

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
 Data File : BN000377.D
 Acq On : 14 Mar 2018 16:48
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 15 06:40:34 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 15 06:39:08 2018
 Response via : Initial Calibration

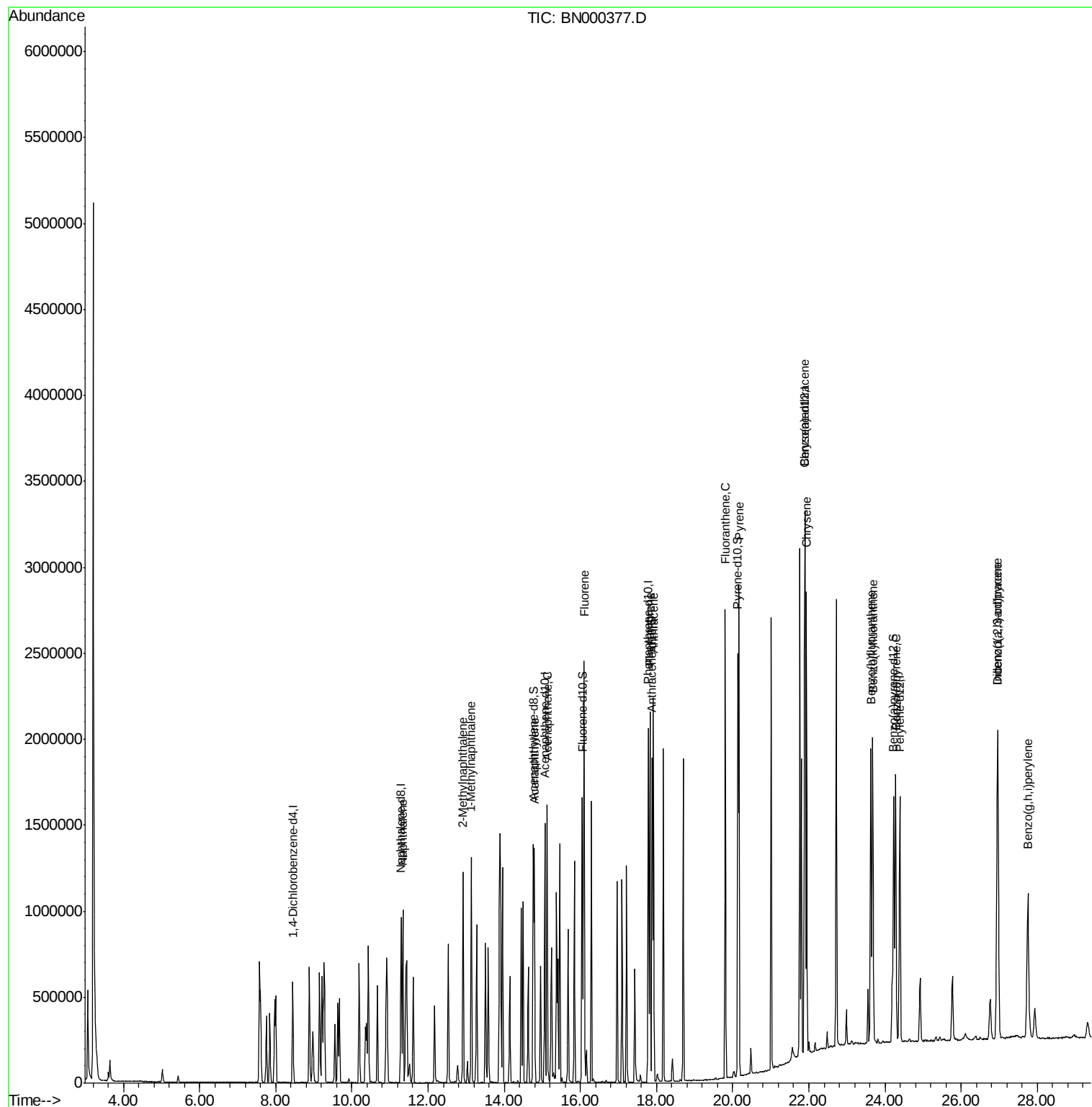
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	160965	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	807321	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	477322	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1100858	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1110968	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1015689	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	947577	20.00	ng/ul	0.00
10) Fluorene-d10	16.05	176	641753	20.00	ng/ul	0.00
14) Anthracene-d10	17.88	188	1016925	19.77	ng/ul	0.00
18) Pyrene-d10	20.13	212	1138909	20.95	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.23	264	923950	19.92	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	822646	19.310	ng/ul	99
4) 2-Methylnaphthalene	12.92	142	578892	19.303	ng/ul	99
5) 1-Methylnaphthalene	13.13	142	581622	19.325	ng/ul#	93
8) Acenaphthylene	14.79	152	940896	19.764	ng/ul	98
9) Acenaphthene	15.13	153	642344	19.386	ng/ul	96
11) Fluorene	16.10	166	730067	19.977	ng/ul	94
13) Phenanthrene	17.83	178	1215878	19.259	ng/ul	99
15) Anthracene	17.92	178	1262938	19.715	ng/ul	99
16) Fluoranthene	19.80	202	1444046	21.170	ng/ul#	94
19) Pyrene	20.16	202	1484190	21.160	ng/ul#	89
20) Benzo(a)anthracene	21.89	228	1366072	19.779	ng/ul	99
21) Chrysene	21.94	228	1275697	19.464	ng/ul	99
23) Benzo(b)fluoranthene	23.63	252	1188609	19.625	ng/ul#	96
24) Benzo(k)fluoranthene	23.68	252	1134752	20.016	ng/ul#	96
26) Benzo(a)pyrene	24.28	252	1136957	19.724	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	26.96	276	1235549	19.879	ng/ul#	81
28) Dibenzo(a,h)anthracene	26.96	278	1030000	20.218	ng/ul#	92
29) Benzo(g,h,i)perylene	27.75	276	1021007	19.675	ng/ul#	91

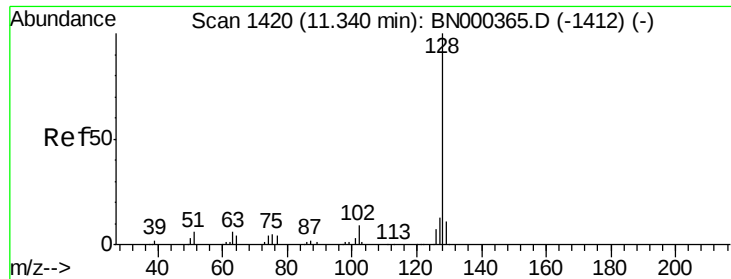
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Mar 15 06:40:34 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 15 06:39:08 2018
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#3

