

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032219\
 Data File : BN004911.D
 Acq On : 23 Mar 2019 06:48
 Operator : JU/SJ
 Sample : K2013-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW031-031819

Quant Time: Mar 23 10:47:59 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	7.69	152	3705	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	16045	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	8925	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	20796	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	22269	0.40	ng	-0.01
34) Perylene-d12	23.53	264	19010	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	3322	0.33	ng	0.00
5) Phenol-d6	6.86	99	4757	0.38	ng	-0.02
8) Nitrobenzene-d5	8.86	82	3175	0.30	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	6781	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2540	0.41	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	10961	0.30	ng	-0.01
25) Fluoranthene-d10	19.12	212	15893	0.23	ng	-0.01
29) Terphenyl-d14	19.72	244	17564	0.39	ng	0.00

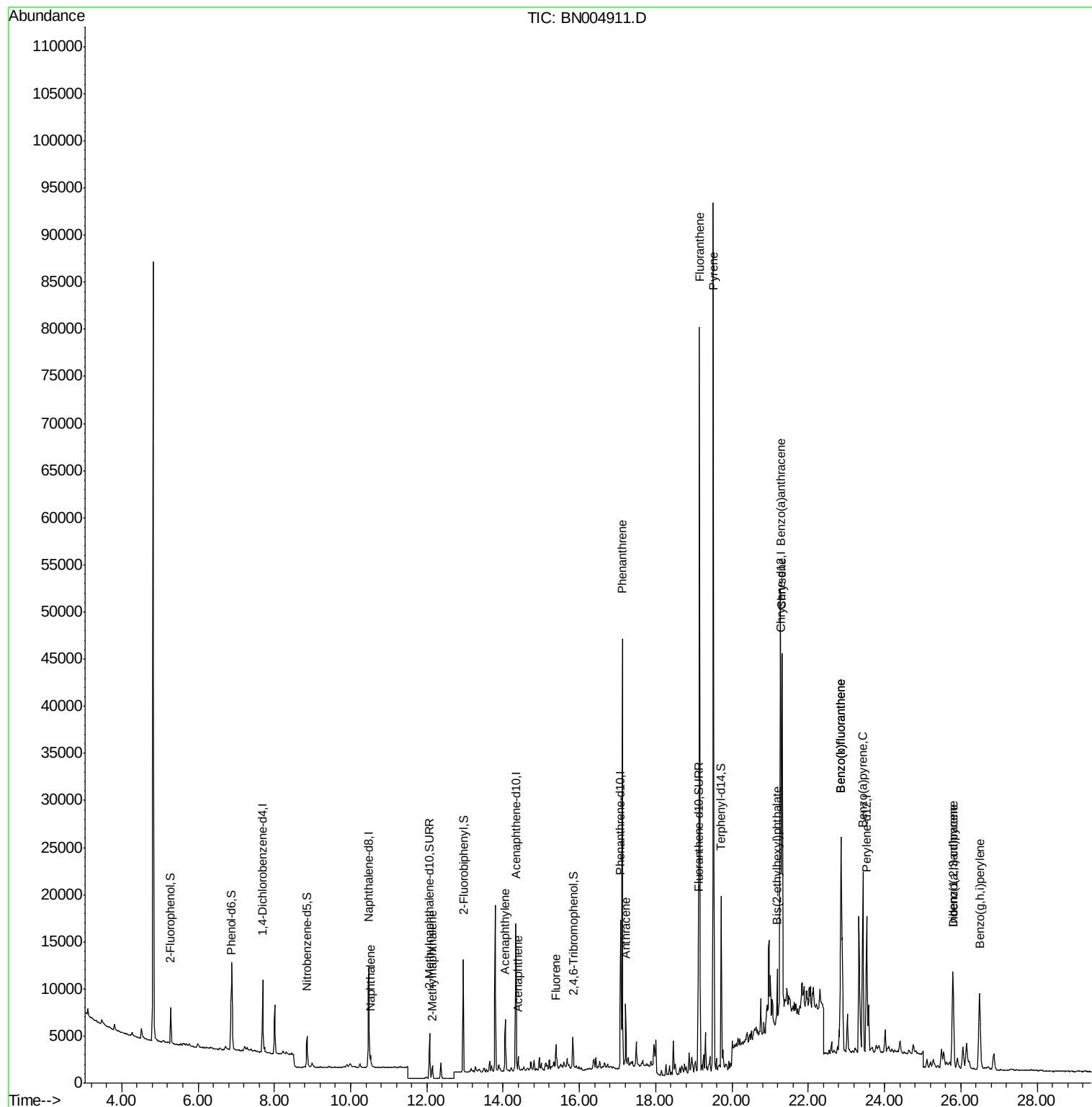
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.53	128	1506	0.033	ng	# 87
12) 2-Methylnaphthalene	12.14	142	1033	0.031	ng	# 93
16) Acenaphthylene	14.05	152	6478	0.141	ng	99
17) Acenaphthene	14.40	154	869	0.029	ng	94
18) Fluorene	15.38	166	2056	0.049	ng	# 87
23) Phenanthrene	17.12	178	44695	0.666	ng	99
24) Anthracene	17.22	178	6855	0.114	ng	# 96
26) Fluoranthene	19.15	202	70981	0.823	ng	98
28) Pyrene	19.51	202	80323	1.183	ng	96
30) Benzo(a)anthracene	21.27	228	38528	0.528	ng	92
31) Chrysene	21.31	228	37837	0.492	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	5147	0.176	ng	98
33) Indeno(1,2,3-cd)pyrene	25.79	276	16242	0.146	ng	99
35) Benzo(b)fluoranthene	22.85	252	37333	0.543	ng	# 89
36) Benzo(k)fluoranthene	22.85	252	37333	0.552	ng	# 89
37) Benzo(a)pyrene	23.43	252	26349	0.418	ng	# 94
38) Dibenzo(a,h)anthracene	25.80	278	4736	0.065	ng	# 54
39) Benzo(g,h,i)perylene	26.49	276	17331	0.233	ng	# 94

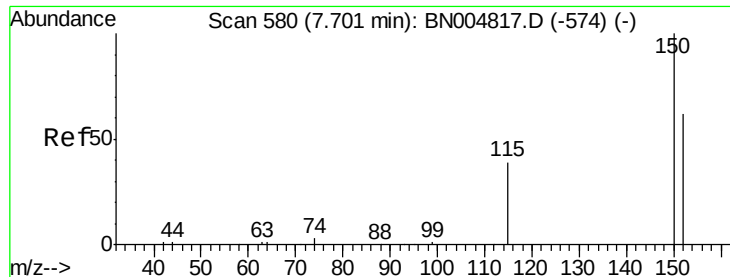
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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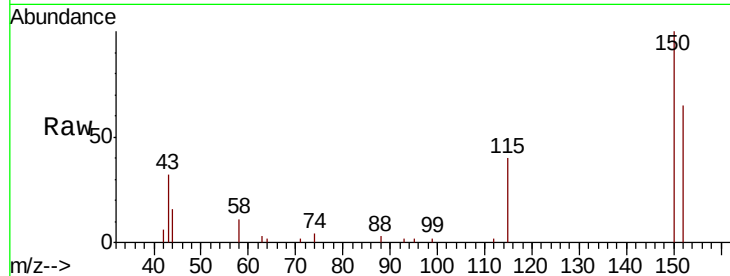


#1

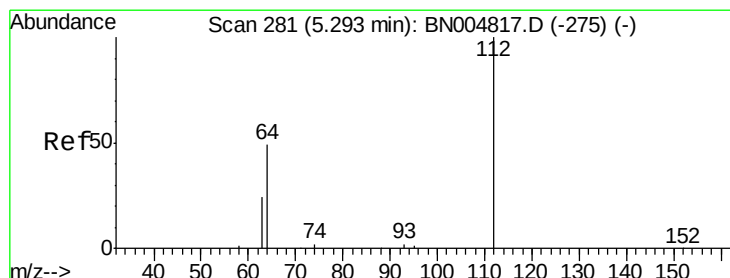
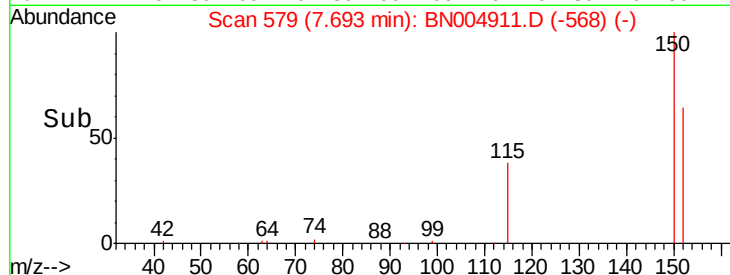
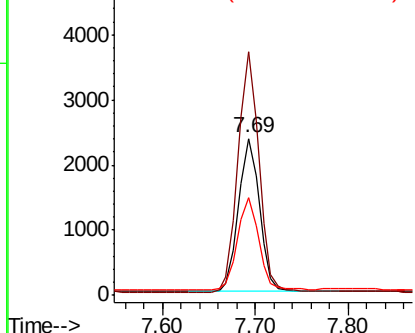
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

Instrument :
BNA_N
ClientSampleId :
PST-026-SW031-031819

Tgt Ion:152 Resp: 3705
Ion Ratio Lower Upper
152 100
150 154.9 126.2 189.4
115 62.0 52.6 79.0



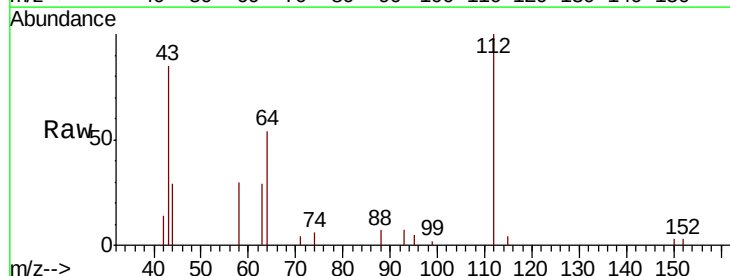
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



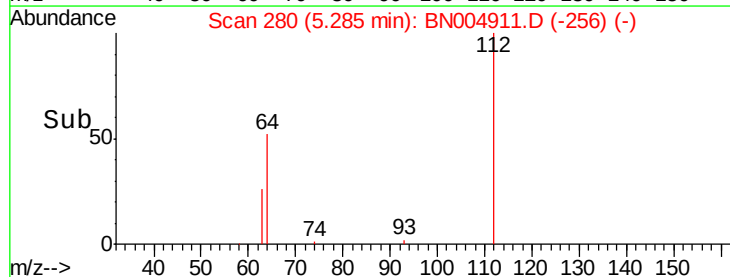
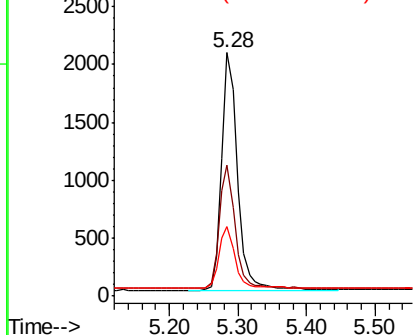
#4

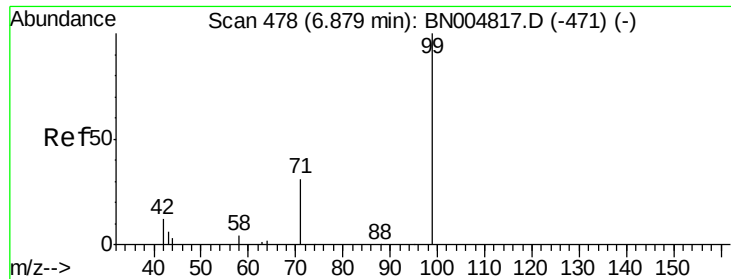
2-Fluorophenol
Concen: 0.330 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

