

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041918\
 Data File : BN000775.D
 Acq On : 19 Apr 2018 15:27
 Operator : JU/SJ
 Sample : J2356-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 20 04:54:56 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

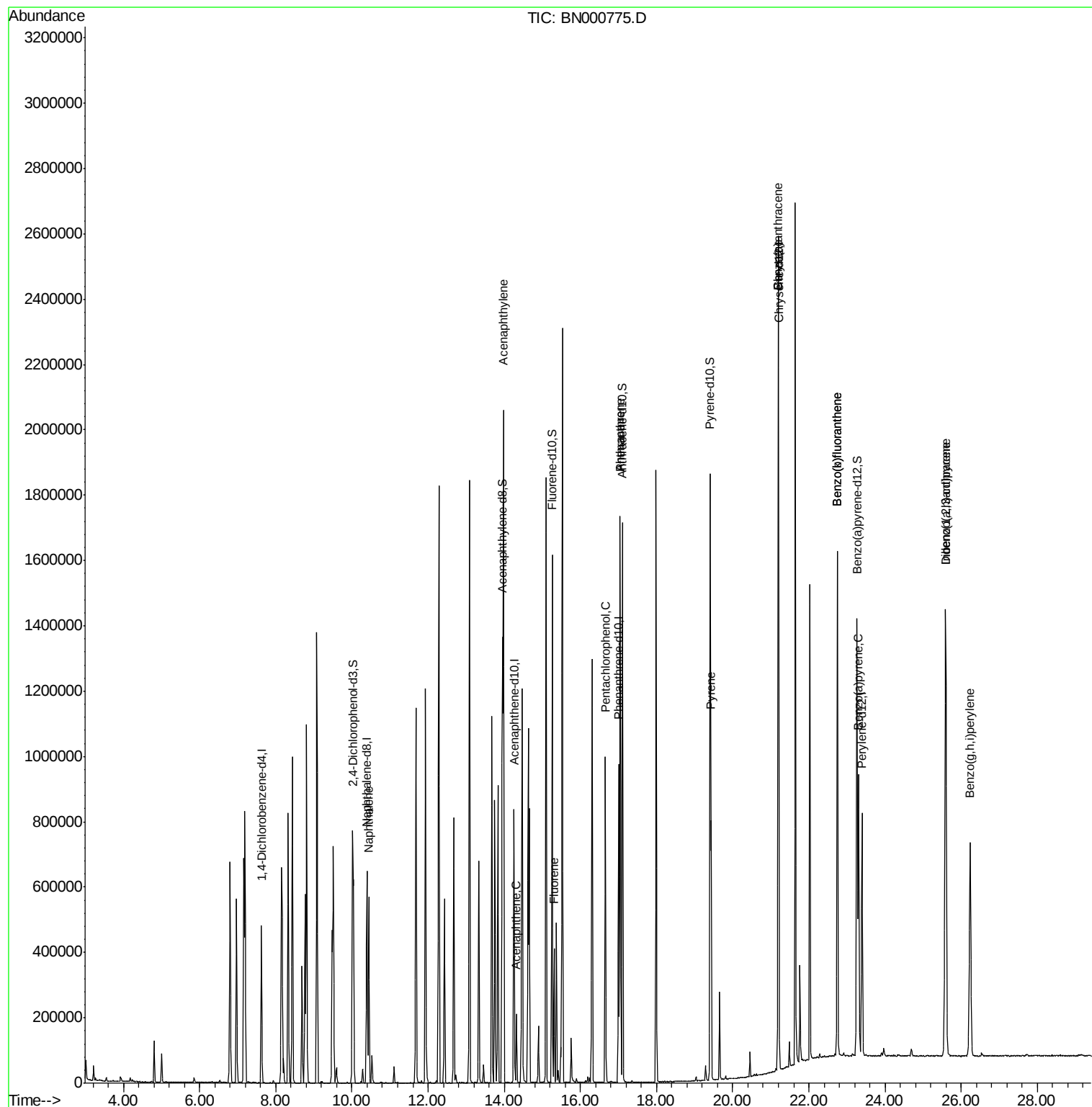
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	122248	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	512289	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	254892	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	508583	20.00	ng/ul	0.00
18) Chrysene-d12	21.21	240	450116	20.00	ng/ul	0.00
23) Perylene-d12	23.40	264	458936	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.02	165	262374	36.00	ng/ul	0.00
7) Acenaphthylene-d8	13.95	160	949103	38.69	ng/ul	0.00
10) Fluorene-d10	15.26	176	599216	36.45	ng/ul	0.00
15) Anthracene-d10	17.10	188	864107	36.75	ng/ul	0.00
19) Pyrene-d10	19.40	212	861038	38.01	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.26	264	803013	37.11	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.44	128	440696	16.992	ng/ul	100
8) Acenaphthylene	13.97	152	1392097	57.273	ng/ul	99
9) Acenaphthene	14.32	153	80650	4.805	ng/ul	98
11) Fluorene	15.31	166	166282	9.234	ng/ul	98
13) Pentachlorophenol	16.66	266	148236	48.236	ng/ul	99
14) Phenanthrene	17.05	178	954433	34.350	ng/ul	99
16) Anthracene	17.05	178	954433	33.971	ng/ul	98
20) Pyrene	19.43	202	527335	18.505	ng/ul#	71
21) Benzo(a)anthracene	21.19	228	1150074	42.886	ng/ul	98
22) Chrysene	21.19	228	1150074	45.346	ng/ul	97
24) Benzo(b)fluoranthene	22.75	252	943159	35.530	ng/ul#	95
25) Benzo(k)fluoranthene	22.75	252	948247	37.009	ng/ul#	96
27) Benzo(a)pyrene	23.30	252	550839	21.685	ng/ul#	94
28) Indeno(1,2,3-cd)pyrene	25.59	276	308308	10.868	ng/ul#	51
29) Dibenzo(a,h)anthracene	25.59	278	1304351	54.978	ng/ul#	90
30) Benzo(g,h,i)perylene	26.23	276	682277	29.045	ng/ul#	86

