

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004946.D
 Acq On : 24 Mar 2019 19:22
 Operator : JU/SJ
 Sample : K2015-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B158-031919

Quant Time: Mar 25 02:57:52 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	3372	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	13765	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	7085	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14948	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16709	0.40	ng	-0.01
34) Perylene-d12	23.52	264	17444	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3614	0.39	ng	0.00
5) Phenol-d6	6.86	99	4475	0.39	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3619	0.40	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7620	0.32	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1533	0.31	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	10318	0.35	ng	-0.02
25) Fluoranthene-d10	19.12	212	14598	0.29	ng	-0.02
29) Terphenyl-d14	19.71	244	9917	0.29	ng	-0.02

Target Compounds

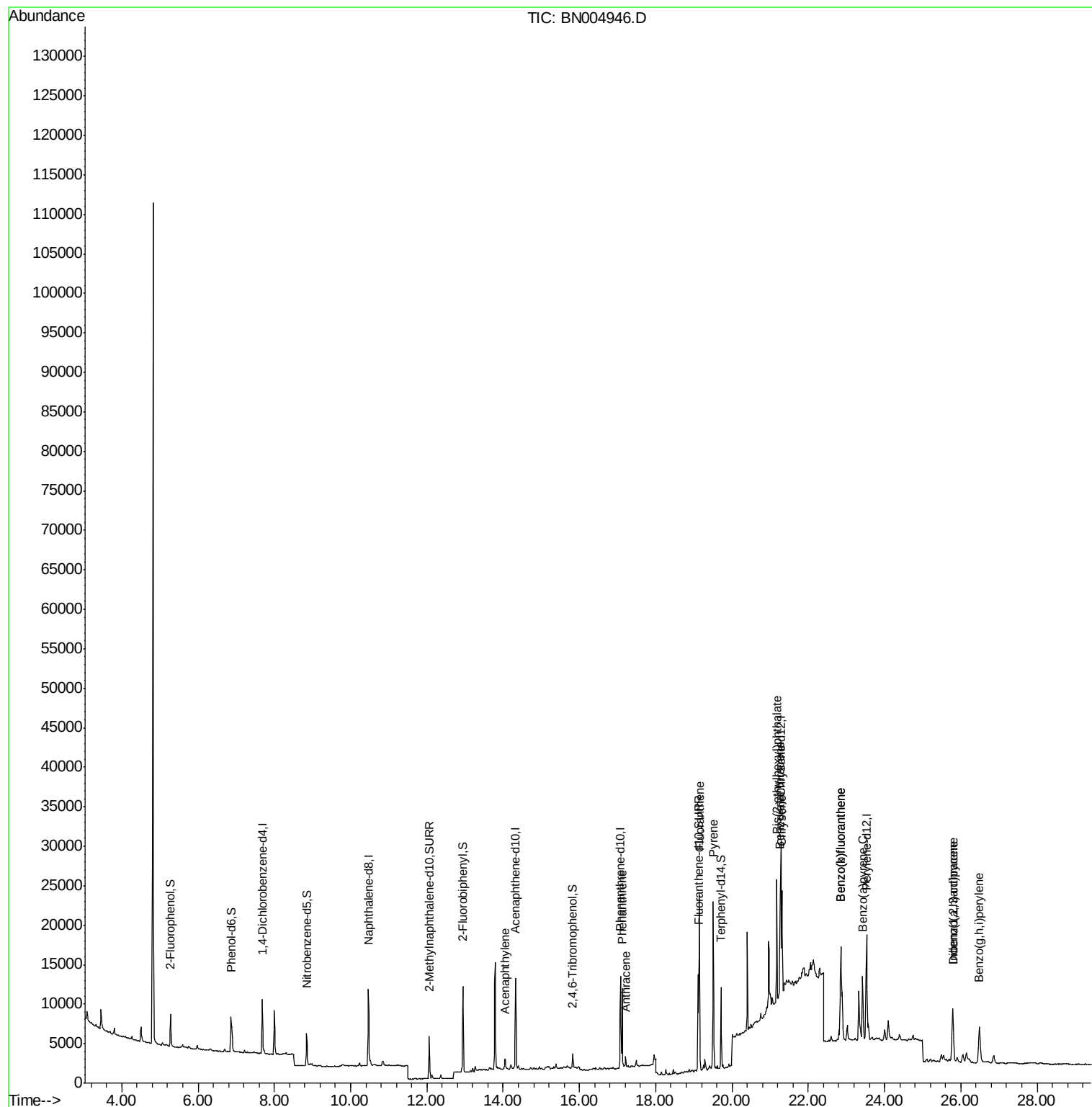
						Qvalue
16) Acenaphthylene	14.04	152	1874	0.051	ng	98
23) Phenanthrene	17.12	178	10431	0.216	ng	99
24) Anthracene	17.22	178	1635	0.038	ng	97
26) Fluoranthene	19.15	202	20075	0.324	ng	# 97
28) Pyrene	19.51	202	19380	0.380	ng	96
30) Benzo(a)anthracene	21.26	228	9770	0.178	ng	# 86
31) Chrysene	21.31	228	12220	0.212	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.17	149	13101	0.598	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	9869	0.118	ng	98
35) Benzo(b)fluoranthene	22.85	252	17255	0.273	ng	# 67
36) Benzo(k)fluoranthene	22.85	252	17255	0.278	ng	# 67
37) Benzo(a)pyrene	23.43	252	11116	0.192	ng	# 67
38) Dibenzo(a,h)anthracene	25.79	278	2947	0.044	ng	# 1
39) Benzo(g,h,i)perylene	26.49	276	9767	0.143	ng	# 78

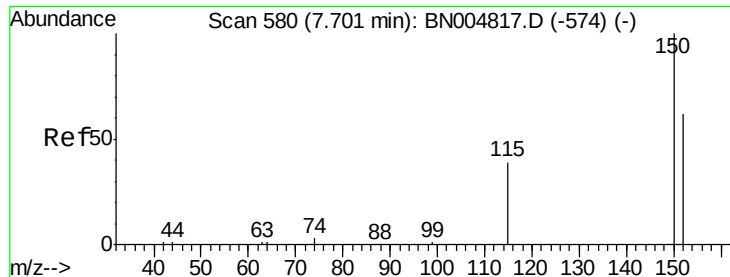
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

PST-073-B158-031919

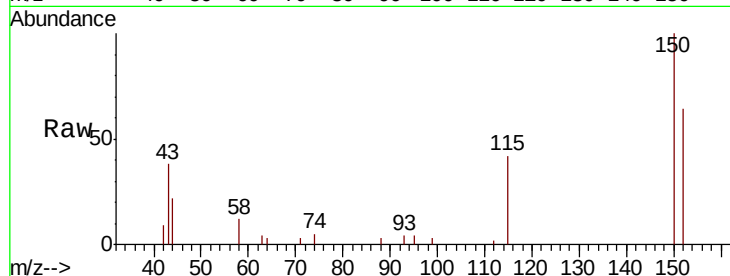
Tgt Ion:152 Resp: 3372

Ion Ratio Lower Upper

152 100

150 156.2 126.2 189.4

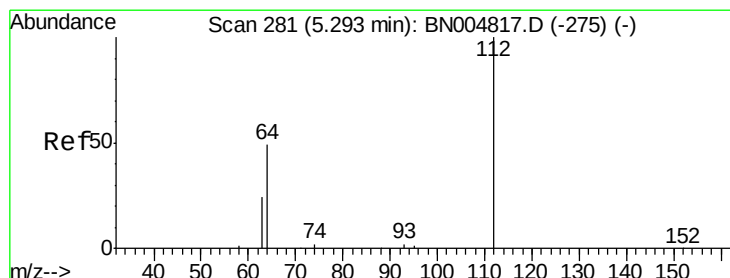
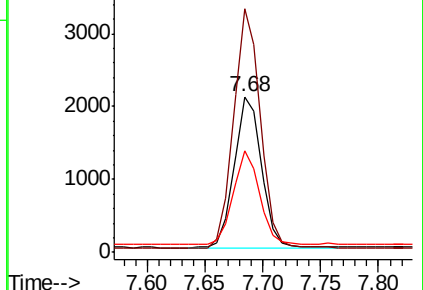
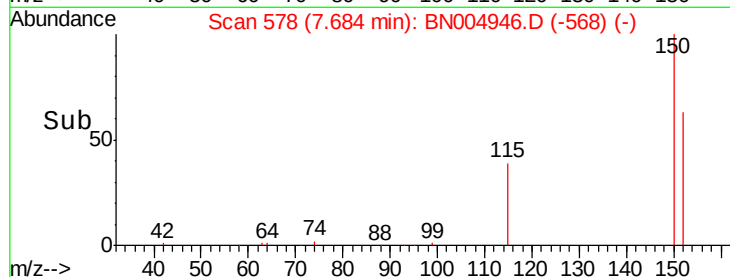
115 65.0 52.6 79.0



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: 0.394 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

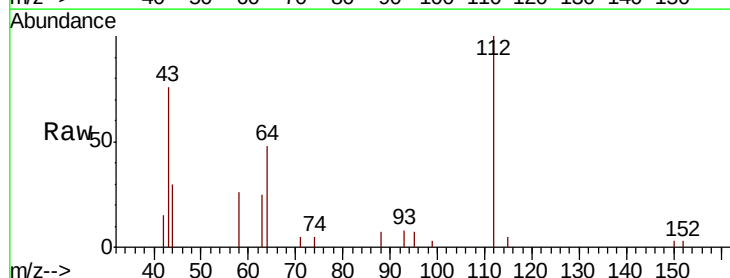
Tgt Ion:112 Resp: 3614

Ion Ratio Lower Upper

112 100

64 53.1 40.0 60.0

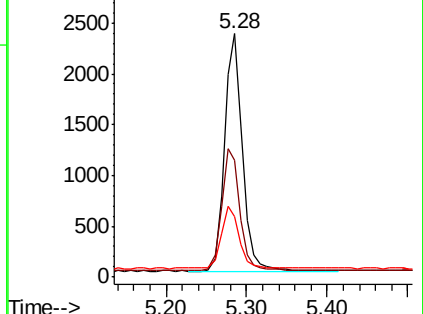
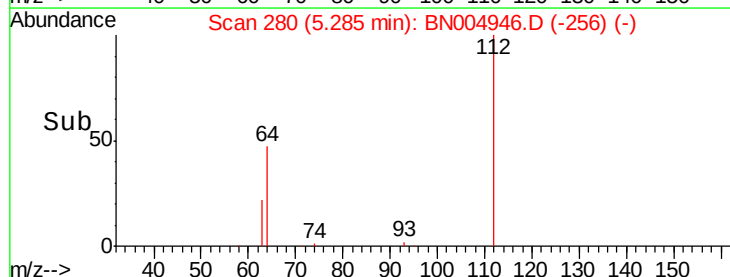
63 25.9 20.2 30.2

