

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004844.D
 Acq On : 21 Mar 2019 11:43
 Operator : JU/SJ
 Sample : K1842-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C-MW-06_030719

Quant Time: Mar 22 02:00:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	2320	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	10515	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	6979	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	17958	0.40	ng	0.00
27) Chrysene-d12	21.29	240	25269	0.40	ng	0.00
34) Perylene-d12	23.54	264	28547	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	1029	0.16	ng	0.00
5) Phenol-d6	6.88	99	842	0.11	ng	0.00
8) Nitrobenzene-d5	8.87	82	2275	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	6846	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1665	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	11238	0.39	ng	0.00
25) Fluoranthene-d10	19.13	212	25437	0.42	ng	0.00
29) Terphenyl-d14	19.72	244	27681	0.54	ng	0.00

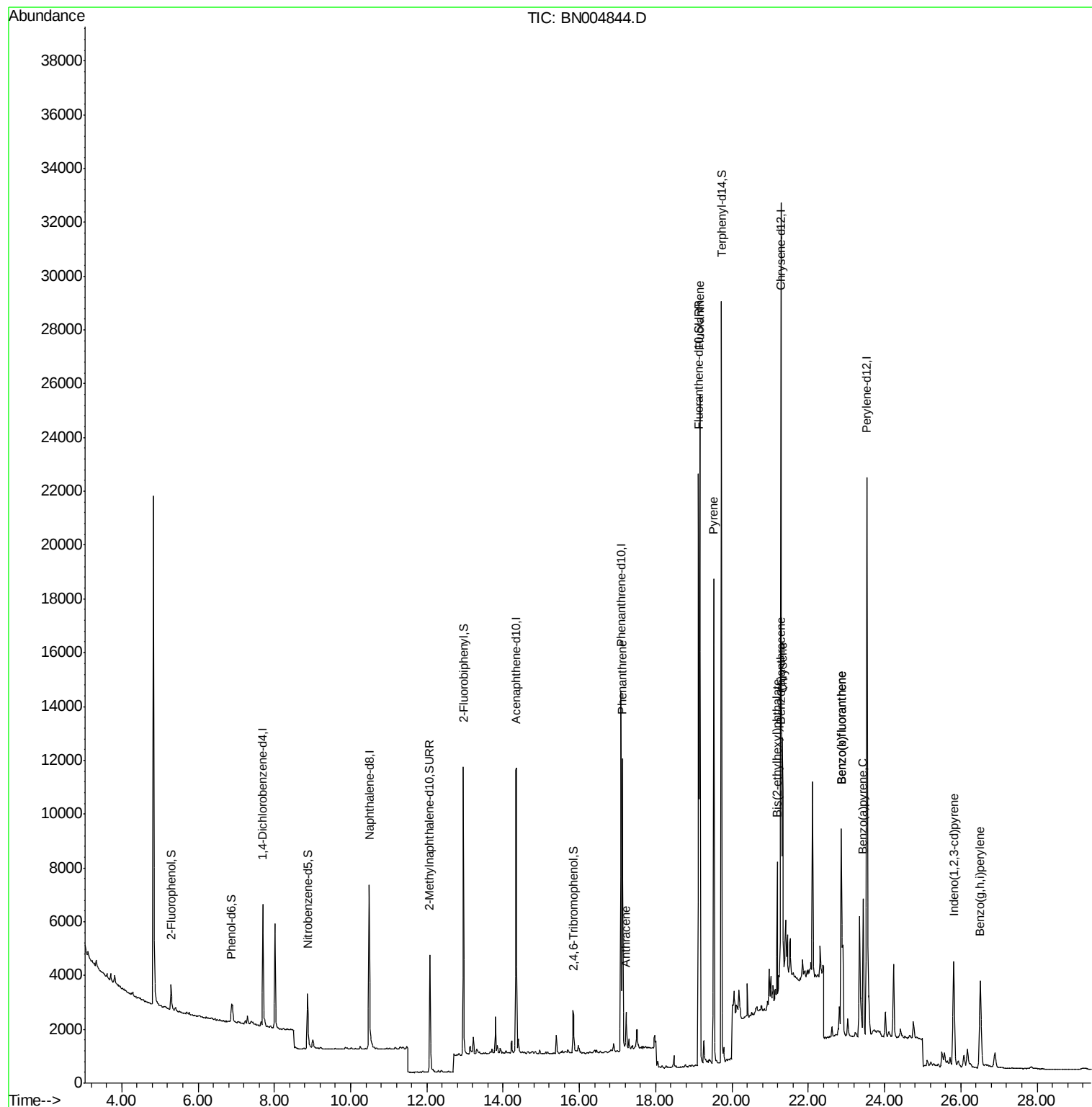
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.13	178	10863	0.187	ng	99
24) Anthracene	17.23	178	1445	0.028	ng	# 94
26) Fluoranthene	19.16	202	22930	0.308	ng	100
28) Pyrene	19.52	202	17312	0.225	ng	# 95
30) Benzo(a)anthracene	21.27	228	6208	0.075	ng	94
31) Chrysene	21.32	228	8698	0.100	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	4220	0.127	ng	98
33) Indeno(1,2,3-cd)pyrene	25.81	276	6592	0.052	ng	96
35) Benzo(b)fluoranthene	22.86	252	12068	0.117	ng	# 88
36) Benzo(k)fluoranthene	22.86	252	12068	0.119	ng	# 89
37) Benzo(a)pyrene	23.44	252	7078	0.075	ng	# 85
39) Benzo(a,h,i)perylene	26.51	276	7101	0.064	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

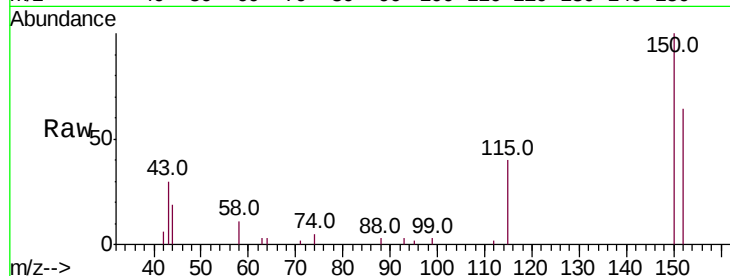
Tot Ion:152 Resp: 2320

Ion Ratio Lower Upper

152 100

150 155.1 126.2 189.4

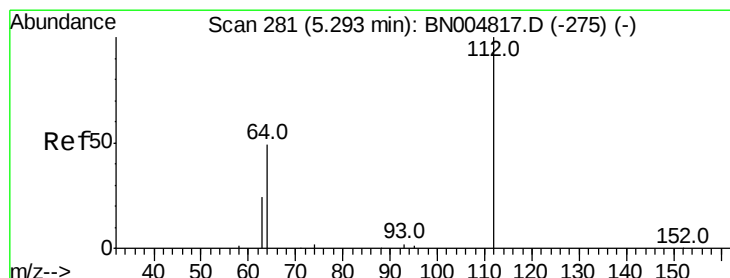
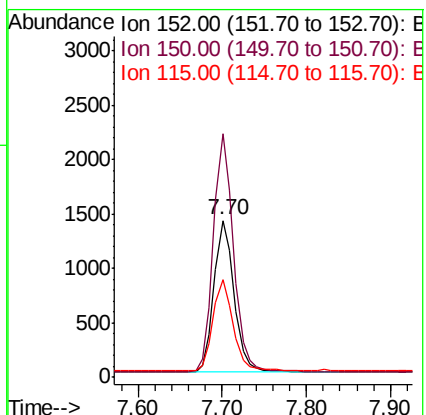
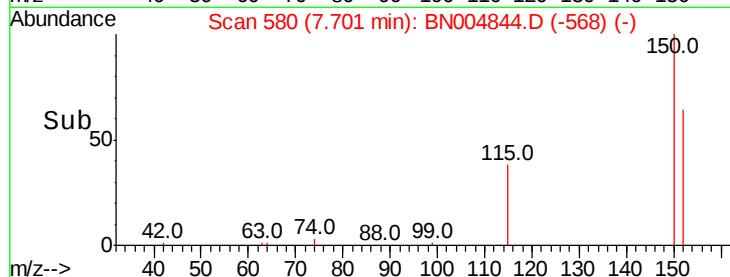
115 61.9 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.163 ng

