

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070119\
 Data File : BN006657.D
 Acq On : 01 Jul 2019 13:01
 Operator : HP/JU
 Sample : K3504-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-SW015-062019

Quant Time: Jul 02 05:04:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 13:47:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4354	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	17745	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9888	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	21169	0.40	ng	0.00
27) Chrysene-d12	21.27	240	19062	0.40	ng	0.00
34) Perylene-d12	23.52	264	21402	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	2877	0.27	ng	0.00
5) Phenol-d6	6.82	99	3971	0.28	ng	0.00
8) Nitrobenzene-d5	8.81	82	2358	0.20	ng	0.01
11) 2-Methylnaphthalene-d10	12.00	152	6441	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	955	0.21	ng	0.00
15) 2-Fluorobiphenyl	12.88	172	8485	0.23	ng	-0.01
25) Fluoranthene-d10	19.08	212	13079	0.21	ng	0.00
29) Terphenyl-d14	19.68	244	8845	0.22	ng	0.00

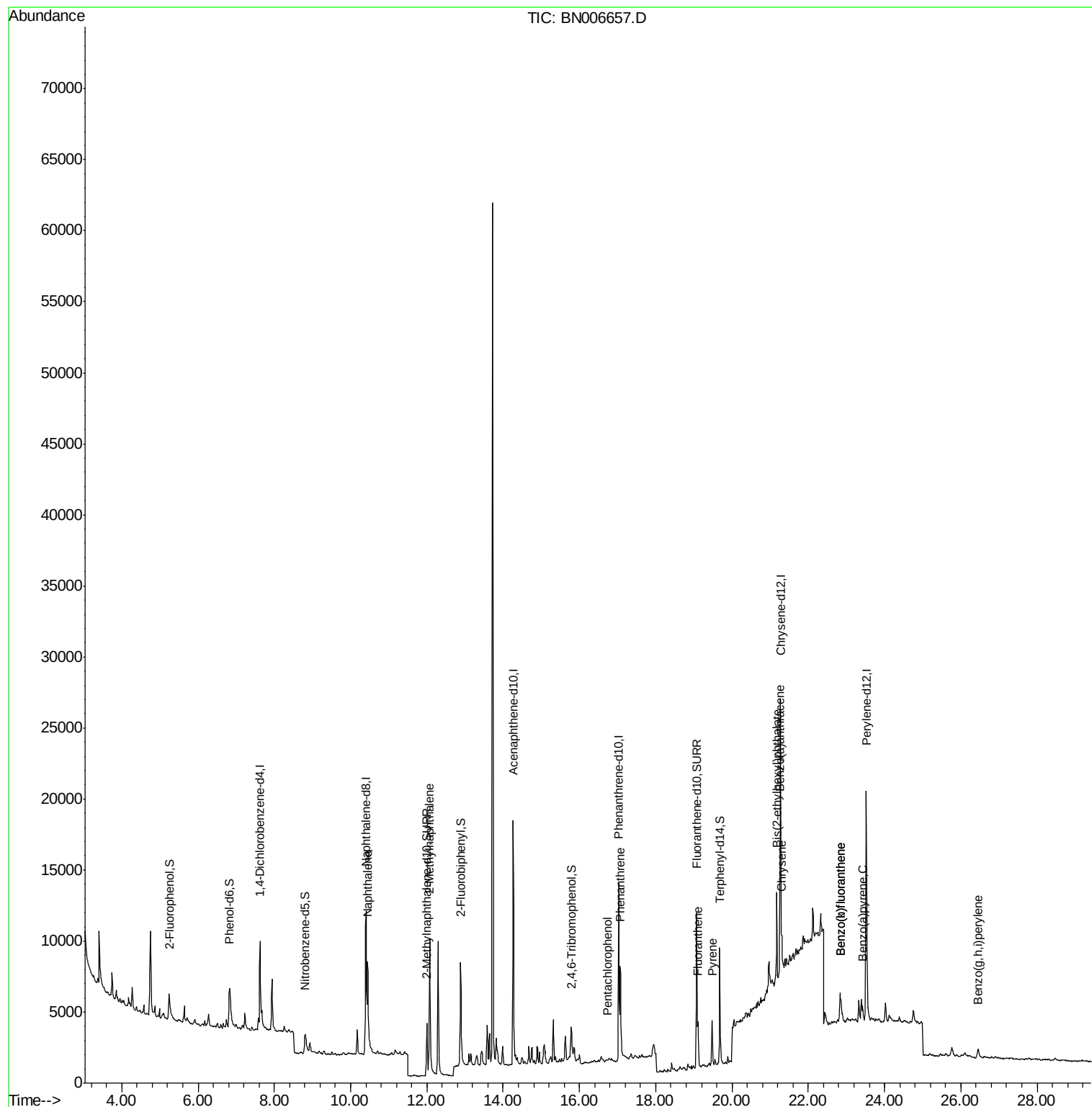
Target Compounds				Qvalue		
9) Naphthalene	10.44	128	10139	0.217	ng	97
12) 2-Methylnaphthalene	12.07	142	8960	0.278	ng	99
22) Pentachlorophenol	16.73	266	9	0.194	ng	# 71
23) Phenanthrene	17.07	178	8062	0.134	ng	98
26) Fluoranthene	19.11	202	2764	0.038	ng	96
28) Pyrene	19.48	202	3178	0.048	ng	# 95
30) Benzo(a)anthracene	21.26	228	1752	0.028	ng	# 50
31) Chrysene	21.31	228	3077	0.046	ng	# 68
32) Bis(2-ethylhexyl)phthalate	21.17	149	5781	0.184	ng	98
35) Benzo(b)fluoranthene	22.86	252	2491	0.034	ng	# 1
36) Benzo(k)fluoranthene	22.86	252	2491	0.032	ng	# 1
37) Benzo(a)pyrene	23.43	252	1649	0.024	ng	# 1
39) Benzo(g,h,i)perylene	26.45	276	1263	0.021	ng	# 24

