

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032519\
 Data File : BN004960.D
 Acq On : 25 Mar 2019 14:46
 Operator : JU/SJ
 Sample : K1948-14RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW046-031319

Quant Time: Mar 26 01:17:39 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	3633	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	14122	0.40	ng	-0.03
13) Acenaphthene-d10	14.33	164	6801	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	13856	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16175	0.40	ng	-0.01
34) Perylene-d12	23.53	264	17833	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3830	0.39	ng	0.00
5) Phenol-d6	6.86	99	4696	0.38	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3680	0.39	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7757	0.31	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	1357	0.29	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	10193	0.36	ng	-0.02
25) Fluoranthene-d10	19.12	212	13969	0.30	ng	-0.01
29) Terphenyl-d14	19.72	244	8778	0.27	ng	0.00

Target Compounds

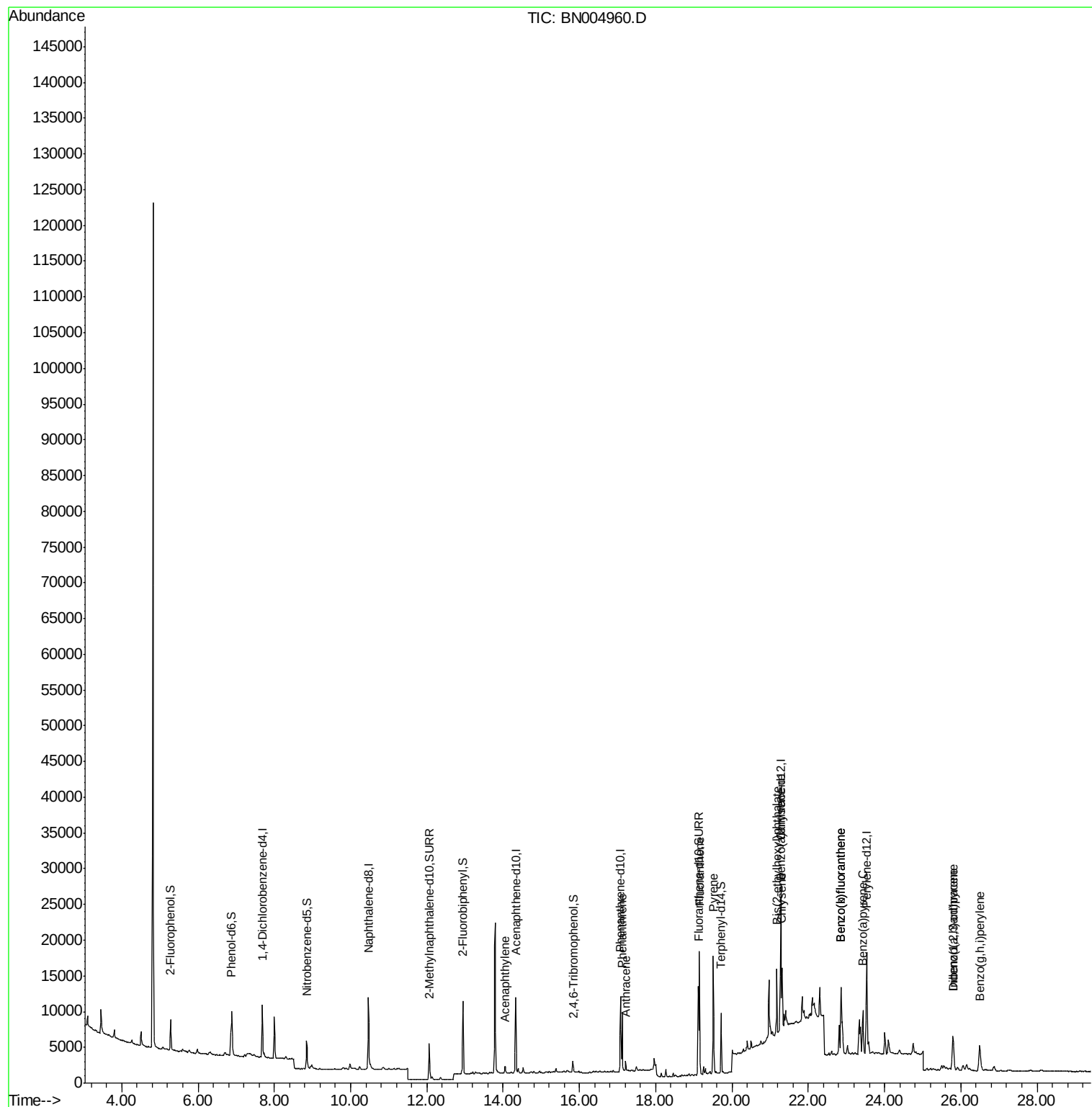
						Qvalue
16) Acenaphthylene	14.05	152	1335	0.038	ng	94
23) Phenanthrene	17.12	178	8235	0.184	ng	98
24) Anthracene	17.22	178	1746	0.044	ng	98
26) Fluoranthene	19.15	202	15328	0.267	ng	# 97
28) Pyrene	19.51	202	14917	0.302	ng	# 96
30) Benzo(a)anthracene	21.27	228	8312	0.157	ng	# 86
31) Chrysene	21.31	228	8598	0.154	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.17	149	9558	0.451	ng	98
33) Indeno(1,2,3-cd)pyrene	25.80	276	7206	0.089	ng	96
35) Benzo(b)fluoranthene	22.86	252	12707	0.197	ng	# 62
36) Benzo(k)fluoranthene	22.86	252	12707	0.200	ng	# 63
37) Benzo(a)pyrene	23.43	252	8225	0.139	ng	# 68
38) Dibenzo(a,h)anthracene	25.80	278	2290	0.033	ng	# 2
39) Benzo(g,h,i)perylene	26.50	276	7472	0.107	ng	# 81

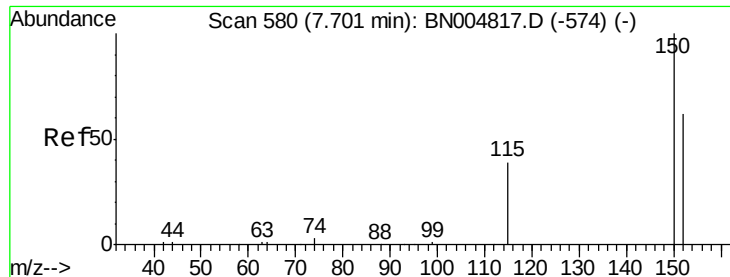
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.68 min Scan# 578

Delta R.T. -0.02 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

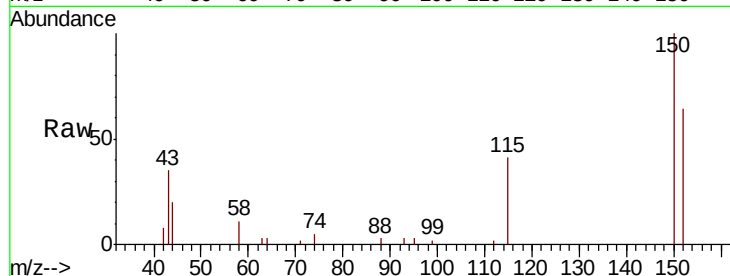
Tgt Ion:152 Resp: 3633

Ion Ratio Lower Upper

152 100

150 156.6 126.2 189.4

115 64.4 52.6 79.0

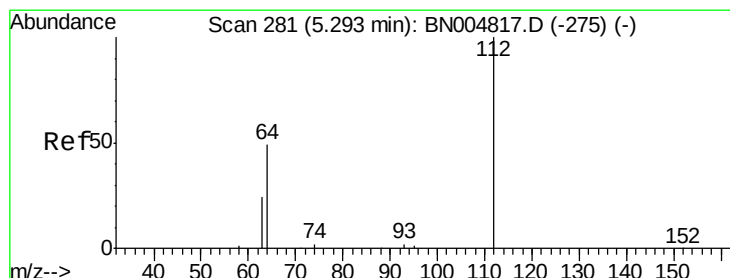
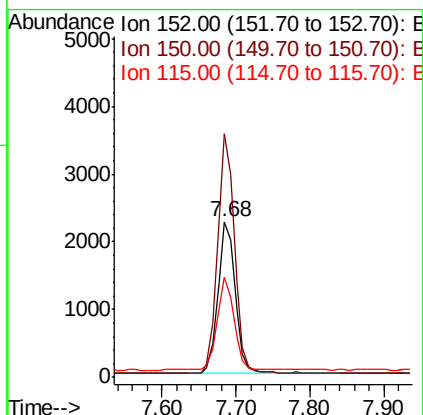
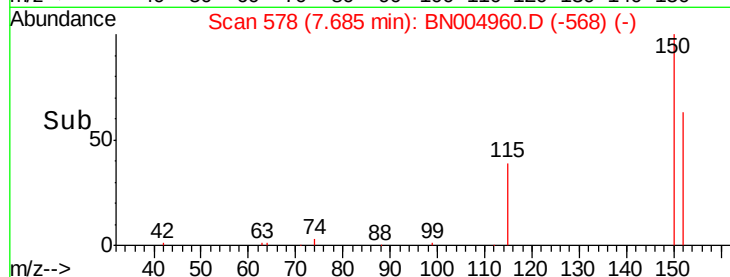


Abundance

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: 0.388 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

