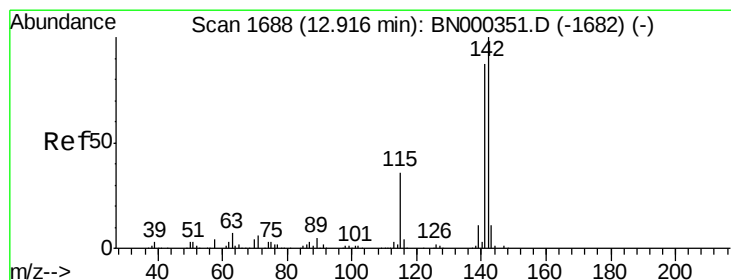
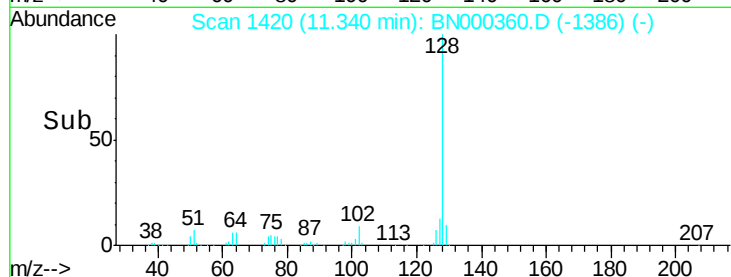
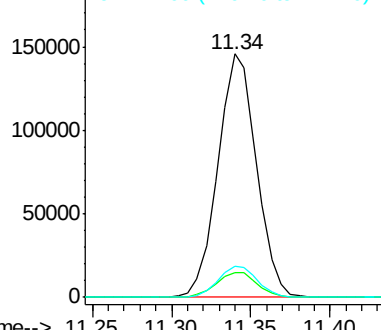
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.7	13.1
127	12.7	10.6	16.0



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



#4

2-Methylnaphthalene

Concen: 2.051 ng/ul

RT: 12.92 min Scan# 1688

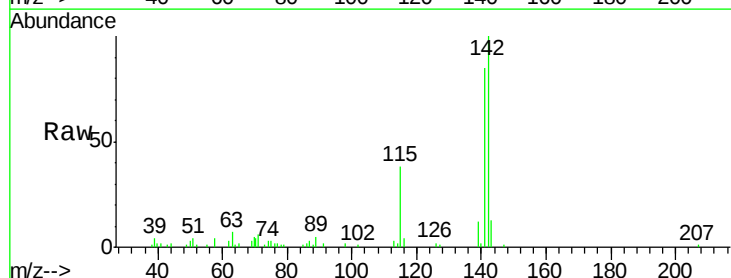
Delta R.T. -0.00 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

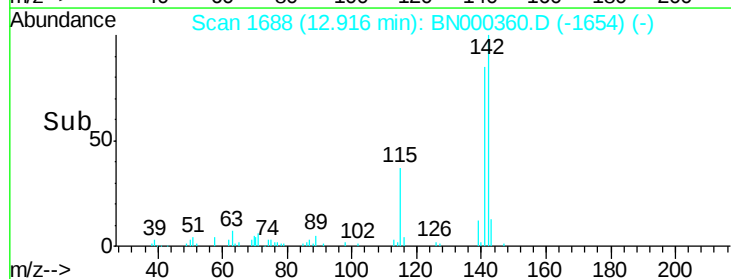
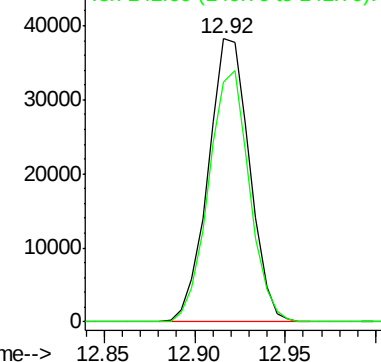
Tgt Ion:142 Resp: 60603

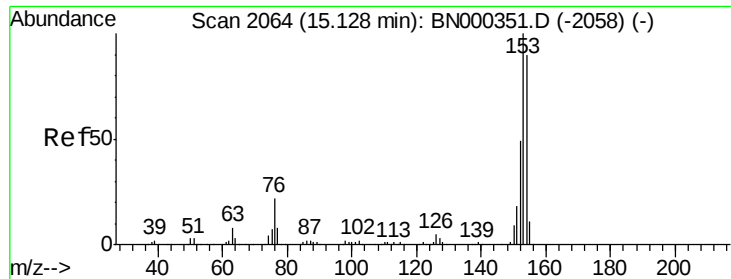
Ion	Ratio	Lower	Upper
142	100		
141	84.8	72.7	109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 6.999 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.00 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

Instrument :

BNA_N

ClientSampleId :