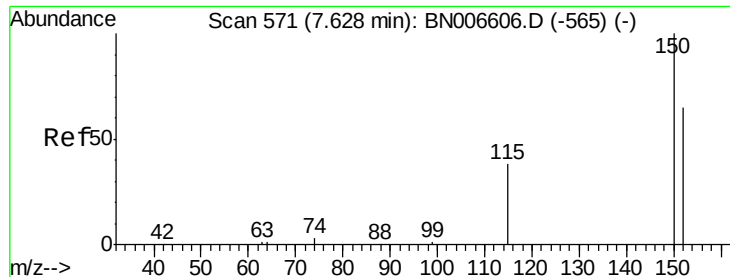
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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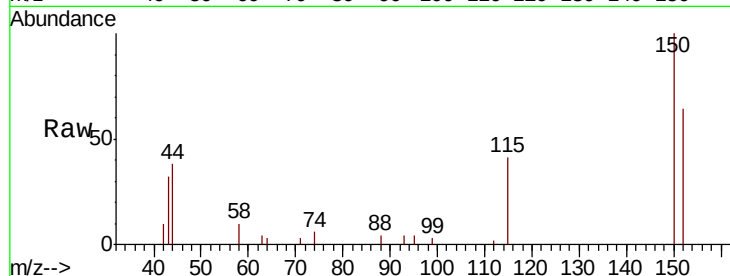


#1

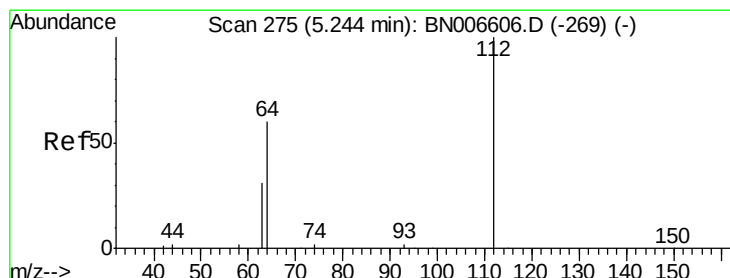
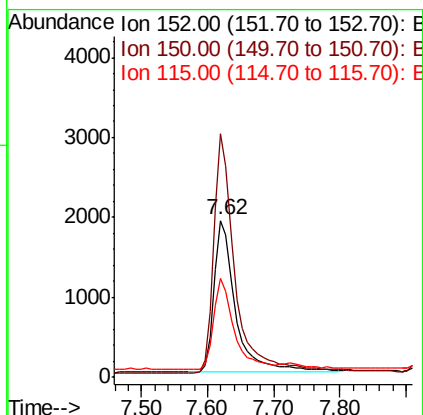
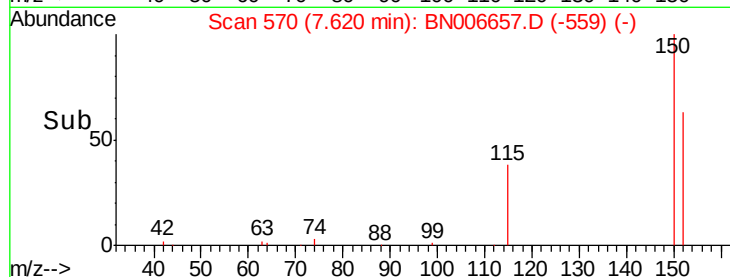
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006657.D
Acq: 01 Jul 2019 13:01

Instrument :
BNA_N
ClientSampleId :
PST-001-SW015-062019

Tgt Ion:152 Resp: 4354
Ion Ratio Lower Upper
152 100
150 155.1 122.2 183.2
115 62.9 50.0 75.0



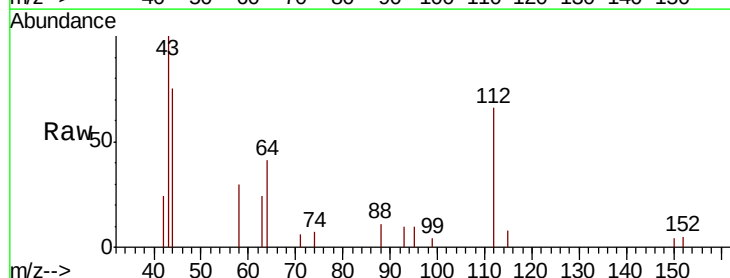
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



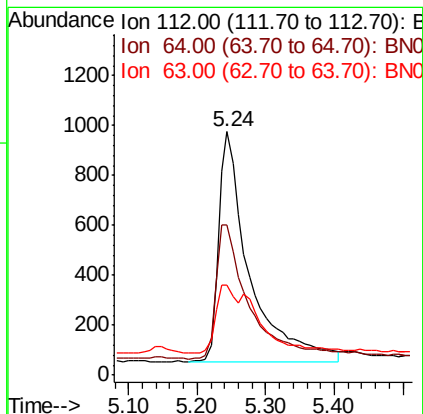
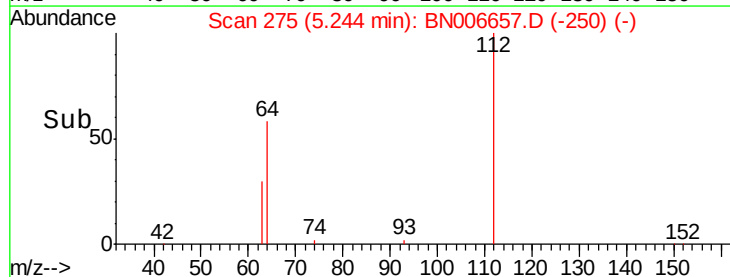
#4

