

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN042718\
 Data File : BN000991.D
 Acq On : 28 Apr 2018 08:11
 Operator : JU/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD02071

Quant Time: Apr 30 08:30:40 2018
 Quant Method : Z:\HPCHEM1\BNA_N\Methods\SOM-EPA-BN041918-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Apr 28 03:58:06 2018
 Response via : Initial Calibration

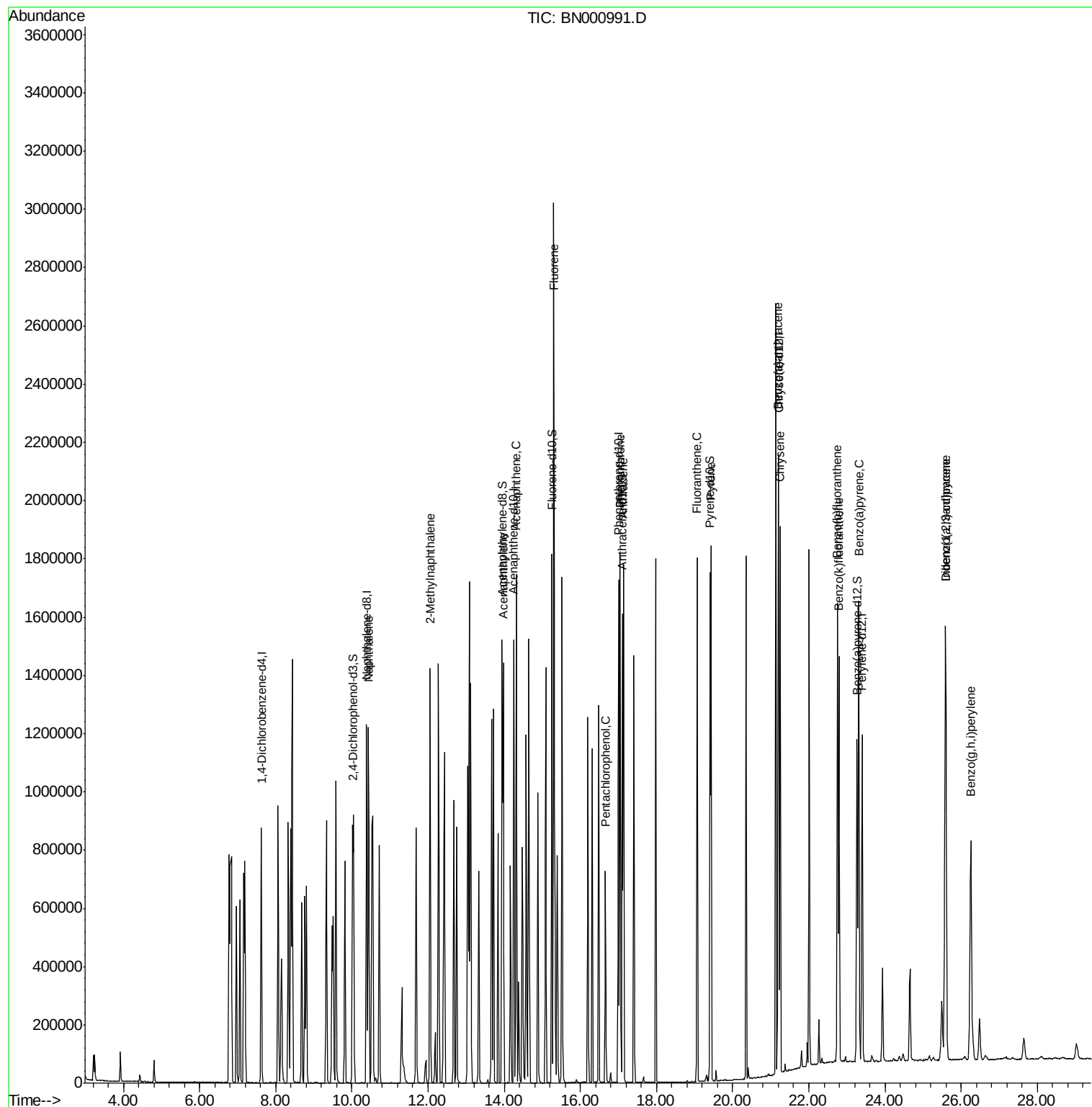
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	221161	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	965401	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	495547	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	927714	20.00	ng/ul	0.00
18) Chrysene-d12	21.21	240	706740	20.00	ng/ul	0.00
23) Perylene-d12	23.40	264	720736	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.02	165	298845	21.76	ng/ul	0.00
7) Acenaphthylene-d8	13.95	160	1011869	21.21	ng/ul	0.00
10) Fluorene-d10	15.25	176	645860	20.21	ng/ul	0.00
15) Anthracene-d10	17.10	188	873752	20.37	ng/ul	0.00
19) Pyrene-d10	19.40	212	788515	22.17	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.26	264	714487	21.02	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.43	128	985357	20.161	ng/ul	100
5) 2-Methylnaphthalene	12.05	142	666326	20.306	ng/ul	97
8) Acenaphthylene	13.98	152	974252	20.617	ng/ul	99
9) Acenaphthene	14.32	153	662078	20.288	ng/ul	99
11) Fluorene	15.30	166	700094	19.997	ng/ul	100
13) Pentachlorophenol	16.66	266	112139	20.004	ng/ul	98
14) Phenanthrene	17.05	178	1016556	20.056	ng/ul	99
16) Anthracene	17.13	178	1021246	19.927	ng/ul	98
17) Fluoranthene	19.07	202	987209	19.812	ng/ul#	75
20) Pyrene	19.43	202	976453	21.823	ng/ul#	72
21) Benzo(a)anthracene	21.19	228	869741	20.656	ng/ul	100
22) Chrysene	21.25	228	809999	20.341	ng/ul	99
24) Benzo(b)fluoranthene	22.75	252	839844	20.146	ng/ul#	95
25) Benzo(k)fluoranthene	22.79	252	829500	20.615	ng/ul#	95
27) Benzo(a)pyrene	23.31	252	819701	20.548	ng/ul#	94
28) Indeno(1,2,3-cd)pyrene	25.59	276	976090	21.910	ng/ul#	84
29) Dibenzo(a,h)anthracene	25.60	278	808428	21.698	ng/ul#	91
30) Benzo(g,h,i)perylene	26.25	276	815271	22.100	ng/ul#	87

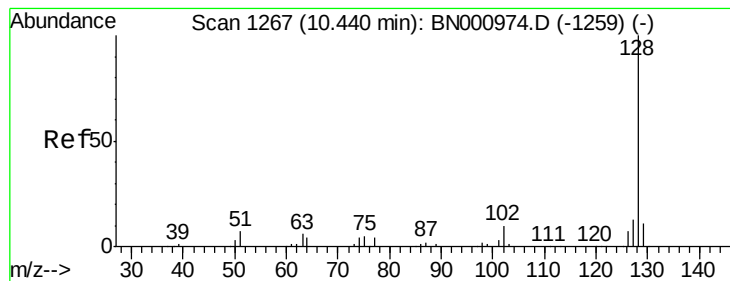
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.161 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