RT: 5.29 min Scan# 281

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

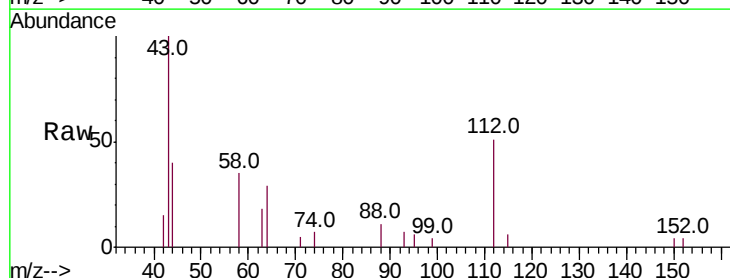
Tgt Ion:112 Resp: 1029

Ion Ratio Lower Upper

112 100

64 49.9 40.0 60.0

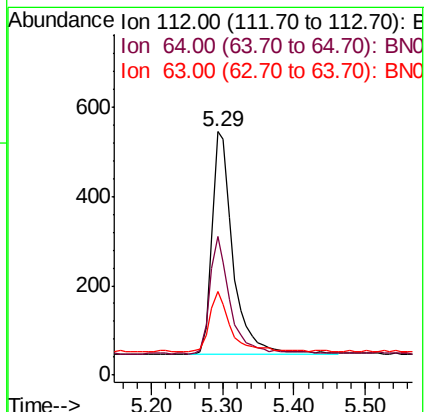
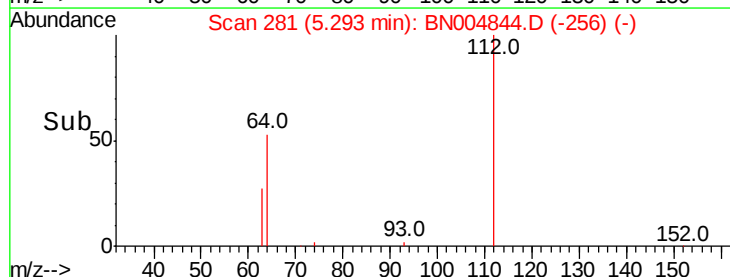
63 26.7 20.2 30.2

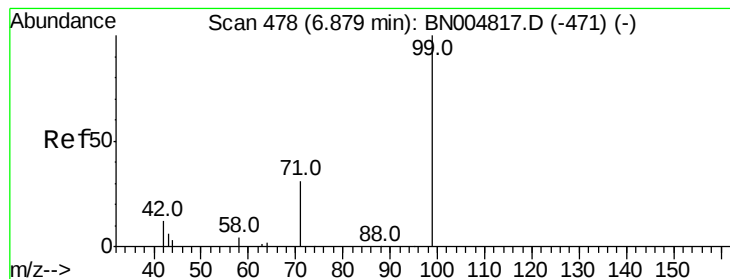


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.107 ng

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

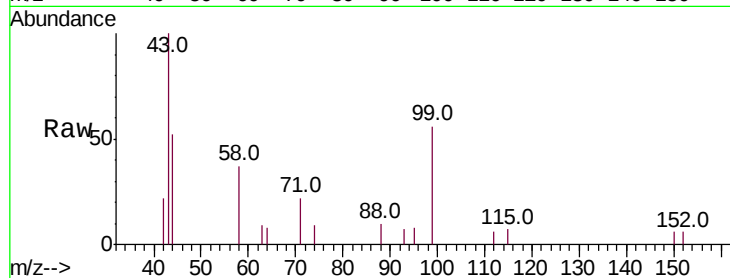
Tot Ion: 99 Resp: 842

Ion Ratio Lower Upper

99 100

42 15.4 12.7 19.1

71 36.3 26.6 40.0

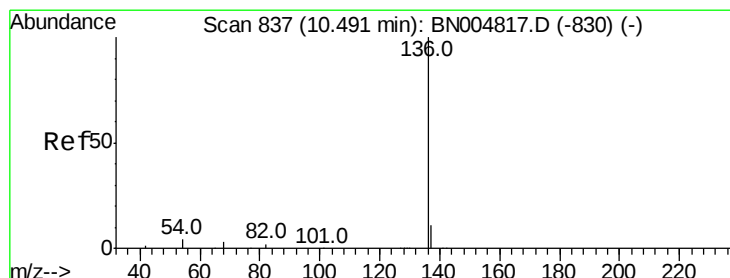
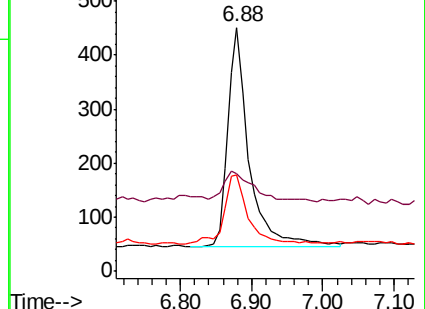
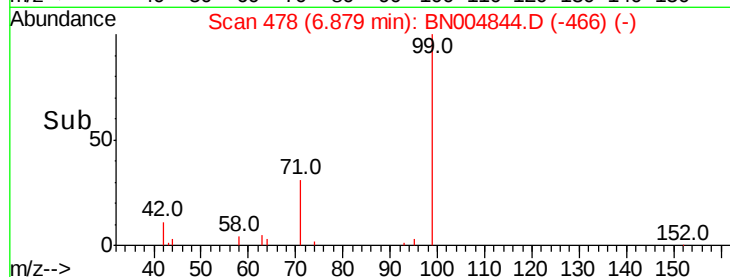


Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Tgt Ion: 136 Resp: 10515

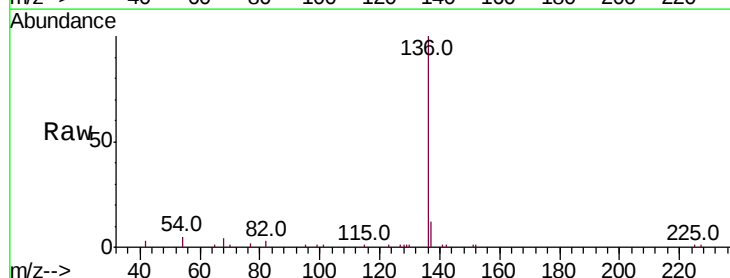
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 4.7 4.2 6.2

68 4.4 3.9 5.9



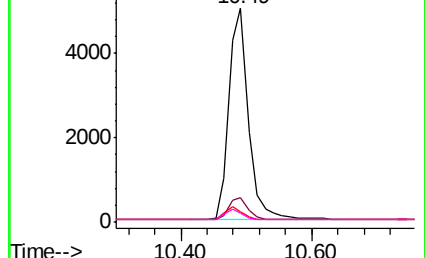
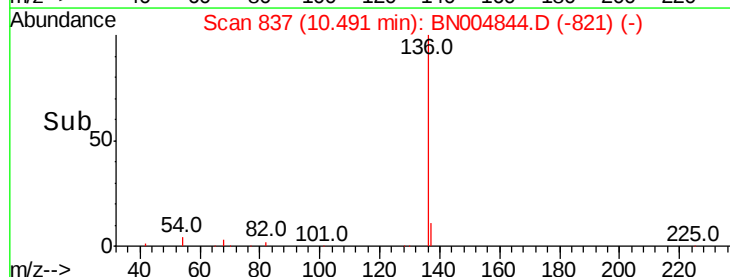
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.327 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

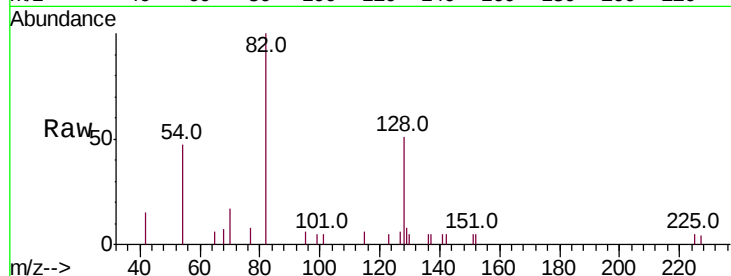
Tot Ion: 82 Resp: 2275

Ion Ratio Lower Upper

82 100

128 50.7 43.0 64.6

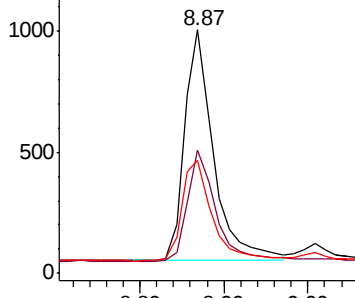
54 46.6 35.3 52.9



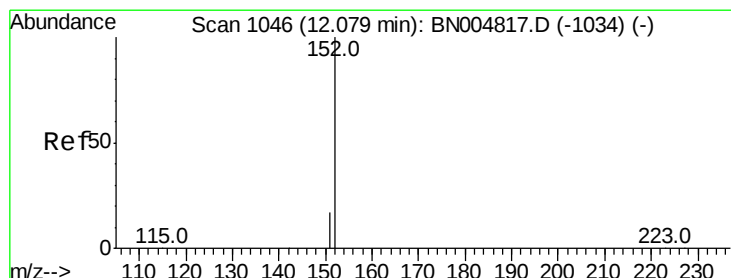
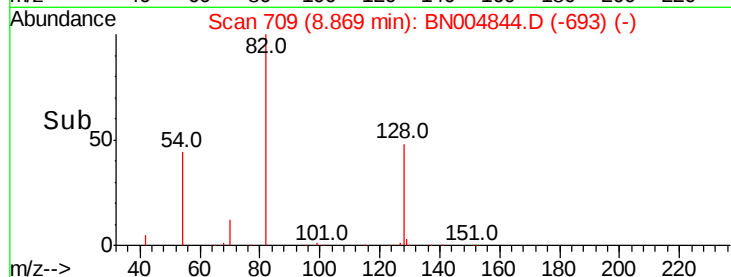
Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004844.D

