

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004848.D
 Acq On : 21 Mar 2019 14:04
 Operator : JU/SJ
 Sample : K1842-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C-MW-11_030719

Quant Time: Mar 22 02:00:48 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	1970	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8768	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	5716	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	15102	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20557	0.40	ng	0.00
34) Perylene-d12	23.54	264	22636	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.30	112	850	0.16	ng	0.00
5) Phenol-d6	6.88	99	684	0.10	ng	0.00
8) Nitrobenzene-d5	8.87	82	2009	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	5708	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1554	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	9090	0.38	ng	0.00
25) Fluoranthene-d10	19.13	212	20375	0.40	ng	0.00
29) Terphenyl-d14	19.72	244	24445	0.58	ng	0.00

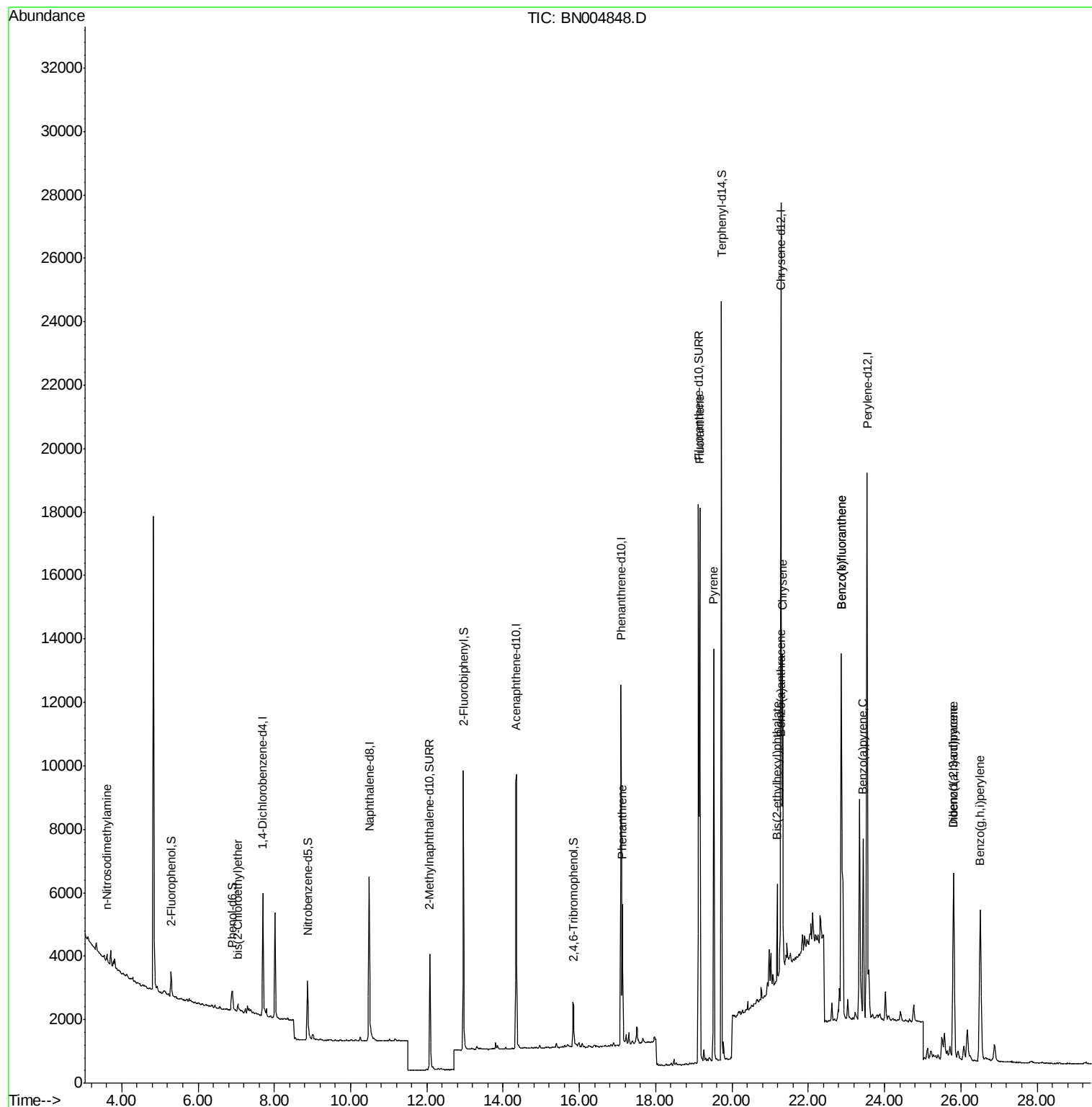
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.61	42	33	0.025	ng	# 1
6) bis(2-Chloroethyl)ether	7.05	93	566	0.094	ng	# 29
23) Phenanthrene	17.13	178	4433	0.091	ng	98
26) Fluoranthene	19.16	202	15308	0.244	ng	99
28) Pyrene	19.52	202	11868	0.189	ng	97
30) Benzo(a)anthracene	21.27	228	4794	0.071	ng	# 91
31) Chrysene	21.32	228	10593	0.149	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	2777	0.103	ng	95
33) Indeno(1,2,3-cd)pyrene	25.81	276	9775	0.095	ng	96
35) Benzo(b)fluoranthene	22.86	252	18906	0.231	ng	# 92
36) Benzo(k)fluoranthene	22.86	252	18906	0.235	ng	# 93
37) Benzo(a)pyrene	23.44	252	7965	0.106	ng	# 84
38) Dibenzo(a,h)anthracene	25.81	278	1943	0.022	ng	# 43
39) Benzo(g,h,i)perylene	26.51	276	10346	0.117	ng	95

(#) = 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: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

ClientSampleId :

C-MW-11_030719

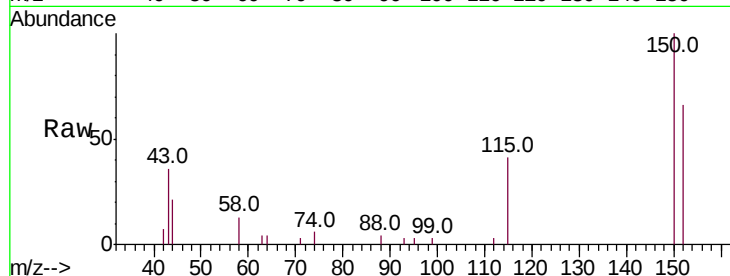
Tot Ion:152 Resp: 1970

Ion Ratio Lower Upper

152 100

150 151.4 126.2 189.4

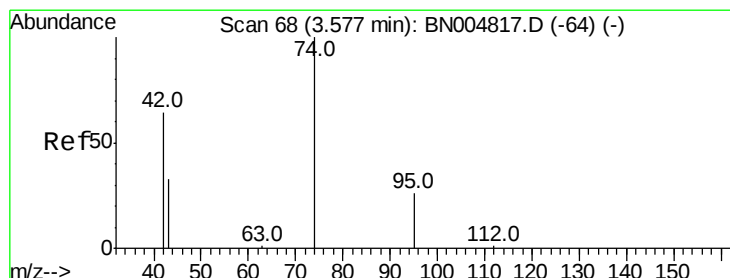
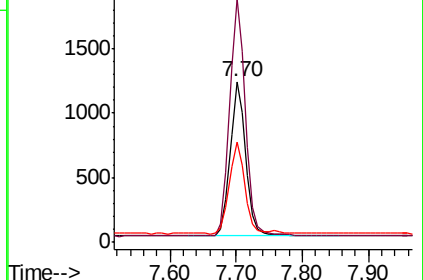
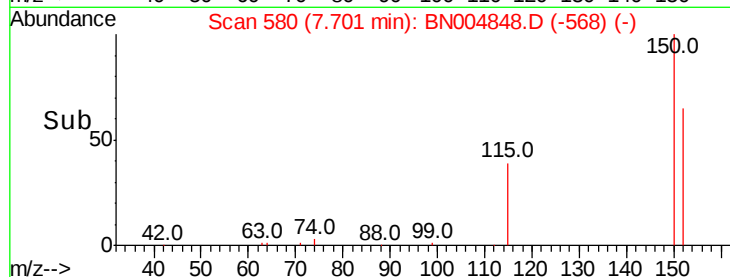
115 62.5 52.6 79.0



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



#3

n-Nitrosodimethylamine

Concen: 0.025 ng

RT: 3.61 min Scan# 72

Delta R.T. 0.03 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

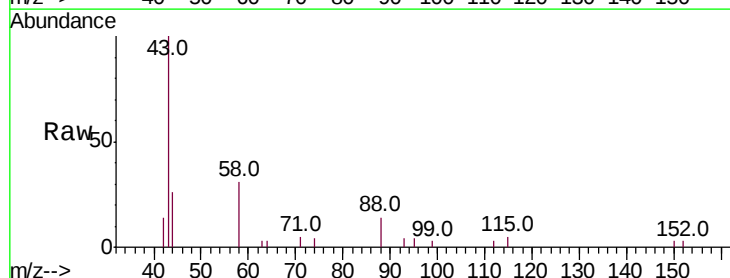
Tgt Ion: 42 Resp: 33

Ion Ratio Lower Upper

42 100

74 21.2 128.4 192.6#

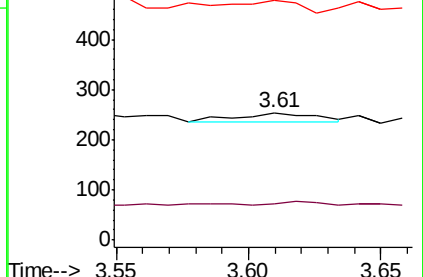
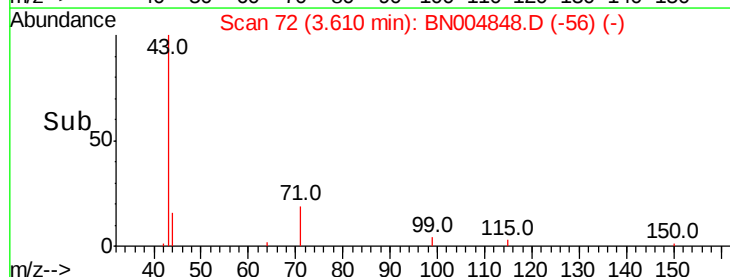
44 169.7 6.1 9.1#