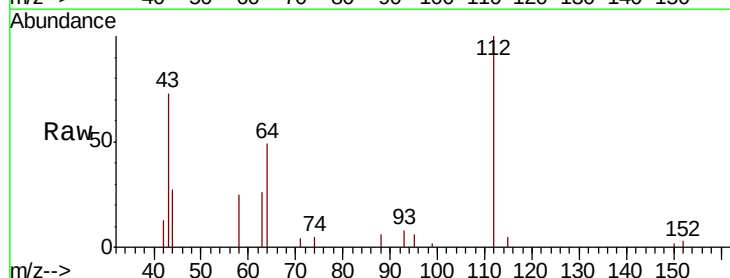
Tgt Ion:112 Resp: 3830

Ion Ratio Lower Upper

112 100

64 52.8 40.0 60.0

63 26.3 20.2 30.2

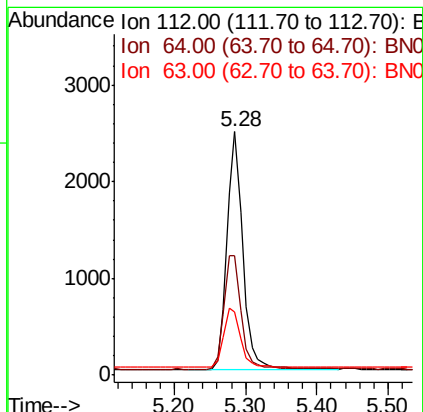
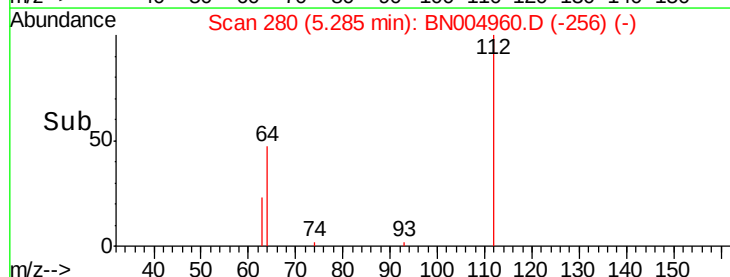


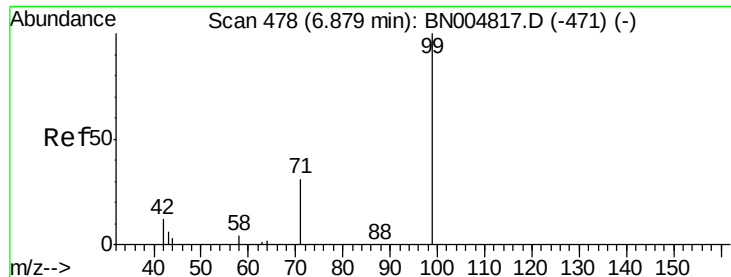
Abundance

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: 0.382 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

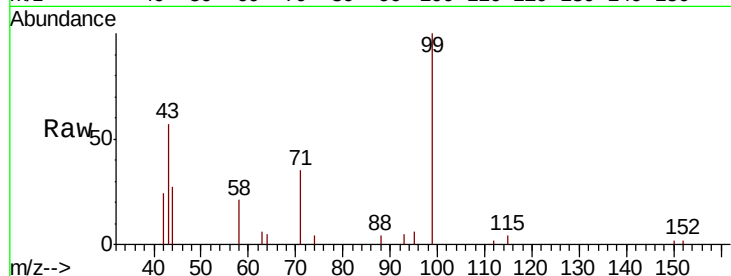
Tgt Ion: 99 Resp: 4696

Ion Ratio Lower Upper

99 100

42 22.4 12.7 19.1#

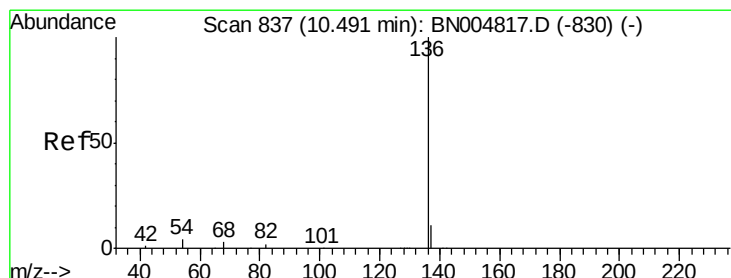
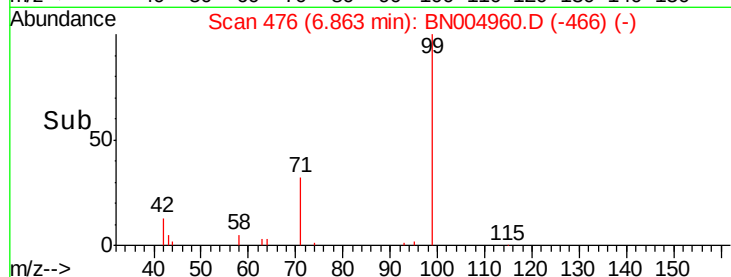
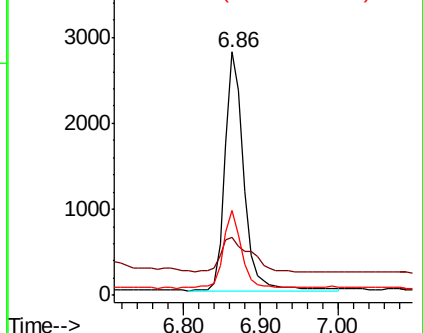
71 31.8 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BN004960.D (-466) (-)

Ion 42.00 (41.70 to 42.70): BN004960.D (-466) (-)

Ion 71.00 (70.70 to 71.70): BN004960.D (-466) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Tgt Ion: 136 Resp: 14122

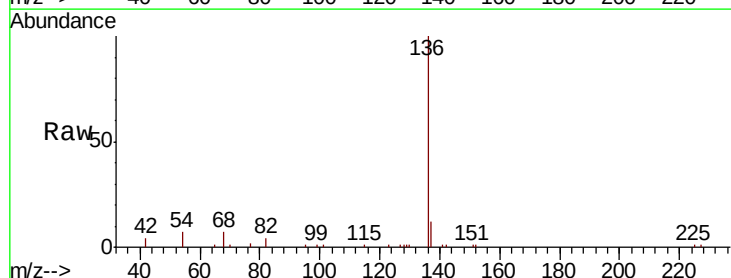
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 7.4 4.2 6.2#

68 6.6 3.9 5.9#

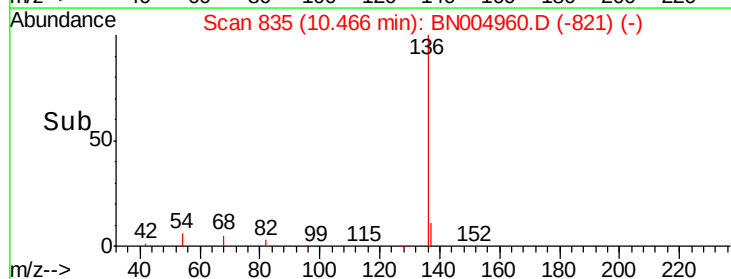
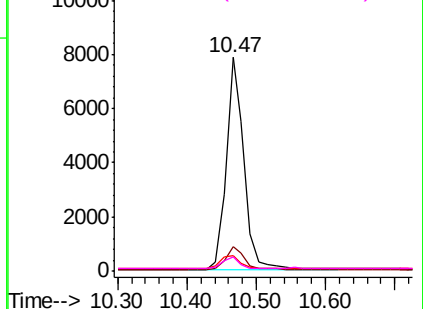


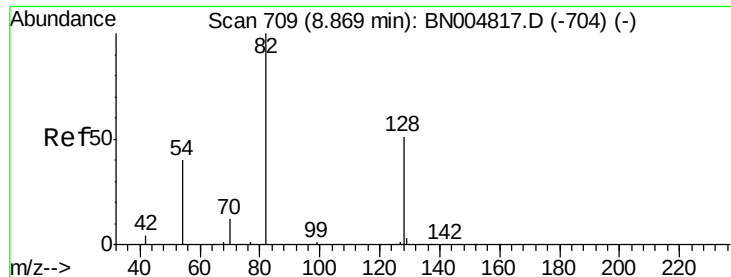
Abundance Ion 136.00 (135.70 to 136.70): BN004960.D (-821) (-)

Ion 137.00 (136.70 to 137.70): BN004960.D (-821) (-)

Ion 54.00 (53.70 to 54.70): BN004960.D (-821) (-)

Ion 68.00 (67.70 to 68.70): BN004960.D (-821) (-)





#8

Nitrobenzene-d5

Concen: 0.394 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

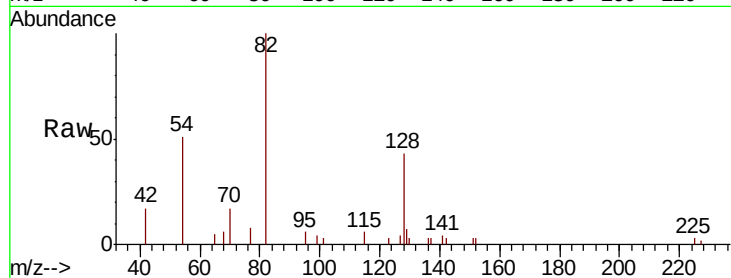
Tgt Ion: 82 Resp: 3680

Ion Ratio Lower Upper

82 100

128 42.9 43.0 64.6#

54 50.8 35.3 52.9



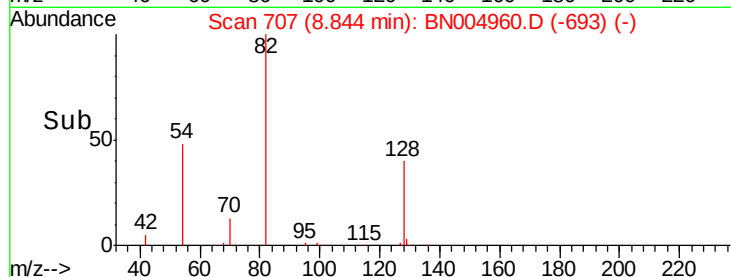
Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

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

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

8.84

Time-->



Abundance

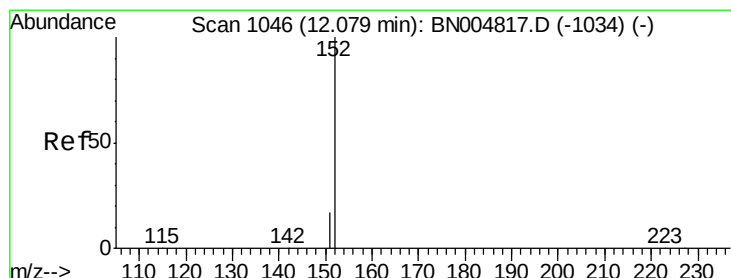
Ion 82.00 (81.70 to 82.70): BN004960.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004960.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004960.D (-693) (-)