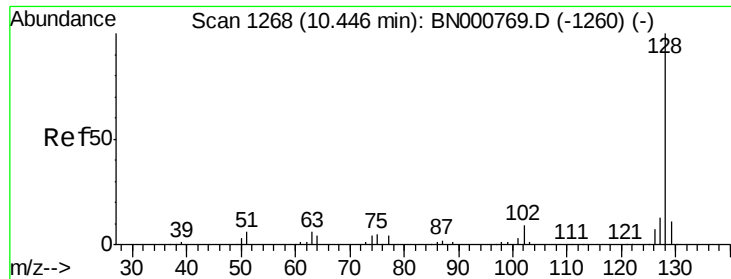
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 16.992 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

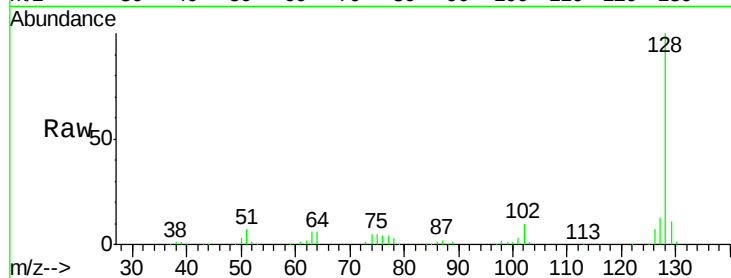
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 440696

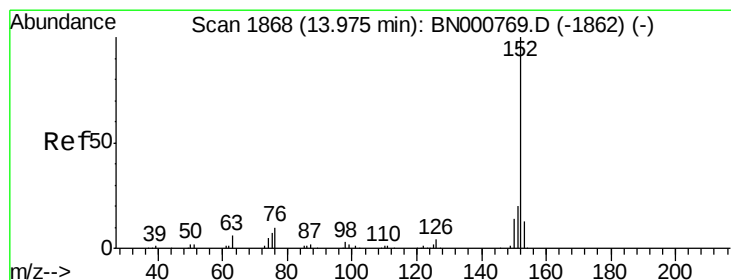
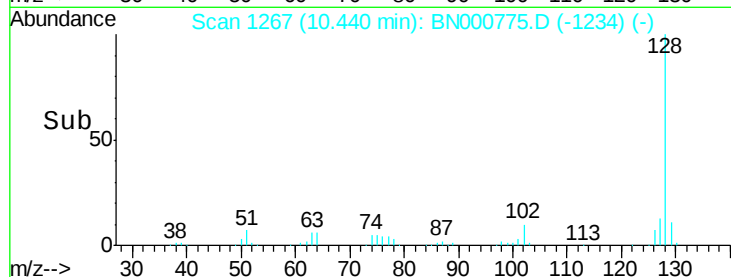
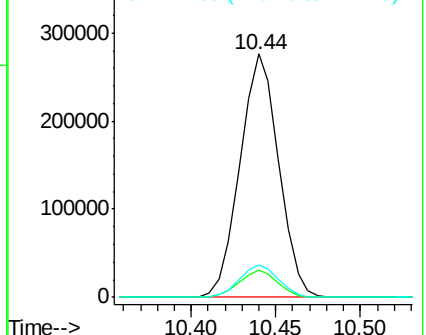
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	16.0



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



#8

Acenaphthylene

Concen: 57.273 ng/ul

RT: 13.97 min Scan# 1868

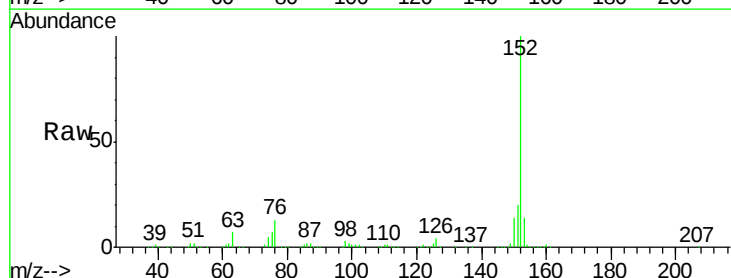
Delta R.T. -0.00 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

Tgt Ion:152 Resp: 1392097

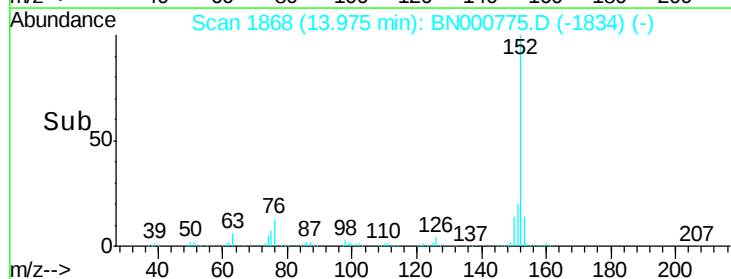
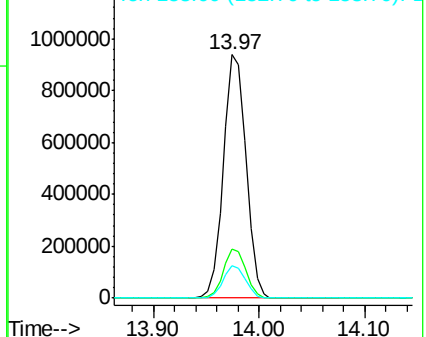
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.5	10.2	15.4

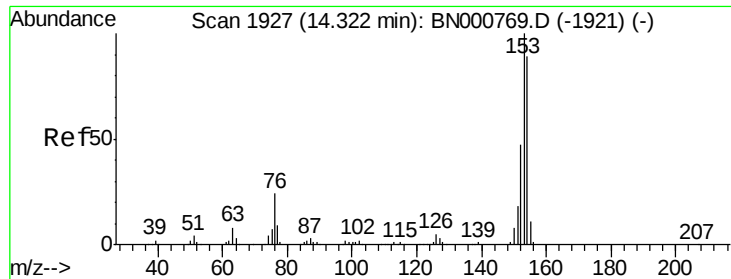


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 4.805 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

Instrument :

BNA_N

ClientSampleId :

