

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032219\
 Data File : BN004916.D
 Acq On : 23 Mar 2019 09:43
 Operator : JU/SJ
 Sample : K2013-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW036-031819

Quant Time: Mar 24 00:36:35 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	4331	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	18381	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	9962	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	23036	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	20933	0.40	ng	-0.01
34) Perylene-d12	23.53	264	19082	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	4914	0.42	ng	0.00
5) Phenol-d6	6.86	99	6300	0.43	ng	-0.02
8) Nitrobenzene-d5	8.86	82	4842	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	10452	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	2343	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	15195	0.37	ng	-0.01
25) Fluoranthene-d10	19.12	212	24426	0.32	ng	-0.01
29) Terphenyl-d14	19.72	244	17970	0.42	ng	-0.01

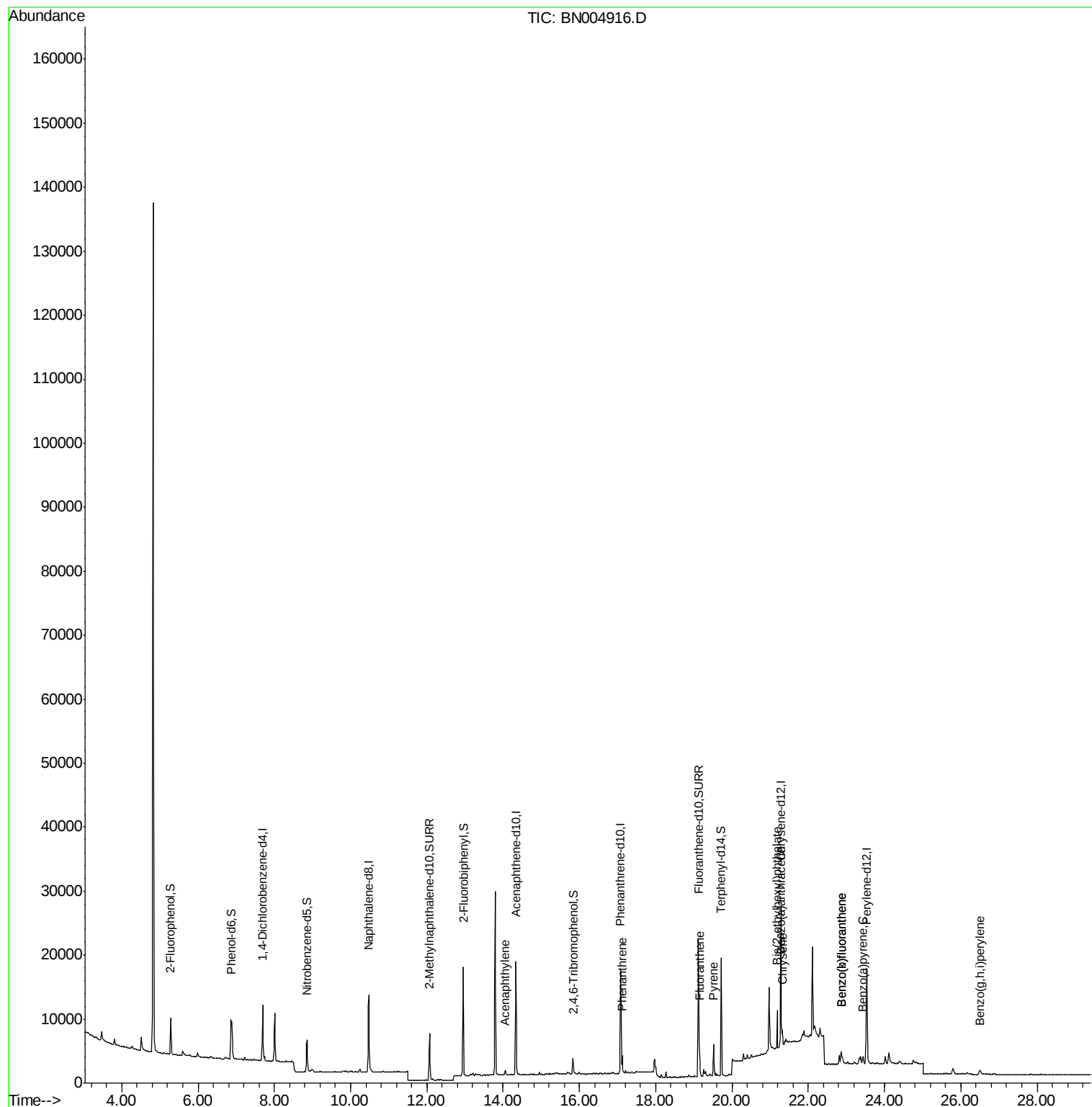
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	14.05	152	1049	0.020	ng	96
23) Phenanthrene	17.12	178	2862	0.038	ng	96
26) Fluoranthene	19.15	202	4279	0.045	ng	# 94
28) Pyrene	19.52	202	4650	0.073	ng	# 96
30) Benzo(a)anthracene	21.27	228	2030	0.030	ng	# 71
31) Chrysene	21.32	228	2145	0.030	ng	# 77
32) Bis(2-ethylhexyl)phthalate	21.18	149	5495	0.200	ng	98
35) Benzo(b)fluoranthene	22.86	252	2156	0.031	ng	# 1
36) Benzo(k)fluoranthene	22.86	252	2156	0.032	ng	# 1
37) Benzo(a)pyrene	23.43	252	1631	0.026	ng	# 1
39) Benzo(g,h,i)perylene	26.50	276	1521	0.020	ng	# 42

(#) = 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: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

ClientSampleId :

PST-026-SW036-031819

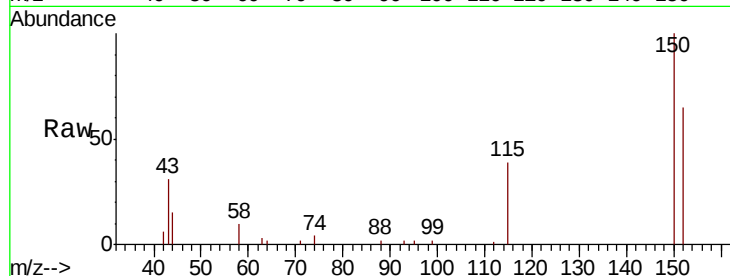
Tgt Ion:152 Resp: 4331

Ion Ratio Lower Upper

152 100

150 154.7 126.2 189.4

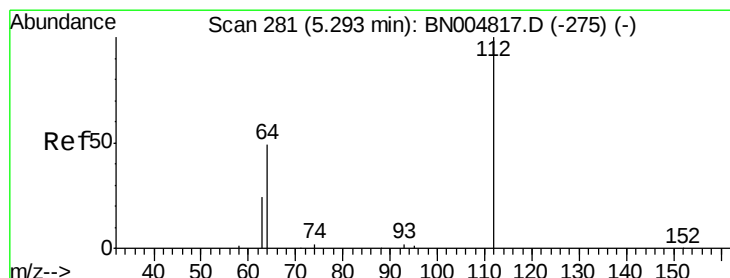
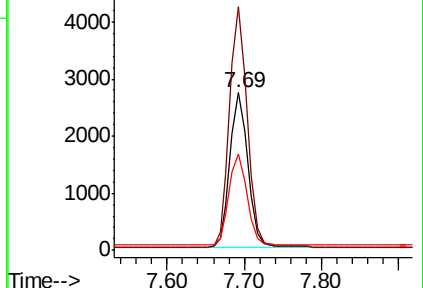
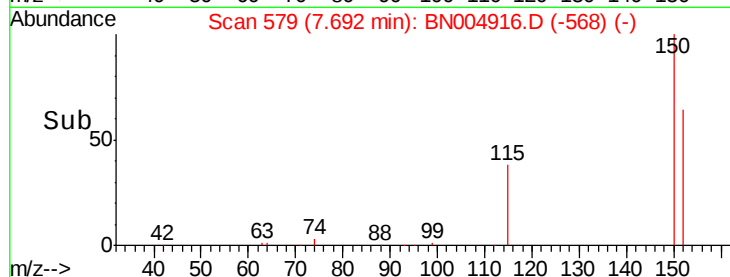
115 61.0 52.6 79.0



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: 0.417 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

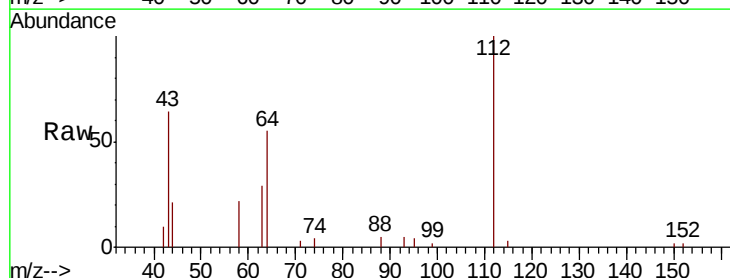
Tgt Ion:112 Resp: 4914

Ion Ratio Lower Upper

112 100

64 51.8 40.0 60.0

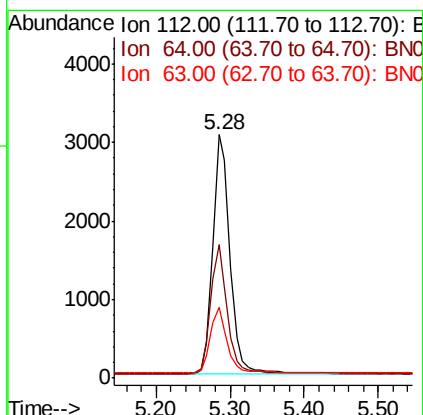
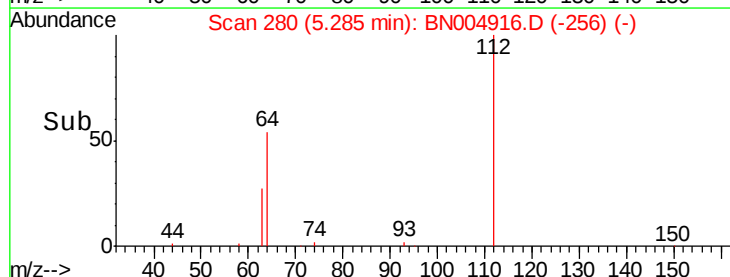
63 26.2 20.2 30.2