Tgt Ion:112 Resp: 3322
Ion Ratio Lower Upper
112 100
64 51.3 40.0 60.0
63 27.0 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: 0.379 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Instrument :

BNA_N

ClientSampleId :

PST-026-SW031-031819

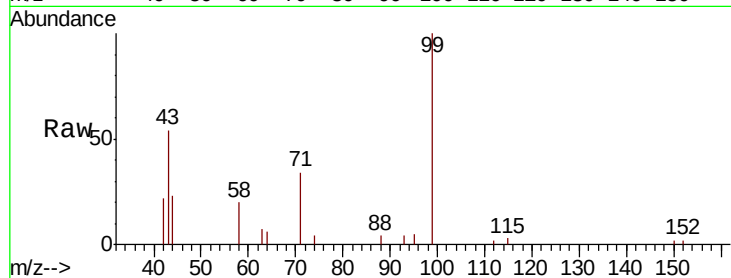
Tgt Ion: 99 Resp: 4757

Ion Ratio Lower Upper

99 100

42 24.6 12.7 19.1#

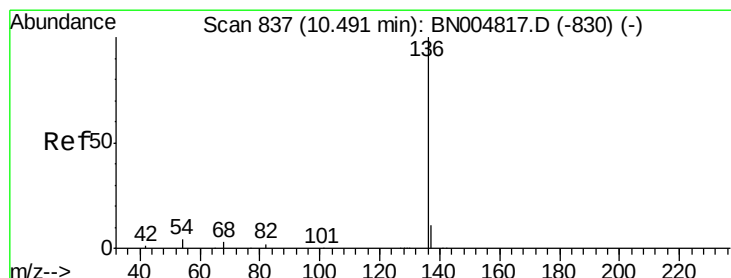
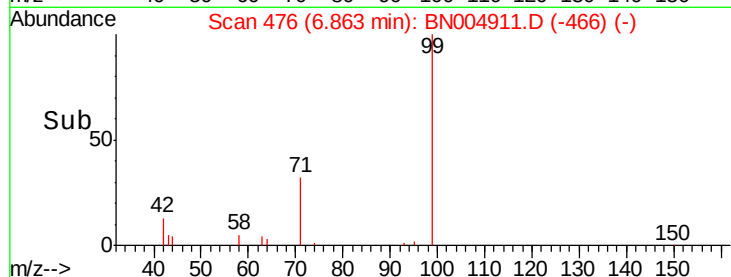
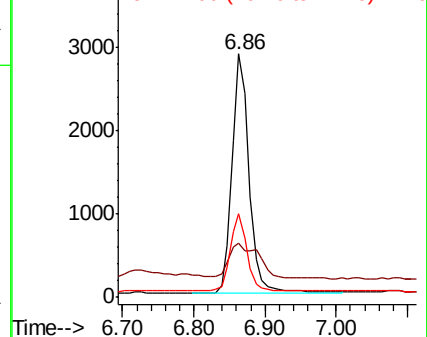
71 31.6 26.6 40.0



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: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Tgt Ion: 136 Resp: 16045

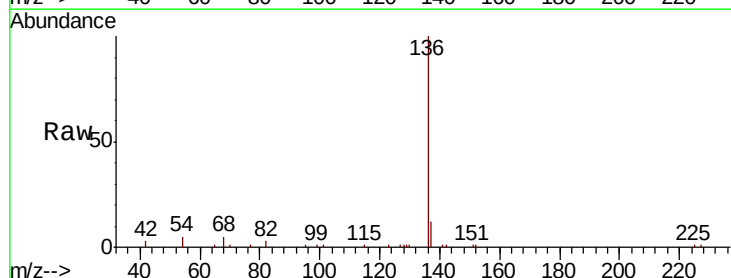
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 5.1 4.2 6.2

68 4.6 3.9 5.9

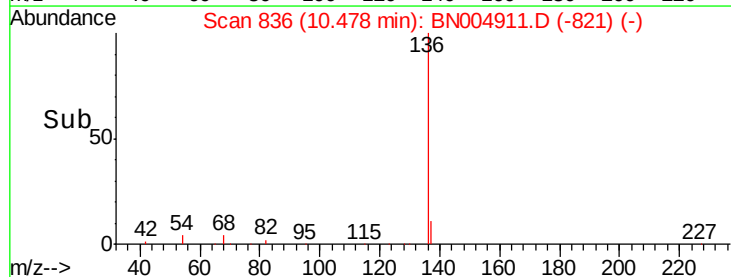
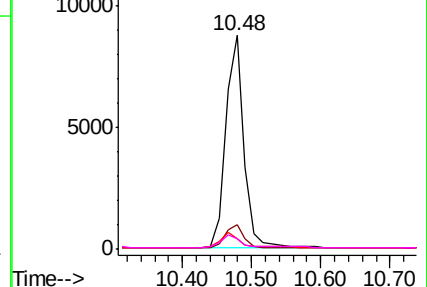


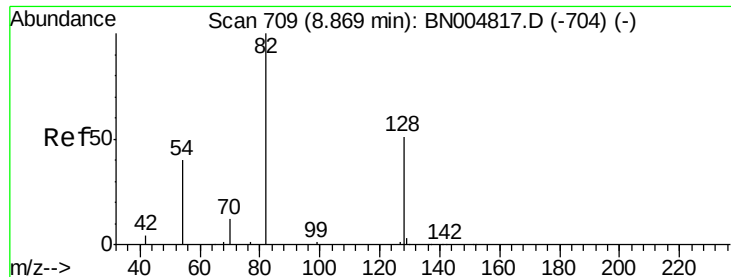
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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: 0.299 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Instrument :

BNA_N

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PST-026-SW031-031819

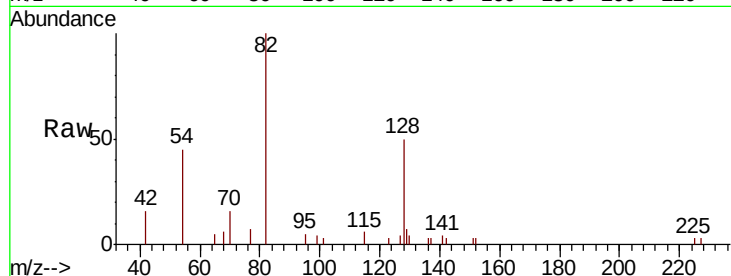
Tgt Ion: 82 Resp: 3175

Ion Ratio Lower Upper

82 100

128 50.4 43.0 64.6

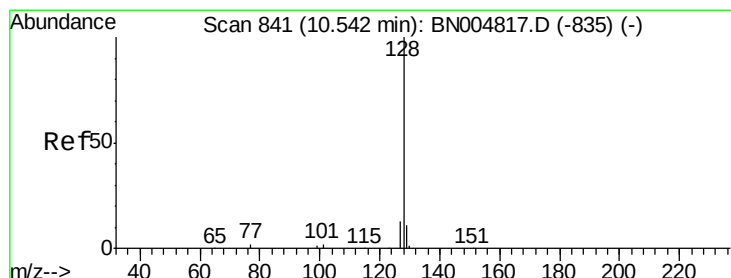
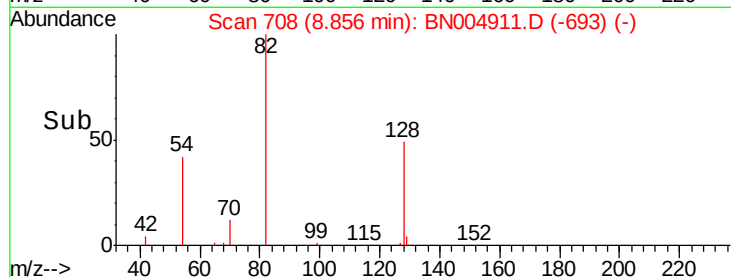
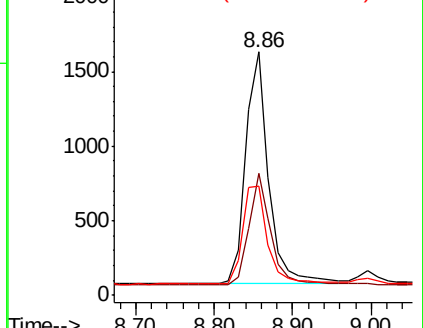
54 45.0 35.3 52.9



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) (-)



#9

Naphthalene

Concen: 0.033 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

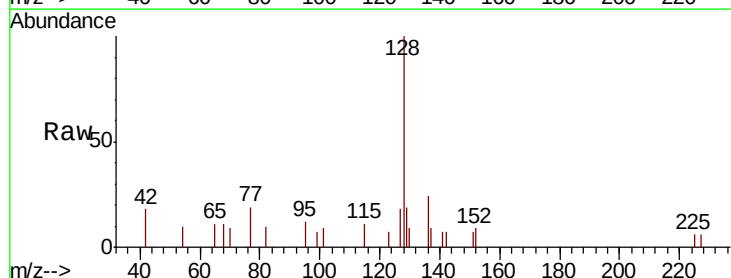
Tgt Ion: 128 Resp: 1506

Ion Ratio Lower Upper

128 100

129 18.9 9.9 14.9#

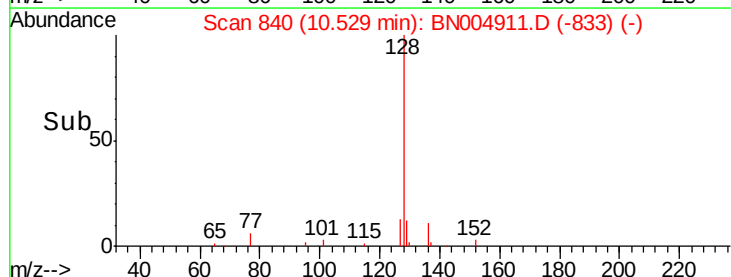
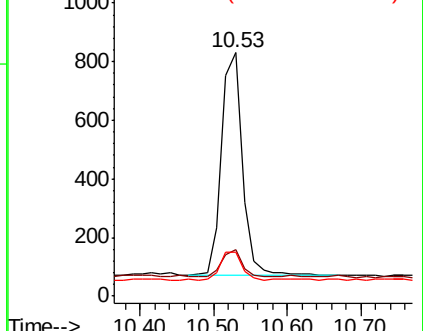
127 18.2 11.3 16.9#

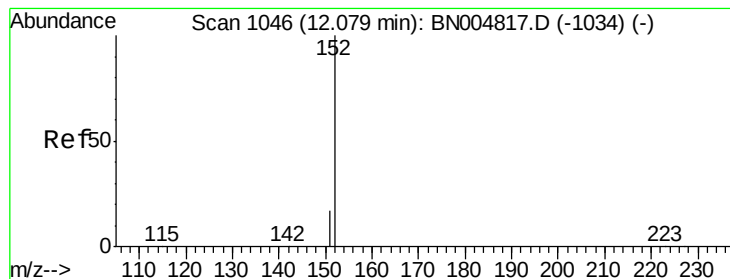


Abundance Ion 128.00 (127.70 to 128.70): BN004817.D (-835) (-)

Ion 129.00 (128.70 to 129.70): BN004817.D (-835) (-)

Ion 127.00 (126.70 to 127.70): BN004817.D (-835) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.242 ng

