

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
 Data File : BN004963.D
 Acq On : 25 Mar 2019 16:32
 Operator : JU/SJ
 Sample : K2015-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW039-031919

Quant Time: Mar 26 01:53:53 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	7.68	152	3777	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	15514	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	8109	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	16661	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16954	0.40	ng	-0.01
34) Perylene-d12	23.53	264	18098	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	4018	0.39	ng	0.00
5) Phenol-d6	6.86	99	5023	0.39	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3856	0.38	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	8952	0.33	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	1549	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	12233	0.37	ng	-0.02
25) Fluoranthene-d10	19.12	212	16620	0.30	ng	-0.01
29) Terphenyl-d14	19.71	244	11112	0.32	ng	-0.01

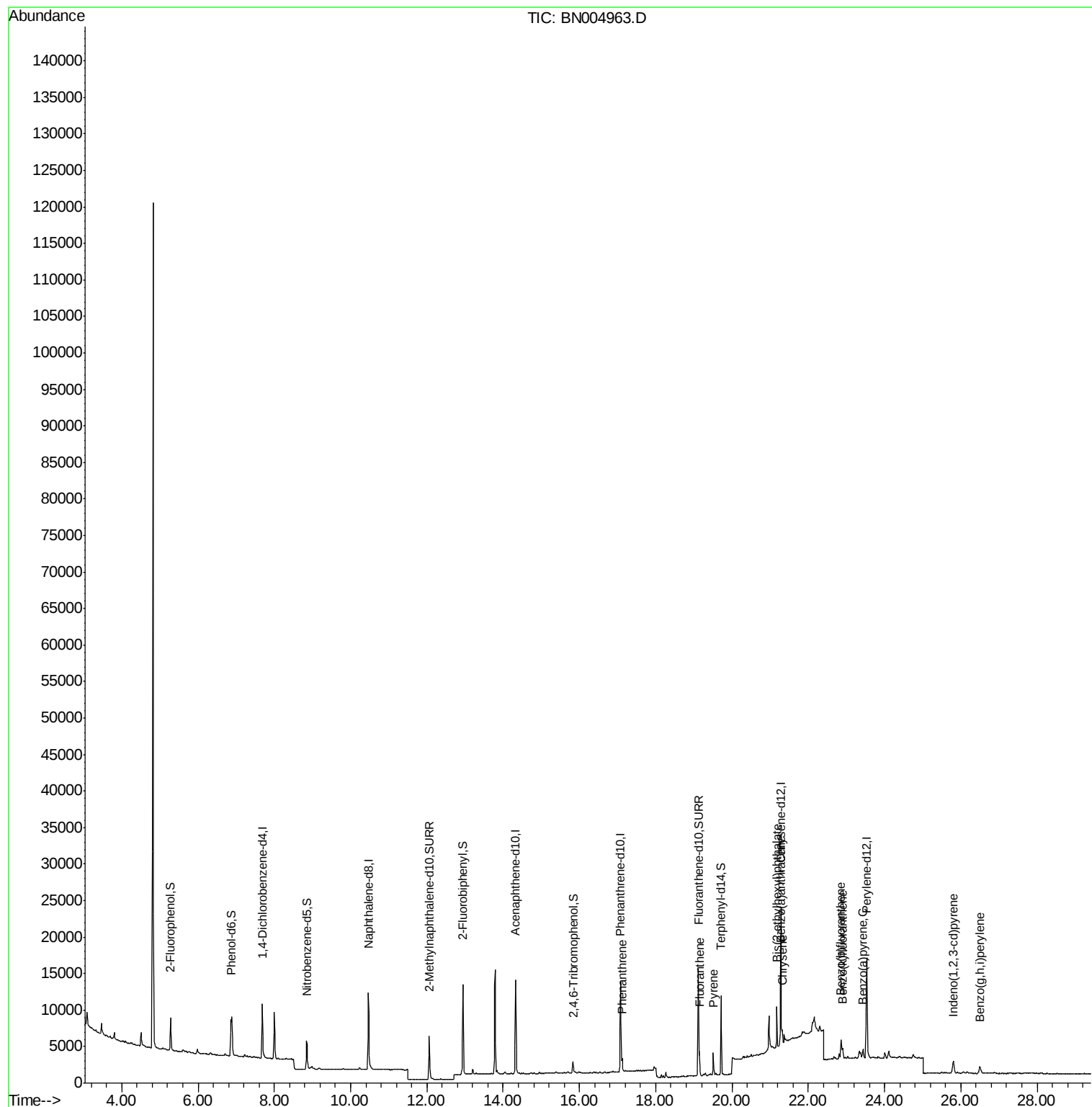
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.12	178	1786	0.033	ng	# 92
26) Fluoranthene	19.15	202	2879	0.042	ng	# 95
28) Pyrene	19.51	202	2750	0.053	ng	# 96
30) Benzo(a)anthracene	21.27	228	1819	0.033	ng	# 72
31) Chrysene	21.32	228	1799	0.031	ng	# 76
32) Bis(2-ethylhexyl)phthalate	21.17	149	5289	0.238	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.80	276	2212	0.026	ng	# 94
35) Benzo(b)fluoranthene	22.86	252	3404	0.052	ng	# 29
36) Benzo(k)fluoranthene	22.90	252	1712m	0.027	ng	
37) Benzo(a)pyrene	23.43	252	1716m	0.029	ng	
39) Benzo(a,h,i)perylene	26.49	276	2004	0.028	ng	# 52

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
Data File : BN004963.D
Acq On : 25 Mar 2019 16:32
Operator : JU/SJ
Sample : K2015-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

Quant Time: Mar 26 01:53:53 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



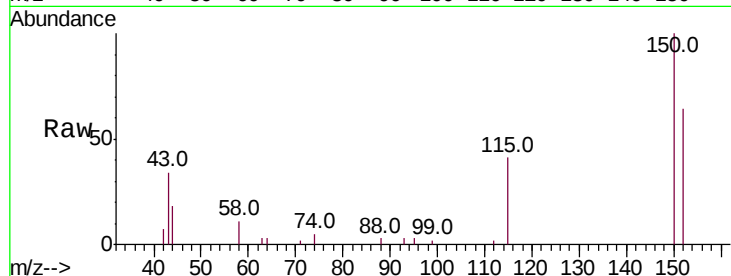


#1

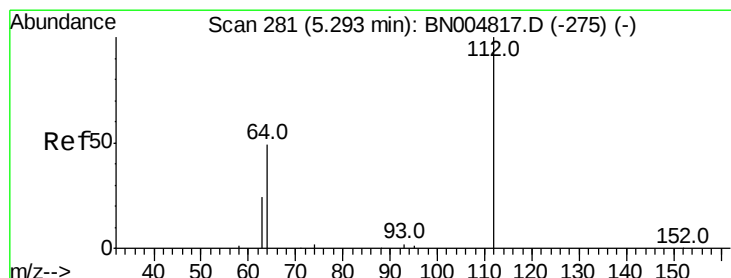
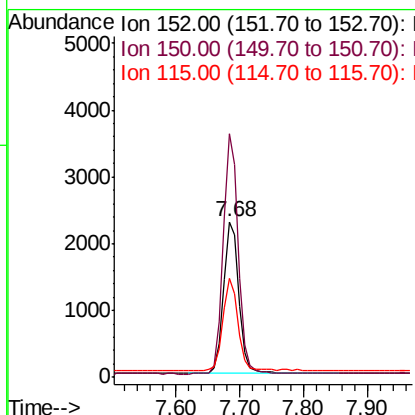
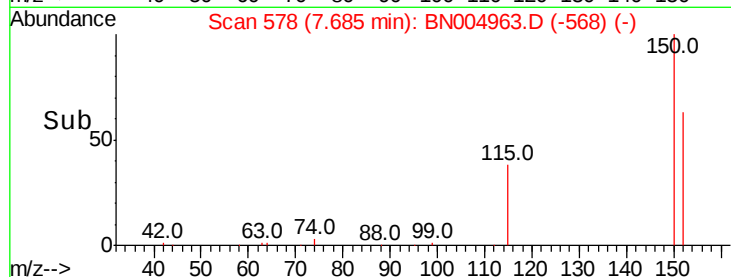
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004963.D
Acq: 25 Mar 2019 16:32

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

Tot Ion:152 Resp: 3777
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.4
115 63.5 52.6 79.0



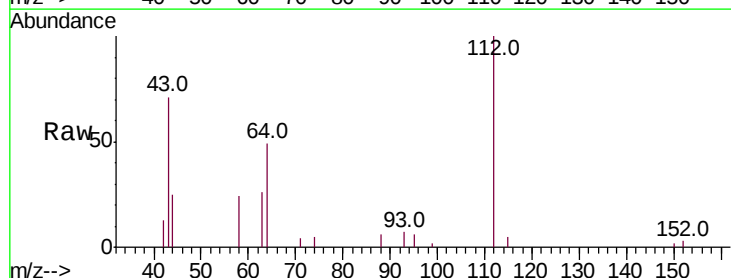
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