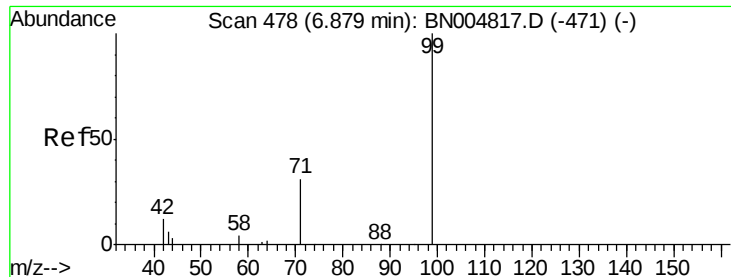


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.430 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

ClientSampleId :

PST-026-SW036-031819

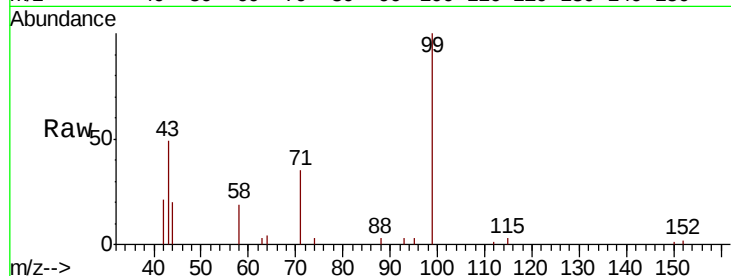
Tgt Ion: 99 Resp: 6300

Ion Ratio Lower Upper

99 100

42 18.9 12.7 19.1

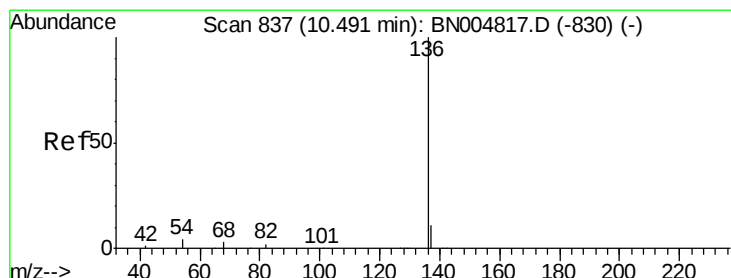
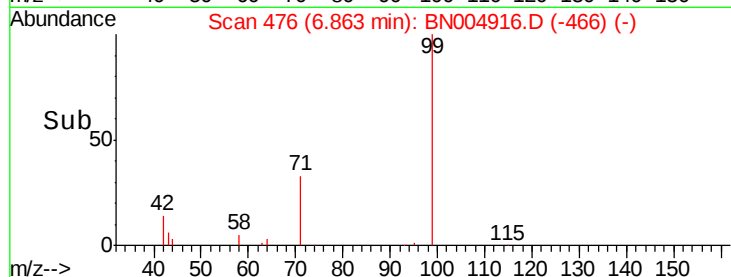
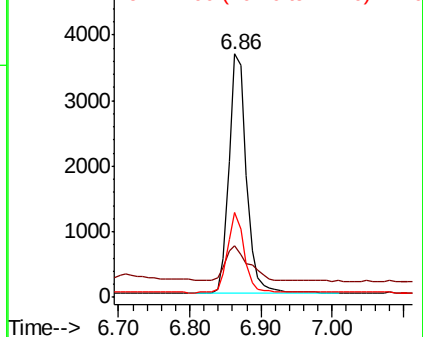
71 31.9 26.6 40.0



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: BN004916.D

Acq: 23 Mar 2019 09:43

Tgt Ion: 136 Resp: 18381

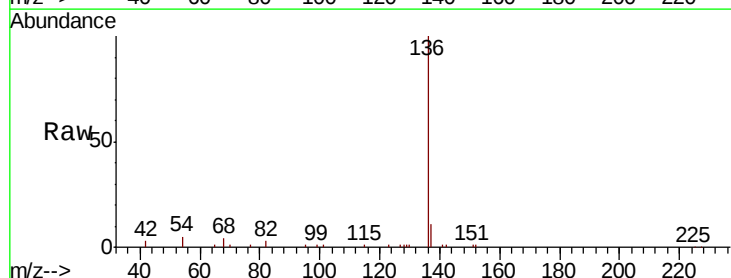
Ion Ratio Lower Upper

136 100

137 11.4 9.6 14.4

54 4.9 4.2 6.2

68 4.4 3.9 5.9

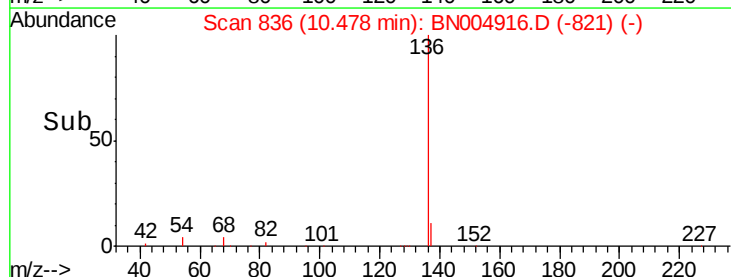
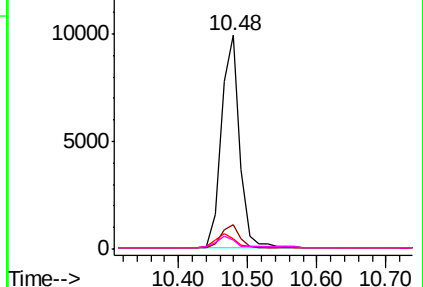


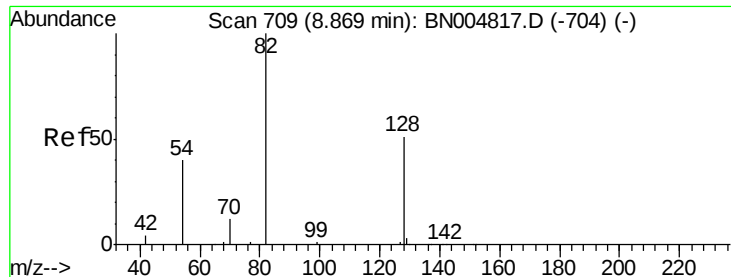
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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

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

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

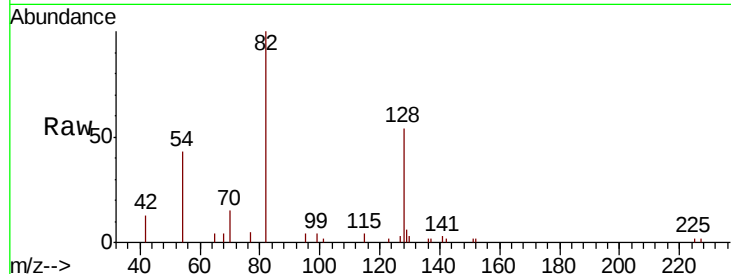




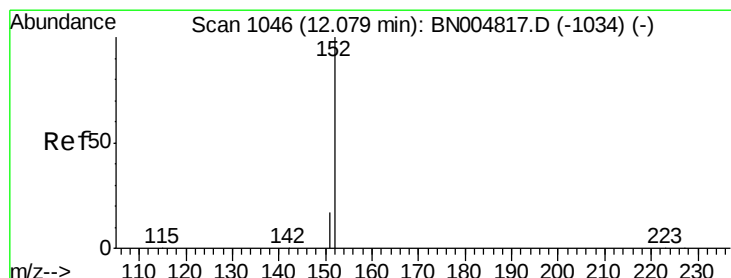
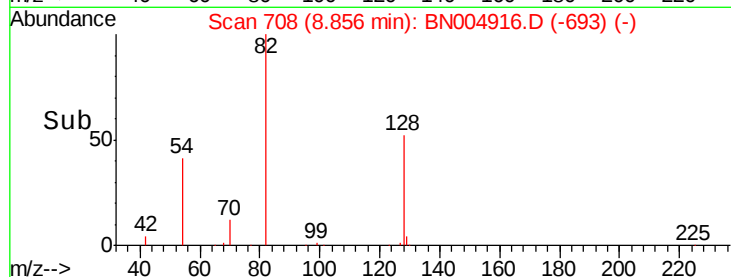
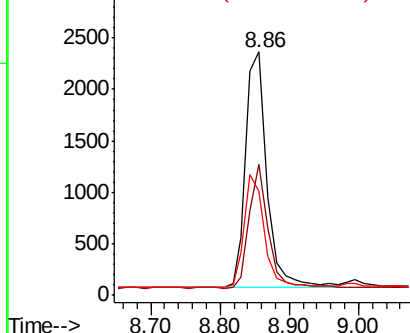
#8
 Nitrobenzene-d5
 Concen: 0.398 ng
 RT: 8.86 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: BN004916.D
 Acq: 23 Mar 2019 09:43

