

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
 Data File : BN000407.D
 Acq On : 15 Mar 2018 10:13
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 05:40:51 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 15 07:55:46 2018
 Response via : Initial Calibration

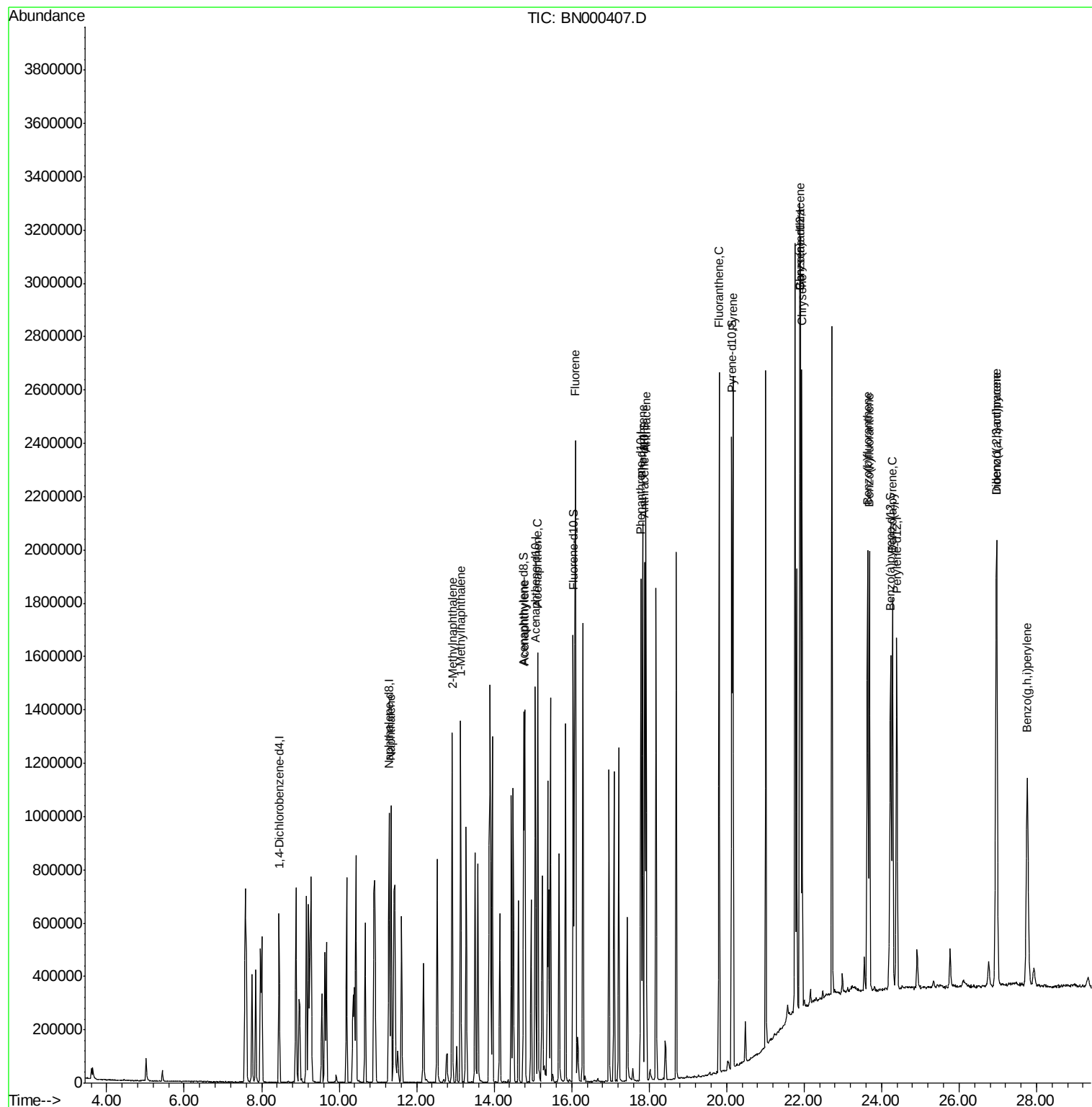
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	170576	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	847238	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.07	164	482418	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1085980	20.00	ng/ul	0.00
17) Chrysene-d12	21.91	240	1000982	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	936833	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	970618	20.27	ng/ul	0.00
10) Fluorene-d10	16.04	176	646945	19.95	ng/ul	0.00
14) Anthracene-d10	17.88	188	1011538	19.94	ng/ul	0.00
18) Pyrene-d10	20.14	212	1099845	22.46	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.24	264	855487	20.00	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	862235	19.285	ng/ul	100
4) 2-Methylnaphthalene	12.92	142	602907	19.157	ng/ul	97
5) 1-Methylnaphthalene	13.14	142	601565	19.046	ng/ul#	93
8) Acenaphthylene	14.79	152	962360	20.001	ng/ul	98
9) Acenaphthene	15.12	153	651059	19.441	ng/ul	95
11) Fluorene	16.10	166	737921	19.979	ng/ul	94
13) Phenanthrene	17.83	178	1200287	19.272	ng/ul	100
15) Anthracene	17.92	178	1244345	19.691	ng/ul	99
16) Fluoranthene	19.81	202	1393119	20.703	ng/ul#	94
19) Pyrene	20.17	202	1402669	22.195	ng/ul#	88
20) Benzo(a)anthracene	21.89	228	1257988	20.216	ng/ul	98
21) Chrysene	21.94	228	1166002	19.745	ng/ul	100
23) Benzo(b)fluoranthene	23.64	252	1134851	20.315	ng/ul#	97
24) Benzo(k)fluoranthene	23.68	252	1071101	20.483	ng/ul#	96
26) Benzo(a)pyrene	24.28	252	1052800	19.801	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	26.97	276	1172937	20.461	ng/ul#	81
28) Dibenzo(a,h)anthracene	26.98	278	979747	20.851	ng/ul#	94
29) Benzo(g,h,i)perylene	27.76	276	970307	20.271	ng/ul#	90

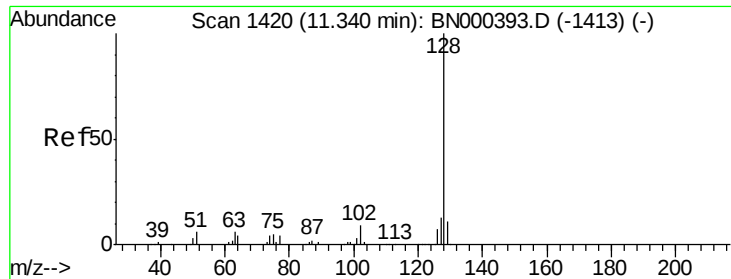
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Mar 16 05:40:51 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 15 07:55:46 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 19.285 ng/ul

RT: 11.34 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

Instrument :

BNA_N

ClientSampleId :

