

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041918\
 Data File : BN000776.D
 Acq On : 19 Apr 2018 16:01
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 20 04:55:09 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN041918-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 19 13:26:18 2018
 Response via : Initial Calibration

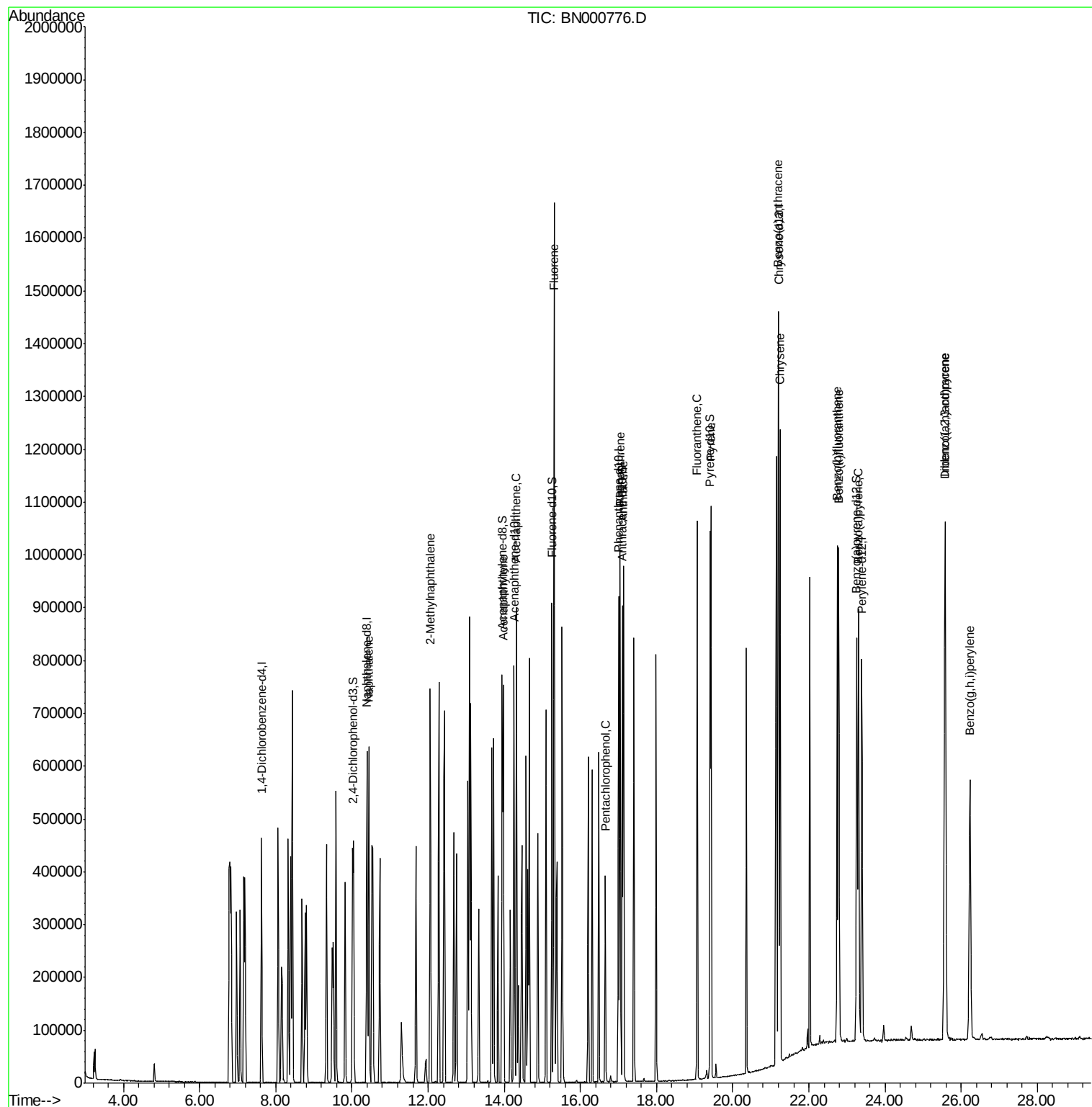
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	115790	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	487230	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	247146	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	485932	20.00	ng/ul	0.00
18) Chrysene-d12	21.21	240	450434	20.00	ng/ul	0.00
23) Perylene-d12	23.39	264	458494	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.02	165	146136	21.08	ng/ul	0.00
7) Acenaphthylene-d8	13.95	160	509252	21.41	ng/ul	0.00
10) Fluorene-d10	15.25	176	331984	20.83	ng/ul	0.00
15) Anthracene-d10	17.10	188	474207	21.11	ng/ul	0.00
19) Pyrene-d10	19.40	212	471130	20.78	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.26	264	459908	21.27	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.44	128	513120	20.802	ng/ul	99
5) 2-Methylnaphthalene	12.06	142	344913	20.827	ng/ul	96
8) Acenaphthylene	13.97	152	502363	21.316	ng/ul	99
9) Acenaphthene	14.32	153	342852	21.066	ng/ul	98
11) Fluorene	15.31	166	370848	21.239	ng/ul	100
13) Pentachlorophenol	16.65	266	56676	19.302	ng/ul	97
14) Phenanthrene	17.05	178	556556	20.964	ng/ul	99
16) Anthracene	17.13	178	563477	20.991	ng/ul	99
17) Fluoranthene	19.07	202	574908	22.027	ng/ul#	76
20) Pyrene	19.43	202	596018	20.900	ng/ul#	70
21) Benzo(a)anthracene	21.19	228	564038	21.018	ng/ul	99
22) Chrysene	21.25	228	536234	21.128	ng/ul	100
24) Benzo(b)fluoranthene	22.74	252	566959	21.379	ng/ul#	95
25) Benzo(k)fluoranthene	22.79	252	525746	20.539	ng/ul#	95
27) Benzo(a)pyrene	23.30	252	540325	21.292	ng/ul#	93
28) Indeno(1,2,3-cd)pyrene	25.57	276	634846	22.401	ng/ul#	84
29) Dibenzo(a,h)anthracene	25.59	278	537163	22.663	ng/ul#	91
30) Benzo(g,h,i)perylene	26.23	276	524723	22.359	ng/ul#	85

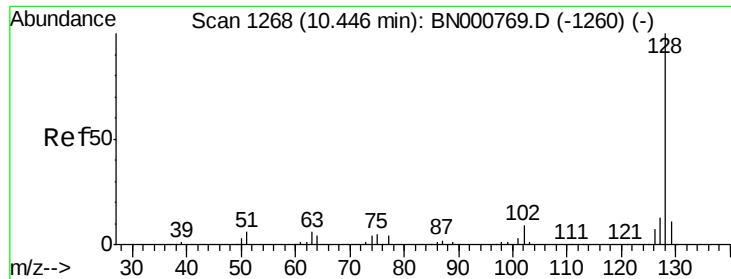
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041918\
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
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#4