8.84

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.315 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004960.D

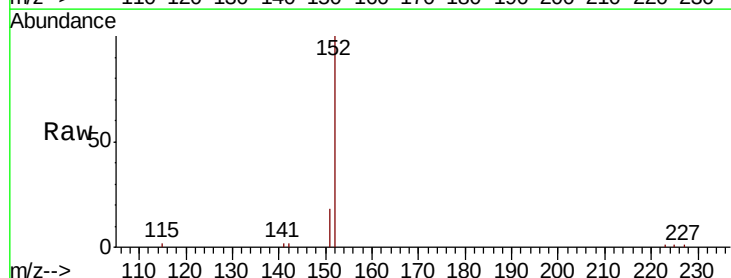
Acq: 25 Mar 2019 14:46

Tgt Ion: 152 Resp: 7757

Ion Ratio Lower Upper

152 100

151 19.4 15.5 23.3

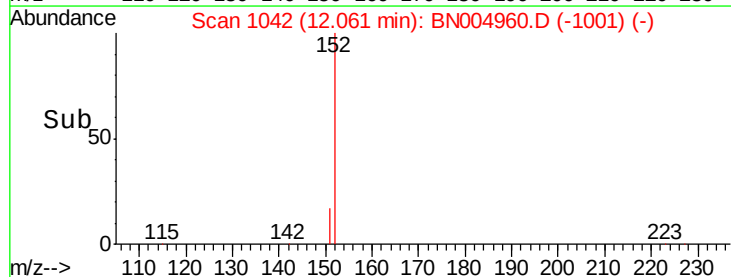


Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

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

12.06

Time-->



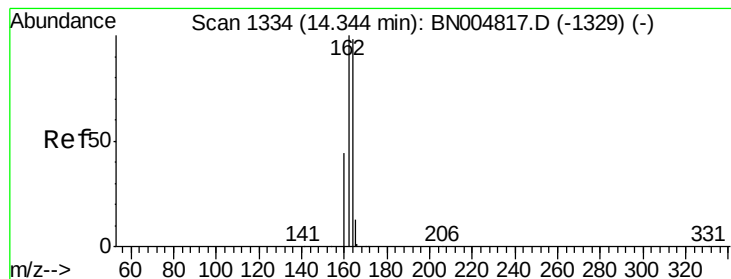
Abundance

Ion 152.00 (151.70 to 152.70): BN004960.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004960.D (-1001) (-)

12.06

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

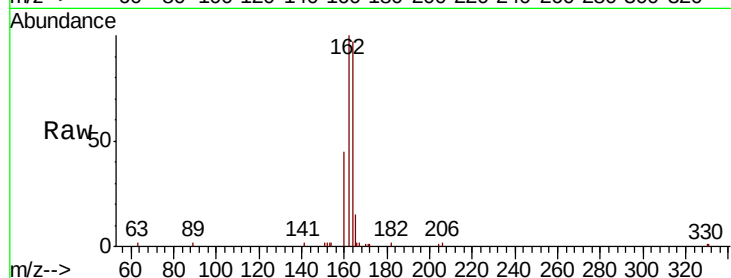
Tgt Ion:164 Resp: 6801

Ion Ratio Lower Upper

164 100

162 102.8 81.9 122.9

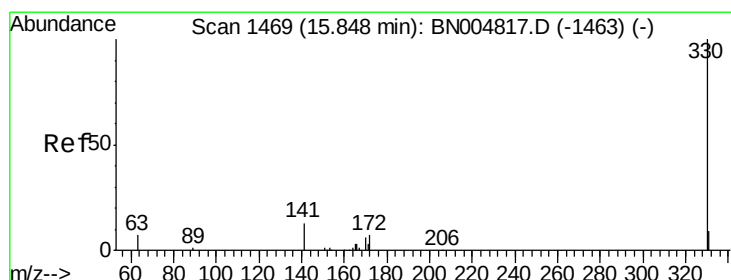
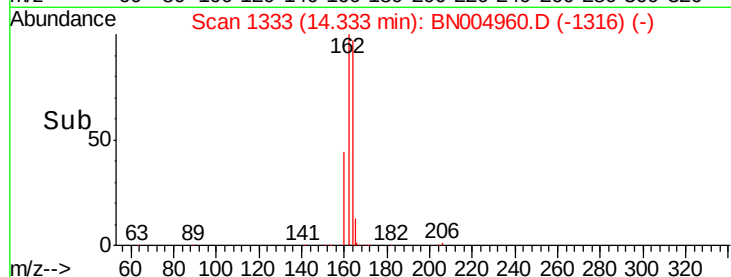
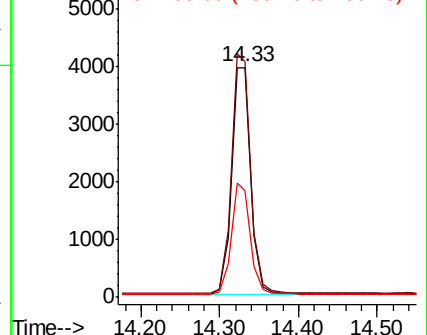
160 46.3 36.6 54.8



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: 0.289 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

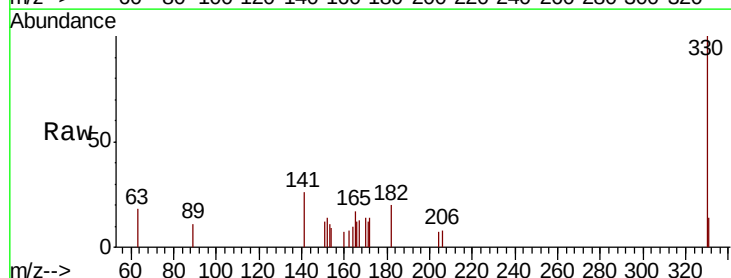
Tgt Ion:330 Resp: 1357

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

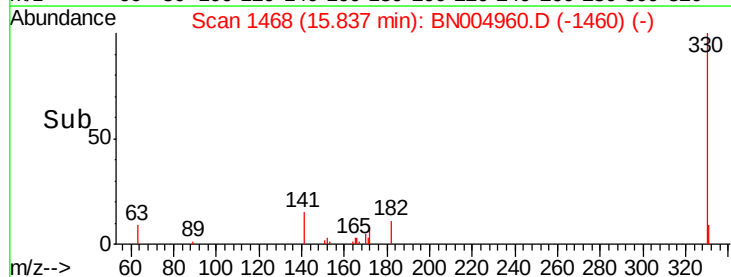
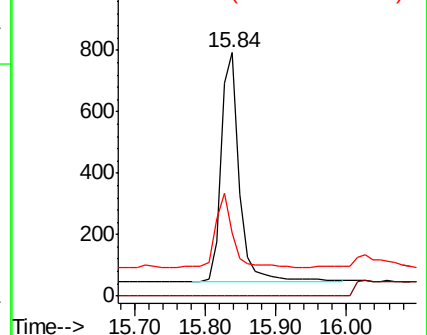
141 31.2 20.9 31.3

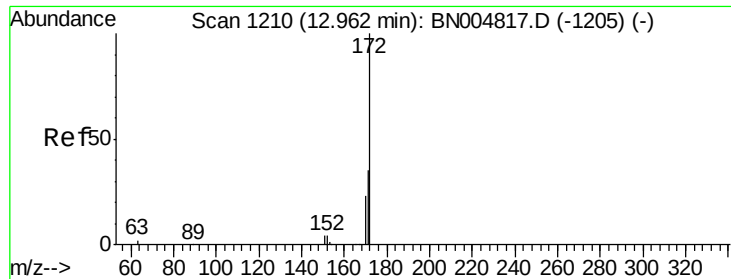


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

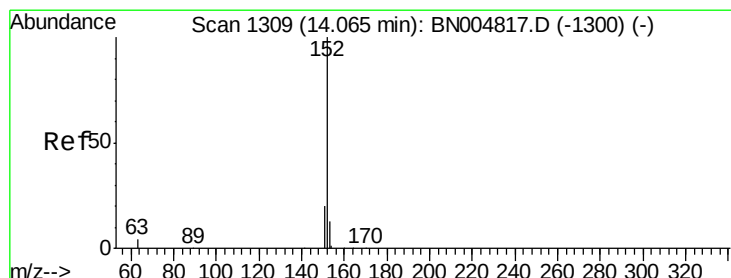
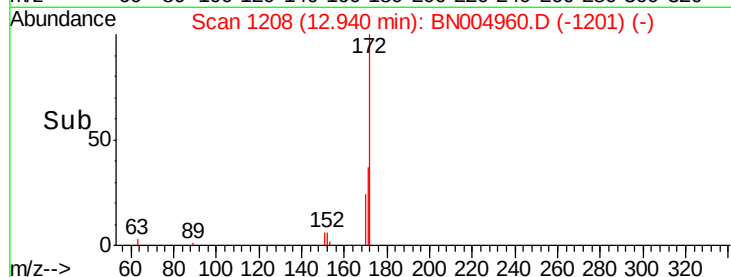
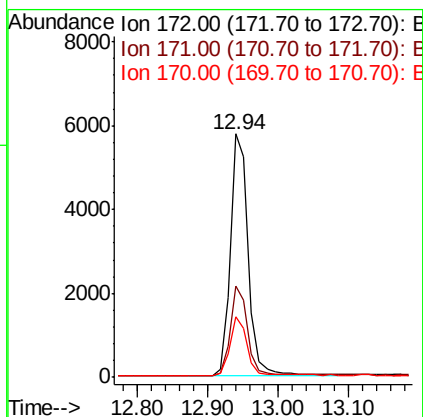
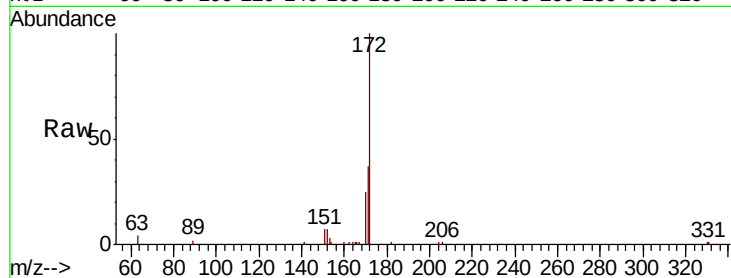