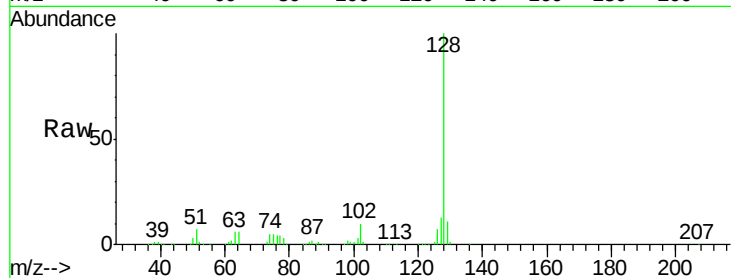
Tot Ion:128 Resp: 862235

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

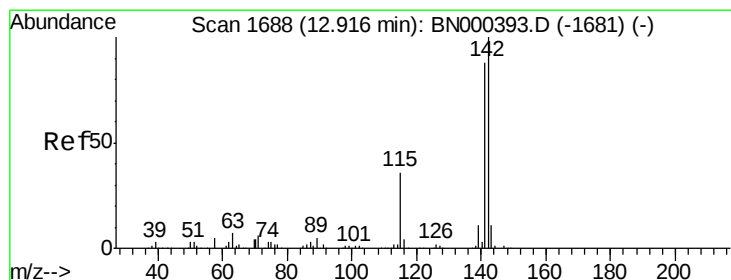
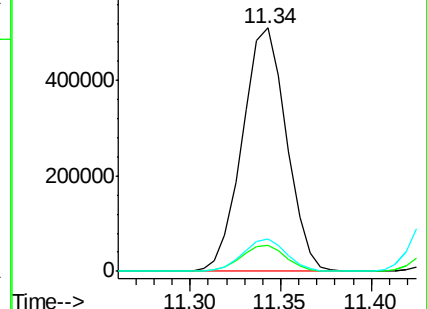
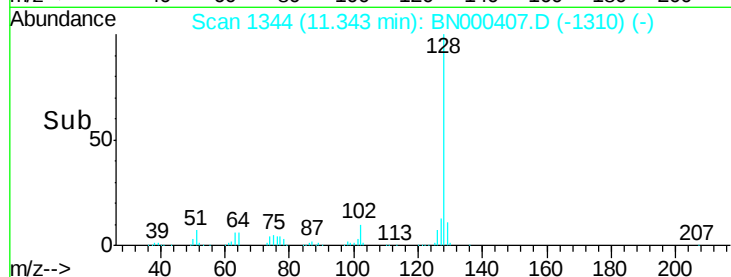
127 13.1 10.6 16.0



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: 19.157 ng/ul

RT: 12.92 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BN000407.D

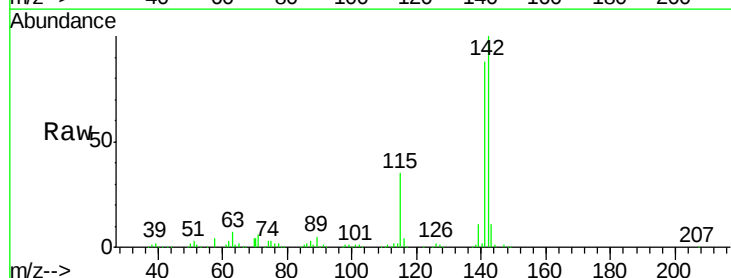
Acq: 15 Mar 2018 10:13

Tgt Ion:142 Resp: 602907

Ion Ratio Lower Upper

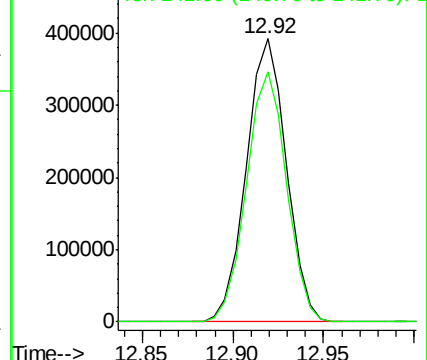
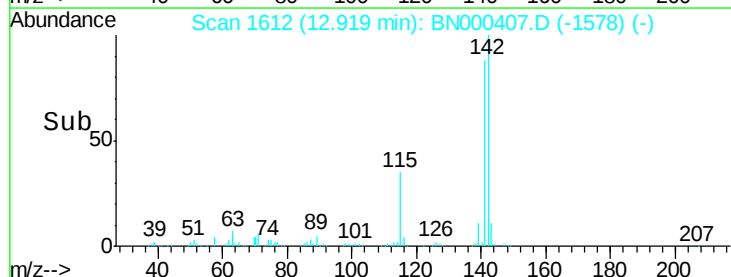
142 100

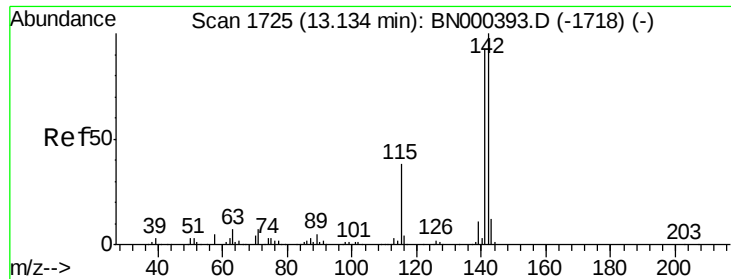
141 88.3 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.046 ng/ul

RT: 13.14 min Scan# 1649

Delta R.T. 0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

Instrument :

BNA_N

ClientSampleId :