Naphthalene

Concen: 19.310 ng/ul

RT: 11.34 min Scan# 1420

Delta R.T. 0.00 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

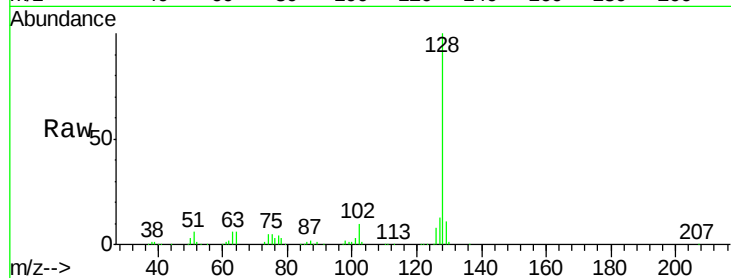
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 822646

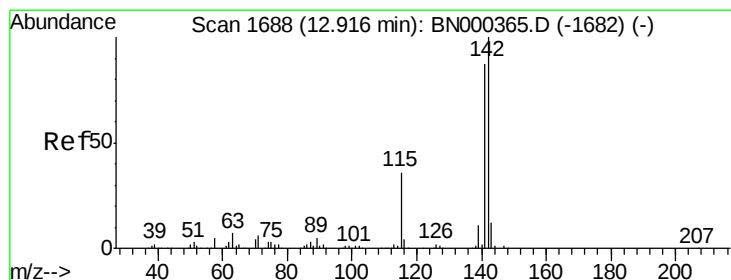
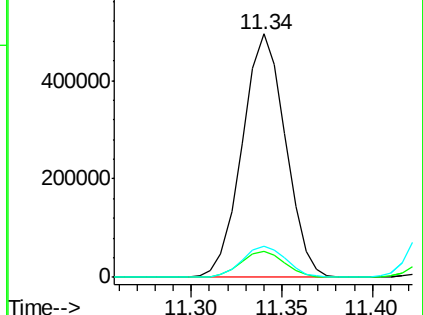
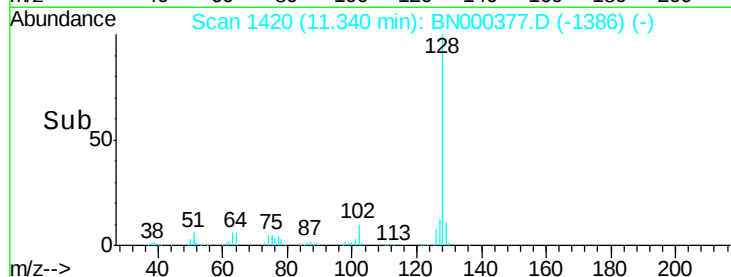
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.9	10.6	16.0



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: 19.303 ng/ul

RT: 12.92 min Scan# 1688

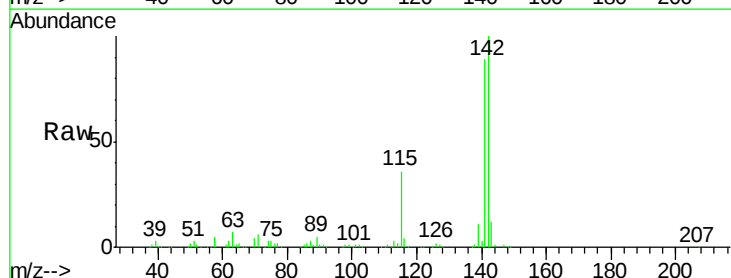
Delta R.T. 0.00 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

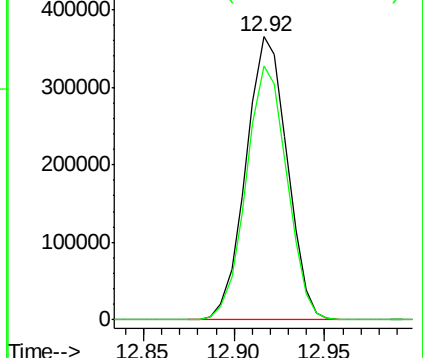
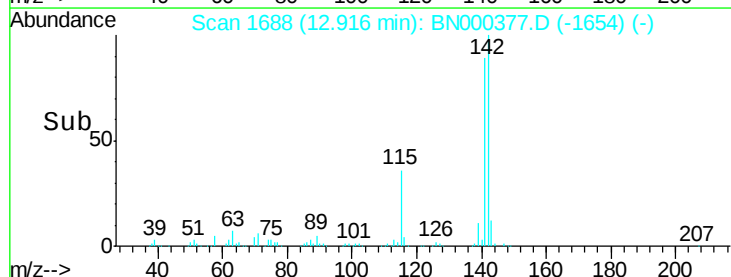
Tgt Ion:142 Resp: 578892

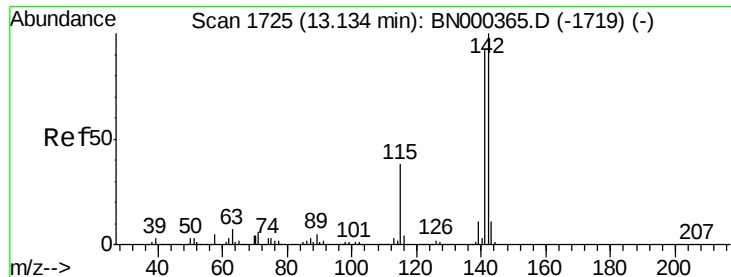
Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.7	109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.325 ng/ul

RT: 13.13 min Scan# 1725

Delta R.T. 0.00 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

Instrument :

BNA_N

ClientSampleId :