#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

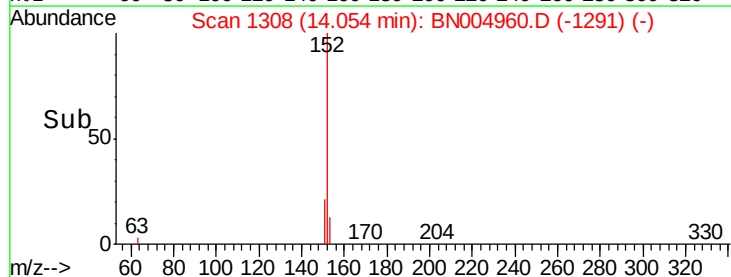
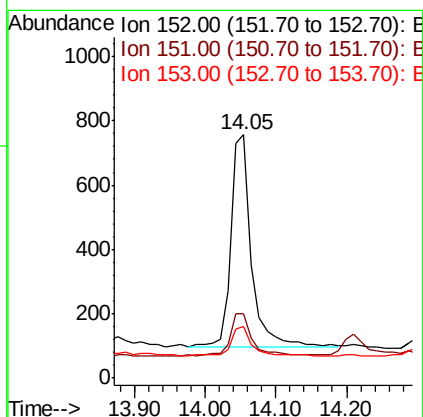
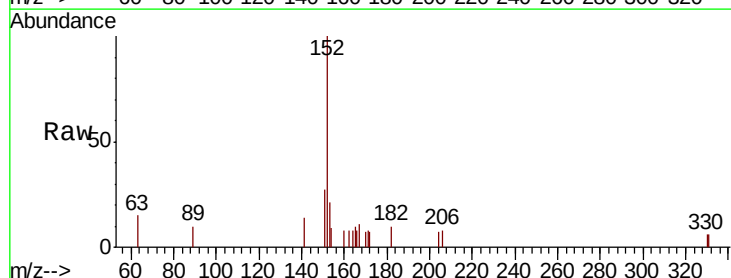
Instrument :
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PST-025-SW046-031319

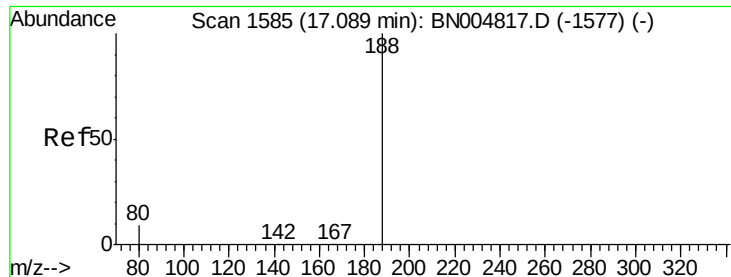
Tgt Ion:172 Resp: 10193
Ion Ratio Lower Upper
172 100
171 37.3 28.7 43.1
170 24.9 18.7 28.1



#16
Acenaphthylene
Concen: 0.038 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Tgt Ion:152 Resp: 1335
Ion Ratio Lower Upper
152 100
151 23.4 16.1 24.1
153 14.9 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

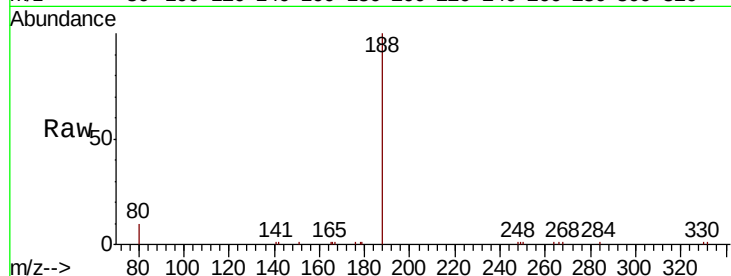
Tgt Ion:188 Resp: 13856

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

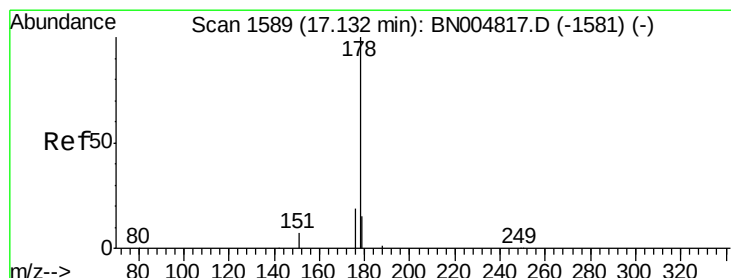
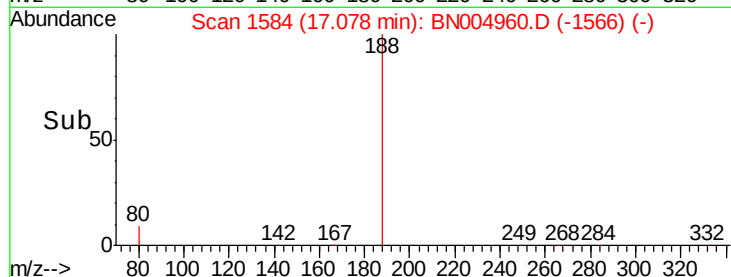
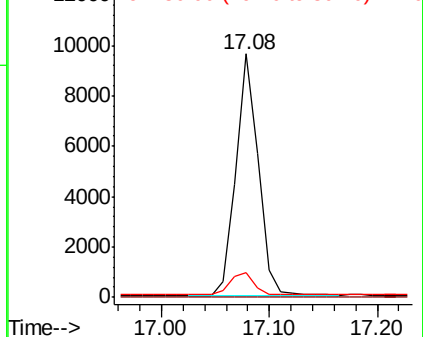
80 10.2 7.4 11.2



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: 0.184 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

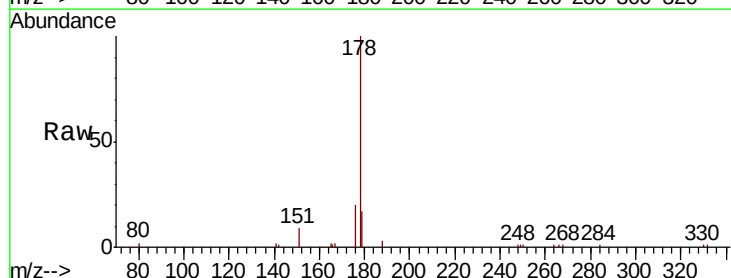
Tgt Ion:178 Resp: 8235

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

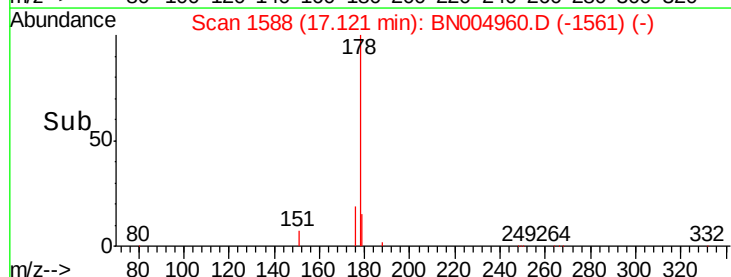
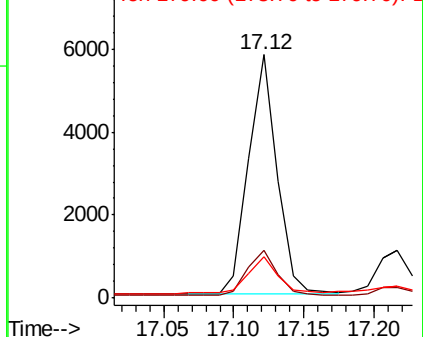
179 16.3 12.1 18.1

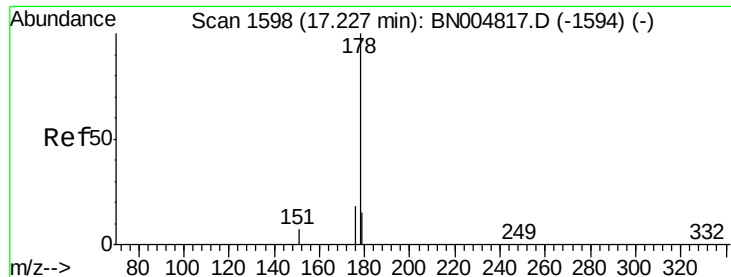


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.044 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

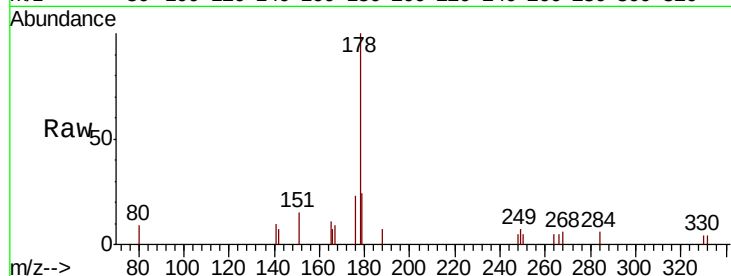
Tgt Ion:178 Resp: 1746

Ion Ratio Lower Upper

178 100

176 17.5 14.5 21.7

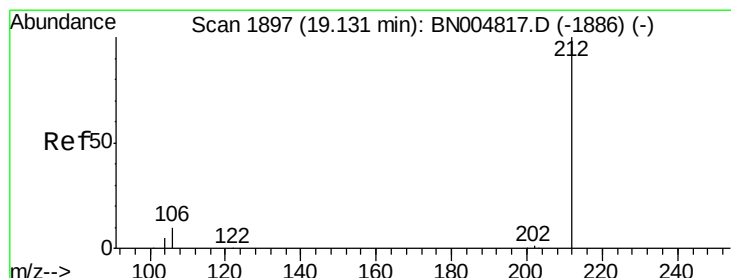
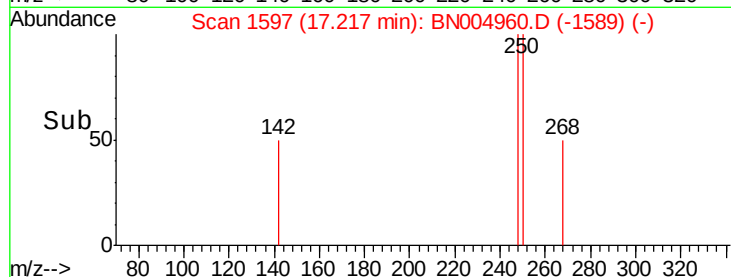
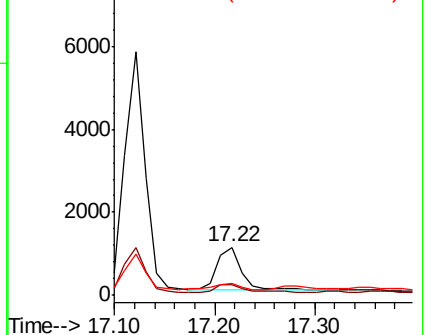
179 16.4 12.2 18.4