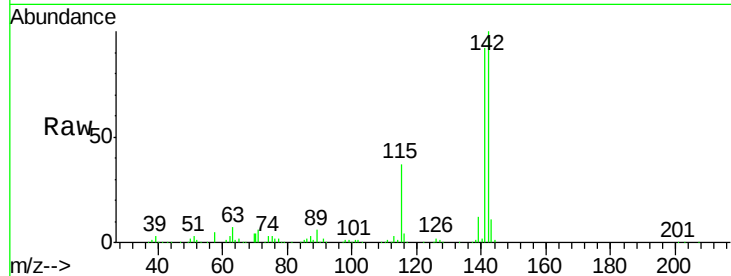
Tot Ion:142 Resp: 601565

Ion Ratio Lower Upper

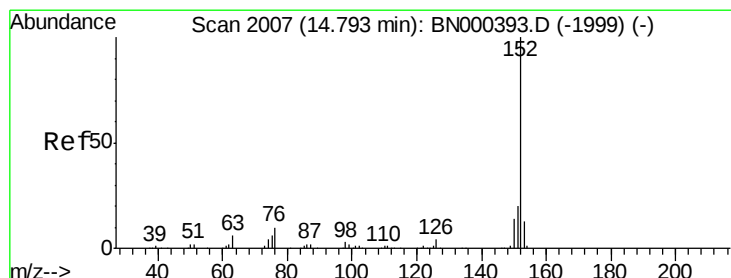
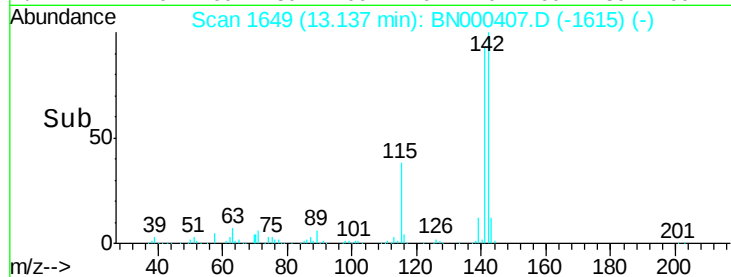
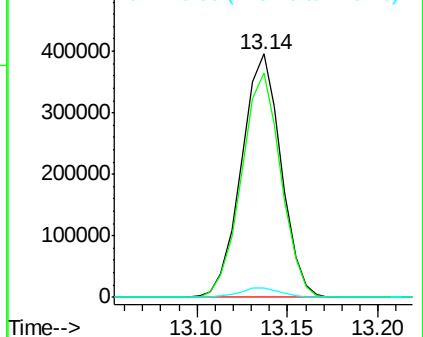
142 100

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: 20.001 ng/ul

RT: 14.79 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

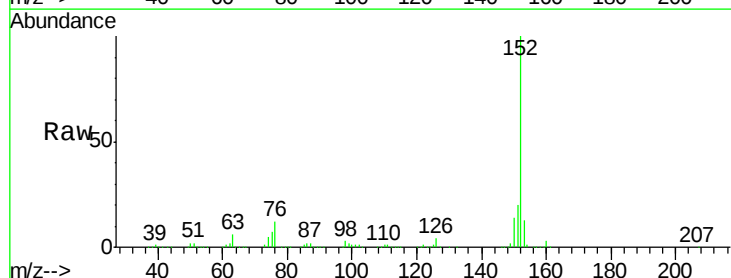
Tgt Ion:152 Resp: 962360

Ion Ratio Lower Upper

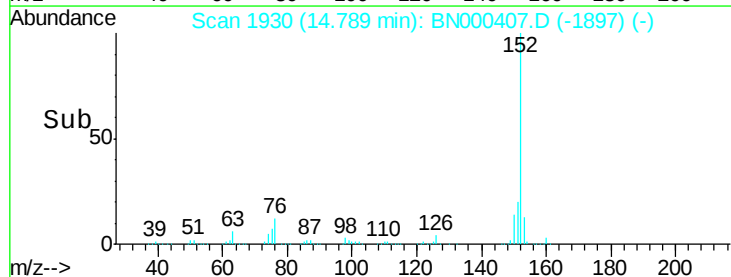
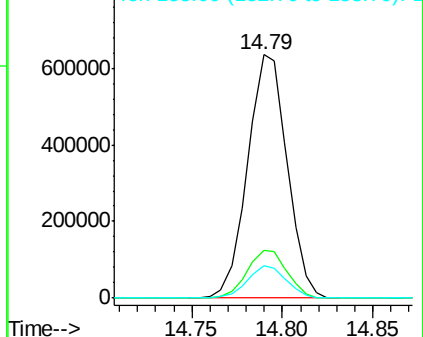
152 100

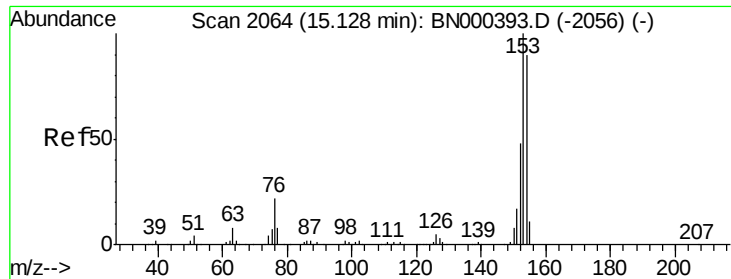
151 19.5 16.7 25.1

153 13.2 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: 19.441 ng/ul

RT: 15.12 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

Instrument :

BNA_N

ClientSampled :

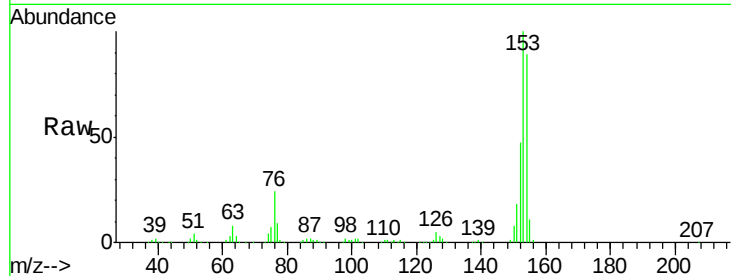
Tot Ion:153 Resp: 651059

Ion Ratio Lower Upper

153 100

152 47.3 39.0 58.6

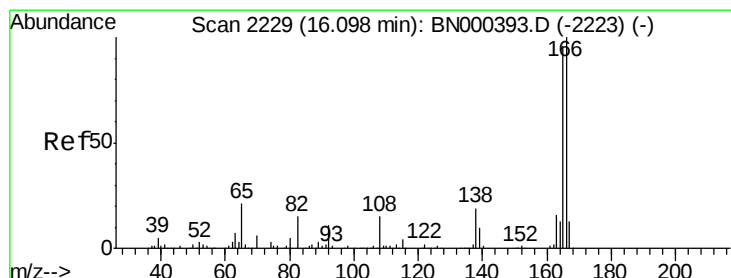
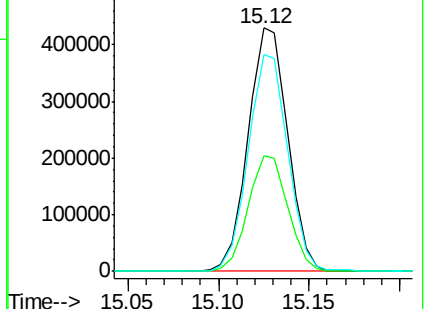
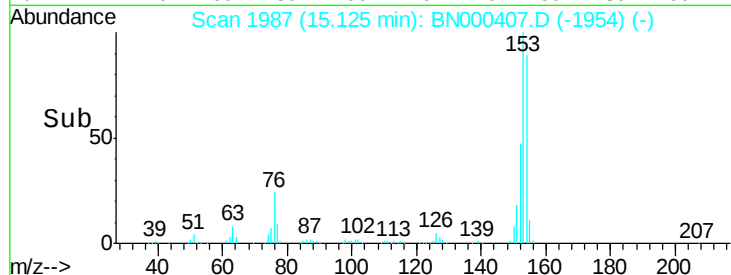
154 89.2 66.8 100.2