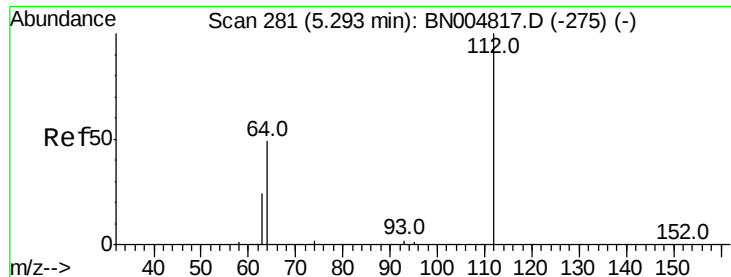


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.159 ng

RT: 5.30 min Scan# 282

Delta R.T. 0.01 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

ClientSampleId :

C-MW-11_030719

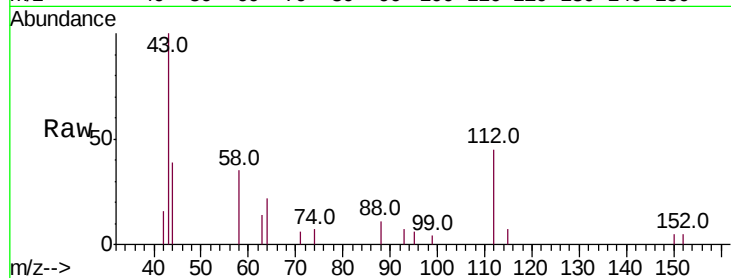
Tot Ion:112 Resp: 850

Ion Ratio Lower Upper

112 100

64 51.2 40.0 60.0

63 24.7 20.2 30.2



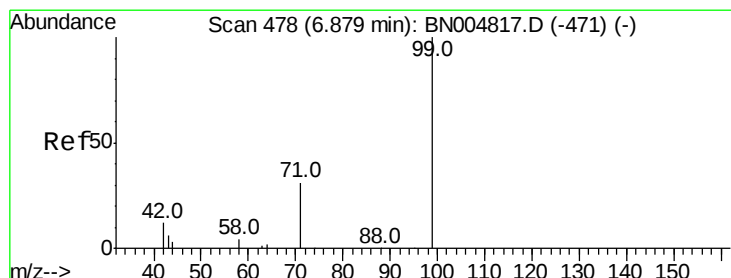
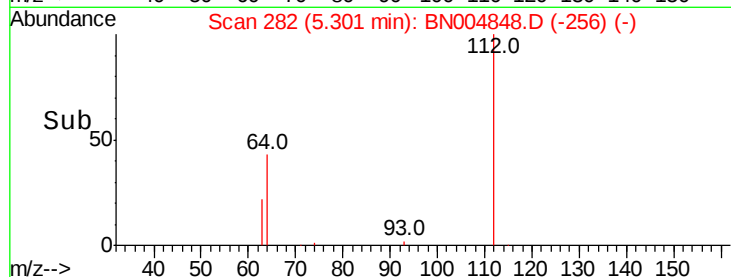
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

5.30

Time-->



#5

Phenol-d6

Concen: 0.103 ng

RT: 6.88 min Scan# 478

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

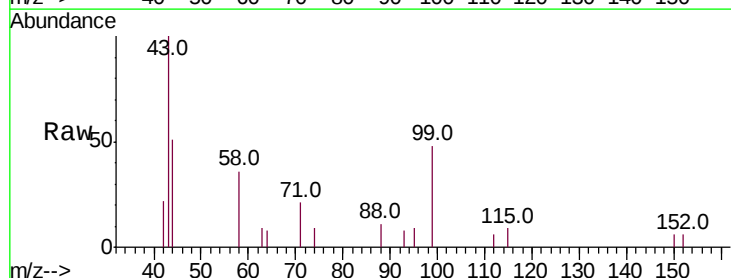
Tgt Ion: 99 Resp: 684

Ion Ratio Lower Upper

99 100

42 17.3 12.7 19.1

71 34.9 26.6 40.0



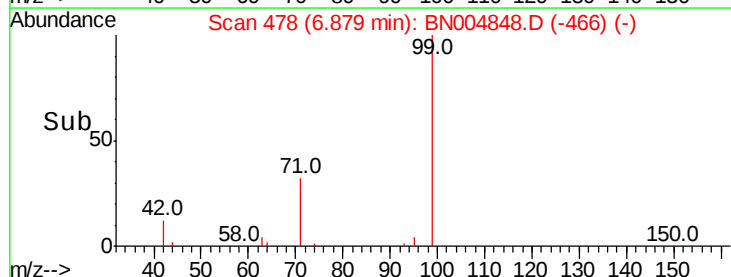
Abundance Ion 99.00 (98.70 to 99.70): BN0

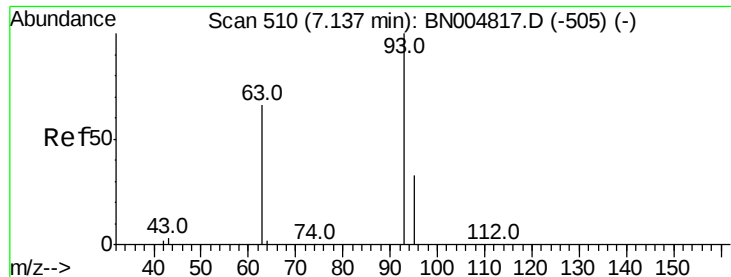
Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0

6.88

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.094 ng

RT: 7.05 min Scan# 499

Delta R.T. -0.09 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

ClientSampleId :

C-MW-11_030719

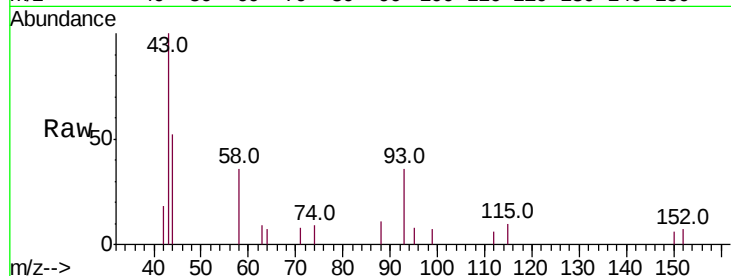
Tot Ion: 93 Resp: 566

Ion Ratio Lower Upper

93 100

63 3.7 52.6 78.8#

95 0.0 25.9 38.9#



Abundance Ion 93.00 (92.70 to 93.70): BN004817.D (-505) (-)

Ion 63.00 (62.70 to 63.70): BN004817.D (-505) (-)

Ion 95.00 (94.70 to 95.70): BN004817.D (-505) (-)

7.05

300

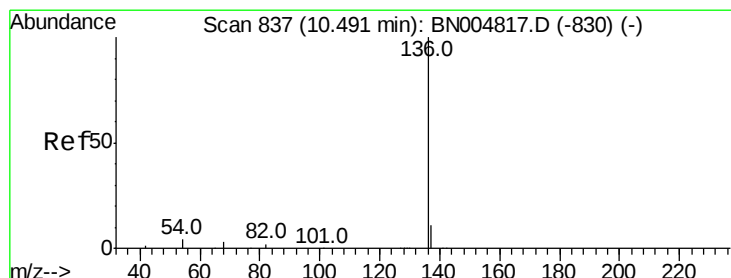
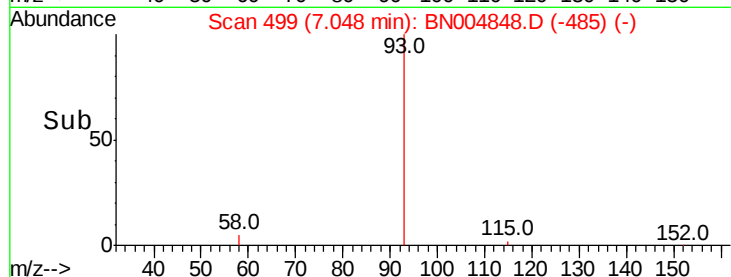
200

100

0

7.00 7.10 7.20

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Tgt Ion:136 Resp: 8768

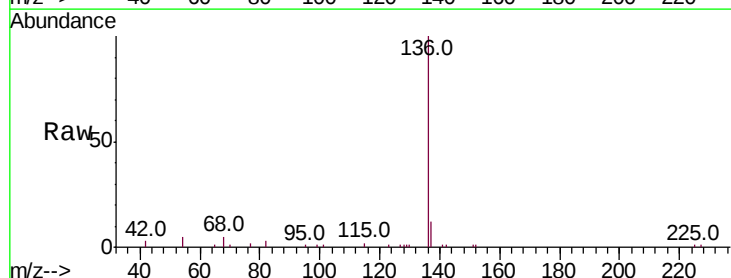
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 5.0 4.2 6.2

68 4.5 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) (-)