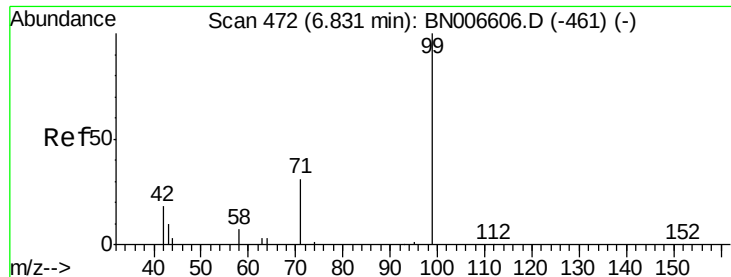
2-Fluorophenol
Concen: 0.269 ng
RT: 5.24 min Scan# 275
Delta R.T. -0.00 min
Lab File: BN006657.D
Acq: 01 Jul 2019 13:01

Tgt Ion:112 Resp: 2877
Ion Ratio Lower Upper
112 100
64 63.4 48.9 73.3
63 20.4 24.3 36.5#



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: 0.281 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

Instrument :

BNA_N

ClientSampleId :

PST-001-SW015-062019

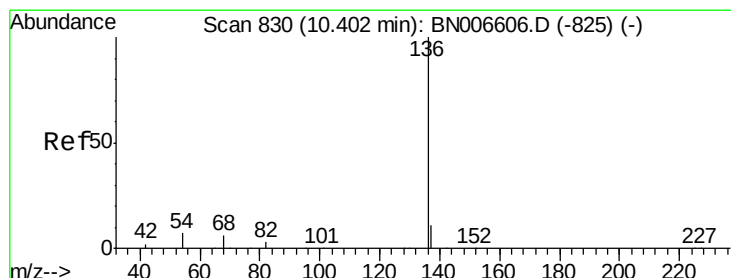
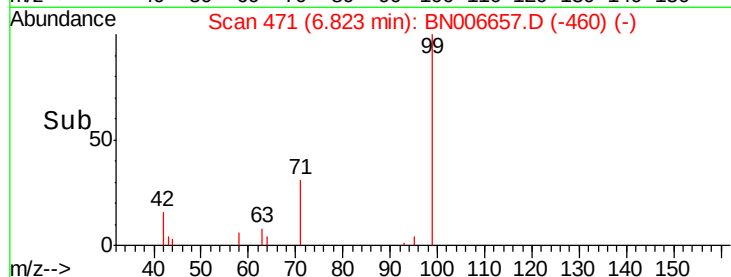
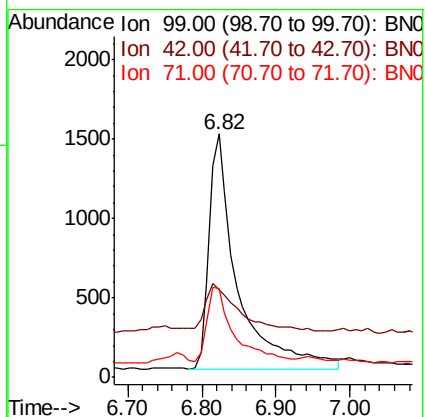
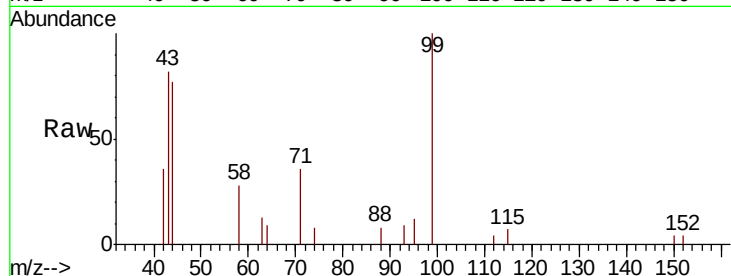
Tgt Ion: 99 Resp: 3971

Ion Ratio Lower Upper

99 100

42 22.9 16.4 24.6

71 29.1 26.6 40.0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.40 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

Tgt Ion: 136 Resp: 17745

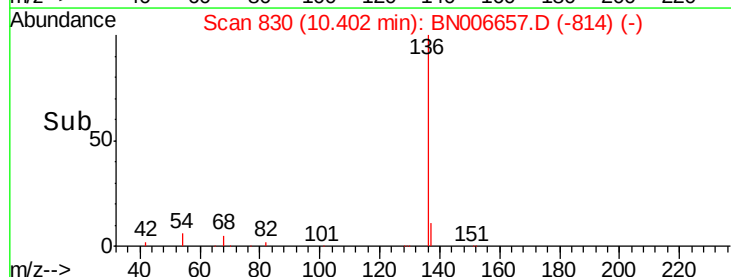
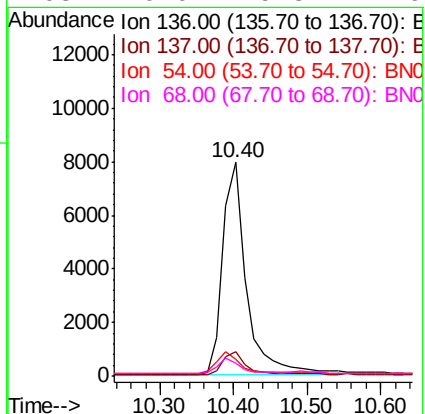
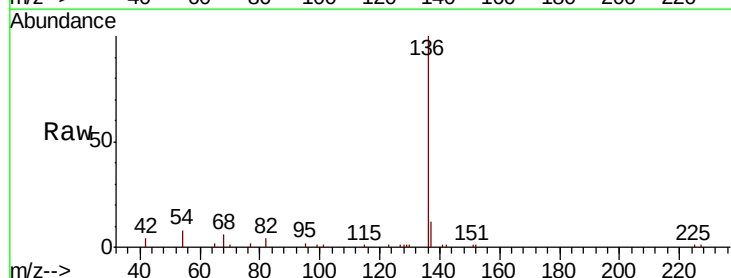
Ion Ratio Lower Upper