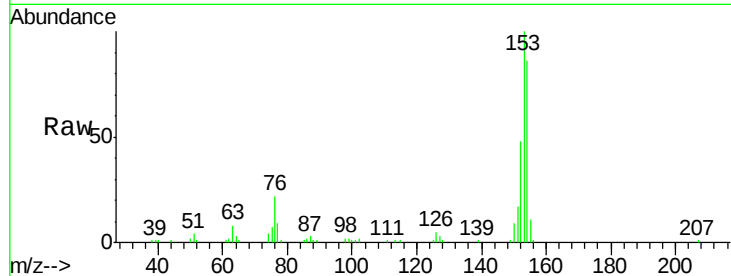
Tot Ion:153 Resp: 80650

Ion Ratio Lower Upper

153 100

152 47.9 37.6 56.4

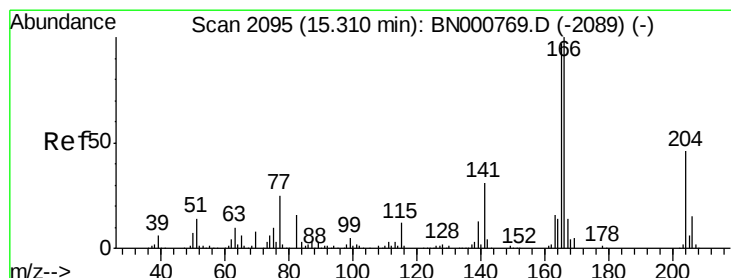
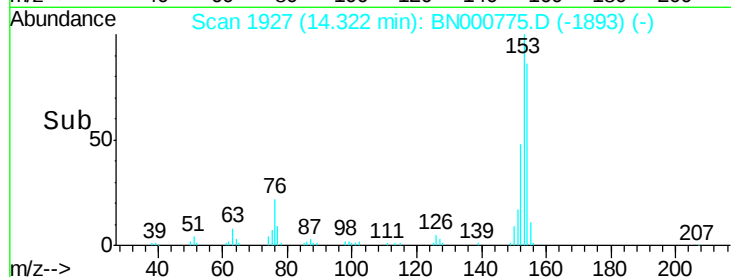
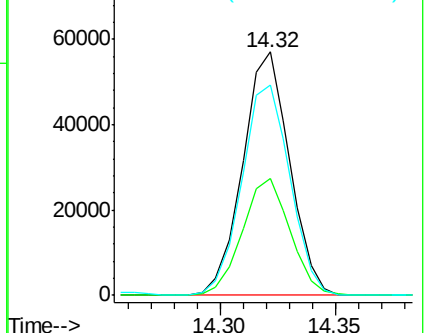
154 86.1 70.4 105.6



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: 9.234 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

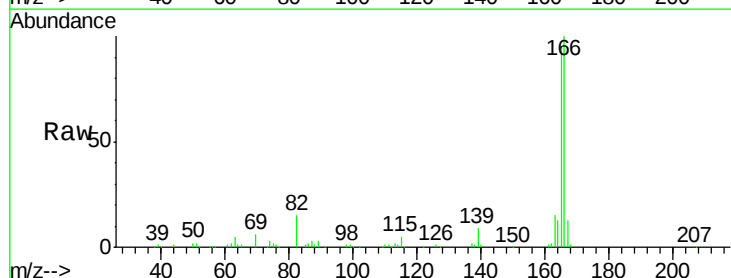
Tgt Ion:166 Resp: 166282

Ion Ratio Lower Upper

166 100

165 95.3 77.9 116.9

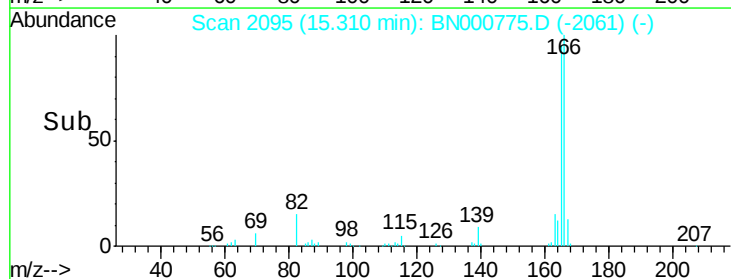
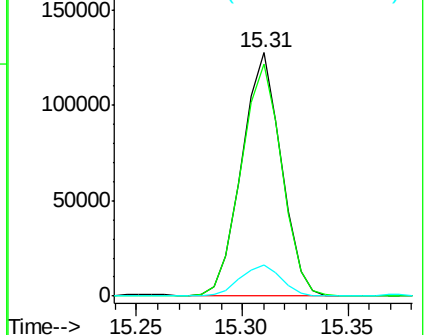
167 12.8 10.6 16.0