Instrument :

BNA_N

ClientSampleId :

SSTD02071

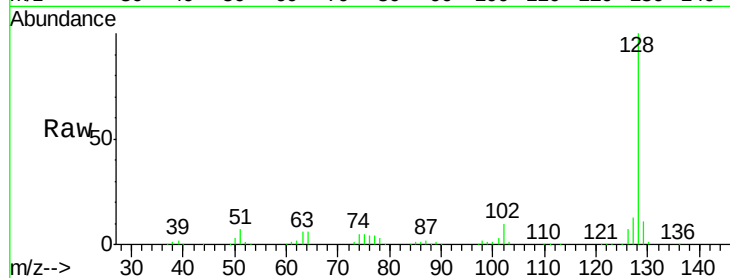
Tgt Ion:128 Resp: 985357

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

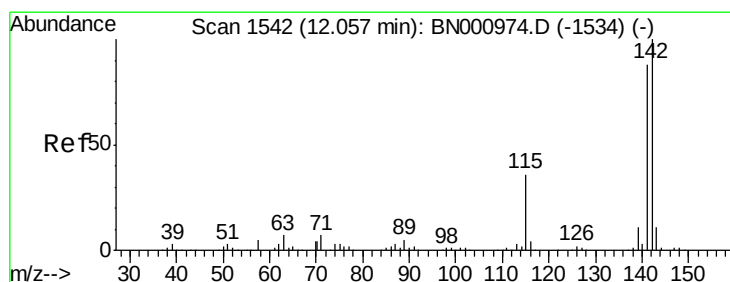
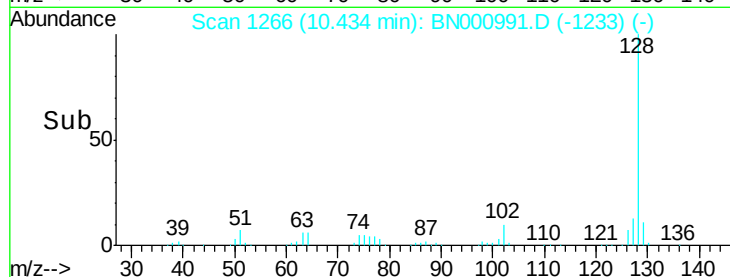
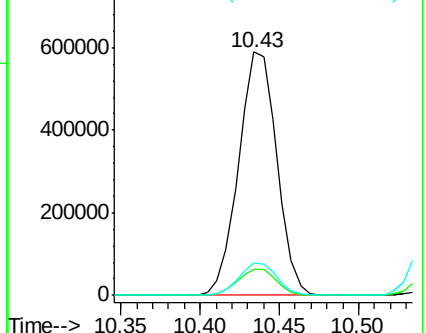
127 13.2 10.6 16.0



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



#5

2-Methylnaphthalene

Concen: 20.306 ng/ul

RT: 12.05 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BN000991.D

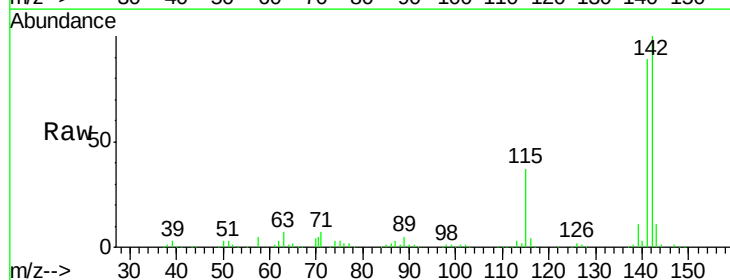
Acq: 28 Apr 2018 08:11

Tgt Ion:142 Resp: 666326

Ion Ratio Lower Upper

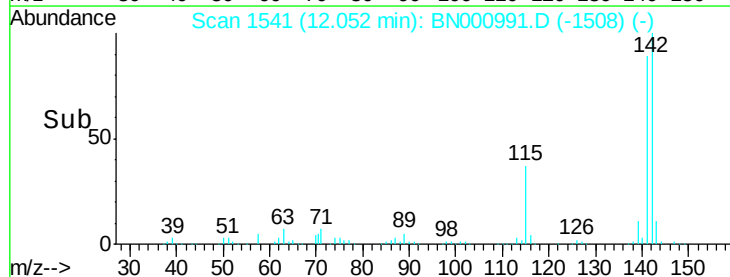
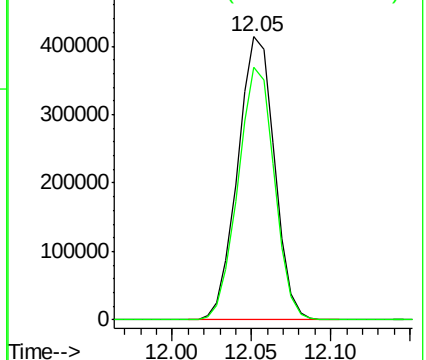
142 100

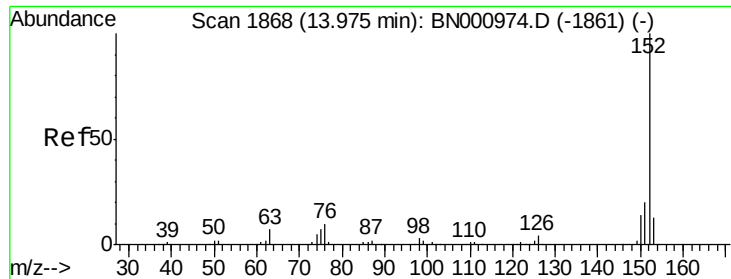
141 89.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 20.617 ng/ul

RT: 13.98 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

Instrument :

BNA_N

ClientSampleId :