10.49

6000

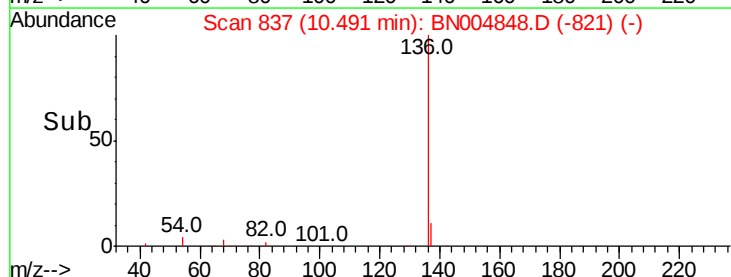
4000

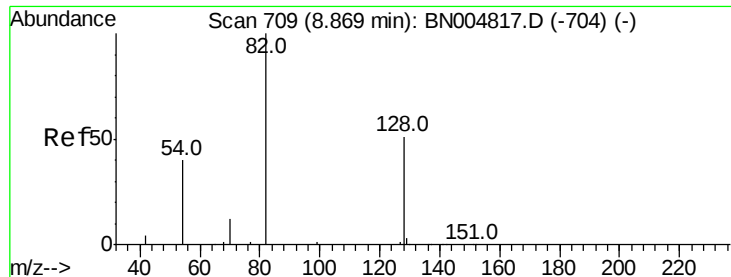
2000

0

10.40 10.50 10.60 10.70

Time-->





#8

Nitrobenzene-d5

Concen: 0.346 ng

RT: 8.87 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

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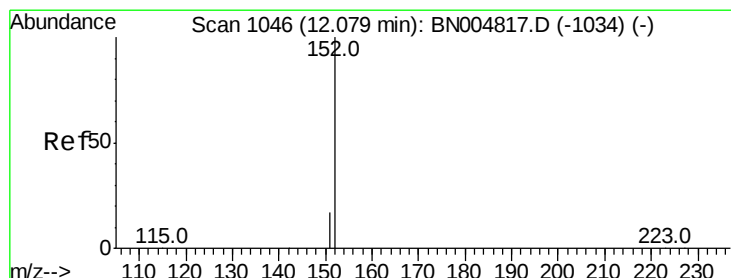
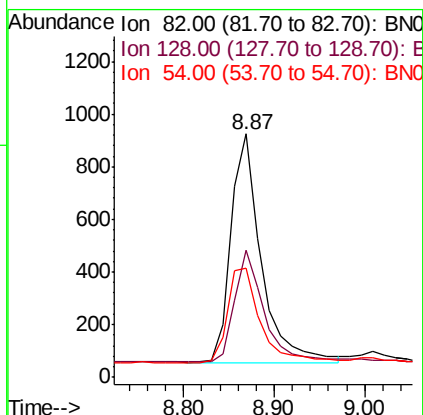
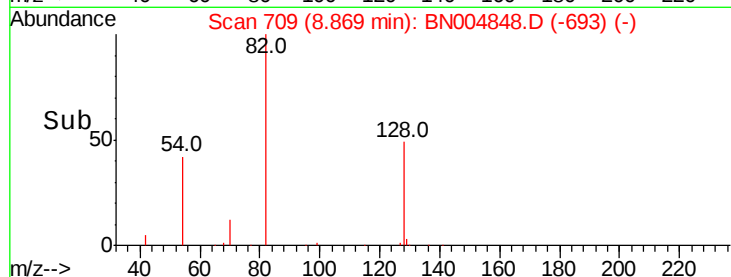
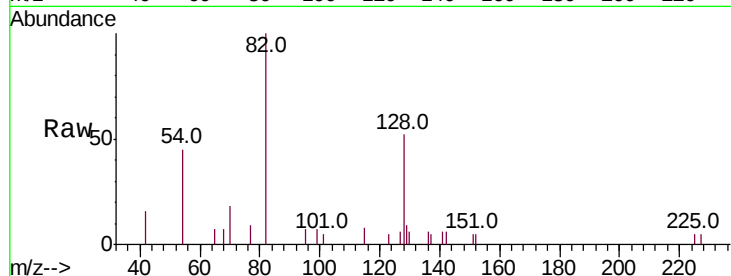
Tot Ion: 82 Resp: 2009

Ion Ratio Lower Upper

82 100

128 52.3 43.0 64.6

54 45.1 35.3 52.9



#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 12.08 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BN004848.D

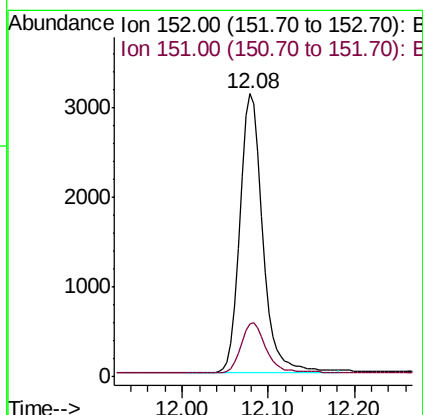
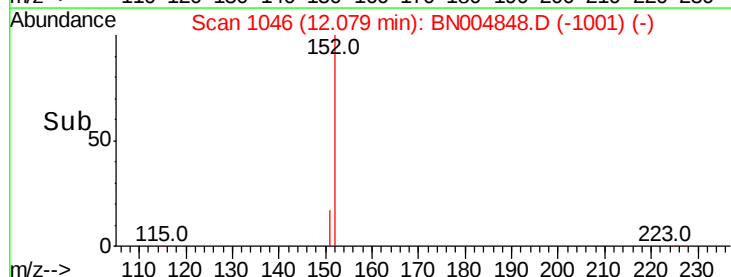
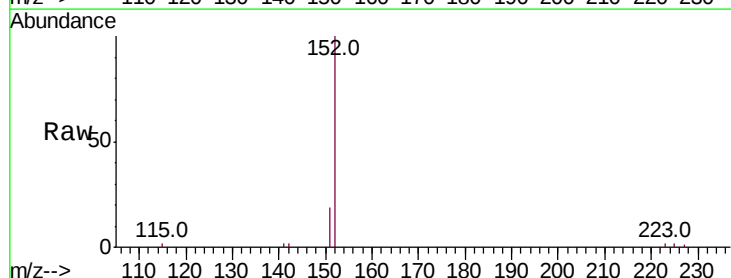
Acq: 21 Mar 2019 14:04

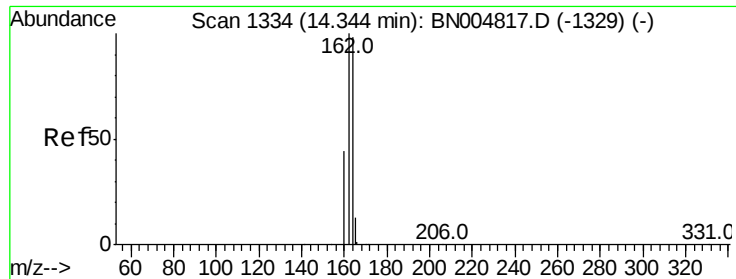
Tgt Ion: 152 Resp: 5708

Ion Ratio Lower Upper

152 100

151 19.4 15.5 23.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

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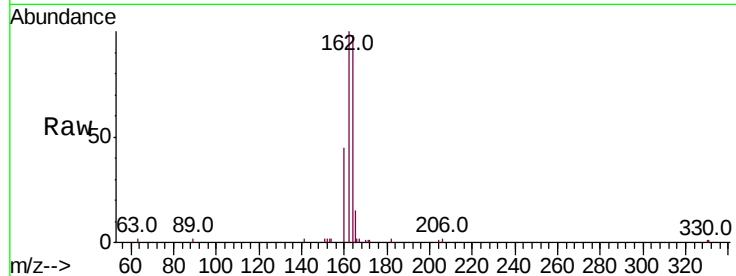
Tot Ion:164 Resp: 5716

Ion Ratio Lower Upper

164 100

162 102.2 81.9 122.9

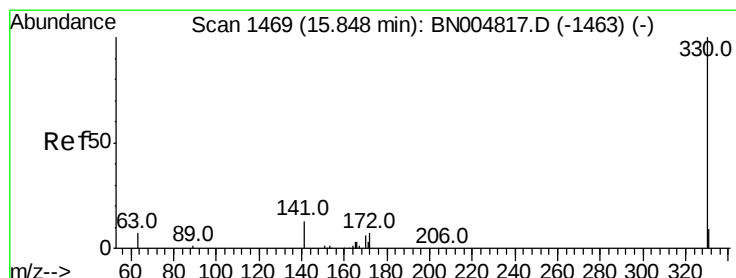
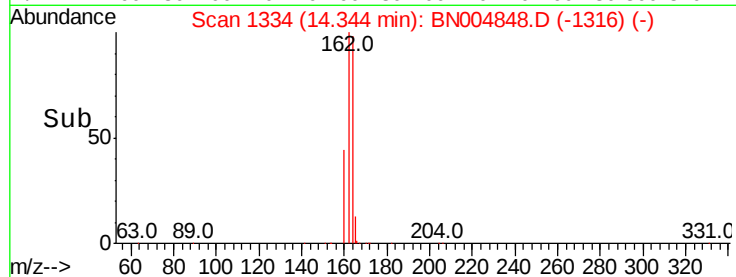
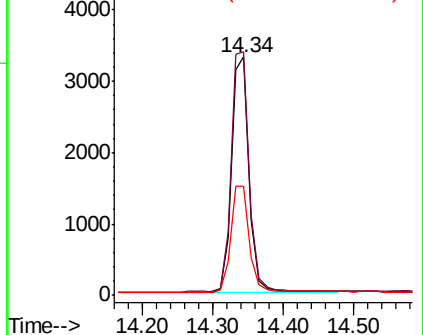
160 45.9 36.6 54.8