RT: 12.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Instrument :

BNA_N

ClientSampleId :

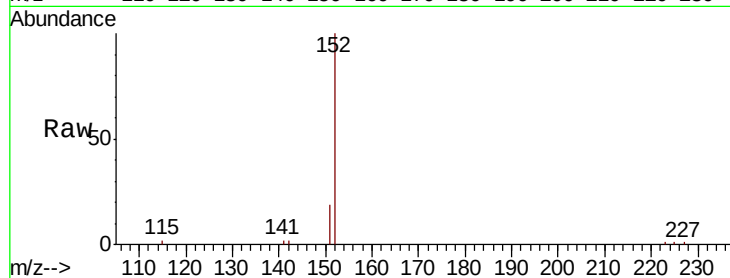
PST-026-SW031-031819

Tgt Ion:152 Resp: 6781

Ion Ratio Lower Upper

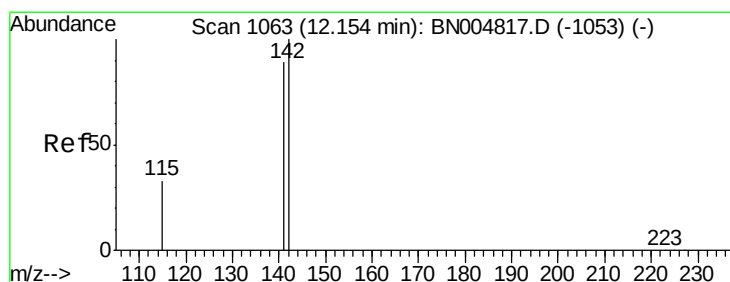
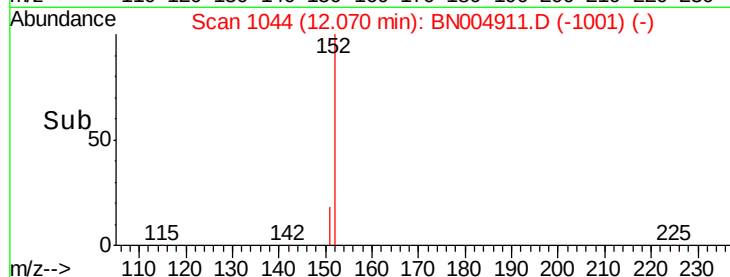
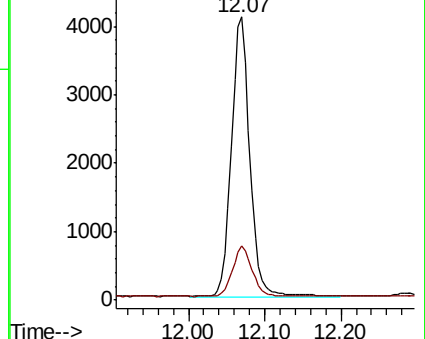
152 100

151 19.3 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 12.14 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

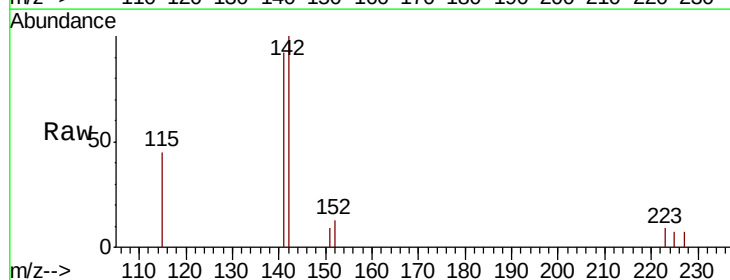
Tgt Ion:142 Resp: 1033

Ion Ratio Lower Upper

142 100

141 91.9 71.4 107.2

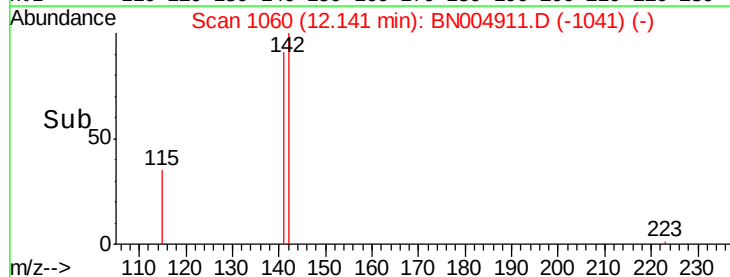
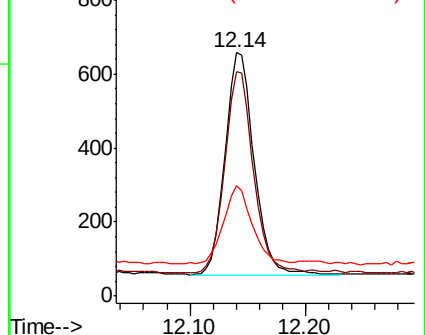
115 45.3 27.5 41.3#

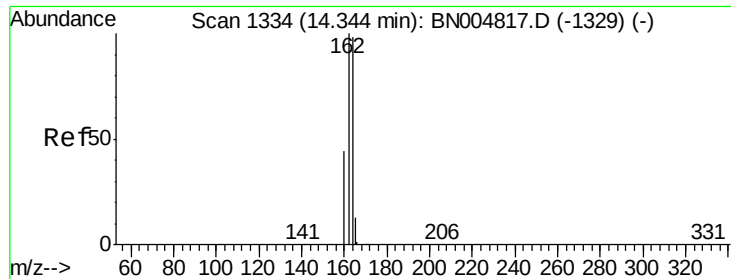


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Instrument :

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ClientSampleId :

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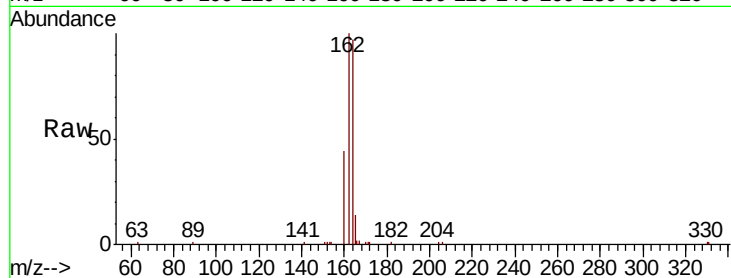
Tgt Ion:164 Resp: 8925

Ion Ratio Lower Upper

164 100

162 102.9 81.9 122.9

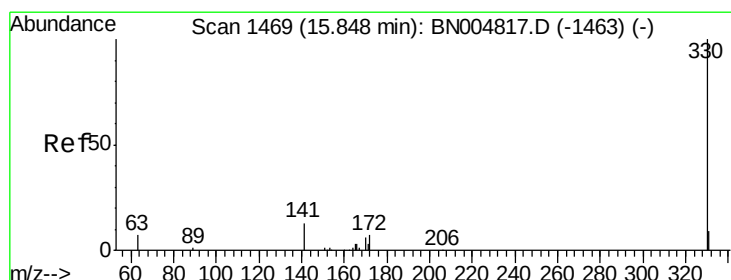
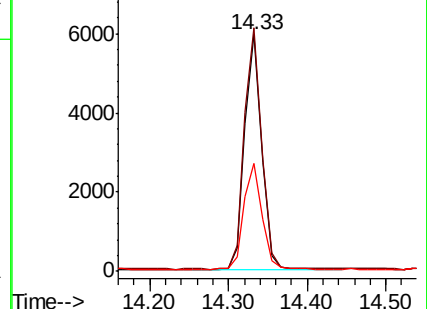
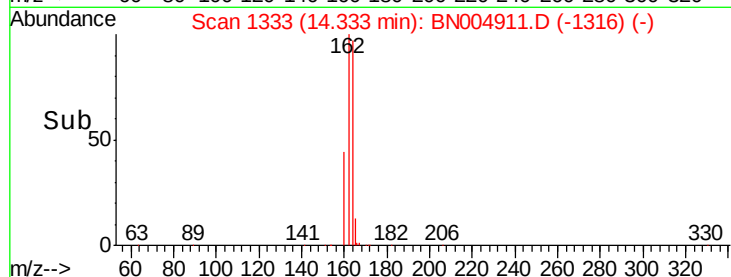
160 45.6 36.6 54.8



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: 0.412 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

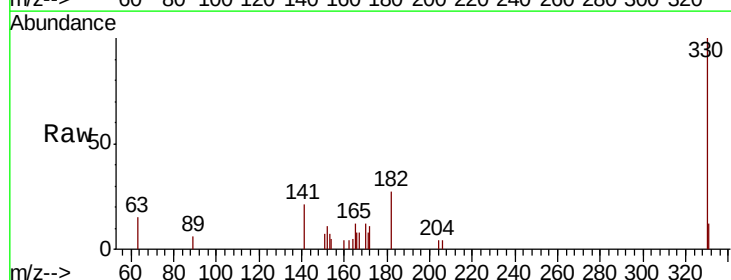
Tgt Ion:330 Resp: 2540

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

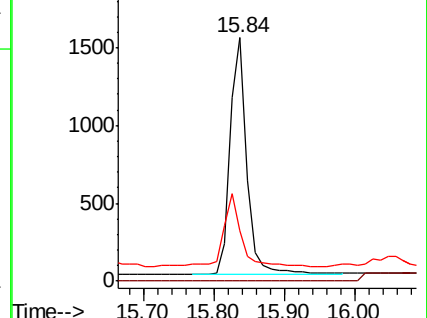
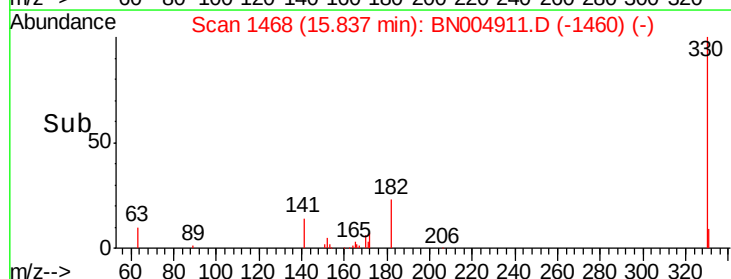
141 32.4 20.9 31.3#