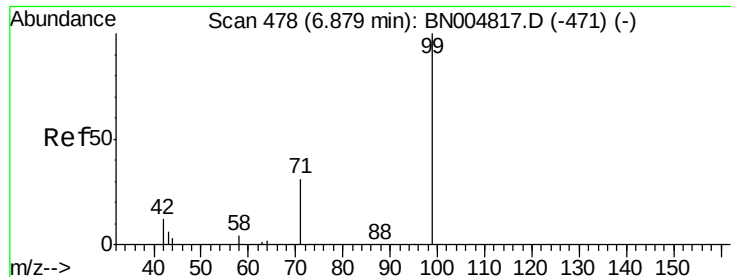


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.392 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

PST-073-B158-031919

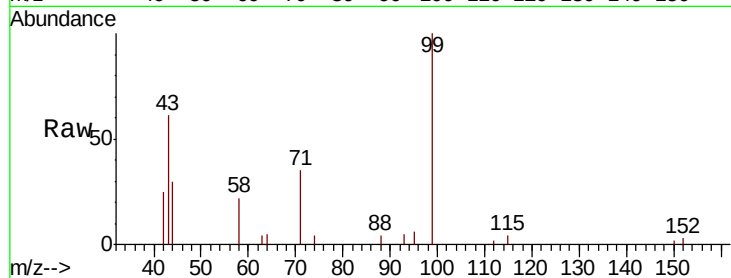
Tgt Ion: 99 Resp: 4475

Ion Ratio Lower Upper

99 100

42 19.2 12.7 19.1#

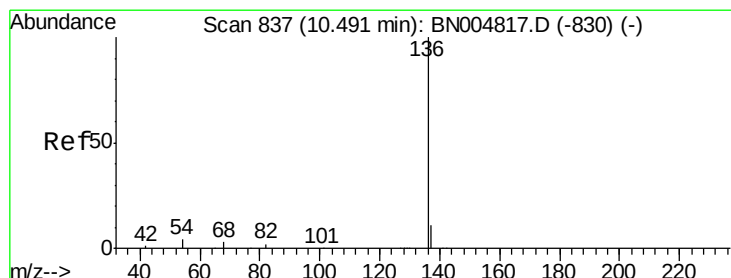
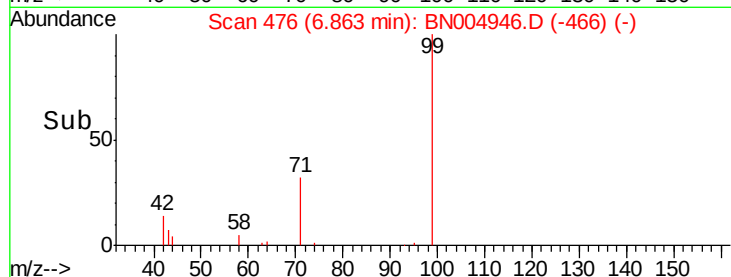
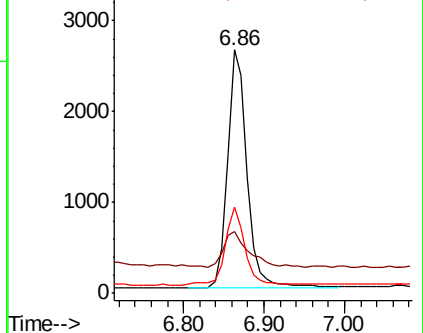
71 32.0 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Tgt Ion: 136 Resp: 13765

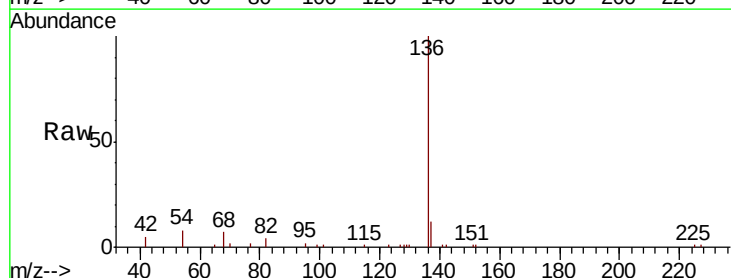
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 7.8 4.2 6.2#

68 6.9 3.9 5.9#

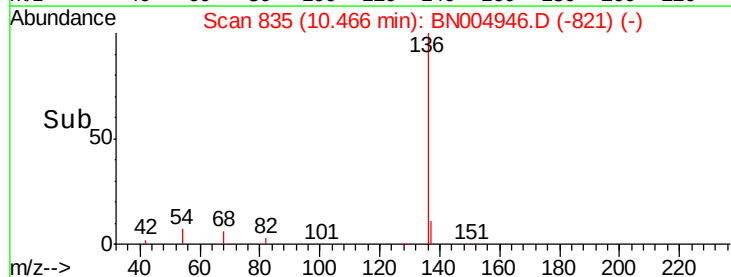
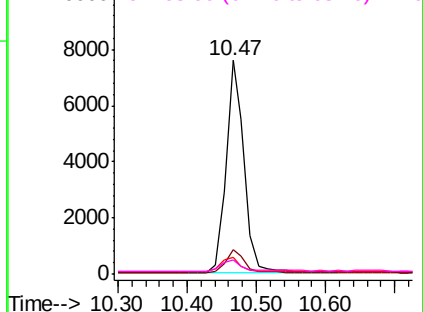


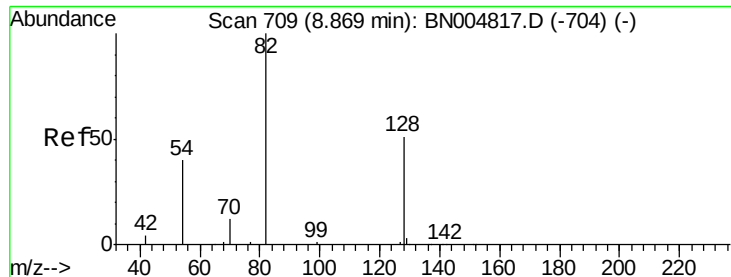
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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) (-)

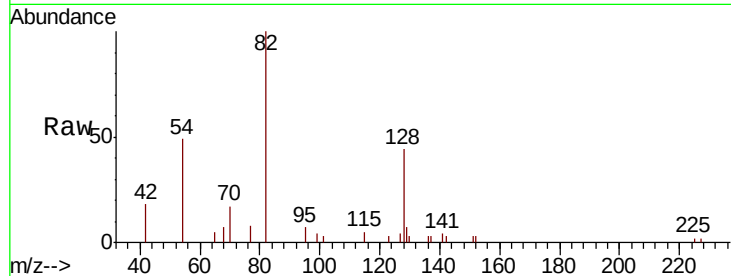




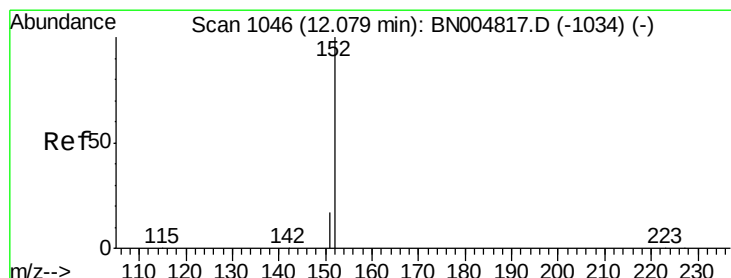
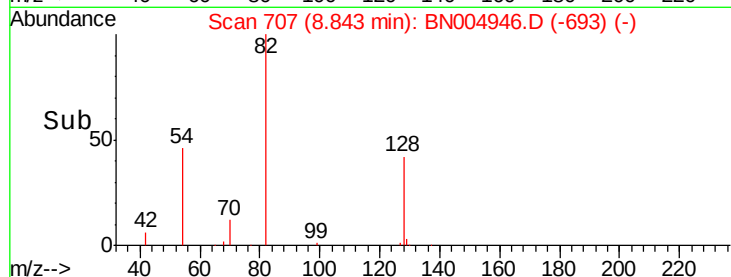
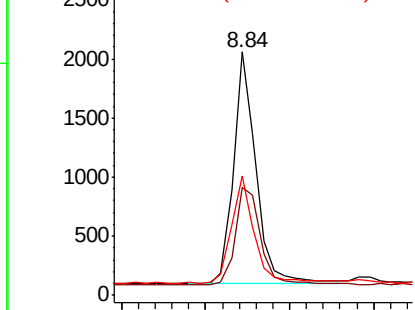
#8
 Nitrobenzene-d5
 Concen: 0.397 ng
 RT: 8.84 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B158-031919

Tgt Ion: 82 Resp: 3619
 Ion Ratio Lower Upper
 82 100
 128 44.2 43.0 64.6
 54 49.0 35.3 52.9