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: 0.394 ng

RT: 15.85 min Scan# 1469

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

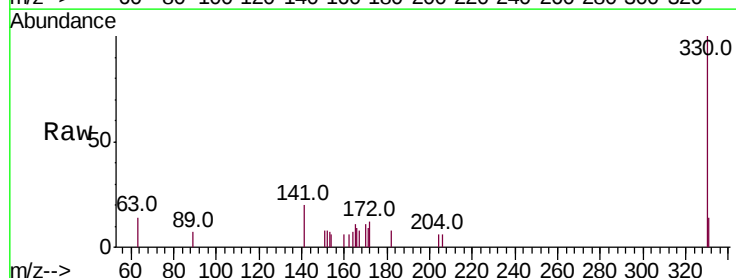
Tgt Ion:330 Resp: 1554

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

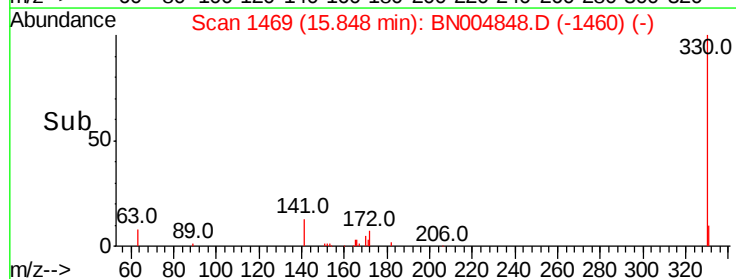
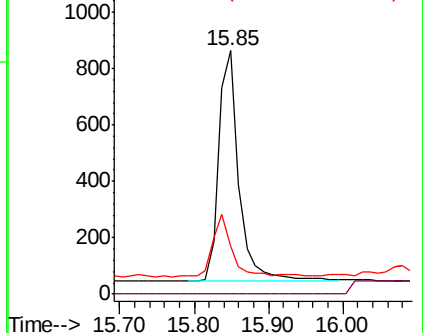
141 24.8 20.9 31.3

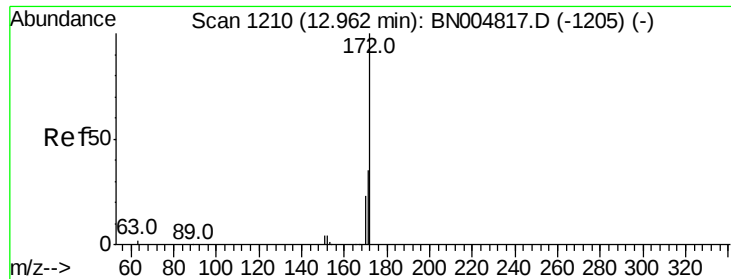


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

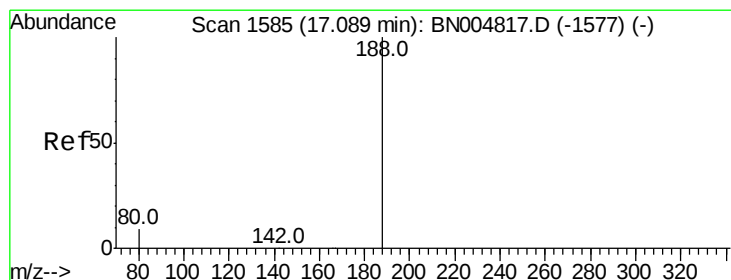
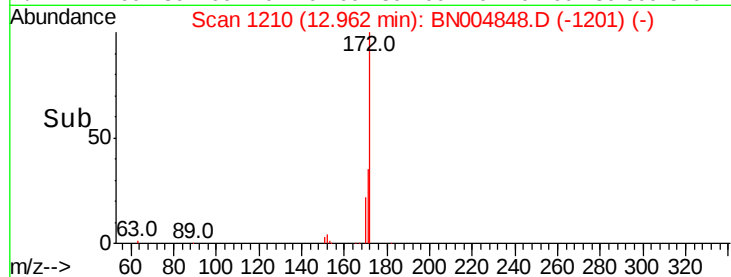
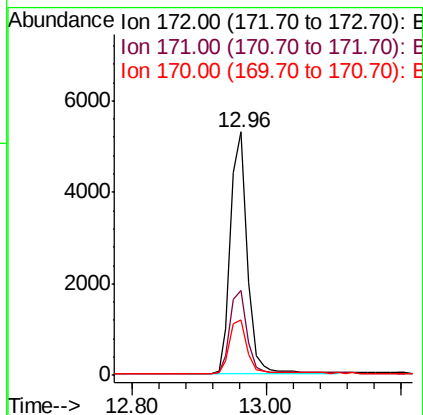
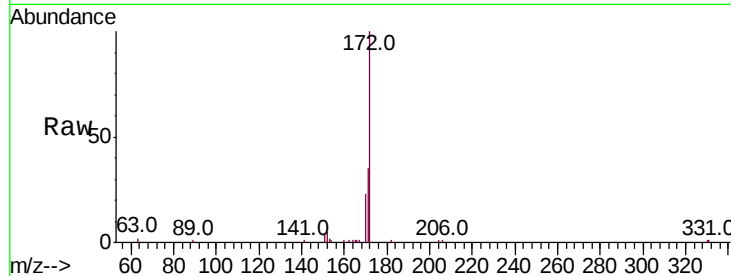




#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 12.96 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

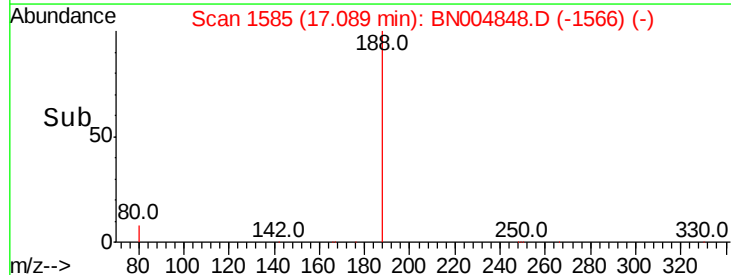
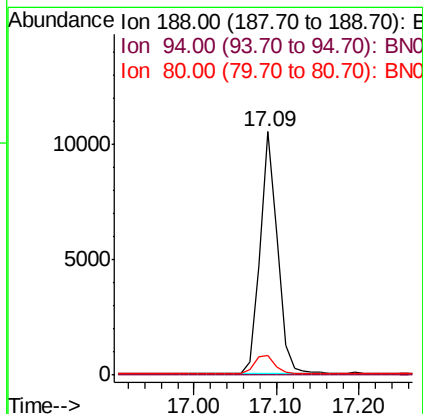
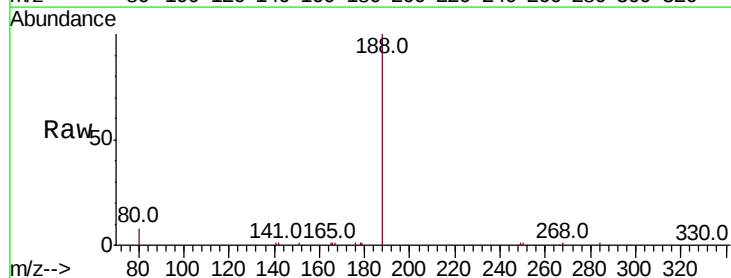
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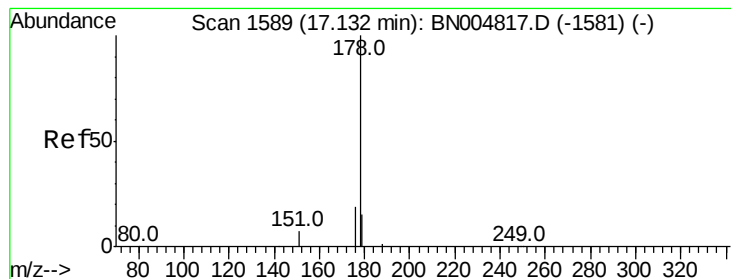
Tot Ion:172 Resp: 9090
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 22.8 18.7 28.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Tgt Ion:188 Resp: 15102
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 7.4 11.2





#23

Phenanthrene

Concen: 0.091 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

ClientSampleId :

C-MW-11_030719

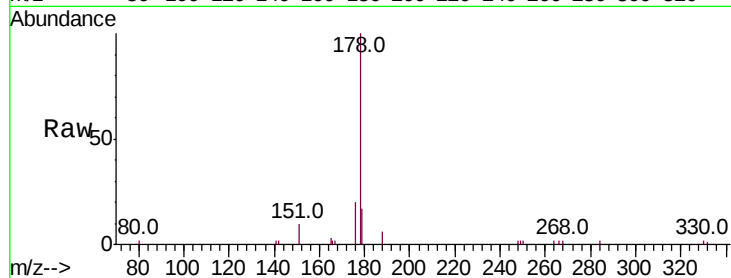
Tot Ion:178 Resp: 4433

Ion Ratio Lower Upper

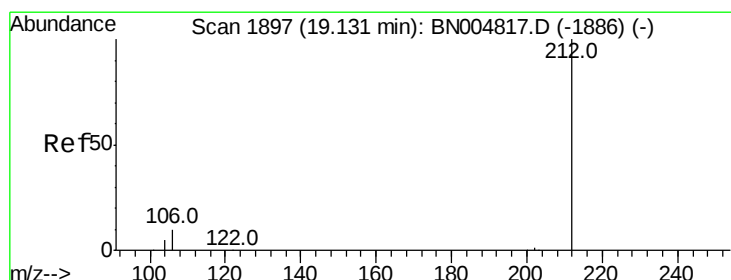
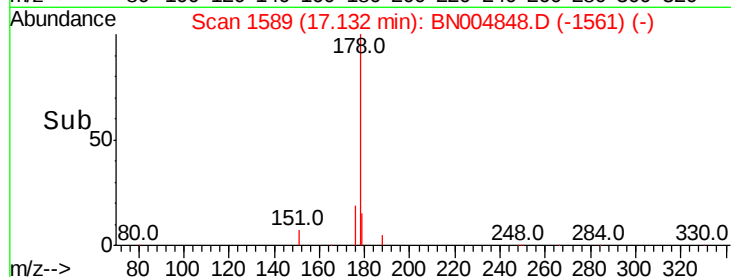
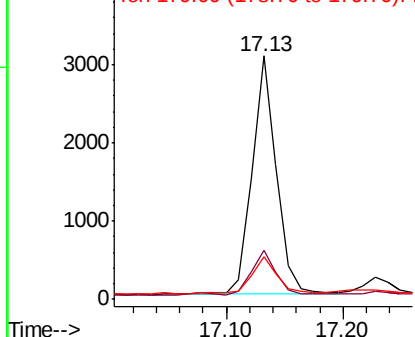
178 100

