

Data Path : Z:\HPCHEM1\BNA N\DATA\BN043018\
 Data File : BN001008.D
 Acq On : 30 Apr 2018 23:59
 Operator : JU/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 01 01:31:47 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 01 01:29:35 2018
 Response via : Initial Calibration

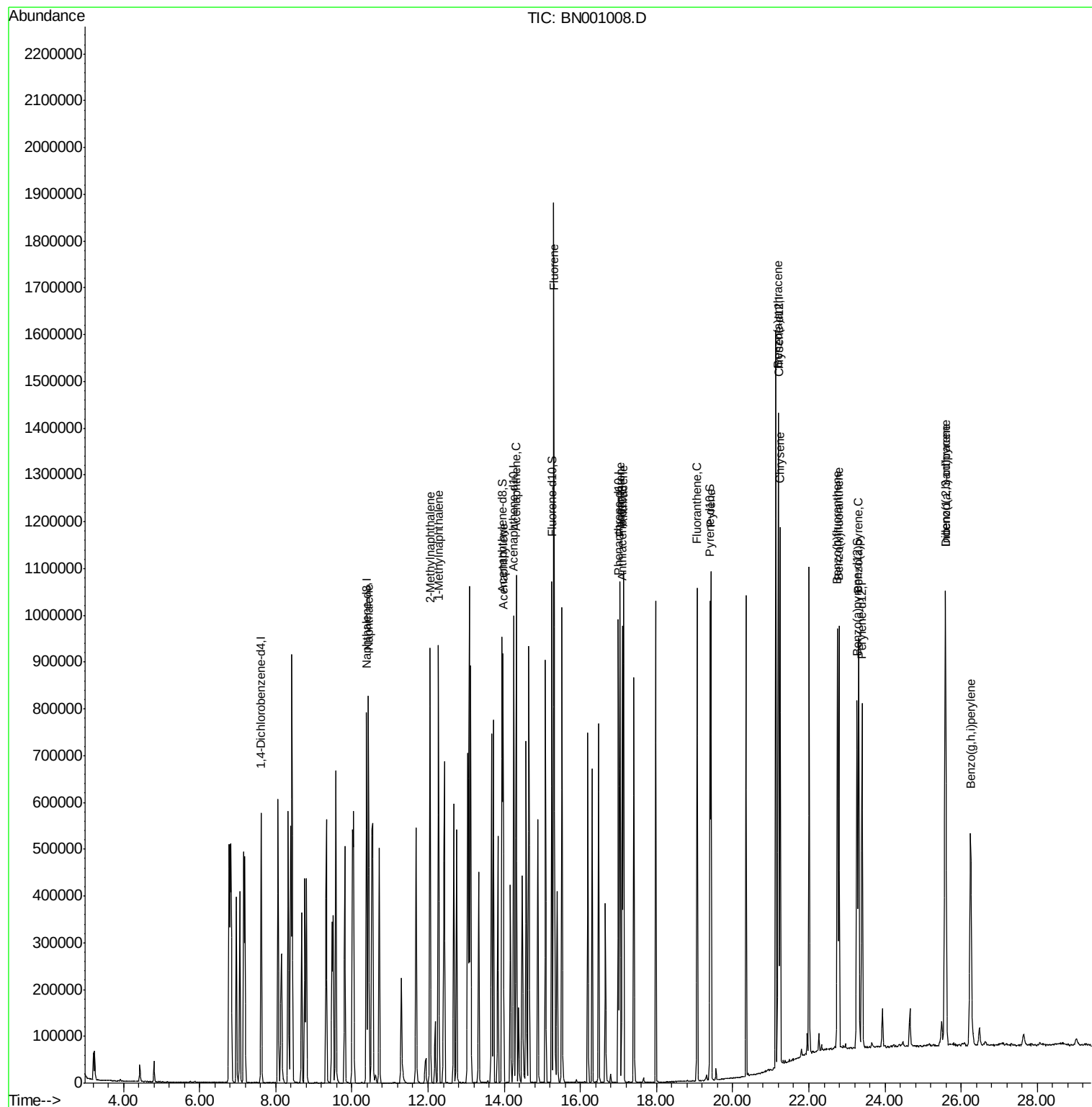
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	146793	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	628729	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	305331	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	542770	20.00	ng/ul	0.00
17) Chrysene-d12	21.21	240	442419	20.00	ng/ul	0.00
22) Perylene-d12	23.40	264	462638	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.94	160	616449	21.02	ng/ul	0.00
10) Fluorene-d10	15.25	176	387348	19.79	ng/ul	0.00
14) Anthracene-d10	17.10	188	508588	20.49	ng/ul	0.00
18) Pyrene-d10	19.40	212	466598	20.58	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.26	264	446690	20.44	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	638399	20.147	ng/ul	100
4) 2-Methylnaphthalene	12.05	142	420914	19.909	ng/ul	99
5) 1-Methylnaphthalene	12.27	142	412938	19.914	ng/ul#	93
8) Acenaphthylene	13.97	152	597647	20.592	ng/ul	99
9) Acenaphthene	14.32	153	403978	20.146	ng/ul	95
11) Fluorene	15.30	166	426801	19.994	ng/ul	93
13) Phenanthrene	17.05	178	591463	19.980	ng/ul	99
15) Anthracene	17.13	178	601391	20.254	ng/ul	99
16) Fluoranthene	19.07	202	584754	19.469	ng/ul#	93
19) Pyrene	19.43	202	573417	20.178	ng/ul#	90
20) Benzo(a)anthracene	21.19	228	539189	20.388	ng/ul	99
21) Chrysene	21.25	228	500563	20.137	ng/ul	99
23) Benzo(b)fluoranthene	22.75	252	569751	21.670	ng/ul#	97
24) Benzo(k)fluoranthene	22.79	252	479365	18.633	ng/ul#	96
26) Benzo(a)pyrene	23.31	252	511303	20.349	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	25.59	276	604549	19.920	ng/ul#	84
28) Dibenzo(a,h)anthracene	25.59	278	505643	19.991	ng/ul#	95
29) Benzo(a,h,i)perylene	26.24	276	505037	19.897	ng/ul#	92

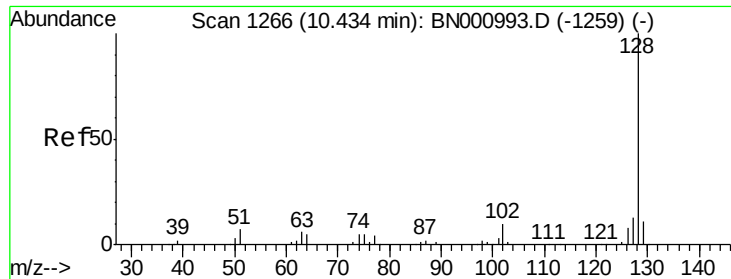
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.147 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