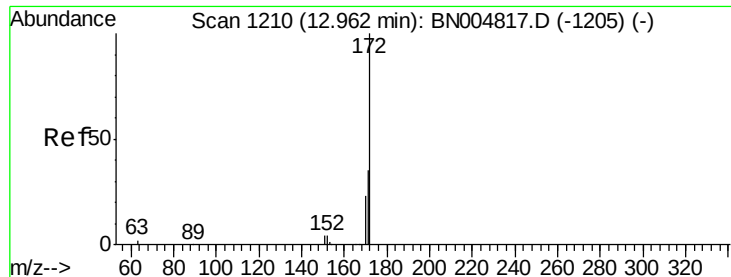


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

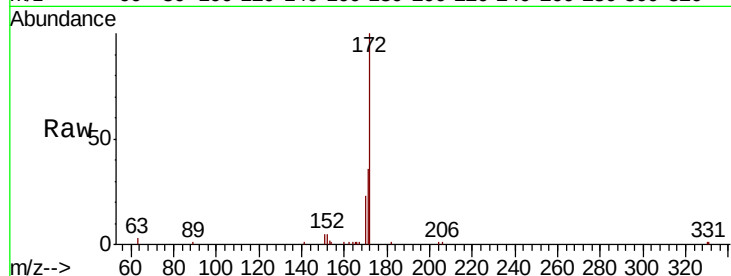




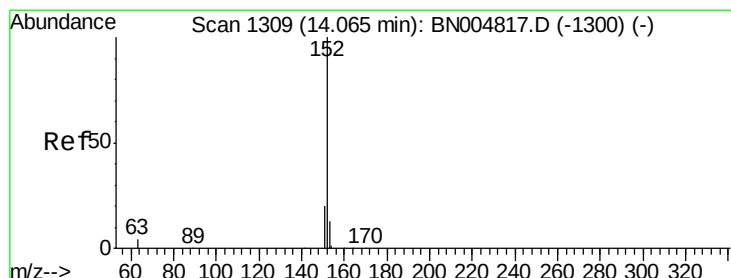
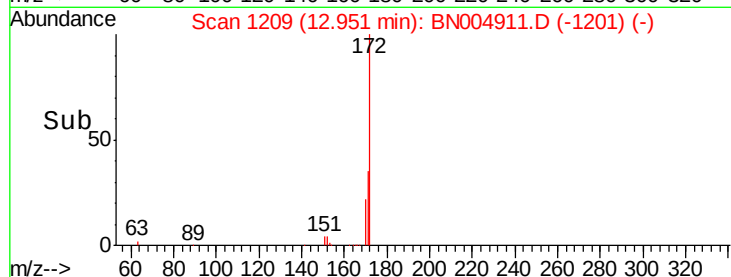
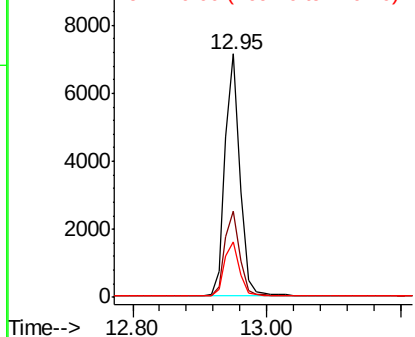
#15
2-Fluorobiphenyl
Concen: 0.297 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

Instrument :
BNA_N
ClientSampleId :
PST-026-SW031-031819

Tgt Ion:172 Resp: 10961
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 22.8 18.7 28.1

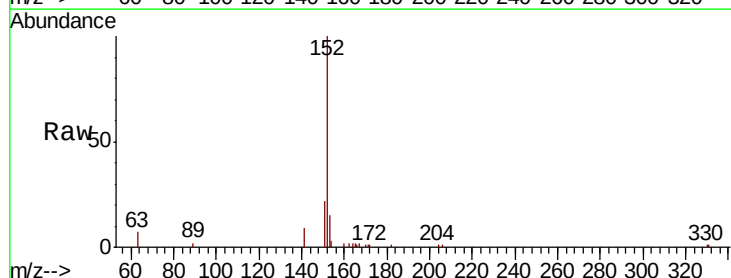


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

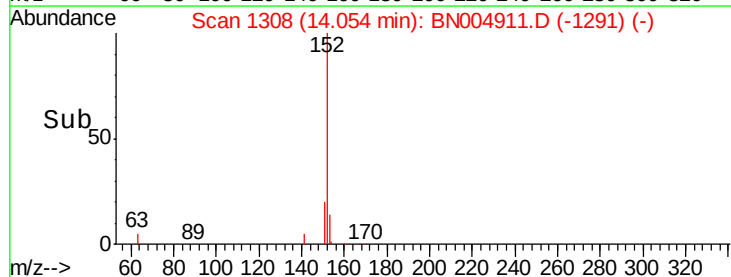
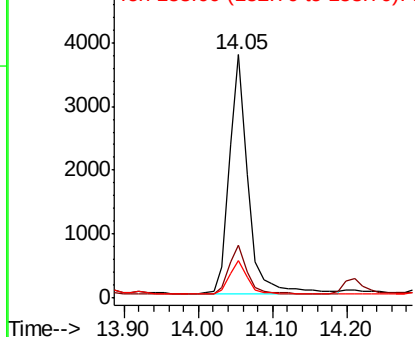


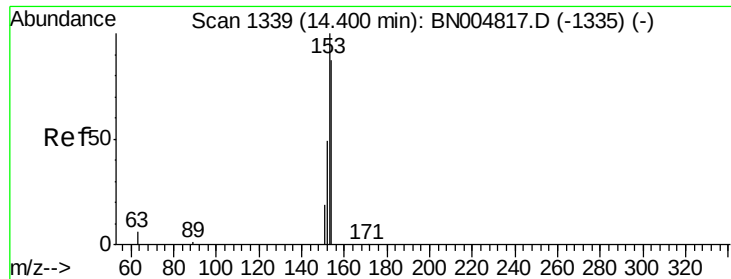
#16
Acenaphthylene
Concen: 0.141 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

Tgt Ion:152 Resp: 6478
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1
153 13.9 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.029 ng

RT: 14.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Instrument :

BNA_N

ClientSampleId :

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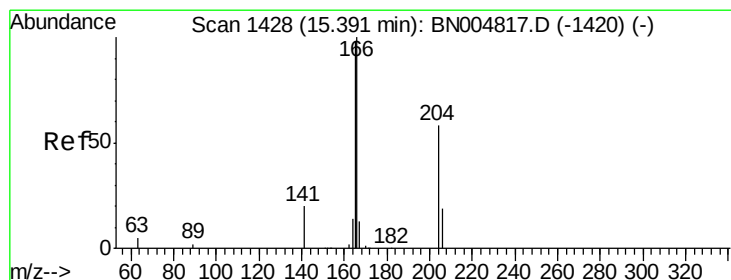
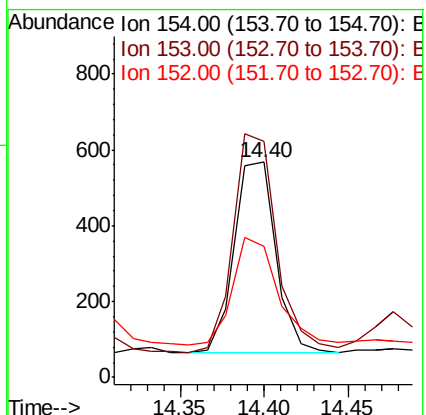
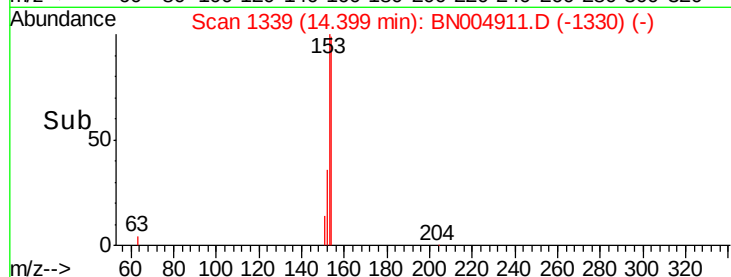
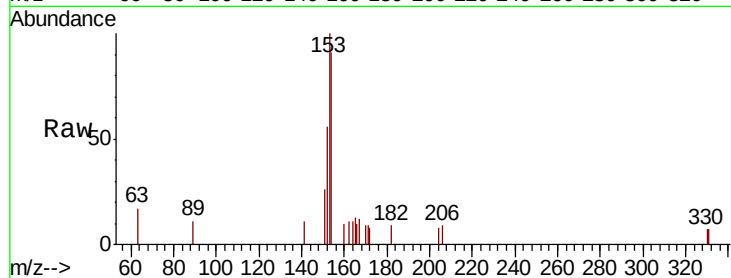
Tgt Ion:154 Resp: 869

Ion Ratio Lower Upper

154 100

153 120.1 91.4 137.2

152 60.3 44.2 66.2



#18

Fluorene

Concen: 0.049 ng

RT: 15.38 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

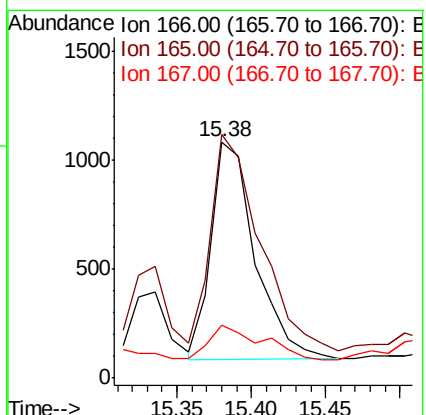
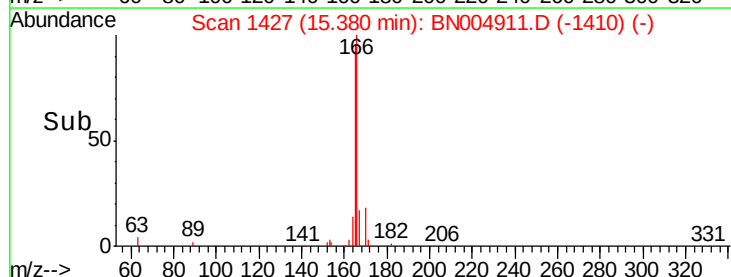
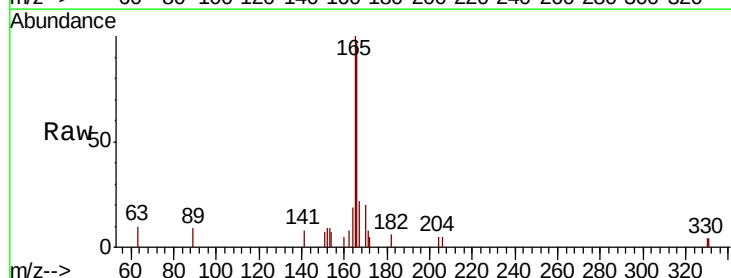
Tgt Ion:166 Resp: 2056

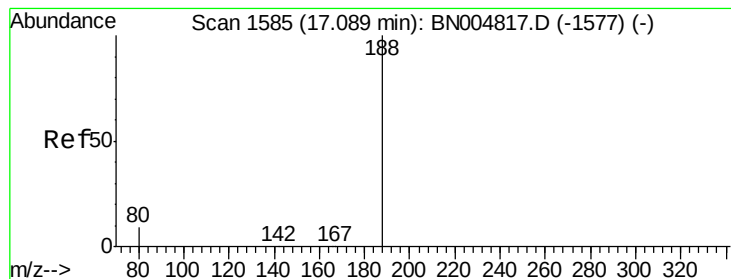
Ion Ratio Lower Upper

166 100

165 110.2 78.2 117.4

167 19.6 11.0 16.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Instrument :

BNA_N

ClientSampleId :