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: 19.979 ng/ul

RT: 16.10 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

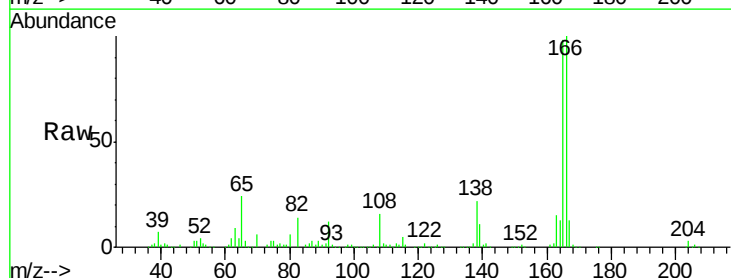
Tgt Ion:166 Resp: 737921

Ion Ratio Lower Upper

166 100

165 97.9 83.8 125.8

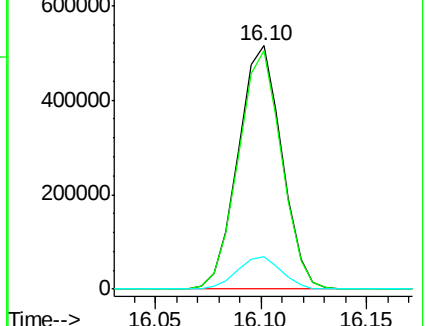
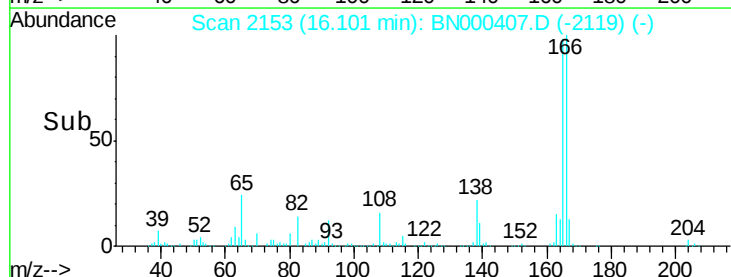
167 13.3 11.5 17.3

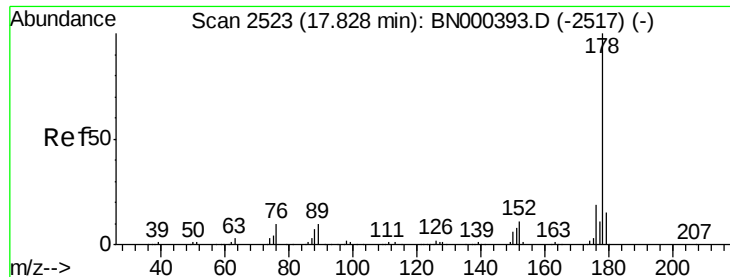


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.272 ng/ul

RT: 17.83 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

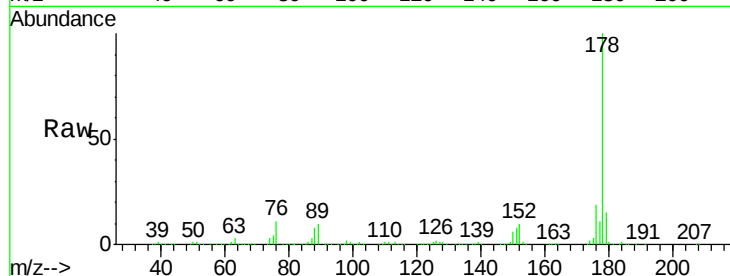
Instrument :

BNA_N

ClientSampled :

Tot Ion:178 Resp: 1200287

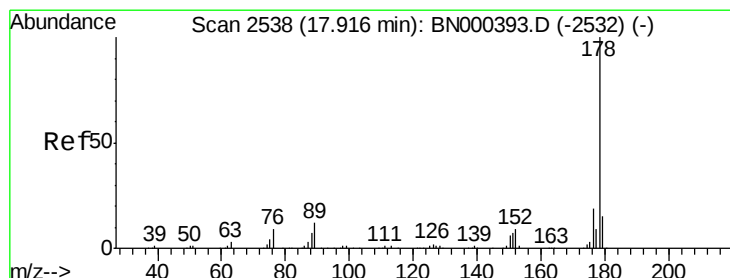
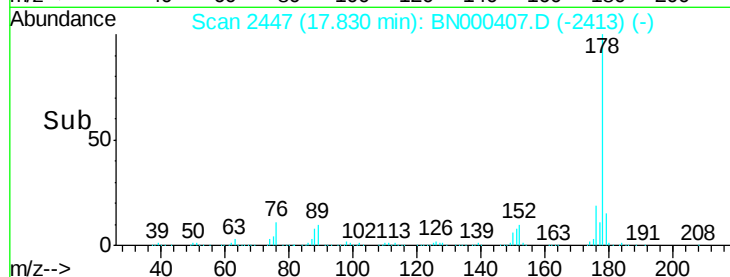
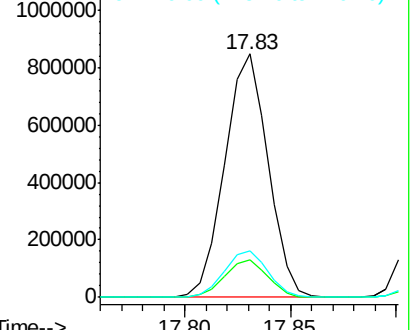
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.1	15.1	22.7



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: 19.691 ng/ul

RT: 17.92 min Scan# 2462

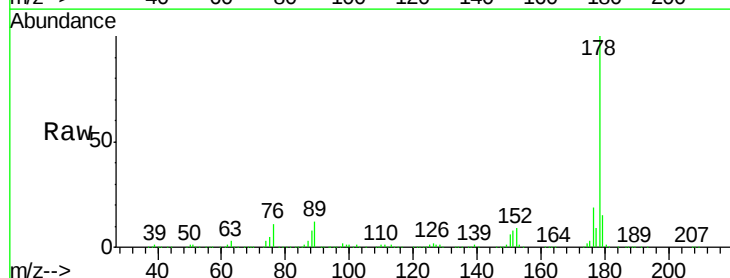
Delta R.T. 0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

Tgt Ion:178 Resp: 1244345

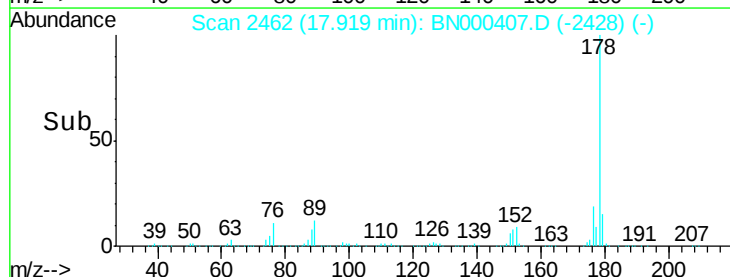
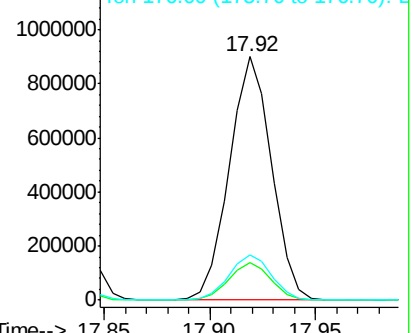
Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.8
176	18.7	15.2	22.8