176 19.6 14.9 22.3

179 16.0 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



#25

Fluoranthene-d10

Concen: 0.403 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

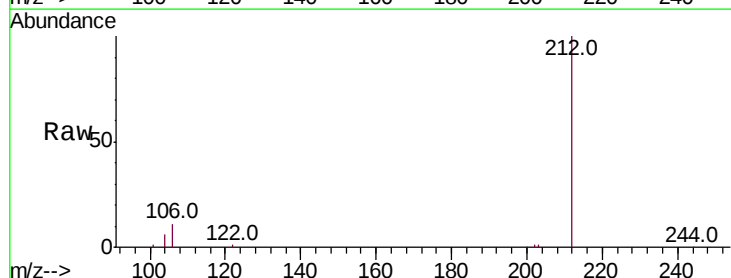
Tgt Ion:212 Resp: 20375

Ion Ratio Lower Upper

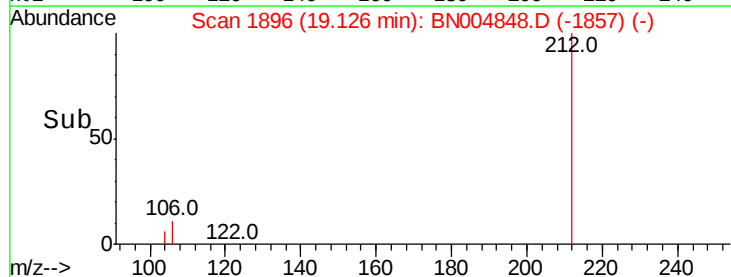
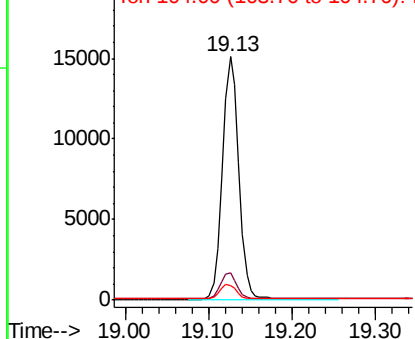
212 100

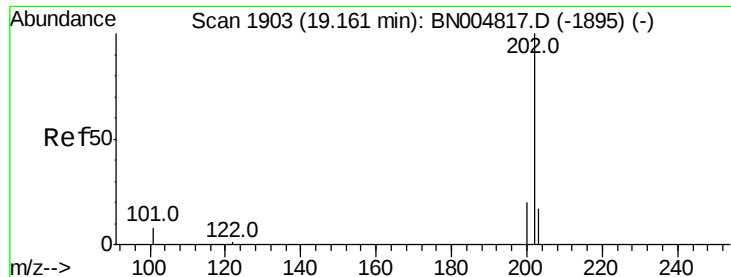
106 10.9 8.6 13.0

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

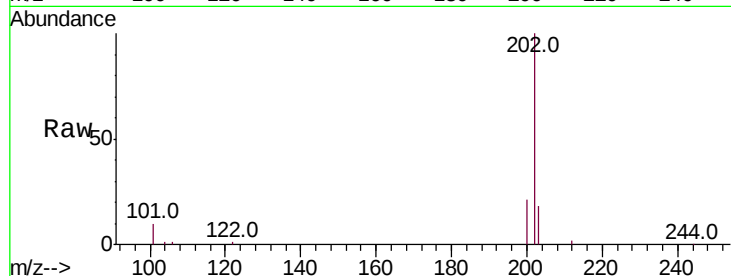




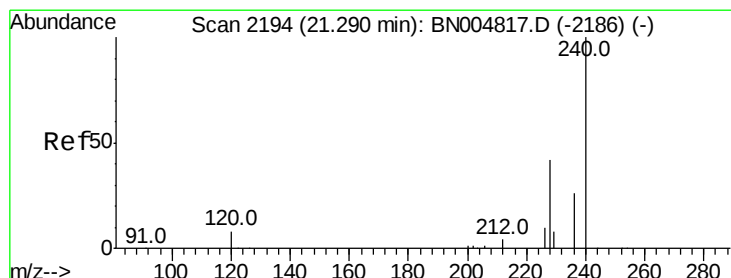
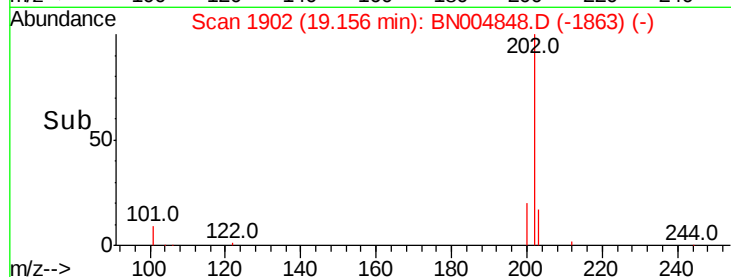
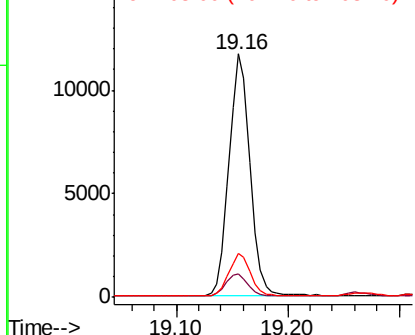
#26
Fluoranthene
Concen: 0.244 ng
RT: 19.16 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
C-MW-11_030719

Tot Ion:202 Resp: 15308
Ion Ratio Lower Upper
202 100
101 9.6 7.5 11.3
203 17.5 13.8 20.6

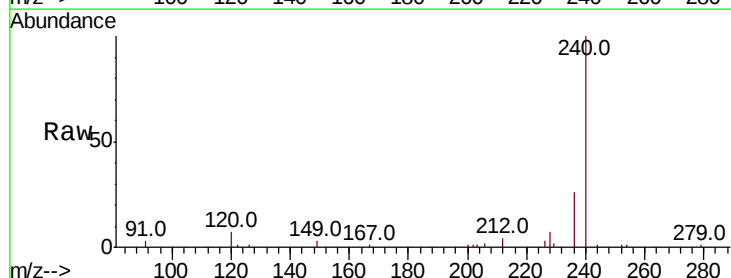


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

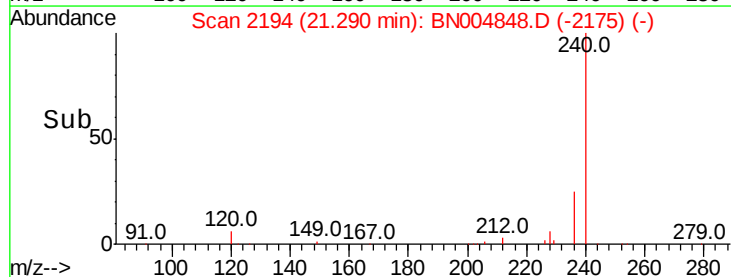
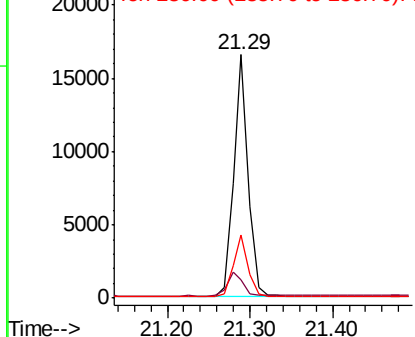


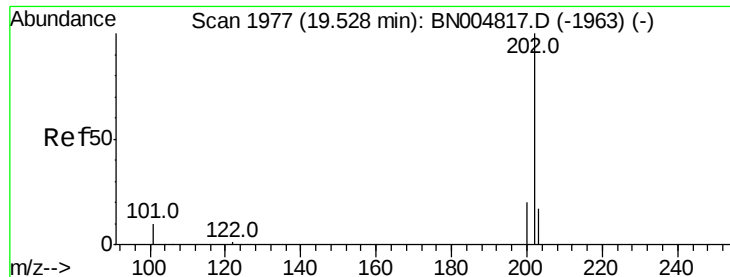
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Tgt Ion:240 Resp: 20557
Ion Ratio Lower Upper
240 100
120 7.3 7.2 10.8
236 25.9 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

Pvrene

Concen: 0.189 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

ClientSampleId :

C-MW-11_030719

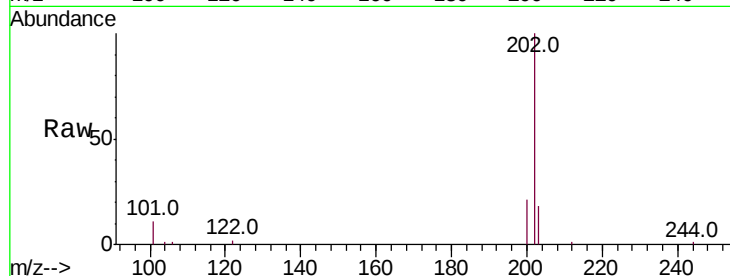
Tot Ion:202 Resp: 11868

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

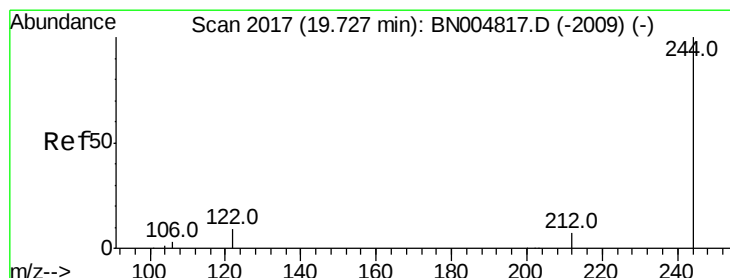
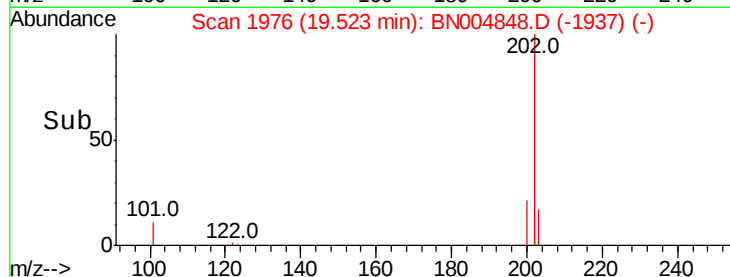
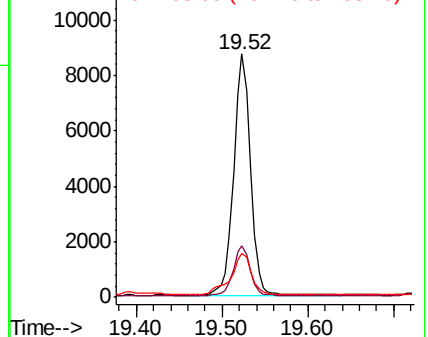
203 20.5 14.0 21.0