PST-026-SW031-031819

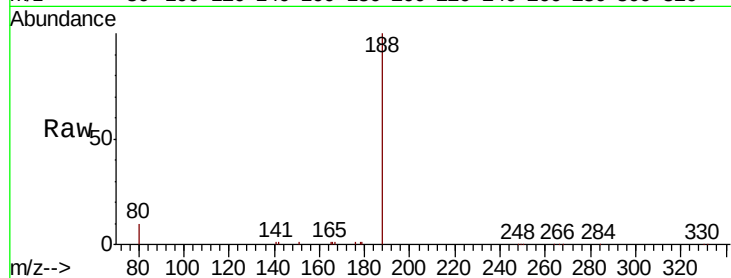
Tgt Ion:188 Resp: 20796

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

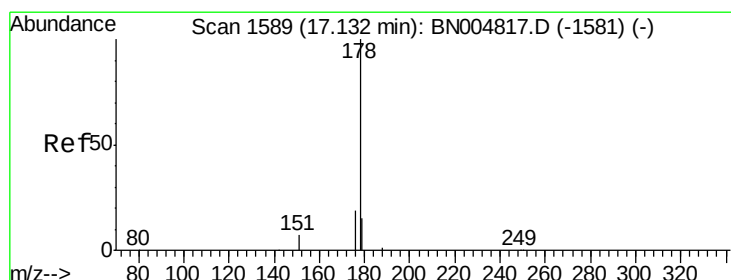
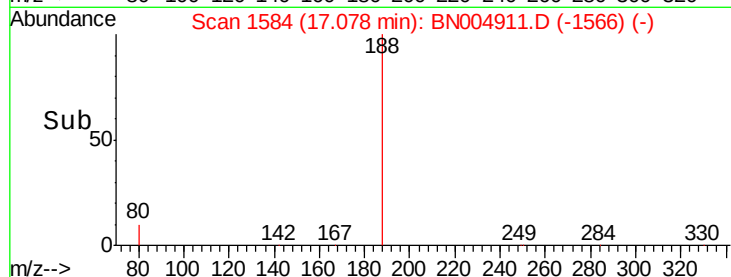
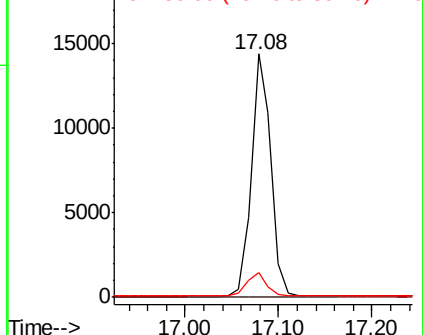
80 10.3 7.4 11.2



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: 0.666 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

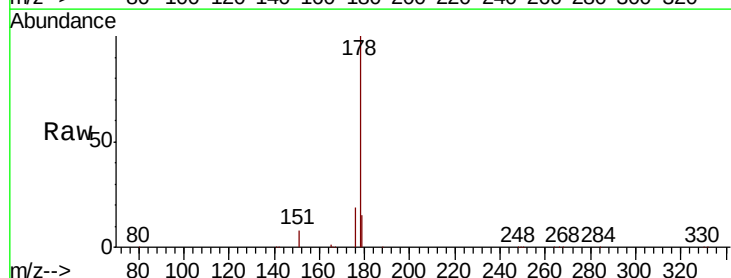
Tgt Ion:178 Resp: 44695

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

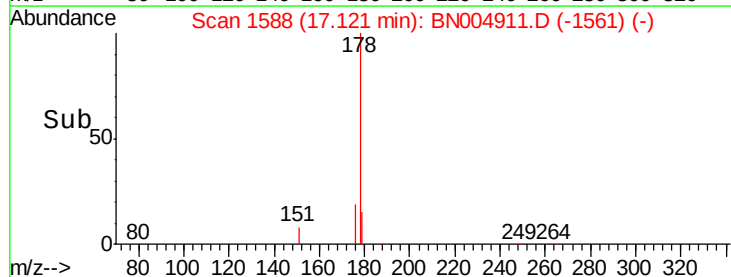
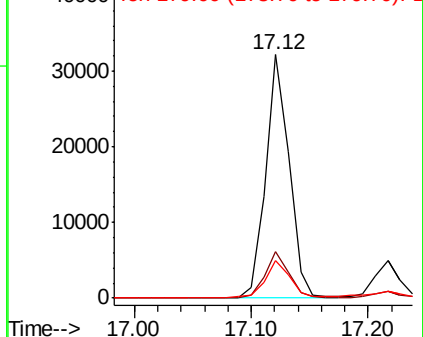
179 15.5 12.1 18.1

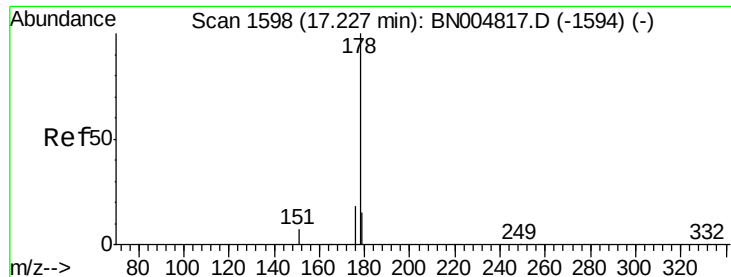


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.114 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Instrument :

BNA_N

ClientSampleId :

PST-026-SW031-031819

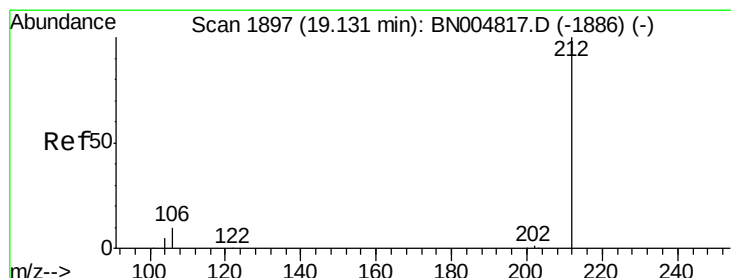
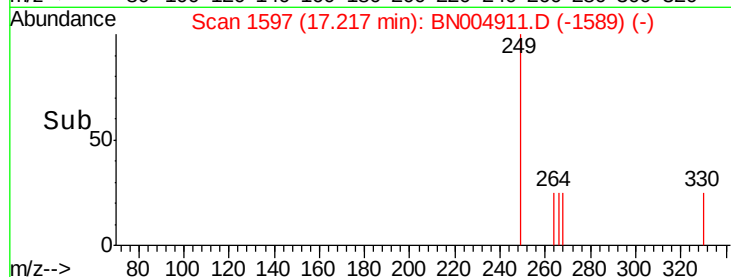
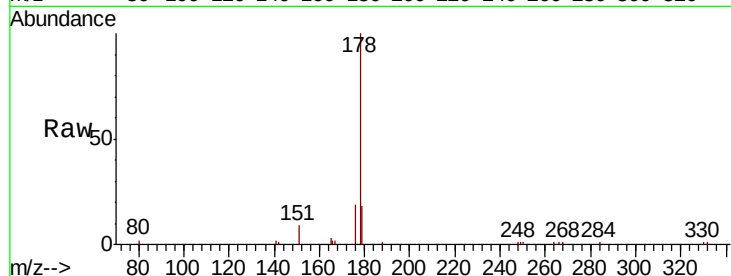
Tgt Ion:178 Resp: 6855

Ion Ratio Lower Upper

178 100

176 18.2 14.5 21.7

179 19.2 12.2 18.4#



#25

Fluoranthene-d10

Concen: 0.228 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

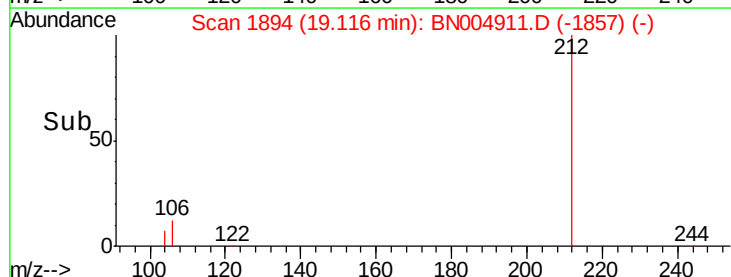
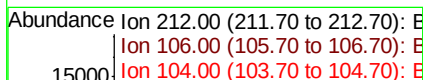
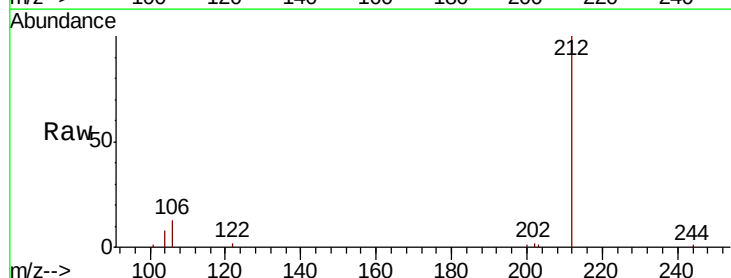
Tgt Ion:212 Resp: 15893

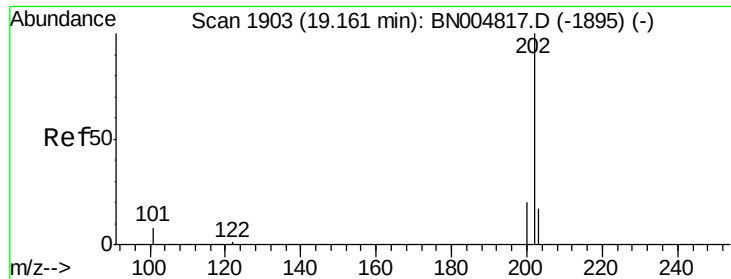
Ion Ratio Lower Upper

212 100

106 12.1 8.6 13.0

104 6.7 4.7 7.1

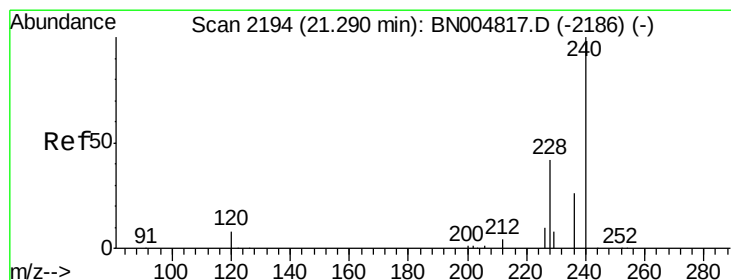
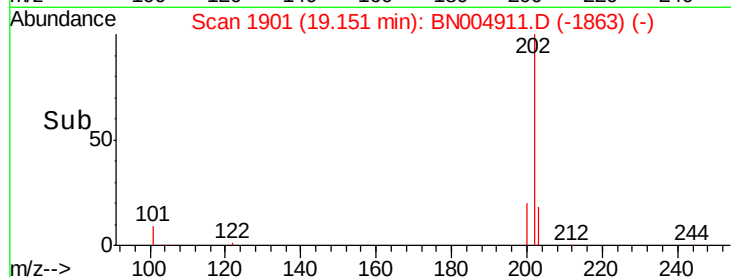
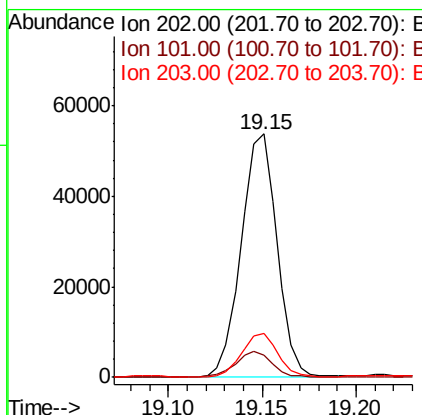
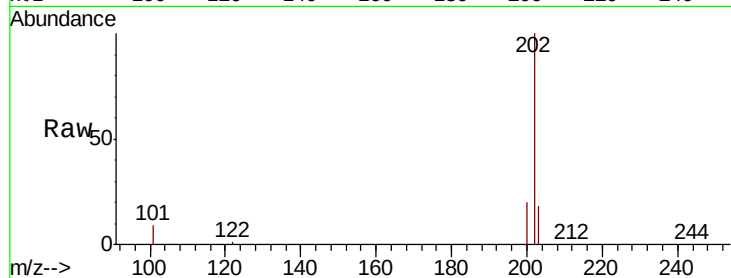




#26
Fluoranthene
Concen: 0.823 ng
RT: 19.15 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