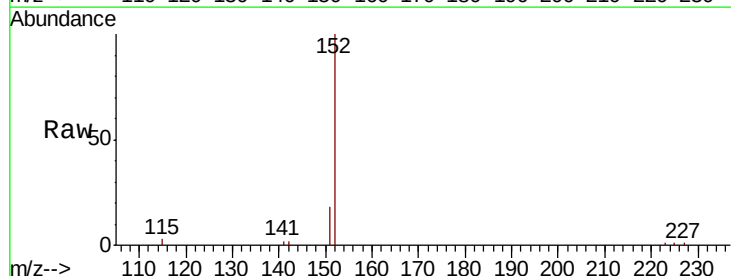


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

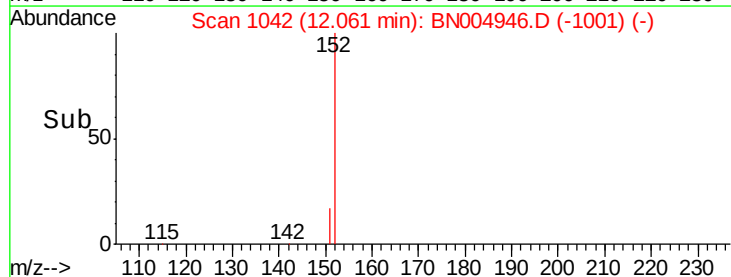
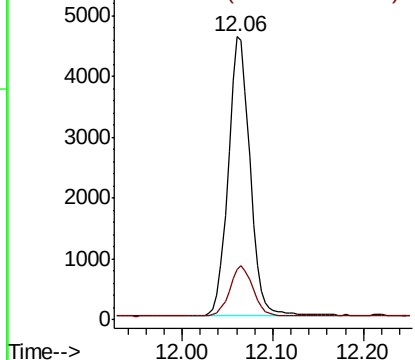


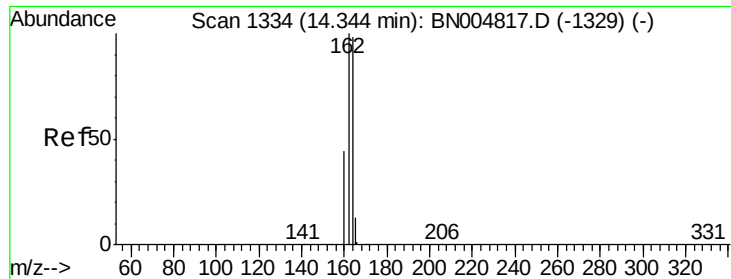
#11
 2-Methylnaphthalene-d10
 Concen: 0.317 ng
 RT: 12.06 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Tgt Ion: 152 Resp: 7620
 Ion Ratio Lower Upper
 152 100
 151 19.4 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: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

PST-073-B158-031919

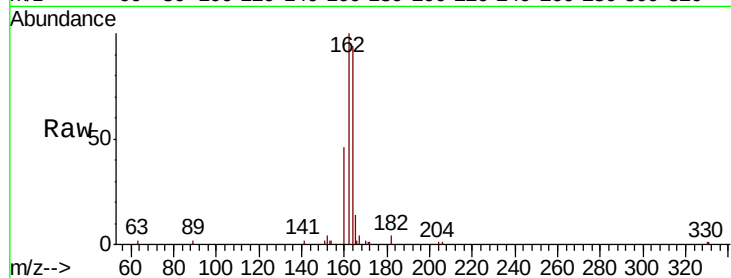
Tgt Ion:164 Resp: 7085

Ion Ratio Lower Upper

164 100

162 106.3 81.9 122.9

160 48.5 36.6 54.8

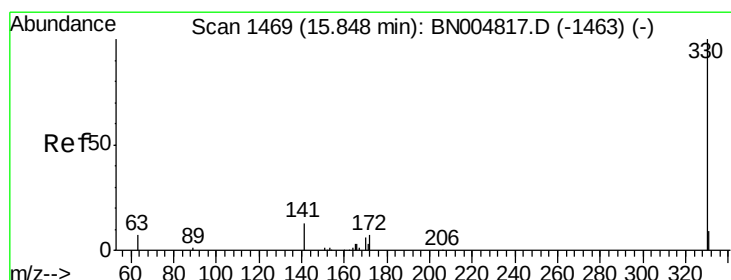
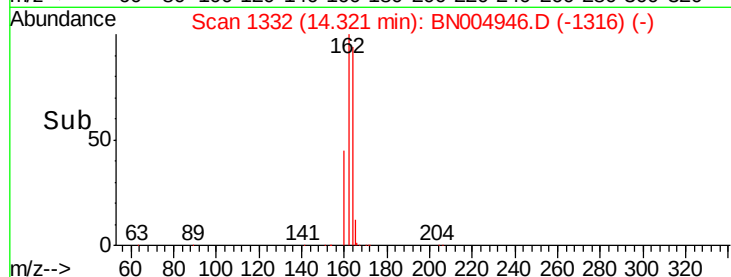
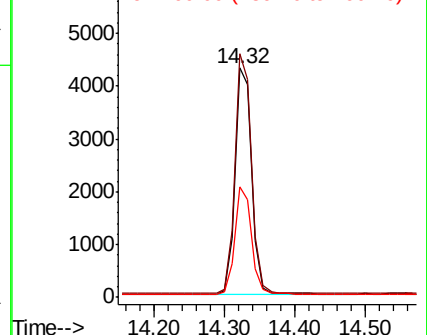


Abundance

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: 0.313 ng

RT: 15.83 min Scan# 1467

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

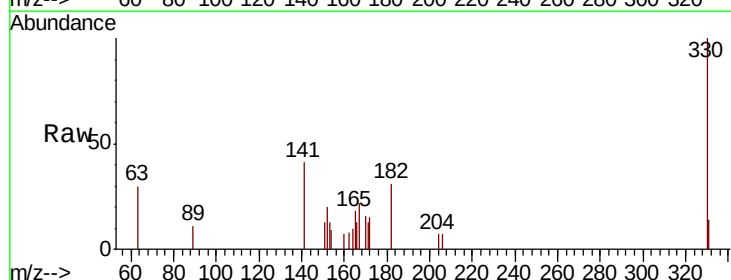
Tgt Ion:330 Resp: 1533

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 33.1 20.9 31.3#

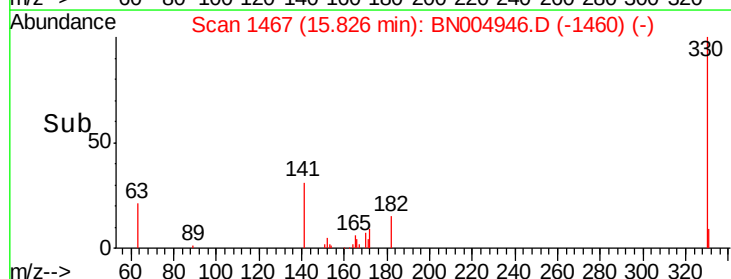
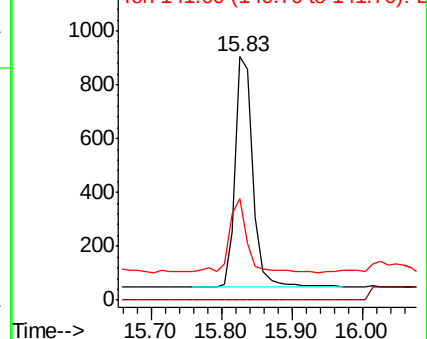


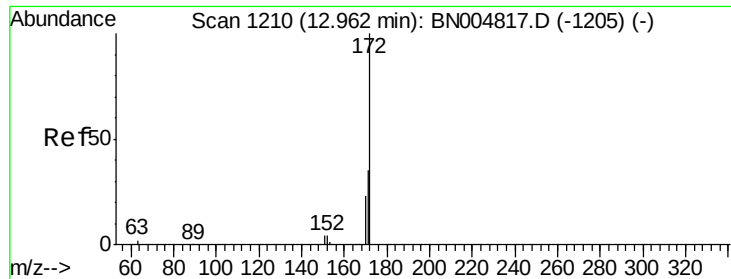
Abundance

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

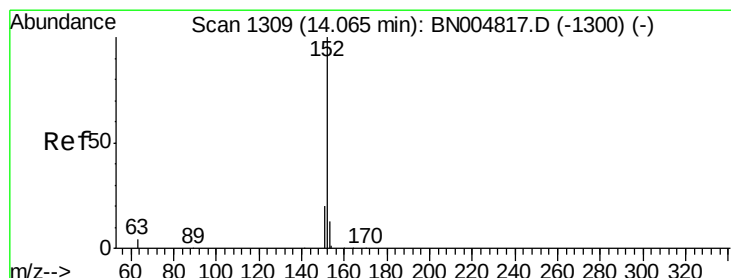
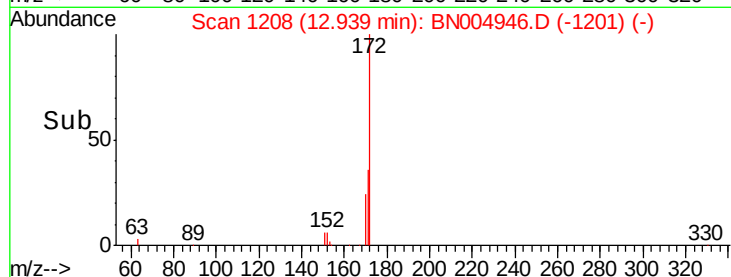
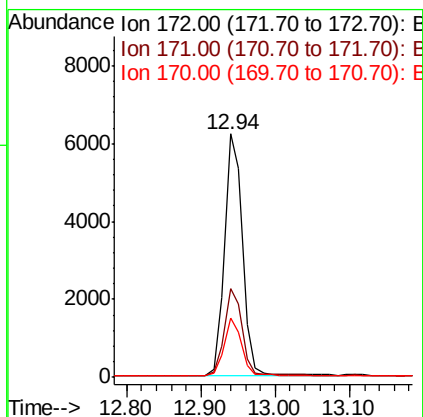
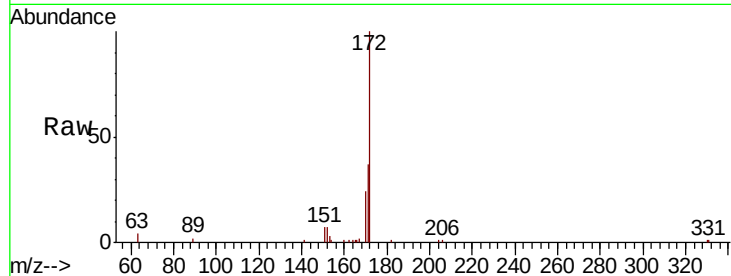