SSTD02071

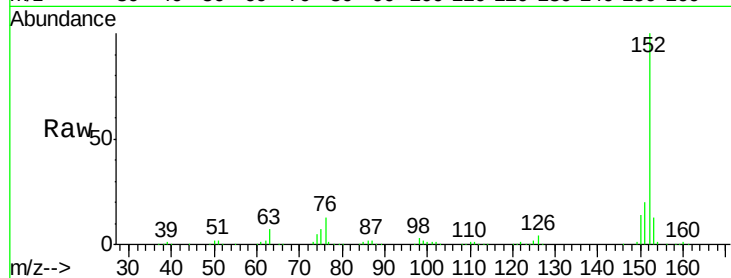
Tgt Ion:152 Resp: 974252

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

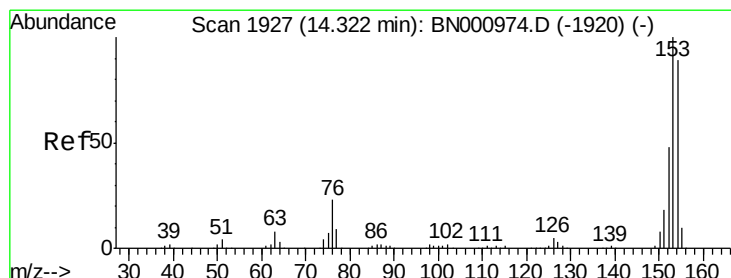
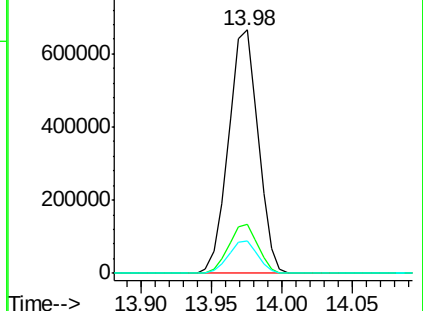
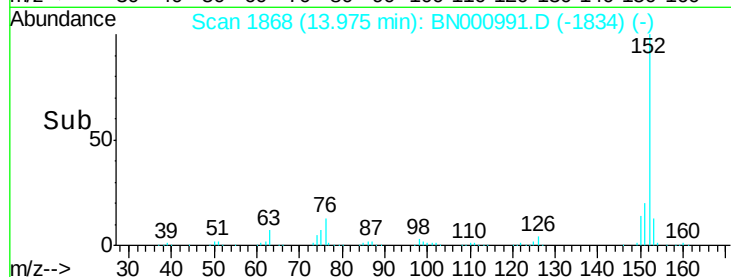
153 13.1 10.2 15.4



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: 20.288 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

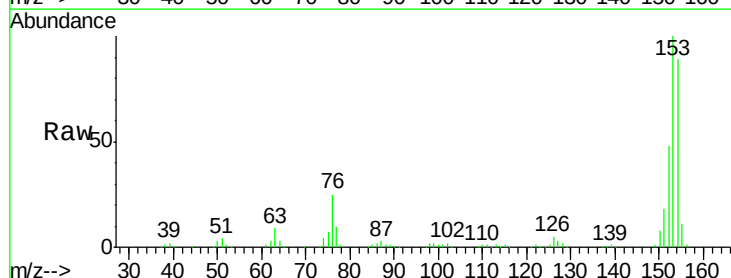
Tgt Ion:153 Resp: 662078

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

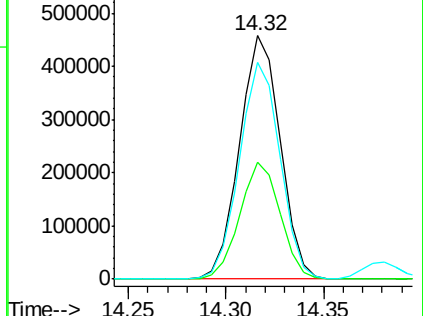
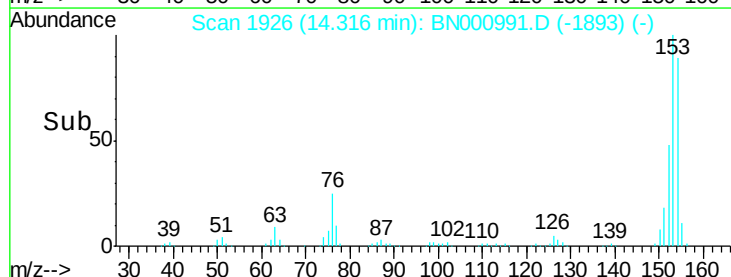
154 88.9 70.4 105.6

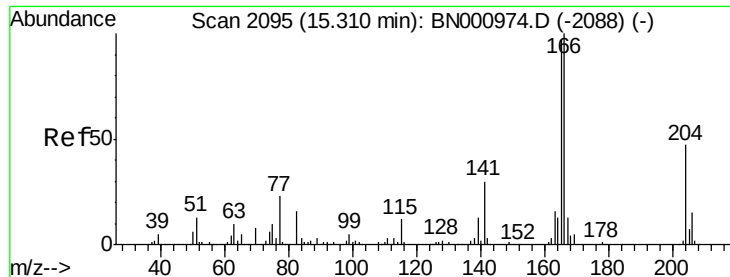


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 19.997 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. -0.01 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

Instrument :

BNA_N

ClientSampleId :

SSTD02071

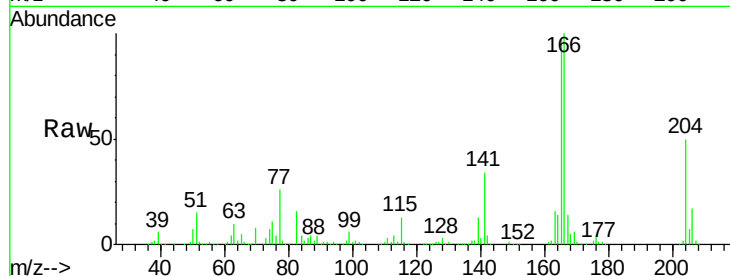
Tgt Ion:166 Resp: 700094

Ion Ratio Lower Upper

166 100

165 97.6 77.9 116.9

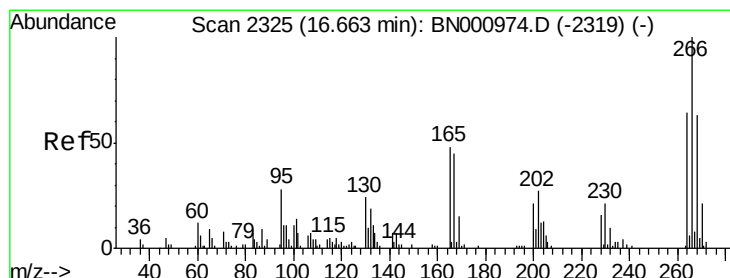
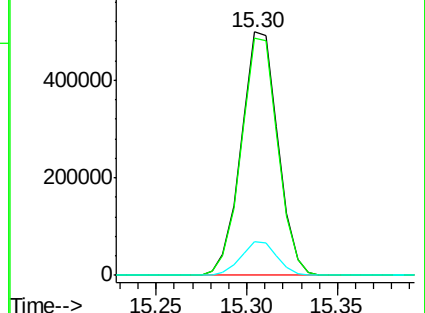
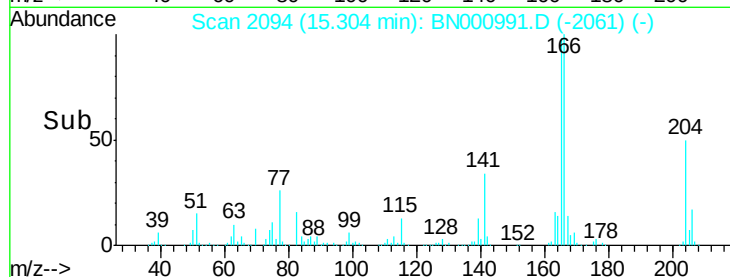
167 13.8 10.6 16.0