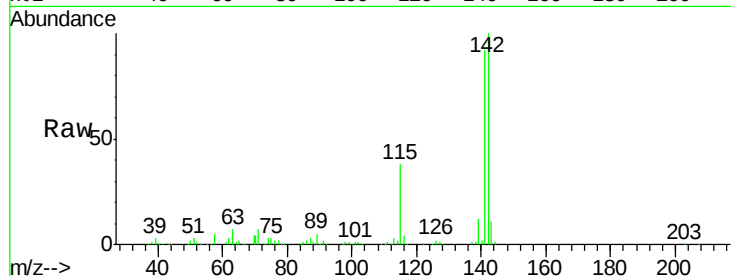
Tot Ion:142 Resp: 581622

Ion Ratio Lower Upper

142 100

141 91.7 79.3 118.9

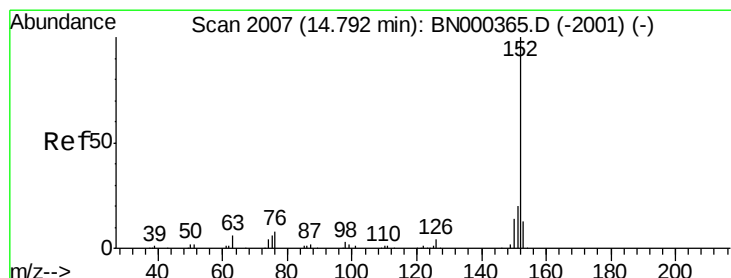
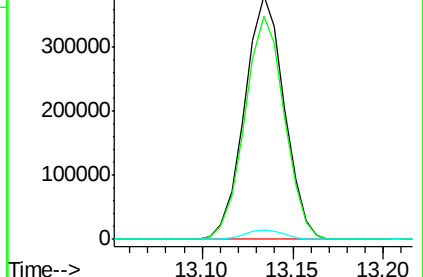
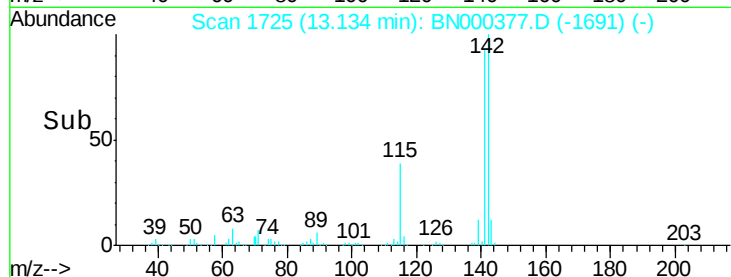
116 4.0 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 19.764 ng/ul

RT: 14.79 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

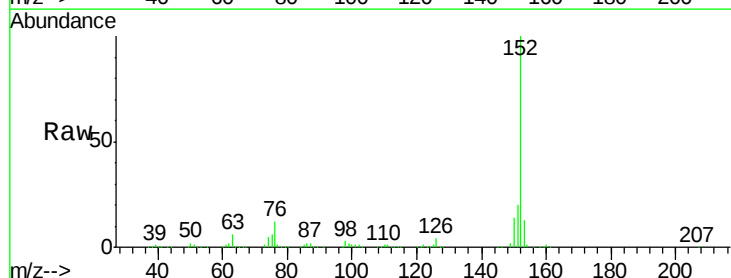
Tgt Ion:152 Resp: 940896

Ion Ratio Lower Upper

152 100

151 19.6 16.7 25.1

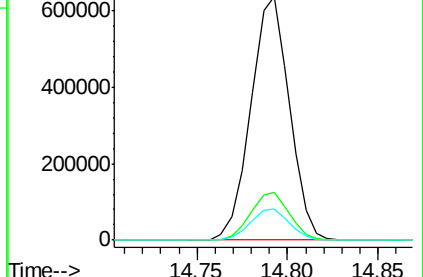
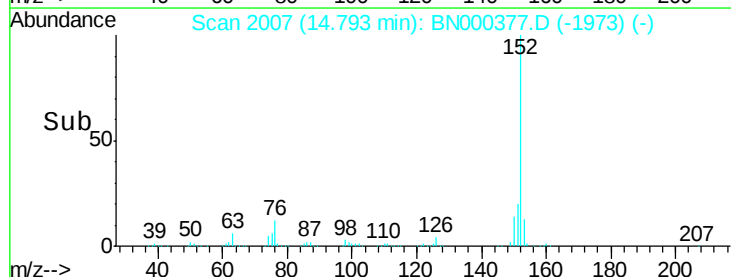
153 12.6 10.2 15.4

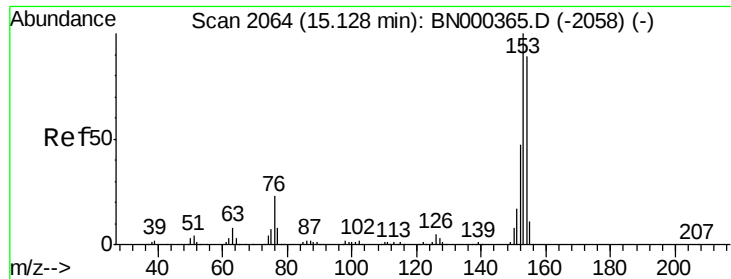


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.386 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

Instrument :

BNA_N

ClientSampled :

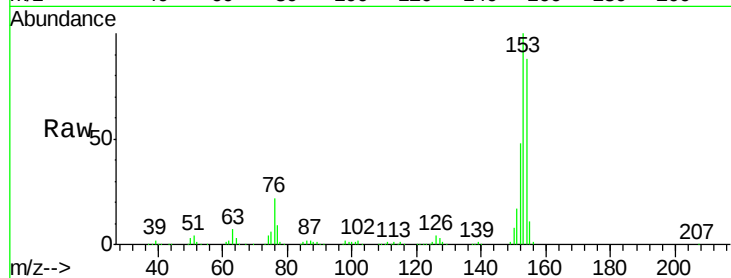
Tot Ion:153 Resp: 642344

Ion Ratio Lower Upper

153 100

152 47.8 39.0 58.6

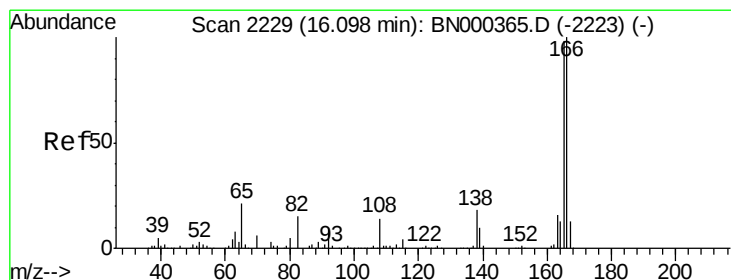
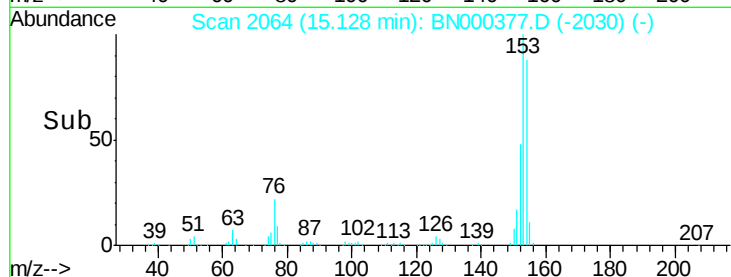
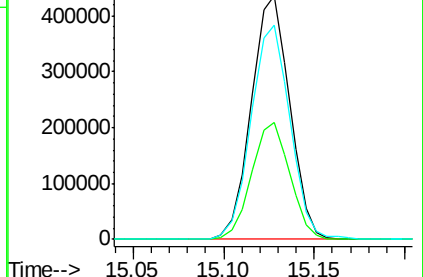
154 88.0 66.8 100.2