#15
2-Fluorobiphenyl
Concen: 0.352 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

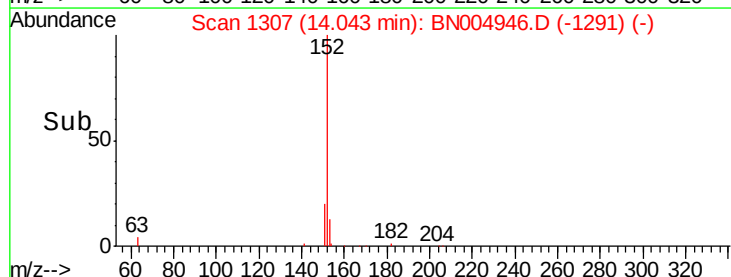
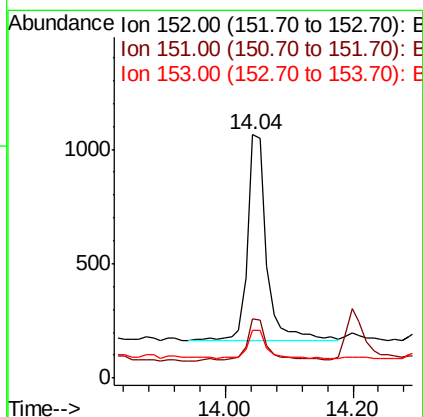
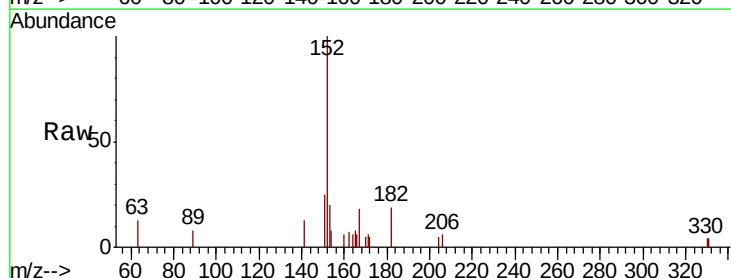
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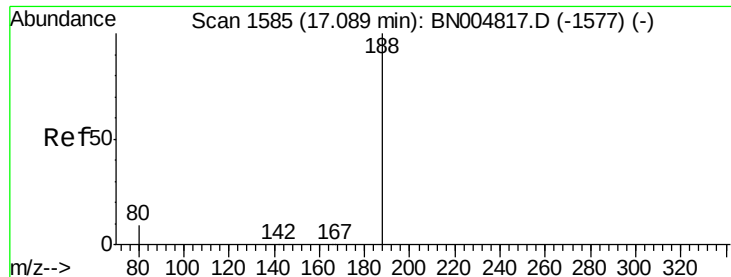
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.7	43.1
170	24.2	18.7	28.1



#16
Acenaphthylene
Concen: 0.051 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.1	24.1
153	13.8	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: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

PST-073-B158-031919

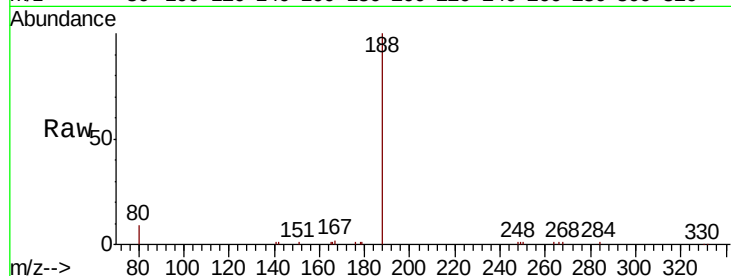
Tgt Ion:188 Resp: 14948

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

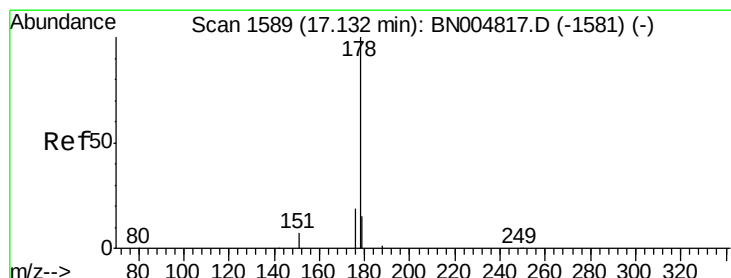
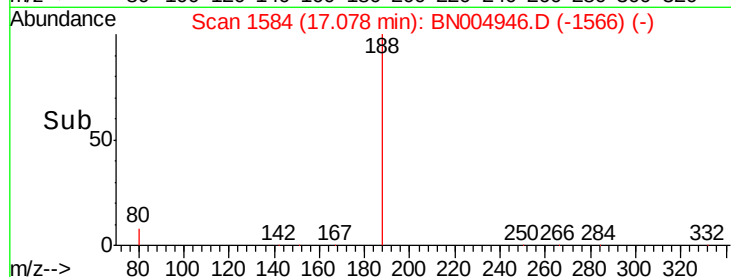
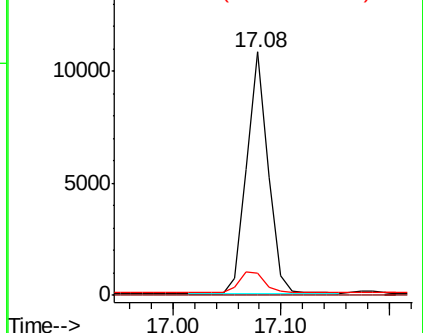
80 9.2 7.4 11.2



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: 0.216 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

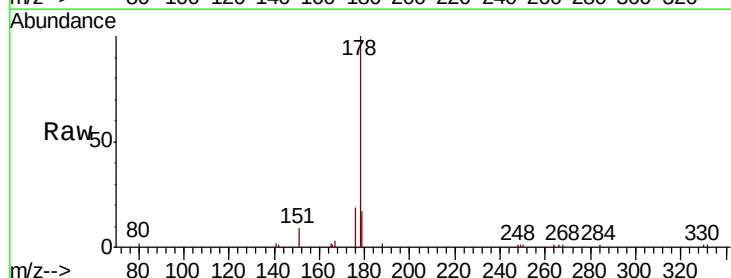
Tgt Ion:178 Resp: 10431

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

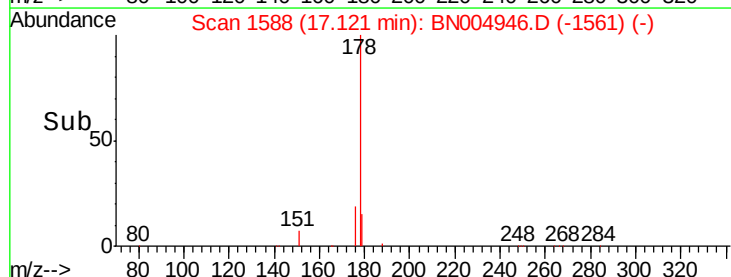
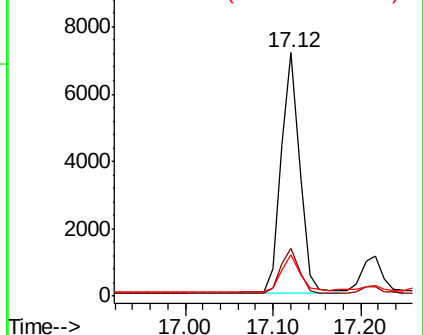
179 16.2 12.1 18.1

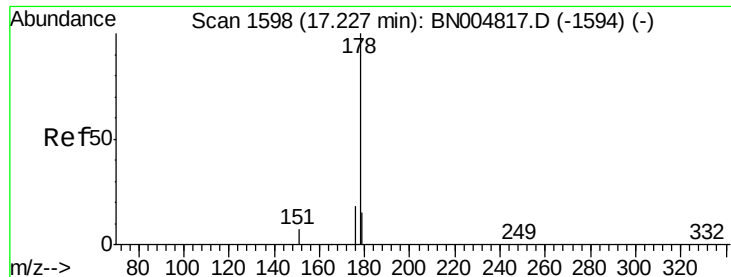


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.038 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

PST-073-B158-031919

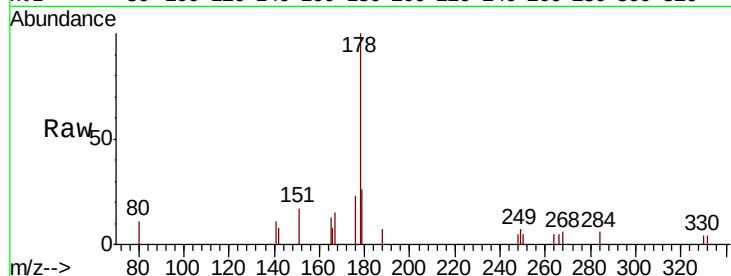
Tgt Ion:178 Resp: 1635

Ion Ratio Lower Upper

178 100

176 18.0 14.5 21.7

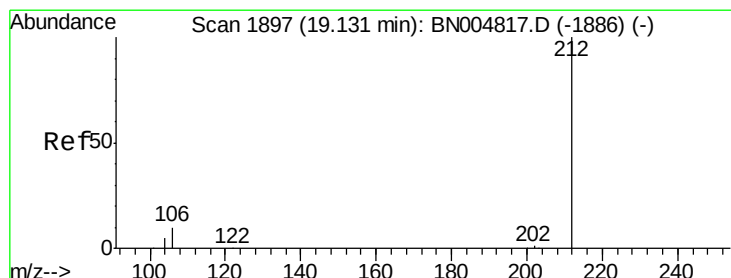
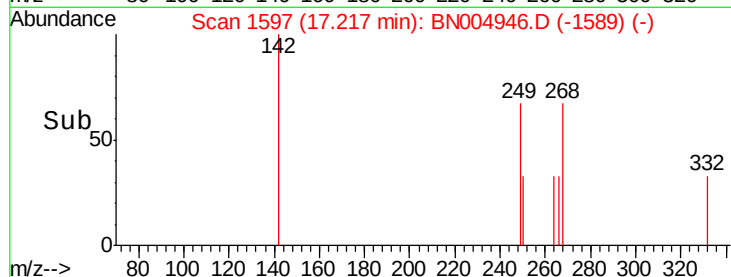
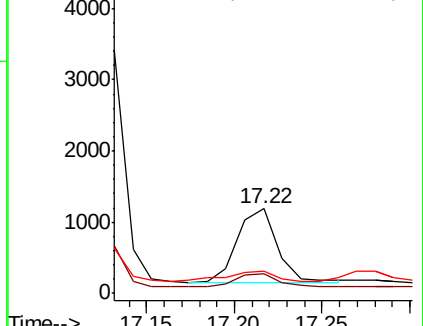
179 17.9 12.2 18.4