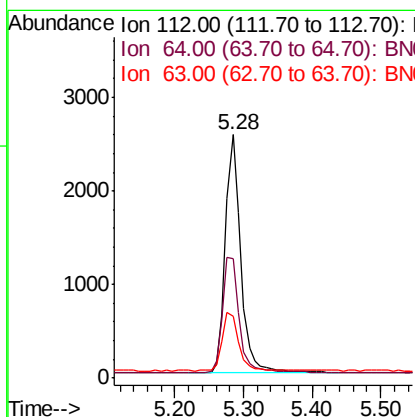
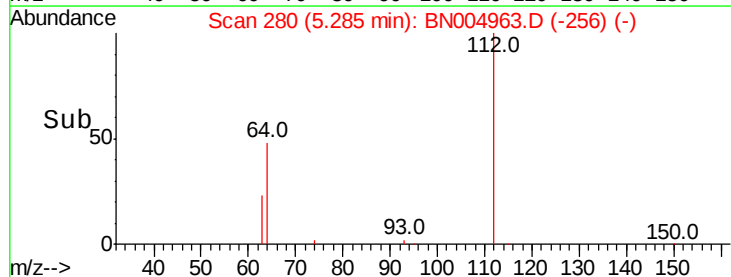
#4

2-Fluorophenol
Concen: 0.391 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004963.D
Acq: 25 Mar 2019 16:32

Tgt Ion:112 Resp: 4018
Ion Ratio Lower Upper
112 100
64 52.2 40.0 60.0
63 26.5 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: 0.393 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW039-031919

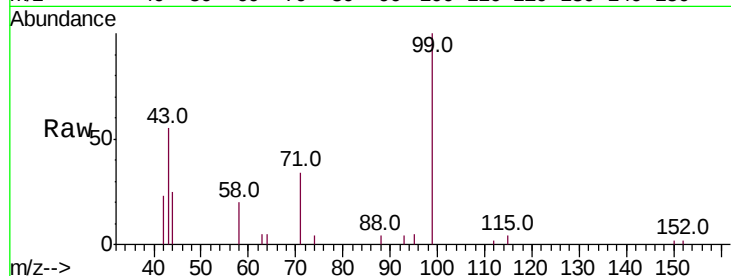
Tot Ion: 99 Resp: 5023

Ion Ratio Lower Upper

99 100

42 20.4 12.7 19.1#

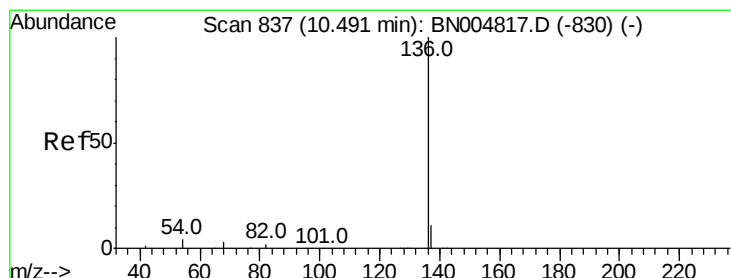
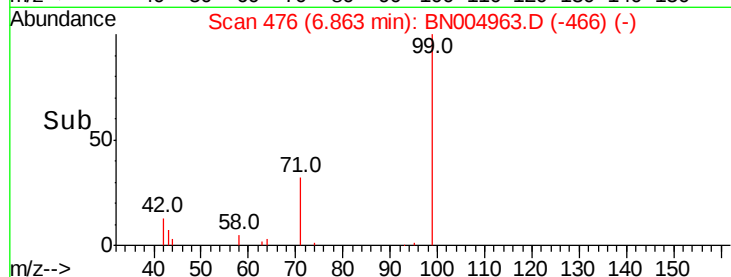
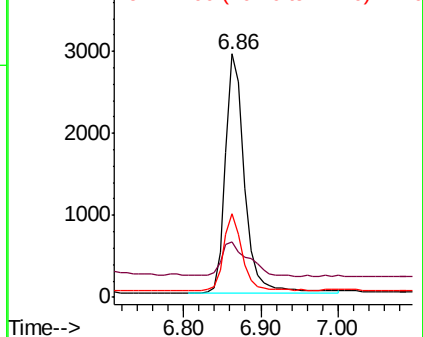
71 31.2 26.6 40.0



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) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

Tgt Ion: 136 Resp: 15514

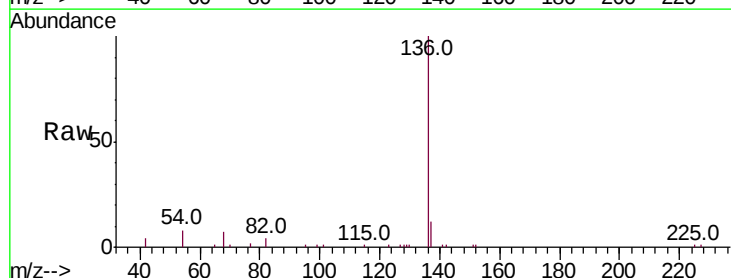
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 7.8 4.2 6.2#

68 6.5 3.9 5.9#

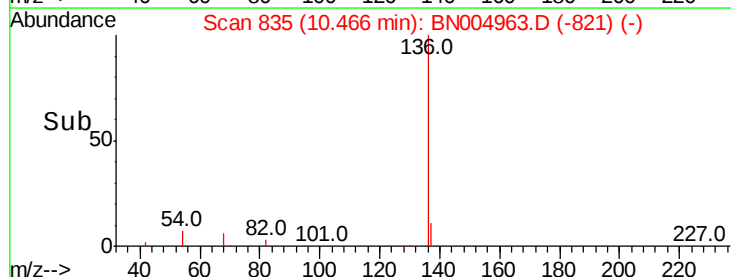
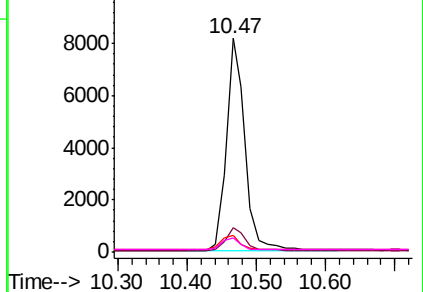


Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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) (-)





#8

Nitrobenzene-d5

Concen: 0.376 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW039-031919

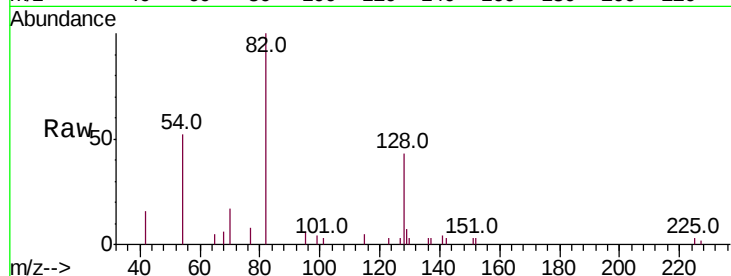
Tot Ion: 82 Resp: 3856

Ion Ratio Lower Upper

82 100

128 43.0 43.0 64.6#

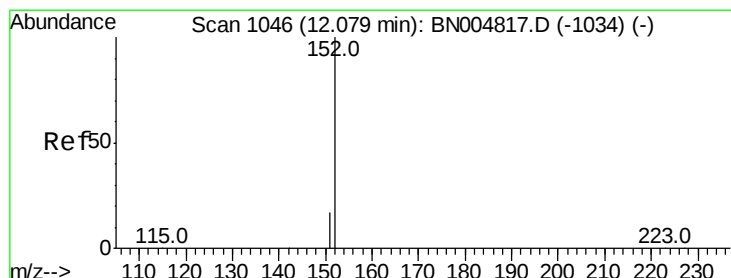
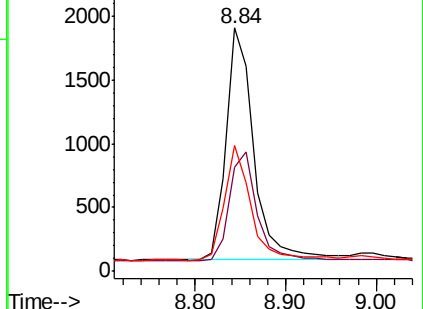
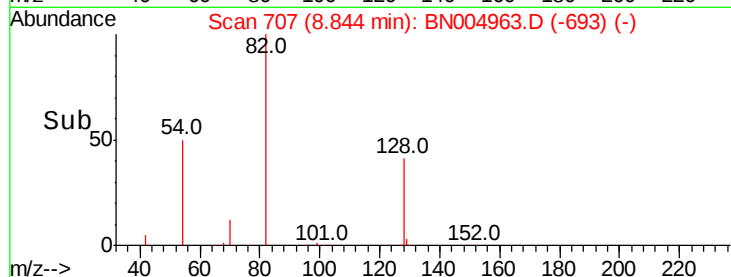
54 51.9 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004963.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004963.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004963.D (-693) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.331 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004963.D