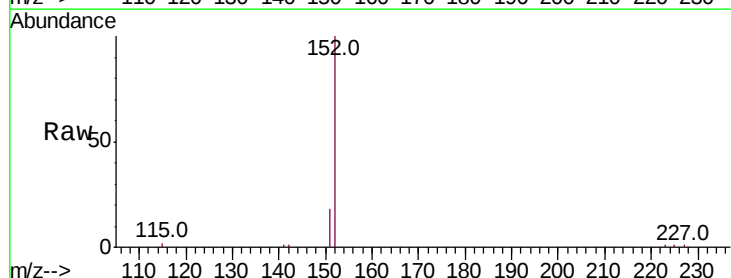
Acq: 21 Mar 2019 11:43

Tgt Ion: 152 Resp: 6846

Ion Ratio Lower Upper

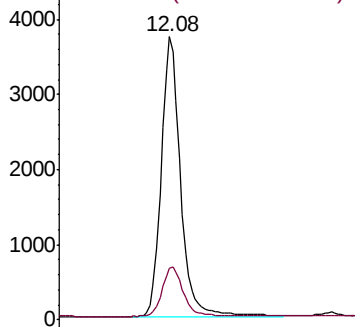
152 100

151 19.3 15.5 23.3

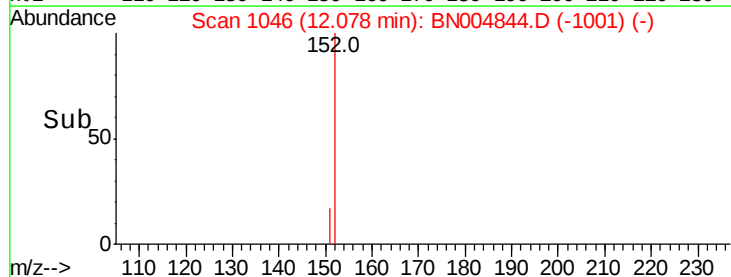


Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

Ion 151.00 (150.70 to 151.70): BN004817.D (-1034) (-)



Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

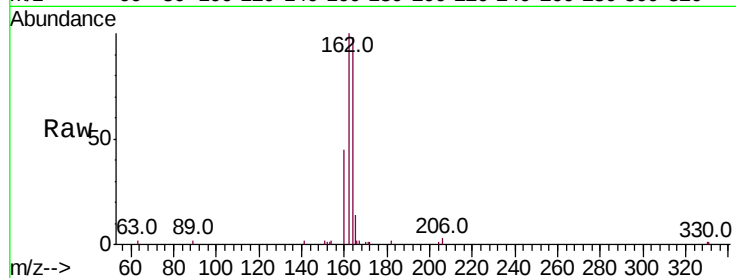
Tot Ion:164 Resp: 6979

Ion Ratio Lower Upper

164 100

162 101.8 81.9 122.9

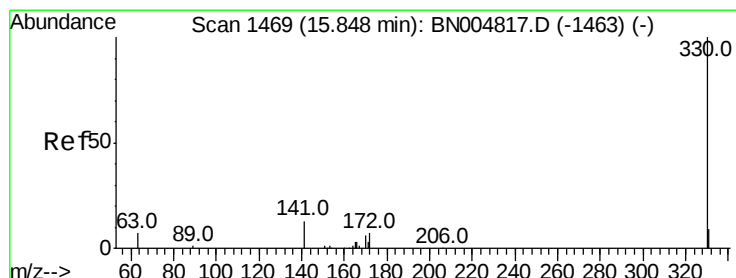
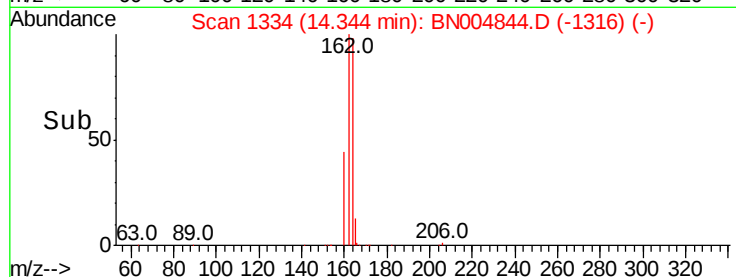
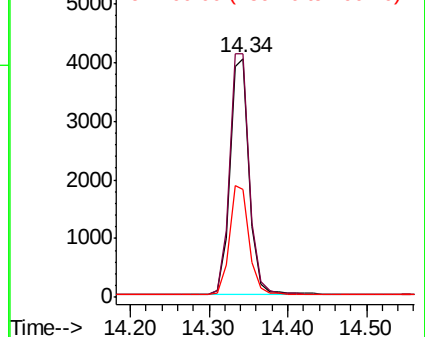
160 45.3 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.345 ng

RT: 15.85 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

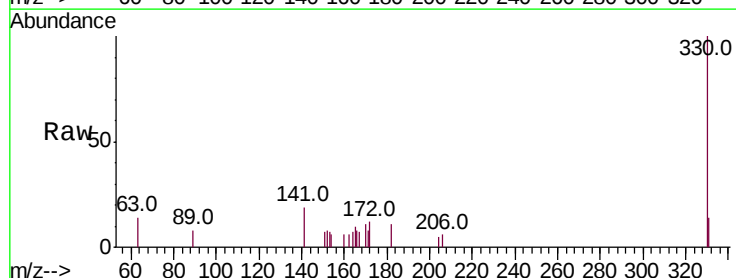
Tgt Ion:330 Resp: 1665

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

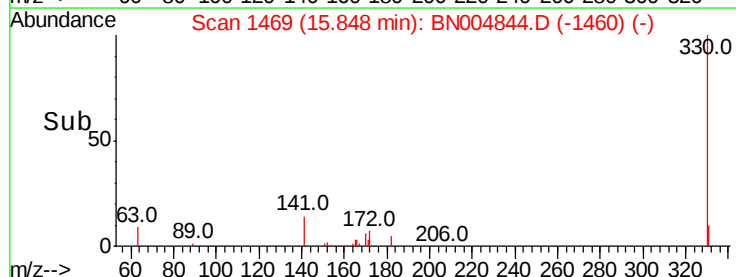
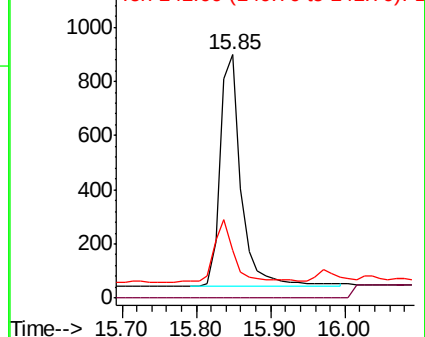
141 26.8 20.9 31.3

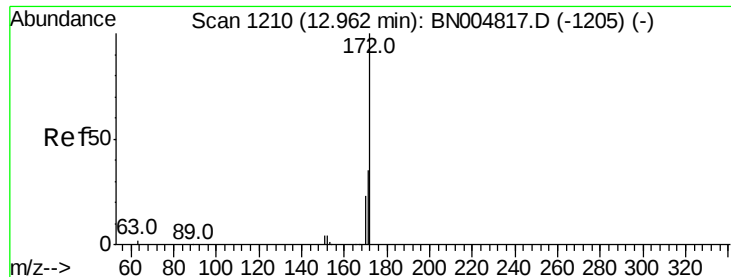


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



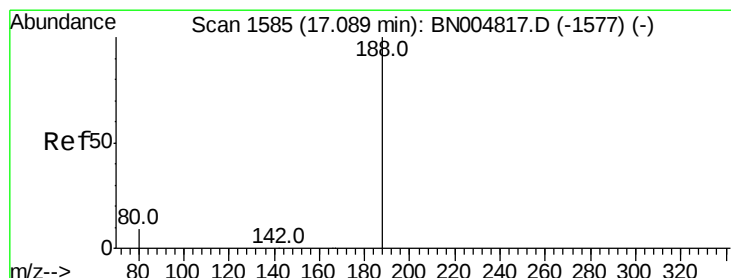
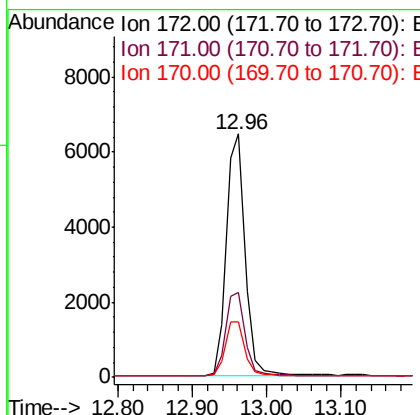
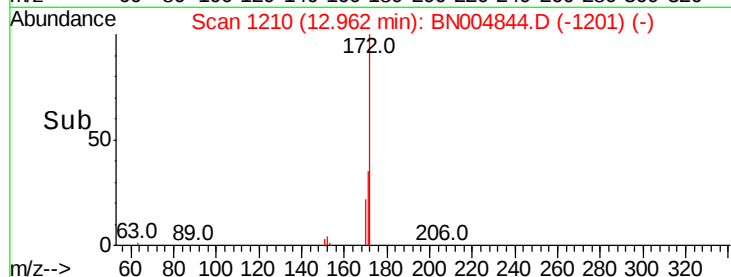
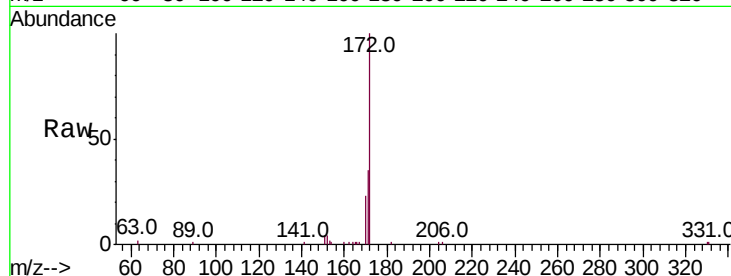