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: 0.292 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

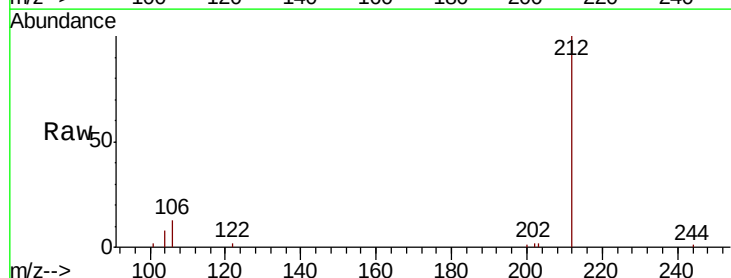
Tgt Ion:212 Resp: 14598

Ion Ratio Lower Upper

212 100

106 12.4 8.6 13.0

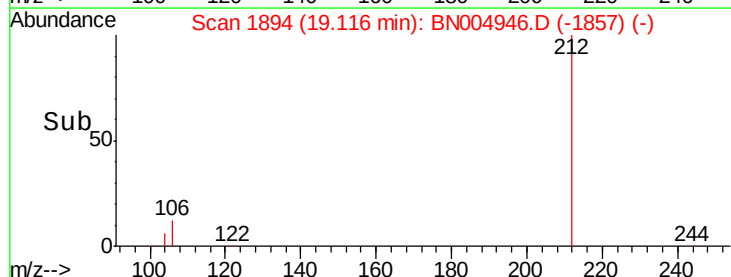
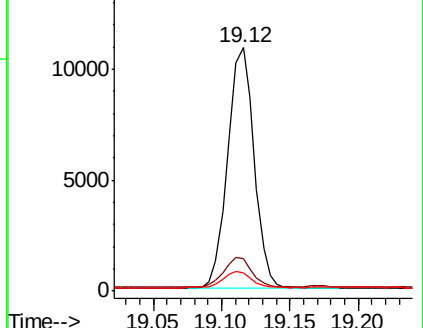
104 7.4 4.7 7.1#

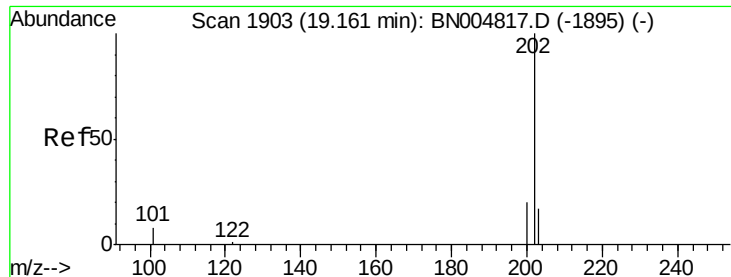


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

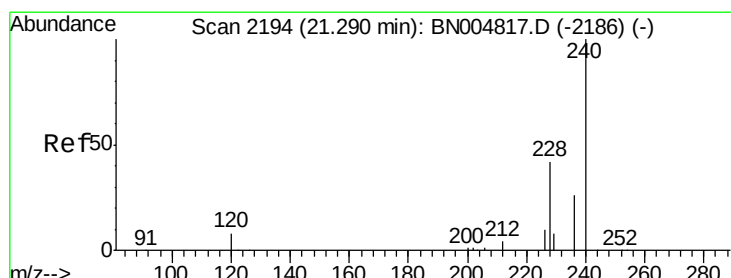
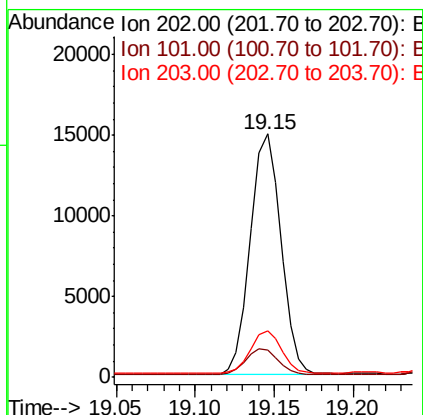
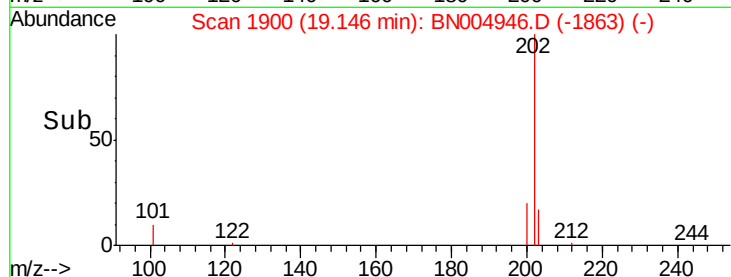
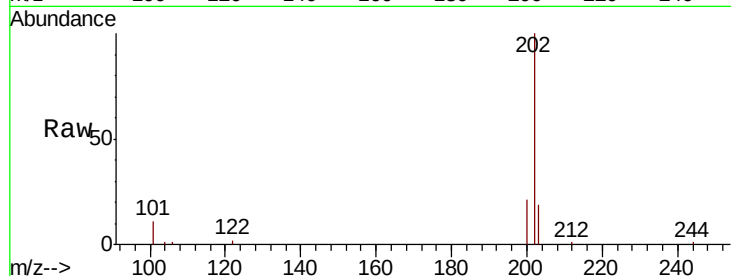




#26
Fluoranthene
Concen: 0.324 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

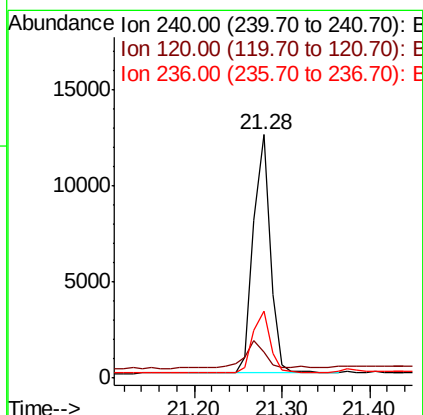
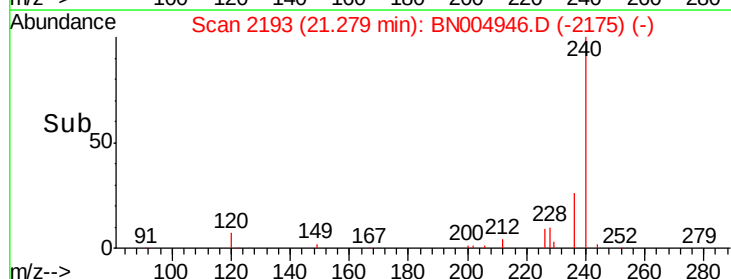
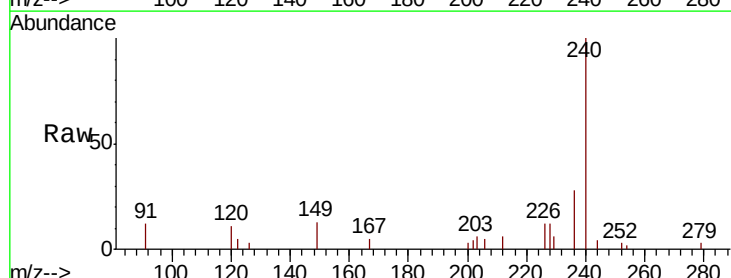
Instrument :
BNA_N
ClientSampleId :
PST-073-B158-031919

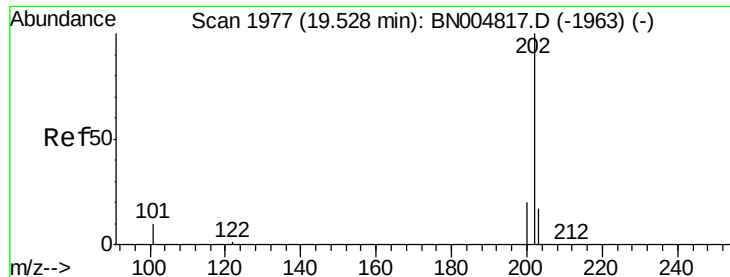
Tgt Ion:202 Resp: 20075
Ion Ratio Lower Upper
202 100
101 11.6 7.5 11.3#
203 17.7 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004946.D
Acq: 24 Mar 2019 19:22

Tgt Ion:240 Resp: 16709
Ion Ratio Lower Upper
240 100
120 10.7 7.2 10.8
236 27.6 20.9 31.3