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: 0.301 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

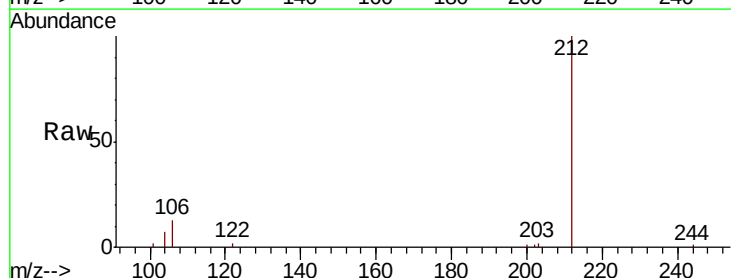
Tgt Ion:212 Resp: 13969

Ion Ratio Lower Upper

212 100

106 12.7 8.6 13.0

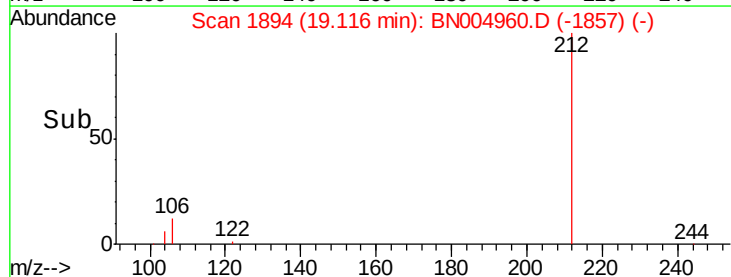
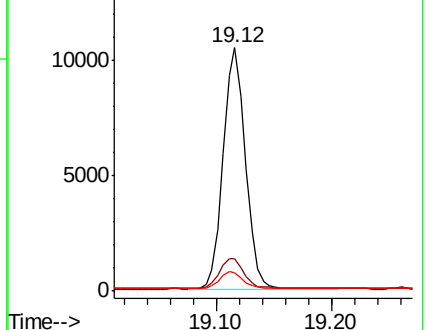
104 7.4 4.7 7.1#

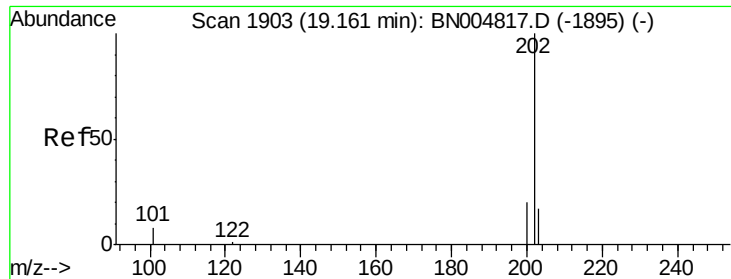


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

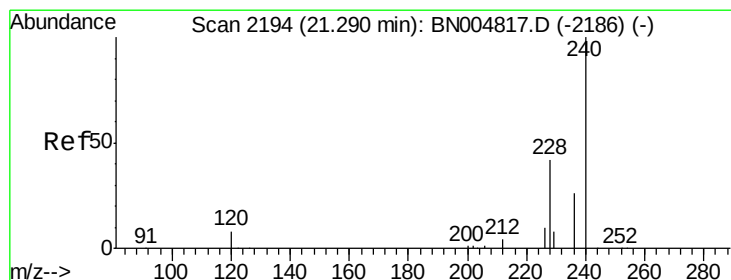
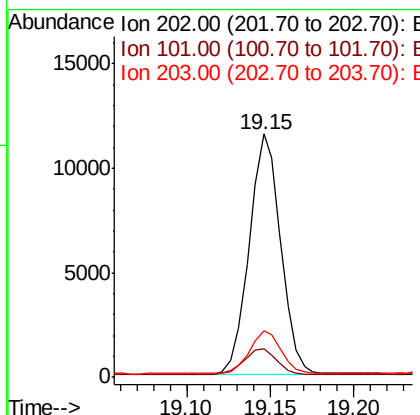
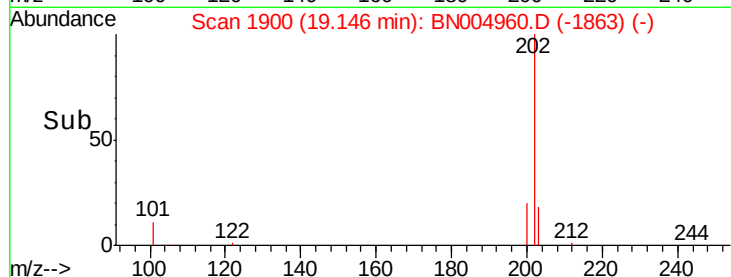
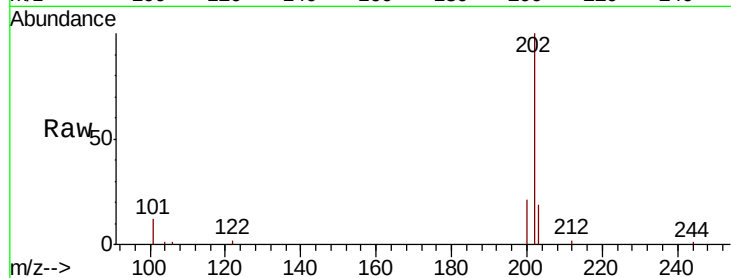




#26
Fluoranthene
Concen: 0.267 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

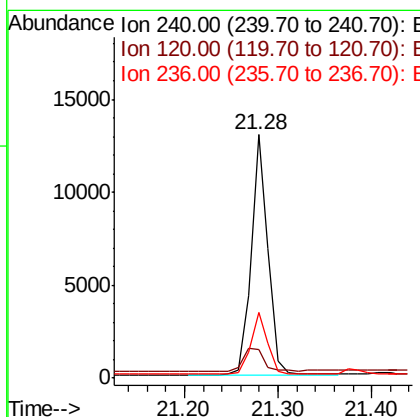
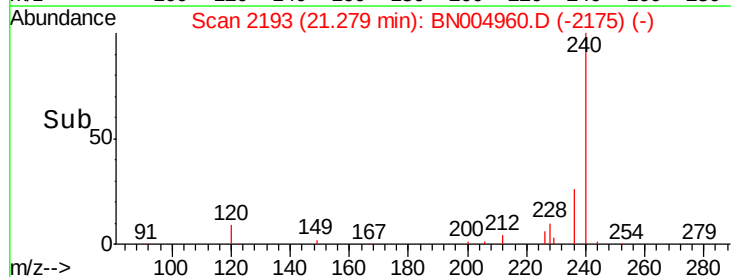
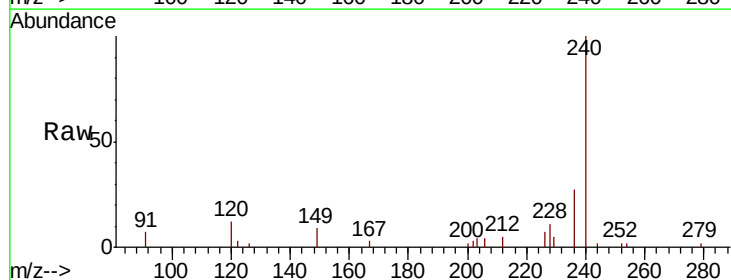
Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

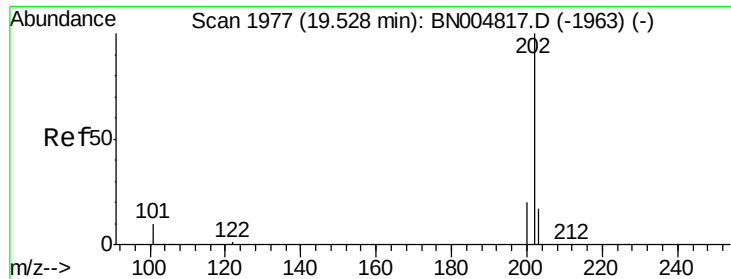
Tgt Ion: 202 Resp: 15328
Ion Ratio Lower Upper
202 100
101 11.9 7.5 11.3#
203 17.5 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Tgt Ion: 240 Resp: 16175
Ion Ratio Lower Upper
240 100
120 11.6 7.2 10.8#
236 27.1 20.9 31.3