Naphthalene

Concen: 20.802 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

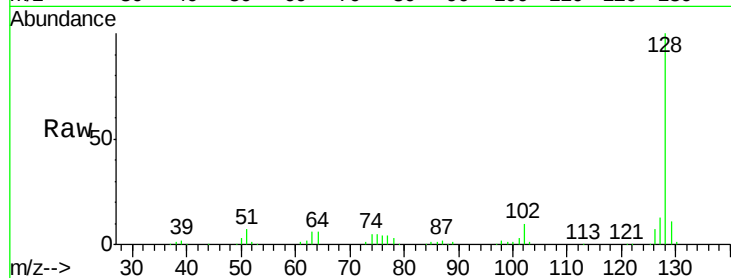
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 513120

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.6	16.0

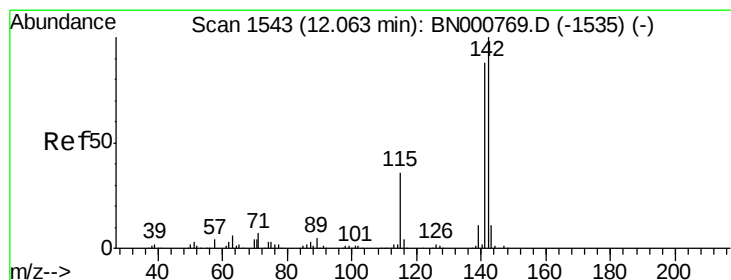
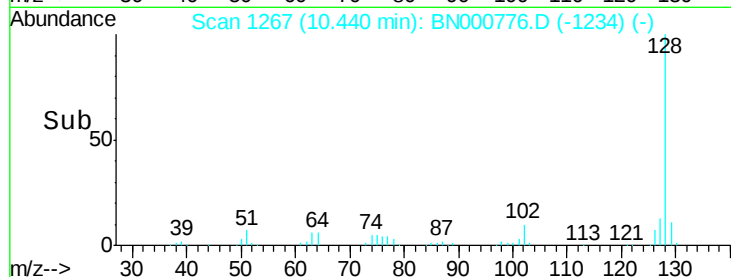
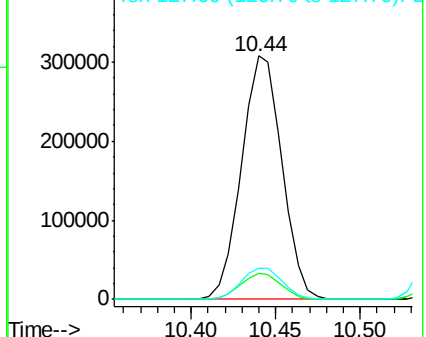


Abundance

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



#5

2-Methylnaphthalene

Concen: 20.827 ng/ul

RT: 12.06 min Scan# 1542

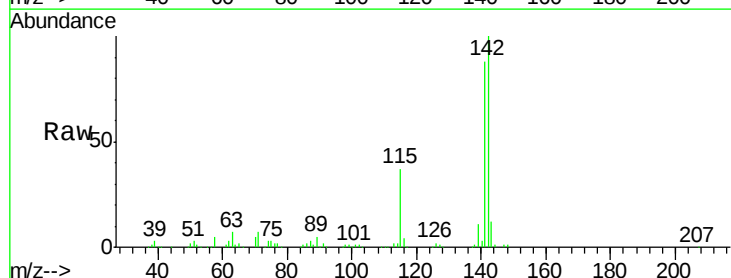
Delta R.T. -0.01 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

Tgt Ion:142 Resp: 344913

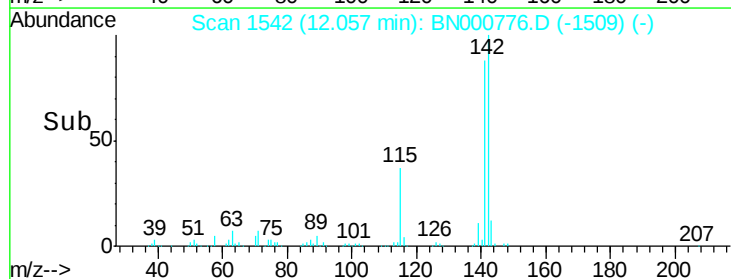
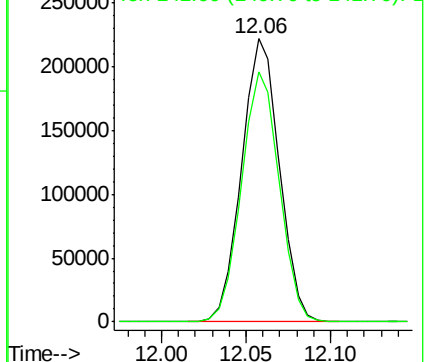
Ion	Ratio	Lower	Upper
142	100		
141	88.4	74.1	111.1

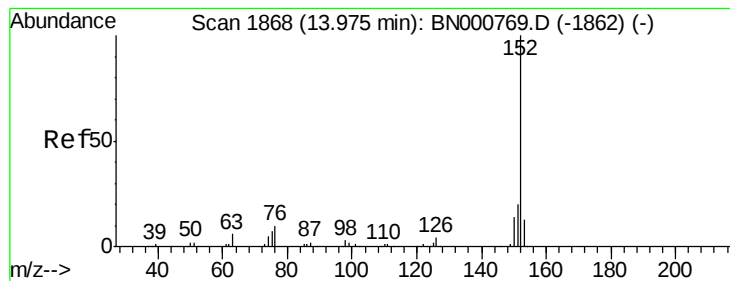


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.316 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

Instrument :

BNA_N

ClientSampleId :