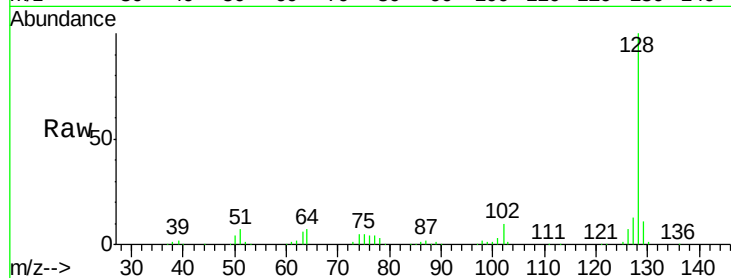
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 638399

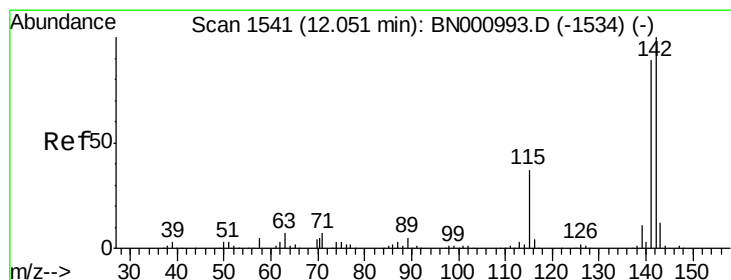
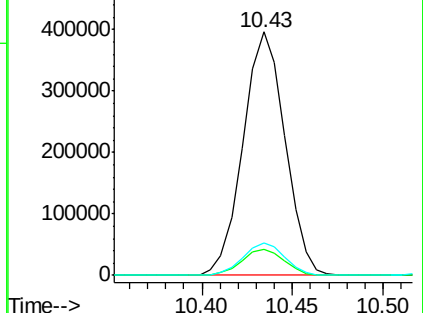
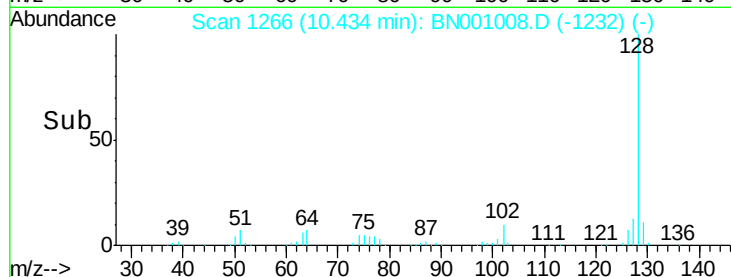
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.2	10.6	16.0



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: 19.909 ng/ul

RT: 12.05 min Scan# 1541

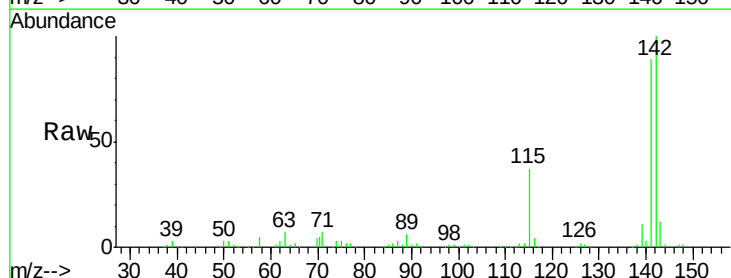
Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

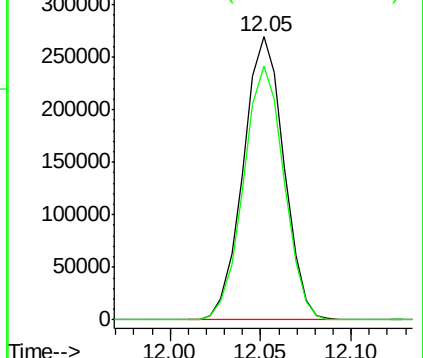
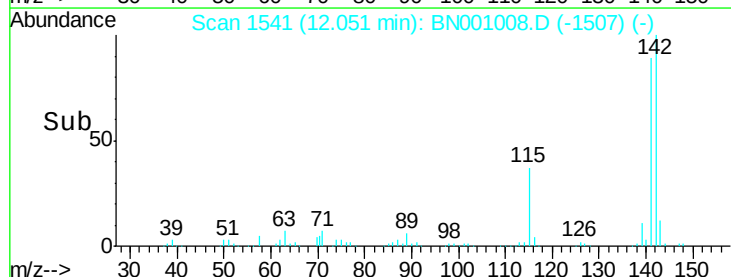
Tgt Ion:142 Resp: 420914

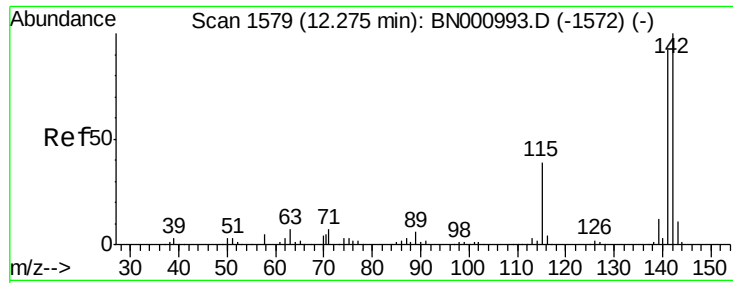
Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.7	109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.914 ng/ul

RT: 12.27 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

Instrument :

BNA_N

ClientSampleId :