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: 0.581 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

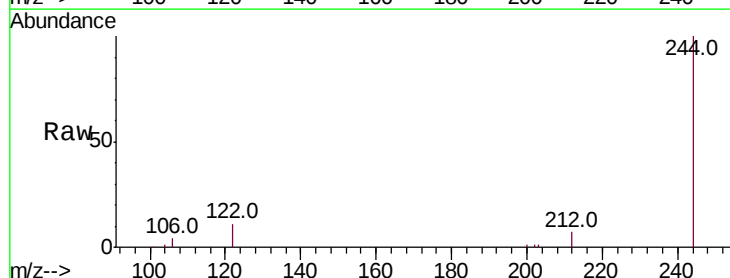
Tgt Ion:244 Resp: 24445

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

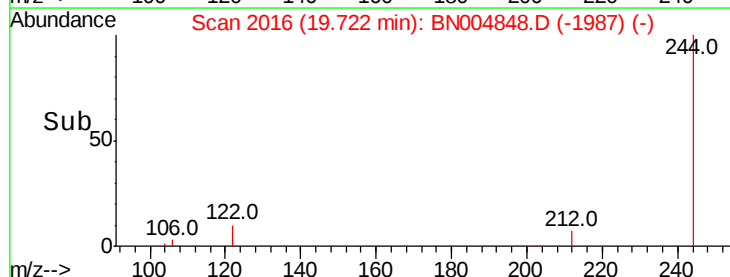
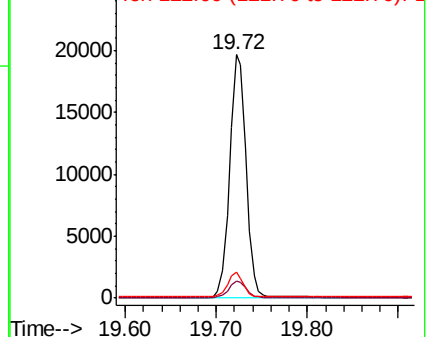
122 10.8 7.9 11.9

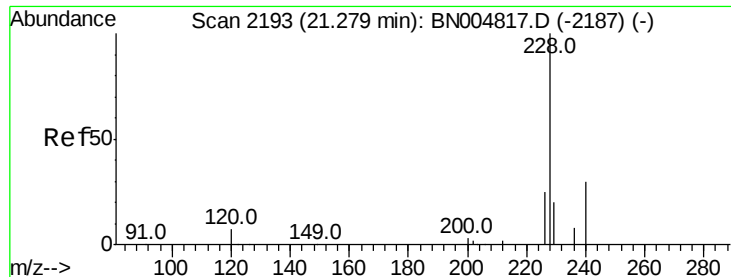


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

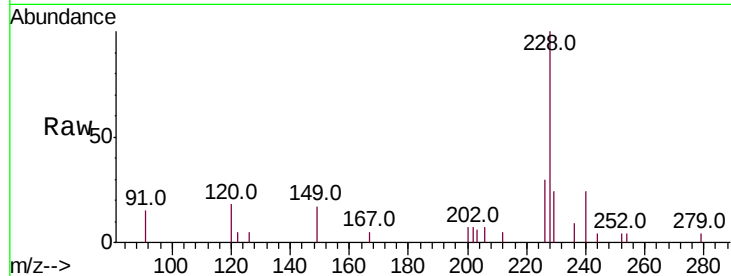




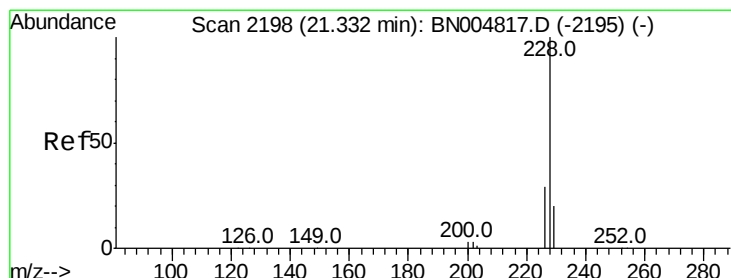
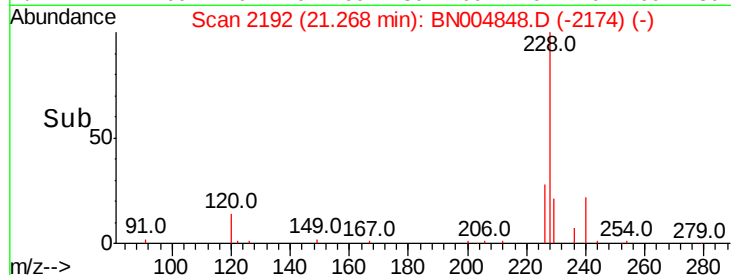
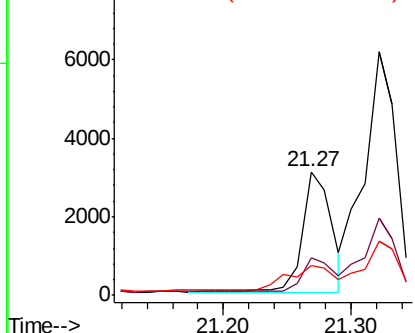
#30
Benzo(a)anthracene
Concen: 0.071 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
C-MW-11_030719

Tot Ion:228 Resp: 4794
Ion Ratio Lower Upper
228 100
226 30.1 20.6 31.0
229 24.4 16.2 24.4#

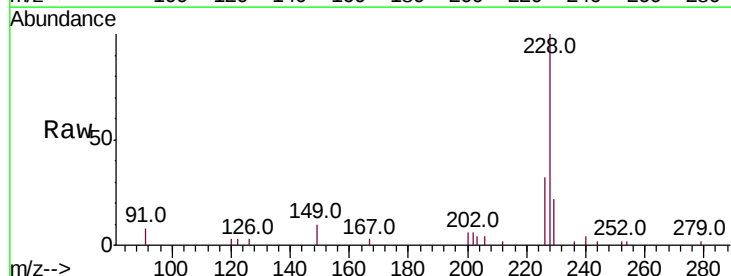


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

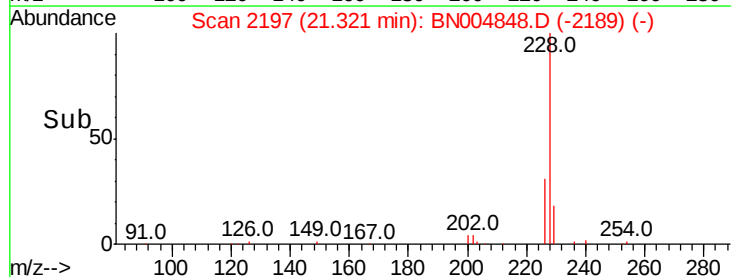
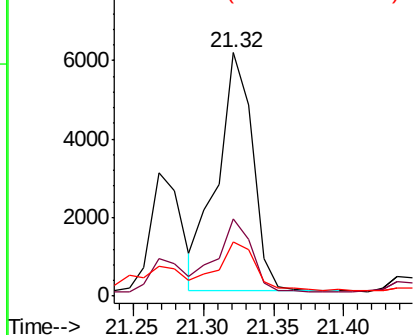


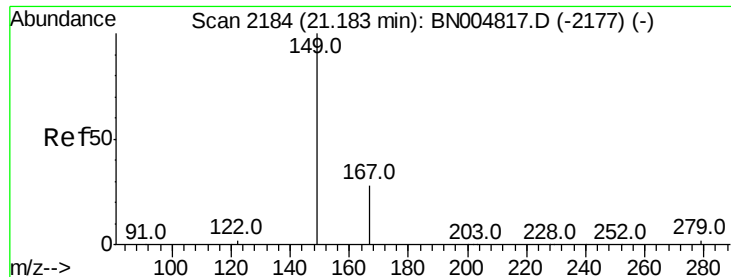
#31
Chrysene
Concen: 0.149 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Tgt Ion:228 Resp: 10593
Ion Ratio Lower Upper
228 100
226 31.7 23.0 34.6
229 22.0 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: 0.103 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

ClientSampleId :