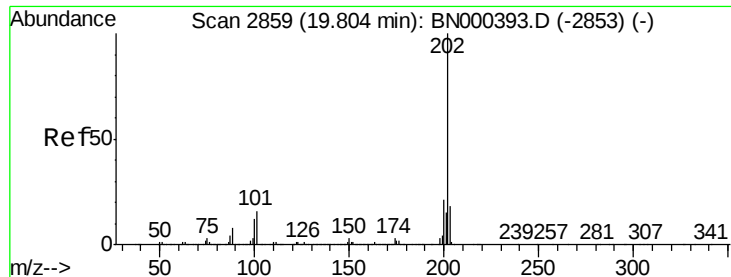


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

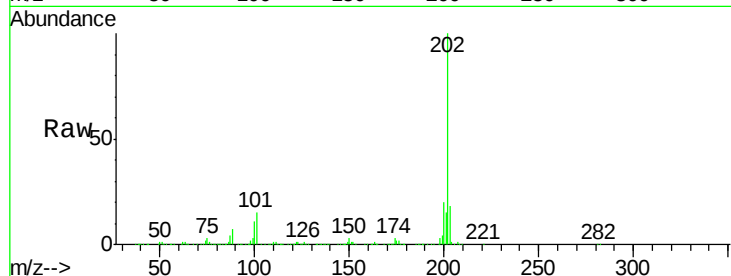




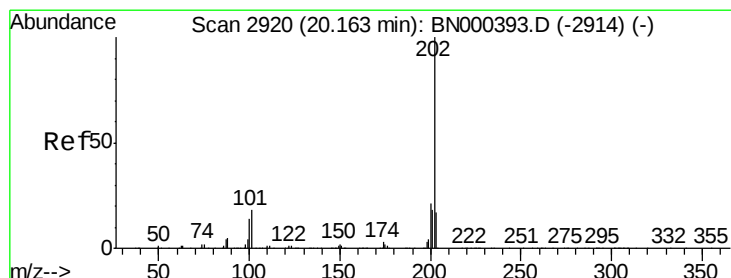
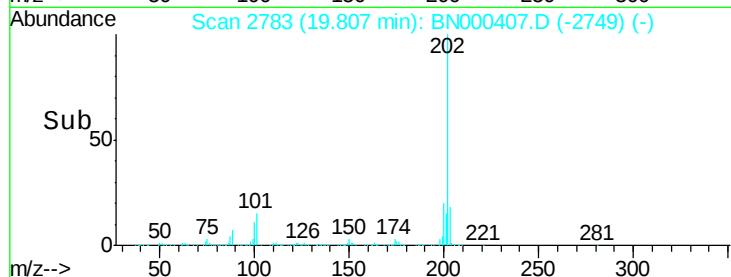
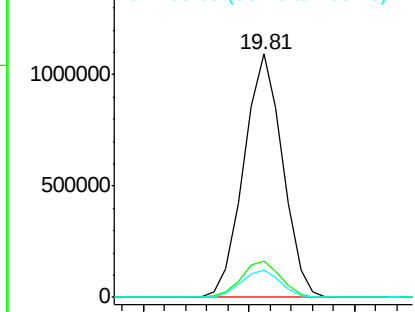
#16
 Fluoranthene
 Concen: 20.703 ng/ul
 RT: 19.81 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: BN000407.D
 Acq: 15 Mar 2018 10:13

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 1393119
 Ion Ratio Lower Upper
 202 100
 101 14.8 9.9 14.9
 100 11.5 7.4 11.0#

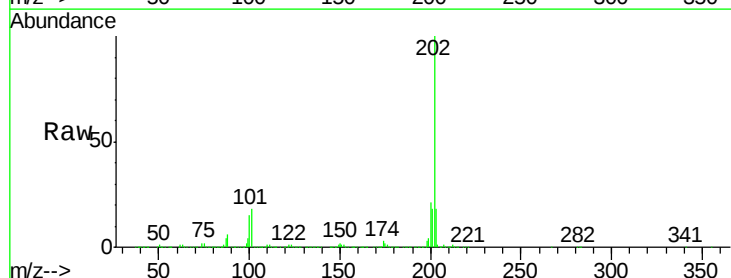


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

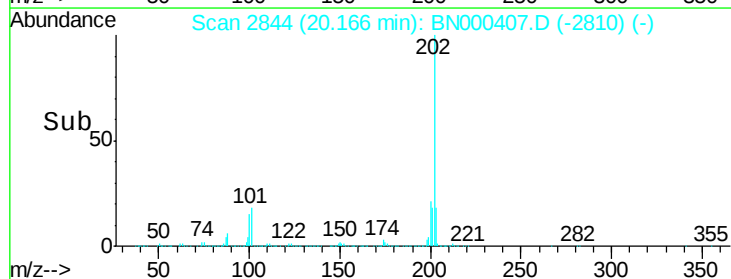
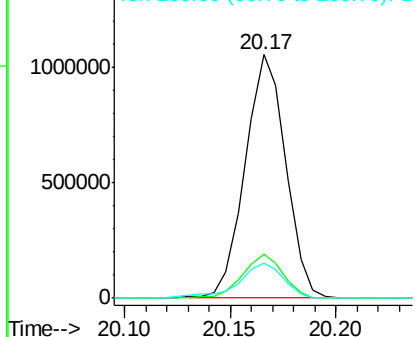


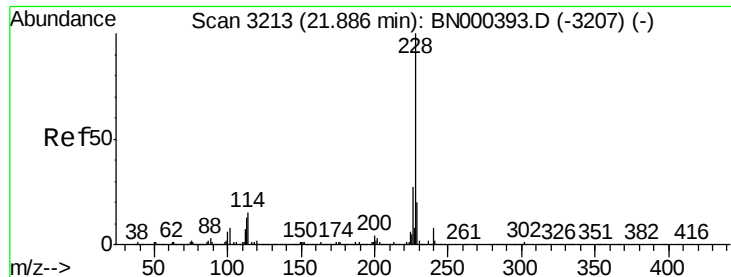
#19
 Pyrene
 Concen: 22.195 ng/ul
 RT: 20.17 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: BN000407.D
 Acq: 15 Mar 2018 10:13

Tgt Ion:202 Resp: 1402669
 Ion Ratio Lower Upper
 202 100
 101 18.1 11.0 16.4#
 100 14.6 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: 20.216 ng/ul