DAM76DL

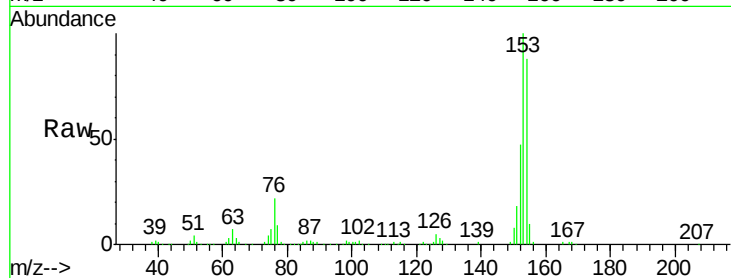
Tot Ion:153 Resp: 218911

Ion Ratio Lower Upper

153 100

152 47.0 39.0 58.6

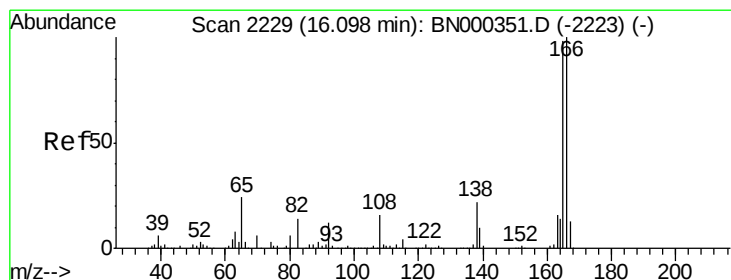
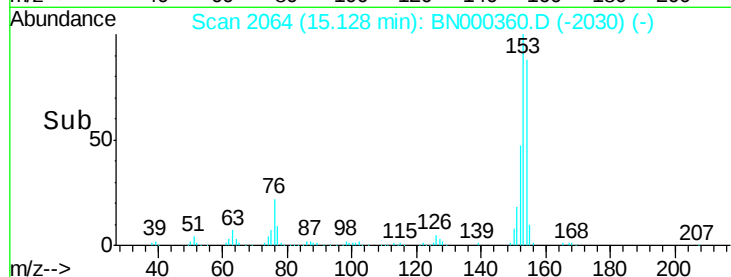
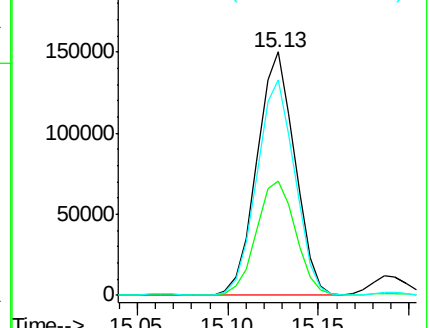
154 88.3 66.8 100.2



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



#11

Fluorene

Concen: 7.658 ng/ul

RT: 16.10 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

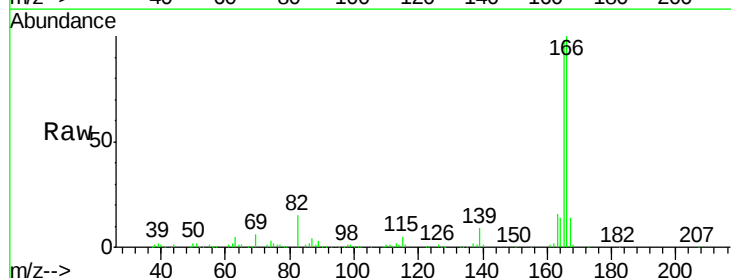
Tgt Ion:166 Resp: 264197

Ion Ratio Lower Upper

166 100

165 98.4 83.8 125.8

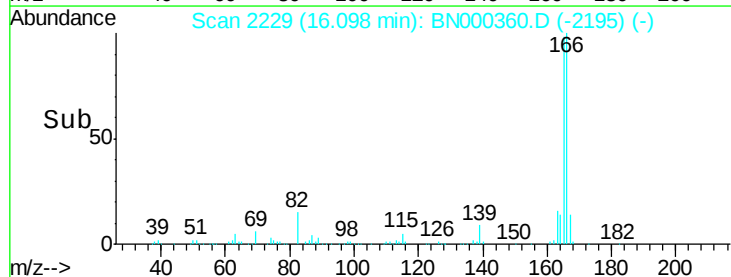
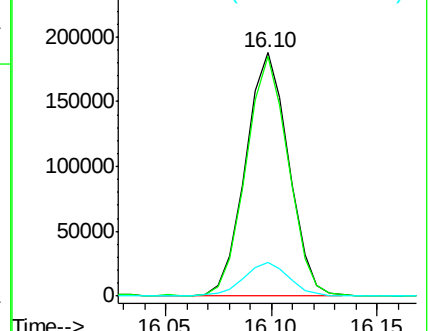
167 13.7 11.5 17.3

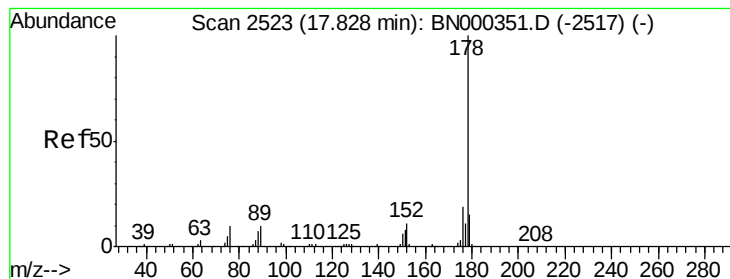


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 54.780 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

Instrument :

BNA_N

ClientSampleId :