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: 20.004 ng/ul

RT: 16.66 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

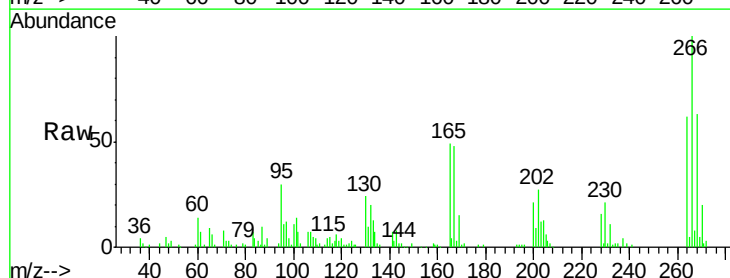
Tgt Ion:266 Resp: 112139

Ion Ratio Lower Upper

266 100

264 62.3 49.3 73.9

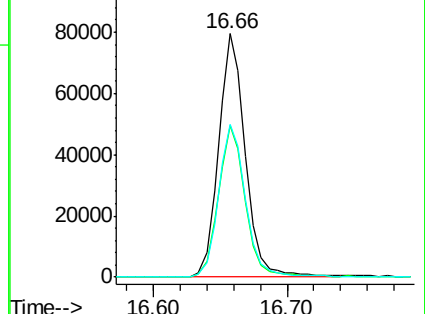
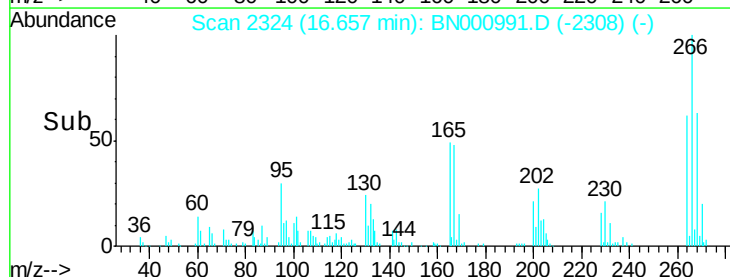
268 62.9 52.6 78.8

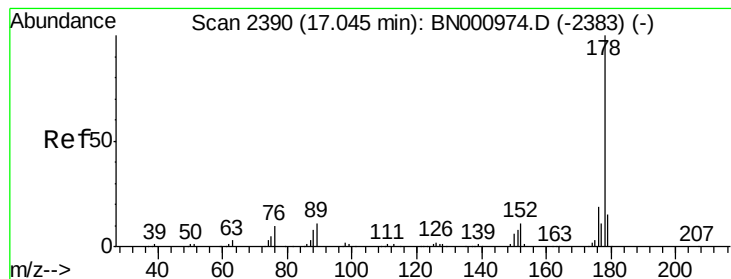


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 20.056 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

Instrument :

BNA_N

ClientSampleId :

SSTD02071

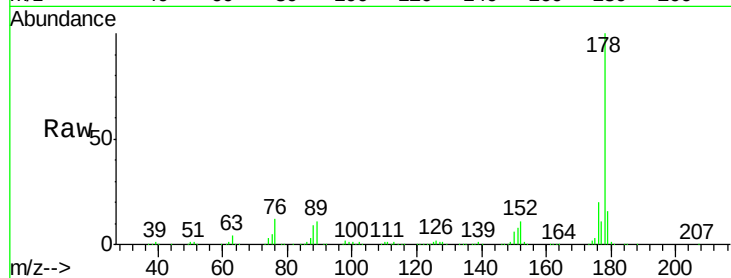
Tgt Ion:178 Resp: 1016556

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

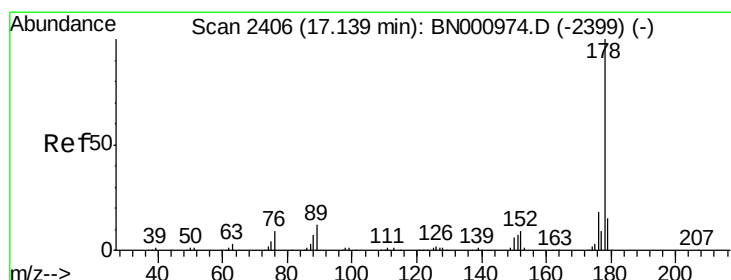
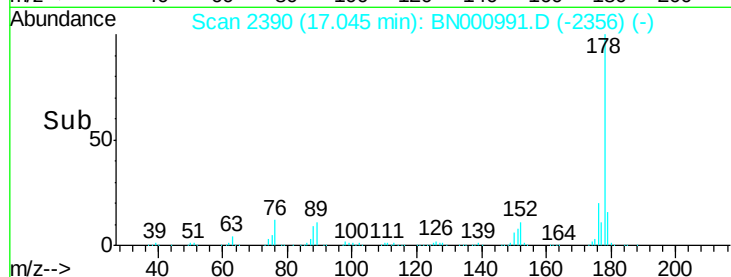
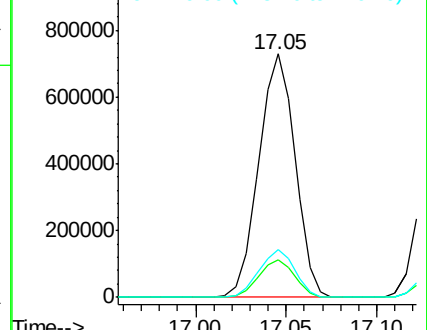
176 19.5 14.9 22.3



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: 19.927 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