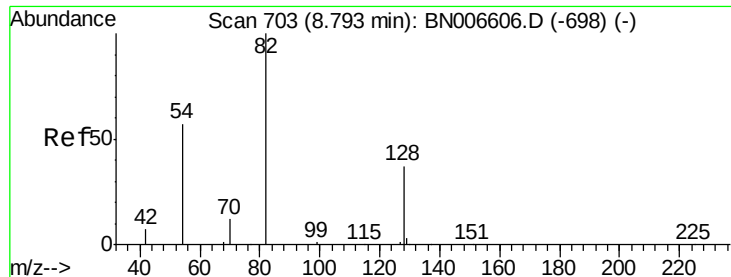
136 100

137 11.7 9.3 13.9

54 7.5 6.7 10.1

68 6.0 5.3 7.9





#8

Nitrobenzene-d5

Concen: 0.198 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

Instrument :

BNA_N

ClientSampleId :

PST-001-SW015-062019

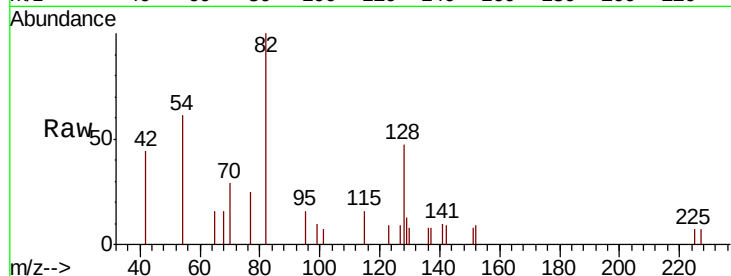
Tgt Ion: 82 Resp: 2358

Ion Ratio Lower Upper

82 100

128 46.8 32.6 49.0

54 60.9 48.2 72.4



Abundance Ion 82.00 (81.70 to 82.70): BN006606.D (-698) (-)

Ion 128.00 (127.70 to 128.70): BN006606.D (-698) (-)

Ion 54.00 (53.70 to 54.70): BN006606.D (-698) (-)

8.81

600

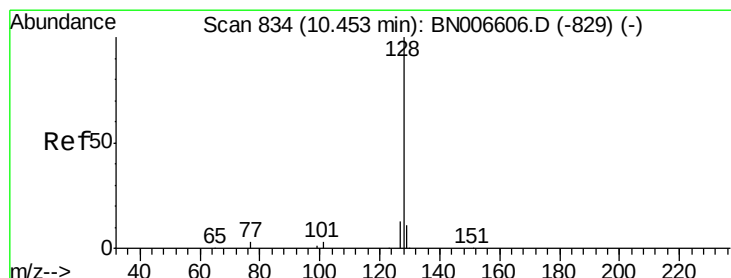
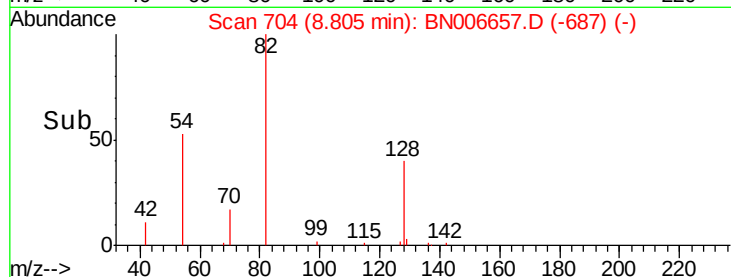
400

200

0

8.70 8.80 8.90

Time-->



#9

Naphthalene

Concen: 0.217 ng

RT: 10.44 min Scan# 833

Delta R.T. -0.01 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

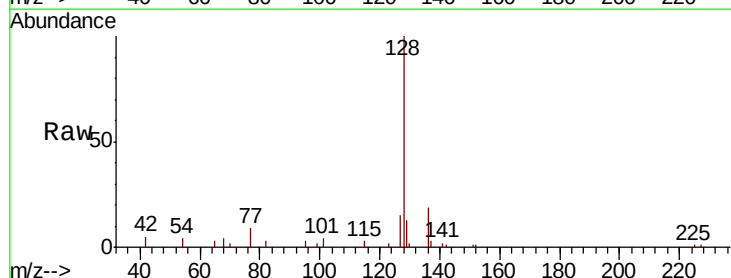
Tgt Ion: 128 Resp: 10139

Ion Ratio Lower Upper

128 100

129 12.5 9.3 13.9

127 14.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): BN006606.D (-829) (-)

Ion 129.00 (128.70 to 129.70): BN006606.D (-829) (-)

Ion 127.00 (126.70 to 127.70): BN006606.D (-829) (-)