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW036-031819

Tgt Ion: 82 Resp: 4842
 Ion Ratio Lower Upper
 82 100
 128 53.8 43.0 64.6
 54 43.0 35.3 52.9

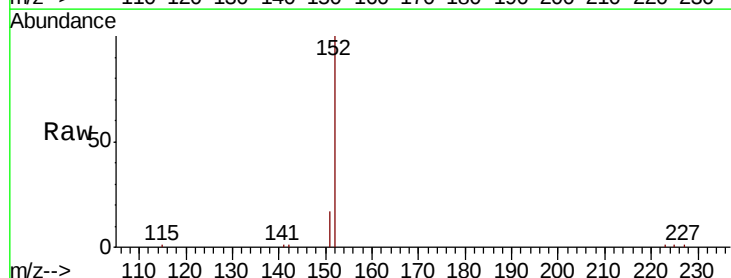


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

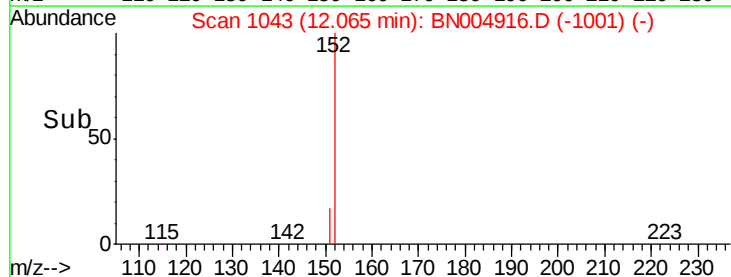
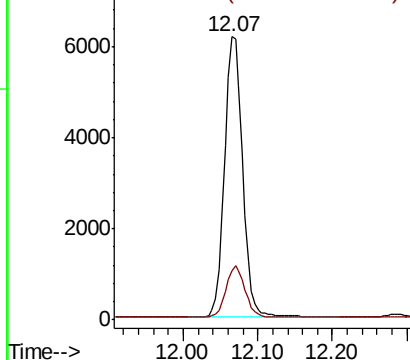


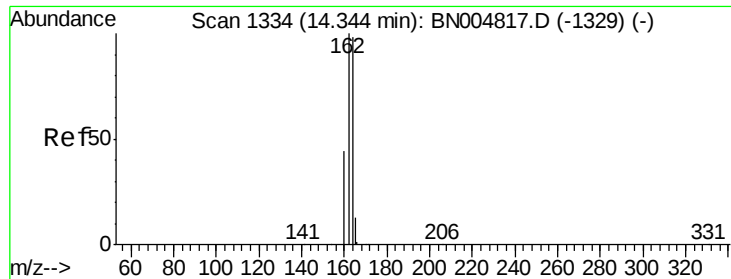
#11
 2-Methylnaphthalene-d10
 Concen: 0.326 ng
 RT: 12.07 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BN004916.D
 Acq: 23 Mar 2019 09:43

Tgt Ion: 152 Resp: 10452
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.5 23.3



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





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

ClientSampleId :

PST-026-SW036-031819

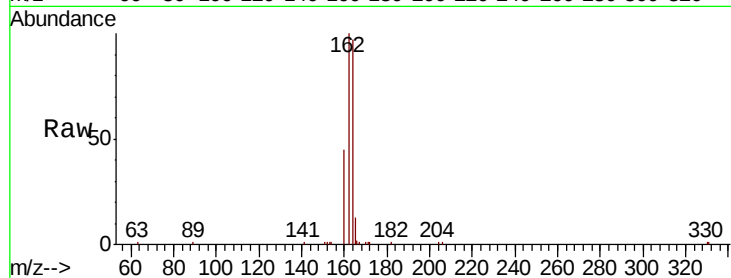
Tgt Ion:164 Resp: 9962

Ion Ratio Lower Upper

164 100

162 103.4 81.9 122.9

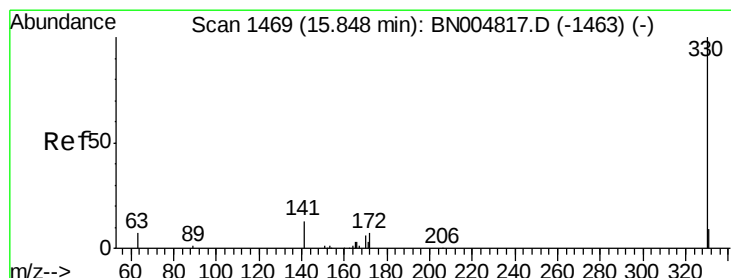
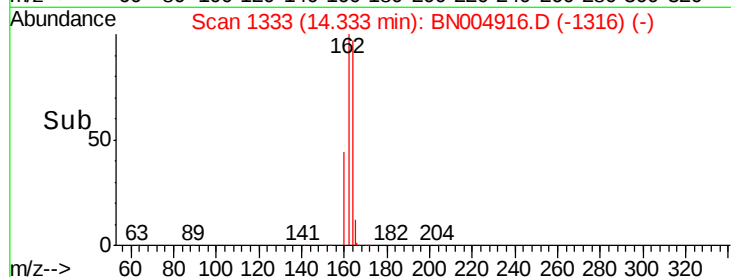
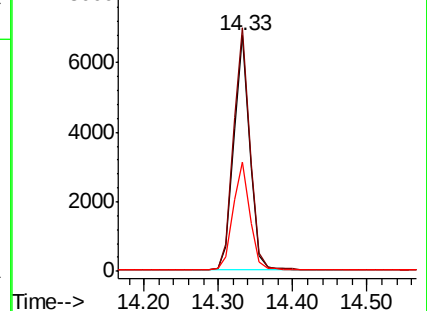
160 46.3 36.6 54.8



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: 0.341 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

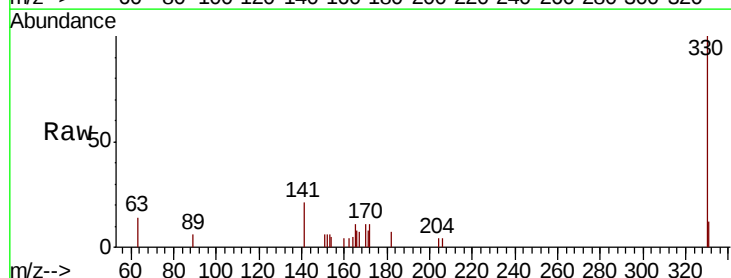
Tgt Ion:330 Resp: 2343

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

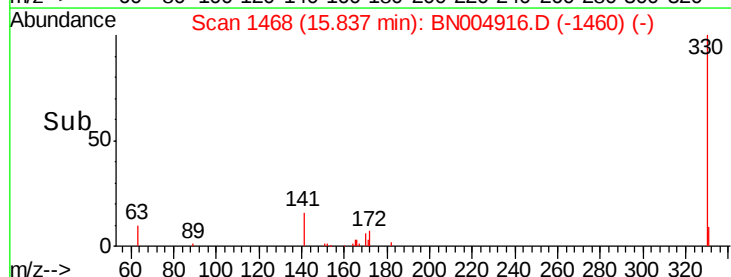
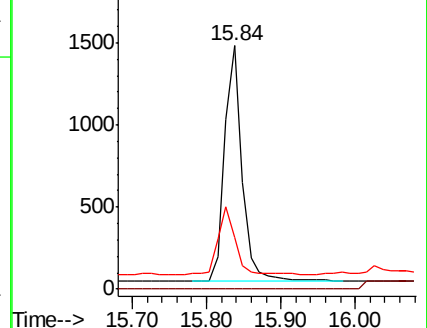
141 30.4 20.9 31.3