#15
 2-Fluorobiphenyl
 Concen: 0.390 ng
 RT: 12.96 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BN004844.D
 Acq: 21 Mar 2019 11:43

Instrument :
 BNA_N
 ClientSampleId :
 C-MW-06_030719

Tot Ion:172 Resp: 11238

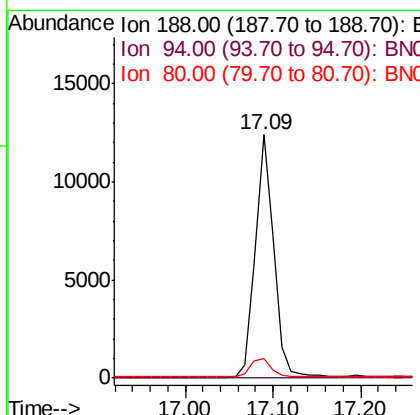
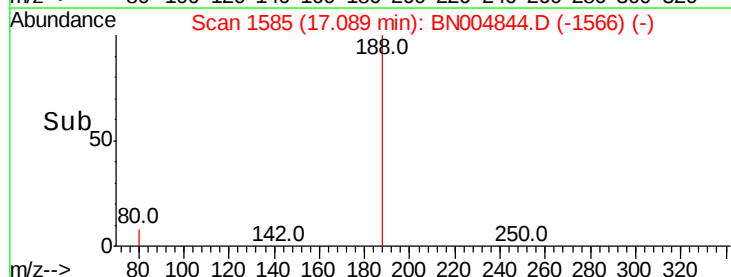
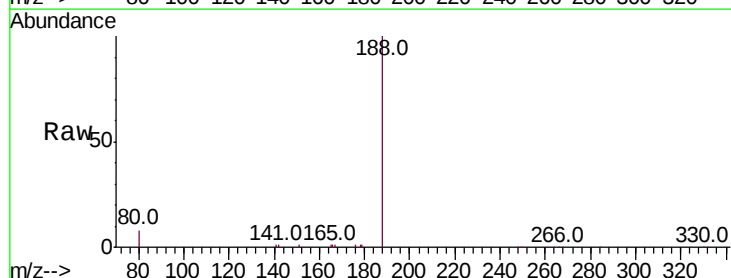
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.7	43.1
170	22.6	18.7	28.1

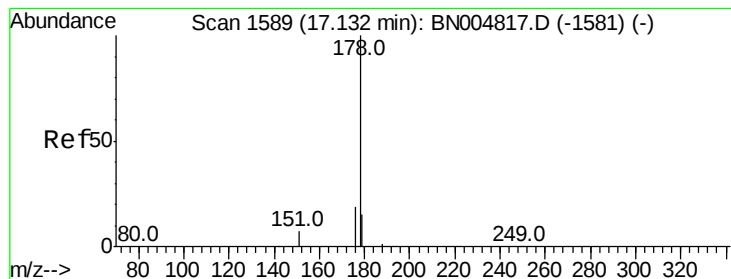


#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.09 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BN004844.D
 Acq: 21 Mar 2019 11:43

Tgt Ion:188 Resp: 17958

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	7.4	11.2





#23

Phenanthrene

Concen: 0.187 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

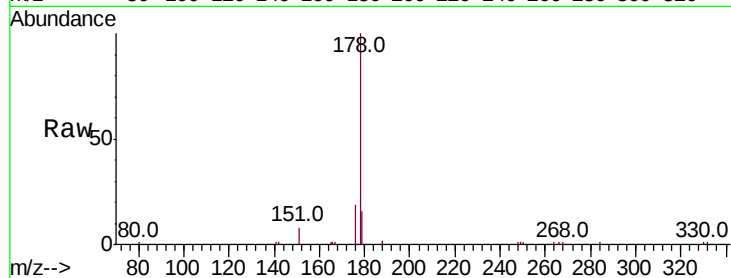
Tot Ion:178 Resp: 10863

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

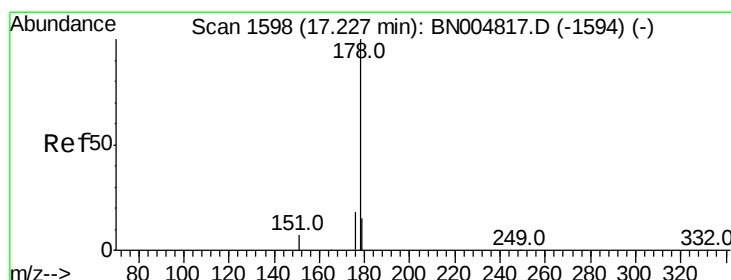
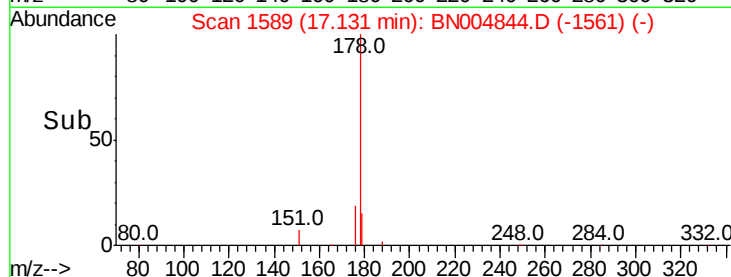
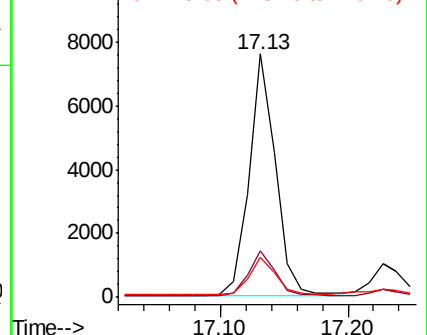
179 16.1 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.028 ng

RT: 17.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

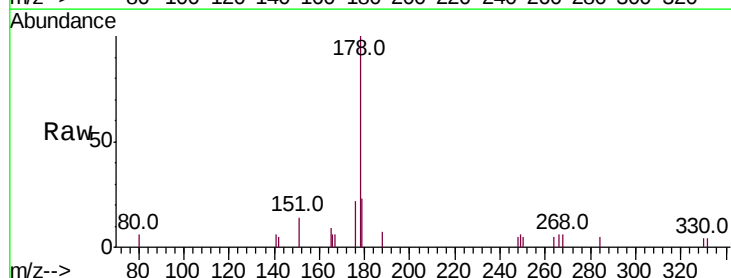
Tgt Ion:178 Resp: 1445

Ion Ratio Lower Upper

178 100

176 18.2 14.5 21.7

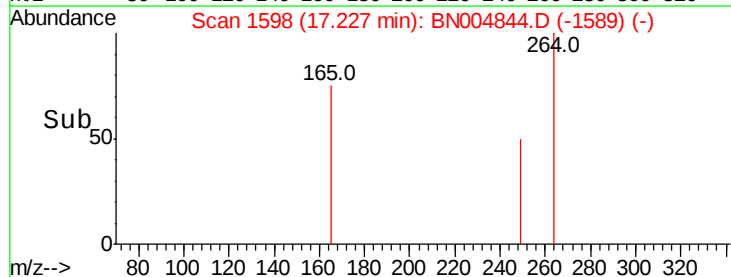
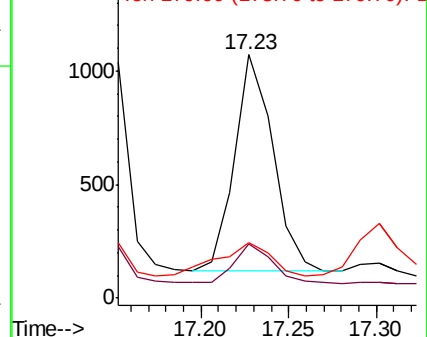
179 20.8 12.2 18.4#

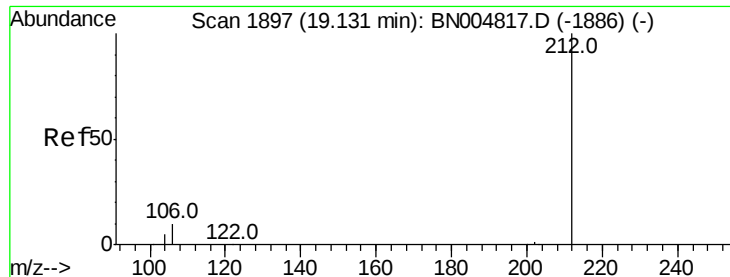


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.423 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