10.44

5000

4000

3000

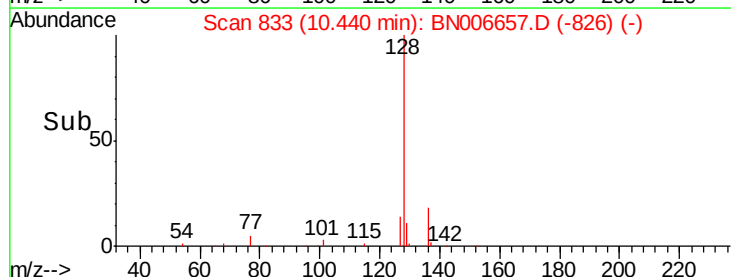
2000

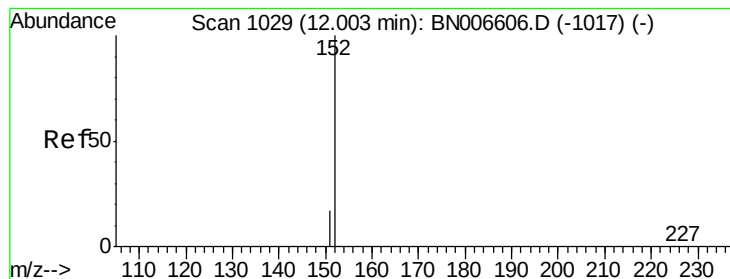
1000

0

10.30 10.40 10.50 10.60

Time-->

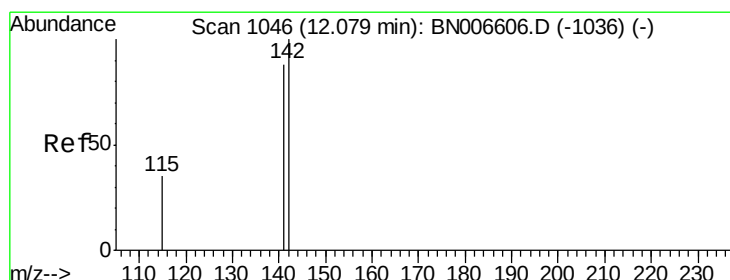
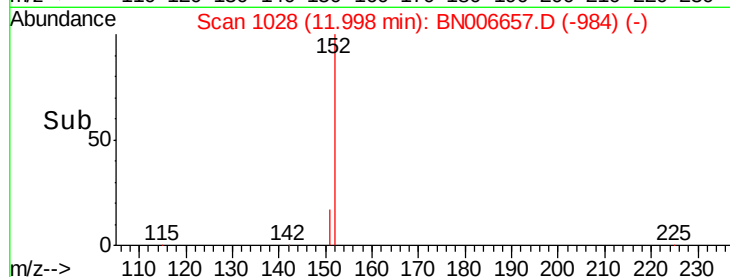
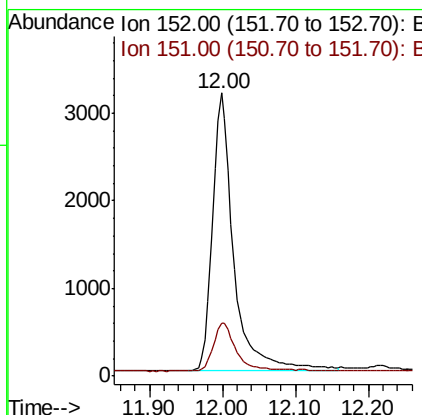
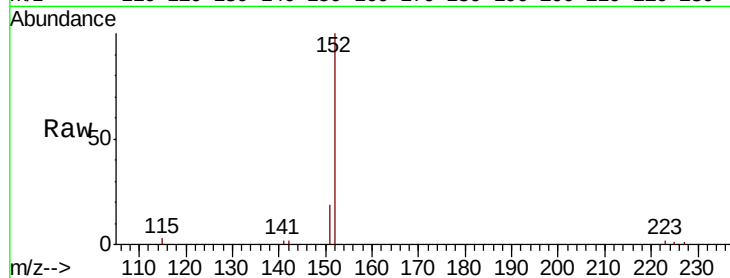




#11
 2-Methylnaphthalene-d10
 Concen: 0.230 ng
 RT: 12.00 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BN006657.D
 Acq: 01 Jul 2019 13:01

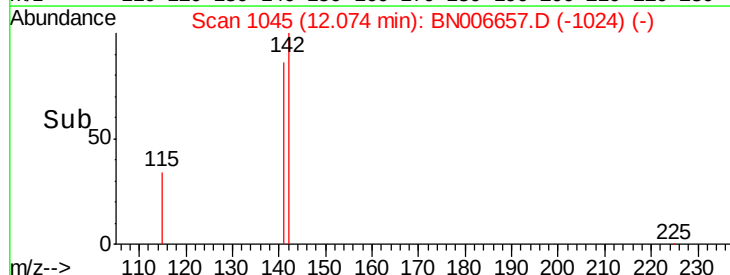
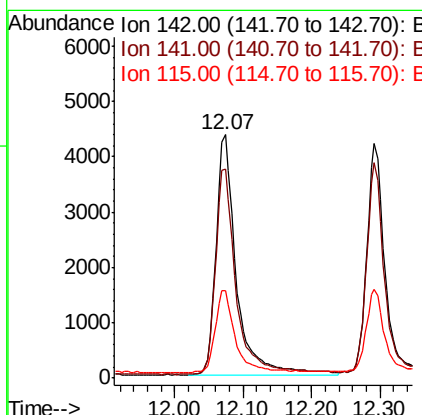
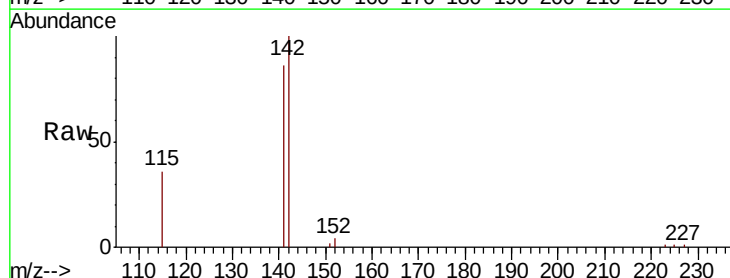
Instrument :
 BNA_N
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 PST-001-SW015-062019