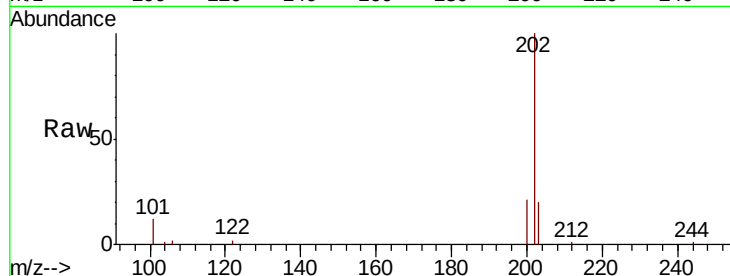




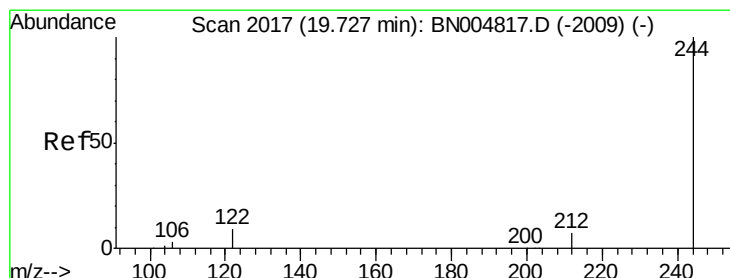
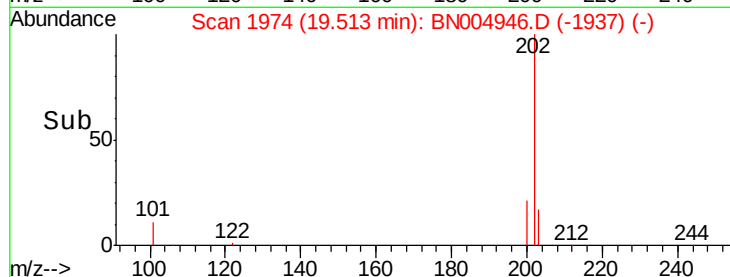
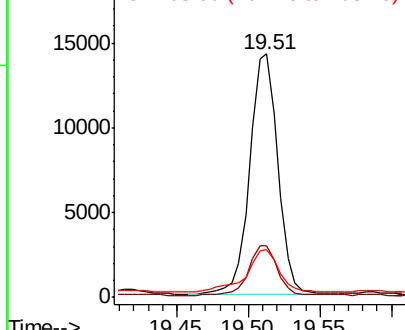
#28
 Pyrene
 Concen: 0.380 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.02 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B158-031919

Tgt Ion:	202	Resp:	19380
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.3	24.5
203	20.5	14.0	21.0

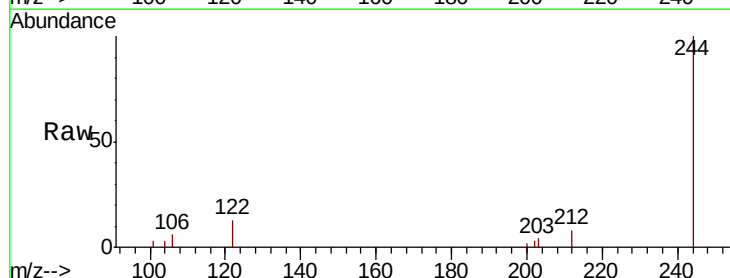


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

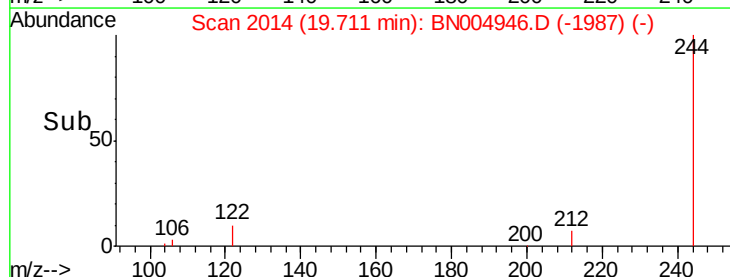
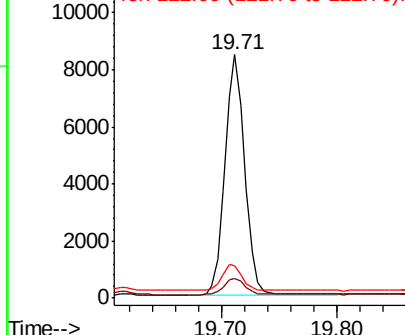


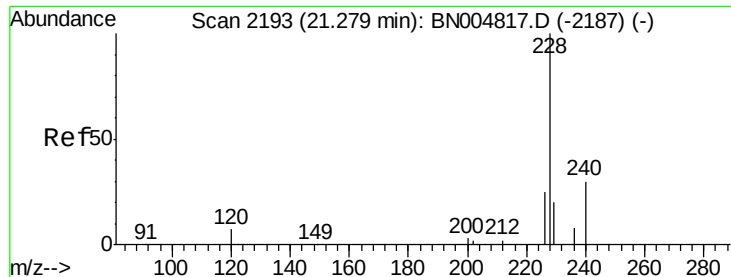
#29
 Terphenyl-d14
 Concen: 0.290 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Tgt Ion:	244	Resp:	9917
Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.6
122	13.2	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: 0.178 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

PST-073-B158-031919

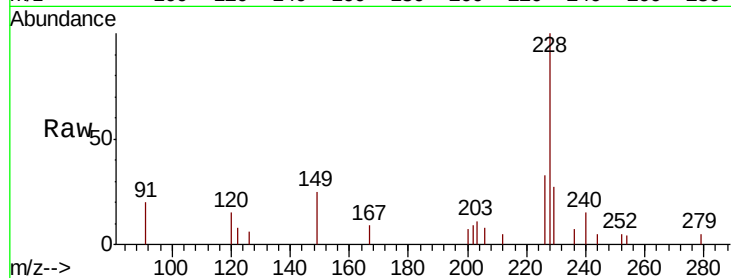
Tgt Ion:228 Resp: 9770

Ion Ratio Lower Upper

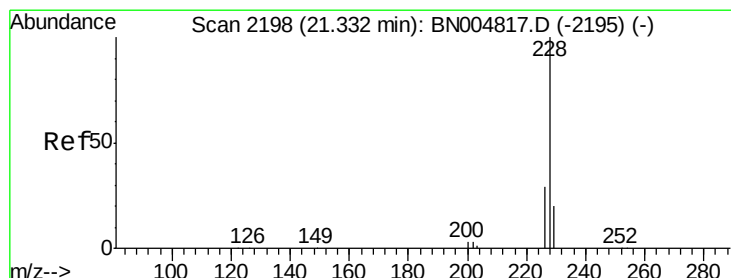
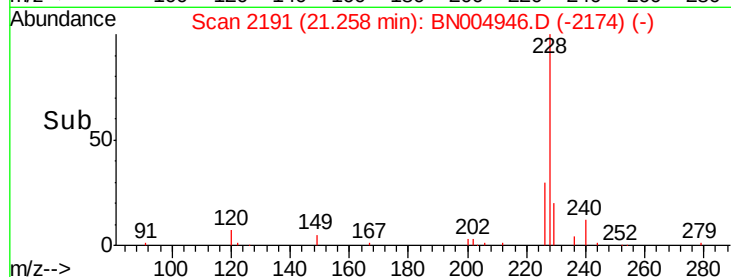
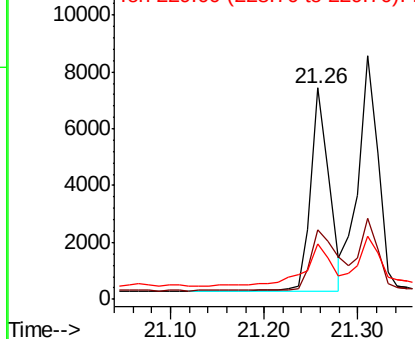
228 100

226 32.8 20.6 31.0#

229 26.5 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: 0.212 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

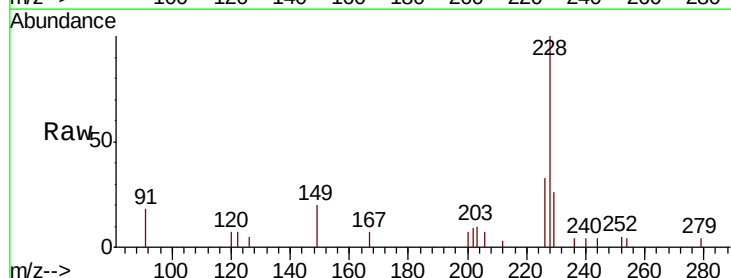
Tgt Ion:228 Resp: 12220

Ion Ratio Lower Upper

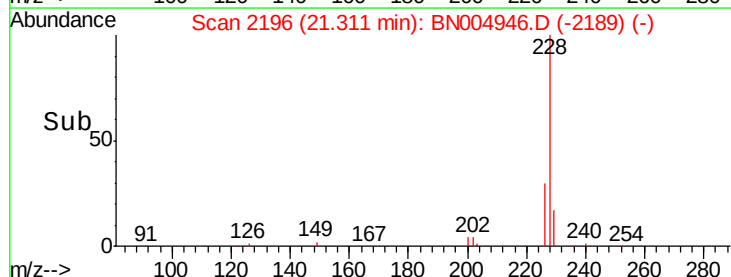
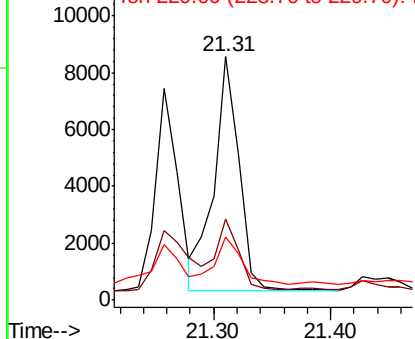
228 100

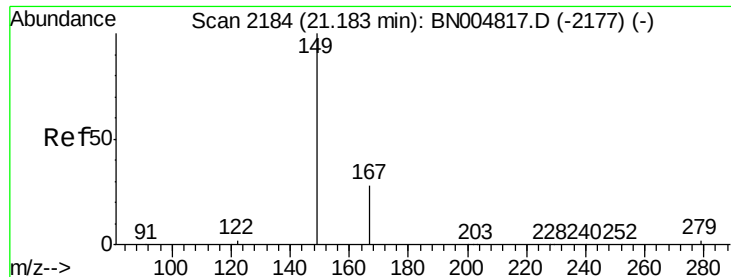
226 33.0 23.0 34.6

229 26.1 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: 0.598 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