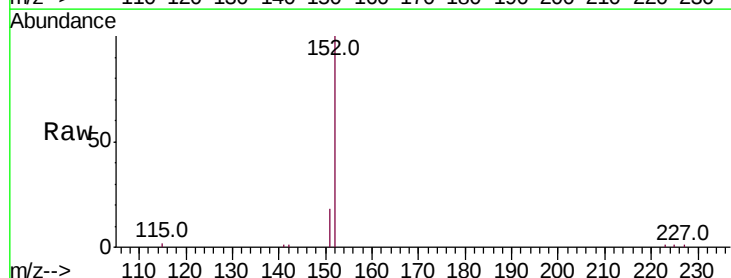
Acq: 25 Mar 2019 16:32

Tgt Ion: 152 Resp: 8952

Ion Ratio Lower Upper

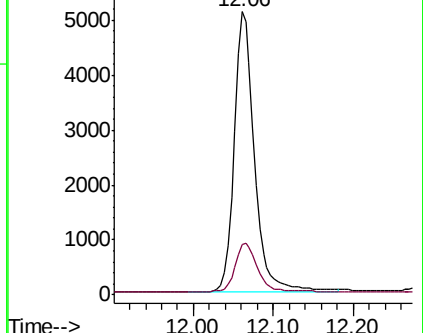
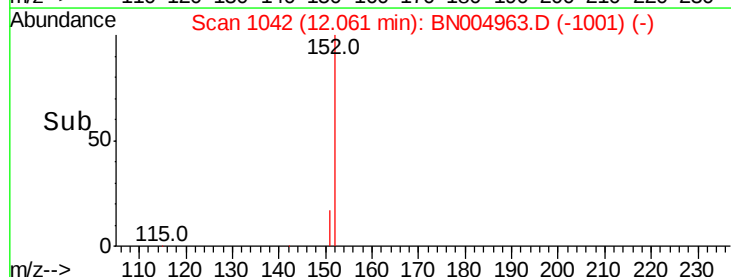
152 100

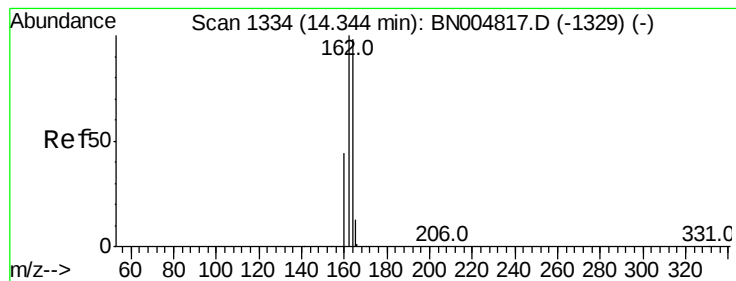
151 19.7 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004963.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004963.D (-1001) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW039-031919

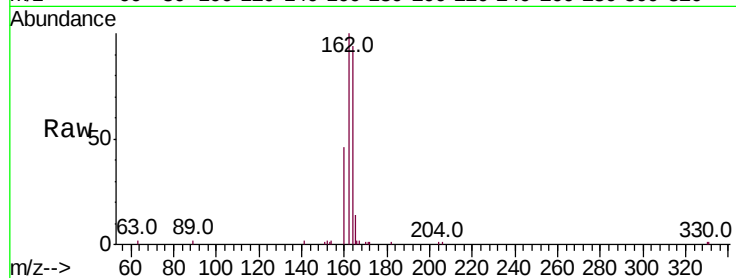
Tot Ion:164 Resp: 8109

Ion Ratio Lower Upper

164 100

162 106.2 81.9 122.9

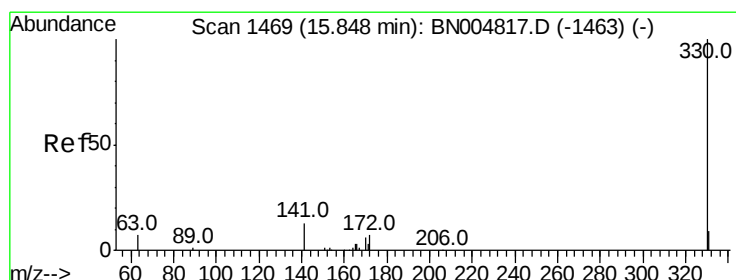
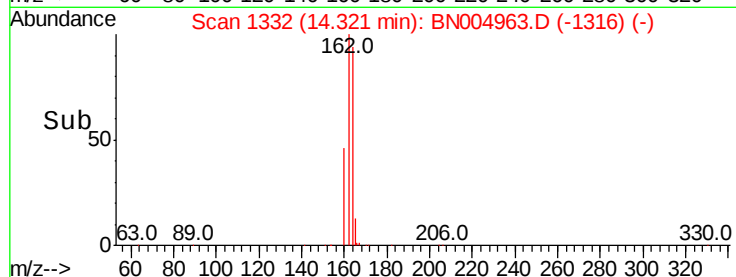
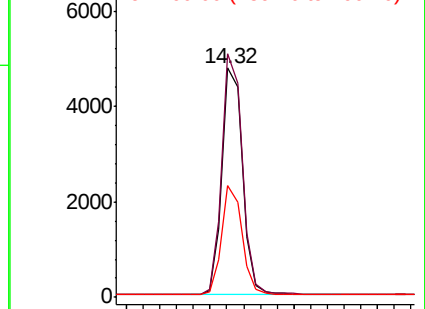
160 48.9 36.6 54.8



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: 0.277 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

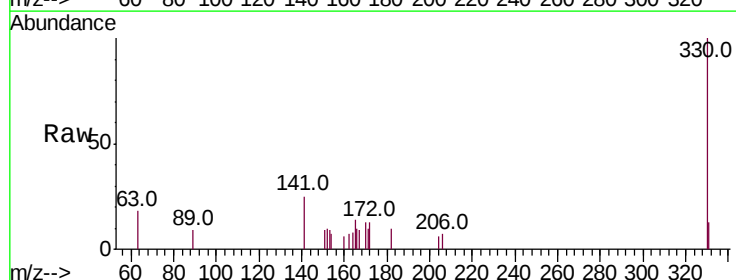
Tgt Ion:330 Resp: 1549

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

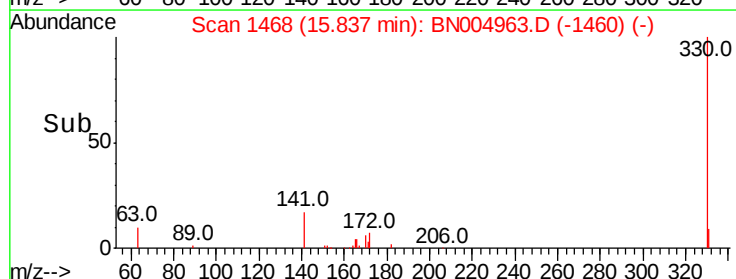
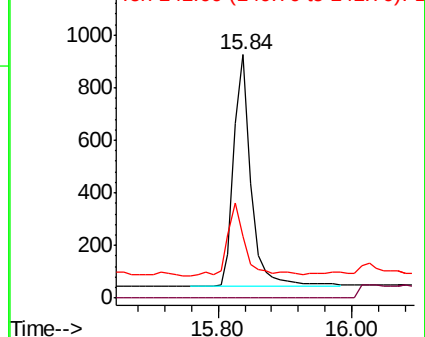
141 32.7 20.9 31.3#

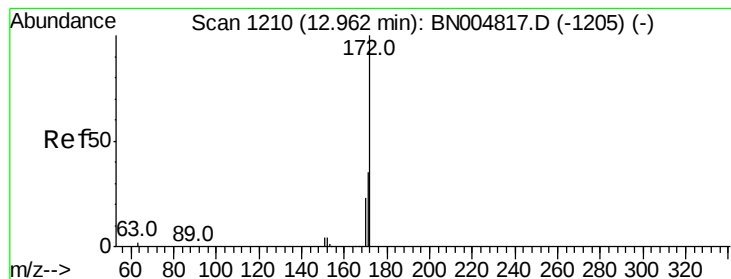


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.365 ng

RT: 12.94 min Scan# 1208

Delta R.T. -0.02 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW039-031919