RT: 21.89 min Scan# 3137

Delta R.T. 0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

Instrument :

BNA_N

ClientSampleId :

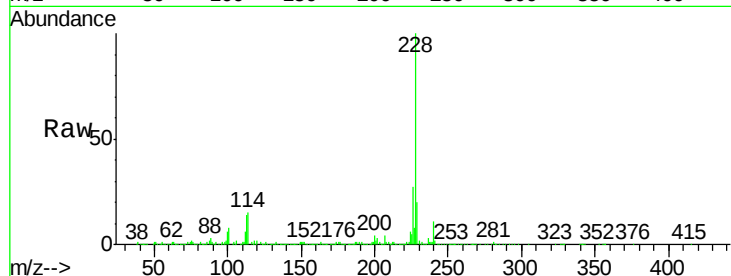
Tot Ion:228 Resp: 1257988

Ion Ratio Lower Upper

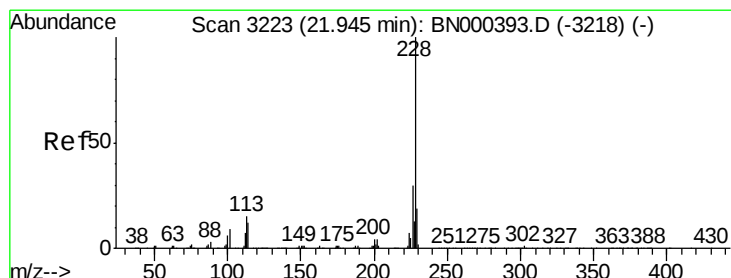
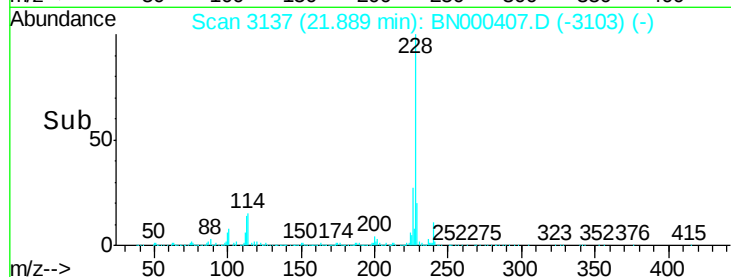
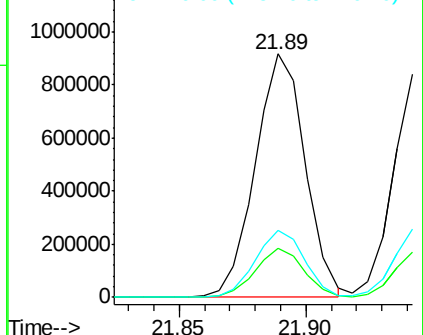
228 100

229 20.1 15.7 23.5

226 27.4 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: 19.745 ng/ul

RT: 21.94 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

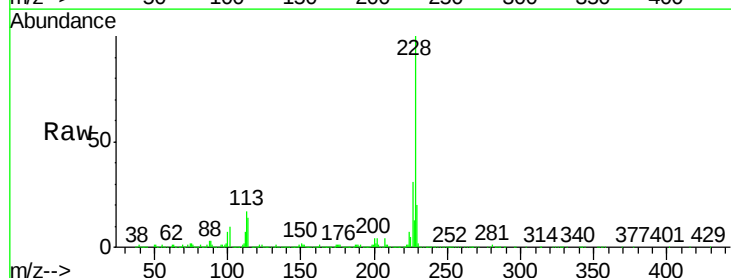
Tgt Ion:228 Resp: 1166002

Ion Ratio Lower Upper

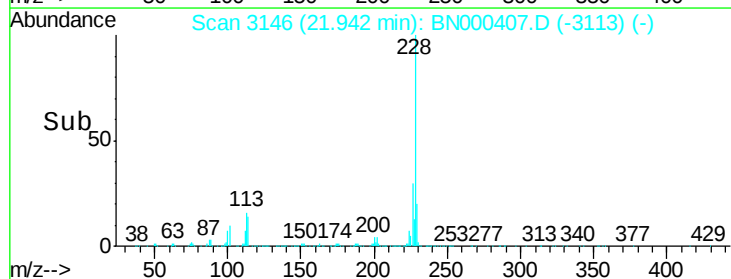
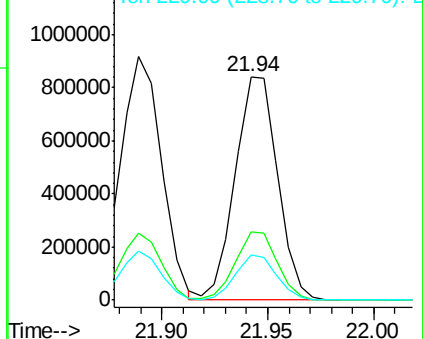
228 100

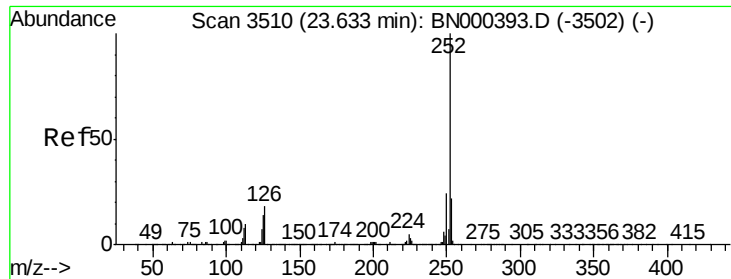
226 30.5 24.5 36.7

229 20.2 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: 20.315 ng/ul

RT: 23.64 min Scan# 3434

Delta R.T. 0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

Instrument :

BNA_N

ClientSampleId :