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: 19.977 ng/ul

RT: 16.10 min Scan# 2229

Delta R.T. 0.00 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

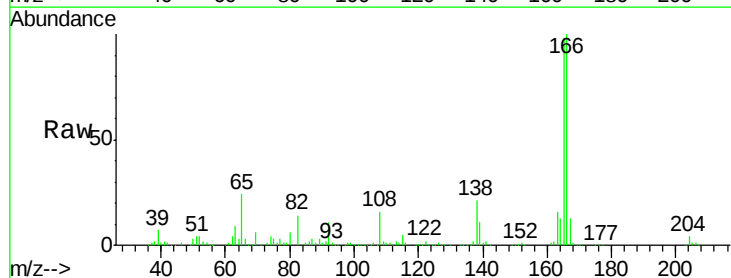
Tgt Ion:166 Resp: 730067

Ion Ratio Lower Upper

166 100

165 97.7 83.8 125.8

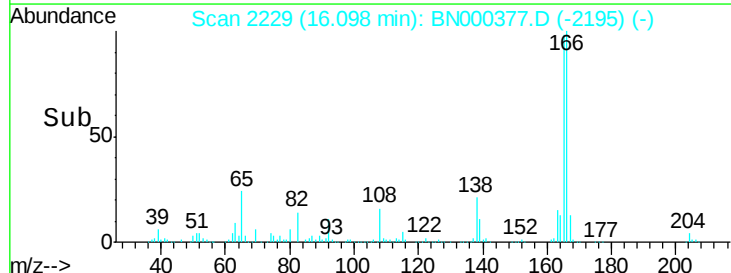
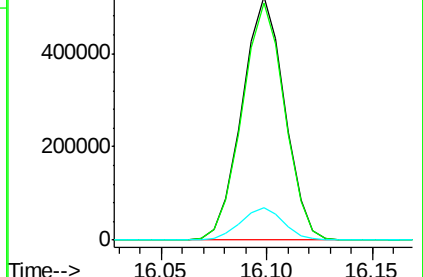
167 13.2 11.5 17.3

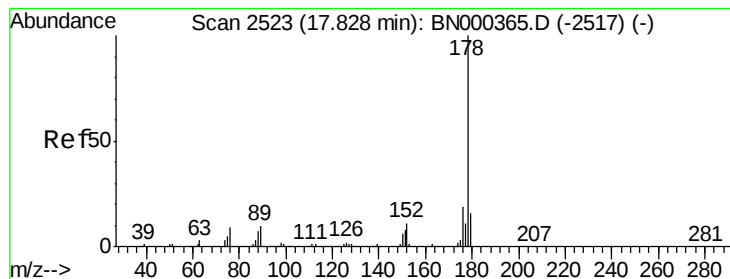


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.259 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. 0.00 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

Instrument :

BNA_N

ClientSampleId :

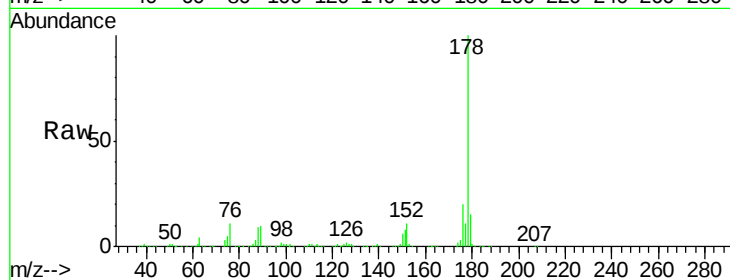
Tot Ion:178 Resp: 1215878

Ion Ratio Lower Upper

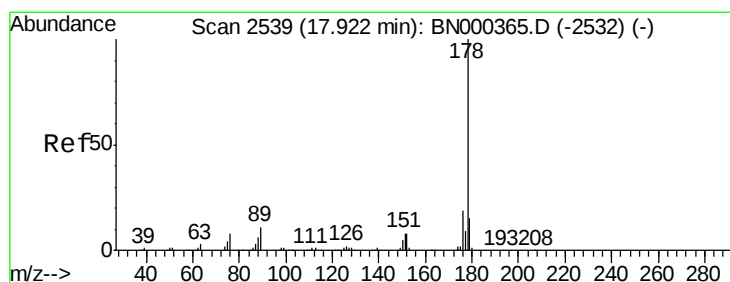
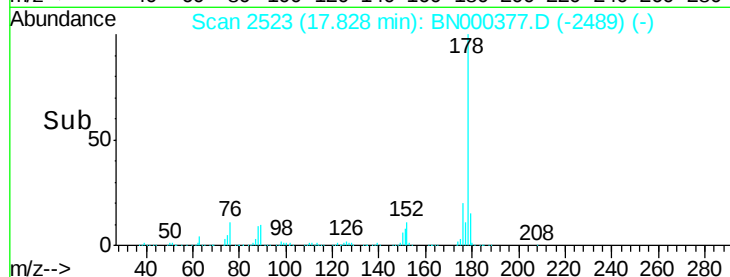
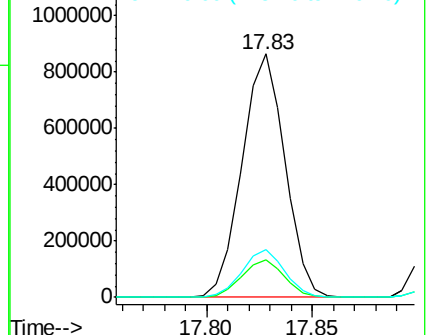
178 100

179 15.3 12.3 18.5

176 19.5 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



#15

Anthracene

Concen: 19.715 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

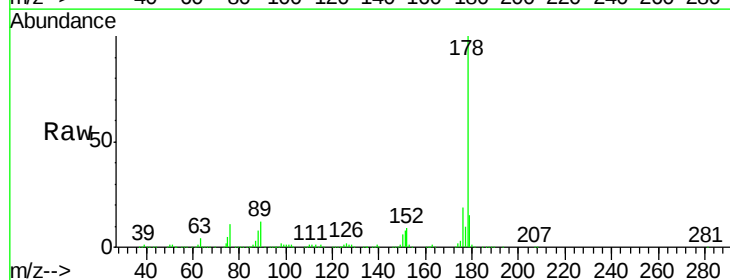
Tgt Ion:178 Resp: 1262938

Ion Ratio Lower Upper

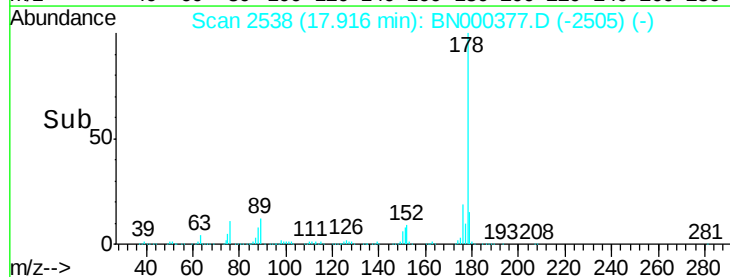
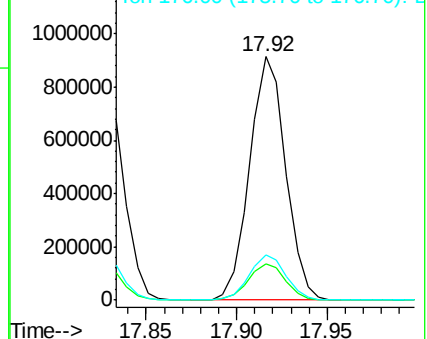
178 100