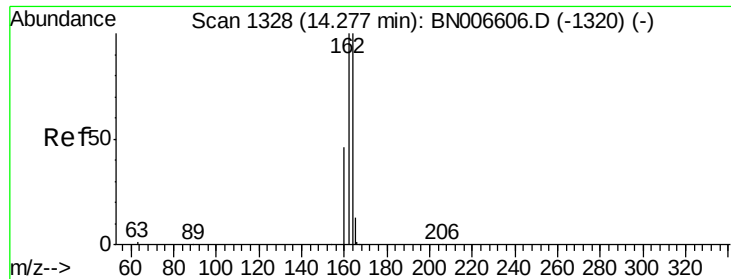
Tgt Ion:152 Resp: 6441
 Ion Ratio Lower Upper
 152 100
 151 18.6 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.278 ng
 RT: 12.07 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BN006657.D
 Acq: 01 Jul 2019 13:01

Tgt Ion:142 Resp: 8960
 Ion Ratio Lower Upper
 142 100
 141 86.1 70.2 105.4
 115 35.7 28.5 42.7

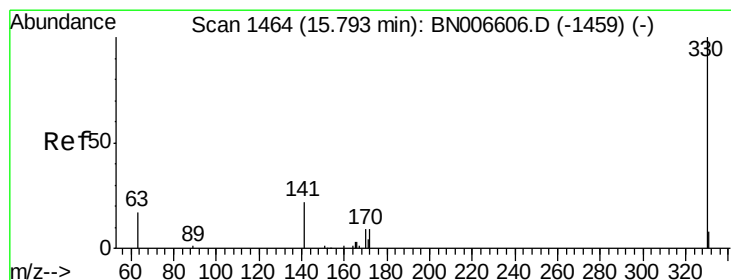
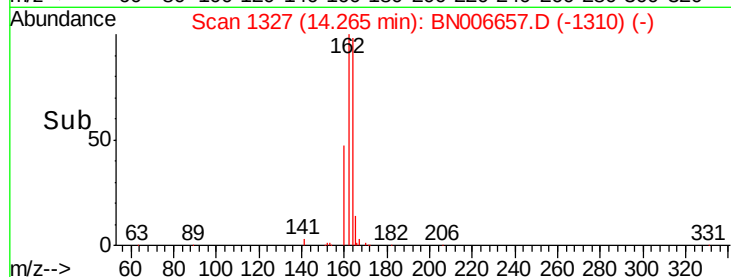
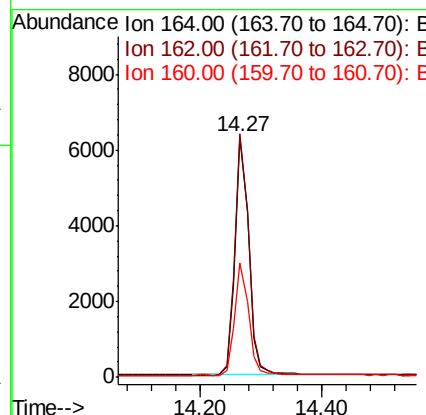
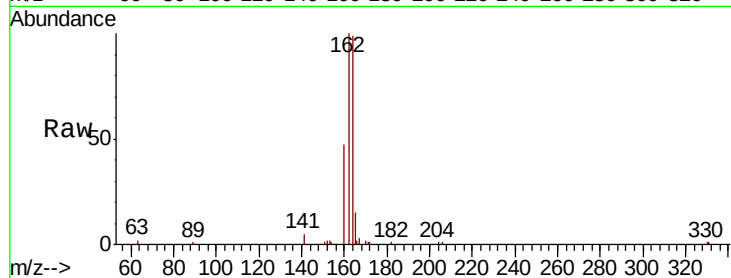




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.27 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BN006657.D
 Acq: 01 Jul 2019 13:01

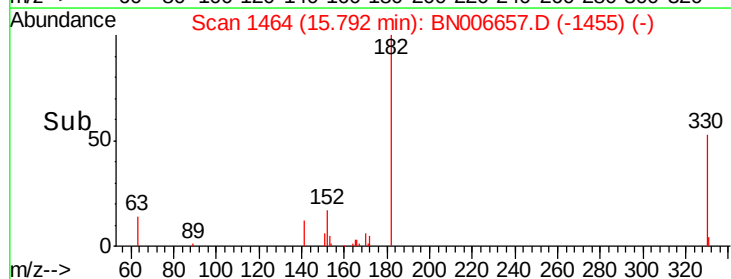
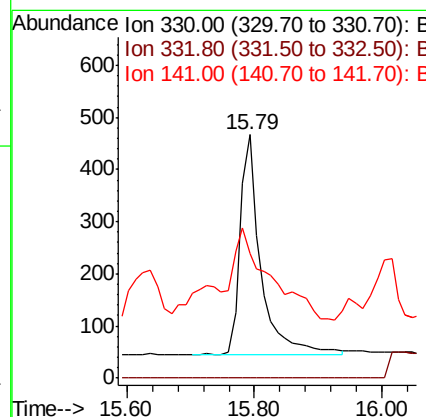
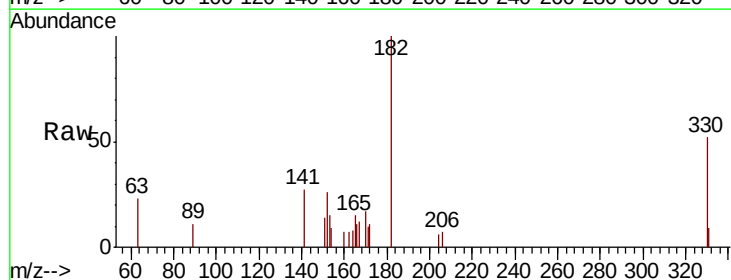
Instrument :
 BNA_N
 ClientSampleId :
 PST-001-SW015-062019