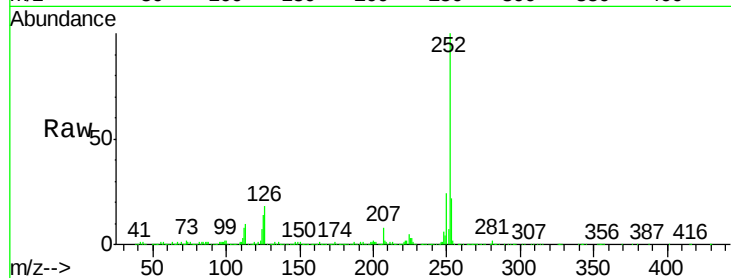
Tot Ion:252 Resp: 1134851

Ion Ratio Lower Upper

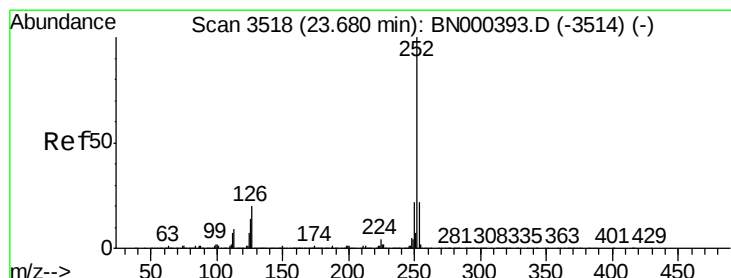
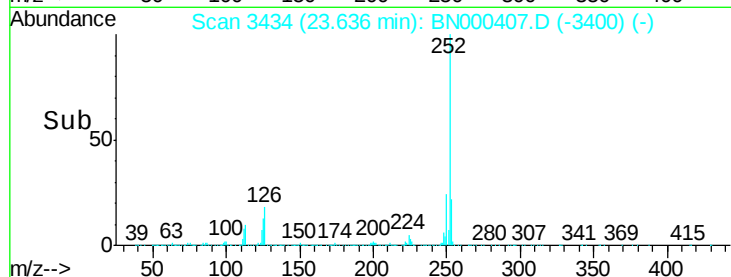
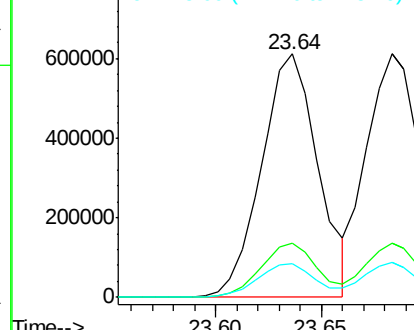
252 100

253 22.5 18.0 27.0

125 13.6 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: 20.483 ng/ul

RT: 23.68 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

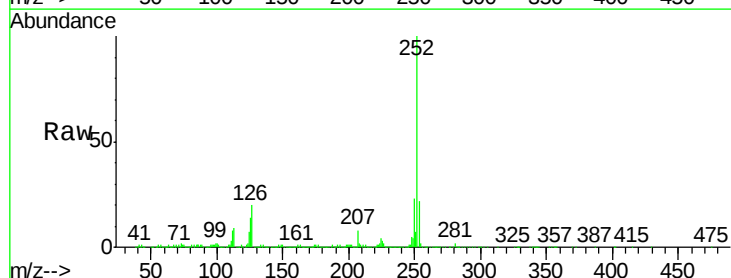
Tgt Ion:252 Resp: 1071101

Ion Ratio Lower Upper

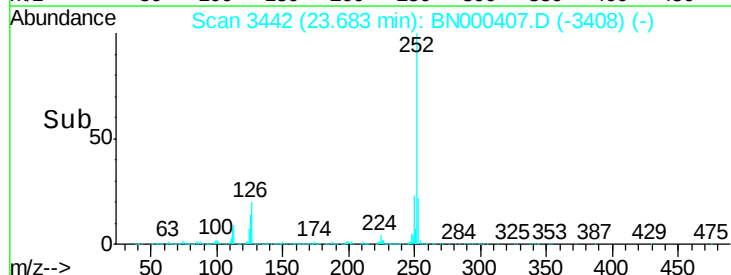
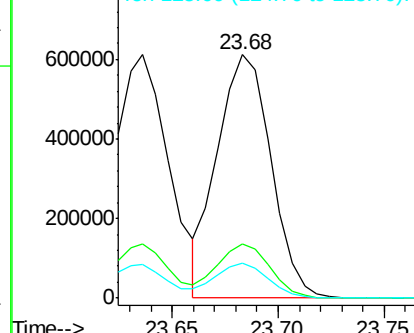
252 100

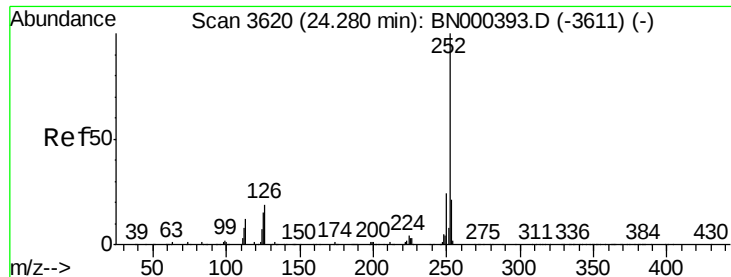
253 22.1 18.0 27.0

125 14.3 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

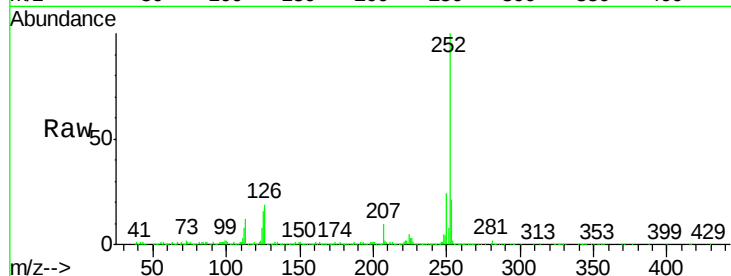




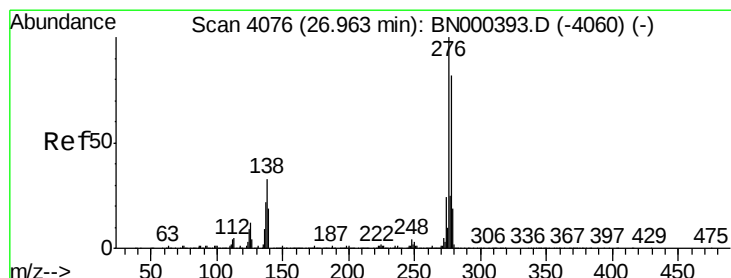
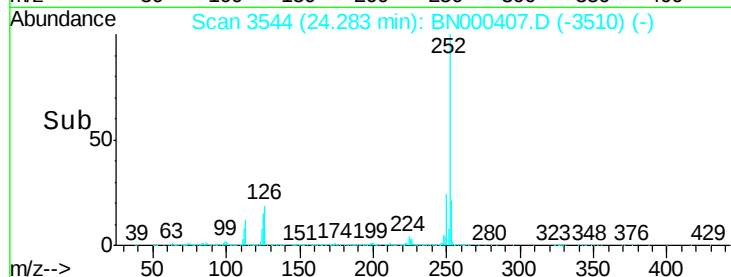
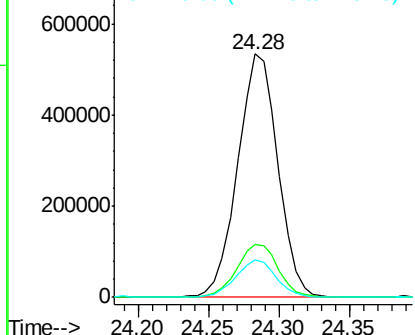
#26
Benzo(a)pyrene
Concen: 19.801 ng/ul
RT: 24.28 min Scan# 3544
Delta R.T. 0.00 min
Lab File: BN000407.D
Acq: 15 Mar 2018 10:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 1052800
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 15.6 8.2 12.4#