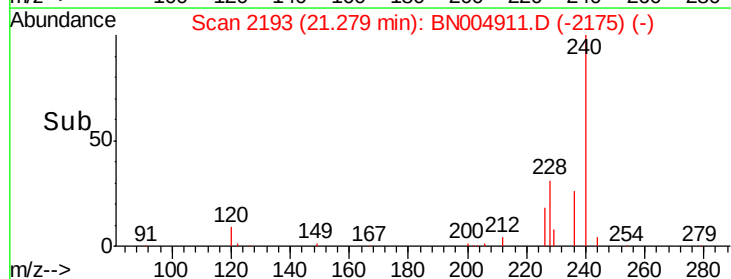
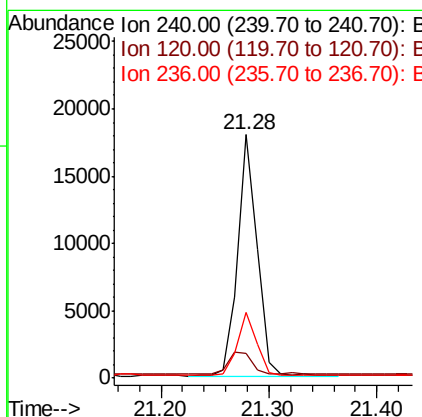
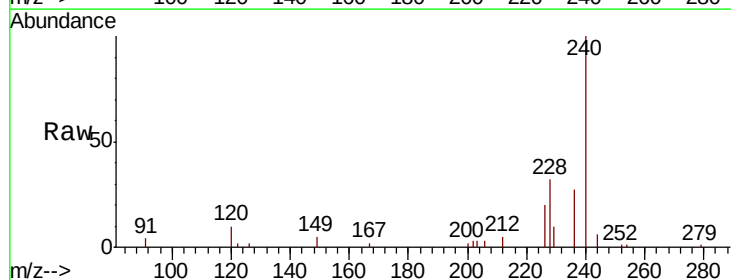
Instrument :
BNA_N
ClientSampleId :
PST-026-SW031-031819

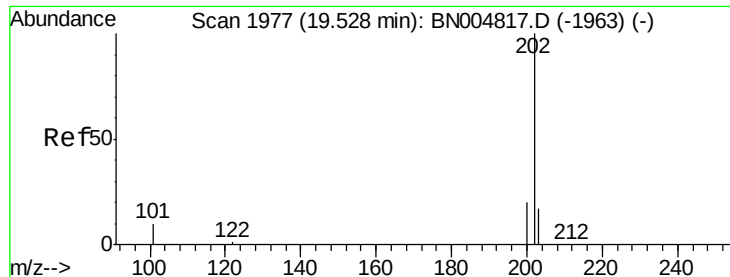
Tgt Ion: 202 Resp: 70981
Ion Ratio Lower Upper
202 100
101 10.4 7.5 11.3
203 17.7 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

Tgt Ion: 240 Resp: 22269
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 27.1 20.9 31.3

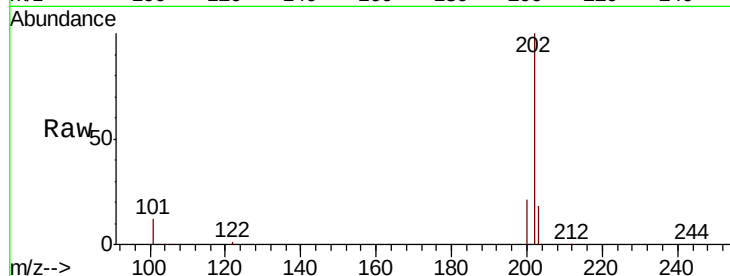




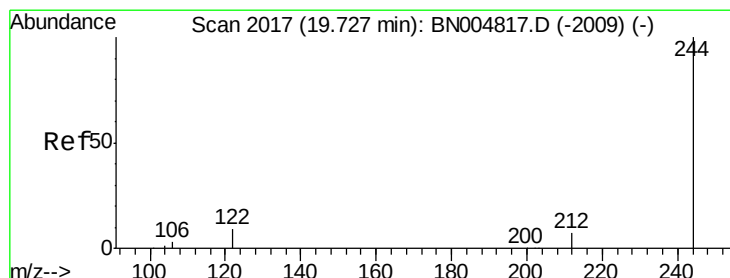
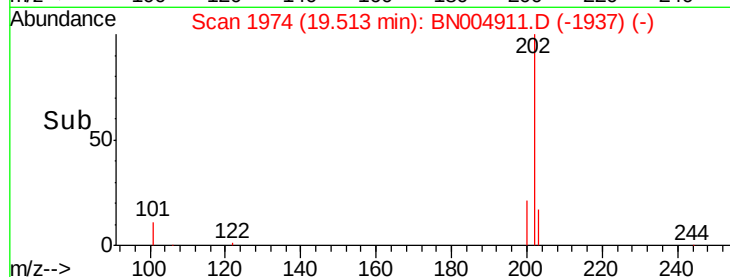
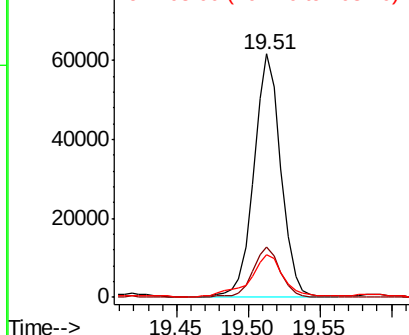
#28
 Pyrene
 Concen: 1.183 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BN004911.D
 Acq: 23 Mar 2019 06:48

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW031-031819

Tgt Ion: 202 Resp: 80323
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.3 24.5
 203 20.7 14.0 21.0

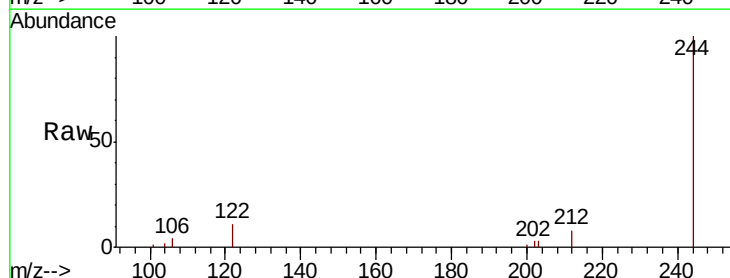


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

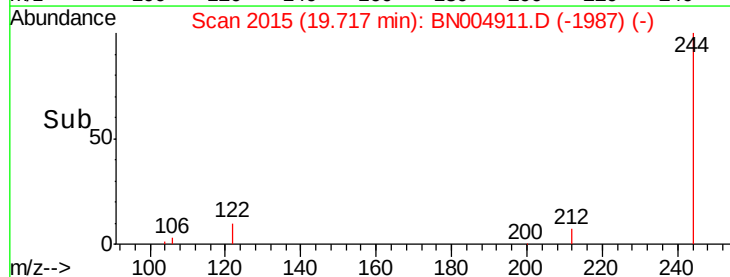
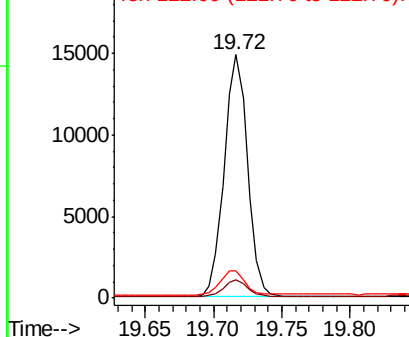


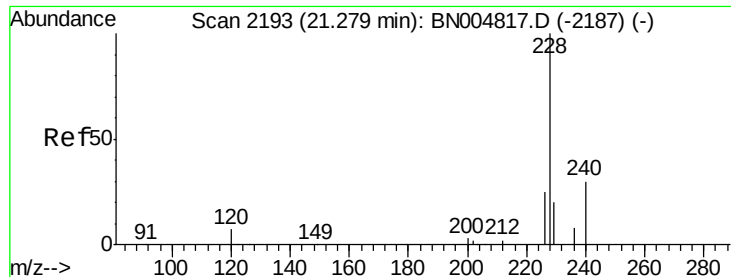
#29
 Terphenyl-d14
 Concen: 0.385 ng
 RT: 19.72 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BN004911.D
 Acq: 23 Mar 2019 06:48

Tgt Ion: 244 Resp: 17564
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.6
 122 11.2 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

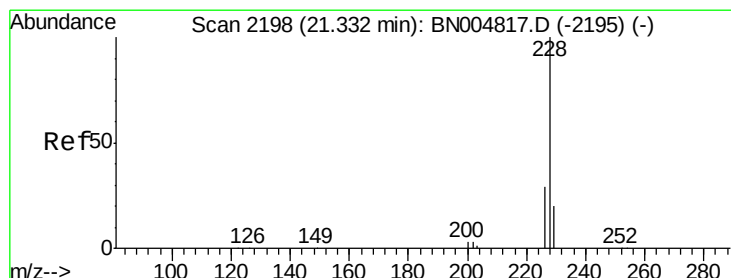
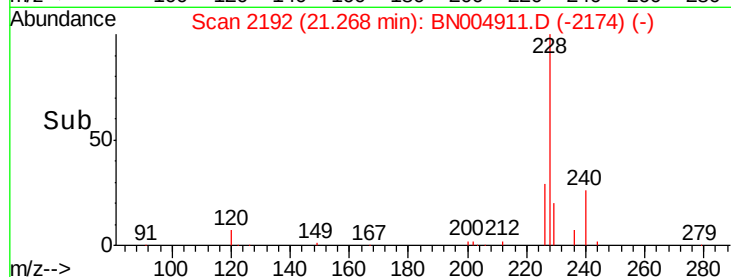
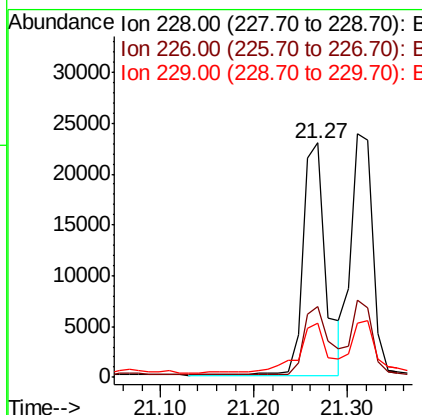
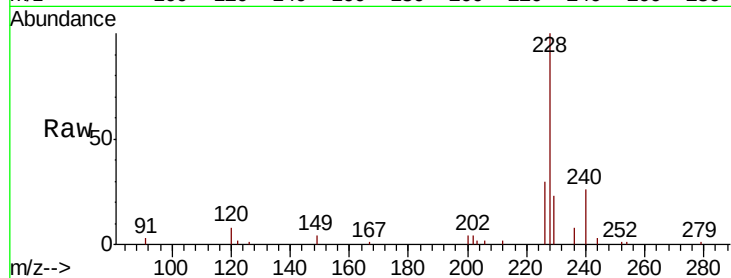




#30
Benzo(a)anthracene
Concen: 0.528 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