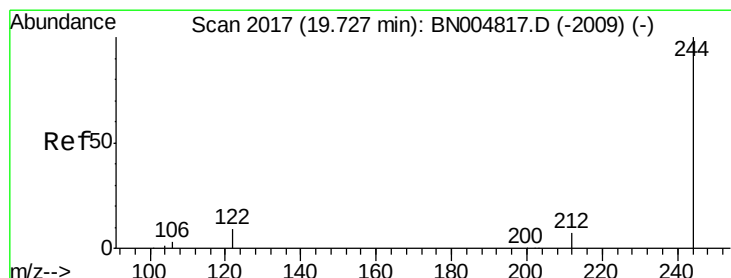
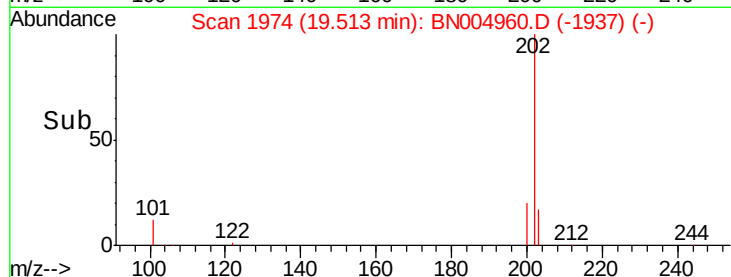
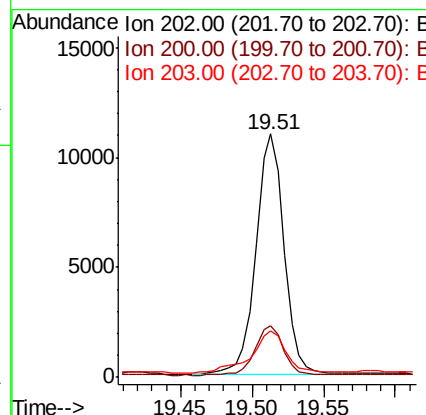
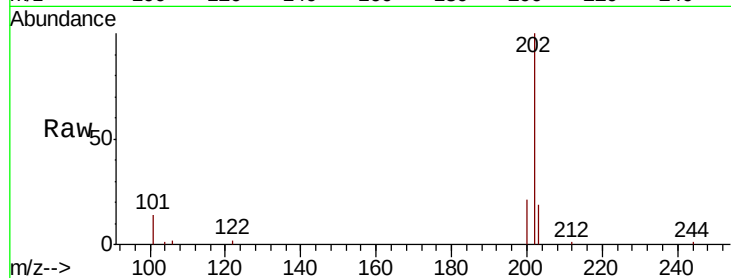




#28
 Pyrene
 Concen: 0.302 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BN004960.D
 Acq: 25 Mar 2019 14:46

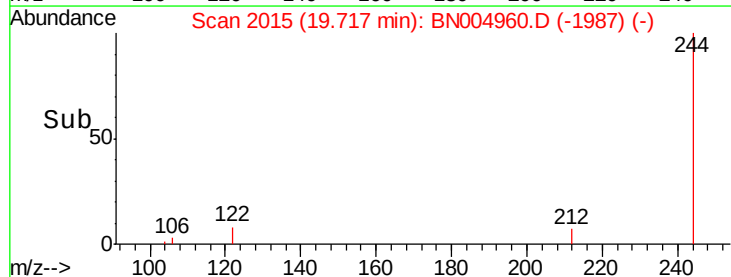
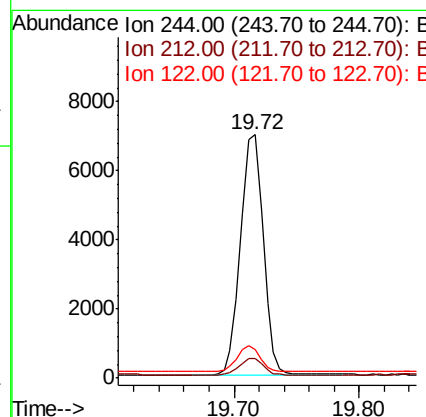
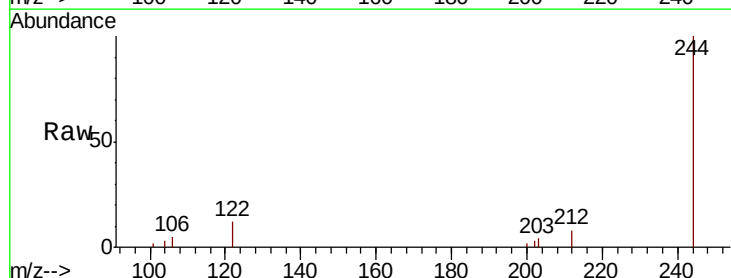
Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW046-031319

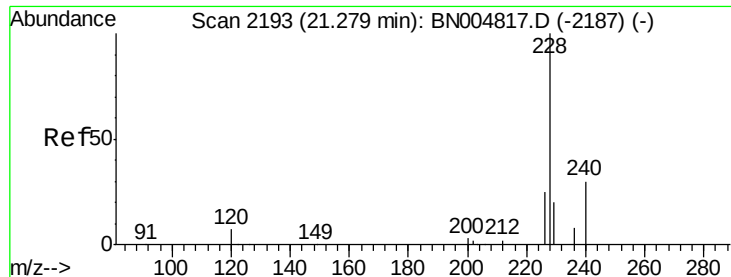
Tgt Ion: 202 Resp: 14917
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.3 24.5
 203 21.2 14.0 21.0#



#29
 Terphenyl-d14
 Concen: 0.265 ng
 RT: 19.72 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BN004960.D
 Acq: 25 Mar 2019 14:46

Tgt Ion: 244 Resp: 8778
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.6
 122 11.7 7.9 11.9





#30

Benzo(a)anthracene

Concen: 0.157 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

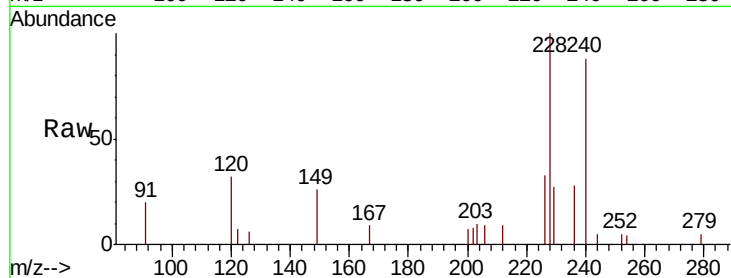
Tgt Ion:228 Resp: 8312

Ion Ratio Lower Upper

228 100

226 32.7 20.6 31.0#

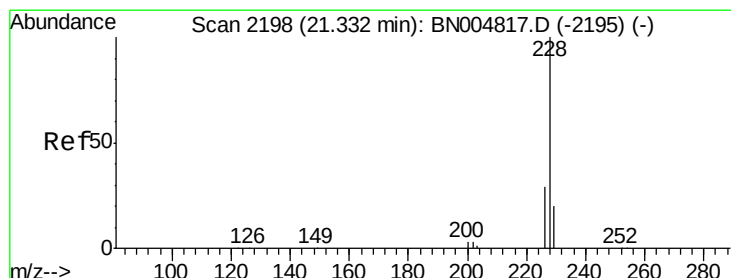
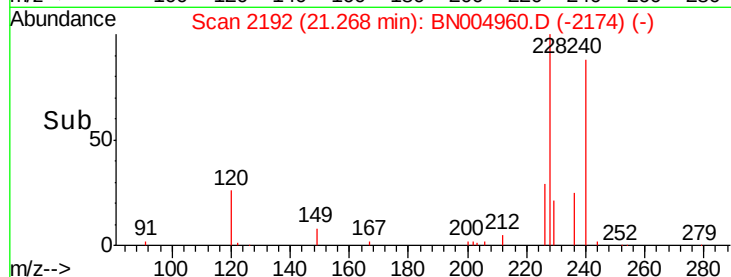
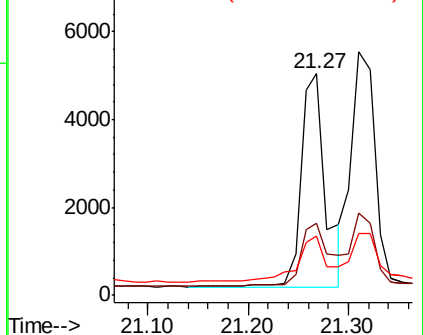
229 26.8 16.2 24.4#



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: 0.154 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

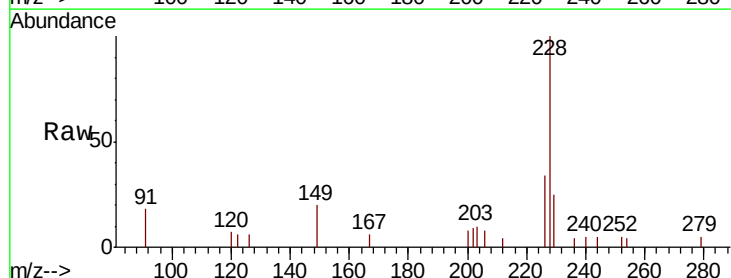
Tgt Ion:228 Resp: 8598

Ion Ratio Lower Upper

228 100

226 33.7 23.0 34.6

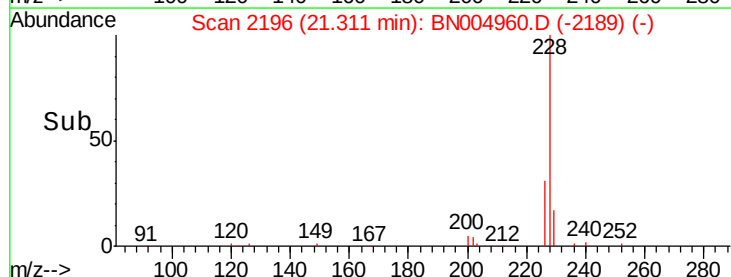
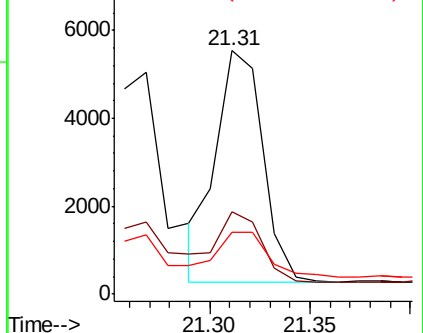
229 25.5 16.2 24.2#

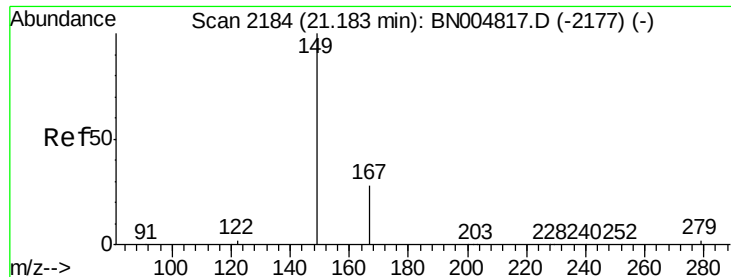


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.451 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