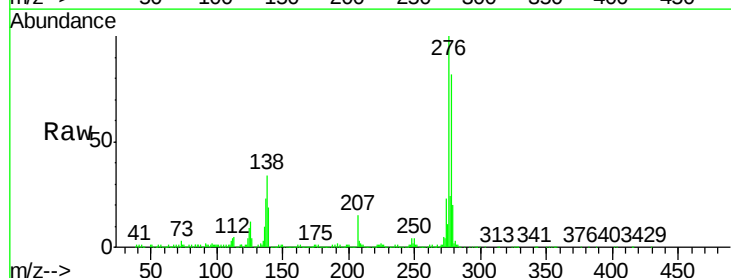


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

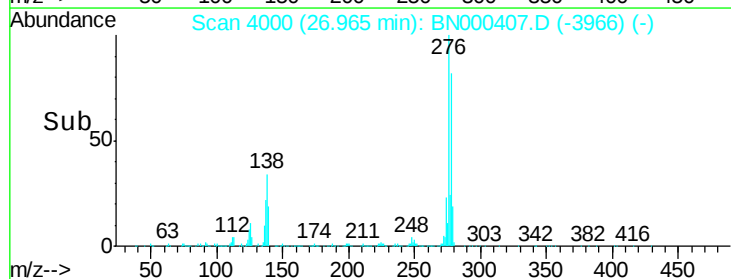
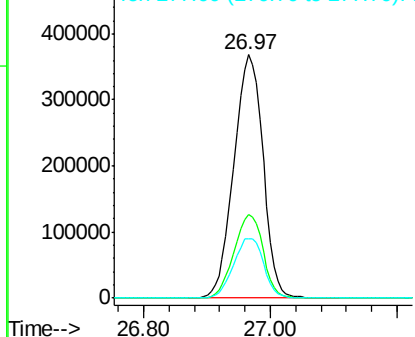


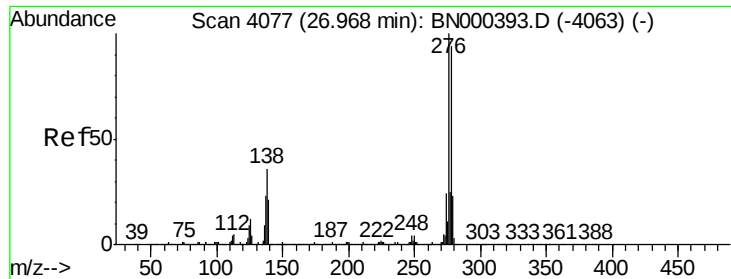
#27
Indeno(1,2,3-cd)pyrene
Concen: 20.461 ng/ul
RT: 26.97 min Scan# 4000
Delta R.T. 0.00 min
Lab File: BN000407.D
Acq: 15 Mar 2018 10:13

Tgt Ion:276 Resp: 1172937
Ion Ratio Lower Upper
276 100
138 34.4 14.4 21.6#
277 24.3 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: 20.851 ng/ul

RT: 26.98 min Scan# 4002

Delta R.T. 0.01 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

Instrument :

BNA_N

ClientSampleId :

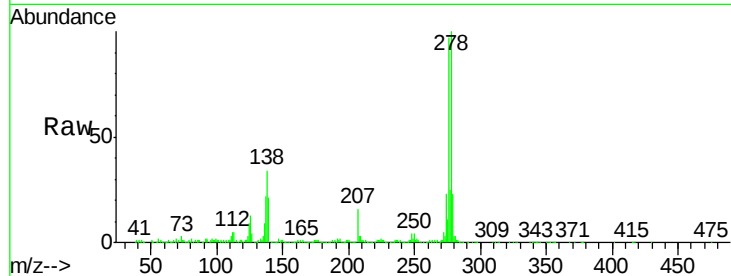
Tot Ion:278 Resp: 979747

Ion Ratio Lower Upper

278 100

139 21.4 12.2 18.4#

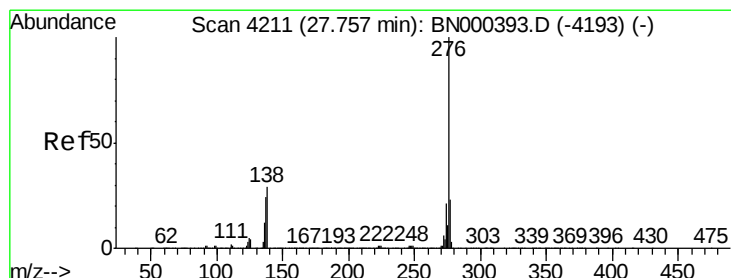
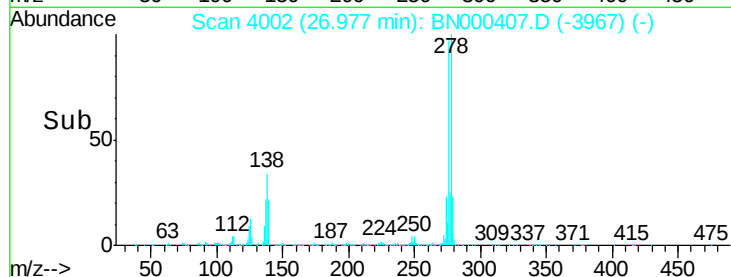
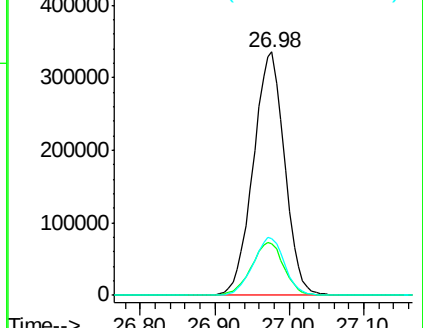
279 23.5 19.2 28.8



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: 20.271 ng/ul

RT: 27.76 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BN000407.D

Acq: 15 Mar 2018 10:13

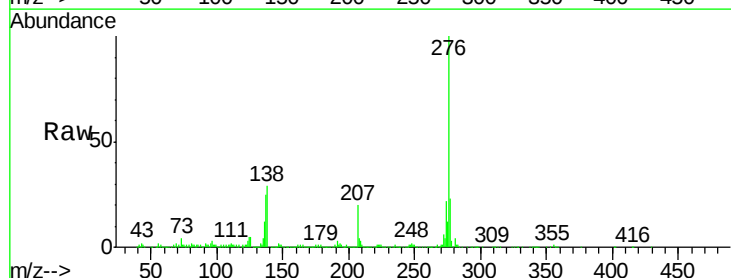
Tgt Ion:276 Resp: 970307

Ion Ratio Lower Upper

276 100

138 29.0 15.3 22.9#

277 23.3 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