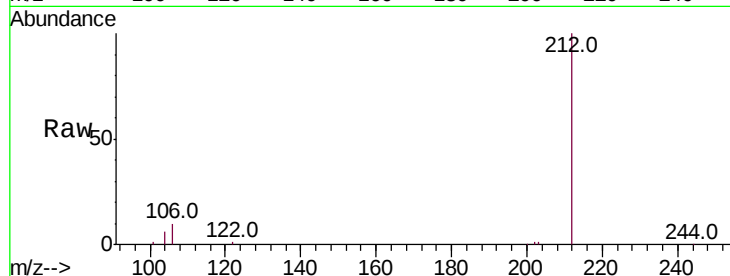
Tot Ion:212 Resp: 25437

Ion Ratio Lower Upper

212 100

106 10.9 8.6 13.0

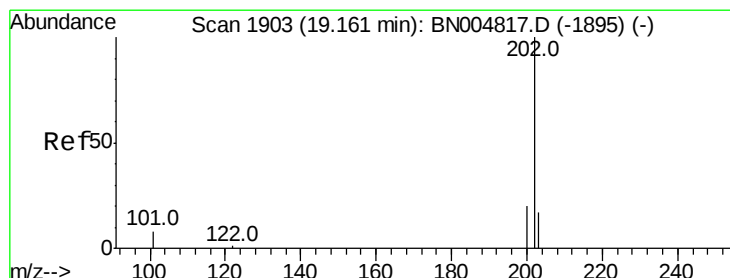
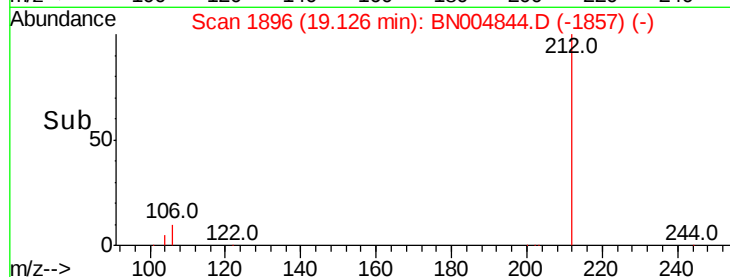
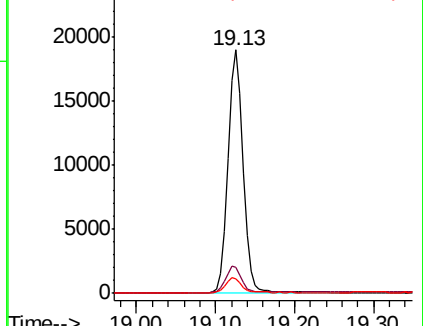
104 6.0 4.7 7.1



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.308 ng

RT: 19.16 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

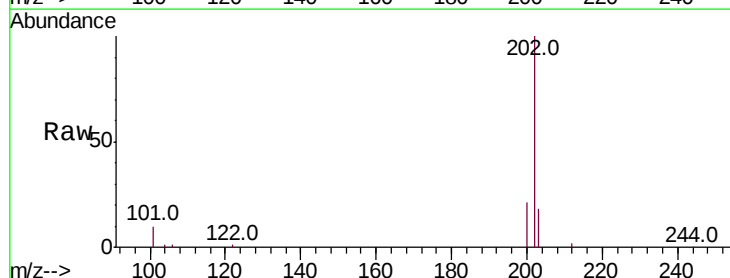
Tgt Ion:202 Resp: 22930

Ion Ratio Lower Upper

202 100

101 9.5 7.5 11.3

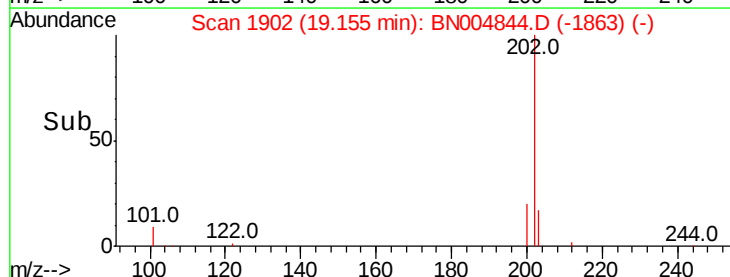
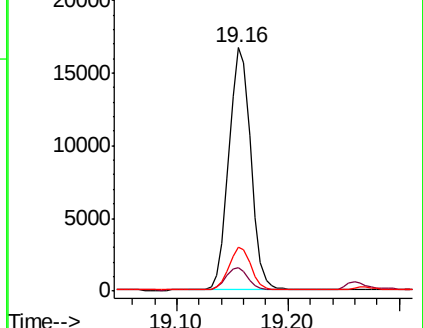
203 17.2 13.8 20.6

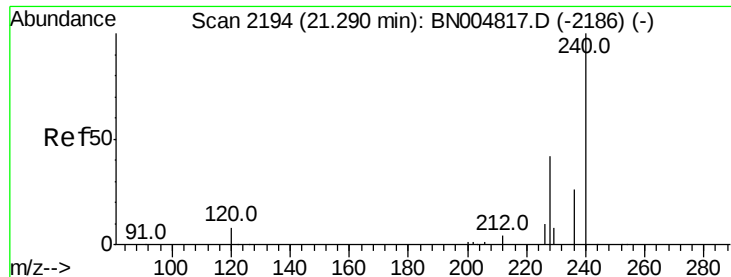


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

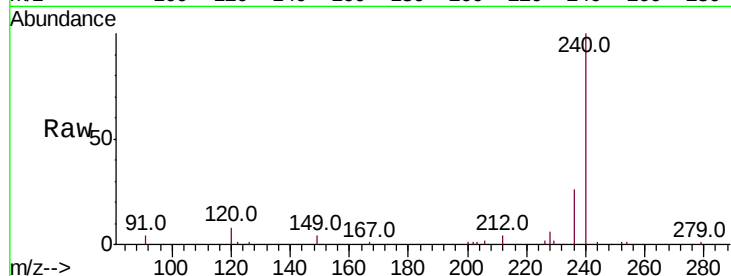
Tot Ion:240 Resp: 25269

Ion Ratio Lower Upper

240 100

120 8.0 7.2 10.8

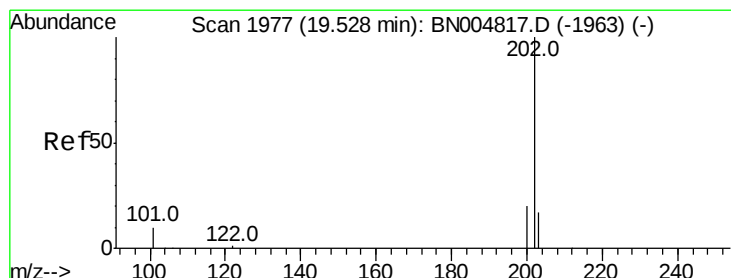
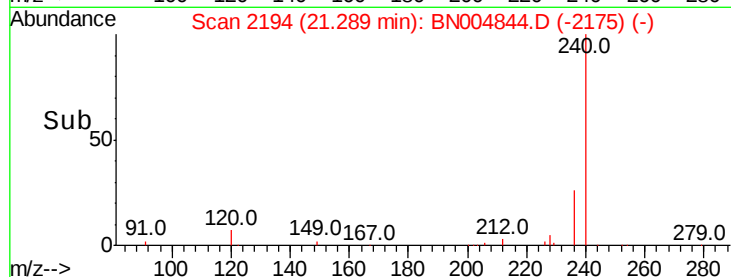
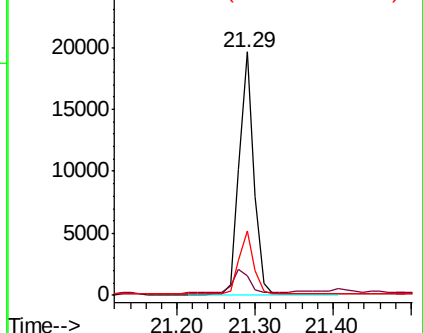
236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.225 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

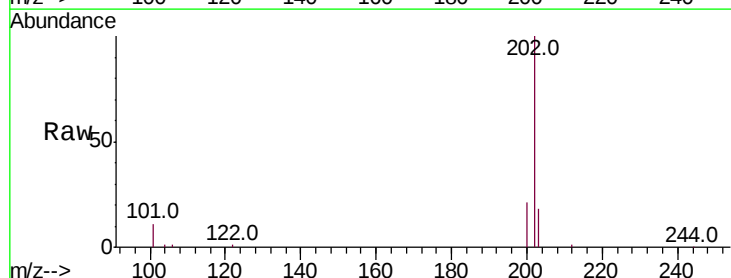
Tgt Ion:202 Resp: 17312

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

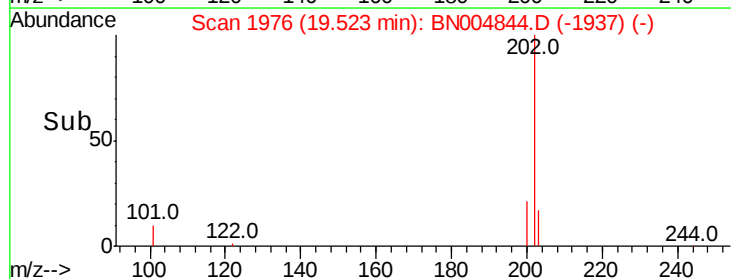
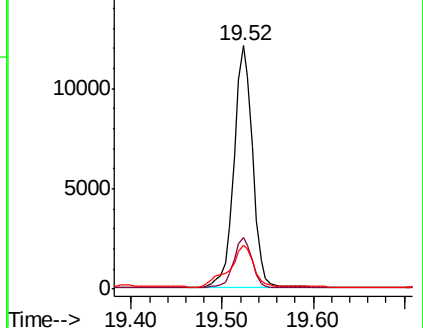
203 22.1 14.0 21.0#