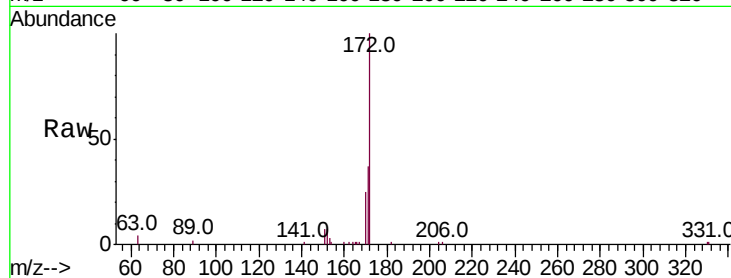
Tot Ion:172 Resp: 12233

Ion Ratio Lower Upper

172 100

171 36.5 28.7 43.1

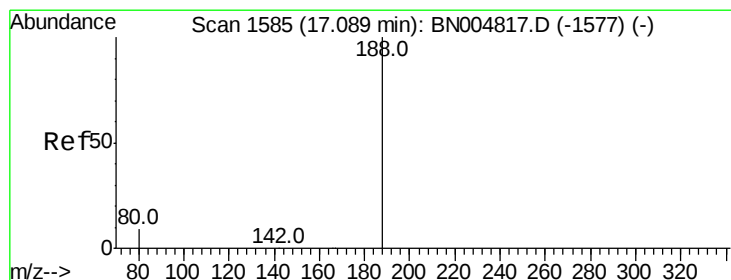
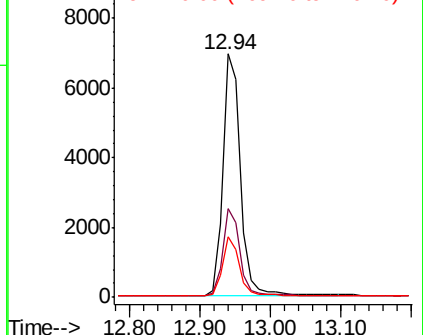
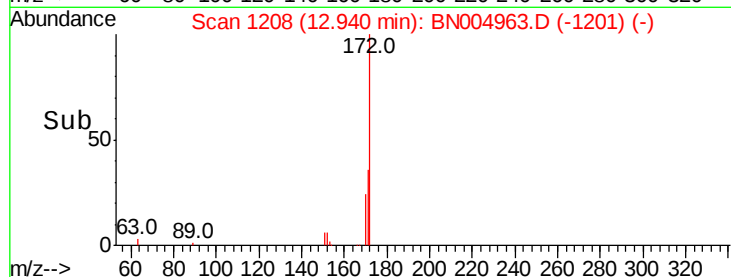
170 24.9 18.7 28.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

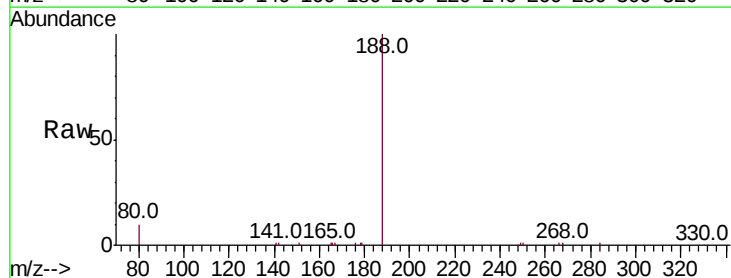
Tgt Ion:188 Resp: 16661

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

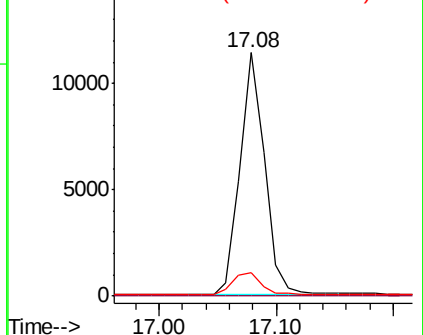
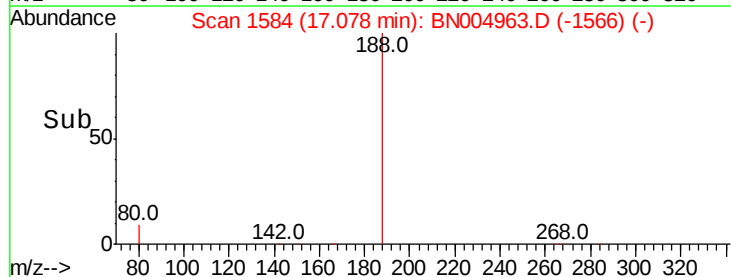
80 9.6 7.4 11.2

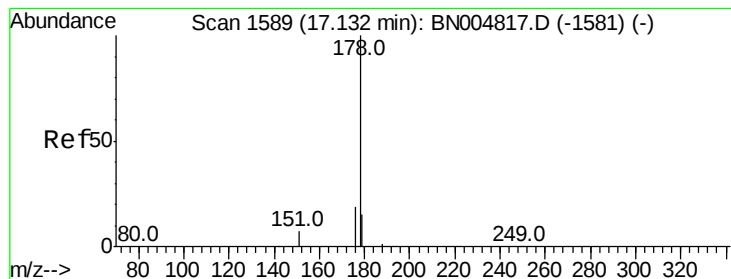


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.033 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW039-031919

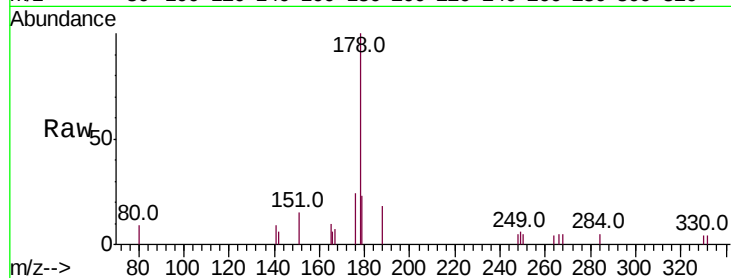
Tot Ion:178 Resp: 1786

Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

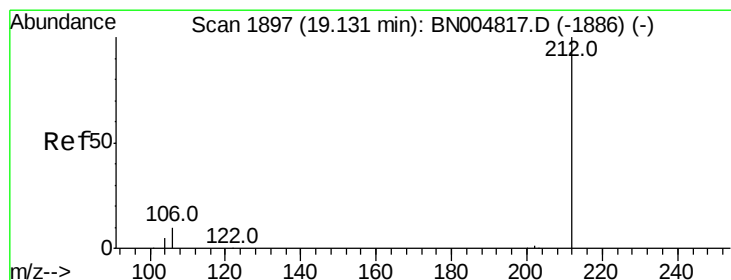
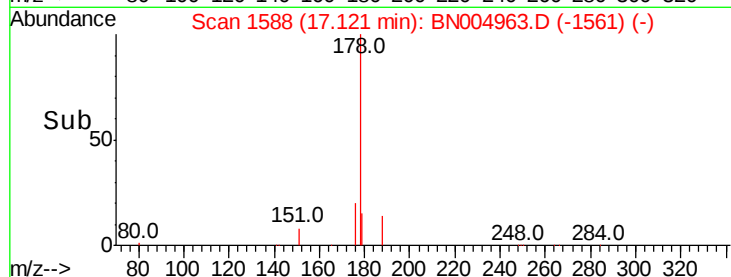
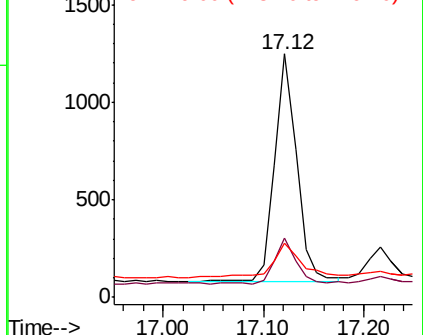
179 21.4 12.1 18.1#



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: 0.298 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

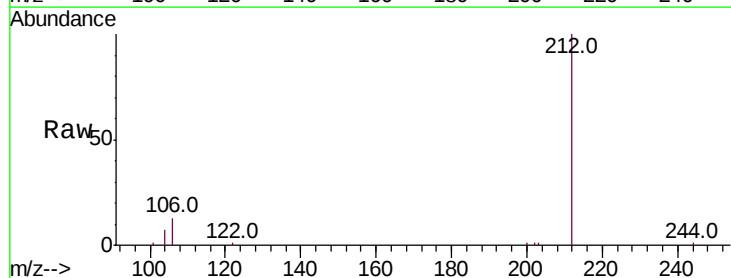
Tgt Ion:212 Resp: 16620

Ion Ratio Lower Upper

212 100

106 12.3 8.6 13.0

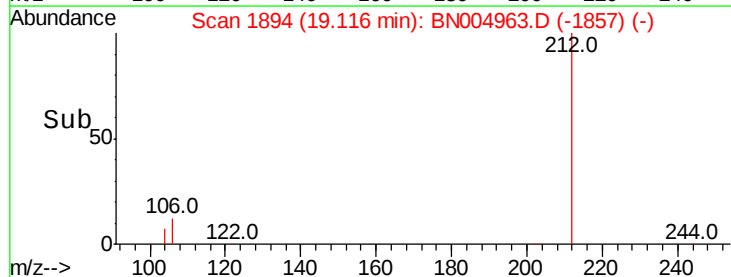
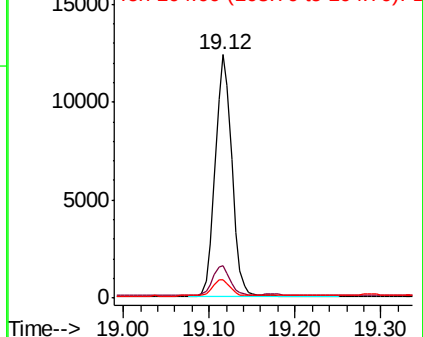
104 7.3 4.7 7.1#