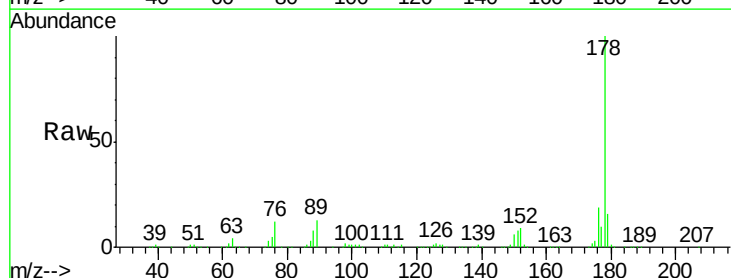
Tgt Ion:178 Resp: 1021246

Ion Ratio Lower Upper

178 100

179 15.9 11.7 17.5

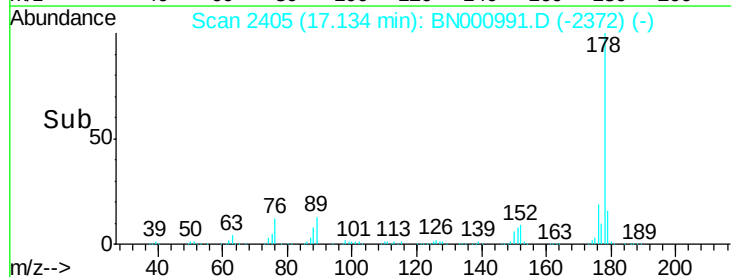
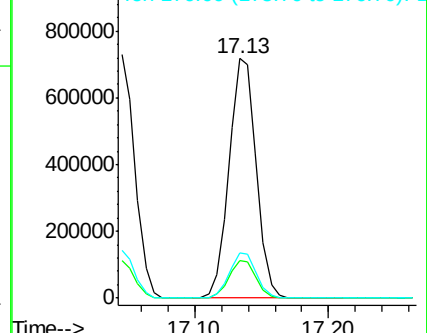
176 18.9 14.6 21.8

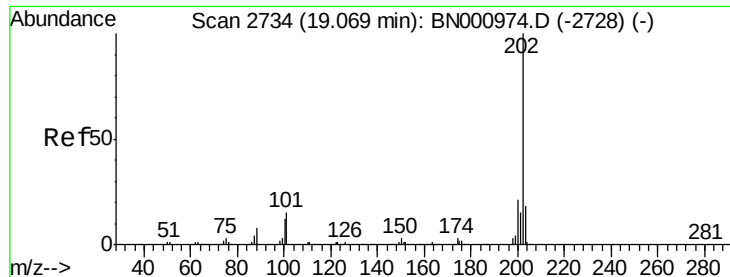


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

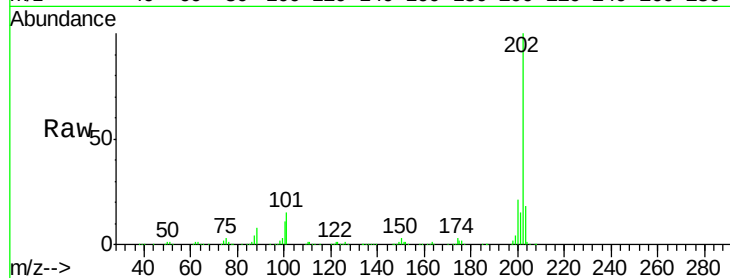




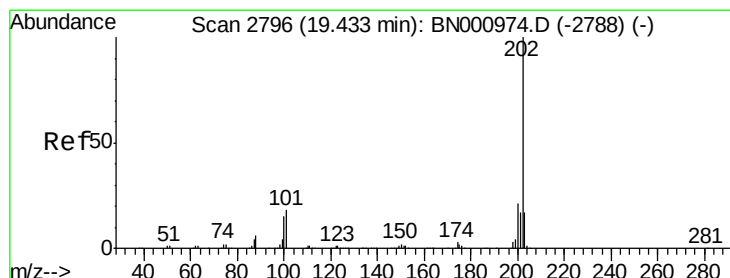
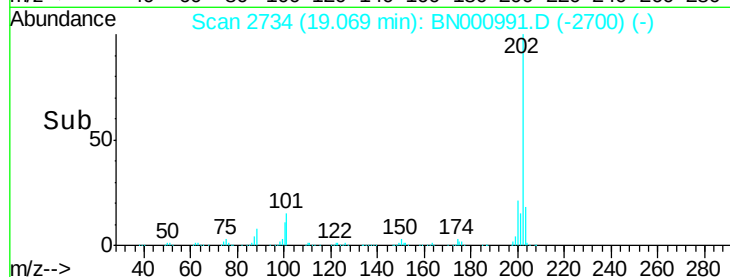
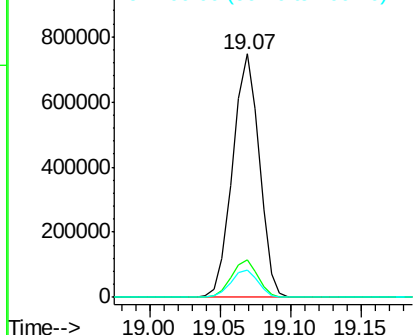
#17
 Fluoranthene
 Concen: 19.812 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: BN000991.D
 Acq: 28 Apr 2018 08:11

Instrument :
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	4.6	7.0#
100	11.3	3.4	5.2#

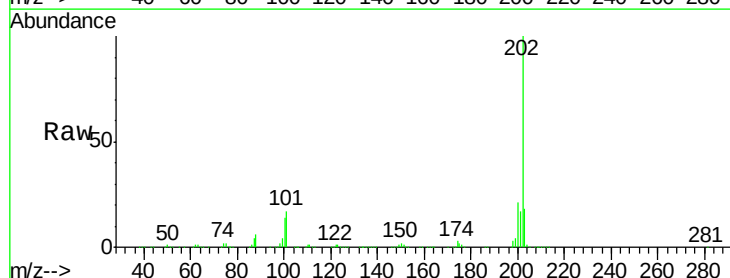


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

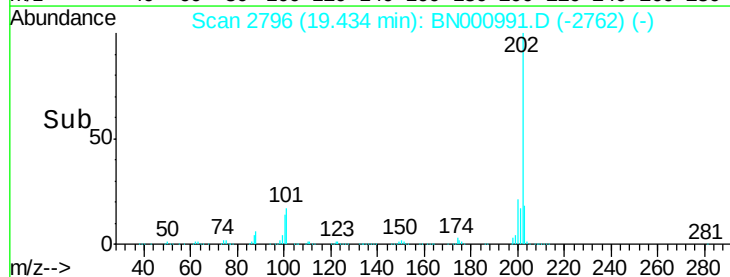
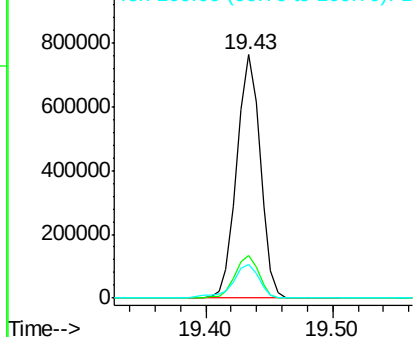