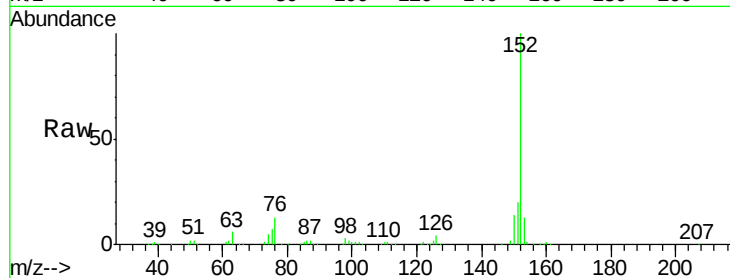
Tot Ion:152 Resp: 502363

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

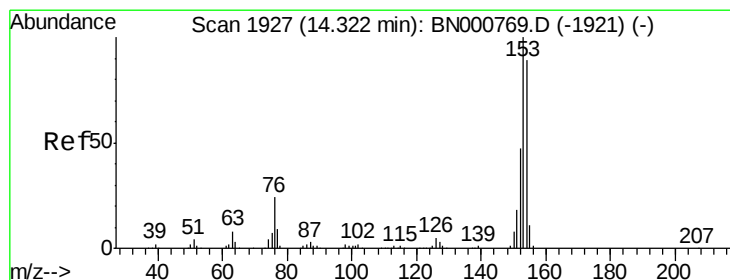
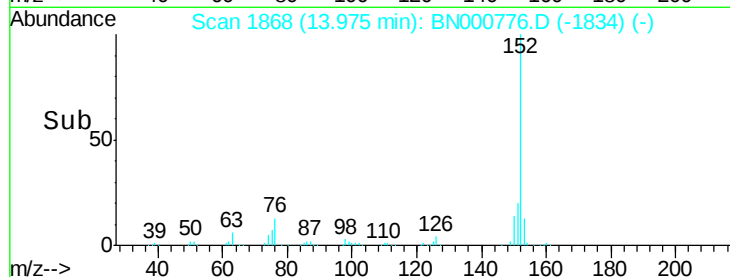
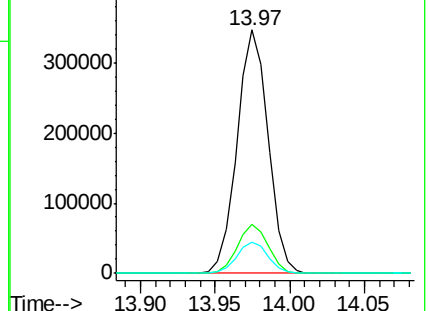
153 12.7 10.2 15.4



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: 21.066 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

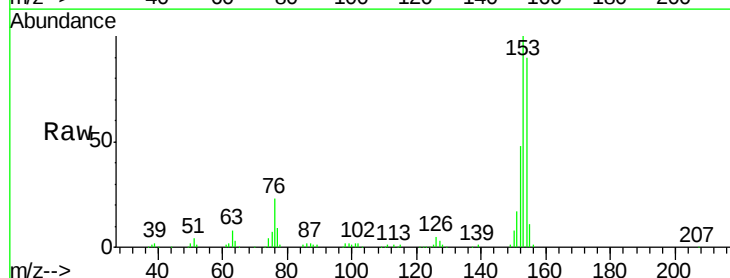
Tgt Ion:153 Resp: 342852

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

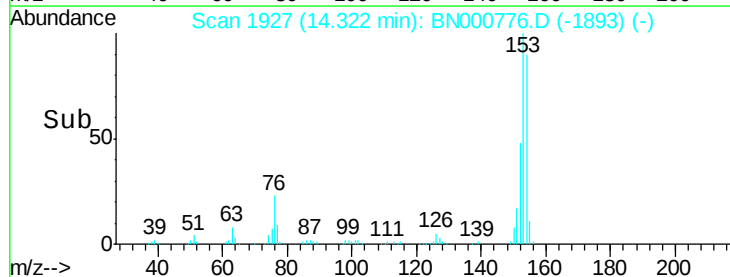
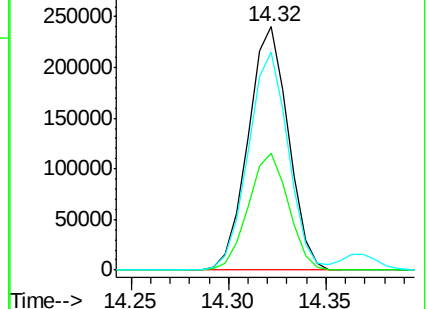
154 89.8 70.4 105.6

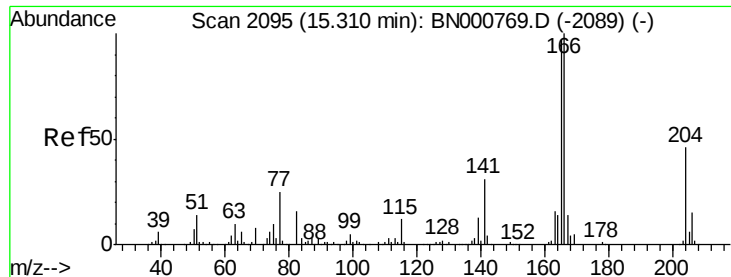


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 21.239 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

Instrument :

BNA_N

ClientSampleId :

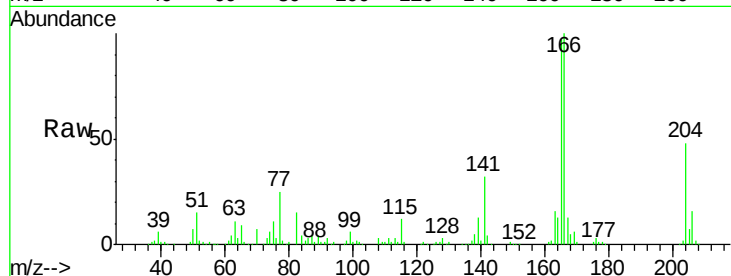
Tot Ion:166 Resp: 370848

Ion Ratio Lower Upper

166 100

165 97.1 77.9 116.9

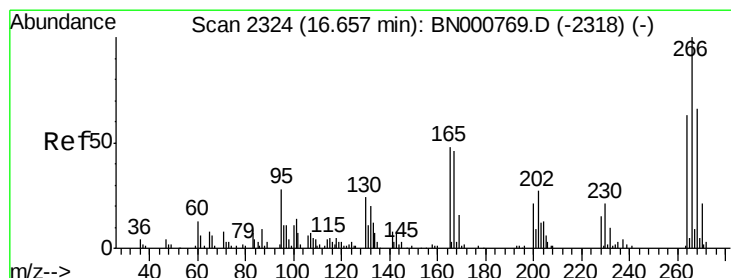
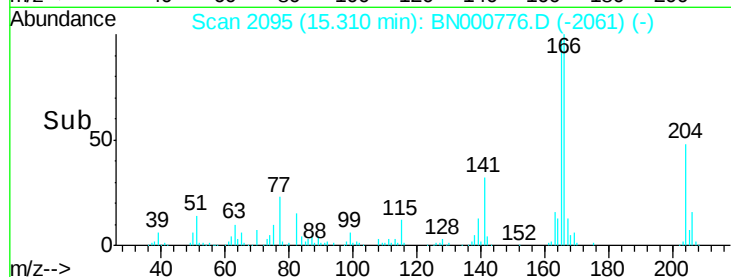
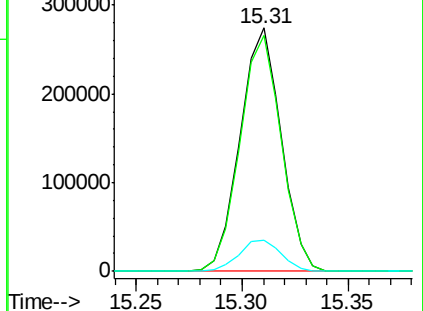
167 12.9 10.6 16.0