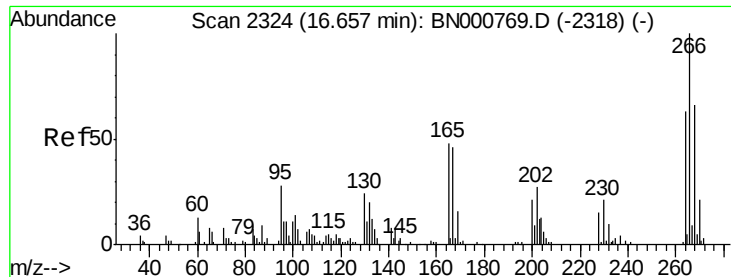


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

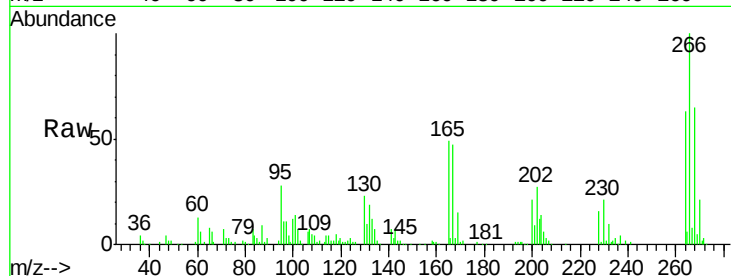




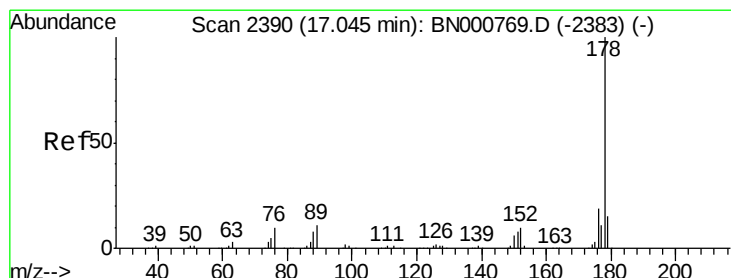
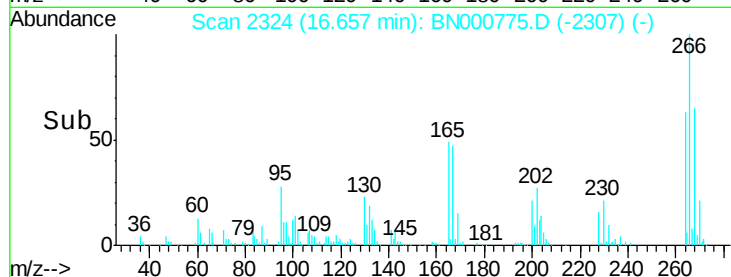
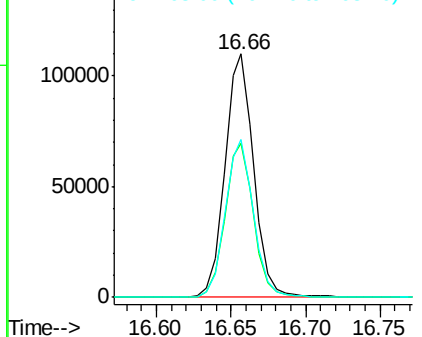
#13
 Pentachlorophenol
 Concen: 48.236 ng/ul
 RT: 16.66 min Scan# 2324
 Delta R.T. -0.00 min
 Lab File: BN000775.D
 Acq: 19 Apr 2018 15:27

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.3	73.9
268	64.9	52.6	78.8

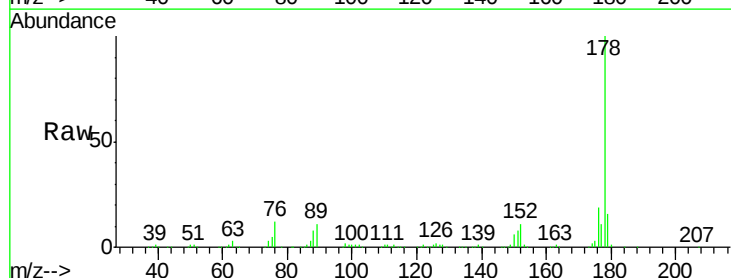


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

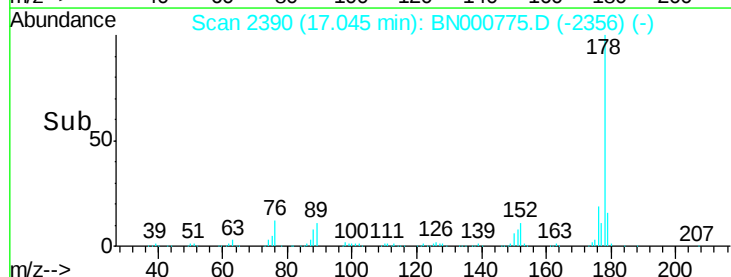
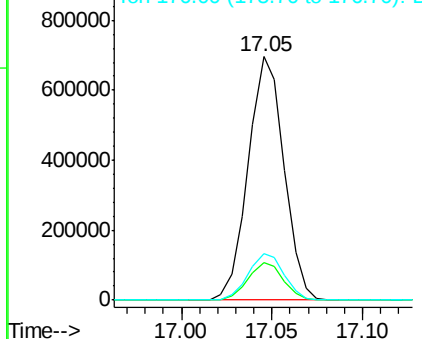


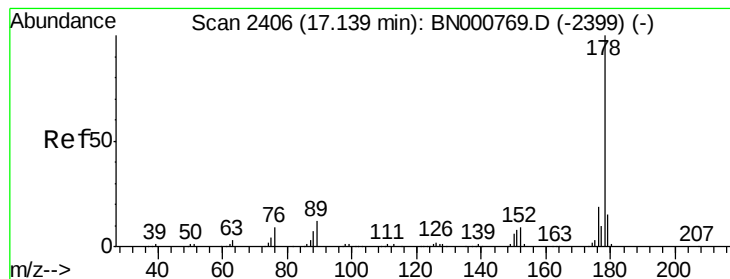
#14
 Phenanthrene
 Concen: 34.350 ng/ul
 RT: 17.05 min Scan# 2390
 Delta R.T. -0.00 min
 Lab File: BN000775.D
 Acq: 19 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	19.2	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: 33.971 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.09 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

Instrument :

BNA_N

ClientSampleId :