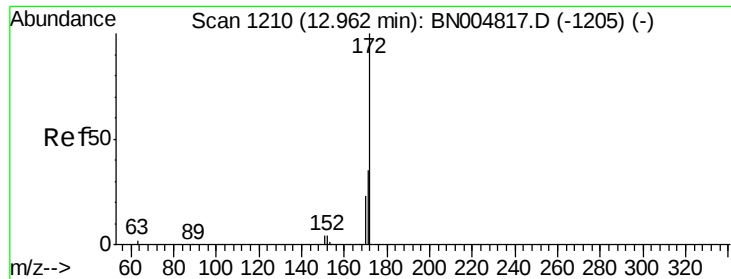


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

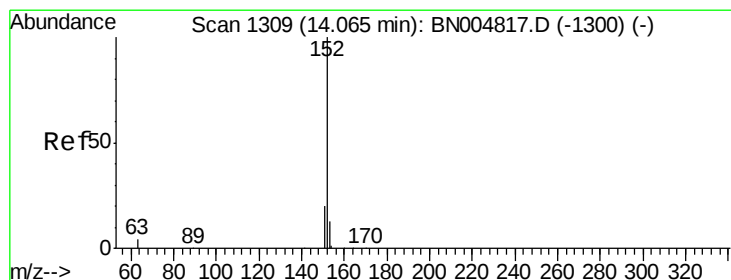
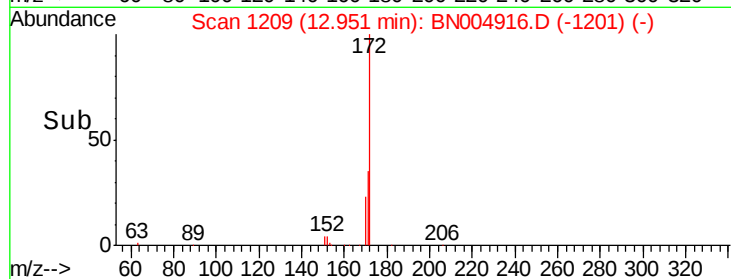
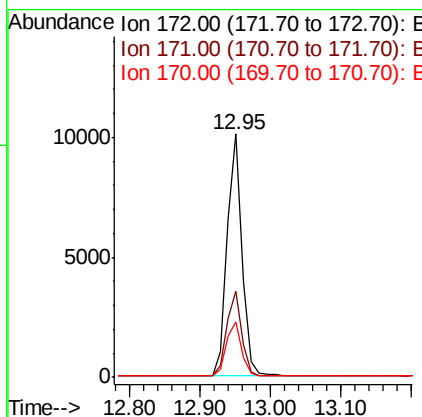
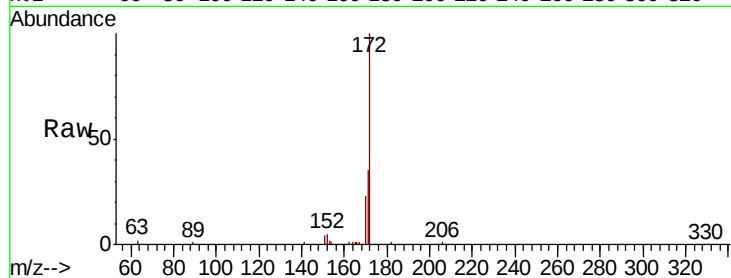




#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004916.D
Acq: 23 Mar 2019 09:43

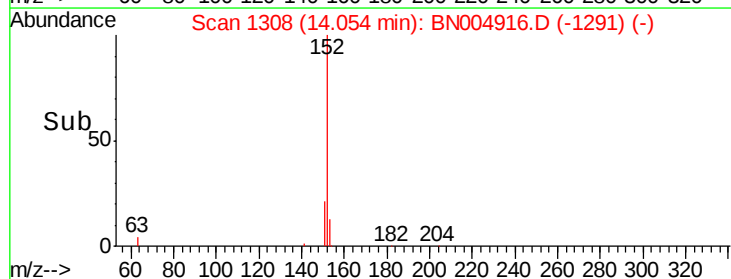
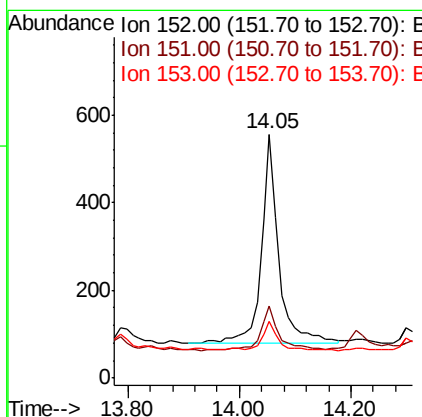
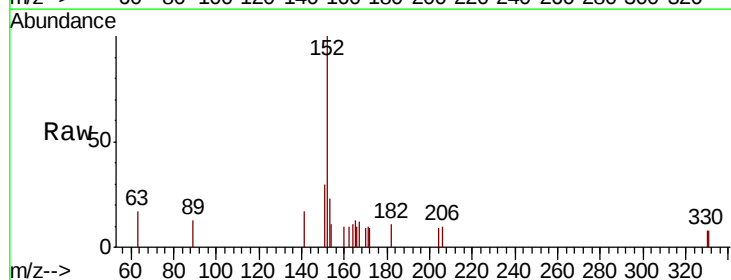
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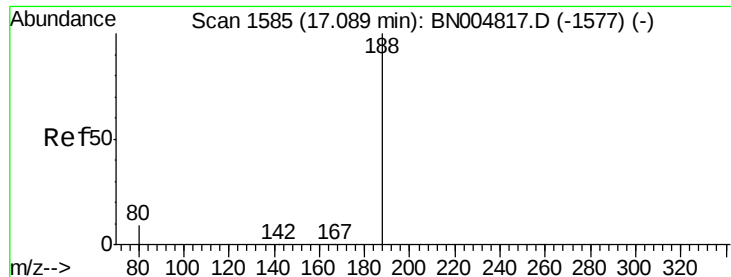
Tgt Ion:172 Resp: 15195
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 22.9 18.7 28.1



#16
Acenaphthylene
Concen: 0.020 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004916.D
Acq: 23 Mar 2019 09:43

Tgt Ion:152 Resp: 1049
Ion Ratio Lower Upper
152 100
151 23.0 16.1 24.1
153 13.2 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: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

ClientSampleId :

PST-026-SW036-031819

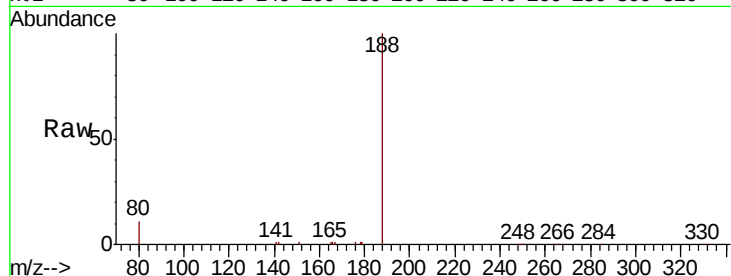
Tgt Ion:188 Resp: 23036

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

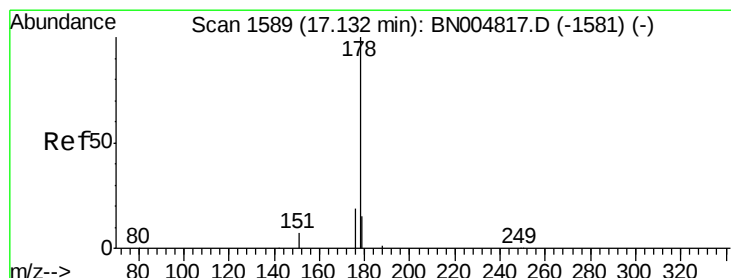
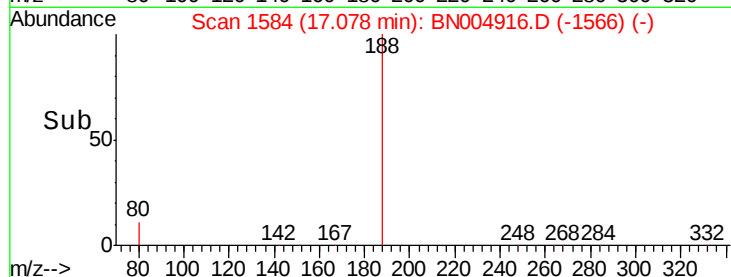
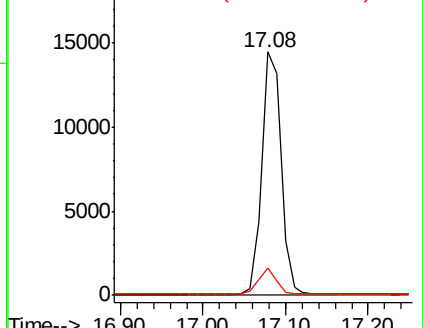
80 11.4 7.4 11.2#



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: 0.038 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

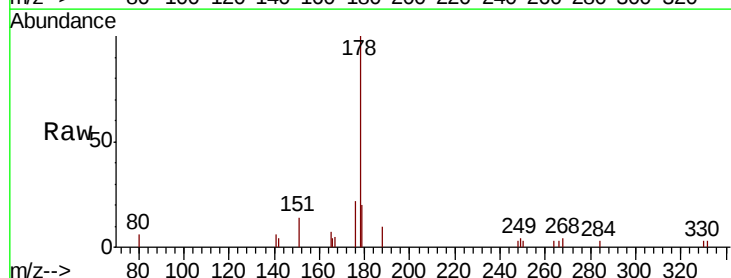
Tgt Ion:178 Resp: 2862

Ion Ratio Lower Upper

178 100

176 19.3 14.9 22.3

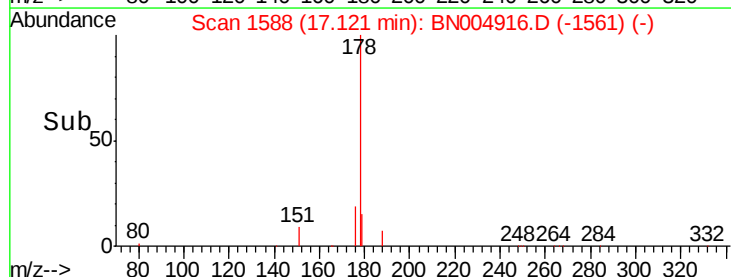
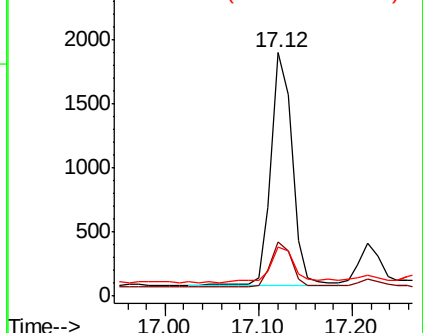
179 17.9 12.1 18.1