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

Pentachlorophenol

Concen: 19.302 ng/ul

RT: 16.65 min Scan# 2323

Delta R.T. -0.01 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

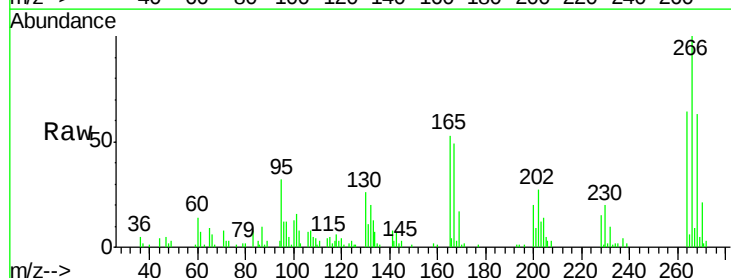
Tgt Ion:266 Resp: 56676

Ion Ratio Lower Upper

266 100

264 63.8 49.3 73.9

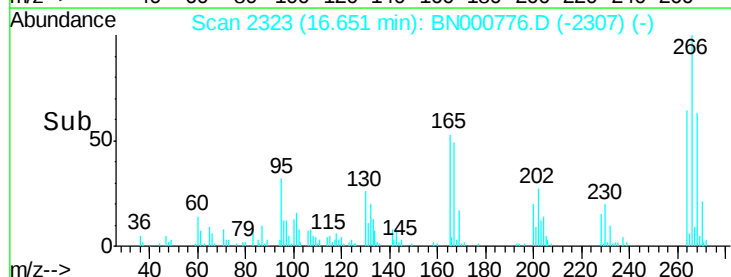
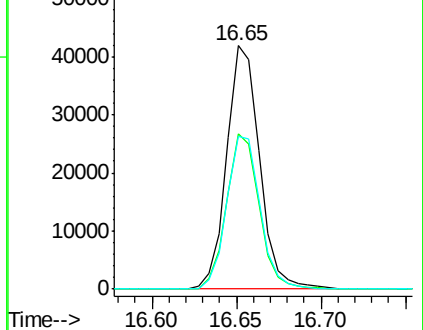
268 62.9 52.6 78.8

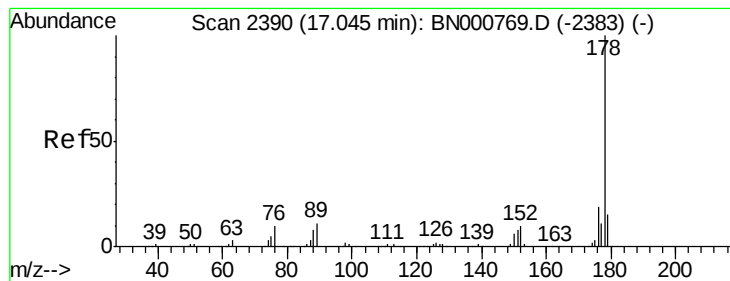


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 20.964 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.00 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

Instrument :

BNA_N

ClientSampled :

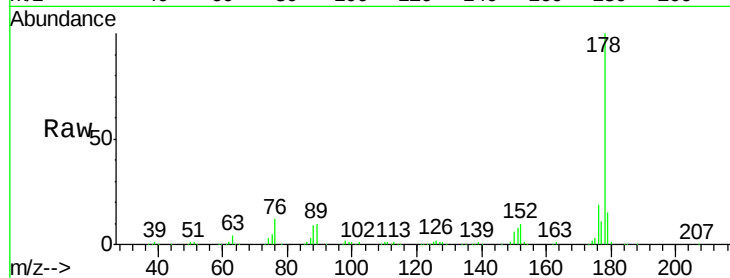
Tot Ion:178 Resp: 556556

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

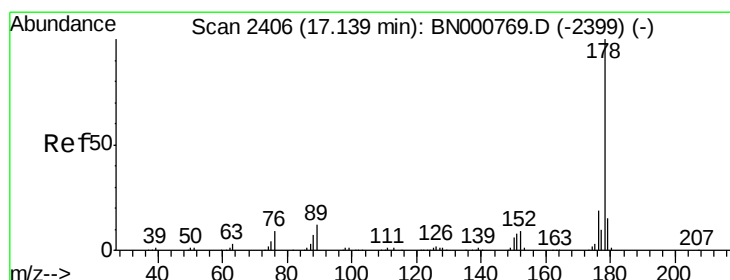
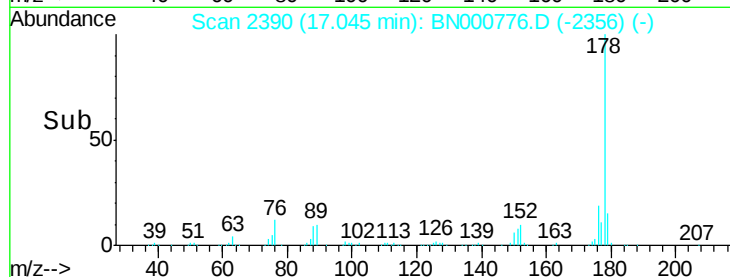
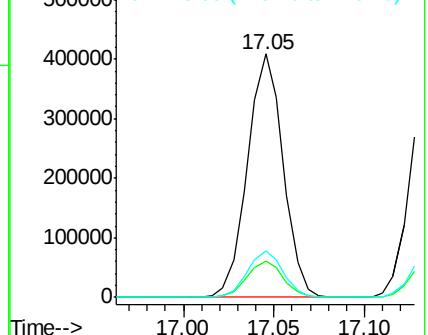
176 19.0 14.9 22.3



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

Anthracene

Concen: 20.991 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

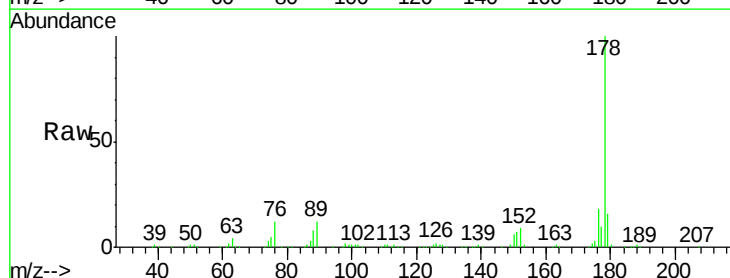
Tgt Ion:178 Resp: 563477

Ion Ratio Lower Upper

178 100

179 15.7 11.7 17.5

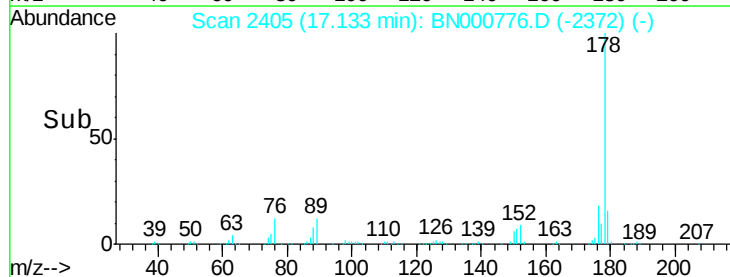
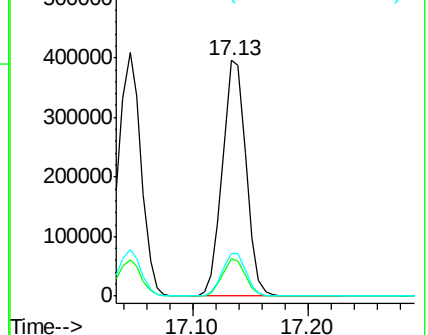
176 18.3 14.6 21.8