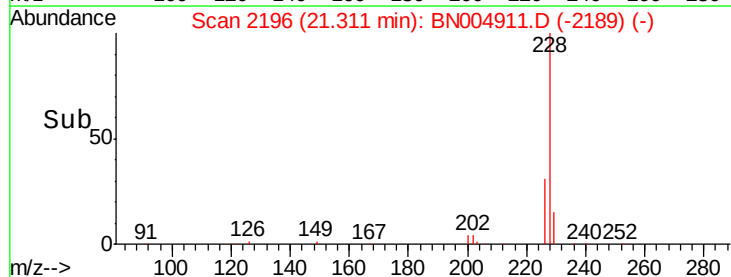
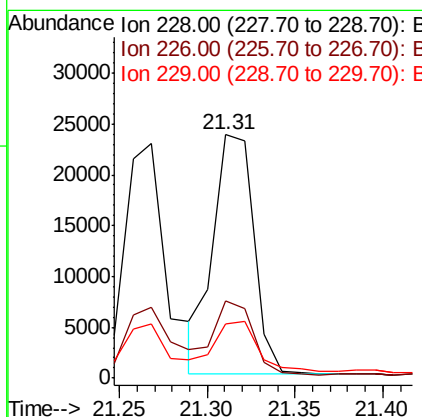
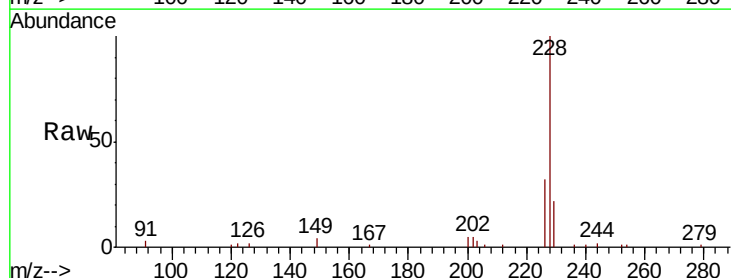
Instrument :
BNA_N
ClientSampleId :
PST-026-SW031-031819

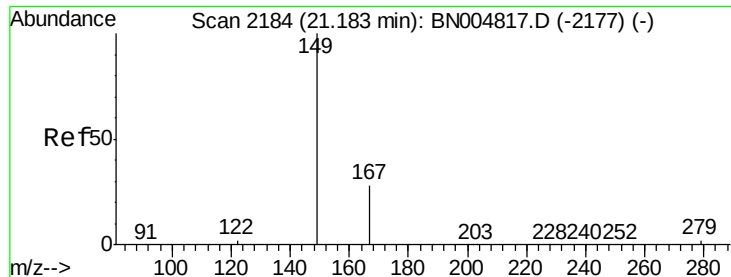
Tgt Ion:228 Resp: 38528
Ion Ratio Lower Upper
228 100
226 30.3 20.6 31.0
229 23.0 16.2 24.4



#31
Chrysene
Concen: 0.492 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

Tgt Ion:228 Resp: 37837
Ion Ratio Lower Upper
228 100
226 31.6 23.0 34.6
229 22.2 16.2 24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.176 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Instrument :

BNA_N

ClientSampleId :

PST-026-SW031-031819

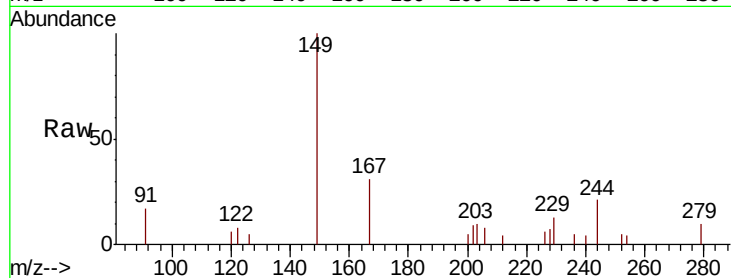
Tgt Ion:149 Resp: 5147

Ion Ratio Lower Upper

149 100

167 27.5 23.0 34.4

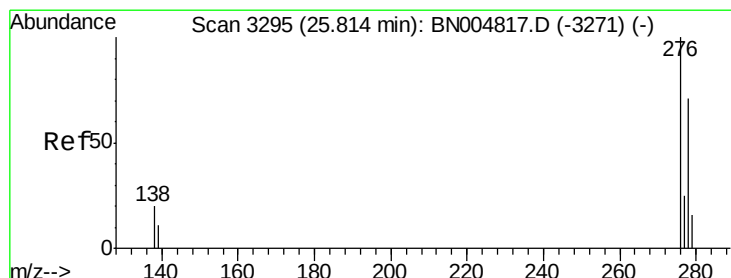
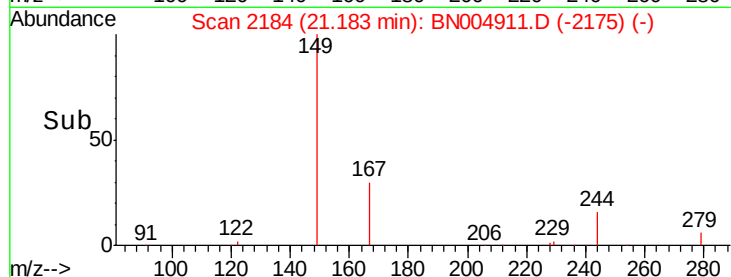
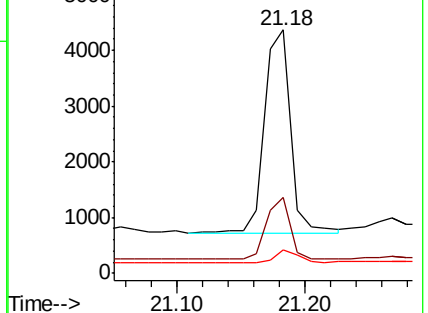
279 5.8 4.6 6.8



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: 0.146 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.02 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

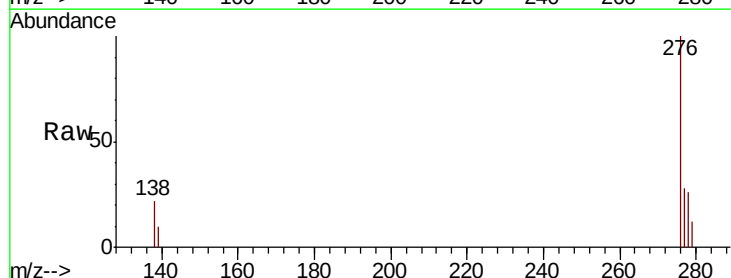
Tgt Ion:276 Resp: 16242

Ion Ratio Lower Upper

276 100

138 19.8 16.6 24.8

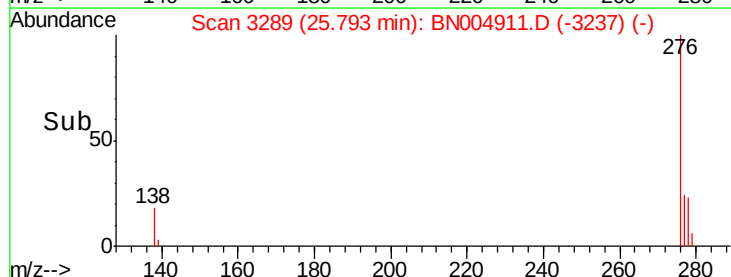
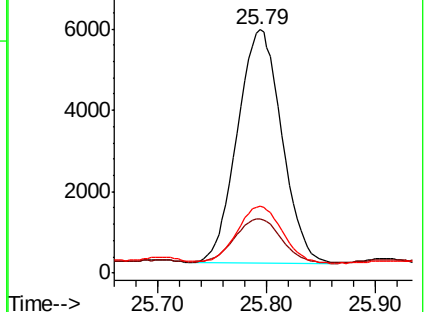
277 24.9 20.3 30.5

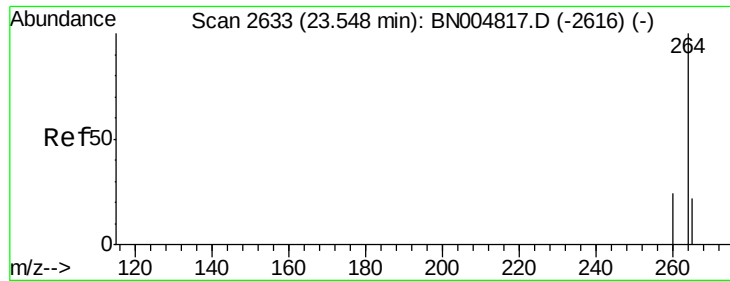


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

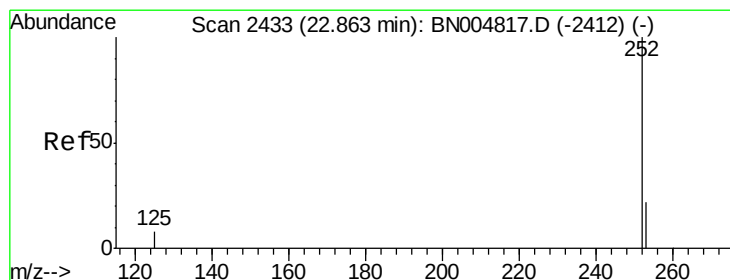
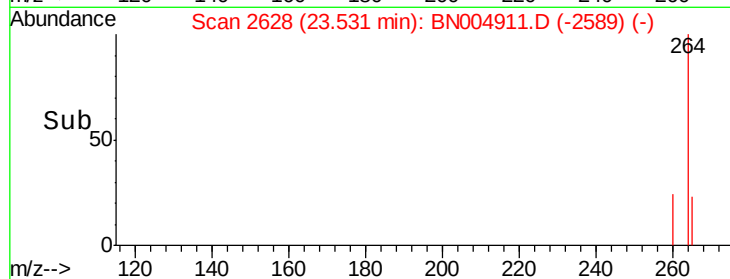
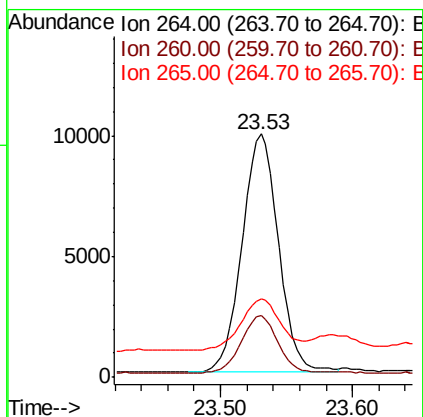
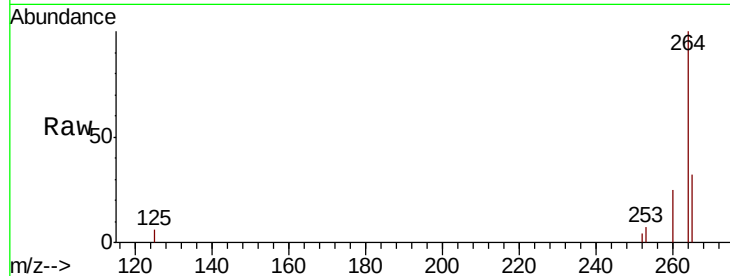




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BN004911.D
 Acq: 23 Mar 2019 06:48

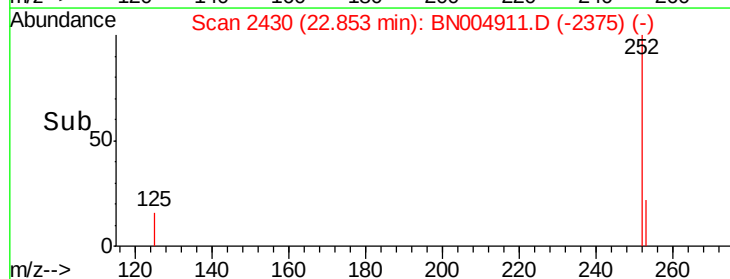
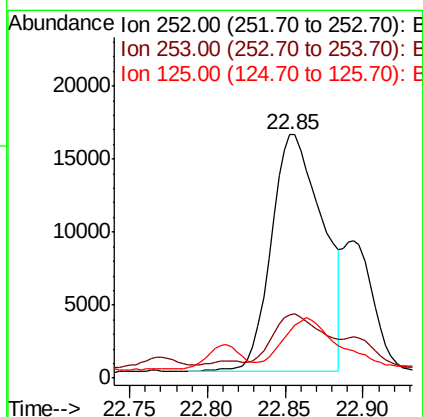
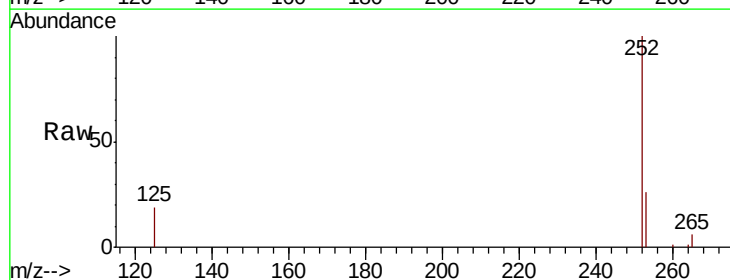
Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW031-031819