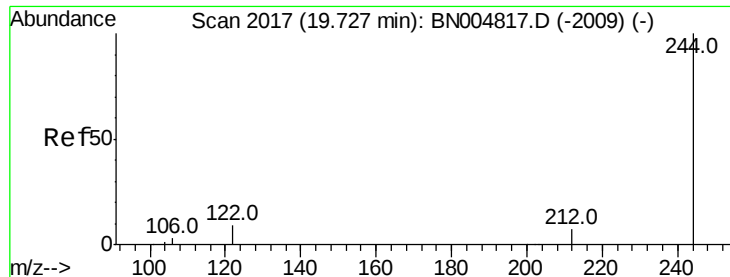


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.535 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

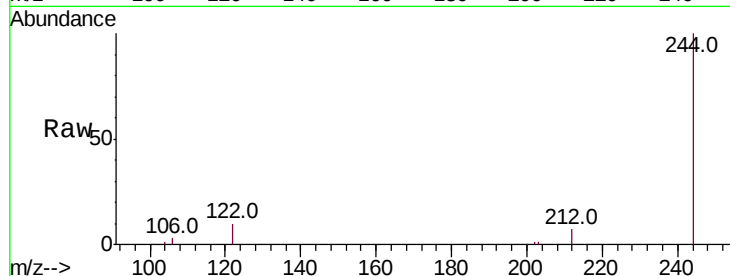
Tot Ion:244 Resp: 27681

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

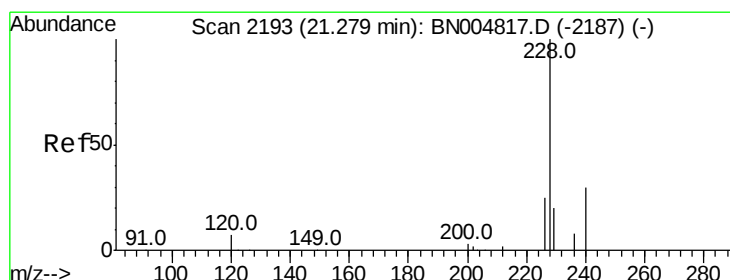
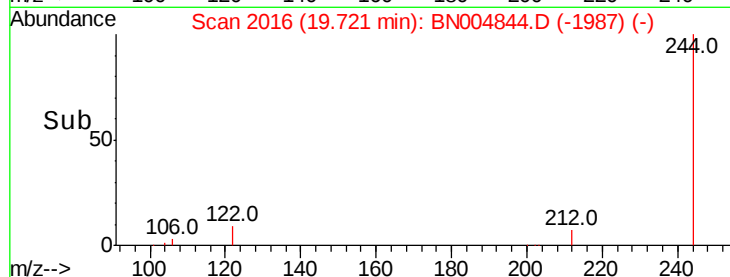
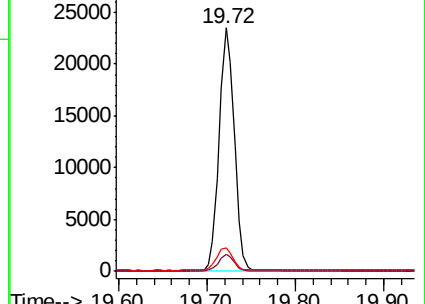
122 9.8 7.9 11.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.075 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

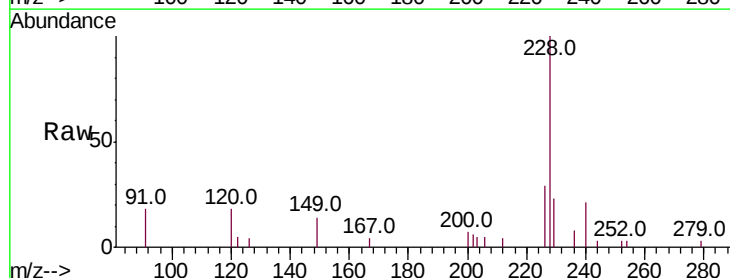
Tgt Ion:228 Resp: 6208

Ion Ratio Lower Upper

228 100

226 29.2 20.6 31.0

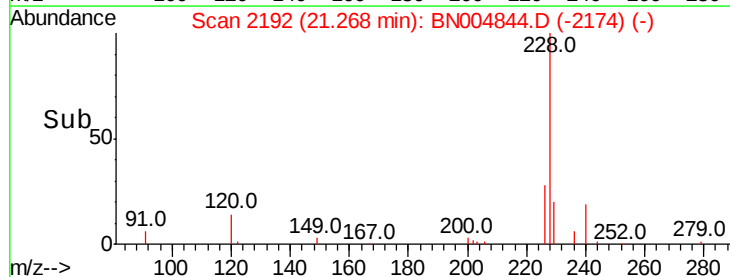
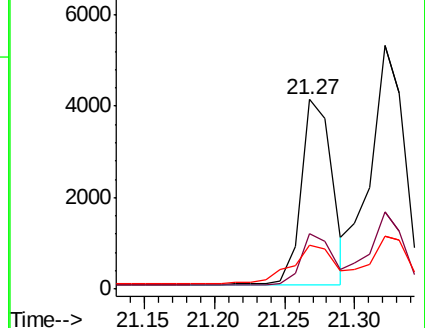
229 23.0 16.2 24.4

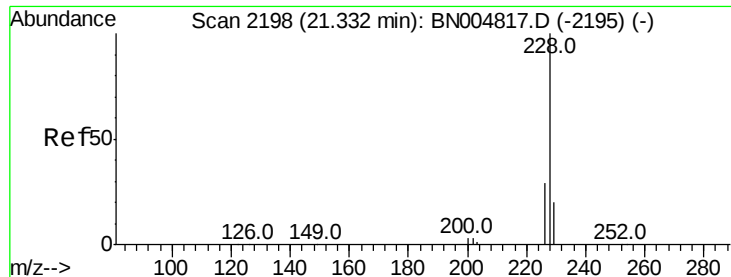


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.100 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

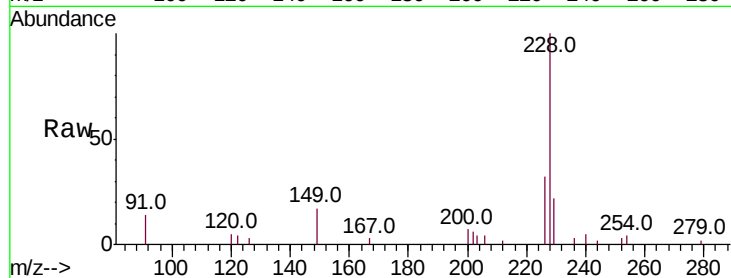
BNA_N

ClientSampleId :

C-MW-06_030719

Tot Ion:228 Resp: 8698

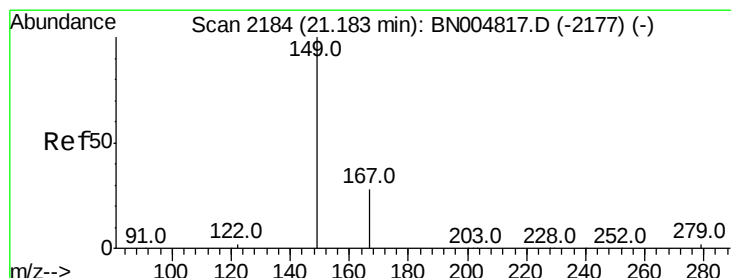
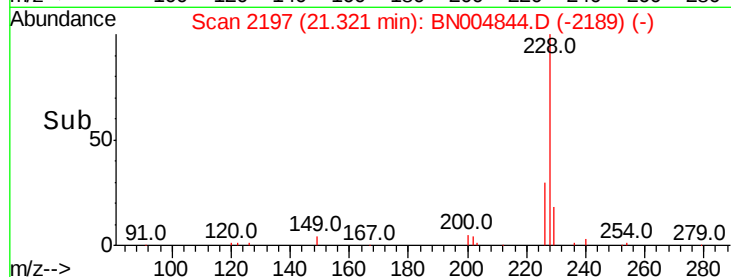
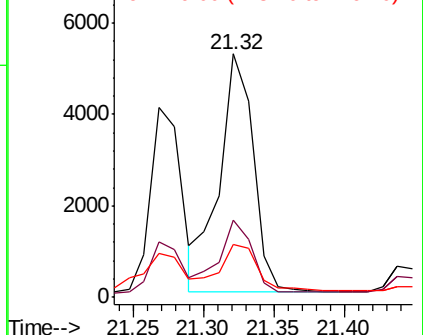
Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.0	34.6
229	21.8	16.2	24.2