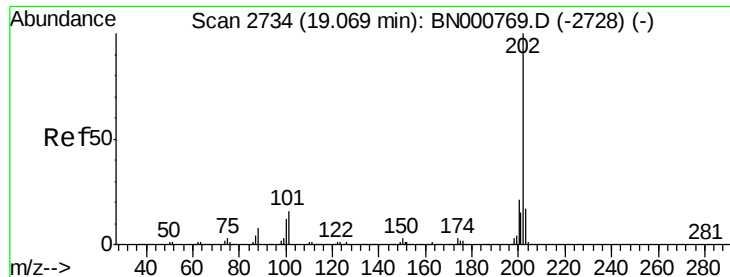


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

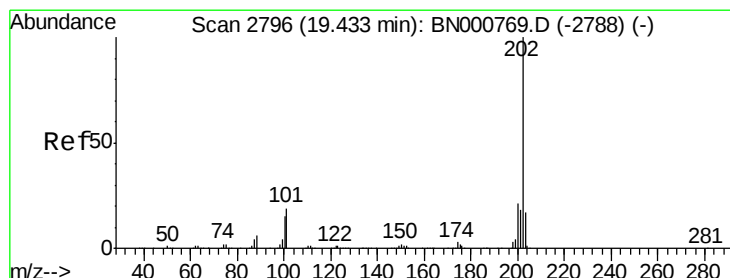
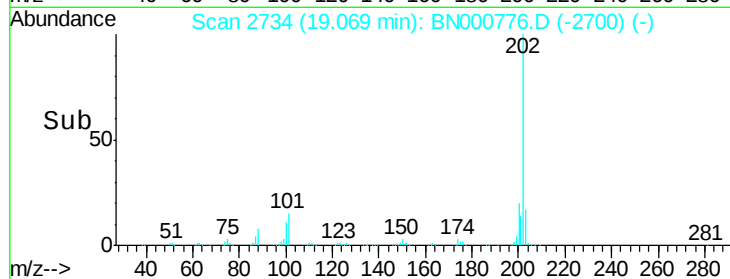
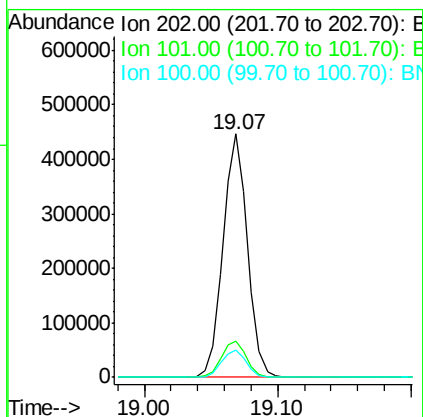
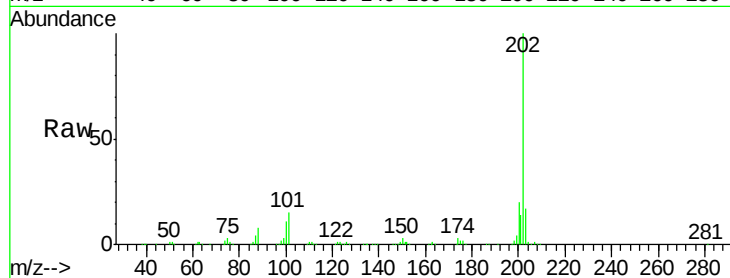




#17
Fluoranthene
 Concen: 22.027 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: BN000776.D
 Acq: 19 Apr 2018 16:01

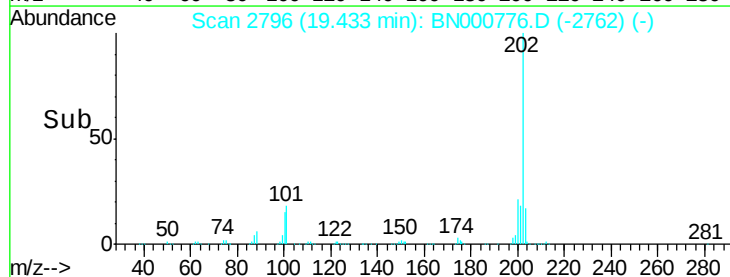
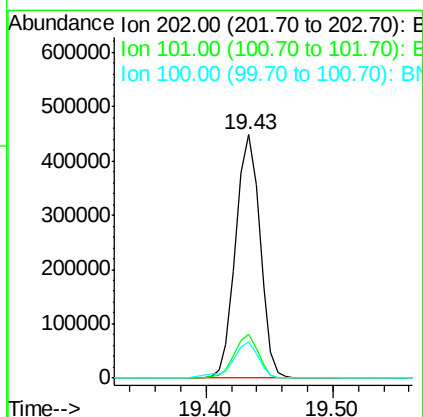
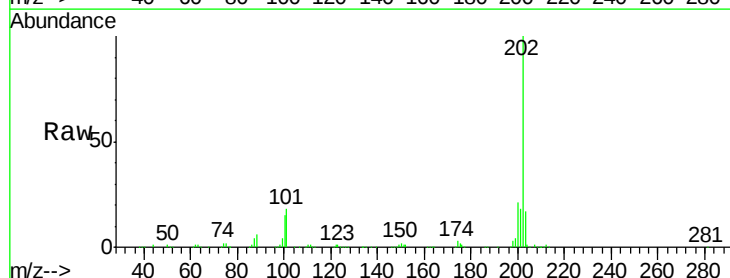
Instrument :
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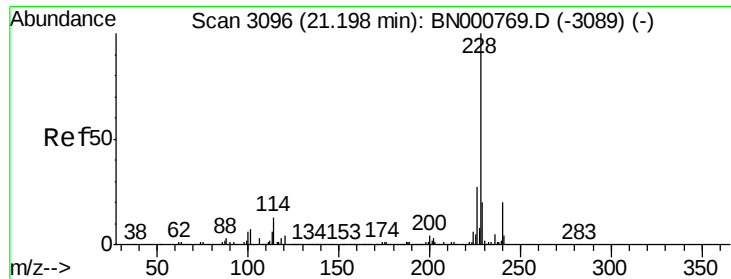
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	4.6	7.0#
100	11.2	3.4	5.2#



#20
Pyrene
 Concen: 20.900 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. -0.00 min
 Lab File: BN000776.D
 Acq: 19 Apr 2018 16:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.1	5.1	7.7#
100	14.7	4.9	7.3#