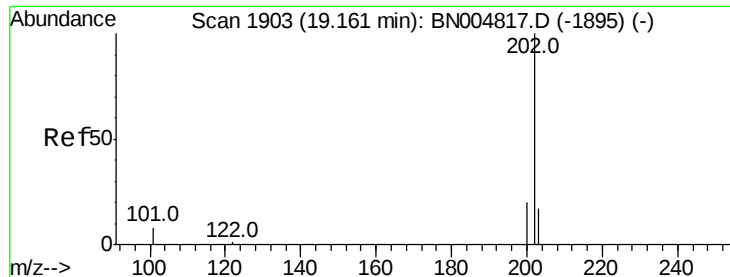


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

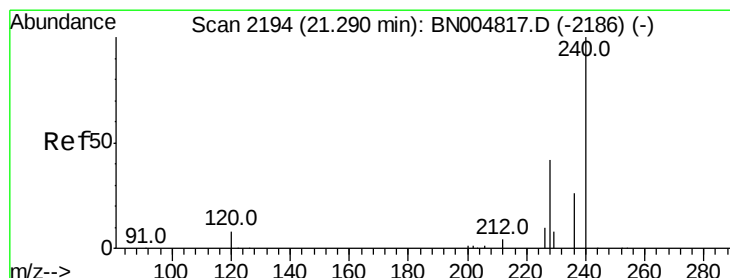
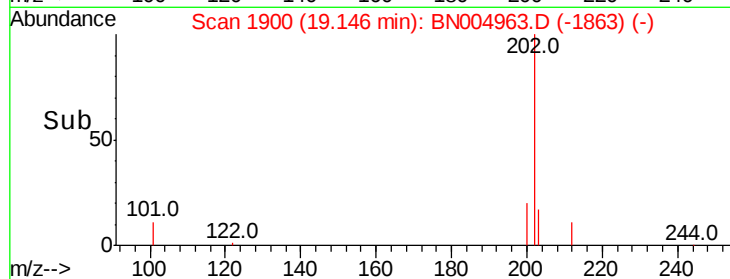
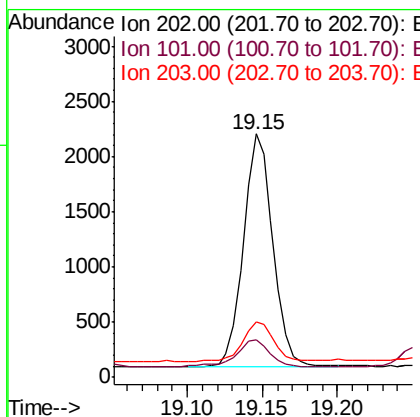
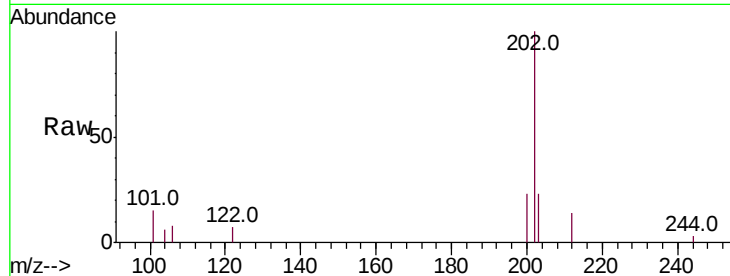




#26
 Fluoranthene
 Concen: 0.042 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004963.D
 Acq: 25 Mar 2019 16:32

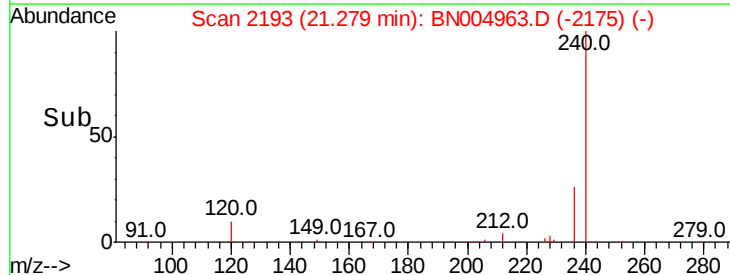
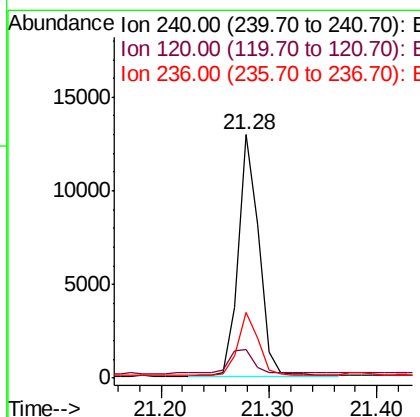
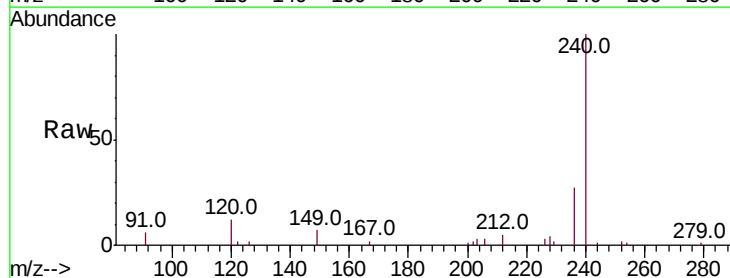
Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW039-031919

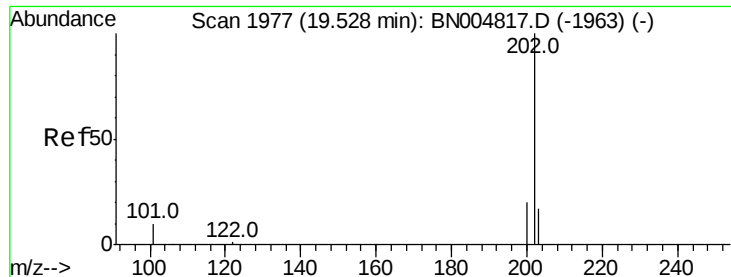
Tot Ion:202 Resp: 2879
 Ion Ratio Lower Upper
 202 100
 101 13.6 7.5 11.3#
 203 18.0 13.8 20.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004963.D
 Acq: 25 Mar 2019 16:32

Tgt Ion:240 Resp: 16954
 Ion Ratio Lower Upper
 240 100
 120 11.9 7.2 10.8#
 236 27.0 20.9 31.3

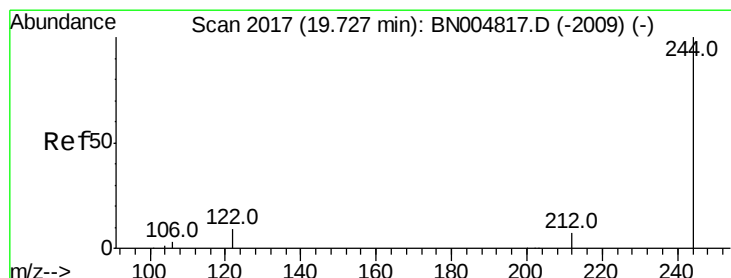
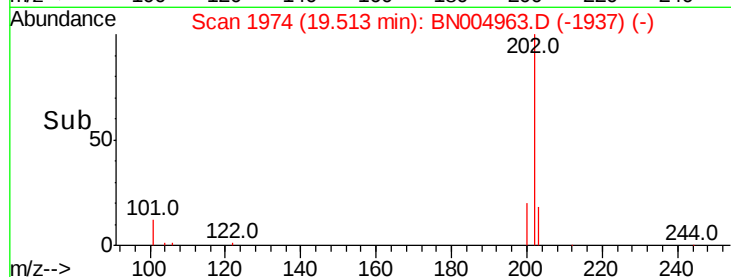
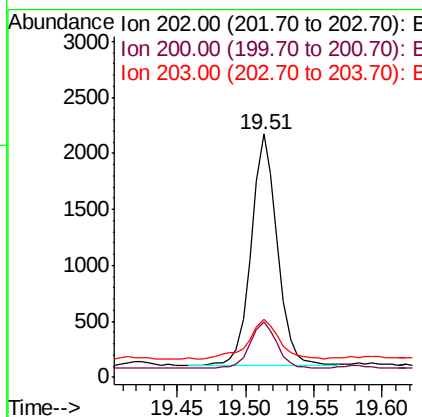
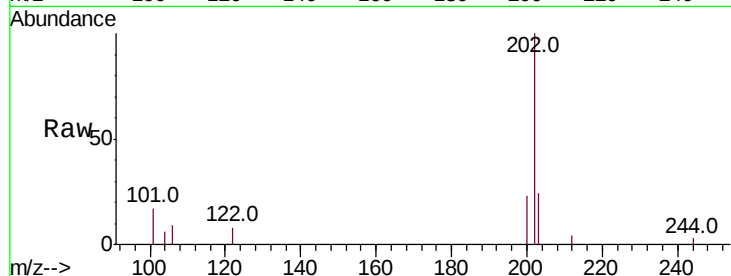