DAM76DL

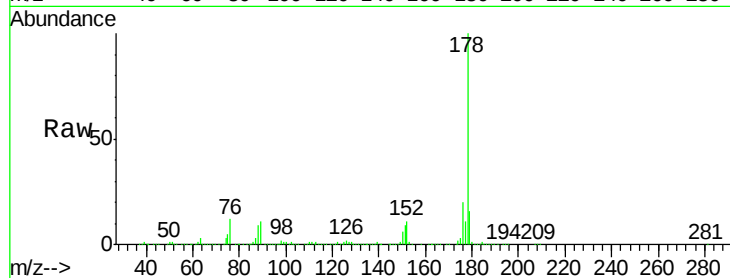
Tot Ion:178 Resp: 3338638

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

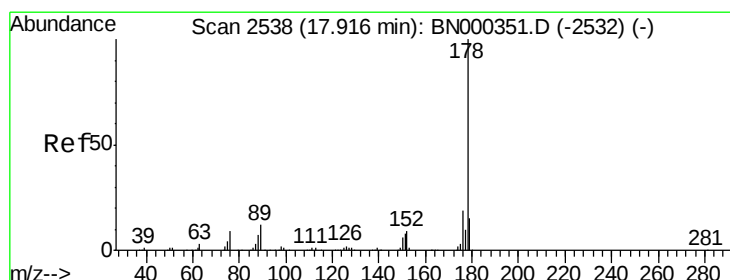
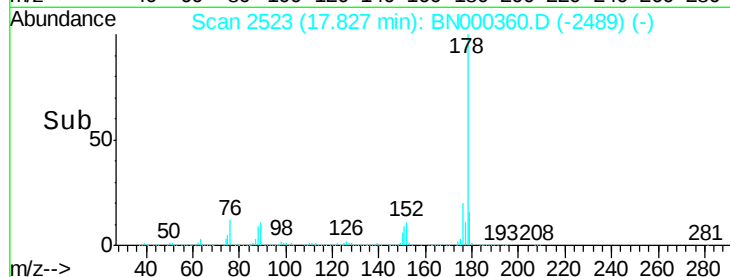
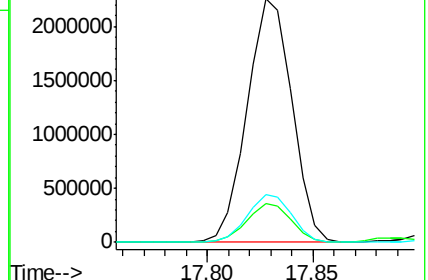
176 19.6 15.1 22.7



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



#15

Anthracene

Concen: 13.713 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

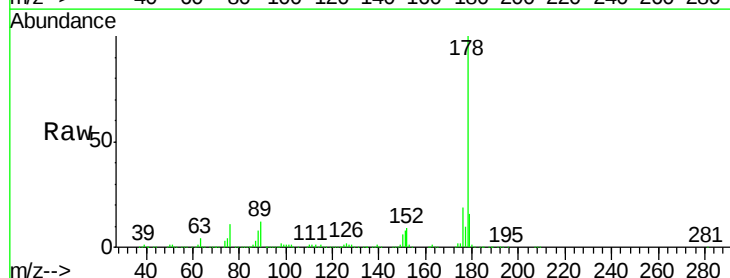
Tgt Ion:178 Resp: 848059

Ion Ratio Lower Upper

178 100

179 15.8 11.8 17.8

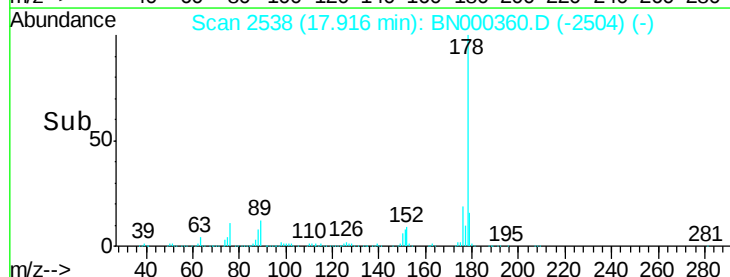
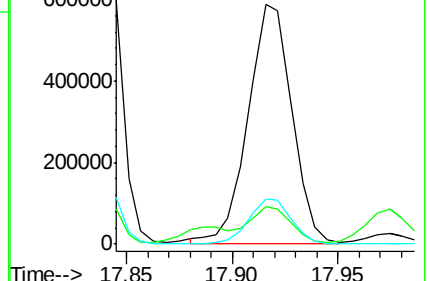
176 18.7 15.2 22.8

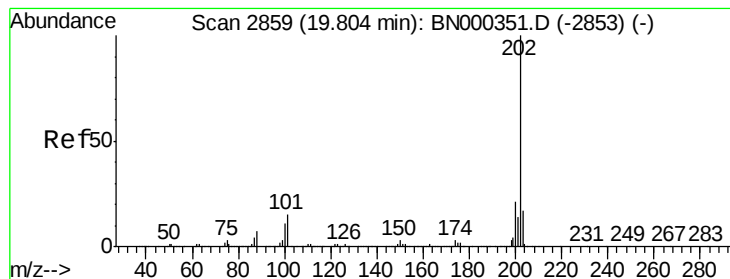


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 68.177 ng/ul

RT: 19.81 min Scan# 2860

Delta R.T. 0.01 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

Instrument :