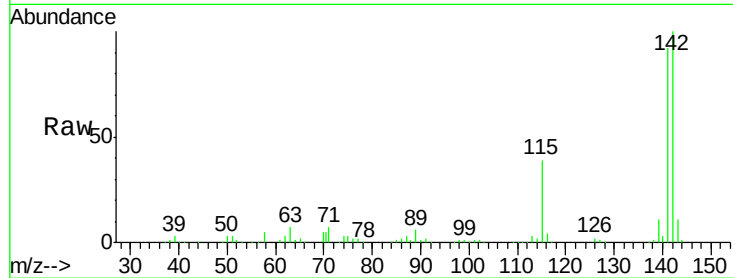
Tot Ion:142 Resp: 412938

Ion Ratio Lower Upper

142 100

141 92.0 79.3 118.9

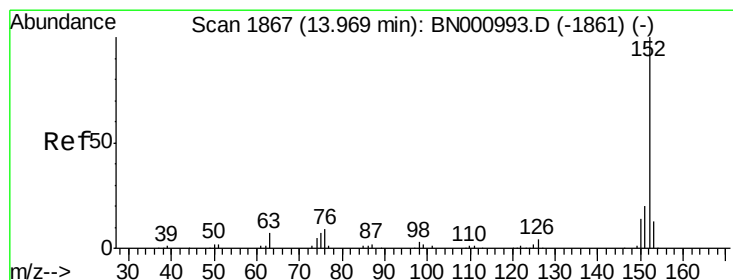
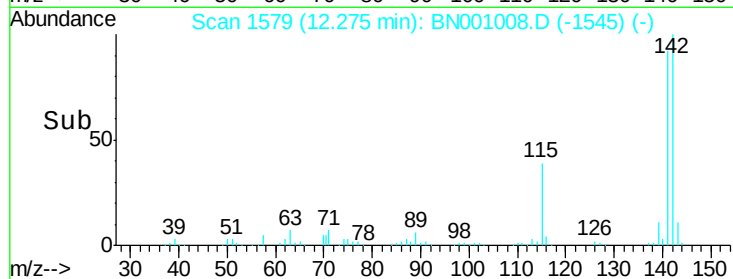
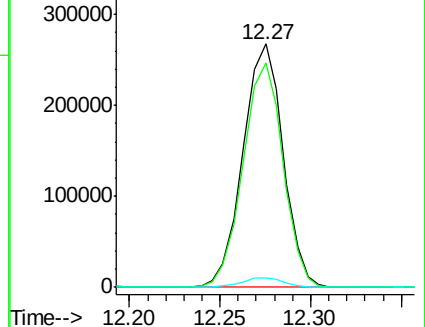
116 4.0 4.2 6.2#



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: 20.592 ng/ul

RT: 13.97 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

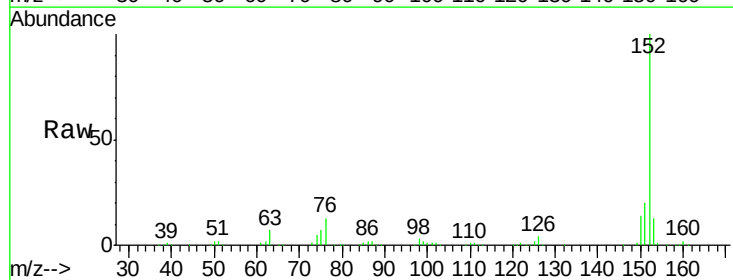
Tgt Ion:152 Resp: 597647

Ion Ratio Lower Upper

152 100

151 20.0 16.7 25.1

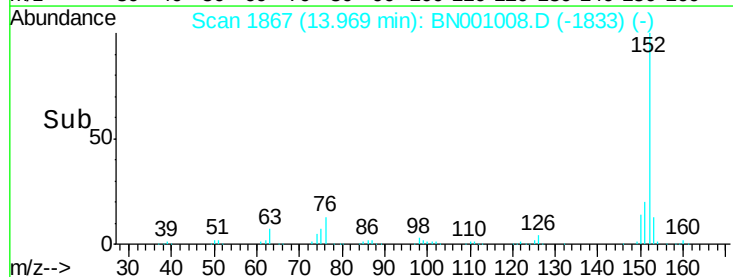
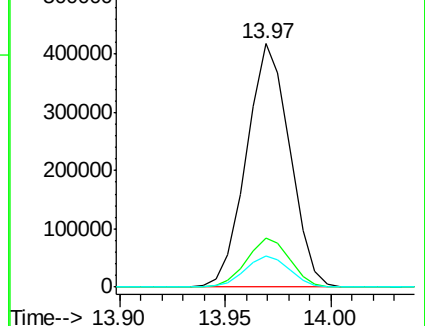
153 13.0 10.2 15.4

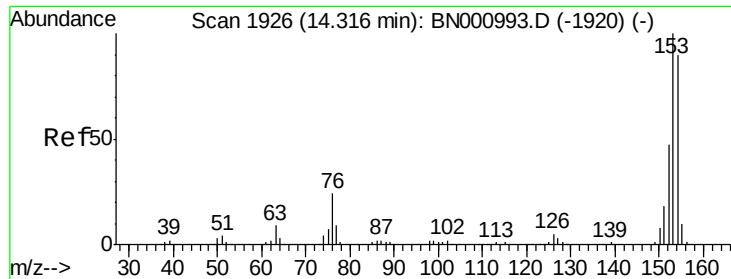


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.146 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

Instrument :

BNA_N

ClientSampleId :

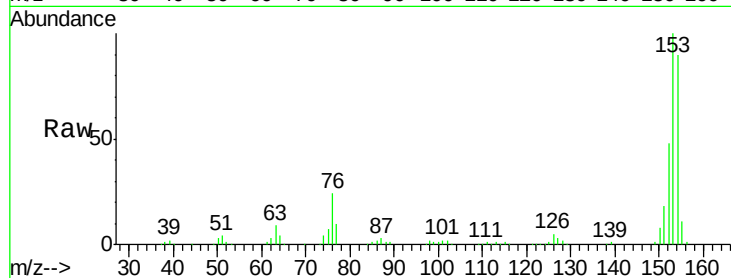
Tot Ion:153 Resp: 403978

Ion Ratio Lower Upper

153 100

152 48.1 39.0 58.6

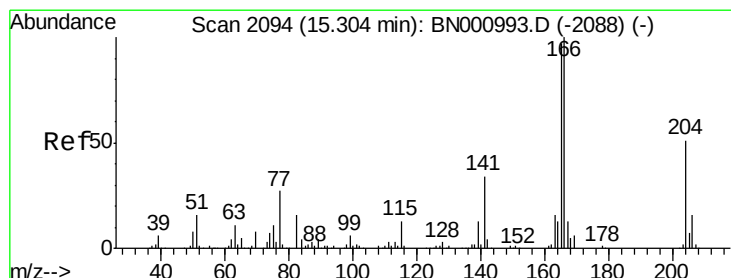
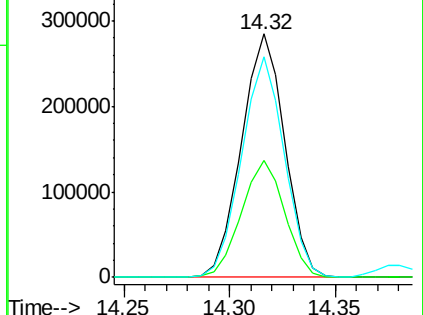
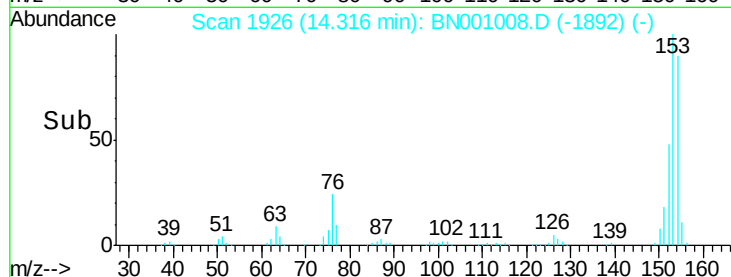
154 90.4 66.8 100.2