PST-073-B158-031919

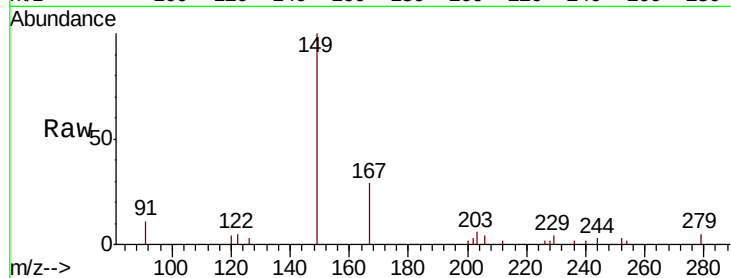
Tgt Ion:149 Resp: 13101

Ion Ratio Lower Upper

149 100

167 28.3 23.0 34.4

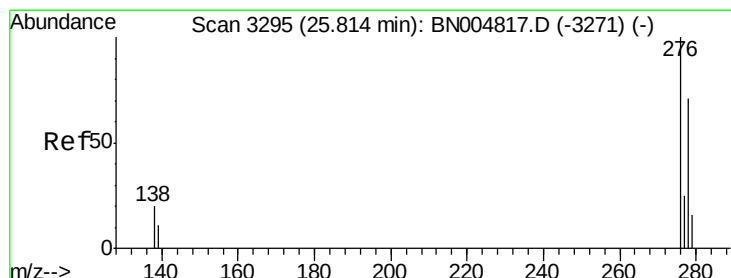
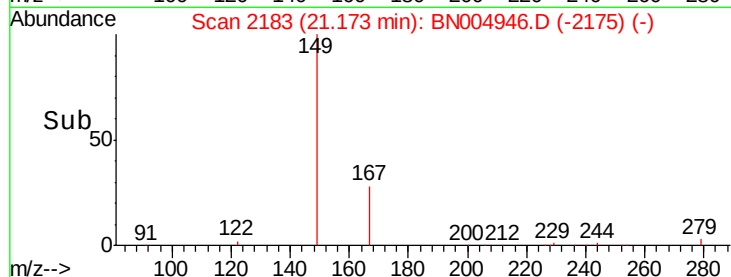
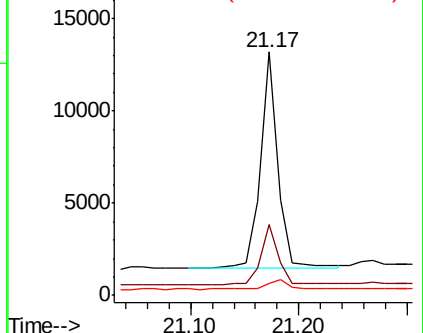
279 5.7 4.6 6.8



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: 0.118 ng

RT: 25.79 min Scan# 3288

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

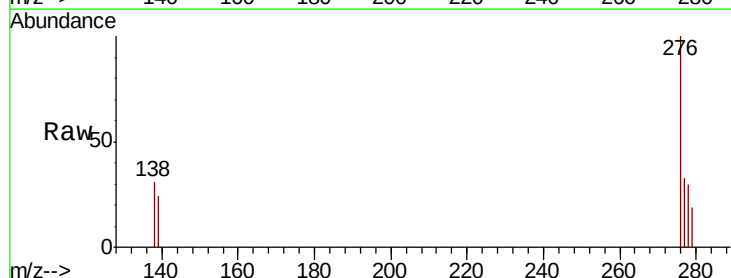
Tgt Ion:276 Resp: 9869

Ion Ratio Lower Upper

276 100

138 22.6 16.6 24.8

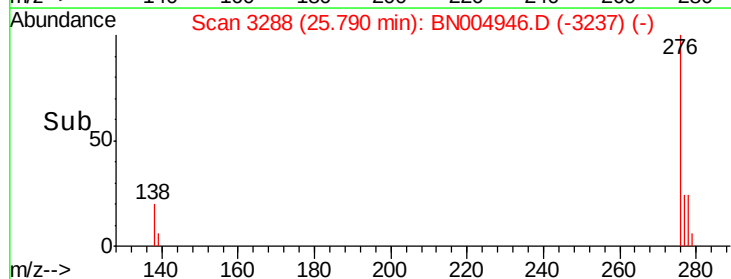
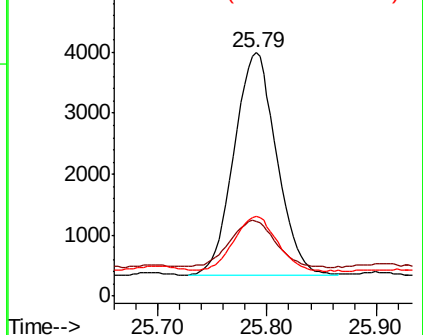
277 25.3 20.3 30.5

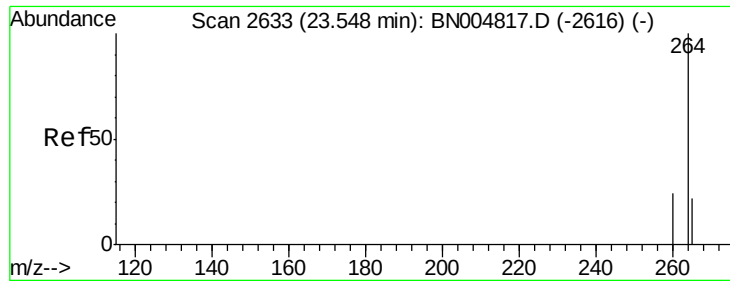


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

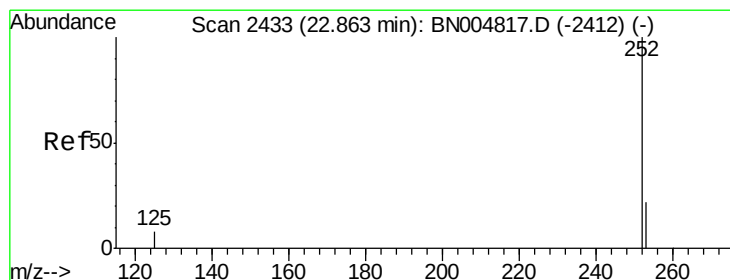
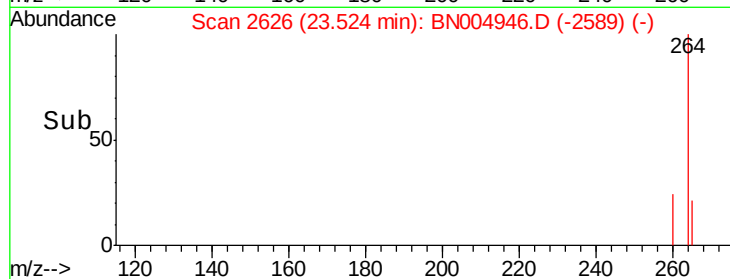
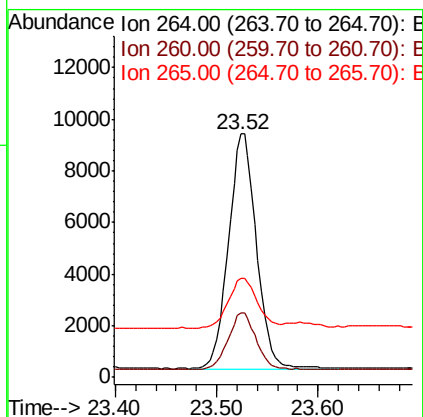
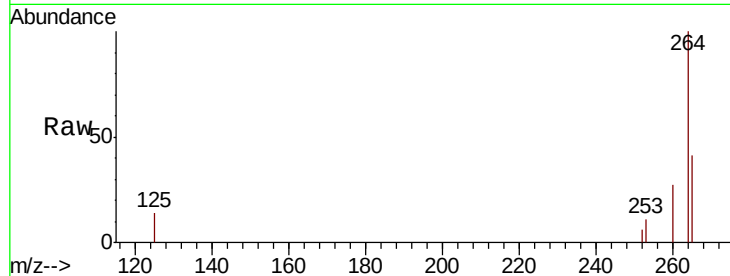




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.52 min Scan# 2626
 Delta R.T. -0.02 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

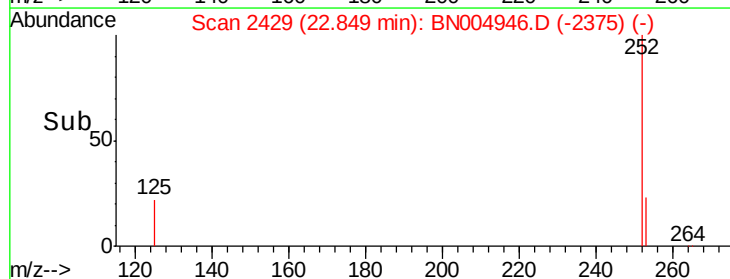
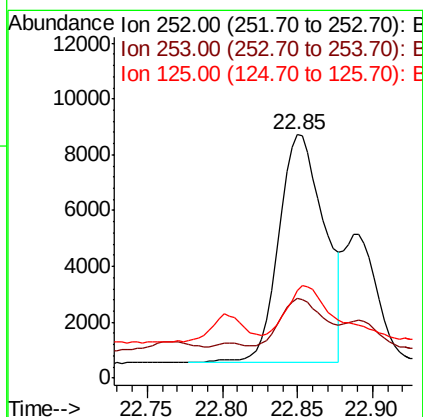
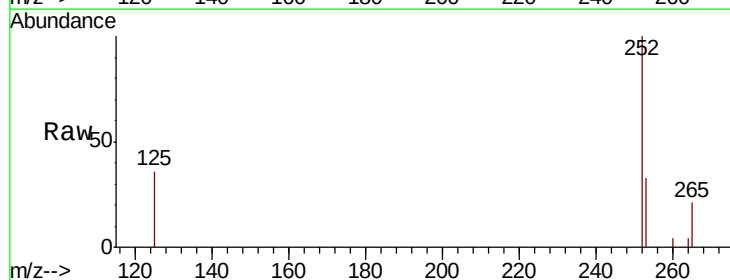
Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B158-031919

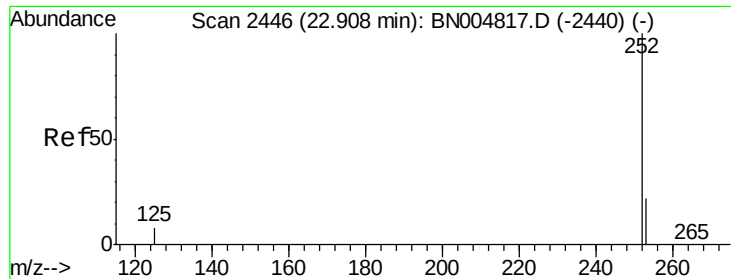
Tgt Ion:264 Resp: 17444
 Ion Ratio Lower Upper
 264 100
 260 26.7 19.5 29.3
 265 40.5 23.1 34.7#