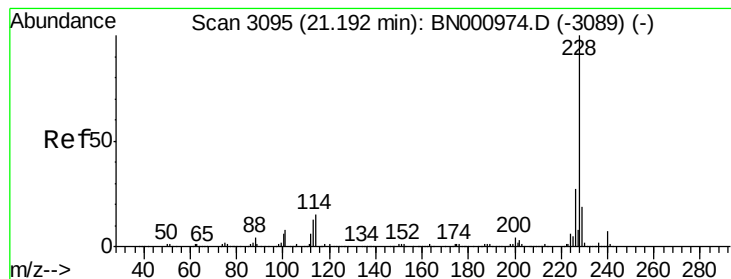
#20
 Pyrene
 Concen: 21.823 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.00 min
 Lab File: BN000991.D
 Acq: 28 Apr 2018 08:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.4	5.1	7.7#
100	14.0	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: 20.656 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BN000991.D

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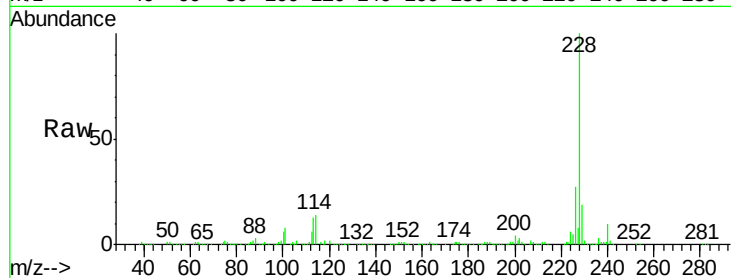
Tgt Ion:228 Resp: 869741

Ion Ratio Lower Upper

228 100

229 19.5 15.4 23.0

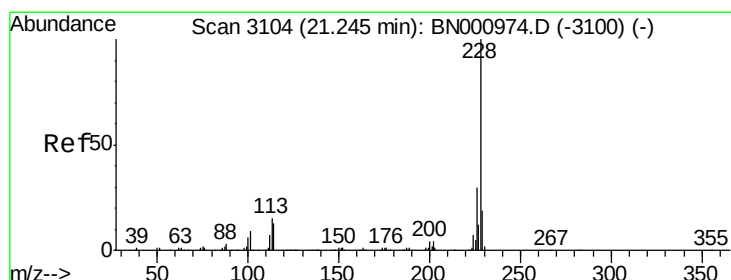
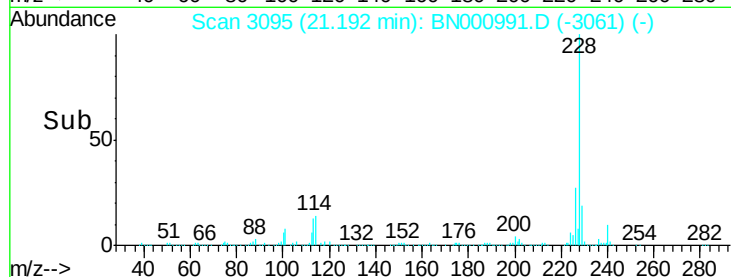
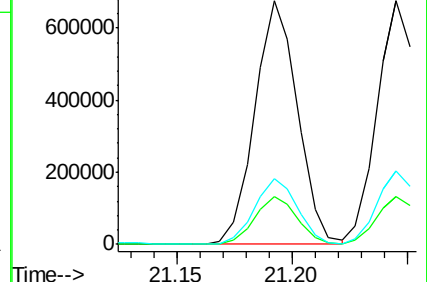
226 26.8 21.4 32.0



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: 20.341 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

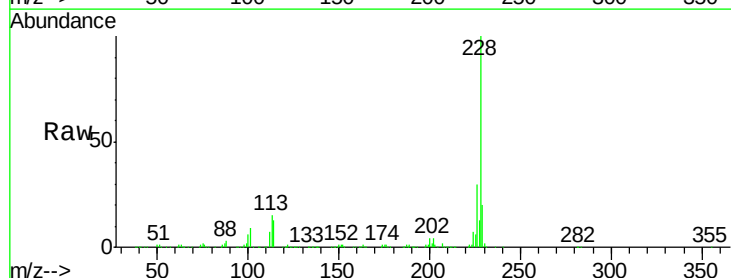
Tgt Ion:228 Resp: 809999

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

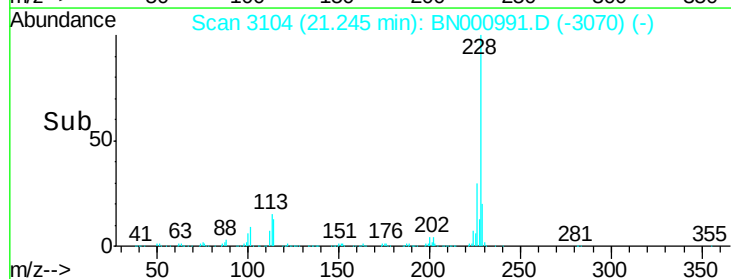
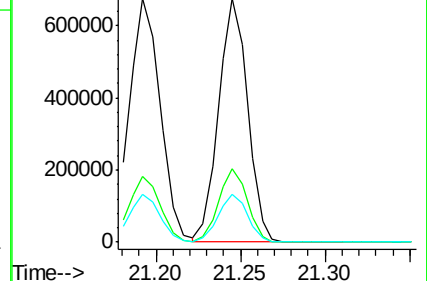
229 19.7 15.5 23.3

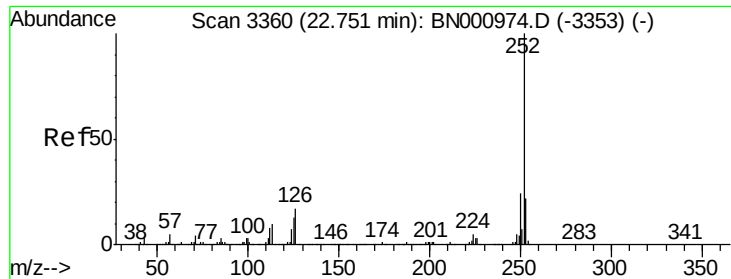


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 20.146 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. 0.00 min

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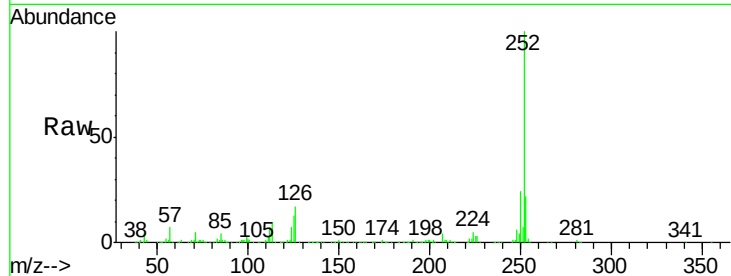
Tgt Ion:252 Resp: 839844

Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

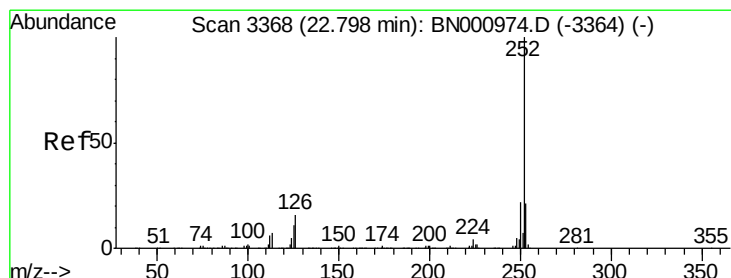
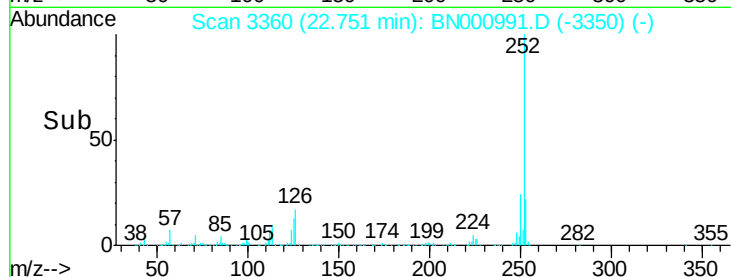
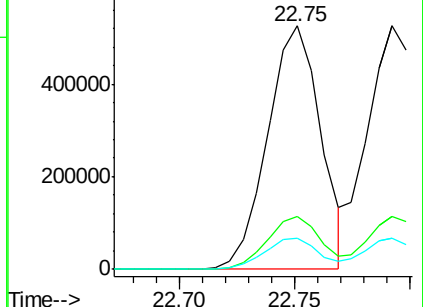
125 12.7 3.6 5.4#



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



#25

Benzo(k)fluoranthene

Concen: 20.615 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

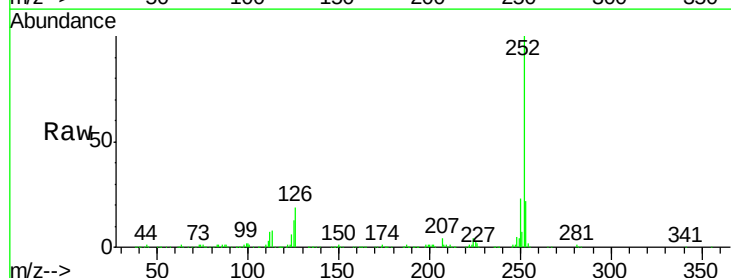
Tgt Ion:252 Resp: 829500

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

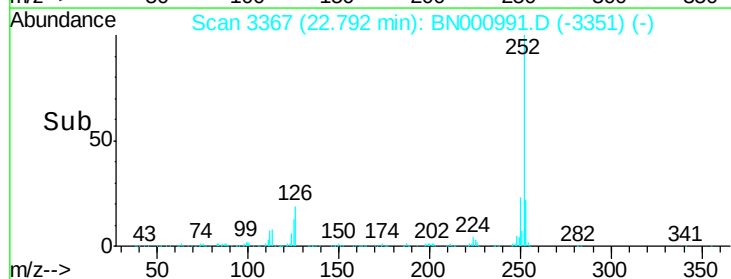
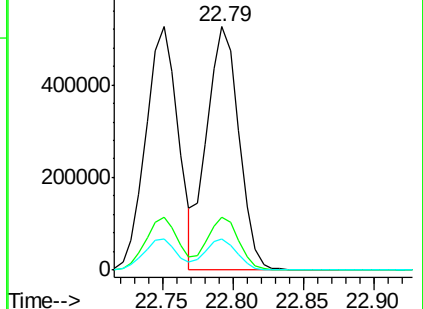
125 12.8 3.4 5.2#

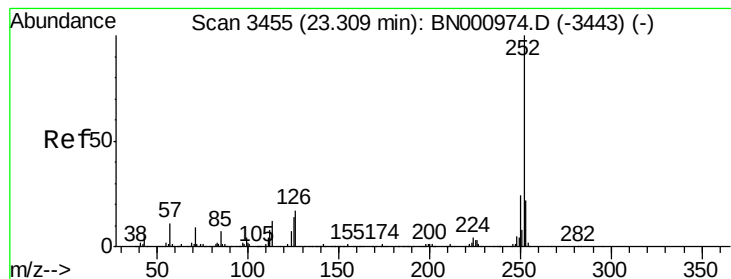


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 20.548 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. 0.00 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

Instrument :

BNA_N

ClientSampleId :

SSTD02071

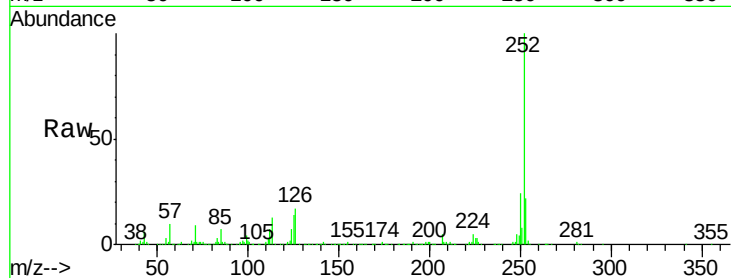
Tgt Ion:252 Resp: 819701

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.2

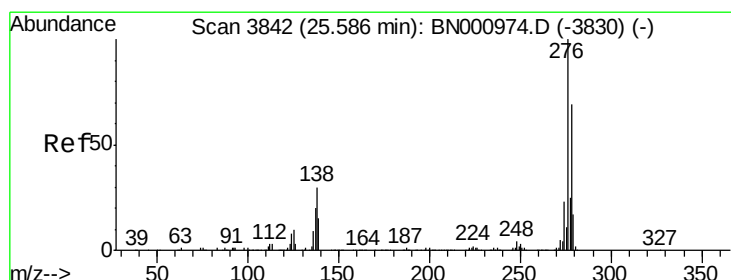
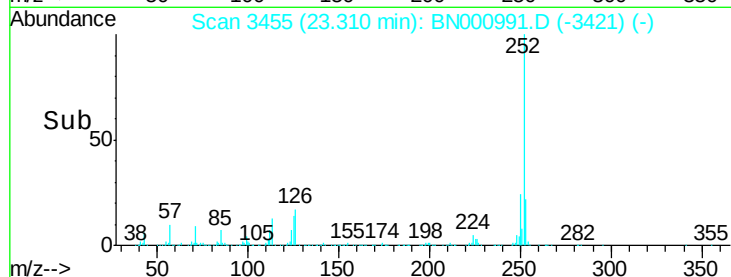
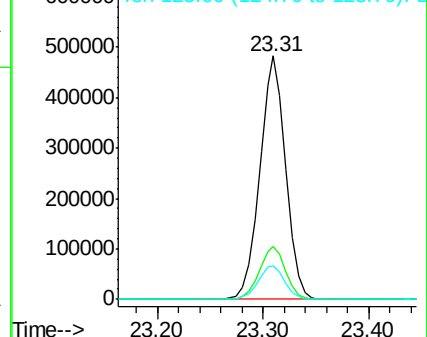
125 13.9 4.0 6.0#