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: 19.994 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

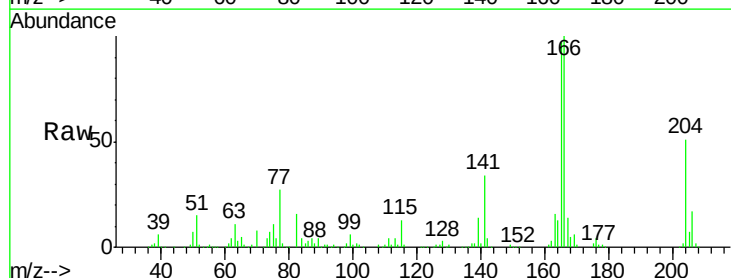
Tgt Ion:166 Resp: 426801

Ion Ratio Lower Upper

166 100

165 97.2 83.8 125.8

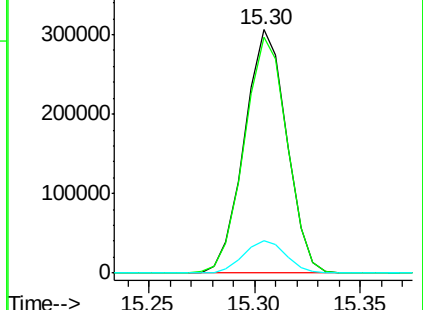
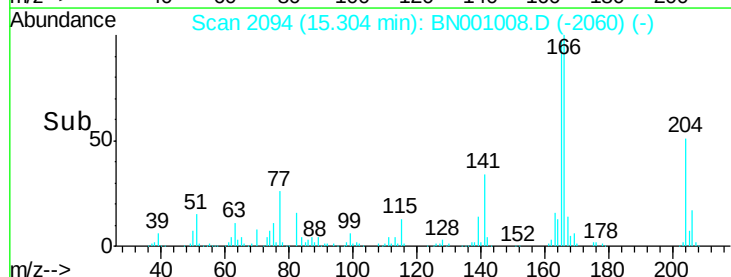
167 13.5 11.5 17.3

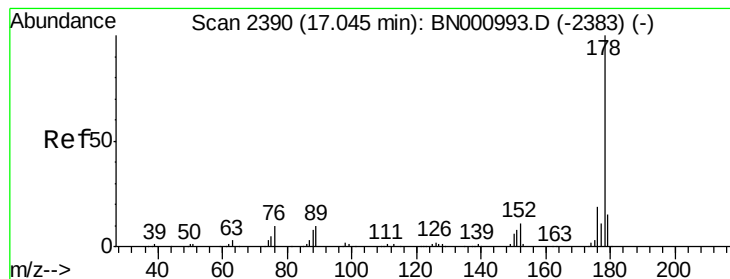


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.980 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

Instrument :

BNA_N

ClientSampled :

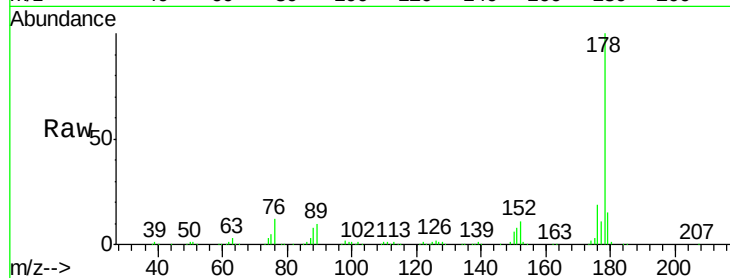
Tot Ion:178 Resp: 591463

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

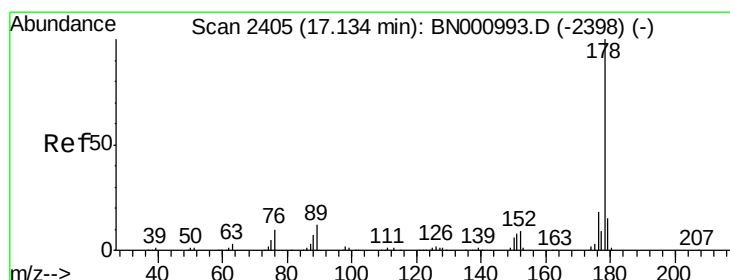
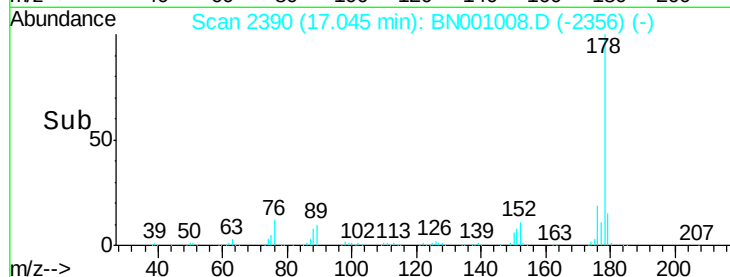
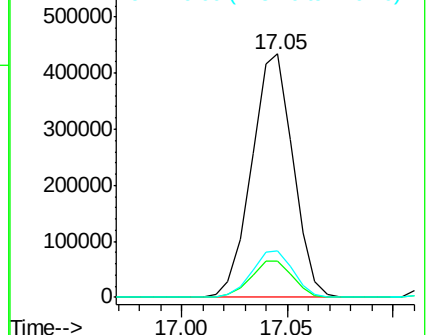
176 19.3 15.1 22.7



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



#15

Anthracene

Concen: 20.254 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

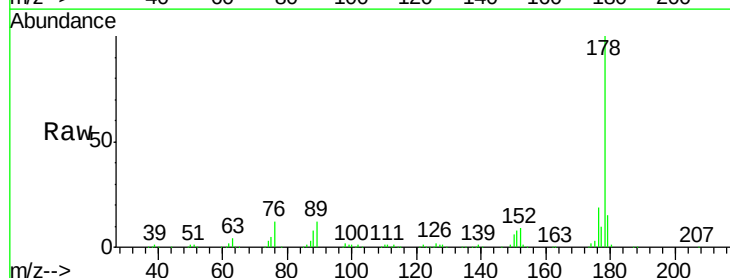
Tgt Ion:178 Resp: 601391

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

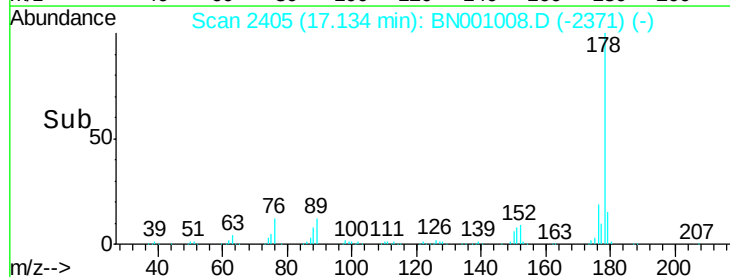
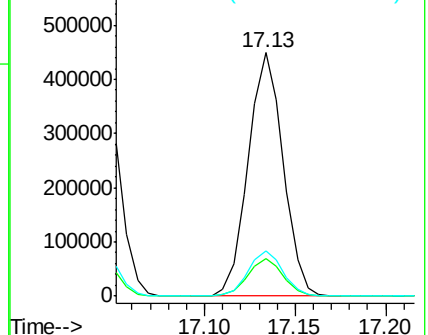
176 18.5 15.2 22.8