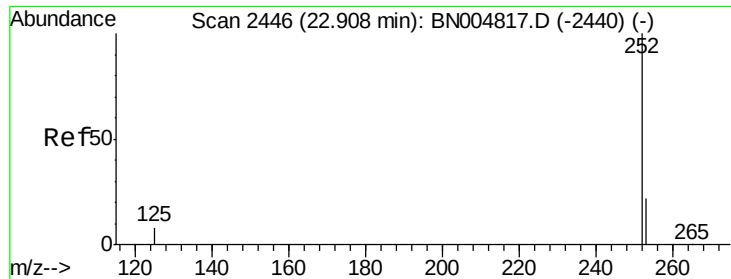
Tgt Ion: 264 Resp: 19010
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.5 29.3
 265 32.5 23.1 34.7



#35
Benzo(b)fluoranthene
 Concen: 0.543 ng
 RT: 22.85 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BN004911.D
 Acq: 23 Mar 2019 06:48

Tgt Ion: 252 Resp: 37333
 Ion Ratio Lower Upper
 252 100
 253 26.1 19.0 28.4
 125 19.1 7.4 11.2#

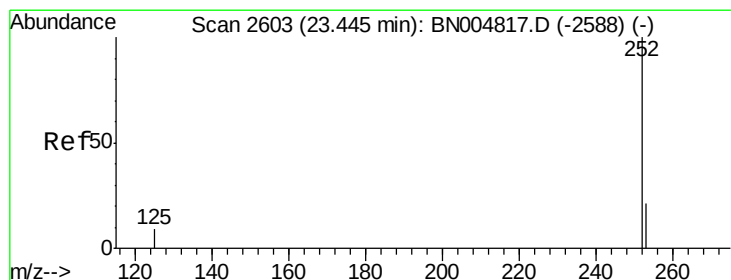
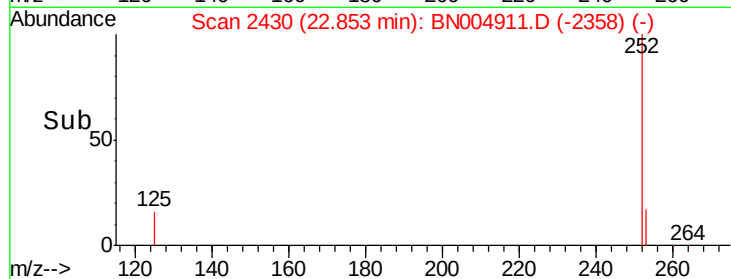
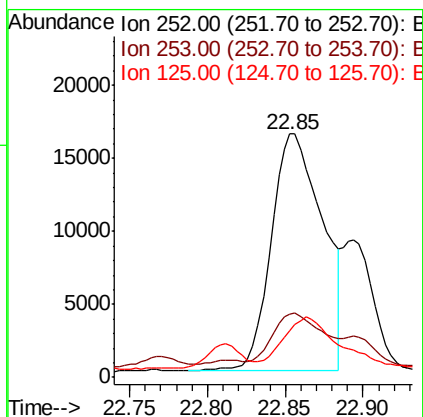
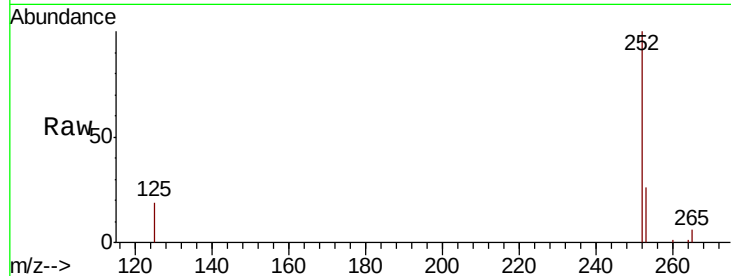




#36
Benzo(k)fluoranthene
Concen: 0.552 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.05 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

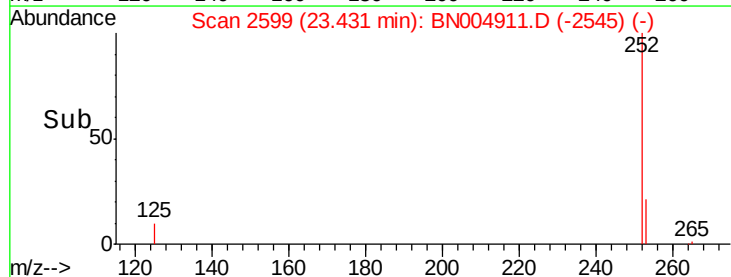
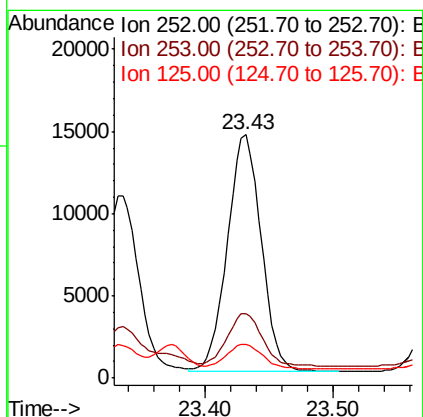
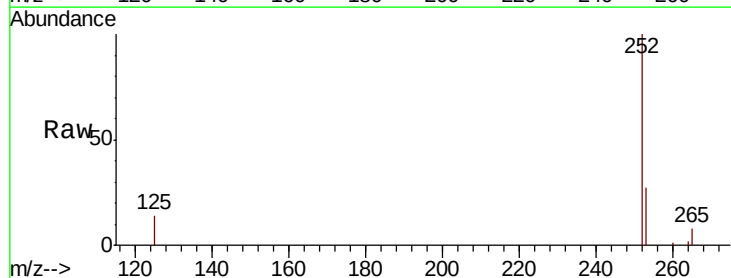
Instrument :
BNA_N
ClientSampleId :
PST-026-SW031-031819

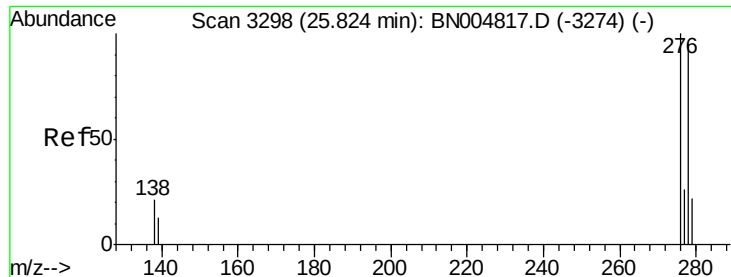
Tgt Ion: 252 Resp: 37333
Ion Ratio Lower Upper
252 100
253 26.1 19.3 28.9
125 19.1 7.4 11.0#



#37
Benzo(a)pyrene
Concen: 0.418 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004911.D
Acq: 23 Mar 2019 06:48

Tgt Ion: 252 Resp: 26349
Ion Ratio Lower Upper
252 100
253 26.6 19.7 29.5
125 14.1 8.3 12.5#





#38

Dibenzo(a,h)anthracene

Concen: 0.065 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.03 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

Instrument :

BNA_N

ClientSampleId :

PST-026-SW031-031819

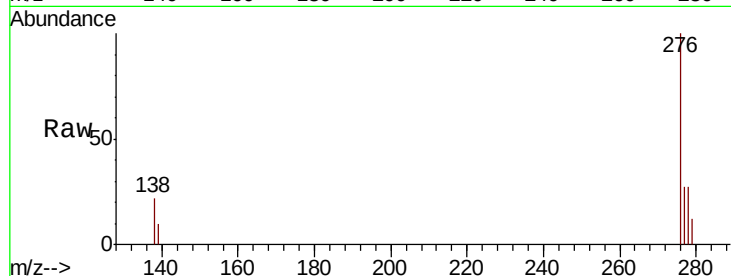
Tgt Ion: 278 Resp: 4736

Ion Ratio Lower Upper

278 100

139 36.1 11.7 17.5#

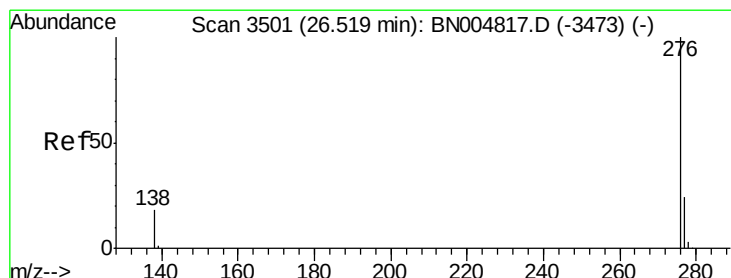
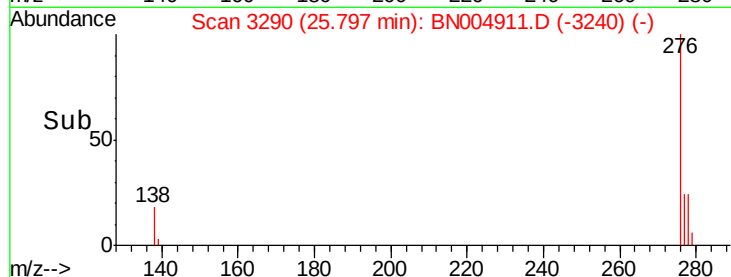
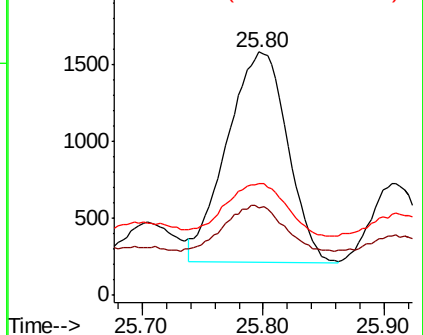
279 46.0 19.9 29.9#



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



#39

Benzo(g,h,i)perylene

Concen: 0.233 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004911.D

Acq: 23 Mar 2019 06:48

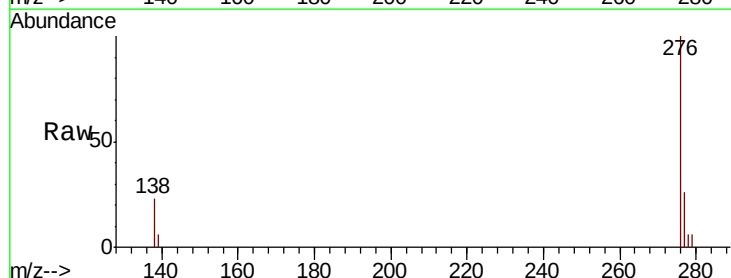
Tgt Ion: 276 Resp: 17331

Ion Ratio Lower Upper

276 100

277 26.5 19.7 29.5

138 22.8 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