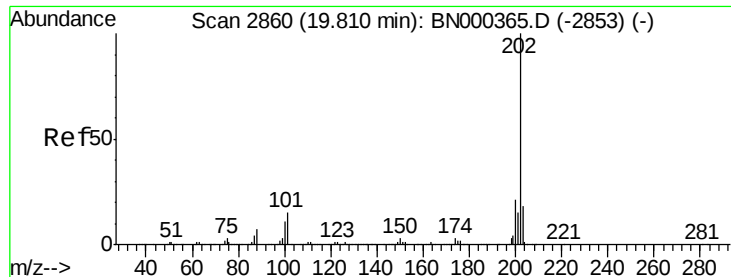
179 15.2 11.8 17.8

176 18.6 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: 21.170 ng/ul

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

Instrument :

BNA_N

ClientSampleId :

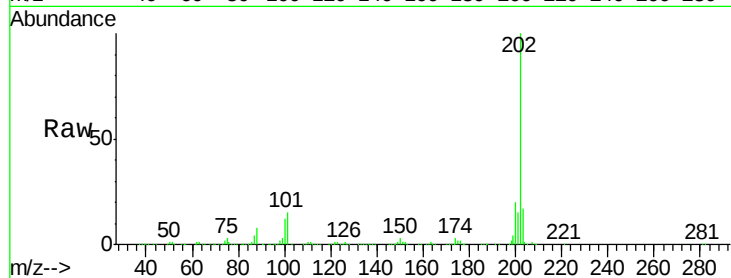
Tot Ion:202 Resp: 1444046

Ion Ratio Lower Upper

202 100

101 14.9 9.9 14.9#

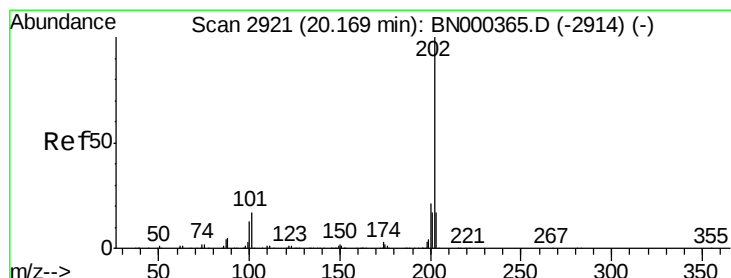
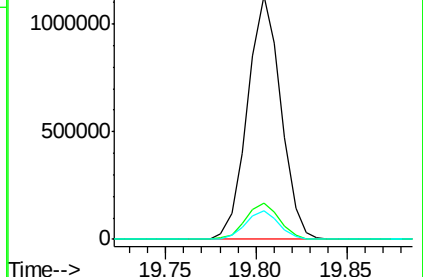
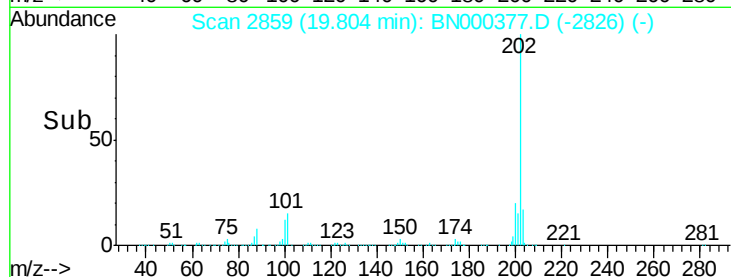
100 11.6 7.4 11.0#



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: 21.160 ng/ul

RT: 20.16 min Scan# 2920

Delta R.T. -0.01 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

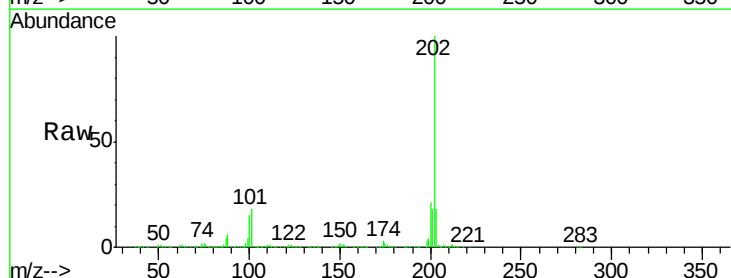
Tgt Ion:202 Resp: 1484190

Ion Ratio Lower Upper

202 100

101 17.9 11.0 16.4#

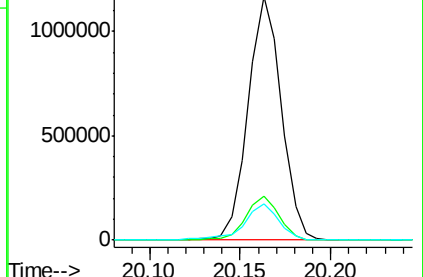
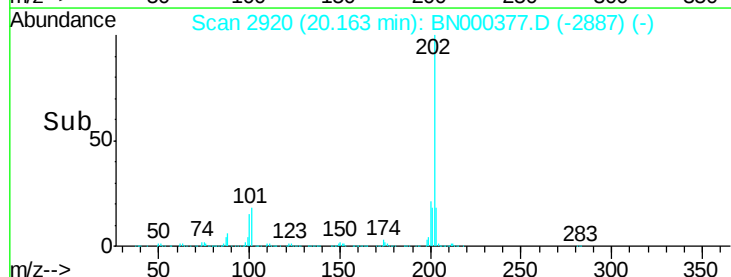
100 14.7 8.1 12.1#

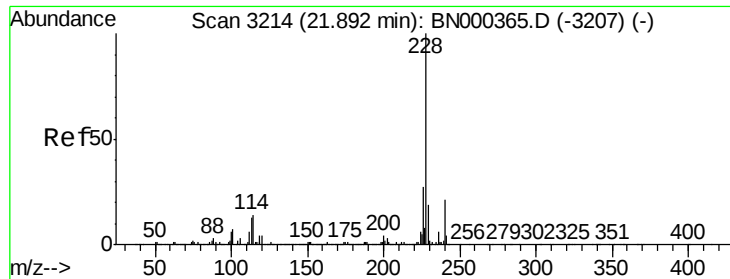


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 19.779 ng/ul

RT: 21.89 min Scan# 3213

Delta R.T. -0.01 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

Instrument :