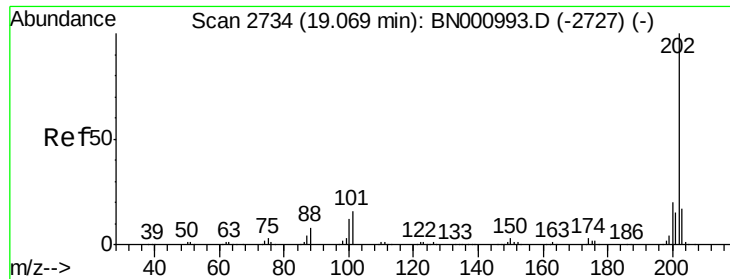


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

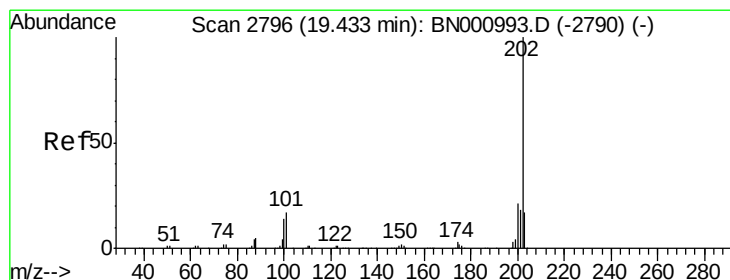
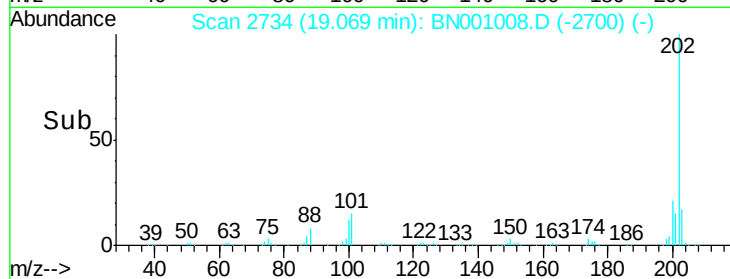
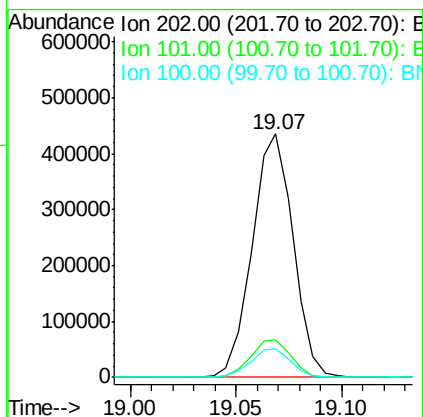
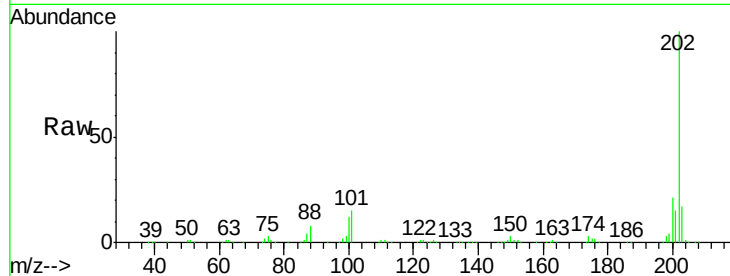




#16
 Fluoranthene
 Concen: 19.469 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: BN001008.D
 Acq: 30 Apr 2018 23:59

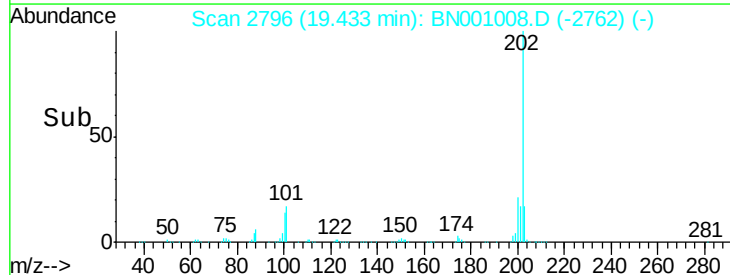
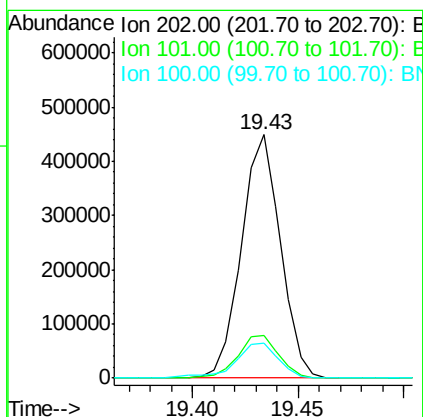
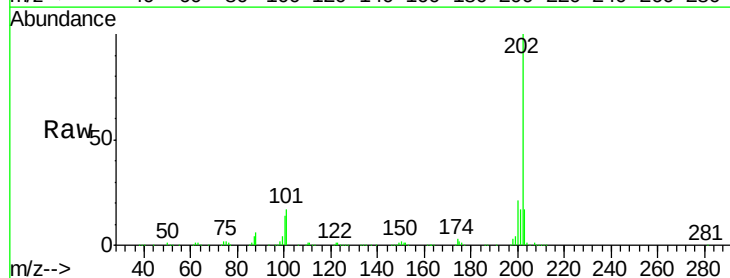
Instrument :
 BNA_N
 ClientSampleId :

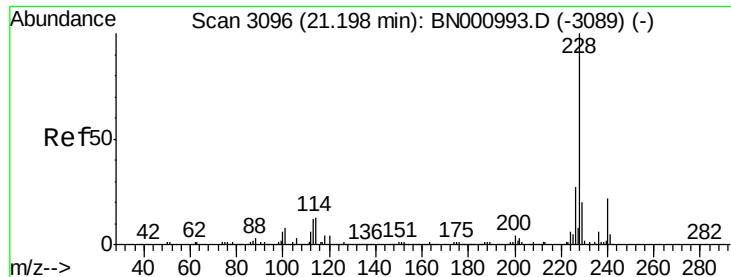
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.4	9.9	14.9#
100	11.7	7.4	11.0#