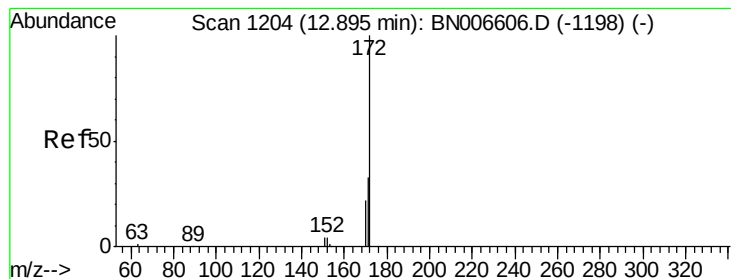
Tgt Ion:164 Resp: 9888
 Ion Ratio Lower Upper
 164 100
 162 101.4 80.0 120.0
 160 47.8 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.205 ng
 RT: 15.79 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BN006657.D
 Acq: 01 Jul 2019 13:01

Tgt Ion:330 Resp: 955
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 73.1 26.5 39.7#

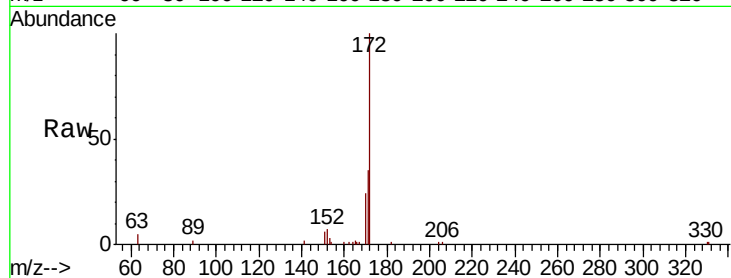




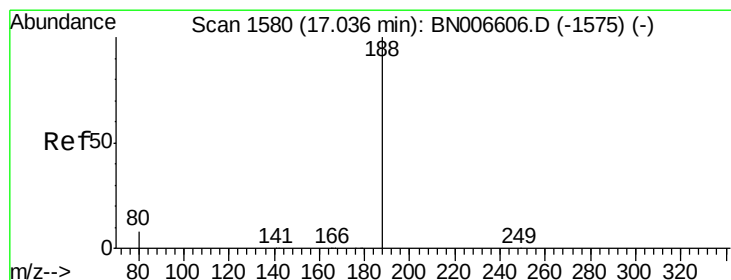
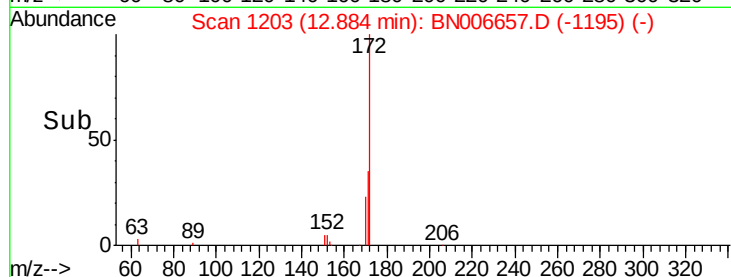
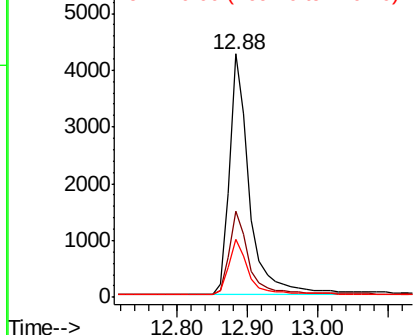
#15
2-Fluorobiphenyl
Concen: 0.232 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006657.D
Acq: 01 Jul 2019 13:01

Instrument :
BNA_N
ClientSampleId :
PST-001-SW015-062019

Tgt Ion:172 Resp: 8485
Ion Ratio Lower Upper
172 100
171 35.3 27.0 40.4
170 24.1 17.7 26.5

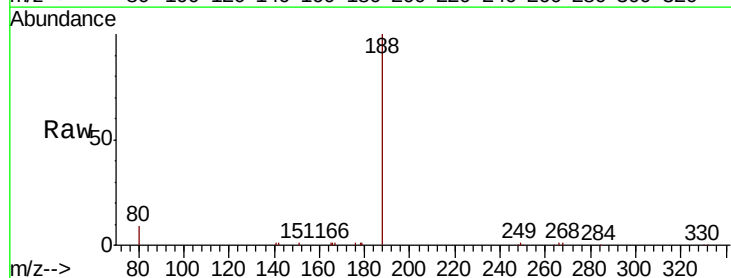


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

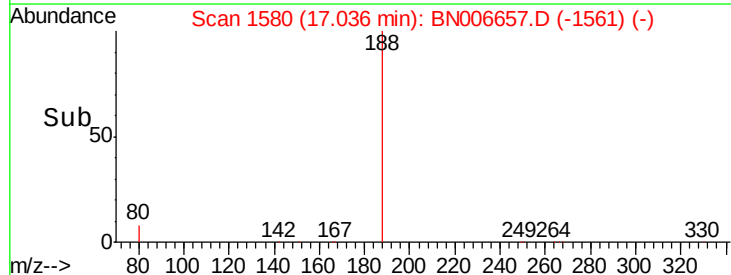
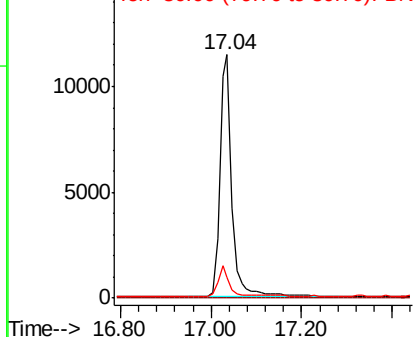