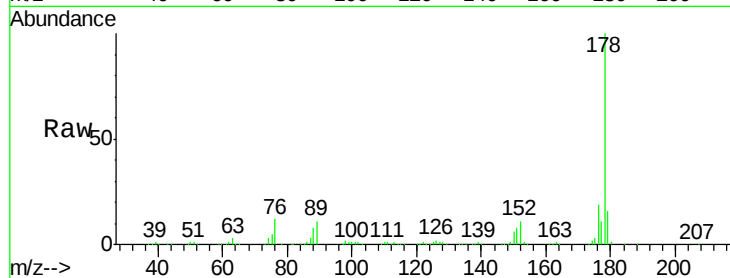
Tot Ion:178 Resp: 954433

Ion Ratio Lower Upper

178 100

179 15.5 11.7 17.5

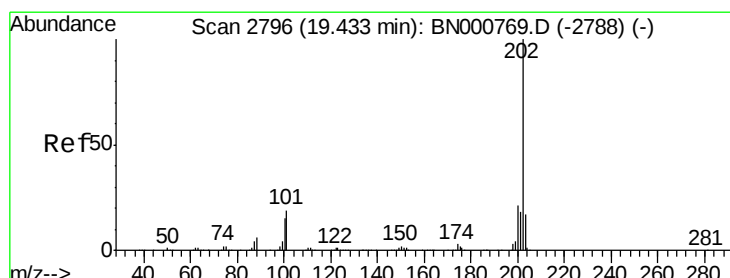
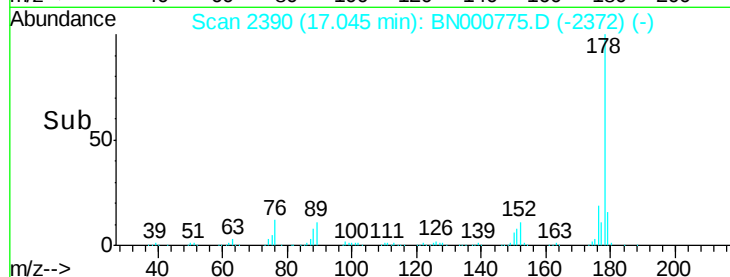
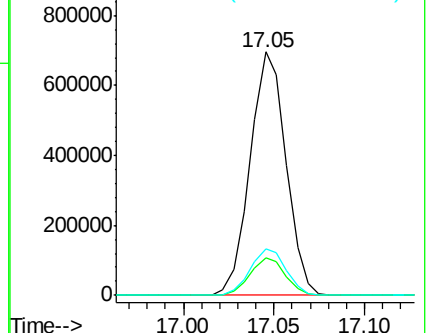
176 19.2 14.6 21.8



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



#20

Pyrene

Concen: 18.505 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

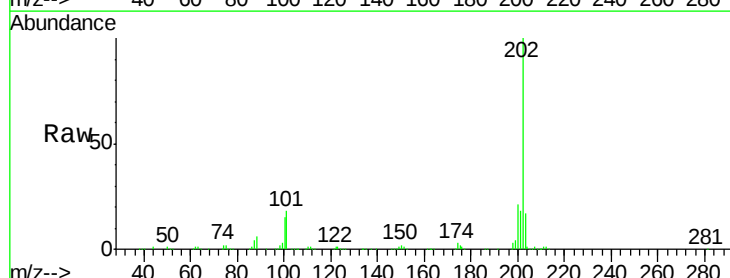
Tgt Ion:202 Resp: 527335

Ion Ratio Lower Upper

202 100

101 17.7 5.1 7.7#

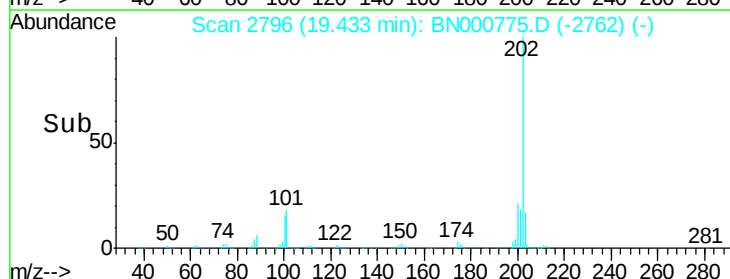
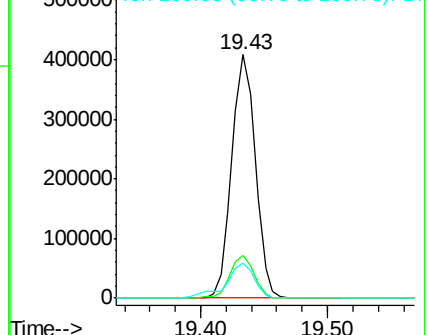
100 14.5 4.9 7.3#

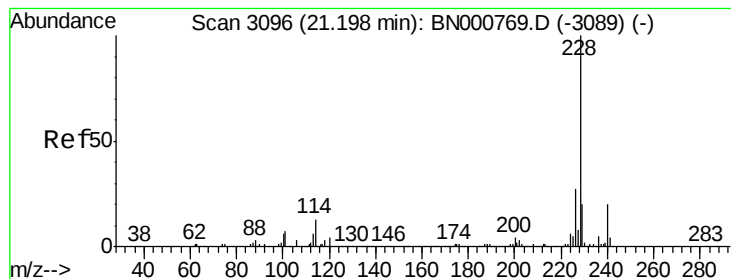


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 42.886 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

Instrument :

BNA_N

ClientSampled :

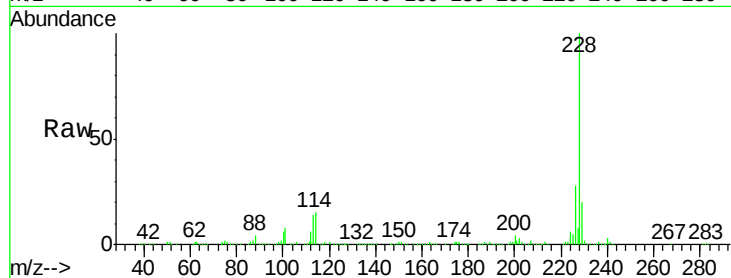
Tot Ion:228 Resp: 1150074

Ion Ratio Lower Upper

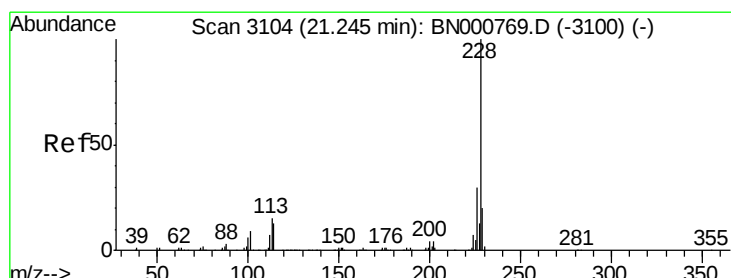
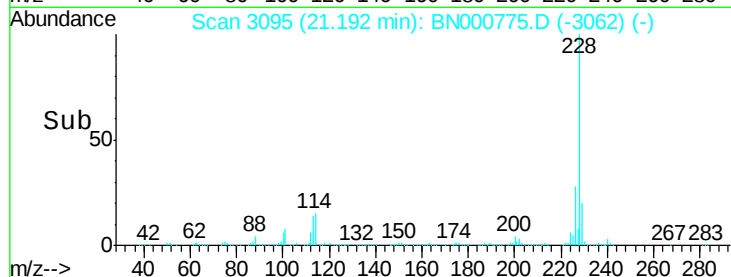
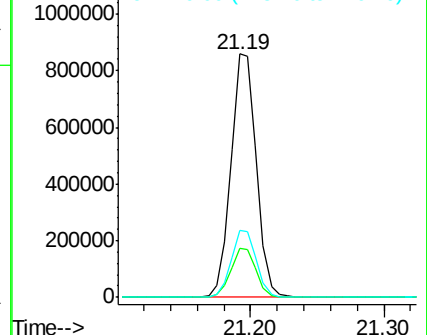
228 100