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.127 ng

RT: 21.18 min Scan# 2184

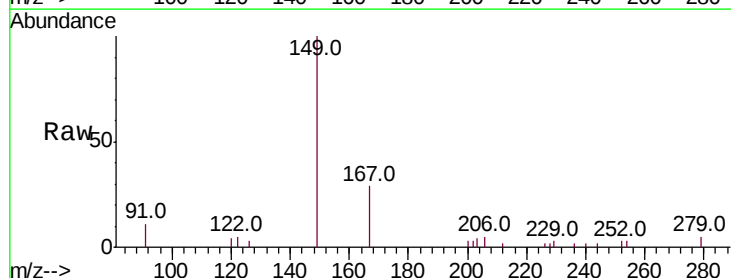
Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Tgt Ion:149 Resp: 4220

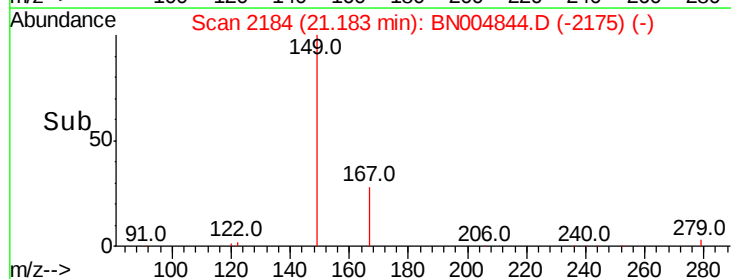
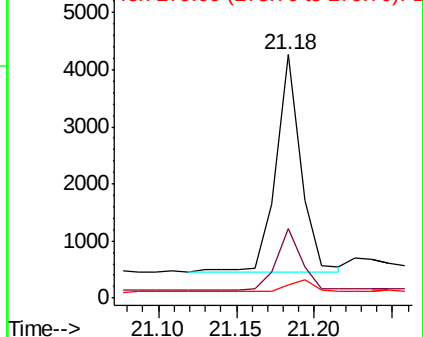
Ion	Ratio	Lower	Upper
149	100		
167	27.5	23.0	34.4
279	6.4	4.6	6.8

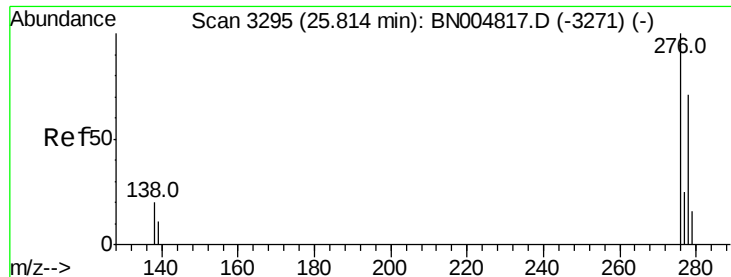


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.052 ng

RT: 25.81 min Scan# 3295

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

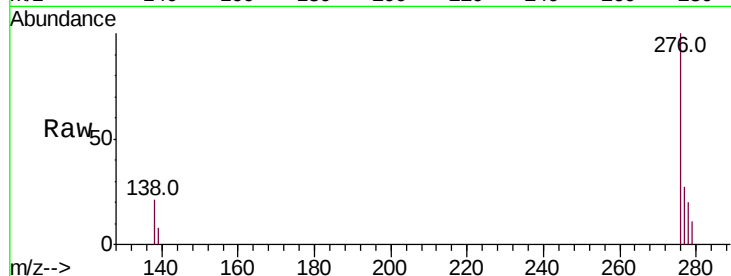
Tot Ion:276 Resp: 6592

Ion Ratio Lower Upper

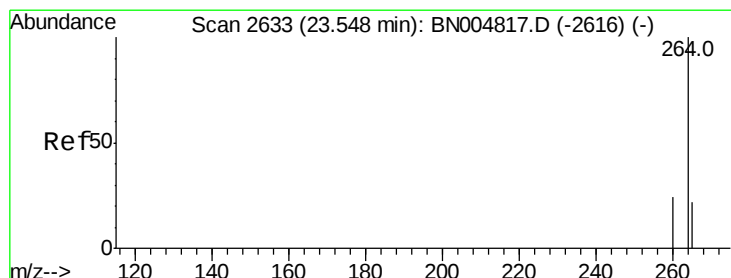
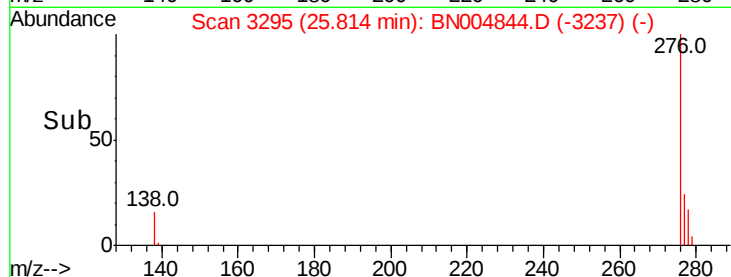
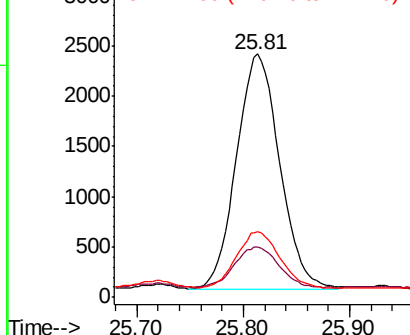
276 100

138 17.6 16.6 24.8

277 24.4 20.3 30.5



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.54 min Scan# 2630

Delta R.T. -0.01 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

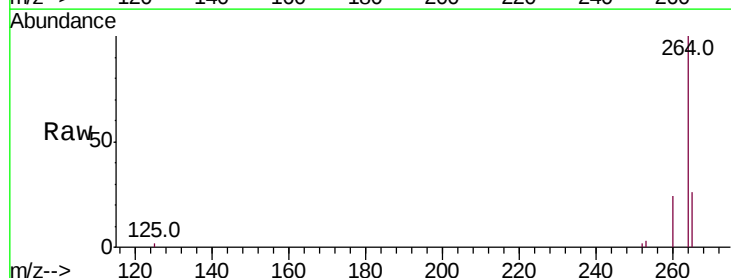
Tgt Ion:264 Resp: 28547

Ion Ratio Lower Upper

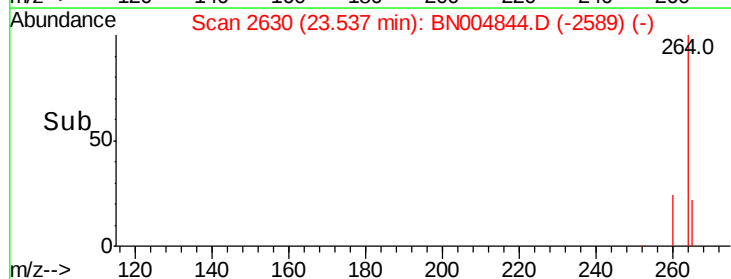
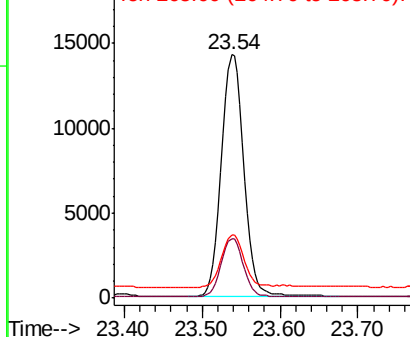
264 100