#35
Benzo(b)fluoranthene
 Concen: 0.273 ng
 RT: 22.85 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BN004946.D
 Acq: 24 Mar 2019 19:22

Tgt Ion:252 Resp: 17255
 Ion Ratio Lower Upper
 252 100
 253 32.5 19.0 28.4#
 125 35.8 7.4 11.2#





#36

Benzo(k)fluoranthene

Concen: 0.278 ng

RT: 22.85 min Scan# 2429

Delta R.T. -0.06 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

PST-073-B158-031919

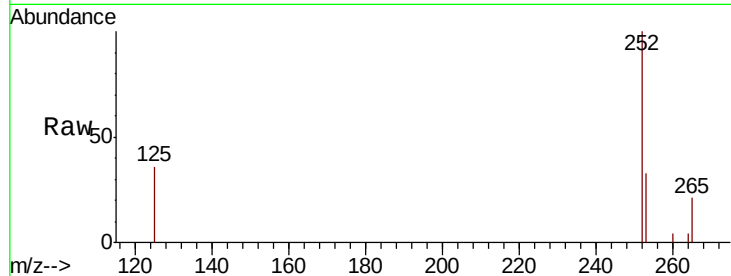
Tgt Ion:252 Resp: 17255

Ion Ratio Lower Upper

252 100

253 32.5 19.3 28.9#

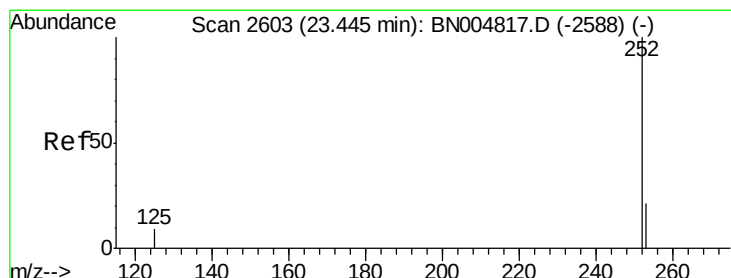
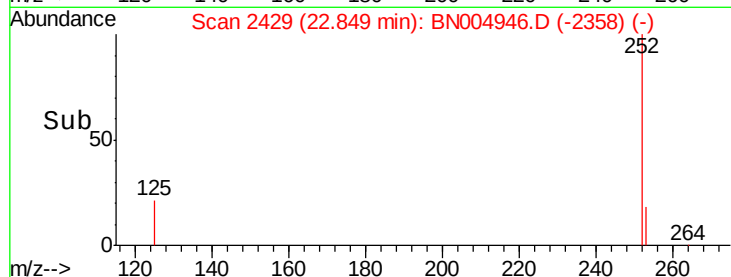
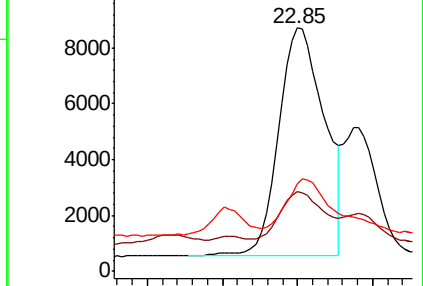
125 35.8 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.192 ng

RT: 23.43 min Scan# 2598

Delta R.T. -0.02 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

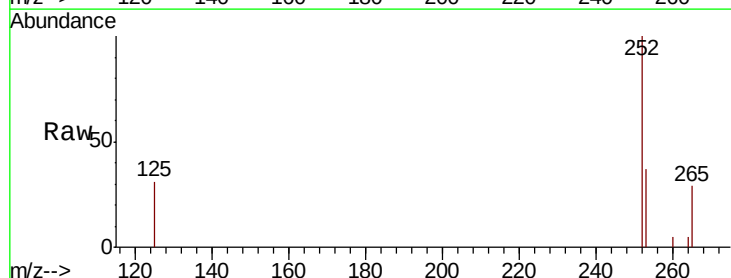
Tgt Ion:252 Resp: 11116

Ion Ratio Lower Upper

252 100

253 36.6 19.7 29.5#

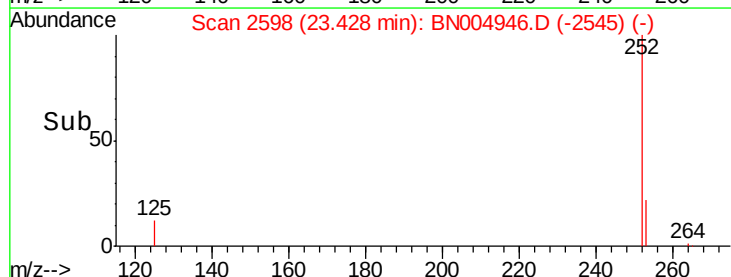
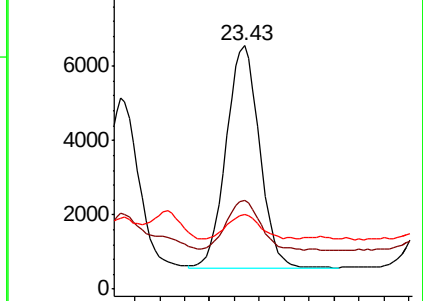
125 30.8 8.3 12.5#

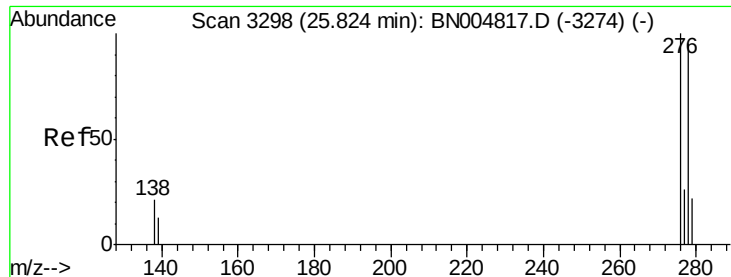


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.044 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.03 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

Instrument :

BNA_N

ClientSampleId :

PST-073-B158-031919

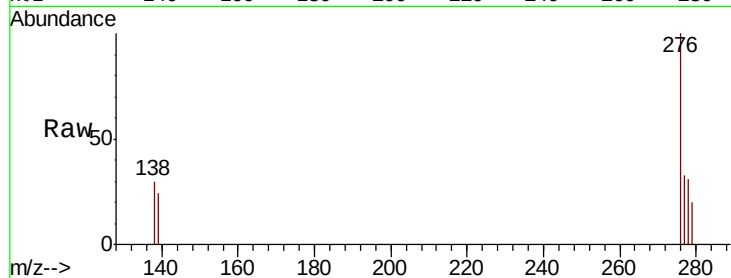
Tgt Ion: 278 Resp: 2947

Ion Ratio Lower Upper

278 100

139 77.1 11.7 17.5#

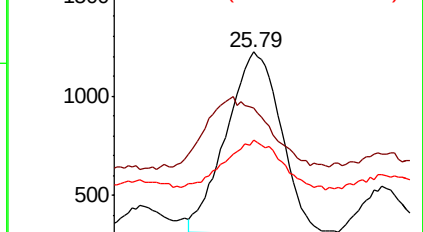
279 63.6 19.9 29.9#



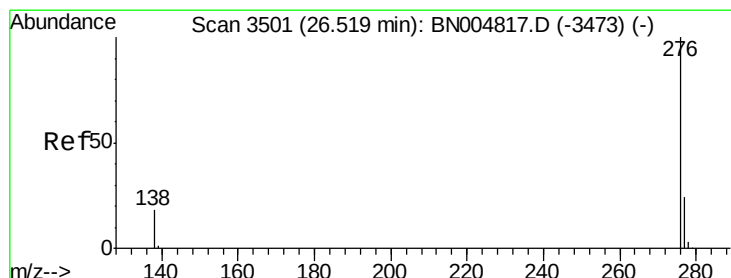
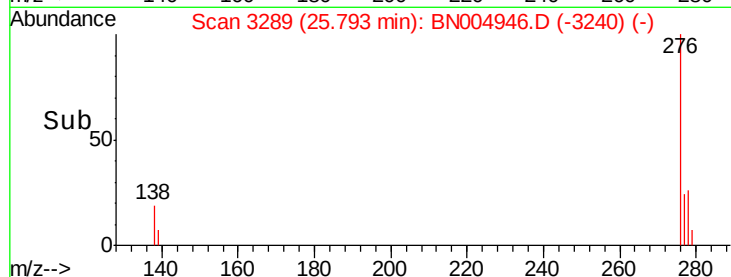
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#39

Benzo(g,h,i)perylene

Concen: 0.143 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004946.D

Acq: 24 Mar 2019 19:22

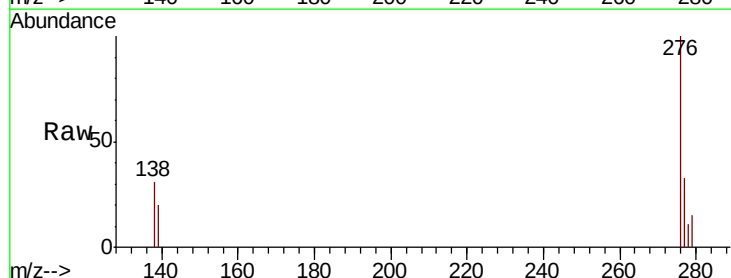
Tgt Ion: 276 Resp: 9767

Ion Ratio Lower Upper

276 100

277 33.3 19.7 29.5#

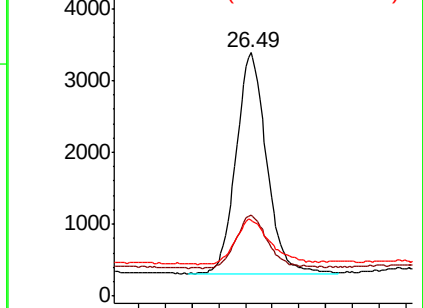
138 31.0 14.6 22.0#



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



Time-->