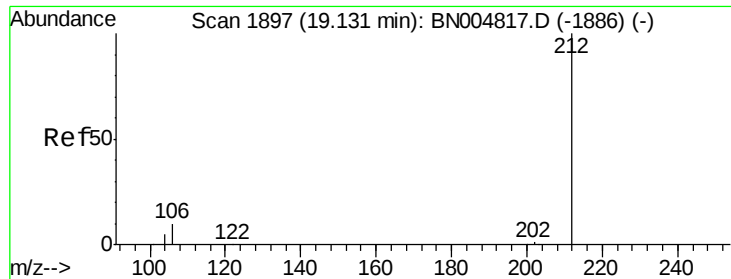


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

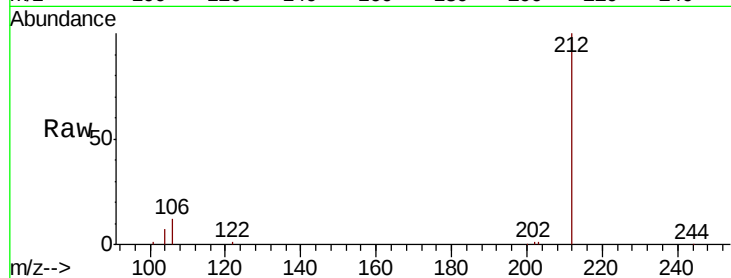




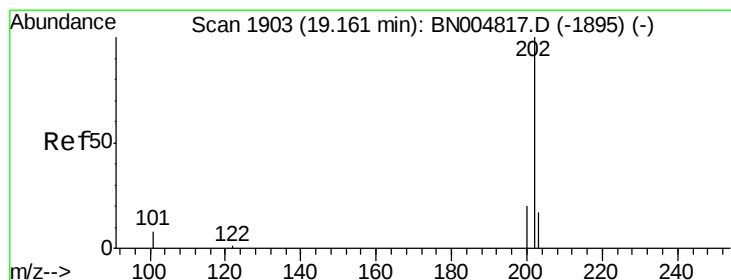
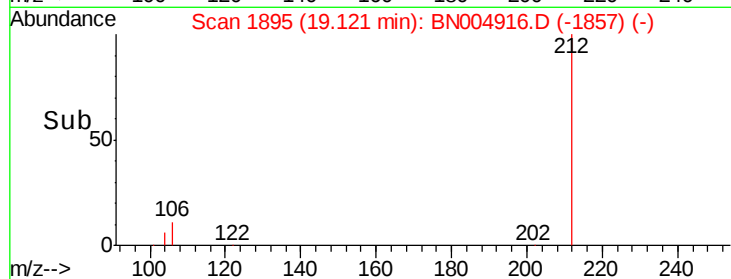
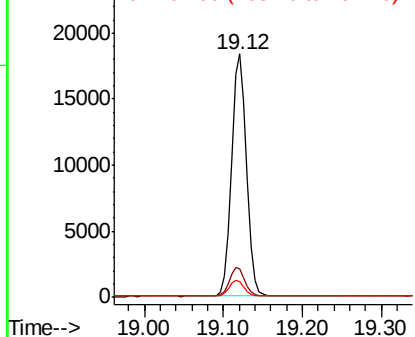
#25
 Fluoranthene-d10
 Concen: 0.317 ng
 RT: 19.12 min Scan# 1895
 Delta R.T. -0.01 min
 Lab File: BN004916.D
 Acq: 23 Mar 2019 09:43

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW036-031819

Tgt Ion: 212 Resp: 24426
 Ion Ratio Lower Upper
 212 100
 106 11.8 8.6 13.0
 104 6.6 4.7 7.1

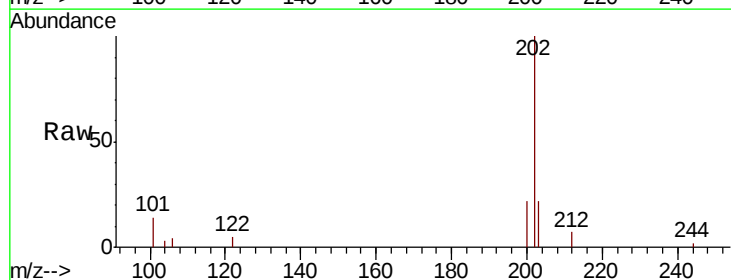


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

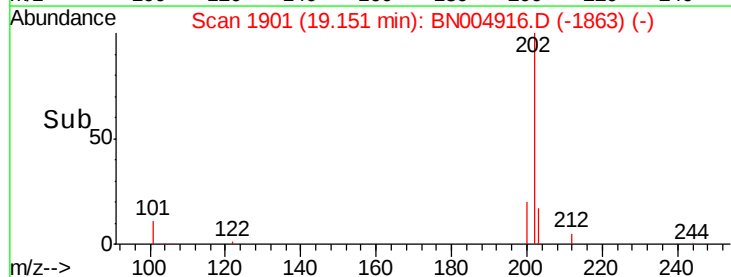
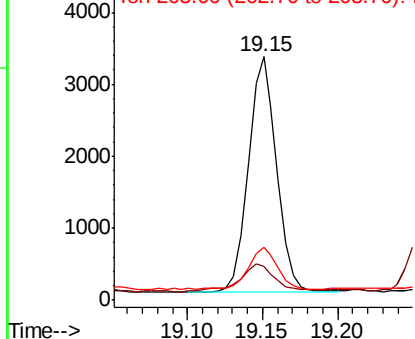


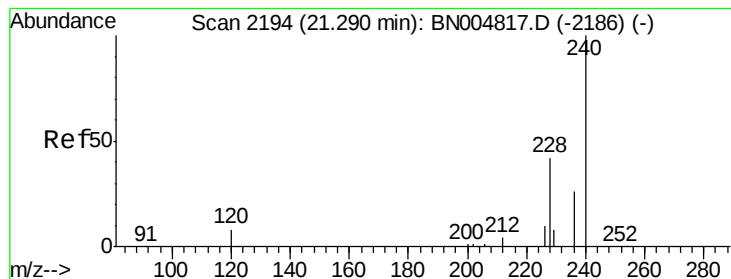
#26
 Fluoranthene
 Concen: 0.045 ng
 RT: 19.15 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: BN004916.D
 Acq: 23 Mar 2019 09:43

Tgt Ion: 202 Resp: 4279
 Ion Ratio Lower Upper
 202 100
 101 14.8 7.5 11.3#
 203 18.0 13.8 20.6



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

ClientSampleId :

PST-026-SW036-031819

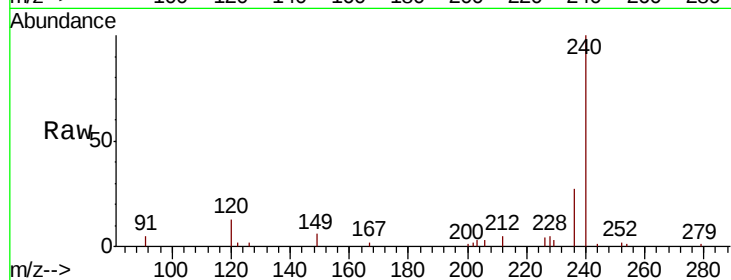
Tgt Ion:240 Resp: 20933

Ion Ratio Lower Upper

240 100

120 13.3 7.2 10.8#

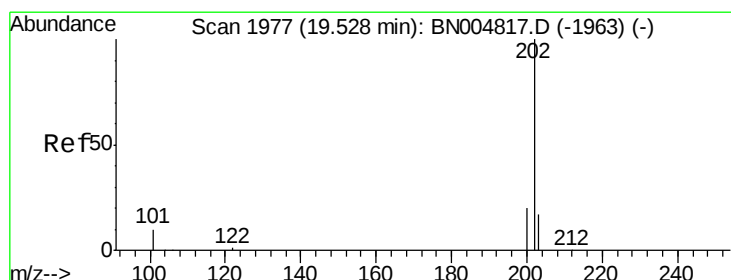
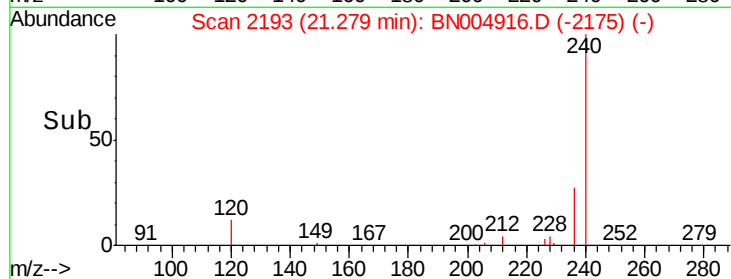
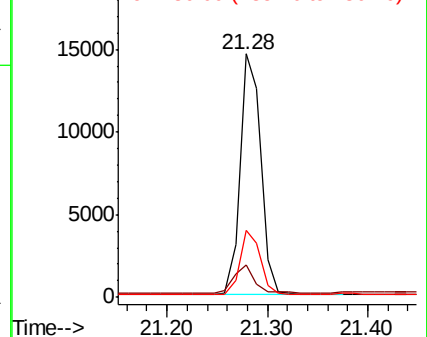
236 27.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.073 ng