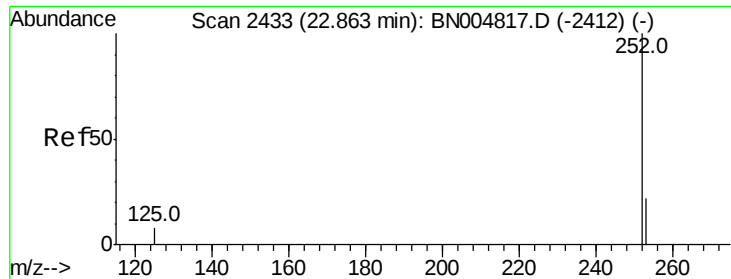
260 24.2 19.5 29.3

265 25.9 23.1 34.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

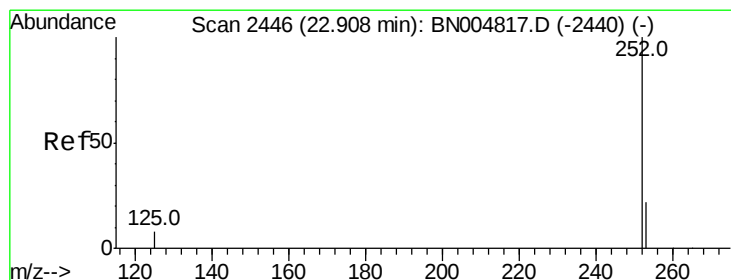
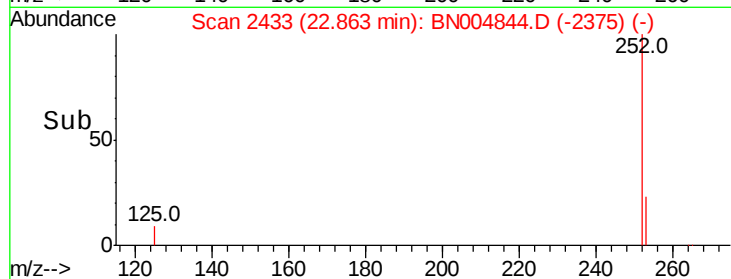
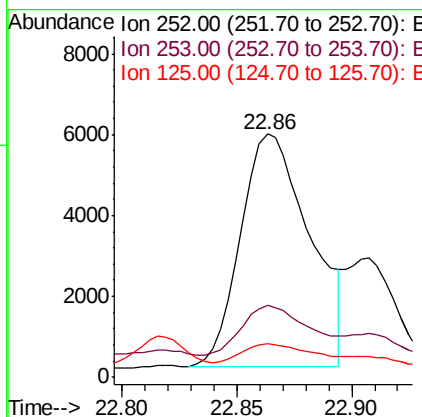
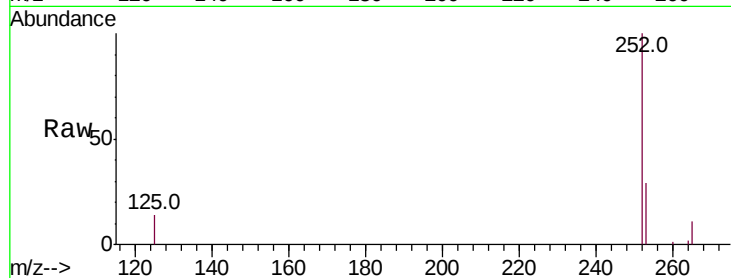




#35
Benzo(b)fluoranthene
Concen: 0.117 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BN004844.D
Acq: 21 Mar 2019 11:43

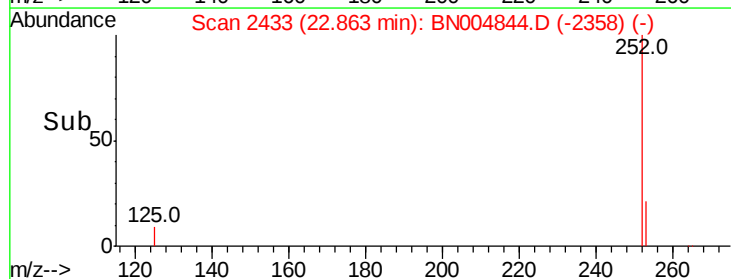
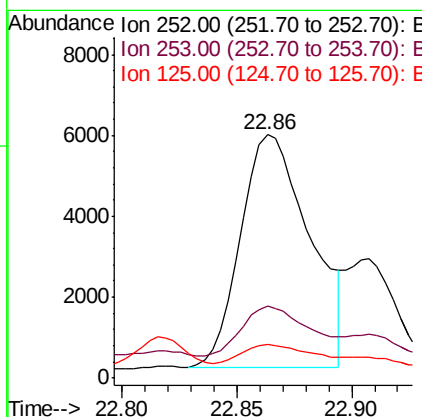
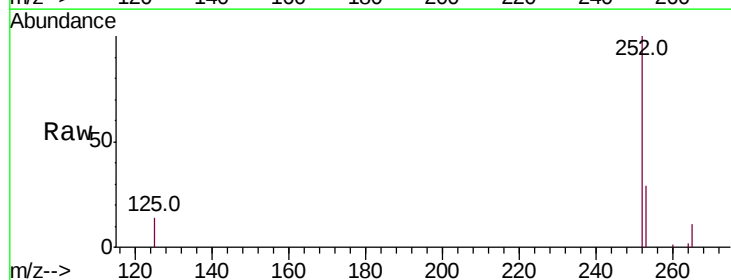
Instrument :
BNA_N
ClientSampleId :
C-MW-06_030719

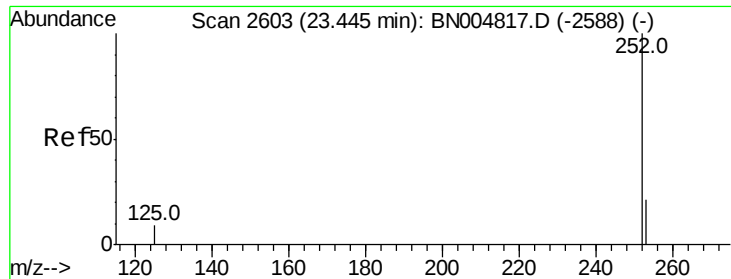
Tot Ion:252 Resp: 12068
Ion Ratio Lower Upper
252 100
253 29.4 19.0 28.4#
125 13.7 7.4 11.2#



#36
Benzo(k)fluoranthene
Concen: 0.119 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.04 min
Lab File: BN004844.D
Acq: 21 Mar 2019 11:43

Tgt Ion:252 Resp: 12068
Ion Ratio Lower Upper
252 100
253 29.4 19.3 28.9#
125 13.7 7.4 11.0#





#37

Benzo(a)pyrene

Concen: 0.075 ng

RT: 23.44 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

C-MW-06_030719

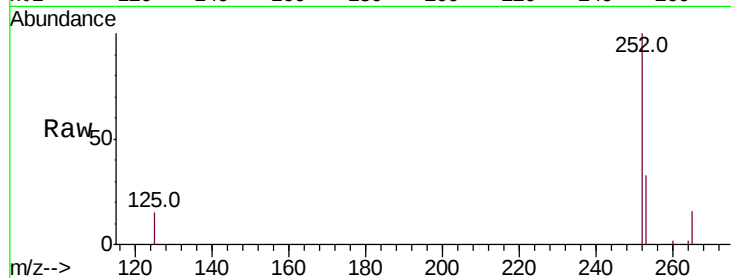
Tot Ion:252 Resp: 7078

Ion Ratio Lower Upper

252 100

253 32.7 19.7 29.5#

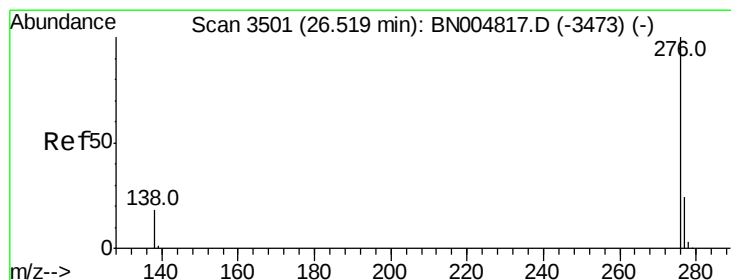
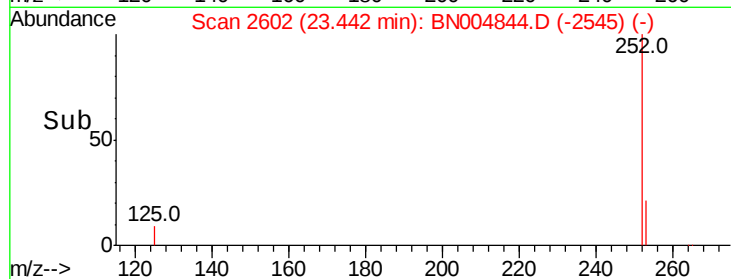
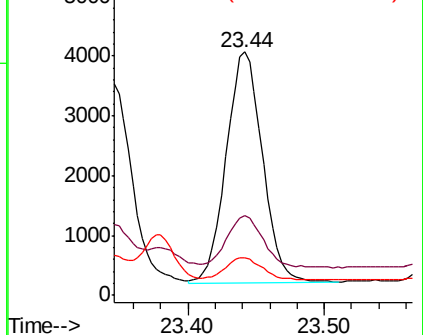
125 15.4 8.3 12.5#



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



#39

Benzo(g,h,i)perylene

Concen: 0.064 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004844.D

Acq: 21 Mar 2019 11:43

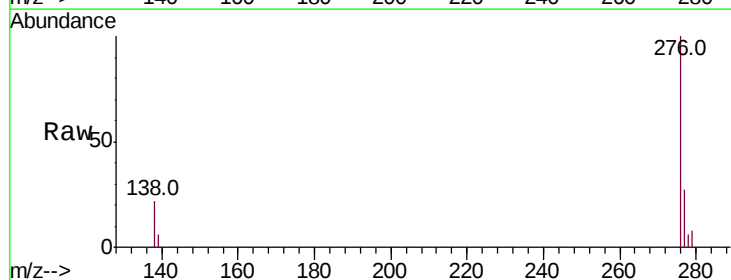
Tgt Ion:276 Resp: 7101

Ion Ratio Lower Upper

276 100

277 27.4 19.7 29.5

138 22.0 14.6 22.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