#19
 Pyrene
 Concen: 20.178 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.00 min
 Lab File: BN001008.D
 Acq: 30 Apr 2018 23:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.5	11.0	16.4#
100	14.5	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 20.388 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

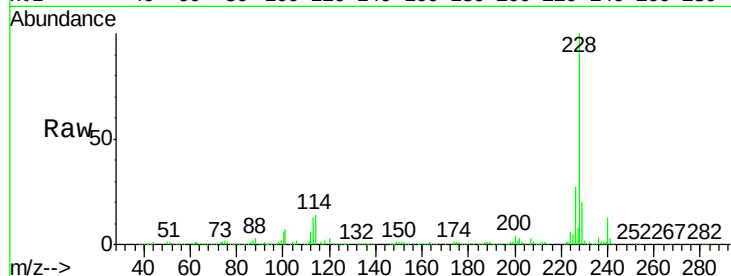
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 539189

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.7	23.5
226	26.9	21.1	31.7

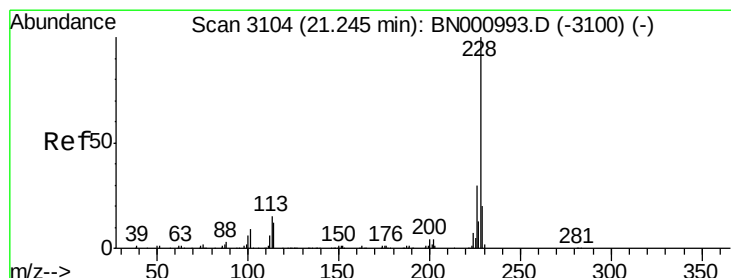
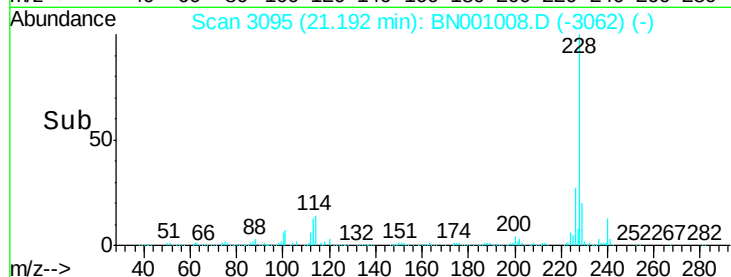
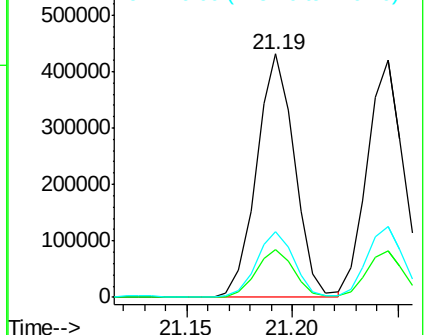


Abundance

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: 20.137 ng/ul

RT: 21.25 min Scan# 3104

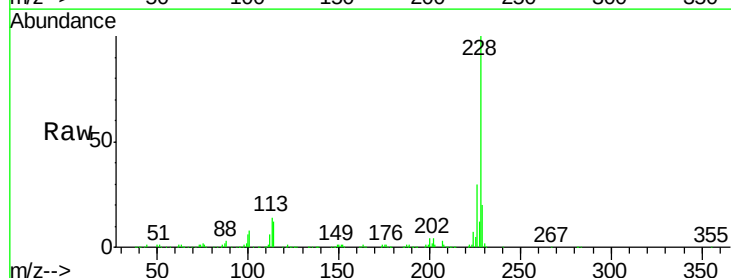
Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

Tgt Ion:228 Resp: 500563

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	19.6	15.8	23.8

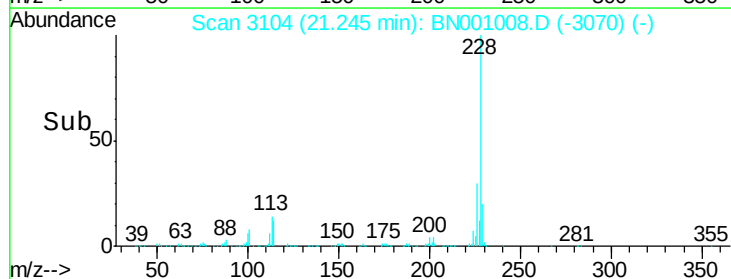
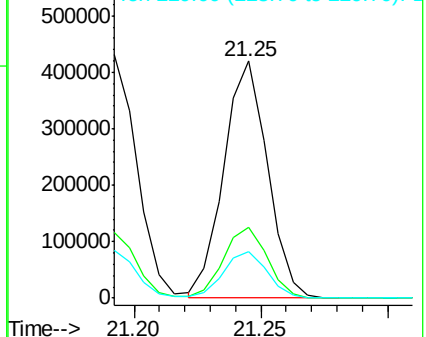


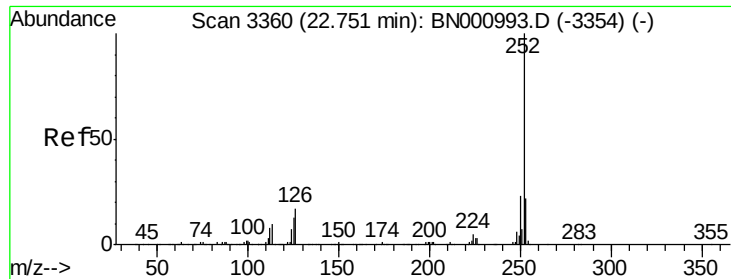
Abundance

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: 21.670 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. 0.00 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

Instrument :

BNA_N

ClientSampleId :