RT: 19.52 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

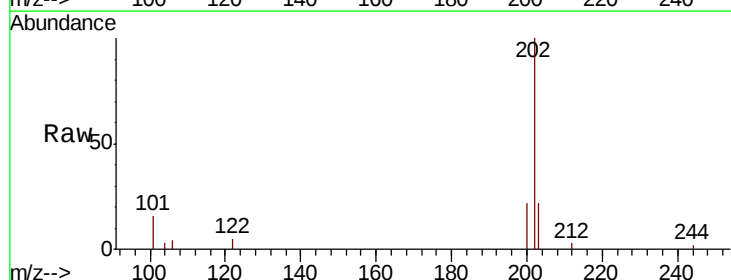
Tgt Ion:202 Resp: 4650

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

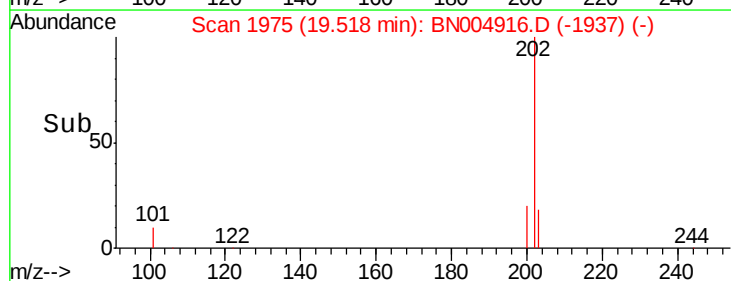
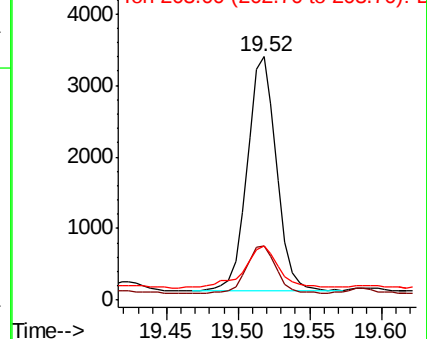
203 21.1 14.0 21.0#

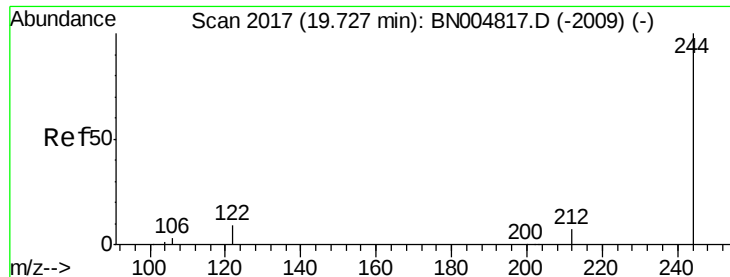


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.420 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

ClientSampleId :

PST-026-SW036-031819

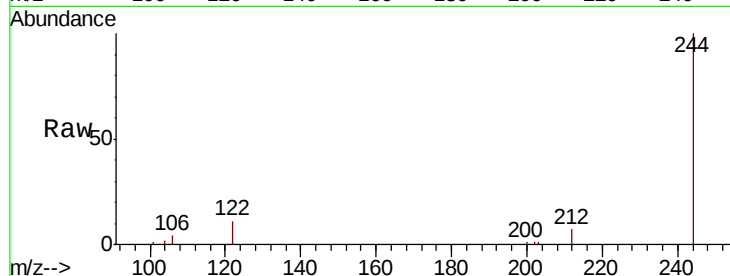
Tgt Ion:244 Resp: 17970

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 11.3 7.9 11.9

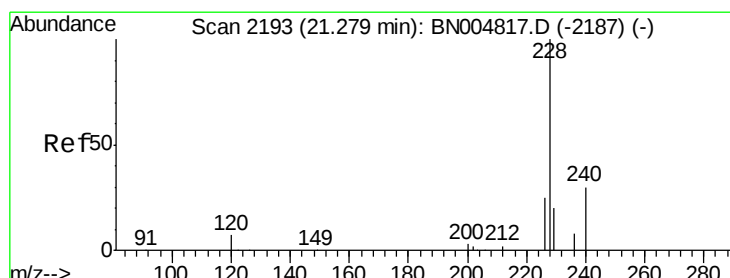
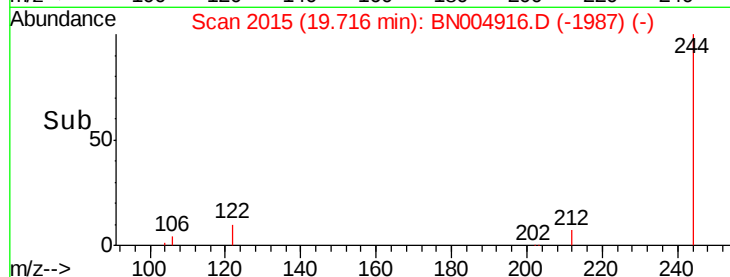
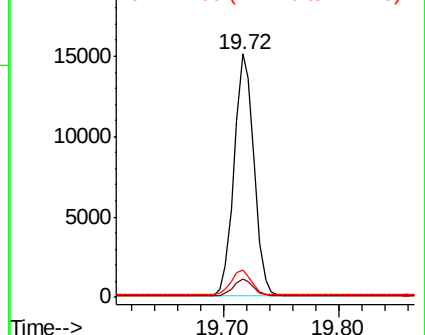


Abundance

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: 0.030 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

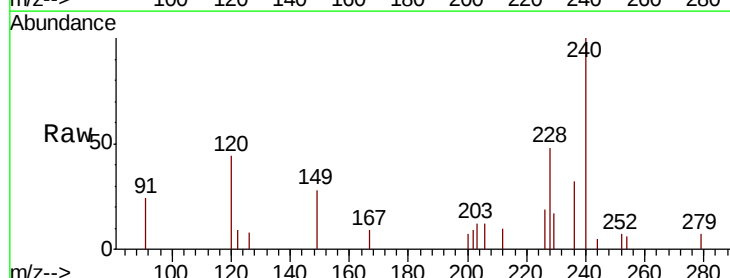
Tgt Ion:228 Resp: 2030

Ion Ratio Lower Upper

228 100

226 39.8 20.6 31.0#

229 34.6 16.2 24.4#

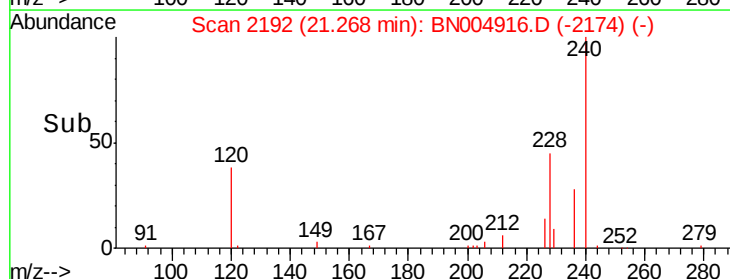
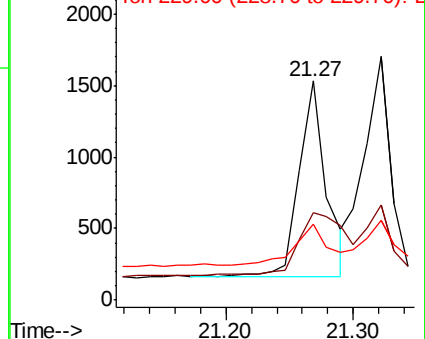


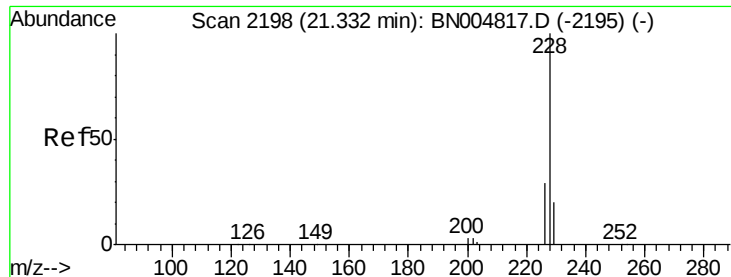
Abundance

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: 0.030 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

ClientSampleId :