229 20.2 15.4 23.0

226 27.6 21.4 32.0



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



#22

Chrysene

Concen: 45.346 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.05 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

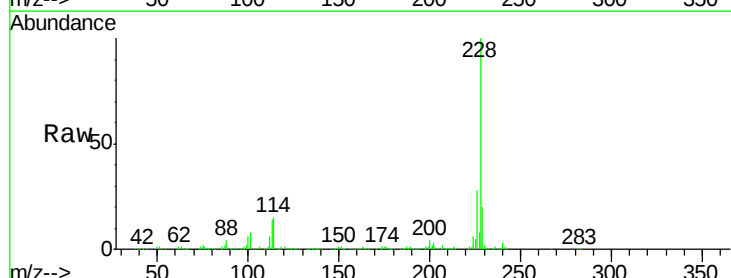
Tgt Ion:228 Resp: 1150074

Ion Ratio Lower Upper

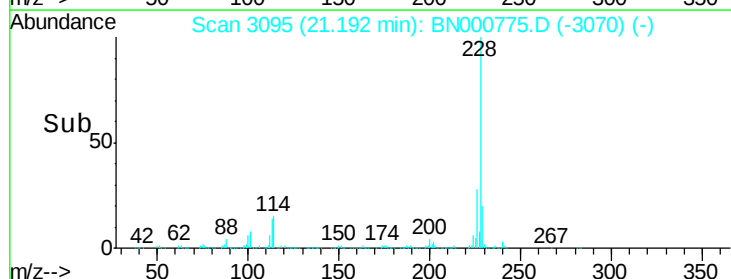
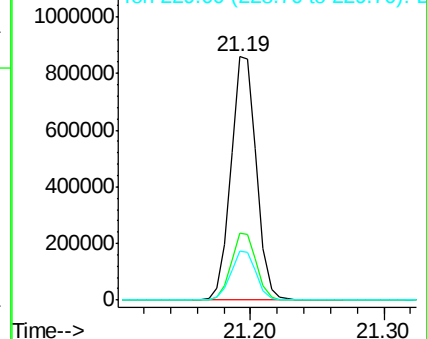
228 100

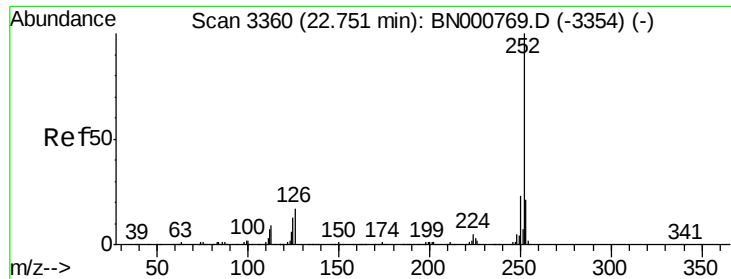
226 27.6 23.4 35.2

229 20.2 15.5 23.3



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





#24

Benzo(b)fluoranthene

Concen: 35.530 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.00 min

Lab File: BN000775.D

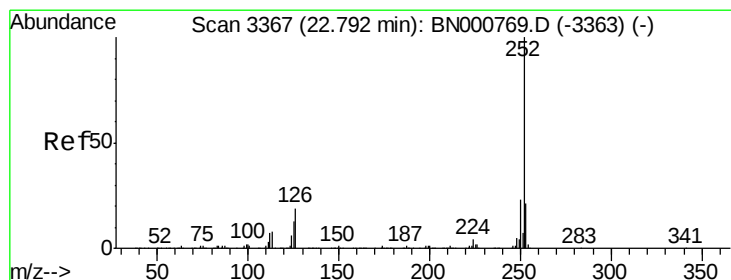
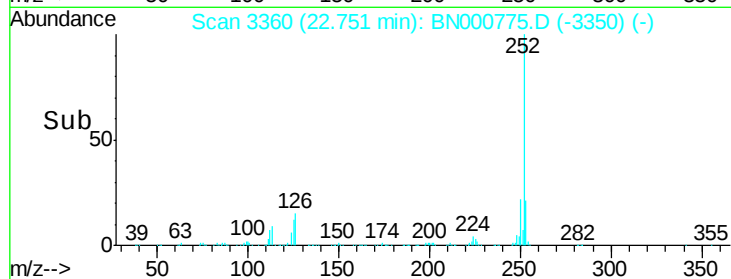
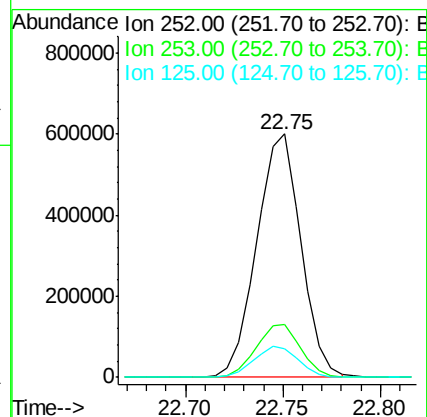
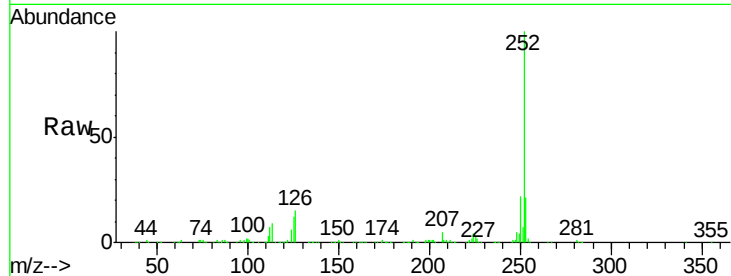
Acq: 19 Apr 2018 15:27

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	252	Resp:	943159
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	11.8	3.6	5.4#