BNA_N

ClientSampleId :

DAM76DL

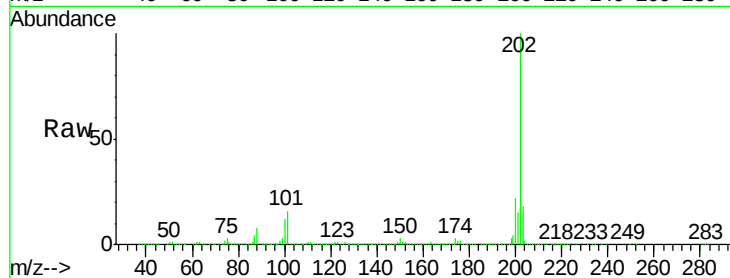
Tot Ion:202 Resp: 4489442

Ion Ratio Lower Upper

202 100

101 15.5 9.9 14.9#

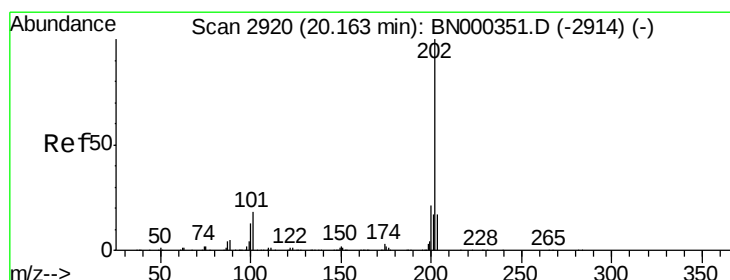
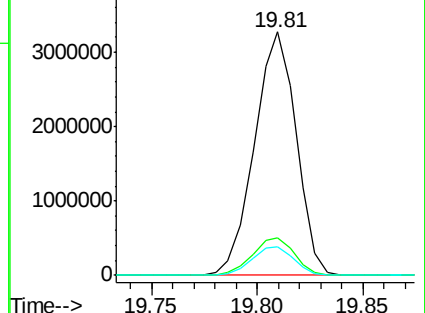
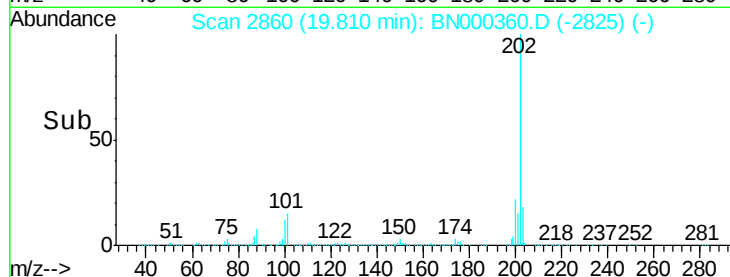
100 11.8 7.4 11.0#



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



#19

Pyrene

Concen: 49.440 ng/ul

RT: 20.17 min Scan# 2921

Delta R.T. 0.01 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

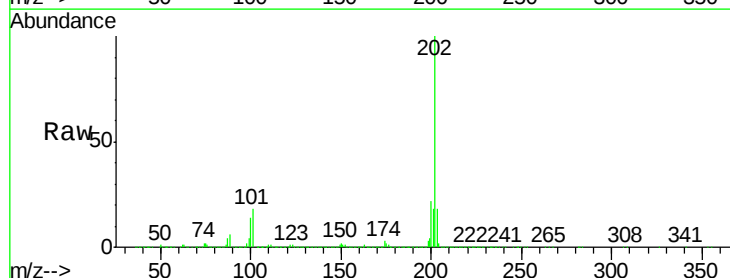
Tgt Ion:202 Resp: 3532311

Ion Ratio Lower Upper

202 100

101 18.1 11.0 16.4#

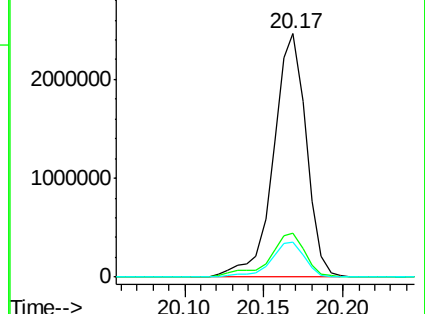
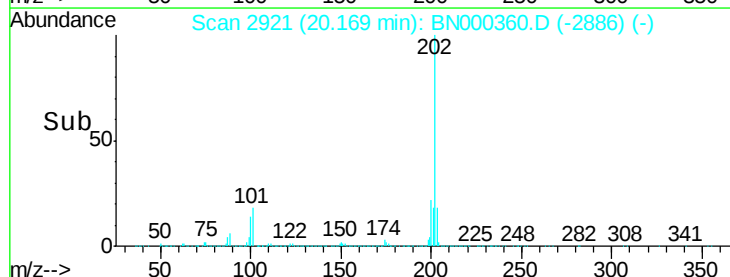
100 14.4 8.1 12.1#