PST-026-SW036-031819

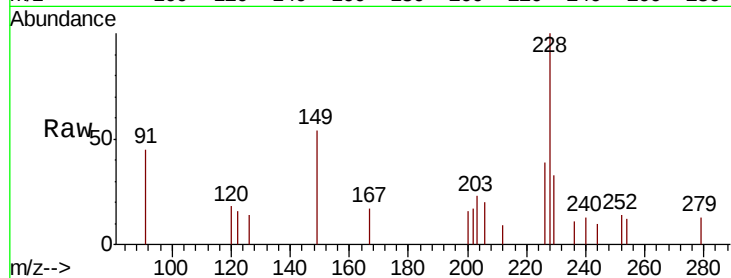
Tgt Ion:228 Resp: 2145

Ion Ratio Lower Upper

228 100

226 39.1 23.0 34.6#

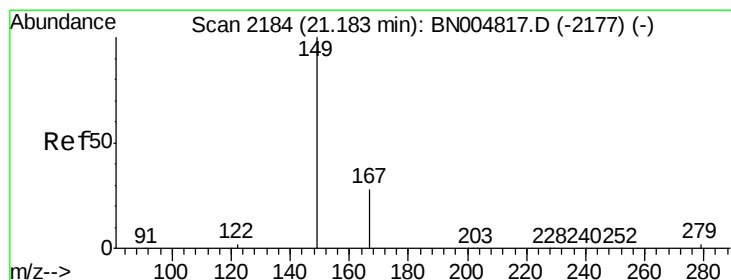
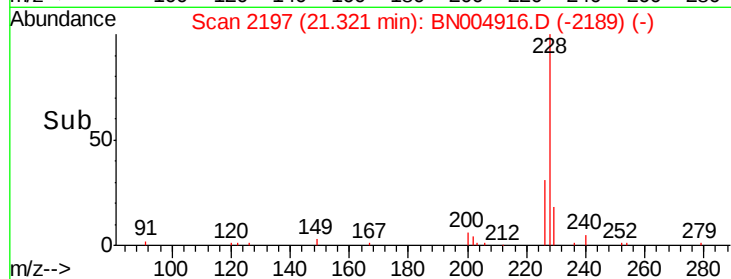
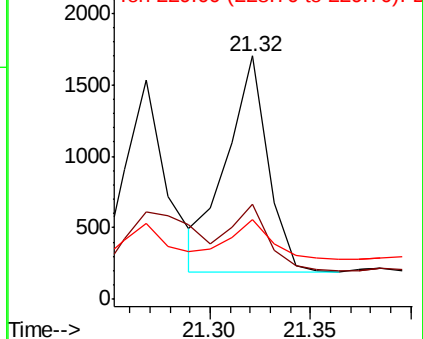
229 33.0 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.200 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

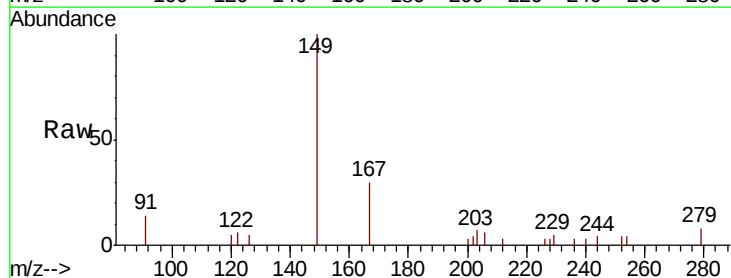
Tgt Ion:149 Resp: 5495

Ion Ratio Lower Upper

149 100

167 27.6 23.0 34.4

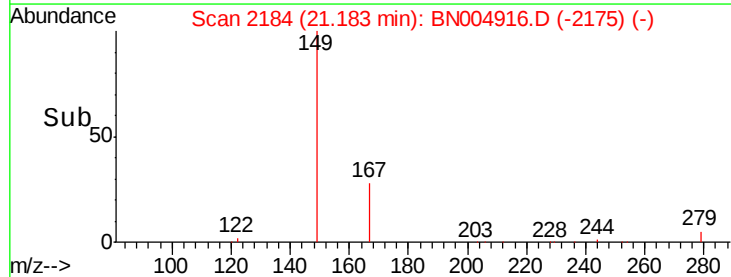
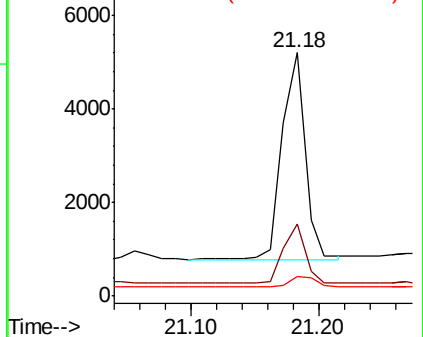
279 5.8 4.6 6.8

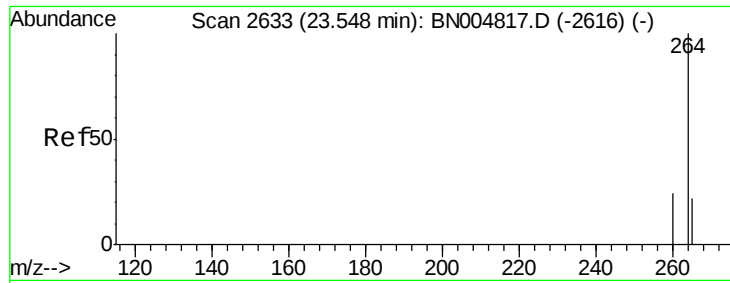


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

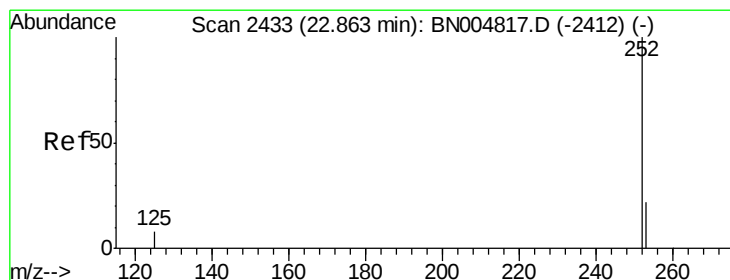
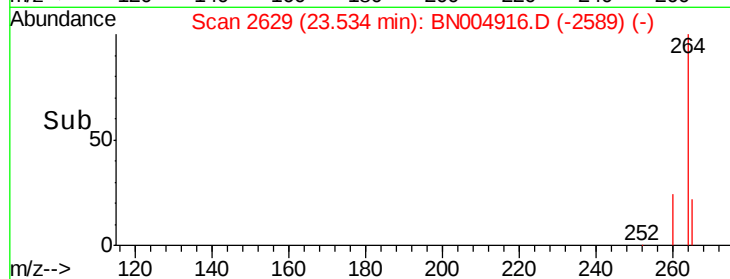
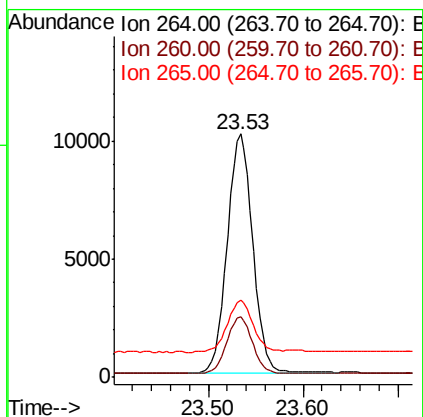
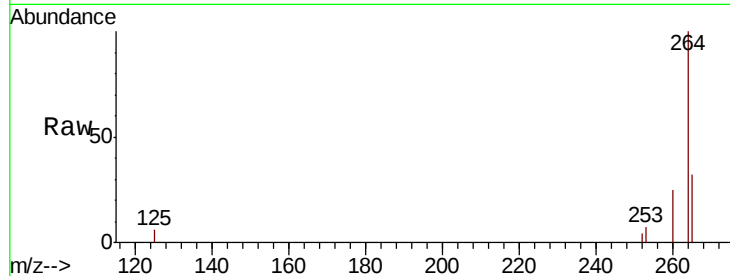




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2629
 Delta R.T. -0.01 min
 Lab File: BN004916.D
 Acq: 23 Mar 2019 09:43

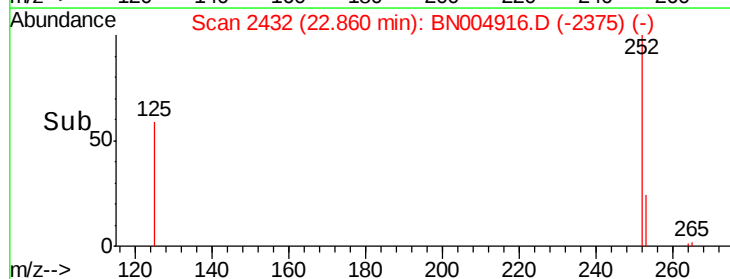
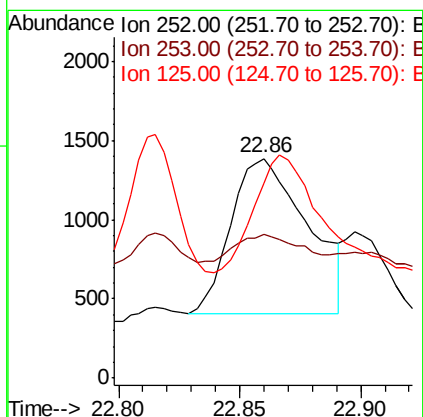
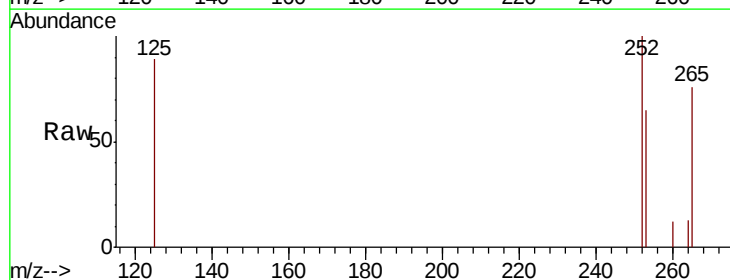
Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW036-031819