C-MW-11_030719

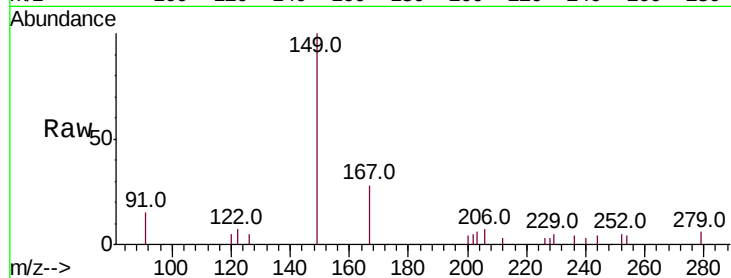
Tot Ion:149 Resp: 2777

Ion Ratio Lower Upper

149 100

167 25.8 23.0 34.4

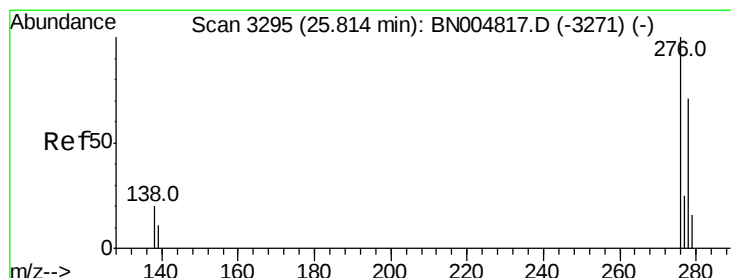
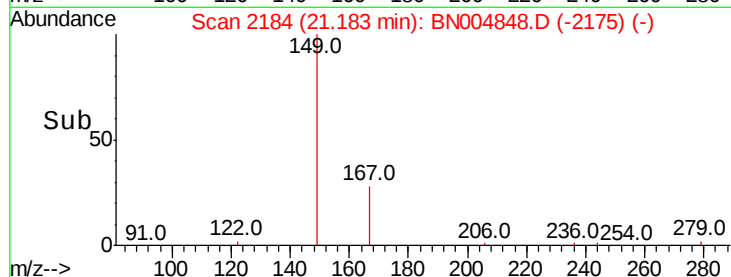
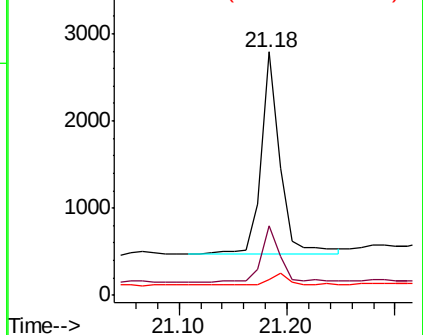
279 5.8 4.6 6.8



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: 0.095 ng

RT: 25.81 min Scan# 3294

Delta R.T. -0.00 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

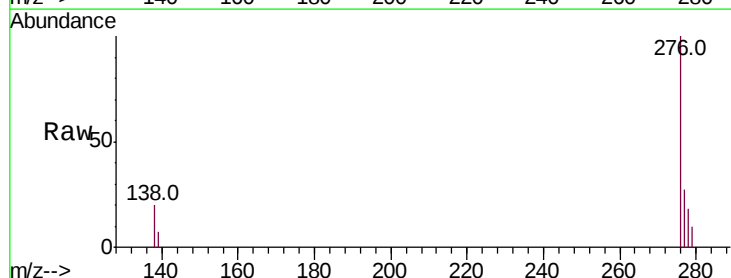
Tgt Ion:276 Resp: 9775

Ion Ratio Lower Upper

276 100

138 17.5 16.6 24.8

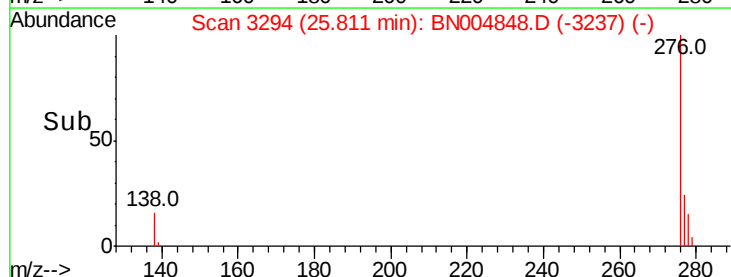
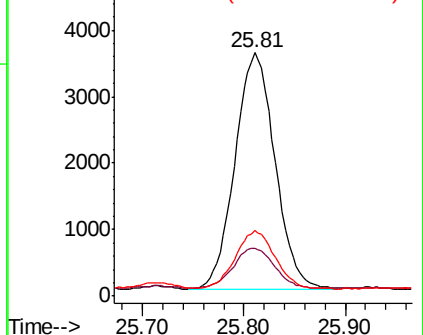
277 24.5 20.3 30.5

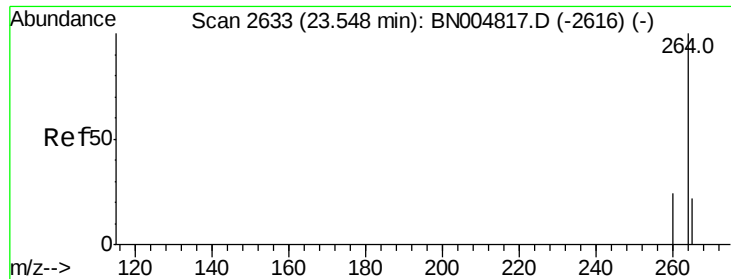


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



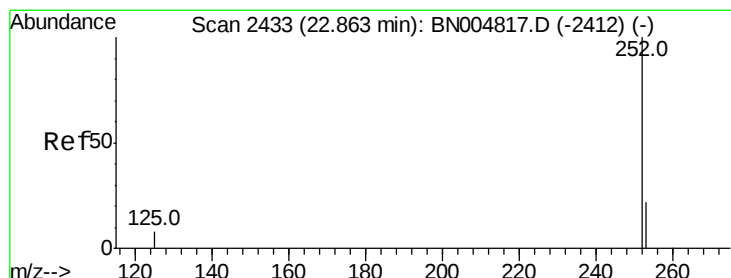
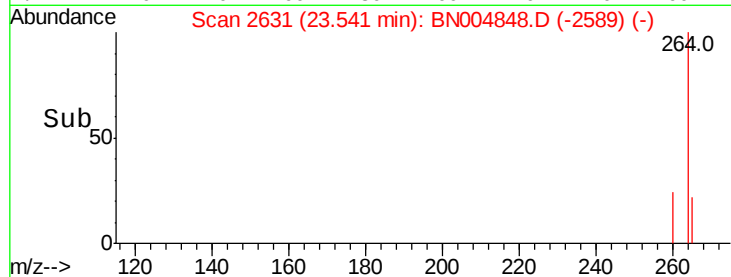
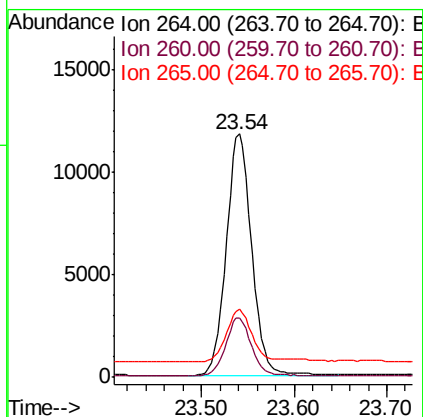
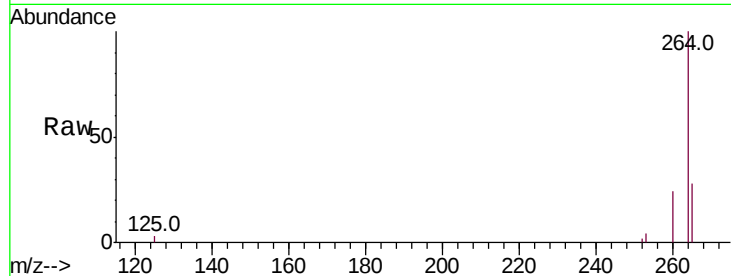


#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2631
Delta R.T. -0.01 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Instrument :
BNA_N
ClientSampleId :
C-MW-11_030719

Tot Ion:264 Resp: 22636

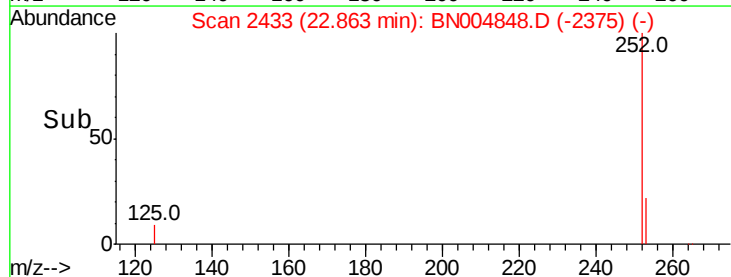
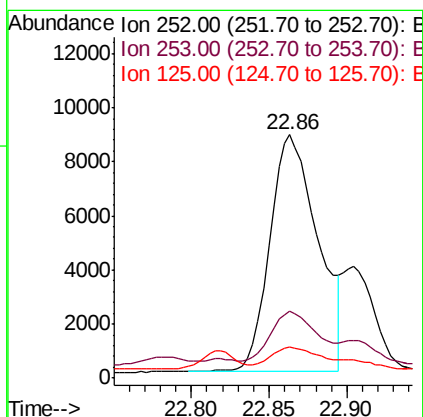
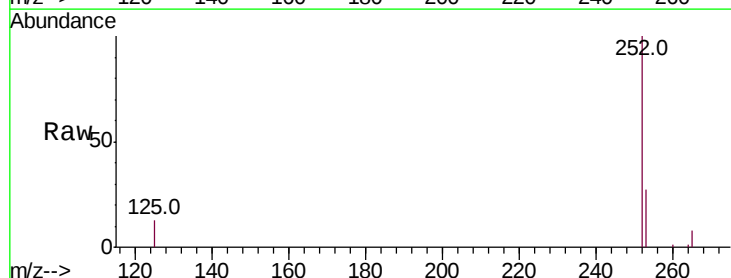
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	28.0	23.1	34.7