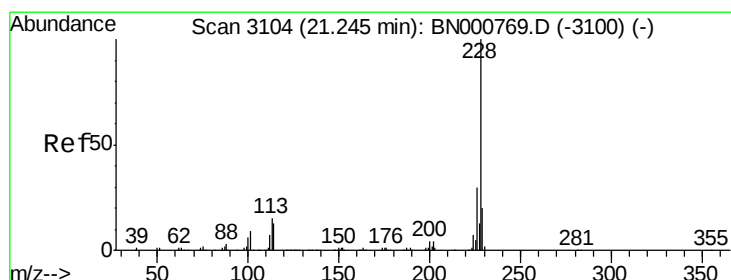
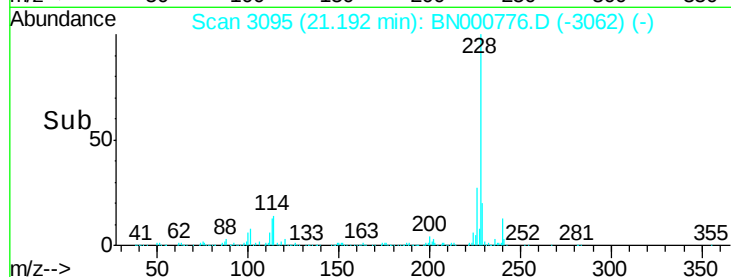
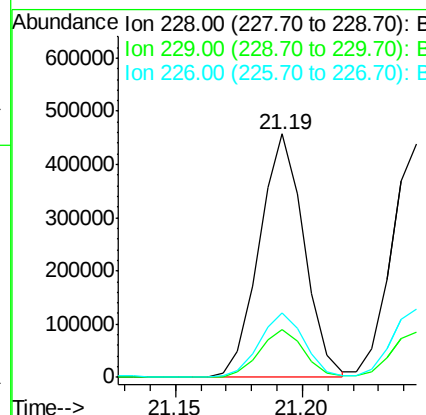
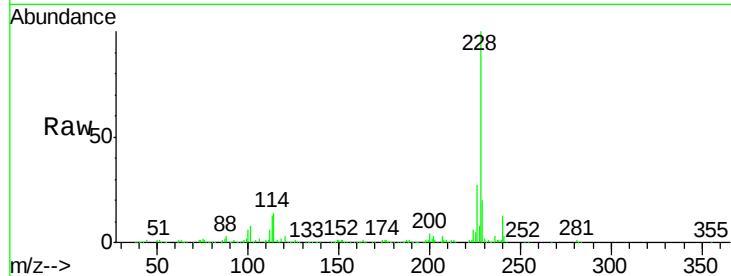




#21
Benzo(a)anthracene
Concen: 21.018 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN000776.D
Acq: 19 Apr 2018 16:01

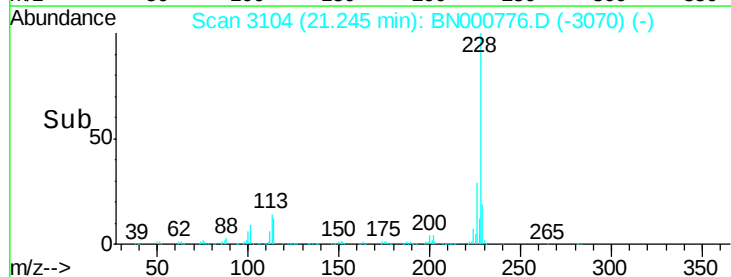
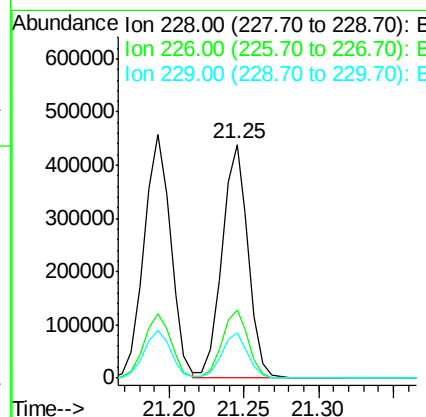
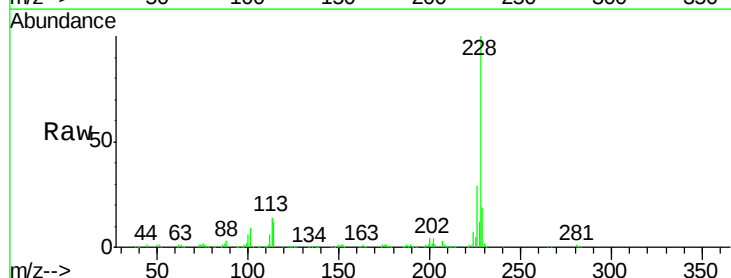
Instrument :
BNA_N
ClientSampleId :

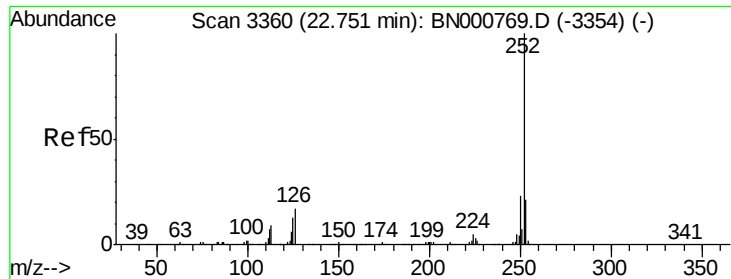
Tot Ion:228 Resp: 564038
Ion Ratio Lower Upper
228 100
229 19.6 15.4 23.0
226 26.6 21.4 32.0



#22
Chrysene
Concen: 21.128 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BN000776.D
Acq: 19 Apr 2018 16:01

Tgt Ion:228 Resp: 536234
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 19.3 15.5 23.3