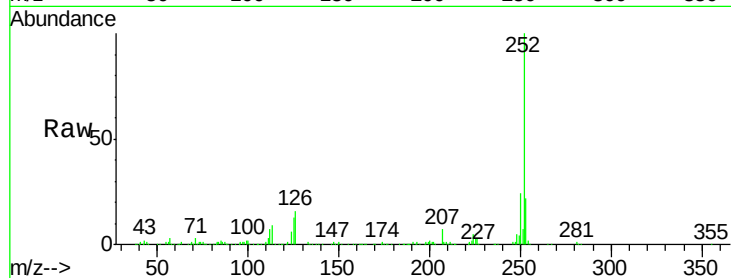
Tot Ion:252 Resp: 569751

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

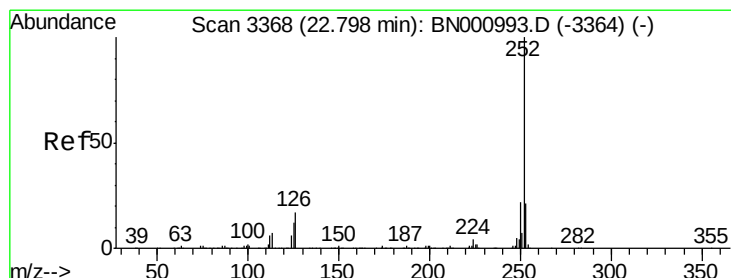
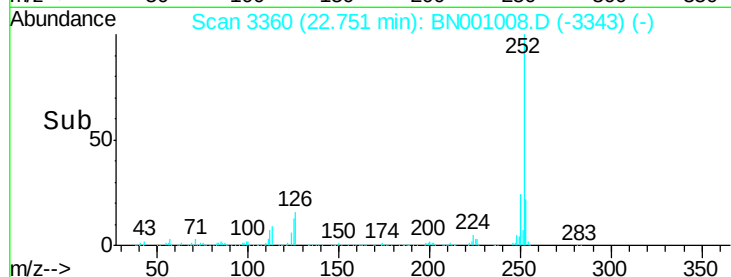
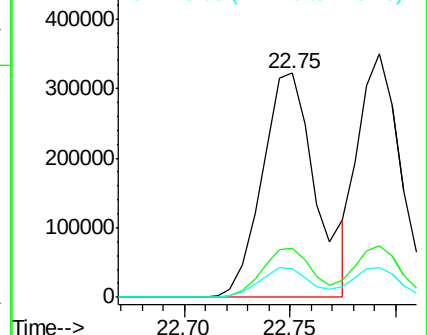
125 12.7 8.0 12.0#



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: 18.633 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

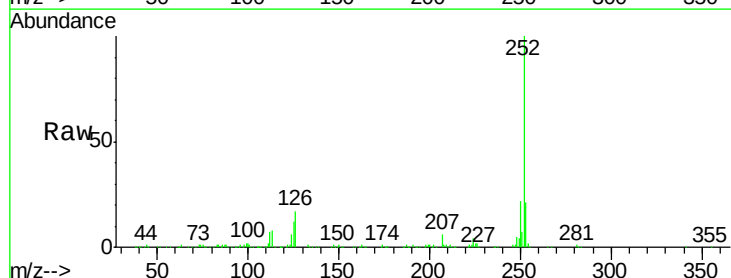
Tgt Ion:252 Resp: 479365

Ion Ratio Lower Upper

252 100

253 21.0 18.0 27.0

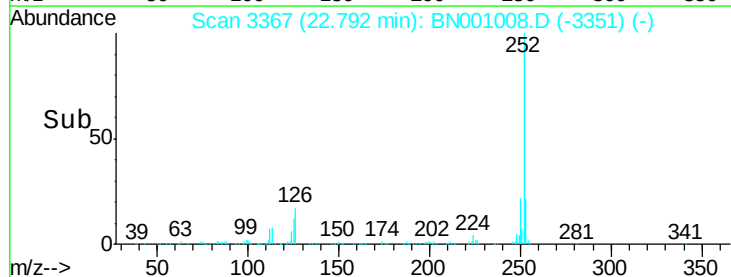
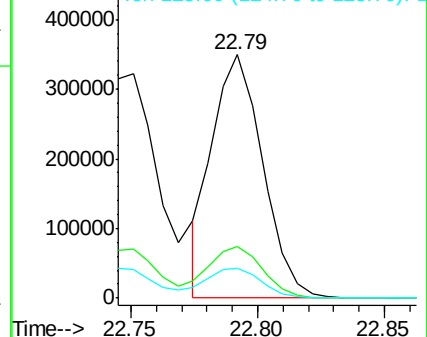
125 12.4 8.1 12.1#

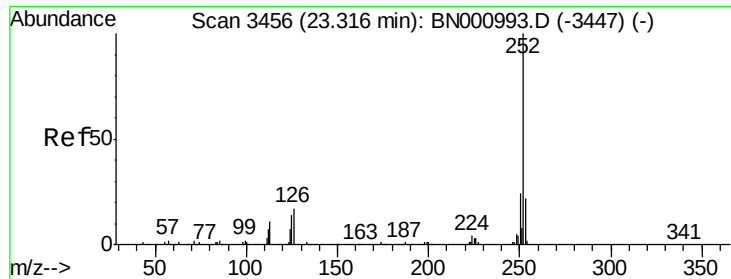


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.349 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

Instrument :

BNA_N

ClientSampleId :

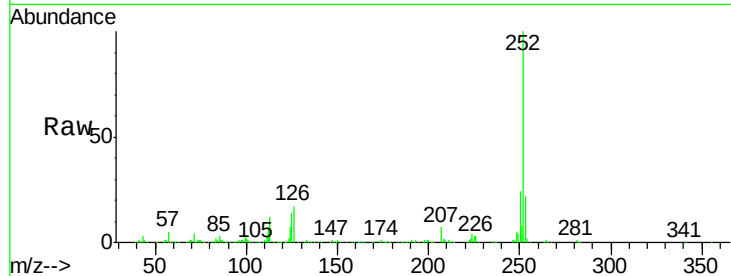
Tot Ion:252 Resp: 511303

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

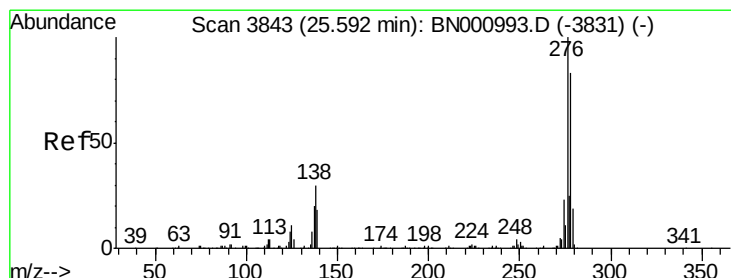
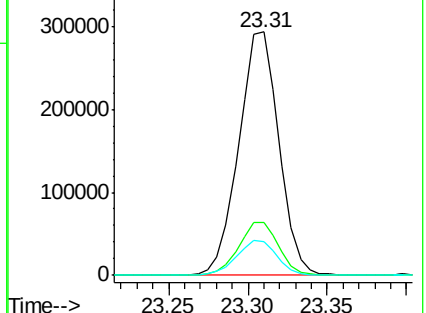
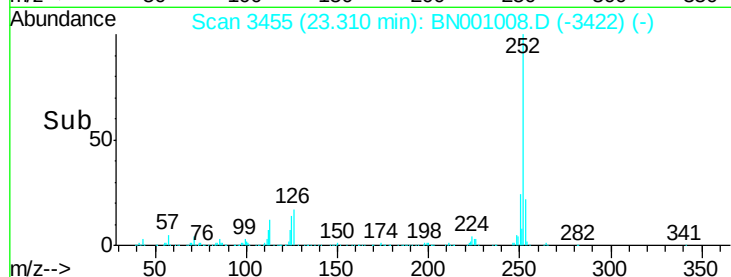
125 13.9 8.2 12.4#