#28
Pvrene
Concen: 0.053 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004963.D
Acq: 25 Mar 2019 16:32

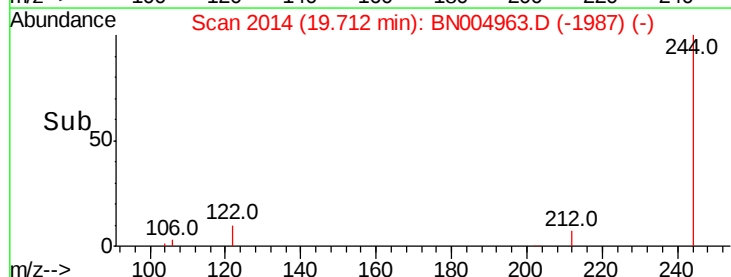
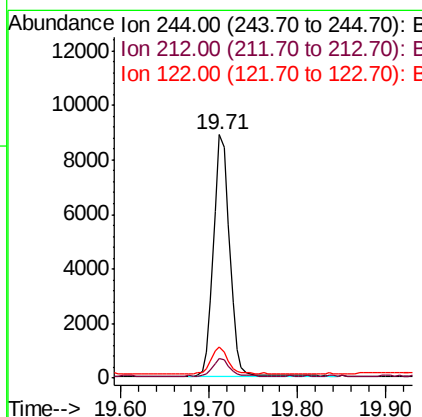
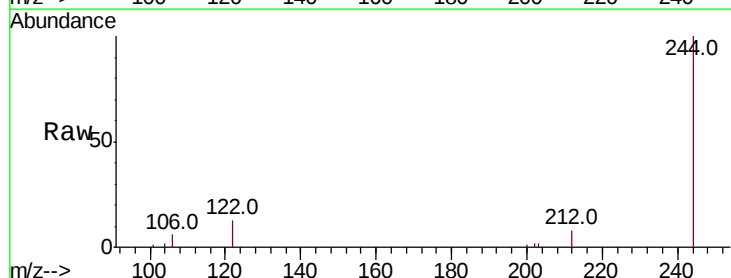
Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

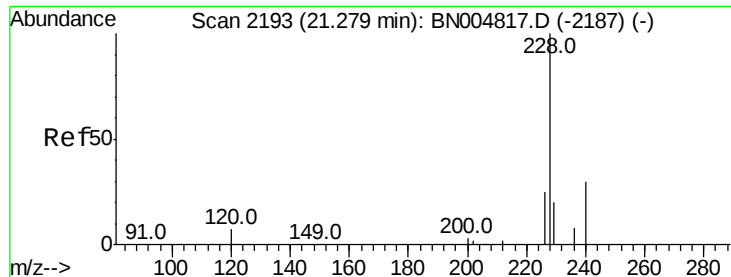
Tot Ion:202 Resp: 2750
Ion Ratio Lower Upper
202 100
200 21.3 16.3 24.5
203 20.0 14.0 21.0



#29
Terphenyl-d14
Concen: 0.320 ng
RT: 19.71 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BN004963.D
Acq: 25 Mar 2019 16:32

Tgt Ion:244 Resp: 11112
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.6
122 12.7 7.9 11.9#

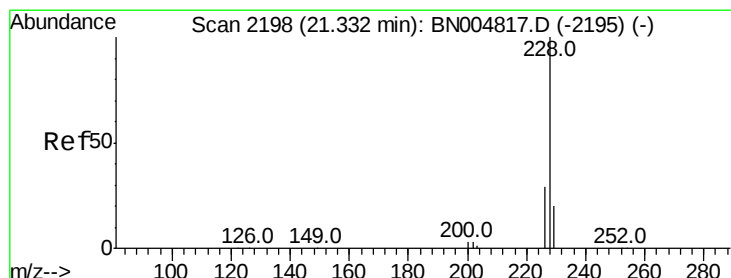
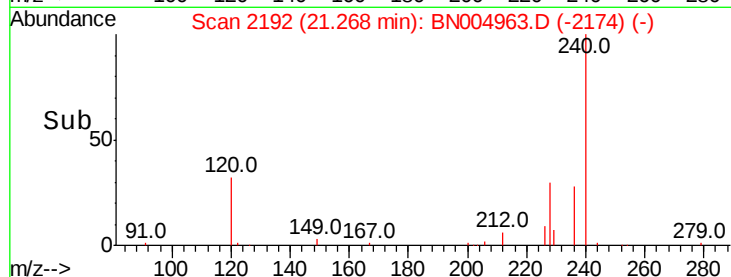
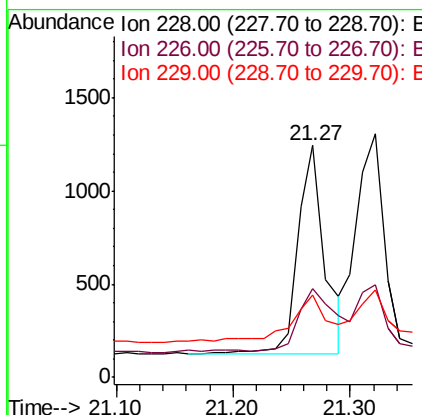
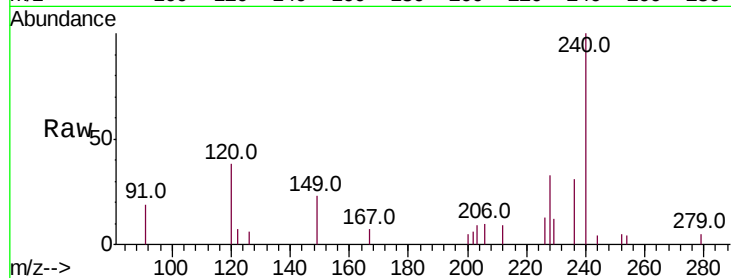




#30
Benzo(a)anthracene
Concen: 0.033 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004963.D
Acq: 25 Mar 2019 16:32

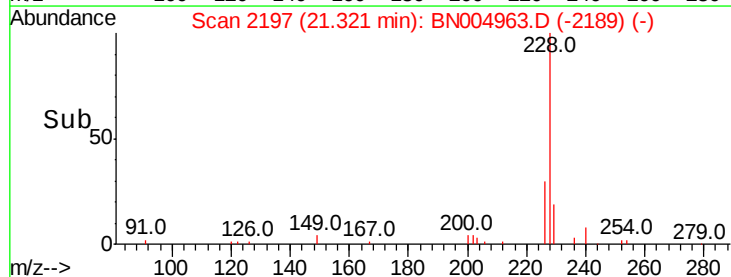
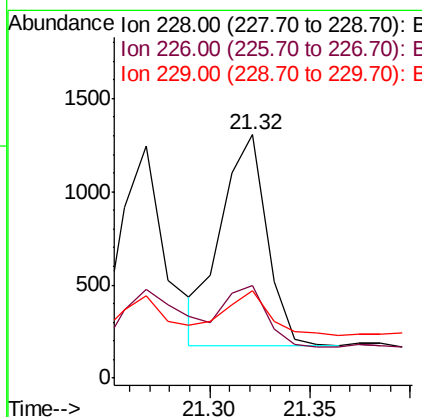
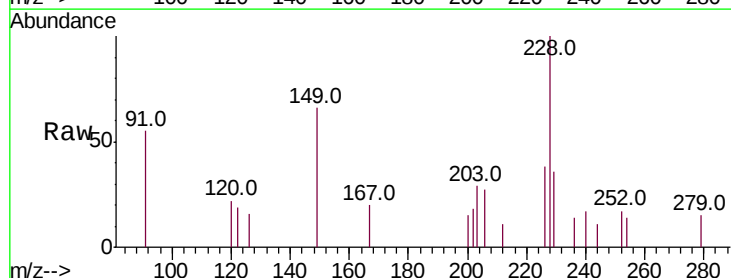
Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

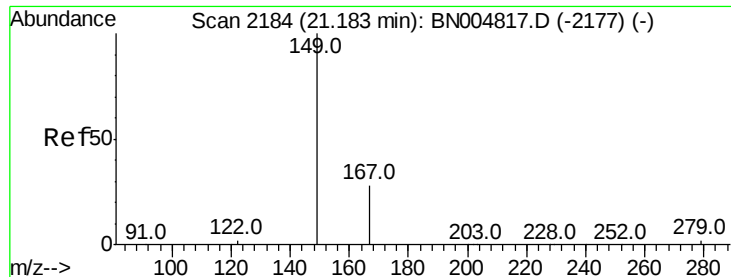
Tot Ion:228 Resp: 1819
Ion Ratio Lower Upper
228 100
226 38.5 20.6 31.0#
229 35.3 16.2 24.4#



#31
Chrysene
Concen: 0.031 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004963.D
Acq: 25 Mar 2019 16:32