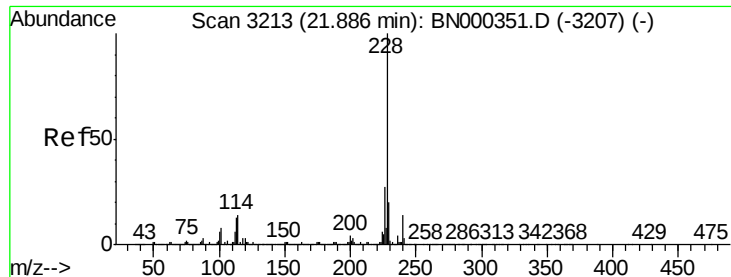


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 31.101 ng/ul

RT: 21.89 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

Instrument :

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ClientSampleId :

DAM76DL

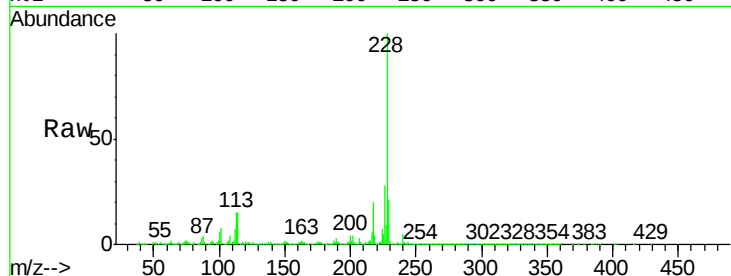
Tot Ion:228 Resp: 2187960

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

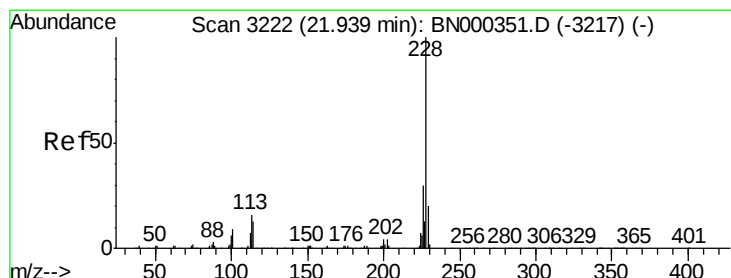
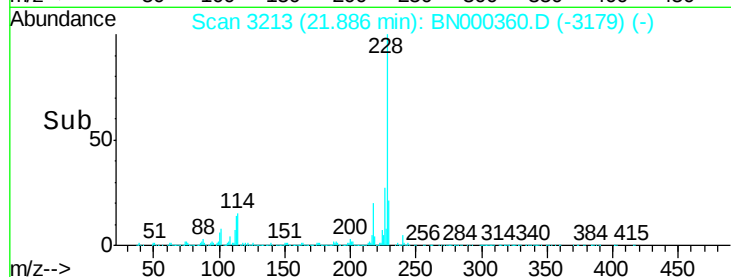
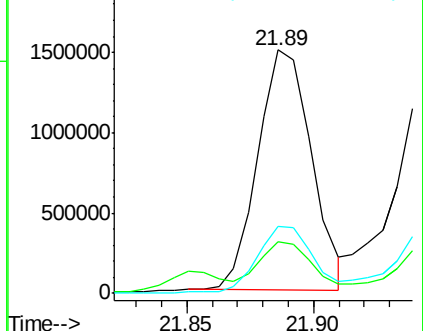
226 27.5 21.1 31.7



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



#21

Chrysene

Concen: 30.070 ng/ul

RT: 21.94 min Scan# 3223

Delta R.T. 0.01 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

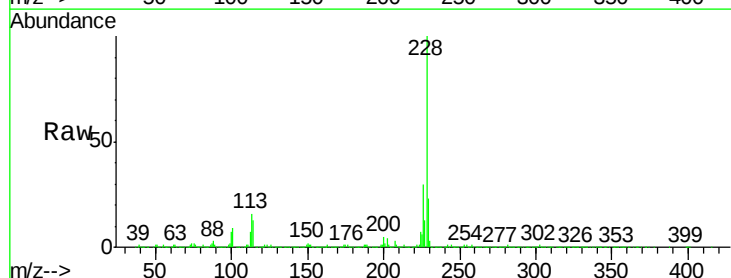
Tgt Ion:228 Resp: 2007507

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

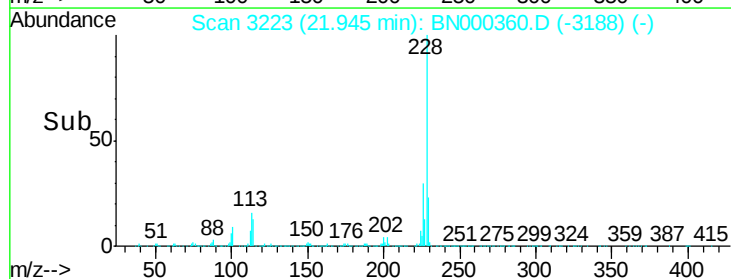
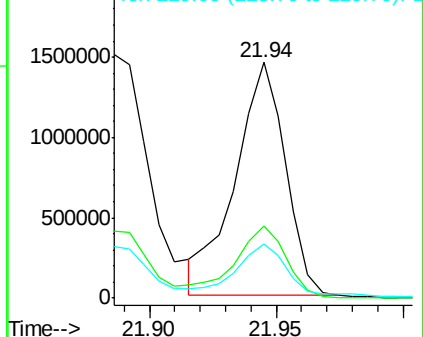
229 22.9 15.8 23.8