#25

Benzo(k)fluoranthene

Concen: 37.009 ng/ul

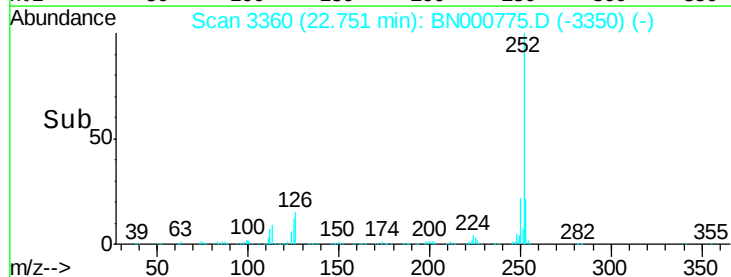
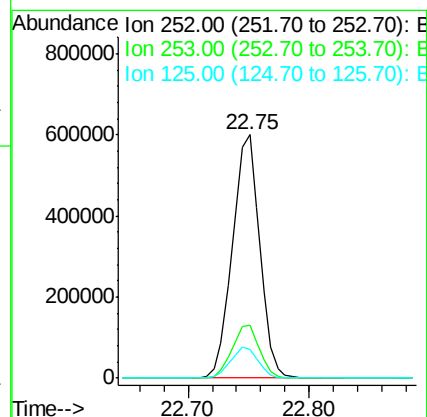
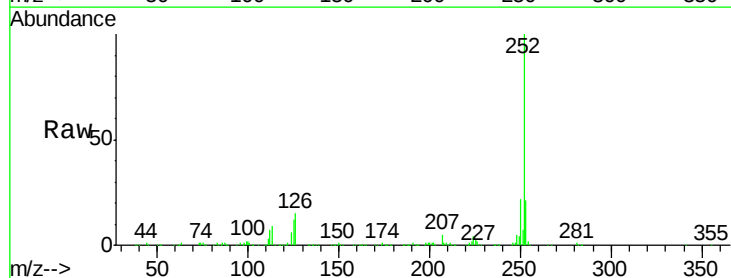
RT: 22.75 min Scan# 3360

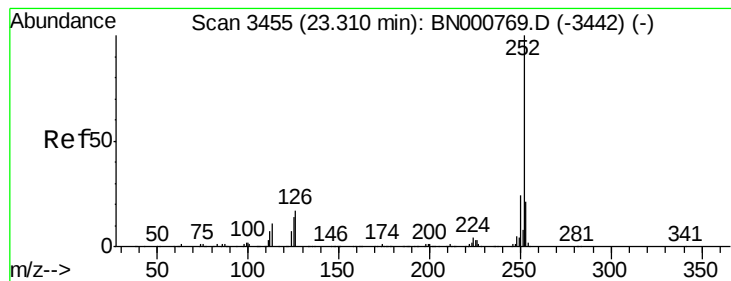
Delta R.T. -0.04 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

Tgt Ion:	252	Resp:	948247
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	11.8	3.4	5.2#





#27

Benzo(a)pyrene

Concen: 21.685 ng/u1

RT: 23.30 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BN000775.D

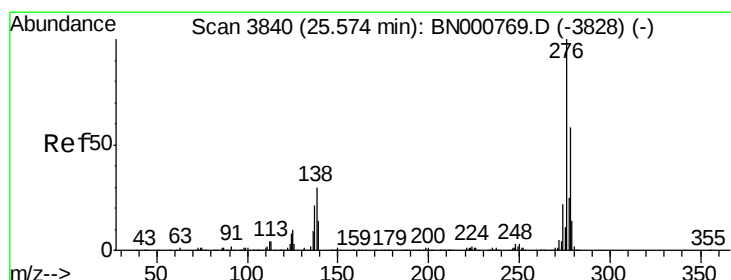
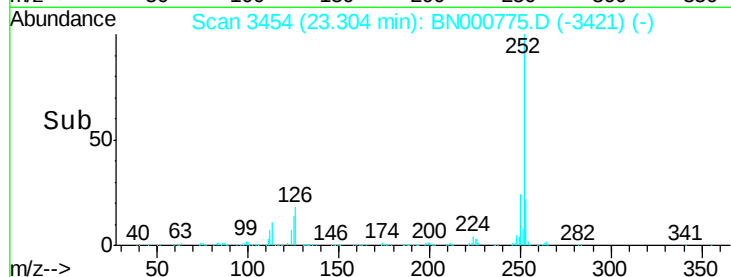
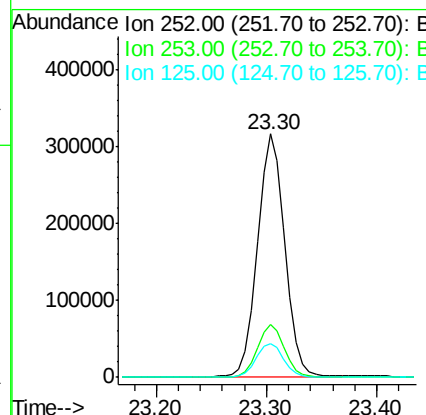
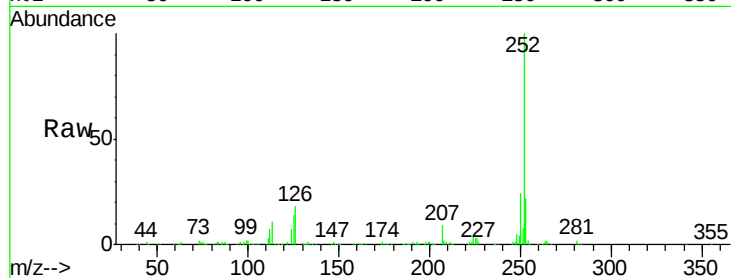
Acq: 19 Apr 2018 15:27

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	252	Resp:	550839
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	14.0	4.0	6.0#