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: 19.920 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.01 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

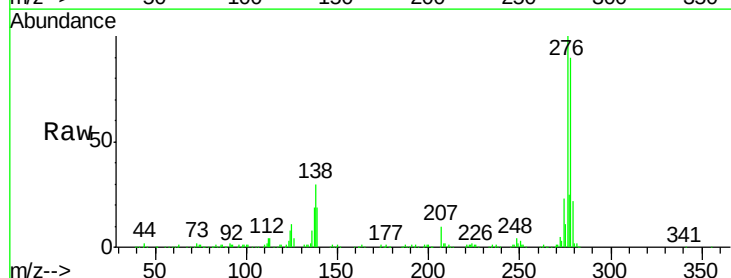
Tgt Ion:276 Resp: 604549

Ion Ratio Lower Upper

276 100

138 30.5 14.4 21.6#

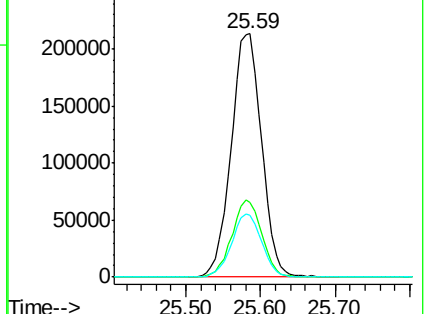
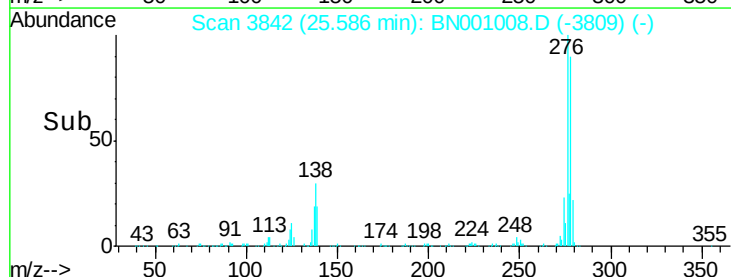
277 25.2 18.0 27.0

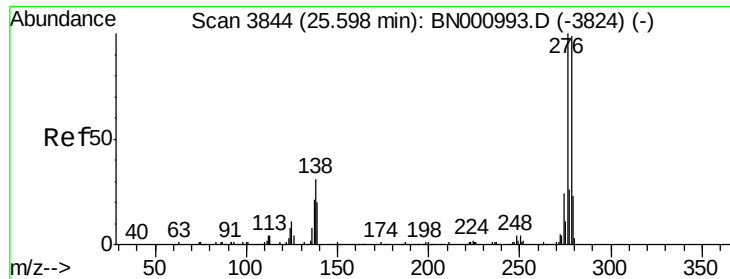


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 19.991 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.01 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

Instrument :

BNA_N

ClientSampleId :

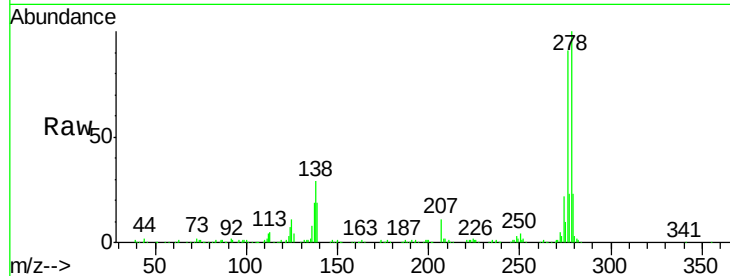
Tot Ion:278 Resp: 505643

Ion Ratio Lower Upper

278 100

139 19.5 12.2 18.4#

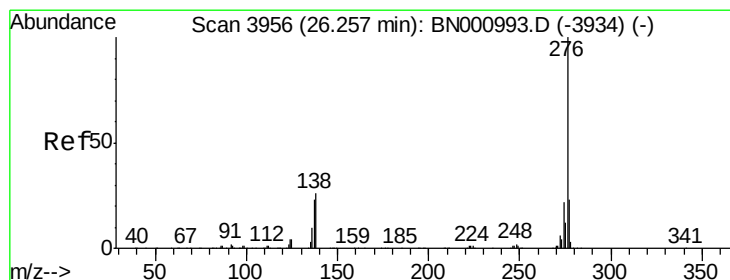
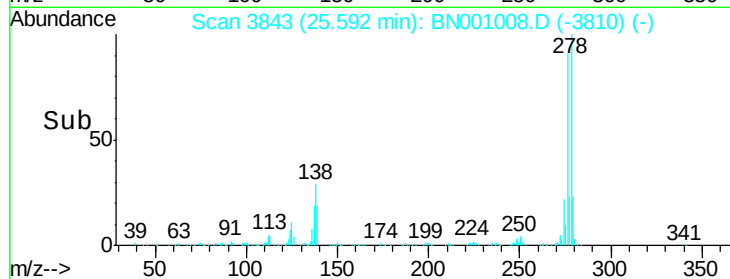
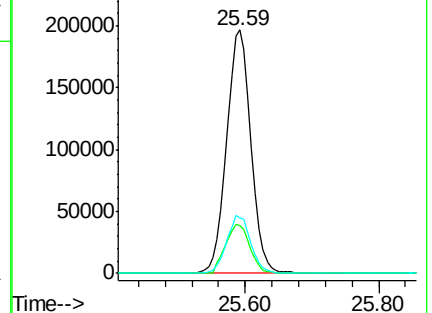
279 23.0 19.2 28.8



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: 19.897 ng/ul

RT: 26.24 min Scan# 3954

Delta R.T. -0.01 min

Lab File: BN001008.D

Acq: 30 Apr 2018 23:59

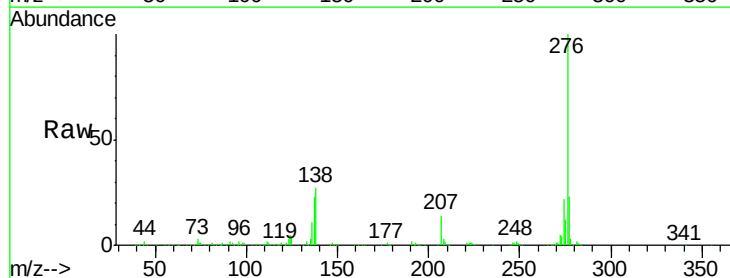
Tgt Ion:276 Resp: 505037

Ion Ratio Lower Upper

276 100

138 27.0 15.3 22.9#

277 23.1 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