#24

Benzo(b)fluoranthene

Concen: 21.379 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BN000776.D

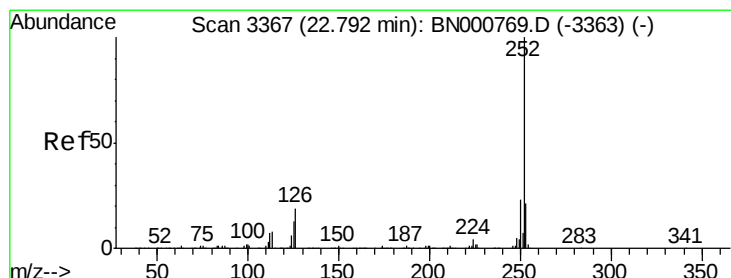
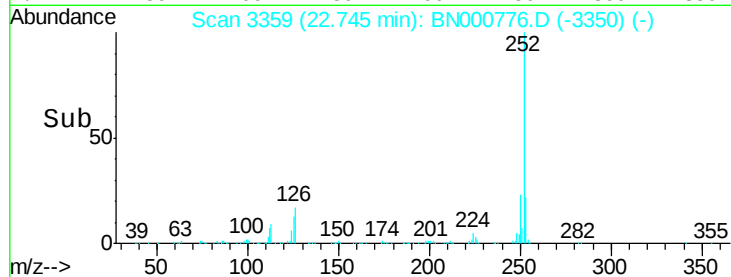
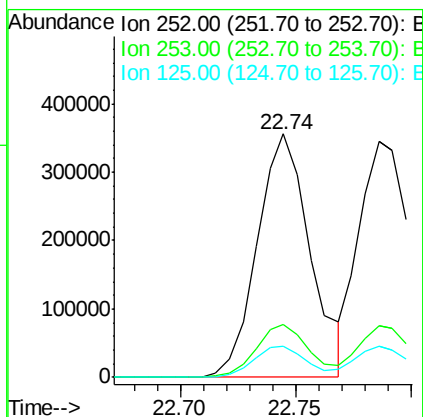
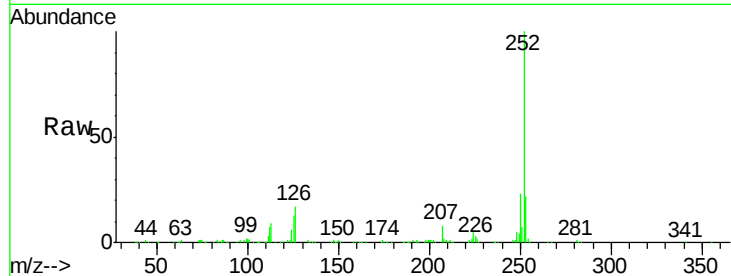
Acq: 19 Apr 2018 16:01

Instrument :

BNA_N

ClientSampleId :

Tot Ion:252	Resp:	566959
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.9 26.9
125	13.0	3.6 5.4#



#25

Benzo(k)fluoranthene

Concen: 20.539 ng/ul

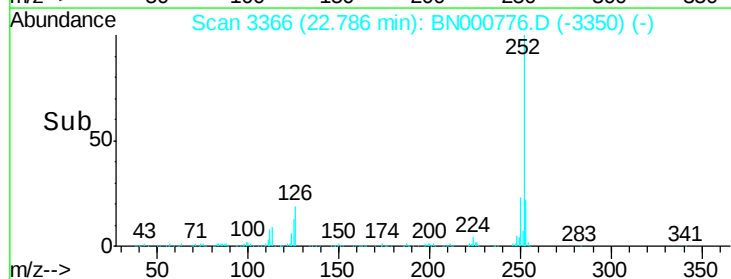
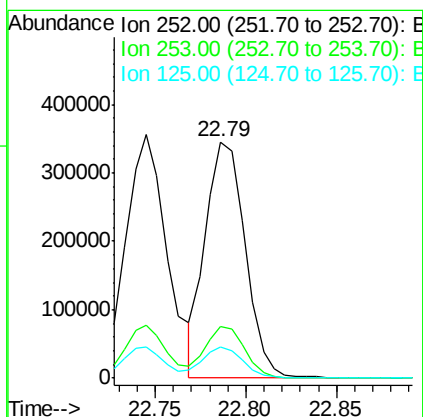
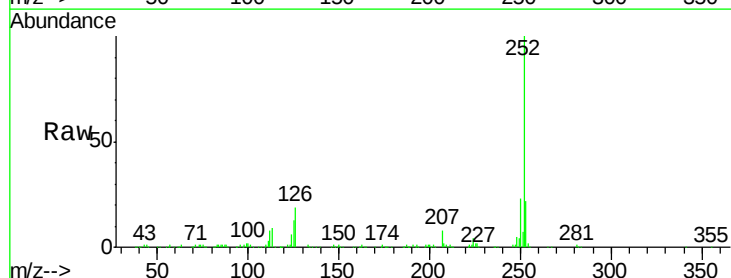
RT: 22.79 min Scan# 3366

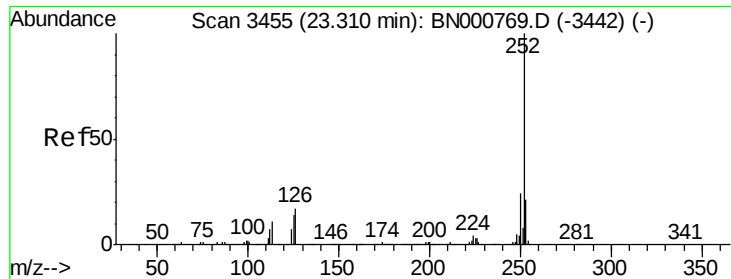
Delta R.T. -0.01 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

Tgt Ion:252	Resp:	525746
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.1 25.7
125	13.2	3.4 5.2#





#27

Benzo(a)pyrene

Concen: 21.292 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

Instrument :

BNA_N

ClientSampleId :

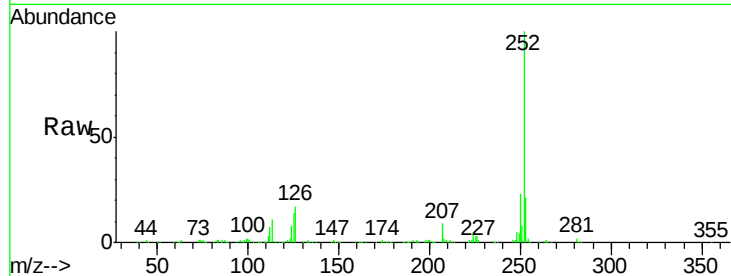
Tot Ion:252 Resp: 540325

Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

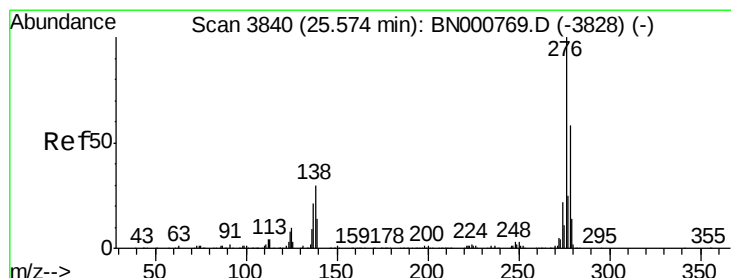
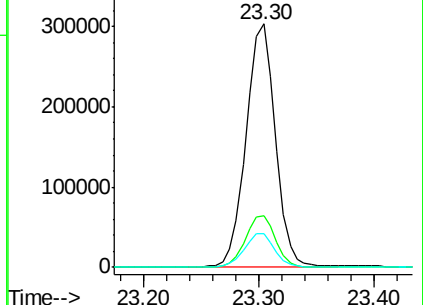
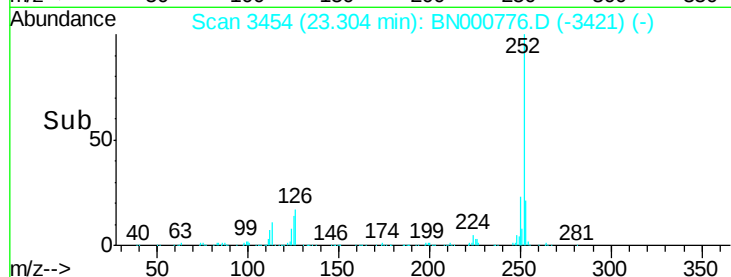
125 14.0 4.0 6.0#