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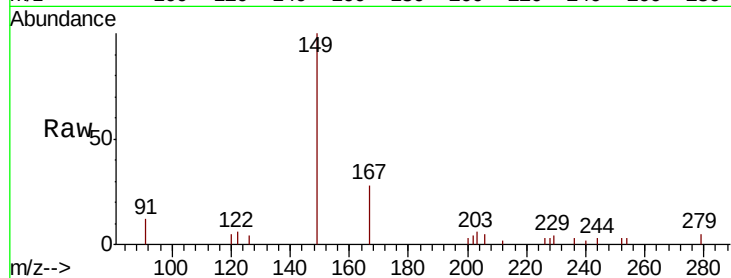
Tgt Ion:149 Resp: 9558

Ion Ratio Lower Upper

149 100

167 27.6 23.0 34.4

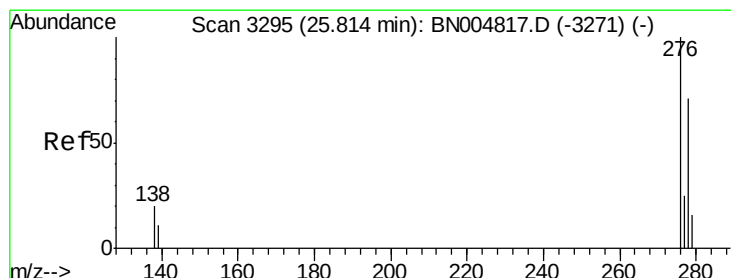
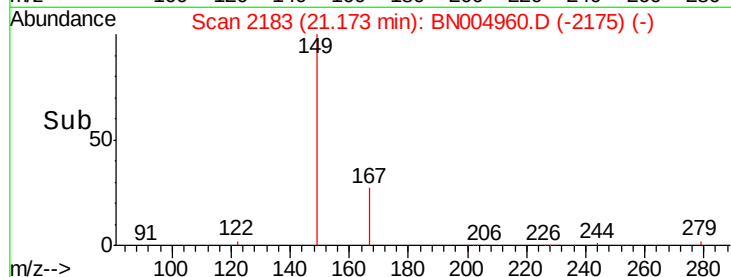
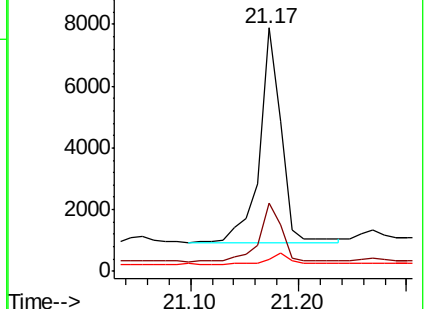
279 5.3 4.6 6.8



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: 0.089 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.02 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

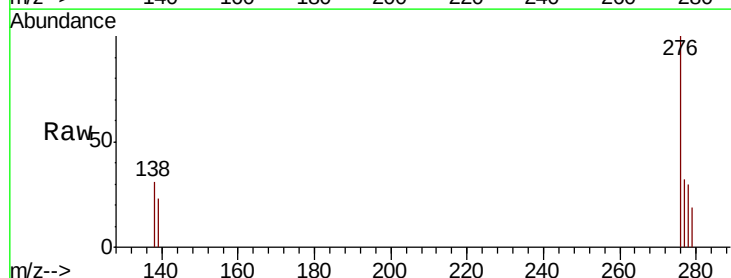
Tgt Ion:276 Resp: 7206

Ion Ratio Lower Upper

276 100

138 24.1 16.6 24.8

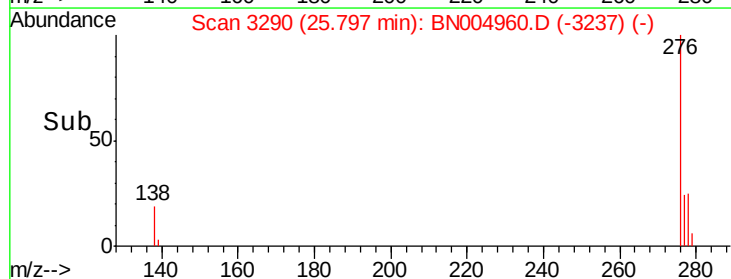
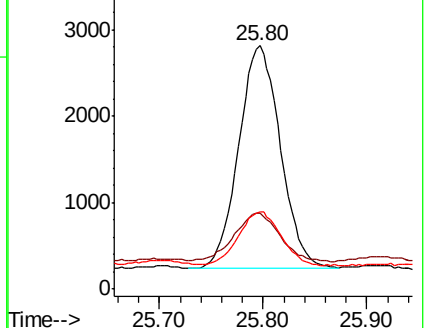
277 24.4 20.3 30.5

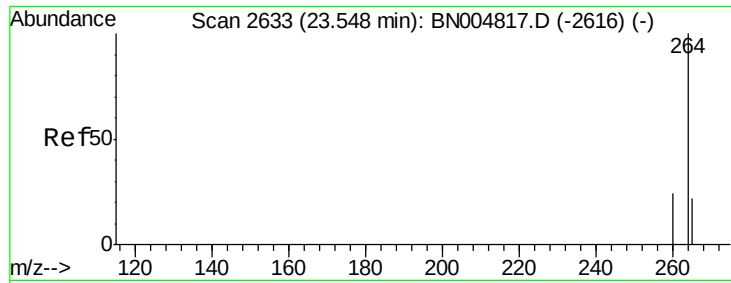


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

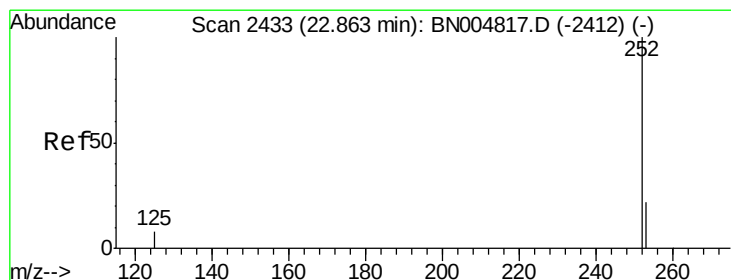
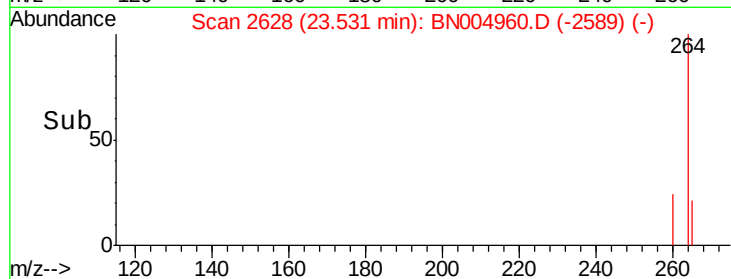
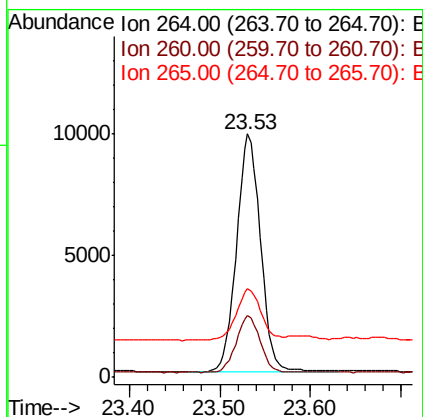
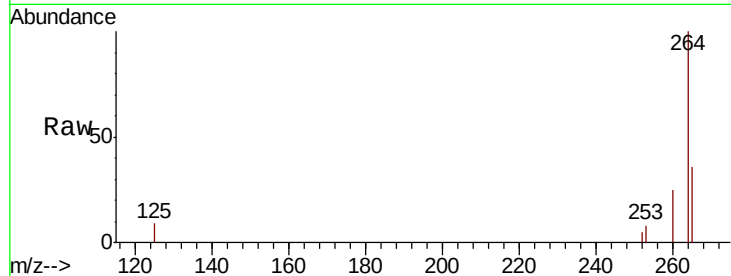




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BN004960.D
 Acq: 25 Mar 2019 14:46

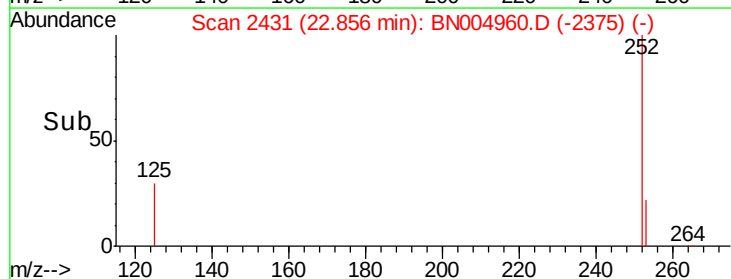
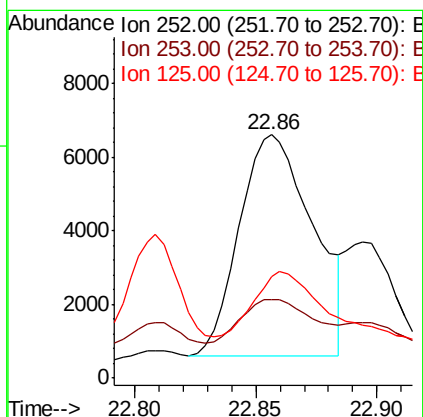
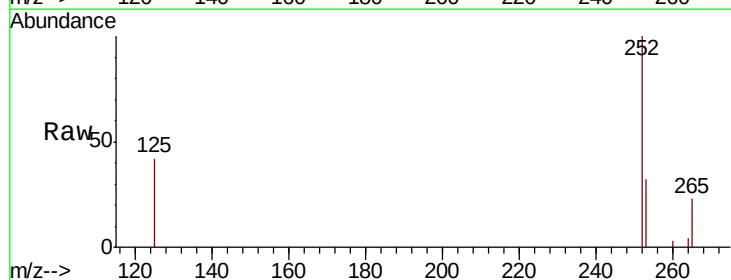
Instrument :
 BNA_N
 ClientSampleId :
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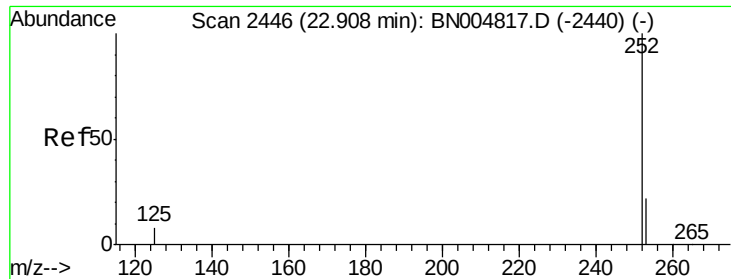
Tgt Ion: 264 Resp: 17833
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.5 29.3
 265 36.2 23.1 34.7#