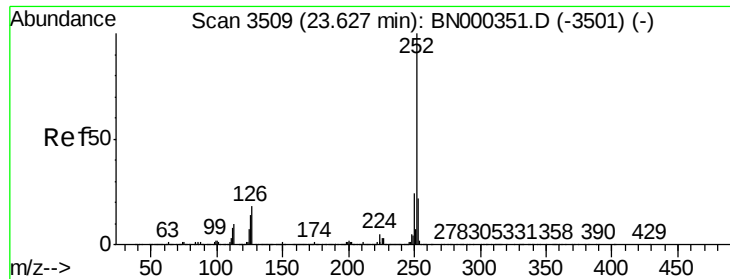


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 46.800 ng/ul

RT: 23.64 min Scan# 3511

Delta R.T. 0.01 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

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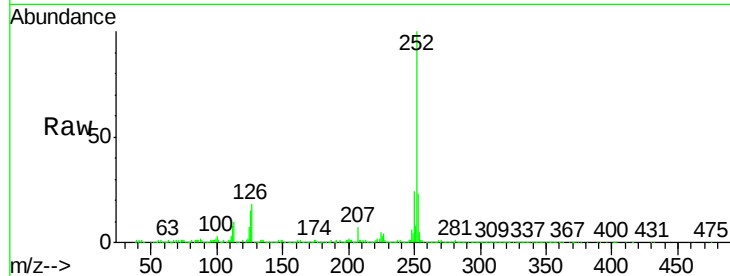
Tot Ion:252 Resp: 3112523

Ion Ratio Lower Upper

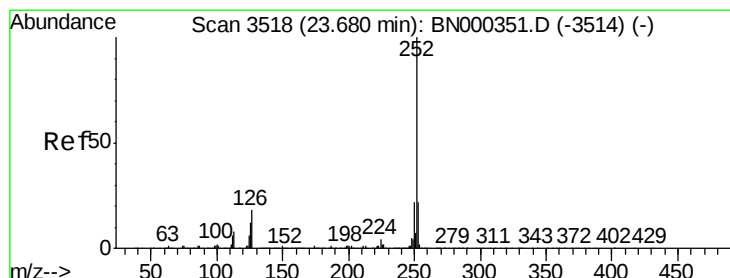
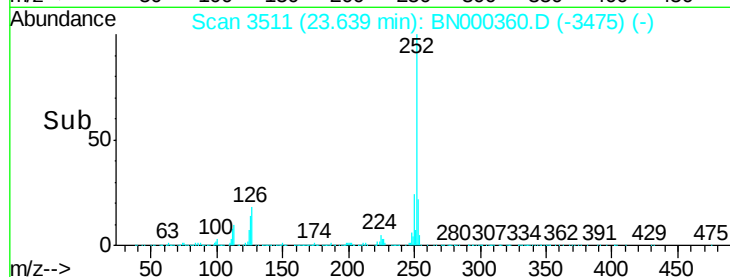
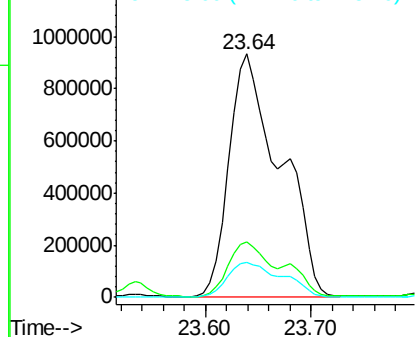
252 100

253 22.7 18.0 27.0

125 14.5 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 40.674 ng/ul

RT: 23.64 min Scan# 3511

Delta R.T. -0.04 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

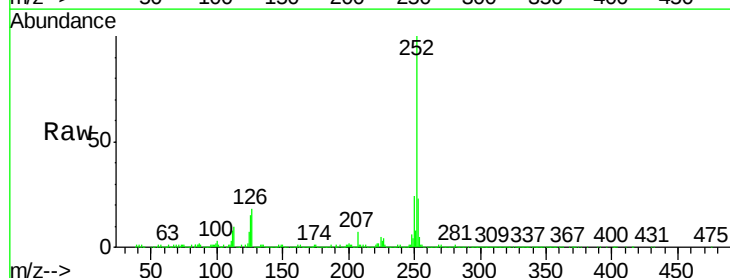
Tgt Ion:252 Resp: 2532135

Ion Ratio Lower Upper

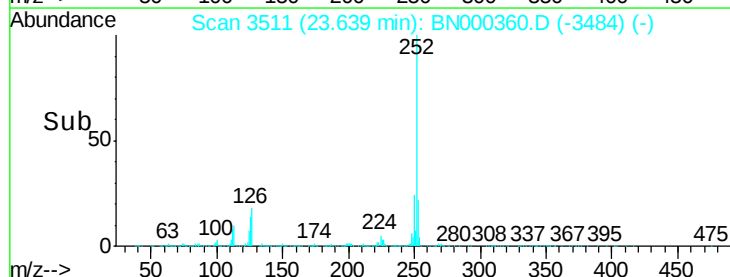
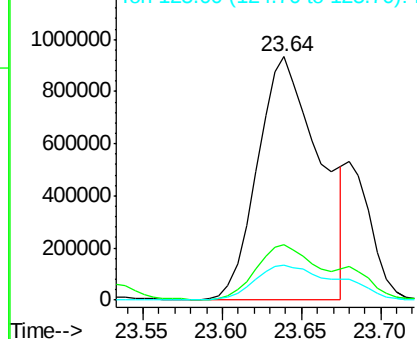
252 100