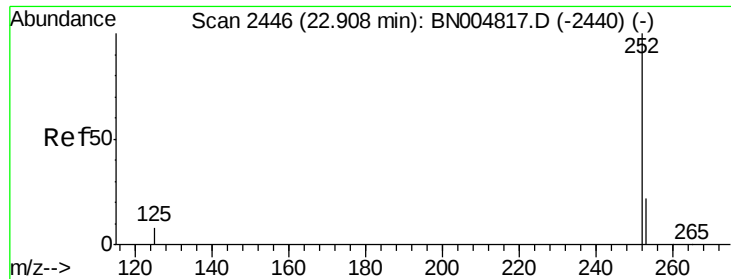
Tgt Ion: 264 Resp: 19082
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.5 29.3
 265 31.7 23.1 34.7



#35
 Benzo(b)fluoranthene
 Concen: 0.031 ng
 RT: 22.86 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BN004916.D
 Acq: 23 Mar 2019 09:43

Tgt Ion: 252 Resp: 2156
 Ion Ratio Lower Upper
 252 100
 253 65.5 19.0 28.4#
 125 88.8 7.4 11.2#





#36

Benzo(k)fluoranthene

Concen: 0.032 ng

RT: 22.86 min Scan# 2432

Delta R.T. -0.05 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

ClientSampleId :

PST-026-SW036-031819

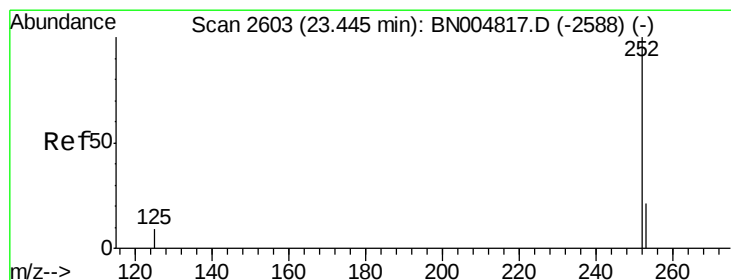
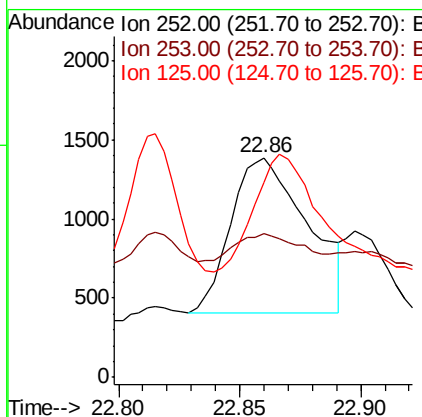
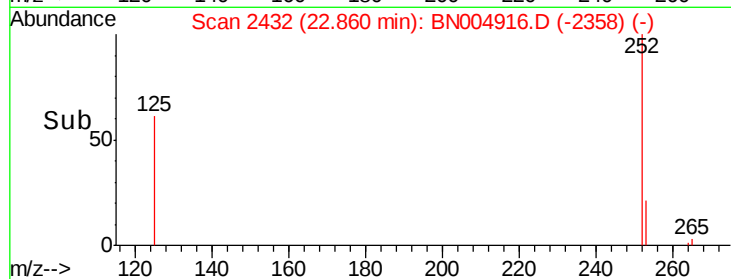
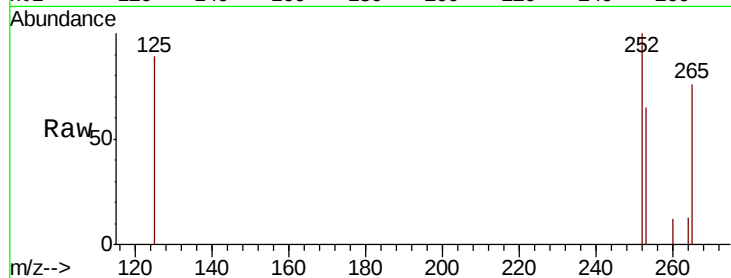
Tgt Ion:252 Resp: 2156

Ion Ratio Lower Upper

252 100

253 65.5 19.3 28.9#

125 88.8 7.4 11.0#



#37

Benzo(a)pyrene

Concen: 0.026 ng

RT: 23.43 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BN004916.D

Acq: 23 Mar 2019 09:43

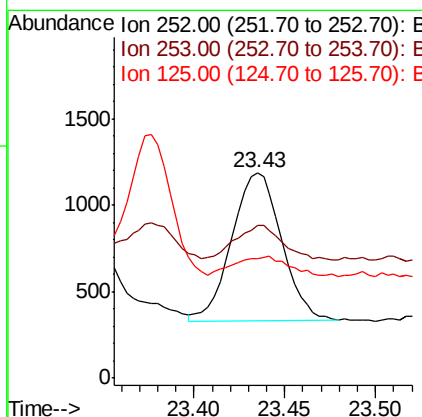
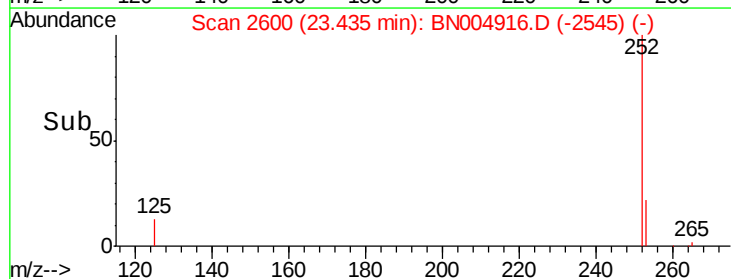
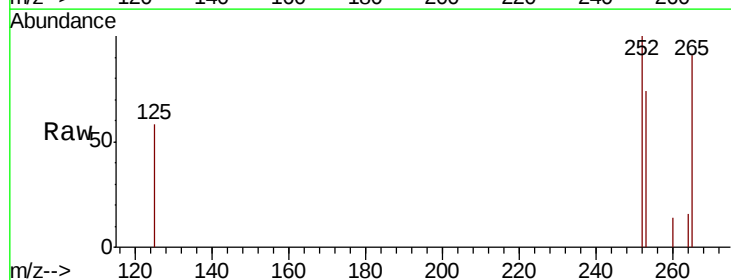
Tgt Ion:252 Resp: 1631

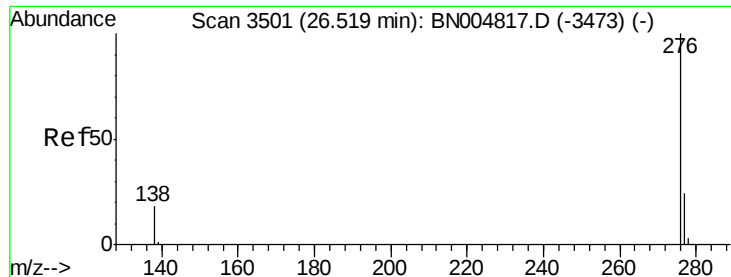
Ion Ratio Lower Upper

252 100

253 74.2 19.7 29.5#

125 58.1 8.3 12.5#





#39

Benzo(g,h,i)perylene

Concen: 0.020 ng

RT: 26.50 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BN004916.D

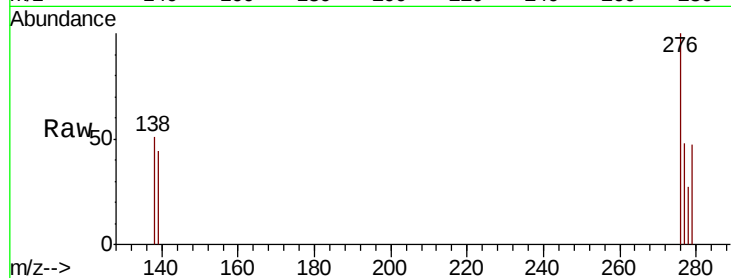
Acq: 23 Mar 2019 09:43

Instrument :

BNA_N

ClientSampleId :

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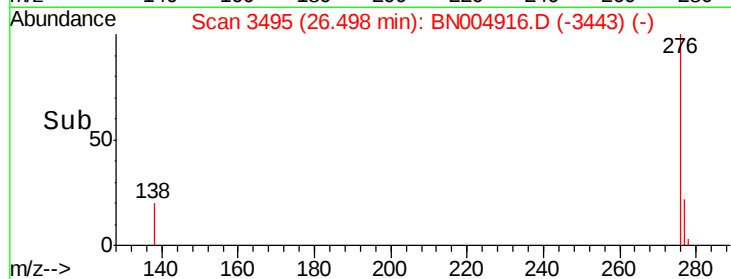
Tgt Ion: 276 Resp: 1521

Ion Ratio Lower Upper

276 100

277 48.3 19.7 29.5#

138 50.8 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