BNA_N

ClientSampled :

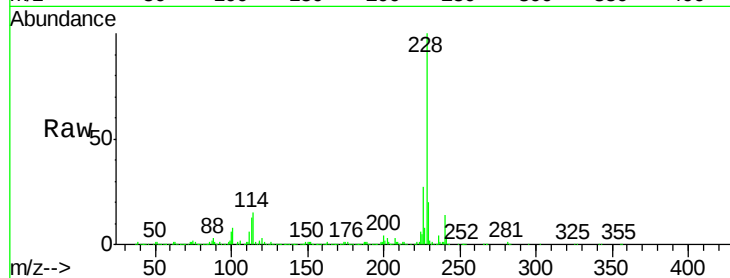
Tot Ion:228 Resp: 1366072

Ion Ratio Lower Upper

228 100

229 19.9 15.7 23.5

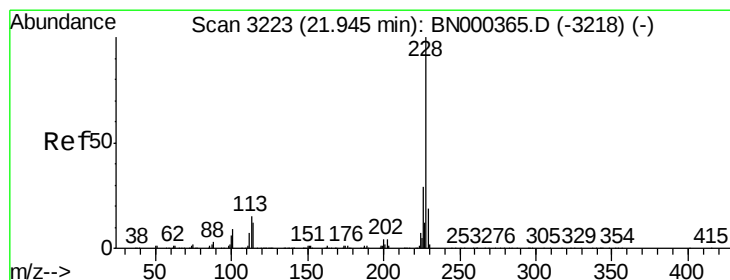
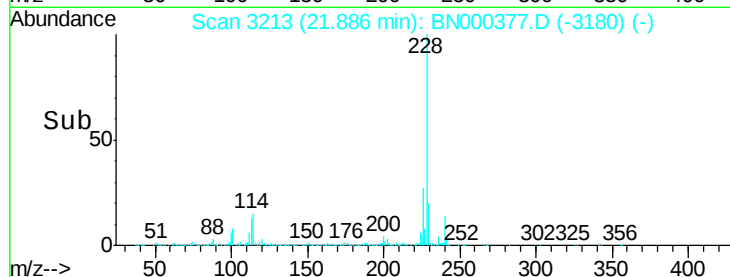
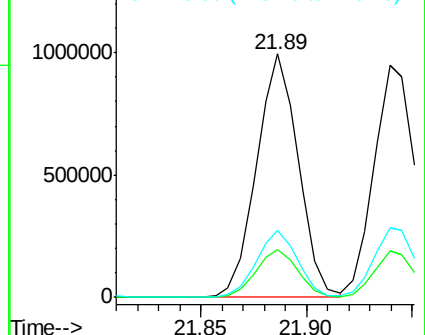
226 27.3 21.1 31.7



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: 19.464 ng/ul

RT: 21.94 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

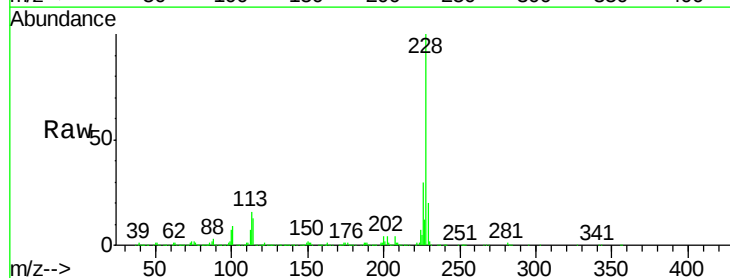
Tgt Ion:228 Resp: 1275697

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

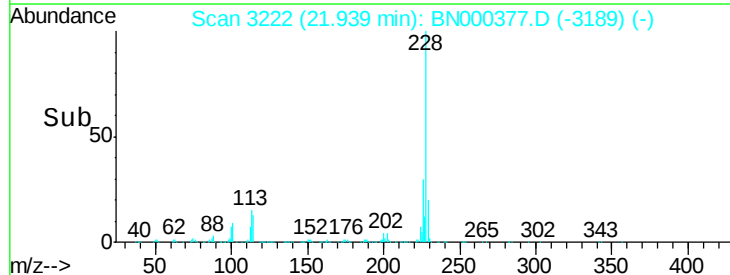
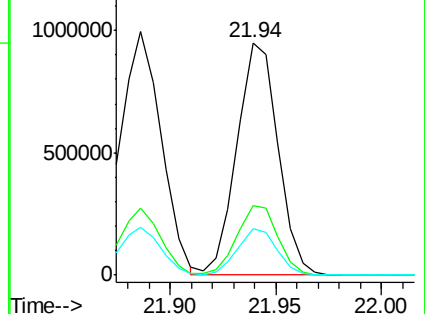
229 19.7 15.8 23.8

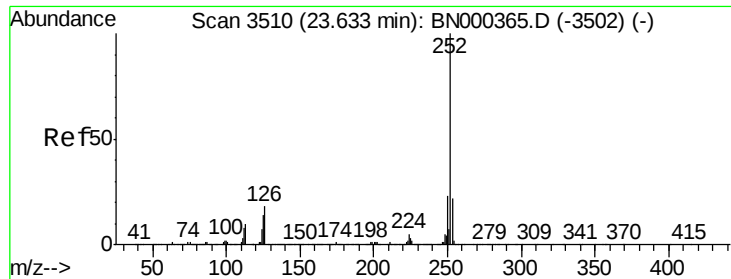


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.625 ng/ul

RT: 23.63 min Scan# 3509

Delta R.T. -0.01 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

Instrument :

BNA_N

ClientSampleId :