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: 21.910 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. 0.00 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

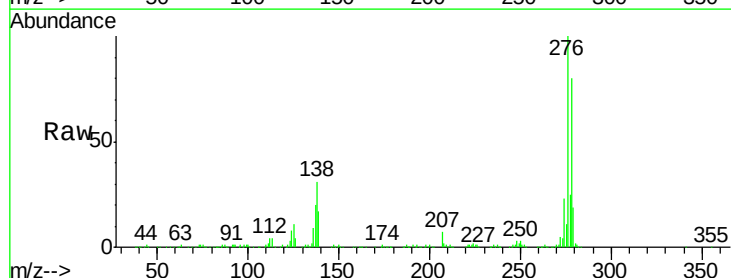
Tgt Ion:276 Resp: 976090

Ion Ratio Lower Upper

276 100

138 30.5 9.3 13.9#

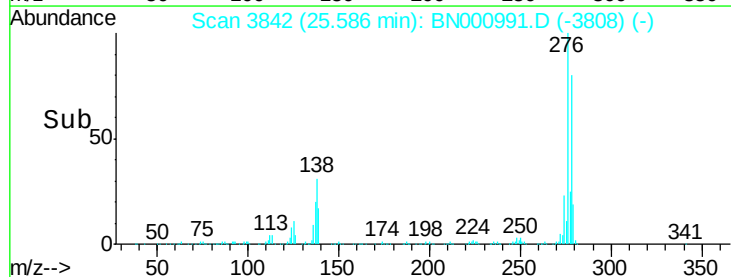
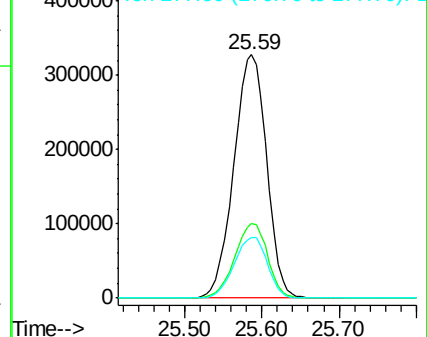
277 25.1 19.9 29.9

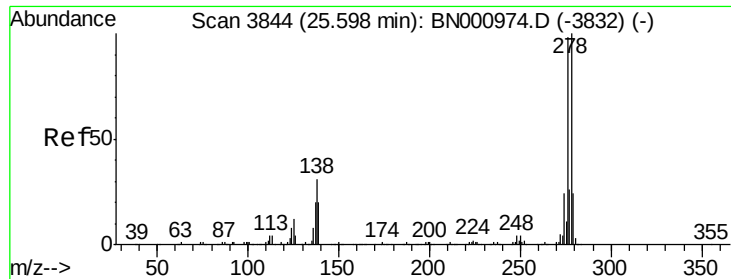


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 21.698 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. 0.00 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

Instrument :

BNA_N

ClientSampleId :

SSTD02071

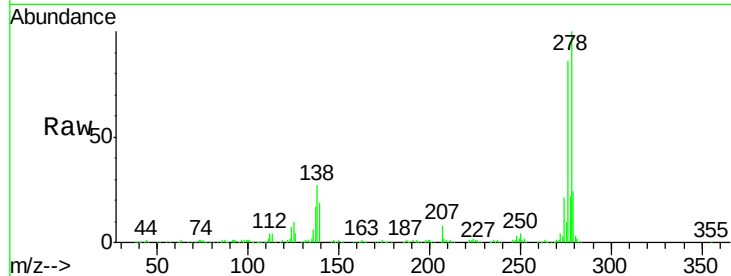
Tgt Ion:278 Resp: 808428

Ion Ratio Lower Upper

278 100

139 19.3 5.8 8.8#

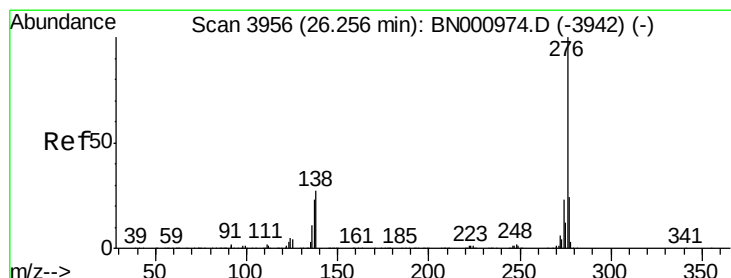
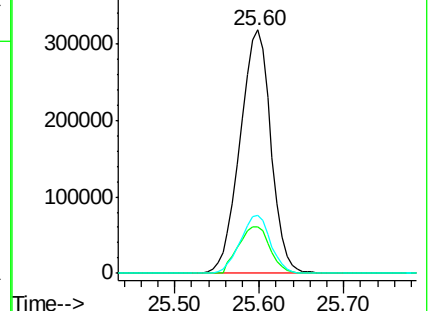
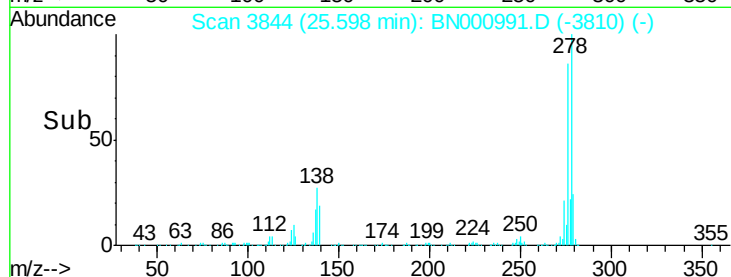
279 23.7 18.6 27.8



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: 22.100 ng/ul

RT: 26.25 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BN000991.D

Acq: 28 Apr 2018 08:11

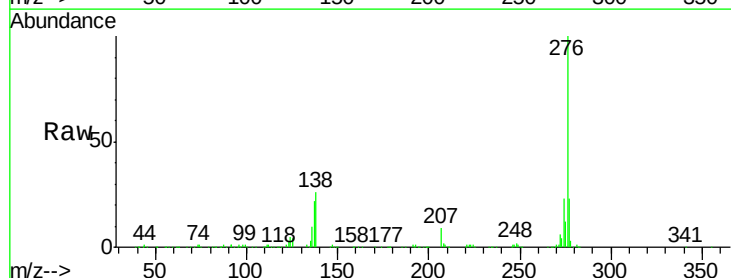
Tgt Ion:276 Resp: 815271

Ion Ratio Lower Upper

276 100

138 25.9 8.5 12.7#

277 23.5 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