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 22.401 ng/ul

RT: 25.57 min Scan# 3839

Delta R.T. -0.01 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

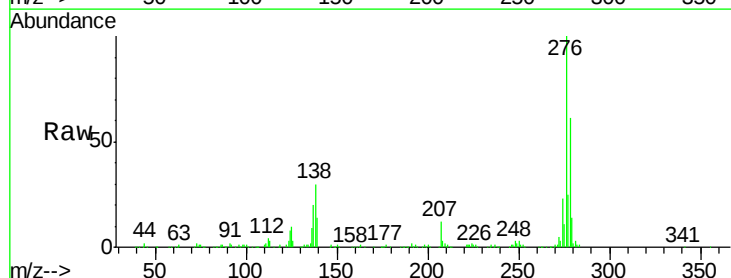
Tgt Ion:276 Resp: 634846

Ion Ratio Lower Upper

276 100

138 30.5 9.3 13.9#

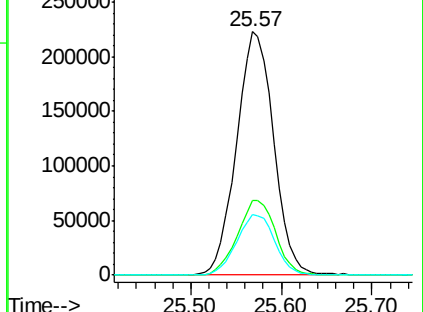
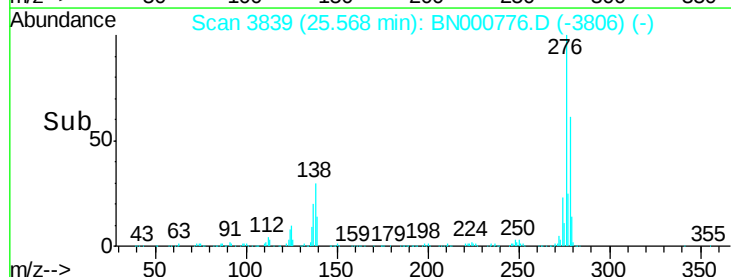
277 25.1 19.9 29.9

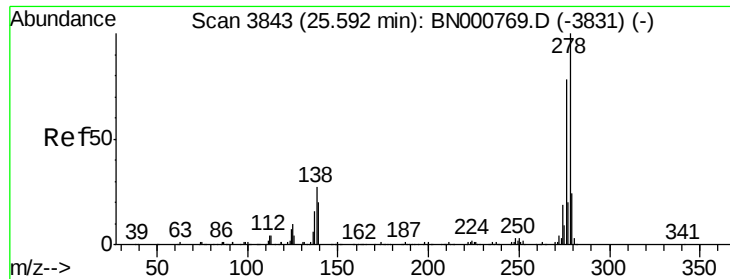


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 22.663 ng/u1

RT: 25.59 min Scan# 3842

Delta R.T. -0.01 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

Instrument :

BNA_N

ClientSampleId :

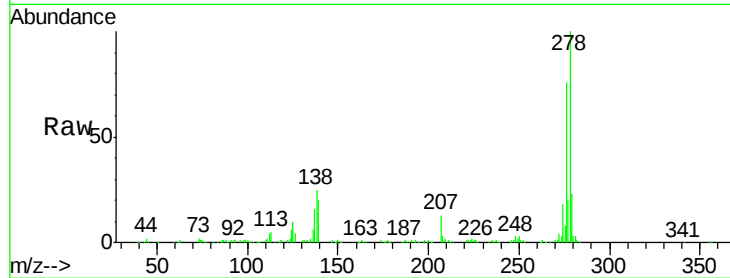
Tot Ion:278 Resp: 537163

Ion Ratio Lower Upper

278 100

139 19.9 5.8 8.8#

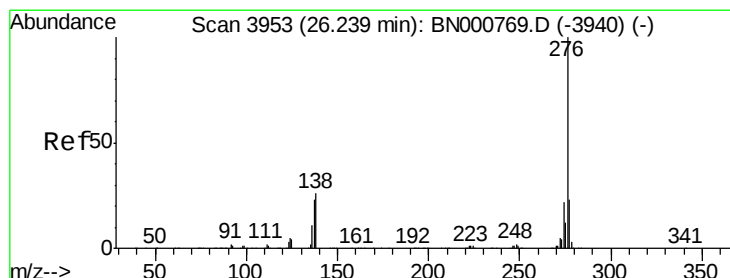
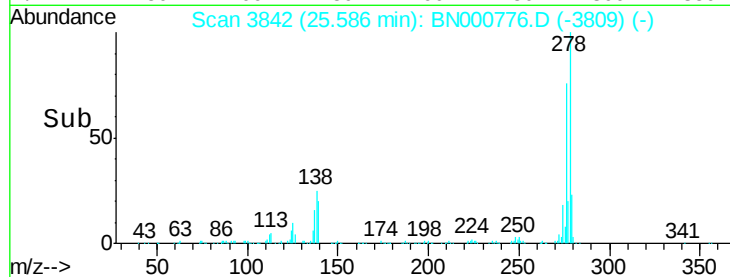
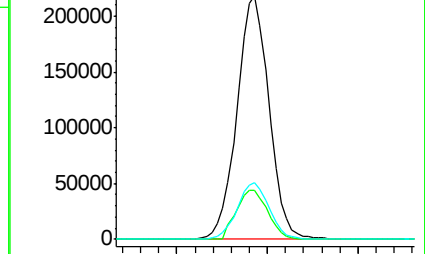
279 23.5 18.6 27.8



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



#30

Benzo(g,h,i)perylene

Concen: 22.359 ng/u1

RT: 26.23 min Scan# 3951

Delta R.T. -0.01 min

Lab File: BN000776.D

Acq: 19 Apr 2018 16:01

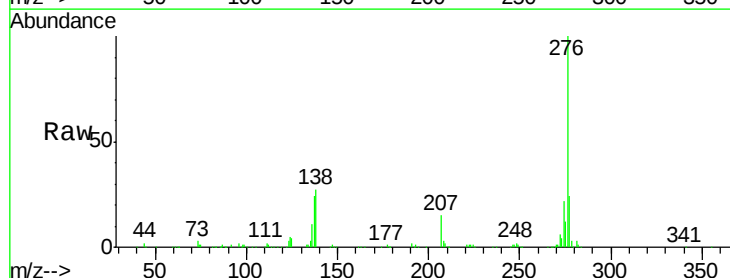
Tgt Ion:276 Resp: 524723

Ion Ratio Lower Upper

276 100

138 27.4 8.5 12.7#

277 23.9 18.6 28.0



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