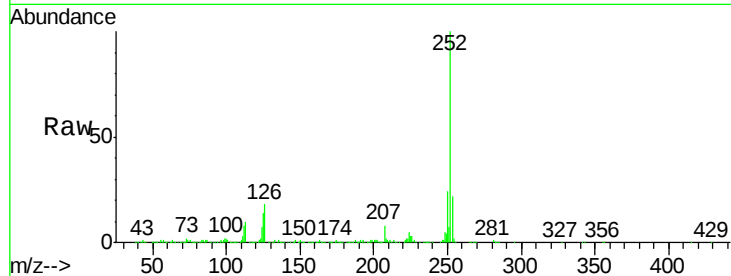
Tot Ion:252 Resp: 1188609

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

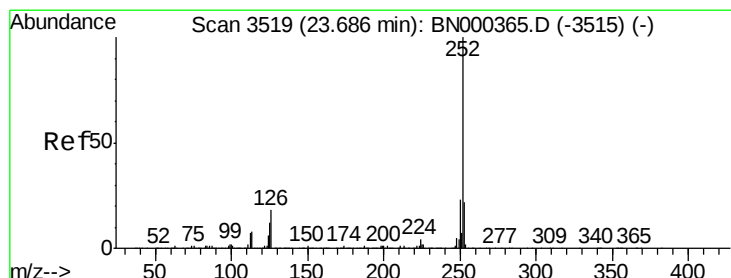
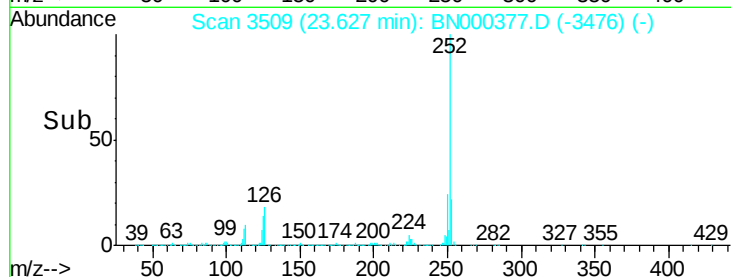
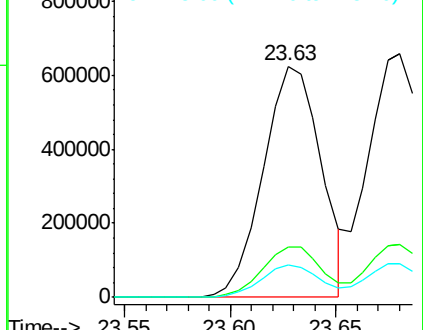
125 13.8 8.0 12.0#



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: 20.016 ng/ul

RT: 23.68 min Scan# 3518

Delta R.T. -0.01 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

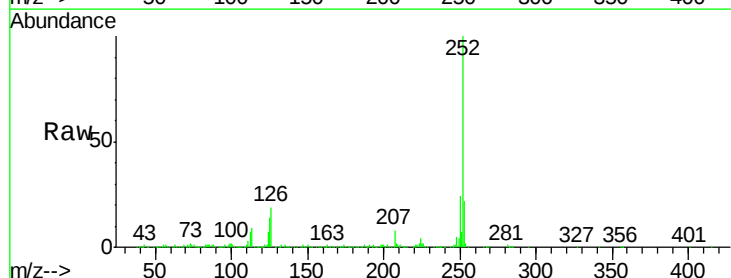
Tgt Ion:252 Resp: 1134752

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

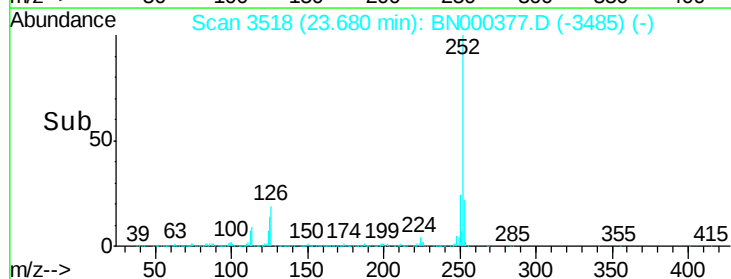
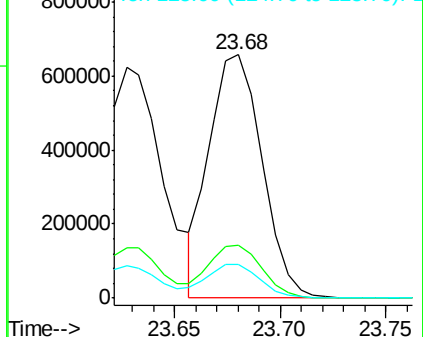
125 13.6 8.1 12.1#

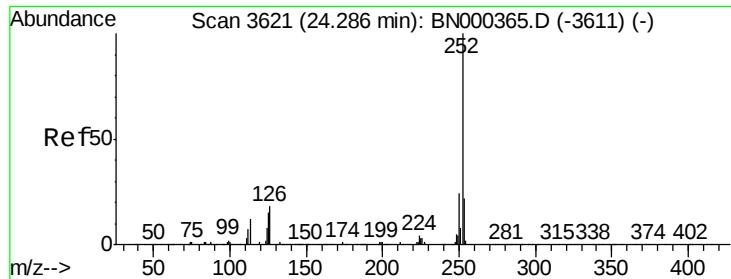


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

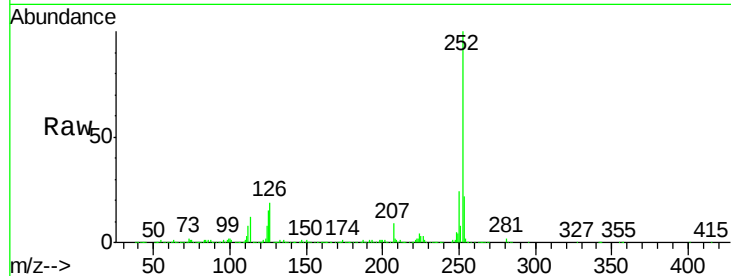




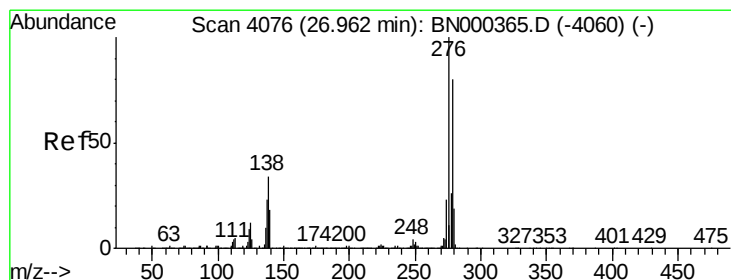
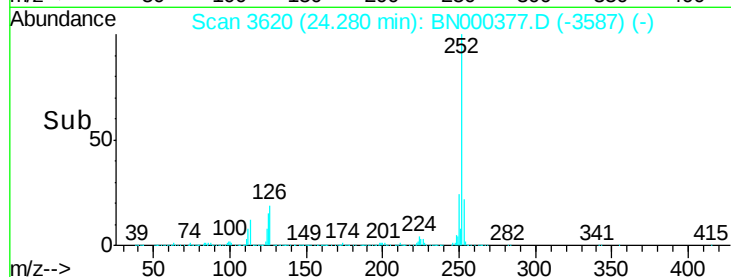
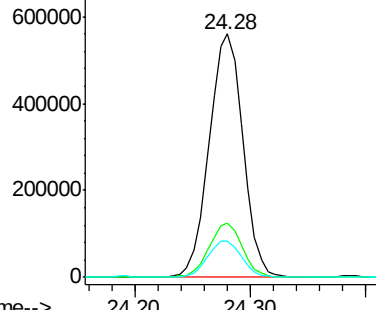
#26
Benzo(a)pyrene
Concen: 19.724 ng/ul
RT: 24.28 min Scan# 3620
Delta R.T. -0.01 min
Lab File: BN000377.D
Acq: 14 Mar 2018 16:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 1136957
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 14.8 8.2 12.4#