#28

Indeno(1,2,3-cd)pyrene

Concen: 10.868 ng/u1

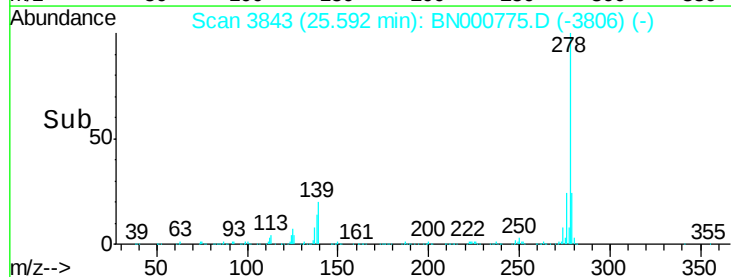
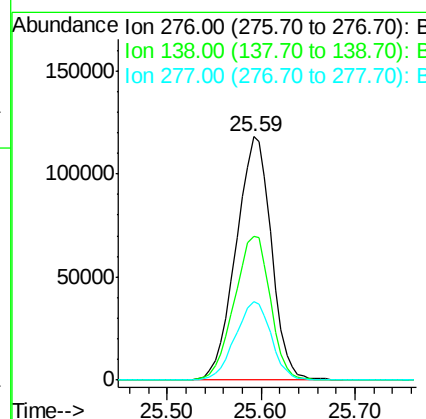
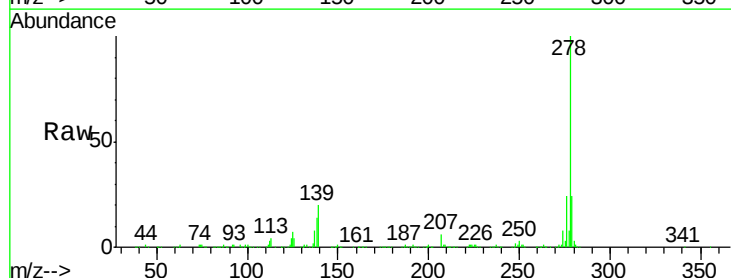
RT: 25.59 min Scan# 3843

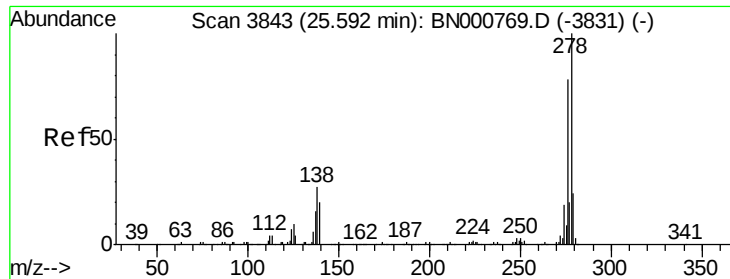
Delta R.T. 0.02 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

Tgt Ion:	276	Resp:	308308
Ion	Ratio	Lower	Upper
276	100		
138	58.9	9.3	13.9#
277	32.1	19.9	29.9#





#29

Dibenzo(a,h)anthracene

Concen: 54.978 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.00 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

Instrument :

BNA_N

ClientSampleId :

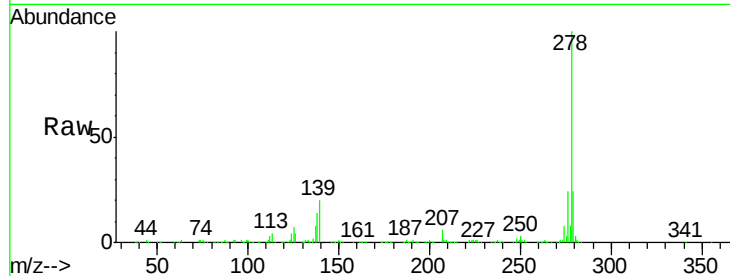
Tot Ion:278 Resp: 1304351

Ion Ratio Lower Upper

278 100

139 20.0 5.8 8.8#

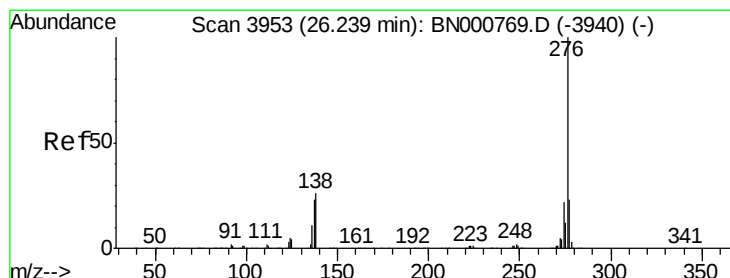
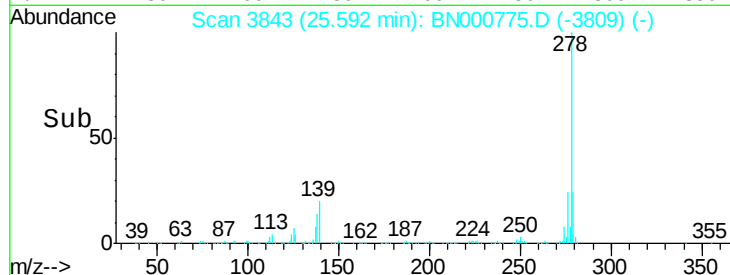
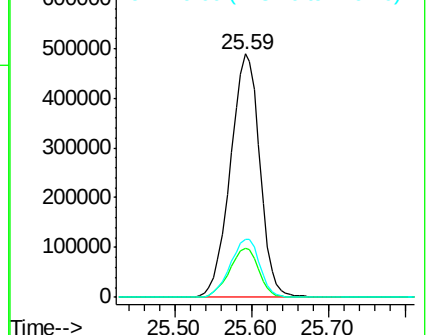
279 23.9 18.6 27.8



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: 29.045 ng/ul

RT: 26.23 min Scan# 3952

Delta R.T. -0.01 min

Lab File: BN000775.D

Acq: 19 Apr 2018 15:27

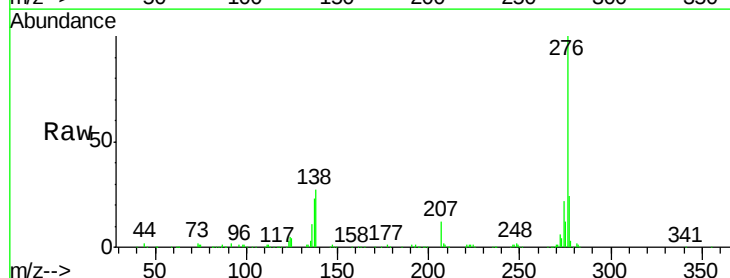
Tgt Ion:276 Resp: 682277

Ion Ratio Lower Upper

276 100

138 26.7 8.5 12.7#

277 23.6 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