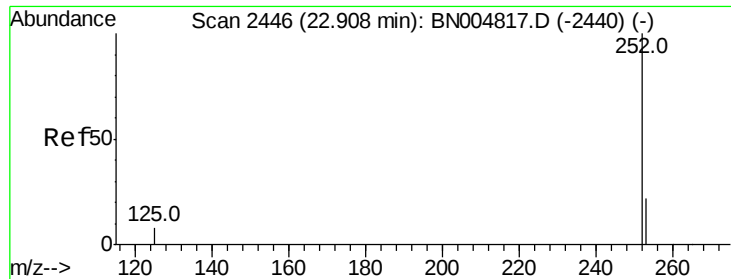


#35
Benzo(b)fluoranthene
Concen: 0.231 ng
RT: 22.86 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Tgt Ion:252 Resp: 18906

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.0	28.4
125	12.7	7.4	11.2

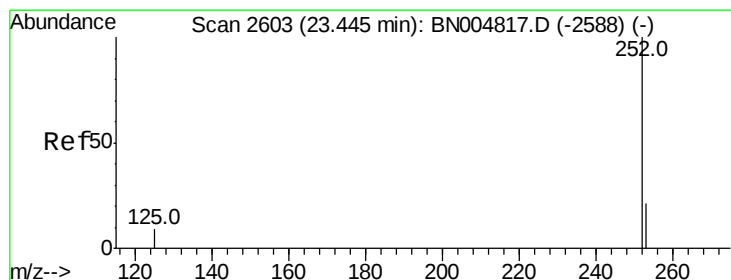
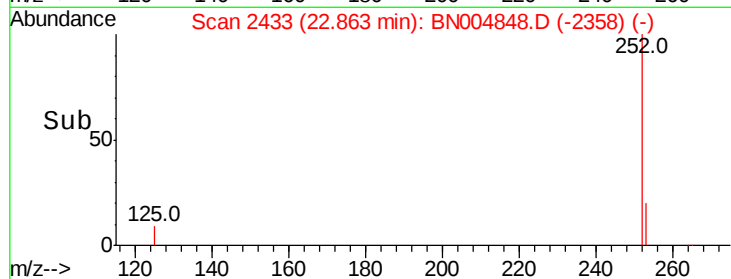
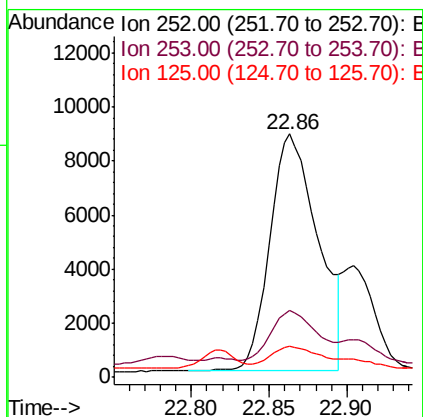
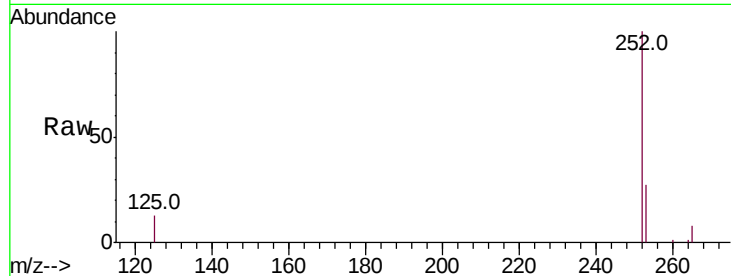




#36
Benzo(k)fluoranthene
Concen: 0.235 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.04 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

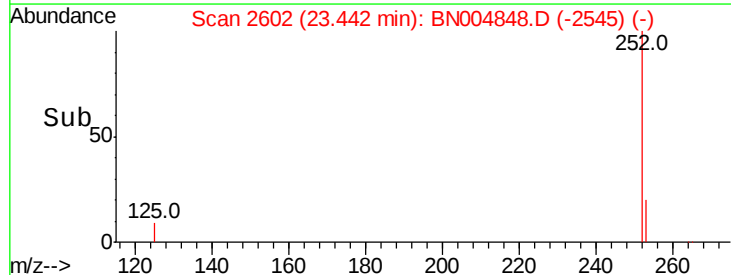
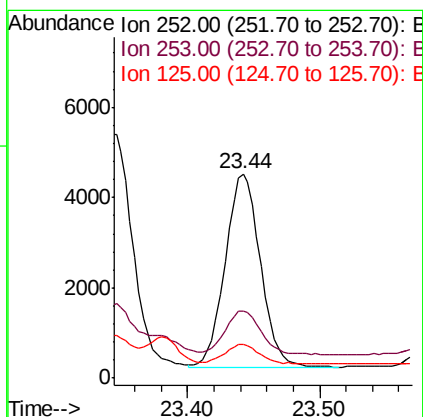
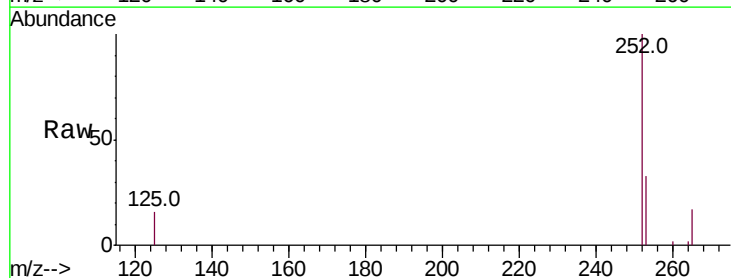
Instrument :
BNA_N
ClientSampleId :
C-MW-11_030719

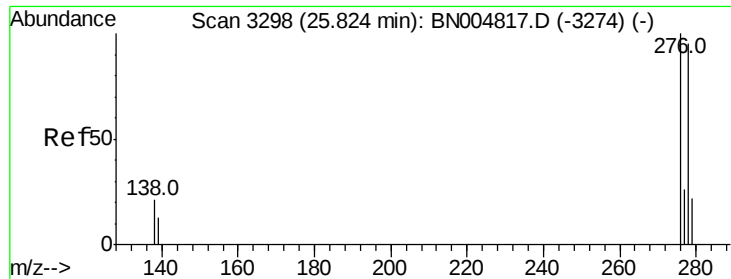
Tot Ion:252 Resp: 18906
Ion Ratio Lower Upper
252 100
253 27.3 19.3 28.9
125 12.7 7.4 11.0#



#37
Benzo(a)pyrene
Concen: 0.106 ng
RT: 23.44 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BN004848.D
Acq: 21 Mar 2019 14:04

Tgt Ion:252 Resp: 7965
Ion Ratio Lower Upper
252 100
253 32.8 19.7 29.5#
125 16.3 8.3 12.5#





#38

Dibenzo(a,h)anthracene

Concen: 0.022 ng

RT: 25.81 min Scan# 3295

Delta R.T. -0.01 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

Instrument :

BNA_N

ClientSampleId :

C-MW-11_030719

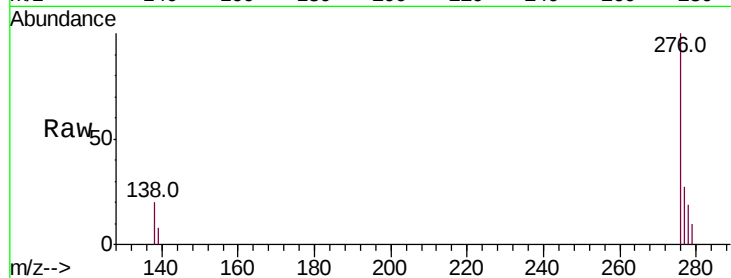
Tot Ion:278 Resp: 1943

Ion Ratio Lower Upper

278 100

139 39.9 11.7 17.5#

279 52.4 19.9 29.9#



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

25.81

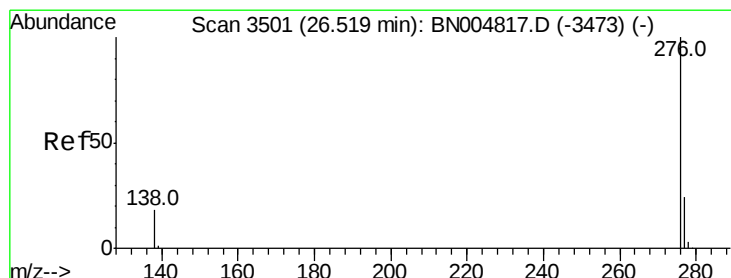
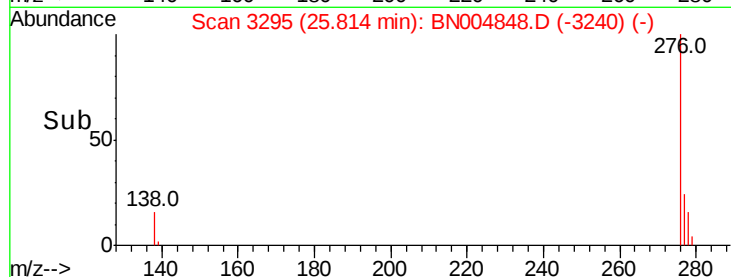
600

400

200

0

Time--> 25.70 25.80 25.90



#39

Benzo(g,h,i)perylene

Concen: 0.117 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004848.D

Acq: 21 Mar 2019 14:04

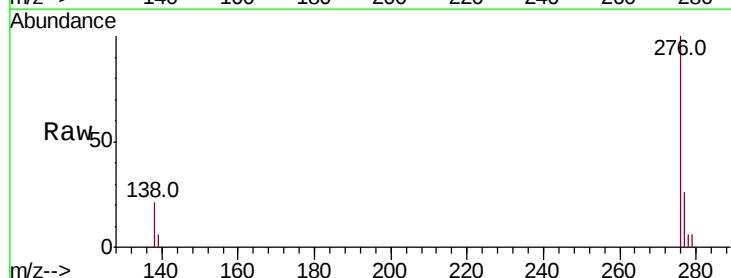
Tgt Ion:276 Resp: 10346

Ion Ratio Lower Upper

276 100

277 26.4 19.7 29.5

138 20.8 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

26.51

4000

3000

2000

1000

0

Time--> 26.40 26.50 26.60 26.70