Tgt Ion:228 Resp: 1799
Ion Ratio Lower Upper
228 100
226 38.3 23.0 34.6#
229 35.8 16.2 24.2#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.238 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW039-031919

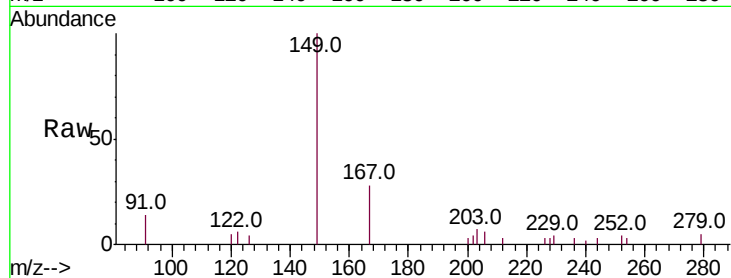
Tot Ion:149 Resp: 5289

Ion Ratio Lower Upper

149 100

167 27.8 23.0 34.4

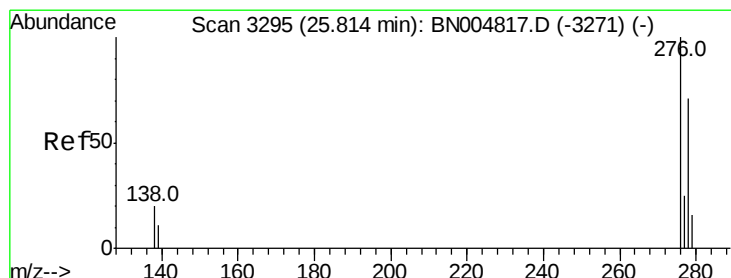
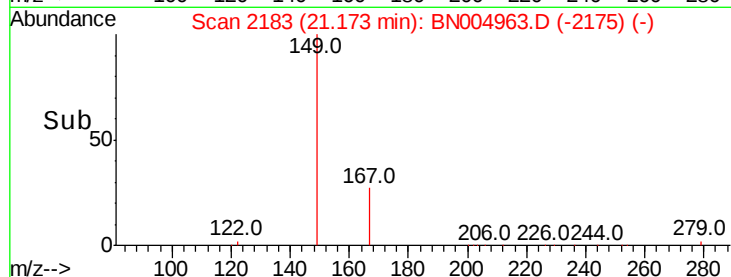
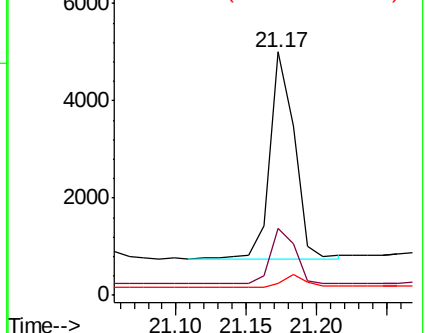
279 5.5 4.6 6.8



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: 0.026 ng

RT: 25.80 min Scan# 3292

Delta R.T. -0.01 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

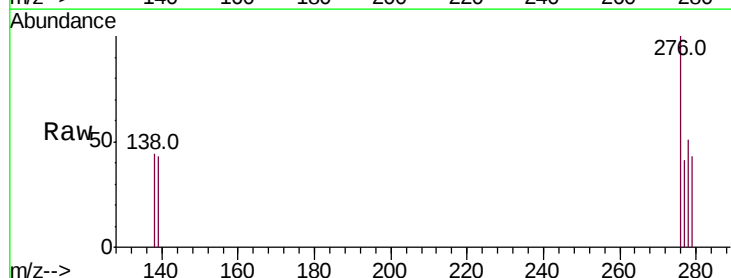
Tgt Ion:276 Resp: 2212

Ion Ratio Lower Upper

276 100

138 25.0 16.6 24.8#

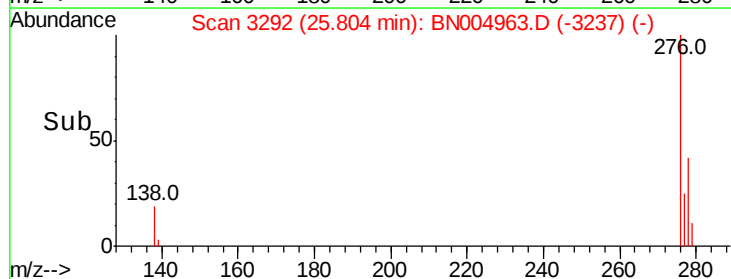
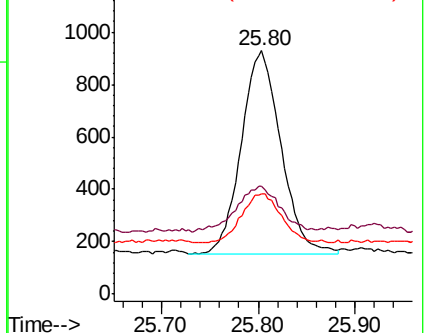
277 24.0 20.3 30.5

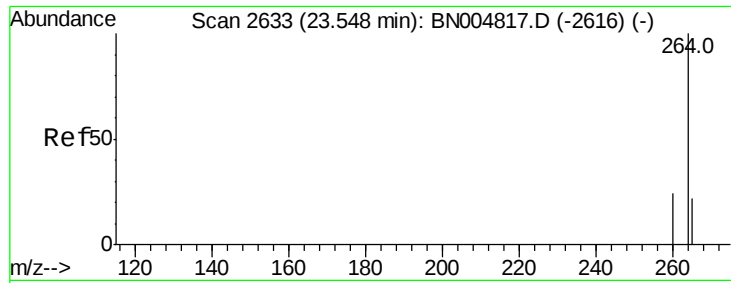


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

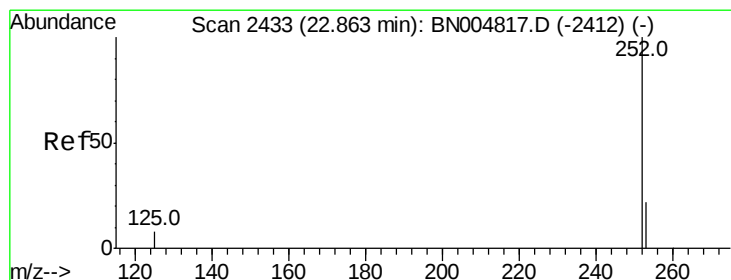
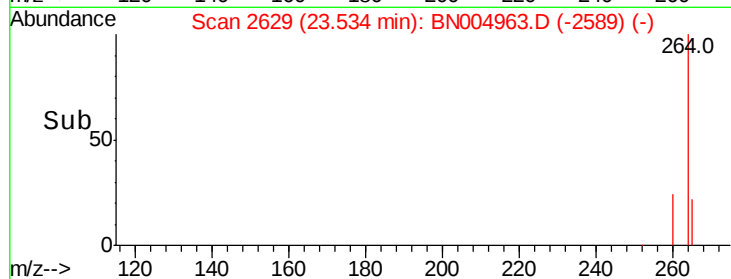
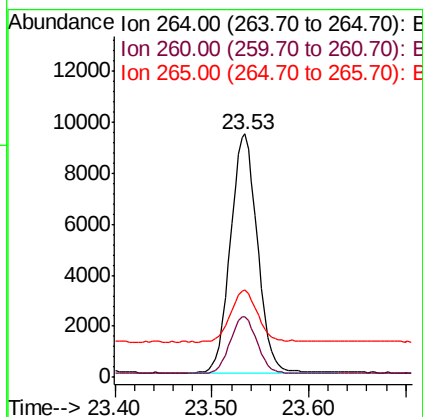
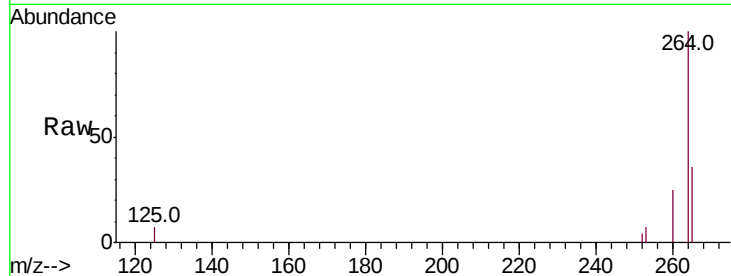




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BN004963.D
Acq: 25 Mar 2019 16:32