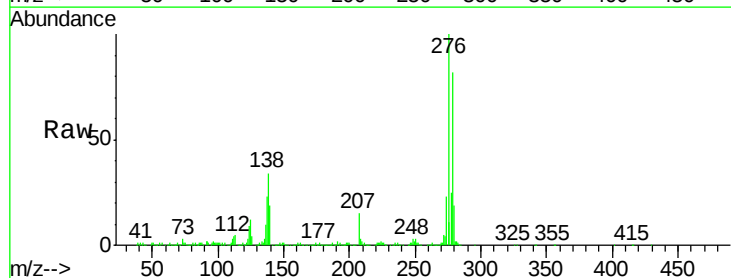


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

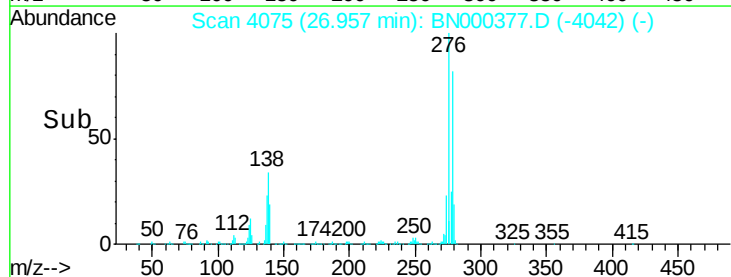
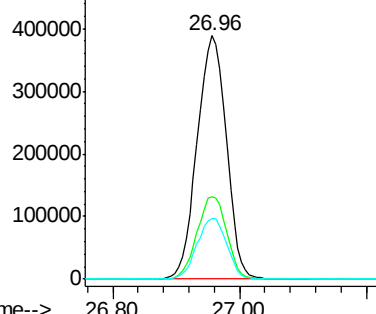


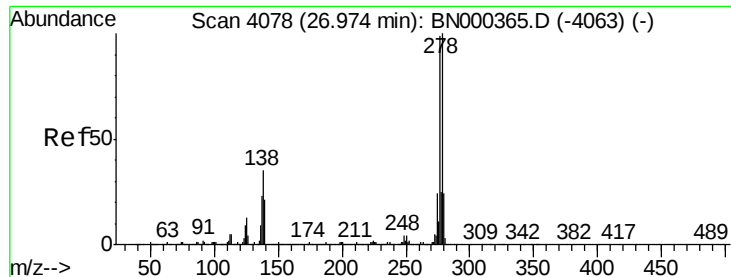
#27
Indeno(1,2,3-cd)pyrene
Concen: 19.879 ng/ul
RT: 26.96 min Scan# 4075
Delta R.T. -0.01 min
Lab File: BN000377.D
Acq: 14 Mar 2018 16:48

Tgt Ion:276 Resp: 1235549
Ion Ratio Lower Upper
276 100
138 33.7 14.4 21.6#
277 25.0 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: 20.218 ng/ul

RT: 26.96 min Scan# 4076

Delta R.T. -0.01 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

Instrument :

BNA_N

ClientSampleId :

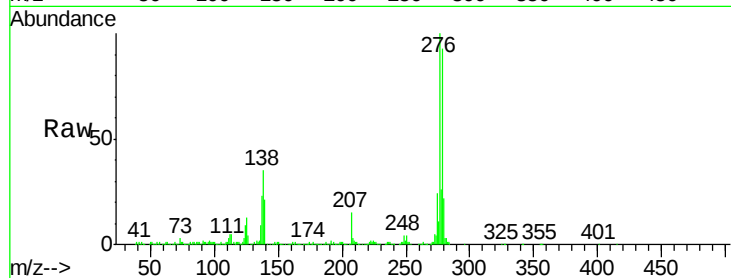
Tot Ion:278 Resp: 1030000

Ion Ratio Lower Upper

278 100

139 22.4 12.2 18.4#

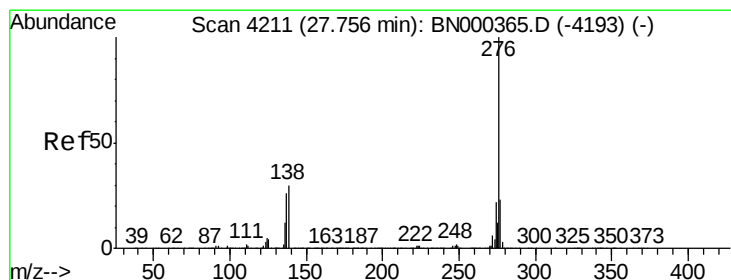
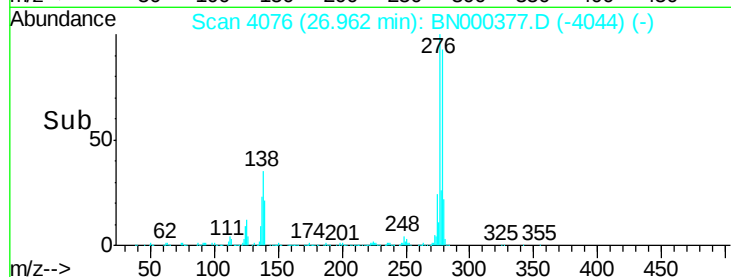
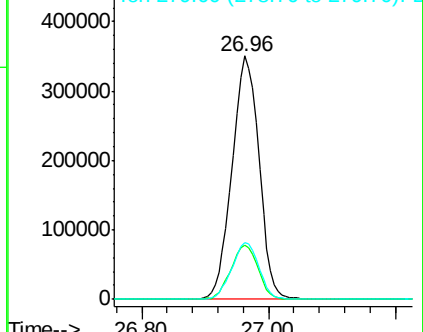
279 23.2 19.2 28.8



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: 19.675 ng/ul

RT: 27.75 min Scan# 4210

Delta R.T. -0.01 min

Lab File: BN000377.D

Acq: 14 Mar 2018 16:48

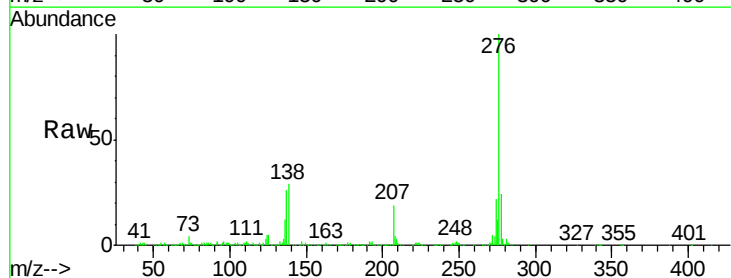
Tgt Ion:276 Resp: 1021007

Ion Ratio Lower Upper

276 100

138 28.5 15.3 22.9#

277 23.7 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