#35
Benzo(b)fluoranthene
 Concen: 0.197 ng
 RT: 22.86 min Scan# 2431
 Delta R.T. -0.01 min
 Lab File: BN004960.D
 Acq: 25 Mar 2019 14:46

Tgt Ion: 252 Resp: 12707
 Ion Ratio Lower Upper
 252 100
 253 32.5 19.0 28.4#
 125 41.7 7.4 11.2#

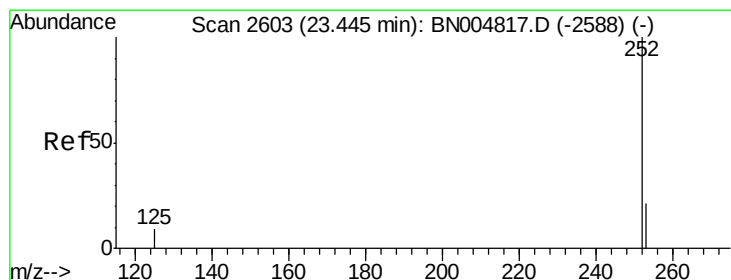
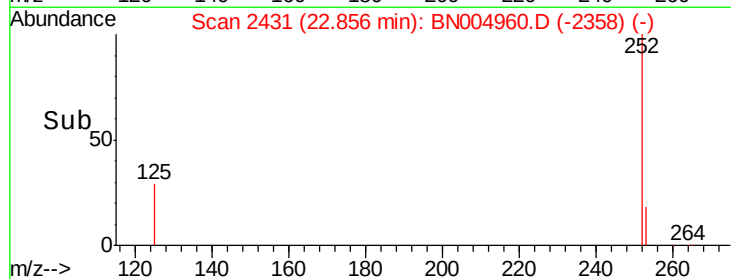
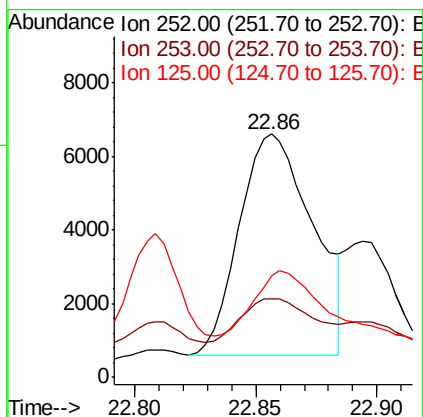
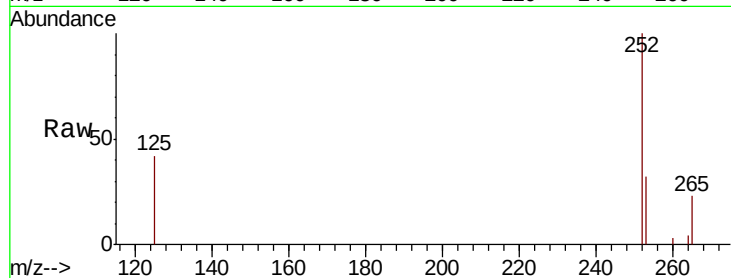




#36
Benzo(k)fluoranthene
Concen: 0.200 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.05 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

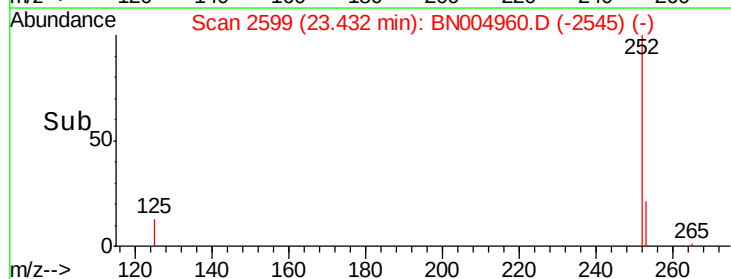
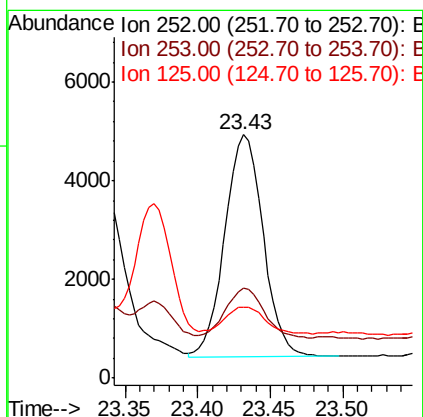
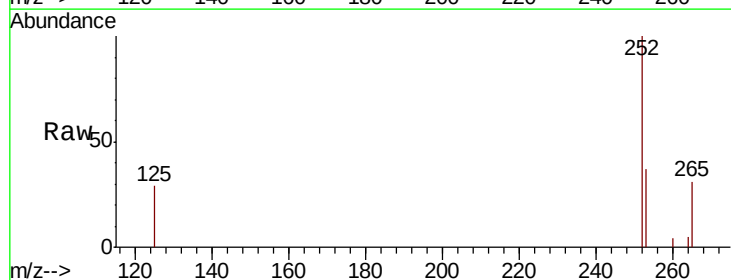
Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

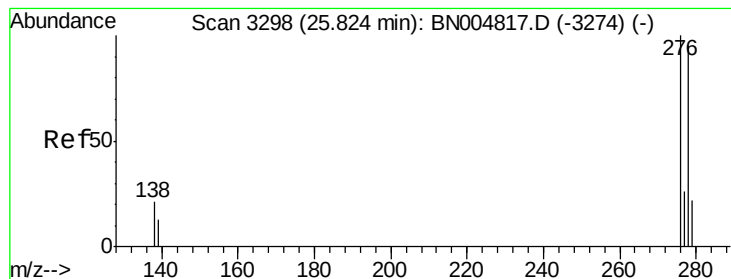
Tgt Ion: 252 Resp: 12707
Ion Ratio Lower Upper
252 100
253 32.5 19.3 28.9#
125 41.7 7.4 11.0#



#37
Benzo(a)pyrene
Concen: 0.139 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Tgt Ion: 252 Resp: 8225
Ion Ratio Lower Upper
252 100
253 36.8 19.7 29.5#
125 29.2 8.3 12.5#

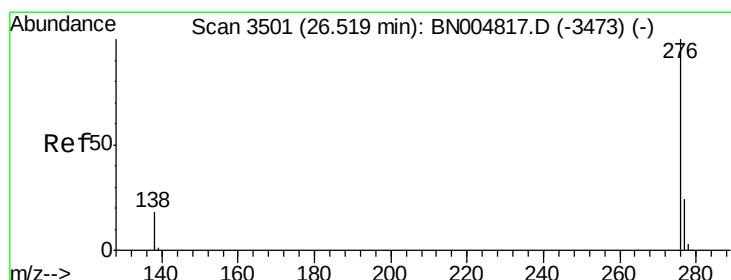
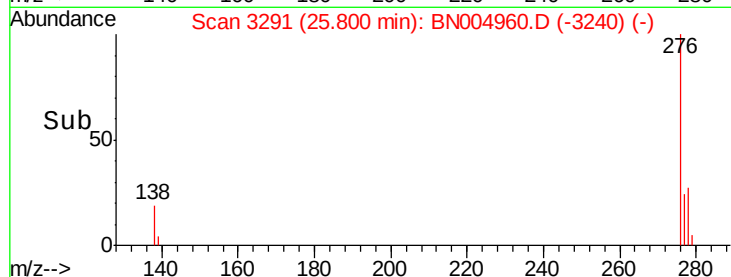
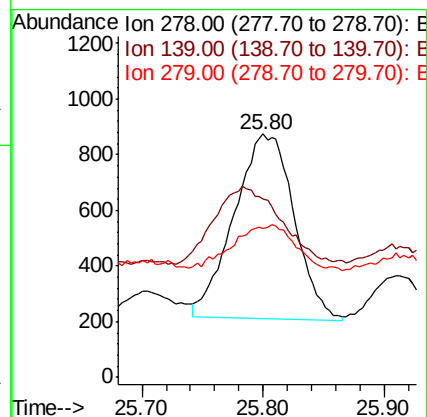
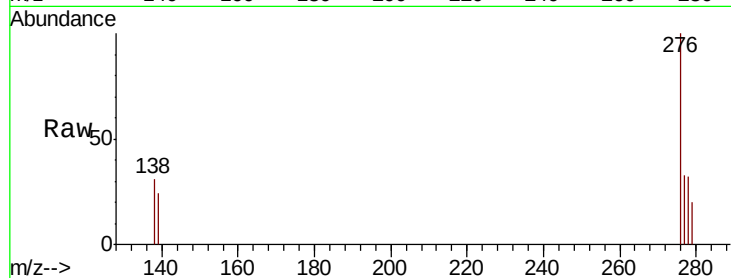




#38
Dibenzo(a,h)anthracene
Concen: 0.033 ng
RT: 25.80 min Scan# 3291
Delta R.T. -0.02 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

Tgt Ion: 278 Resp: 2290
Ion Ratio Lower Upper
278 100
139 73.1 11.7 17.5#
279 60.9 19.9 29.9#



#39
Benzo(g,h,i)perylene
Concen: 0.107 ng
RT: 26.50 min Scan# 3494
Delta R.T. -0.02 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Tgt Ion: 276 Resp: 7472
Ion Ratio Lower Upper
276 100
277 31.8 19.7 29.5#
138 29.8 14.6 22.0#