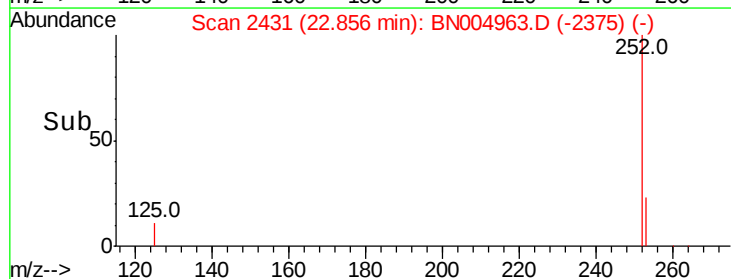
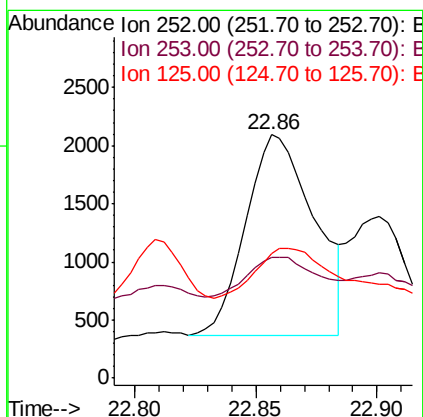
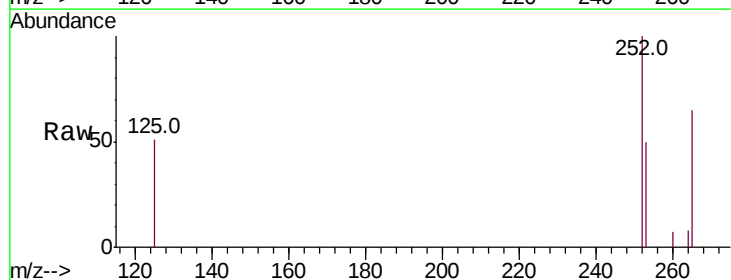
Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

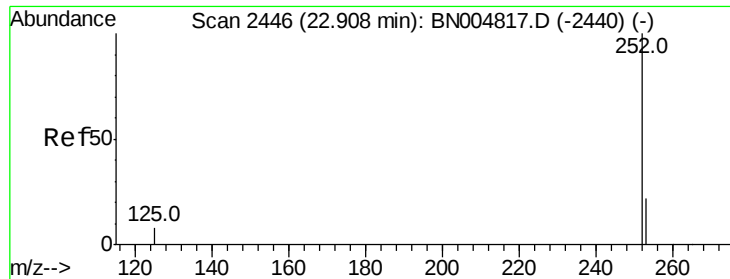
Tot Ion:264 Resp: 18098
Ion Ratio Lower Upper
264 100
260 25.1 19.5 29.3
265 36.1 23.1 34.7#



#35
Benzo(b)fluoranthene
Concen: 0.052 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN004963.D
Acq: 25 Mar 2019 16:32

Tgt Ion:252 Resp: 3404
Ion Ratio Lower Upper
252 100
253 49.8 19.0 28.4#
125 51.2 7.4 11.2#





#36

Benzo(k)fluoranthene

Concen: 0.027 ng m

RT: 22.90 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW039-031919

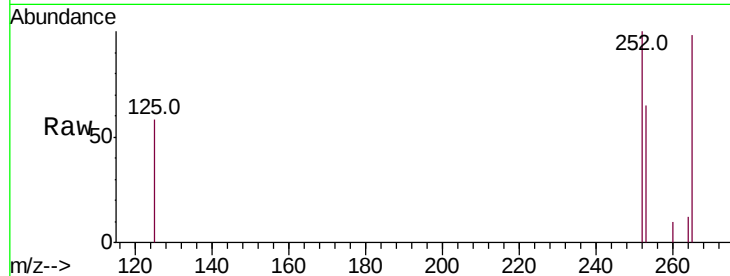
Tot Ion:252 Resp: 1712

Ion Ratio Lower Upper

252 100

253 64.9 19.3 28.9#

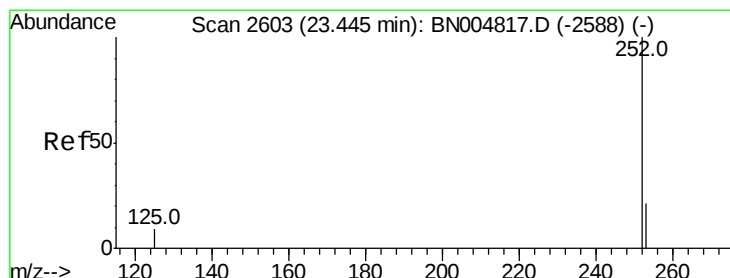
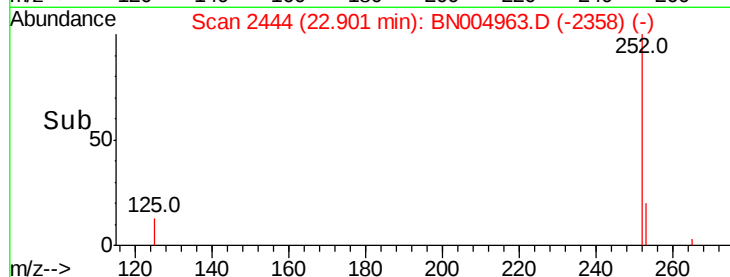
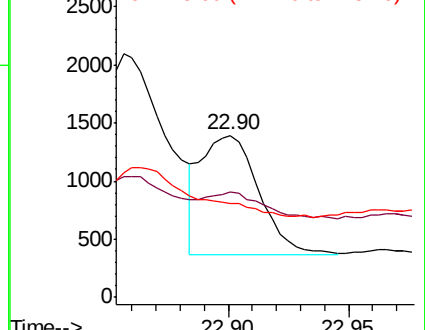
125 57.8 7.4 11.0#



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



#37

Benzo(a)pyrene

Concen: 0.029 ng m

RT: 23.43 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

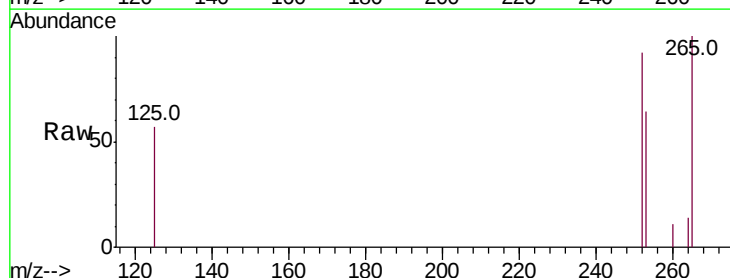
Tgt Ion:252 Resp: 1716

Ion Ratio Lower Upper

252 100

253 69.2 19.7 29.5#

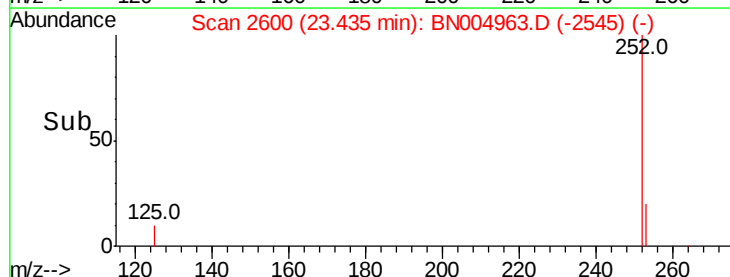
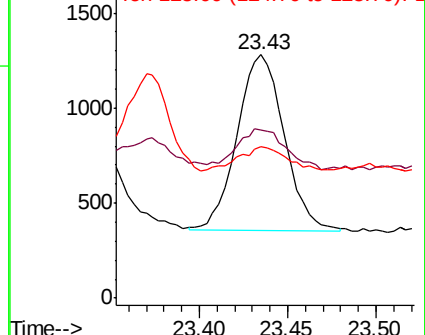
125 62.0 8.3 12.5#

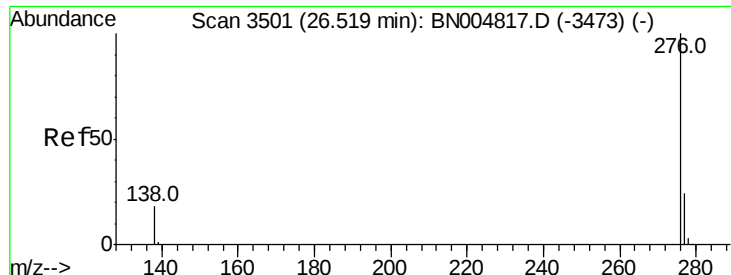


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.028 ng

RT: 26.49 min Scan# 3494

Delta R.T. -0.02 min

Lab File: BN004963.D

Acq: 25 Mar 2019 16:32

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW039-031919

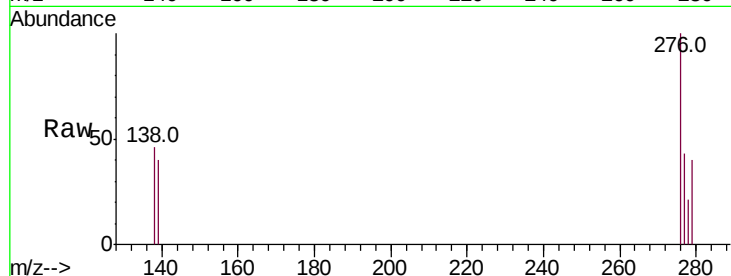
Tot Ion: 276 Resp: 2004

Ion Ratio Lower Upper

276 100

277 43.3 19.7 29.5#

138 45.7 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