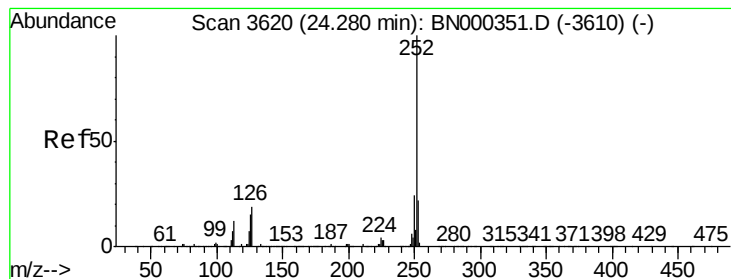
253 22.7 18.0 27.0

125 14.5 8.1 12.1#



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





#26

Benzo(a)pyrene

Concen: 23.190 ng/ul

RT: 24.29 min Scan# 3621

Delta R.T. 0.01 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

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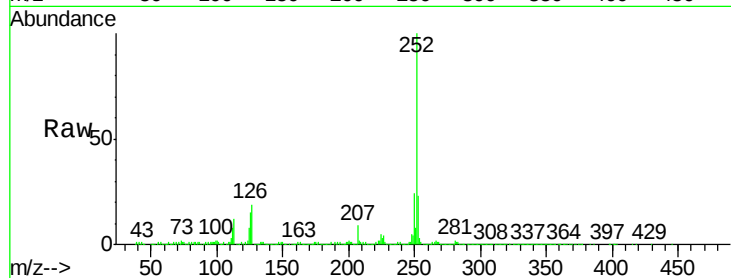
Tot Ion:252 Resp: 1467878

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

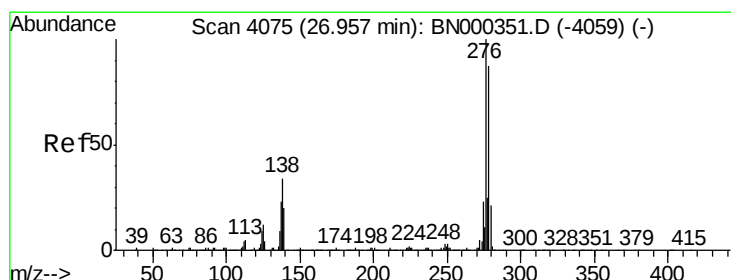
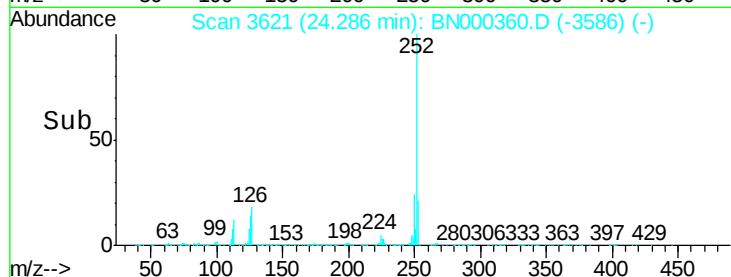
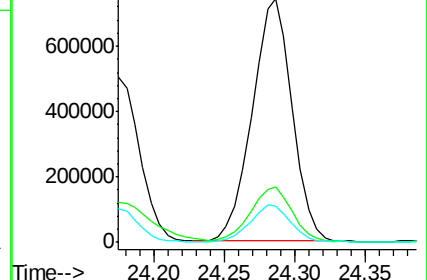
125 14.7 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 12.547 ng/ul

RT: 26.96 min Scan# 4075

Delta R.T. -0.00 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

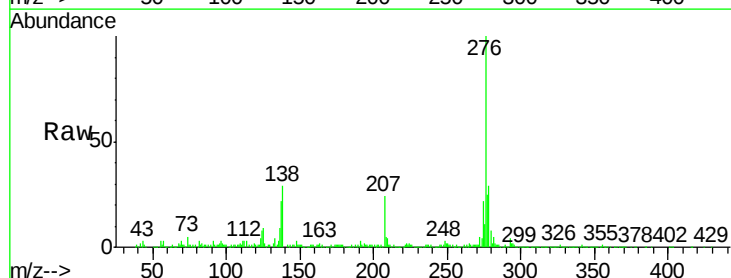
Tgt Ion:276 Resp: 856347

Ion Ratio Lower Upper

276 100

138 29.5 14.4 21.6#

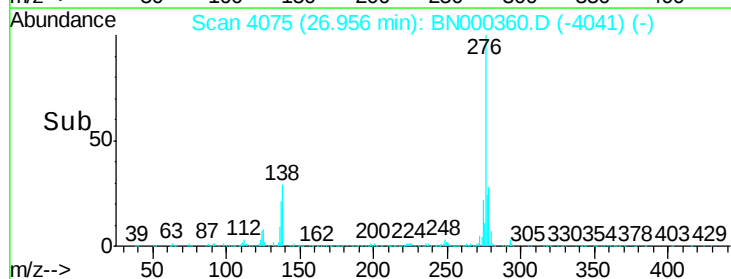
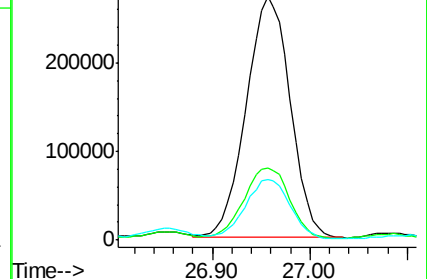
277 25.1 18.0 27.0

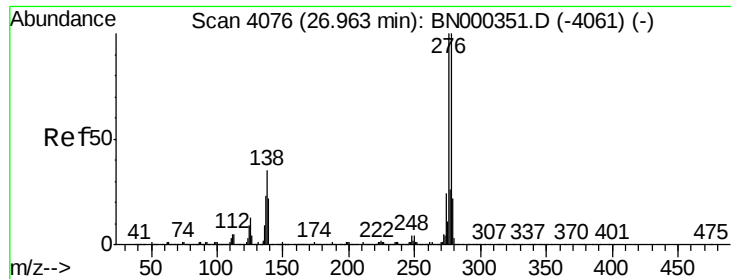


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 4.998 ng/ul

RT: 26.96 min Scan# 4075

Delta R.T. -0.01 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

Instrument :

BNA_N

ClientSampleId :

DAM76DL

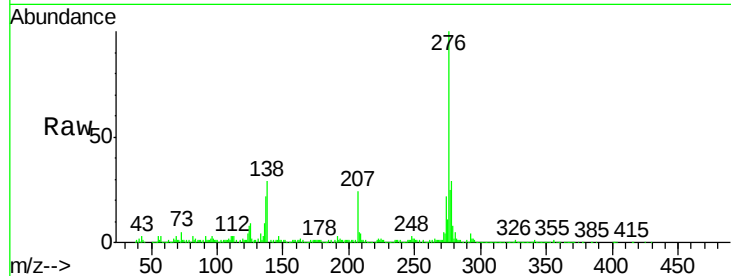
Tot Ion:278 Resp: 279604

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

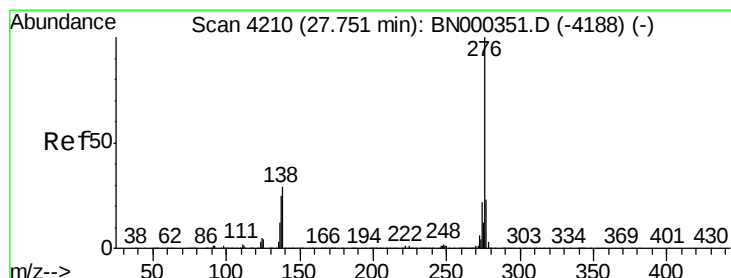
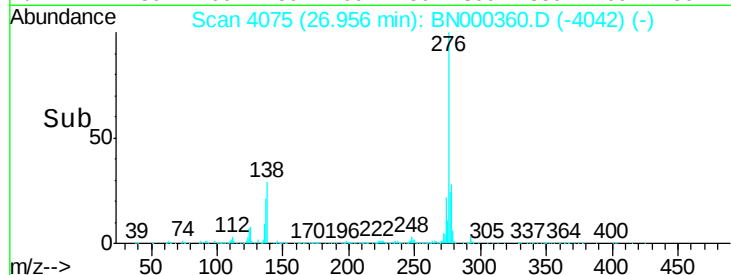
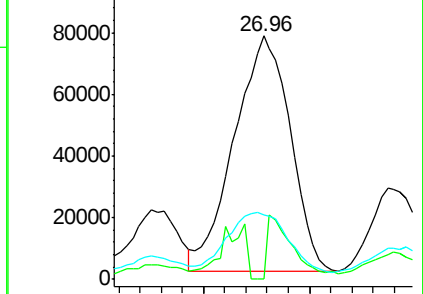
279 26.5 19.2 28.8



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



#29

Benzo(g,h,i)perylene

Concen: 12.959 ng/ul

RT: 27.75 min Scan# 4210

Delta R.T. -0.00 min

Lab File: BN000360.D

Acq: 13 Mar 2018 21:36

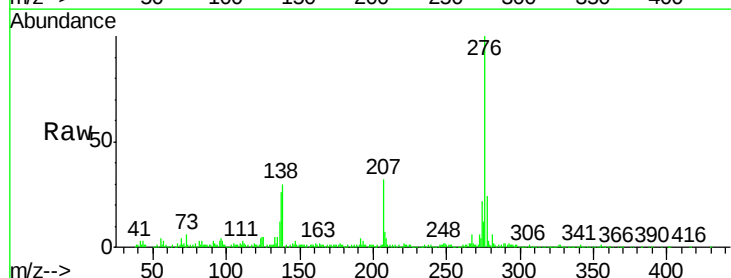
Tgt Ion:276 Resp: 738452

Ion Ratio Lower Upper

276 100

138 29.6 15.3 22.9#

277 23.8 19.0 28.4



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