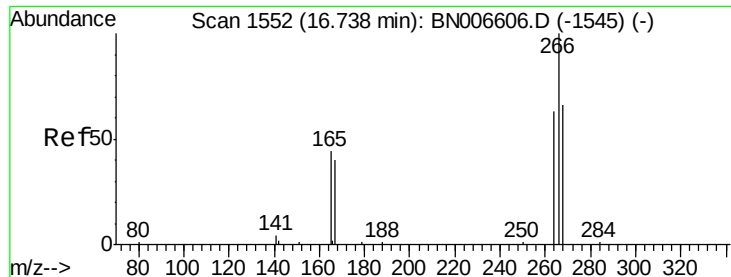
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BN006657.D
Acq: 01 Jul 2019 13:01

Tgt Ion:188 Resp: 21169
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.8 7.1 10.7



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





#22

Pentachlorophenol

Concen: 0.194 ng

RT: 16.73 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

Instrument :

BNA_N

ClientSampleId :

PST-001-SW015-062019

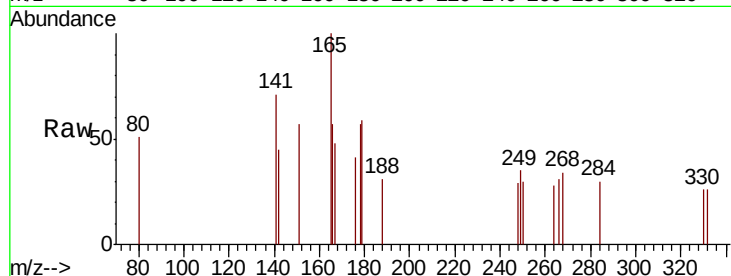
Tgt Ion:266 Resp: 9

Ion Ratio Lower Upper

266 100

264 89.5 56.2 84.4#

268 108.8 63.0 94.4#

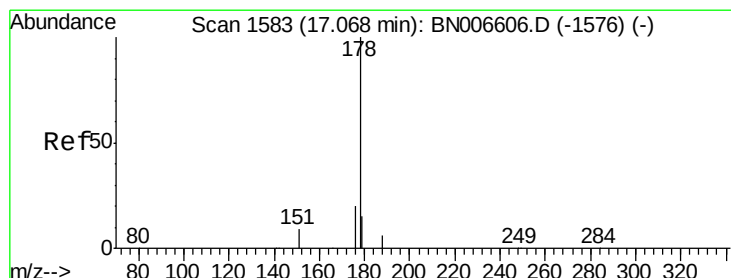
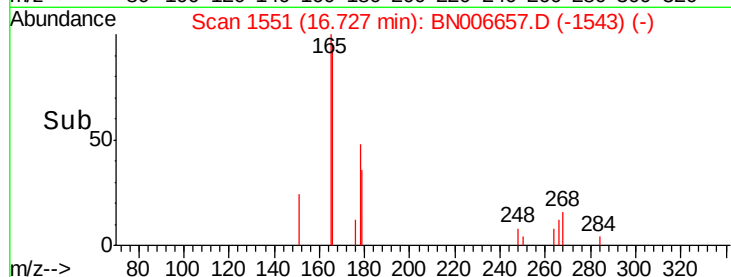
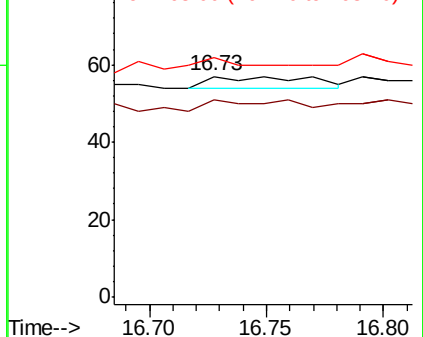


Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 0.134 ng

RT: 17.07 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

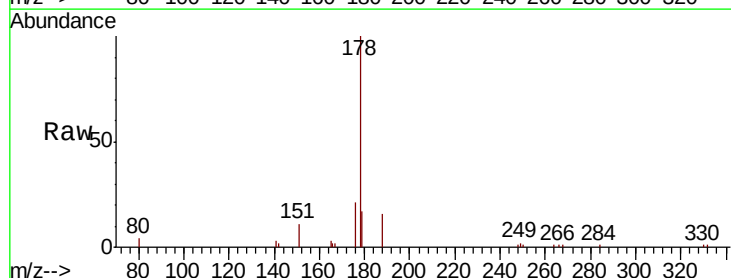
Tgt Ion:178 Resp: 8062

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 17.2 12.2 18.4

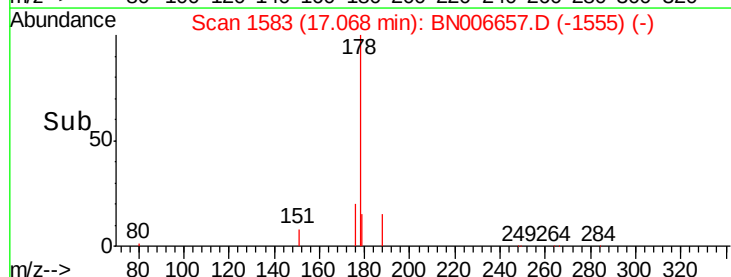
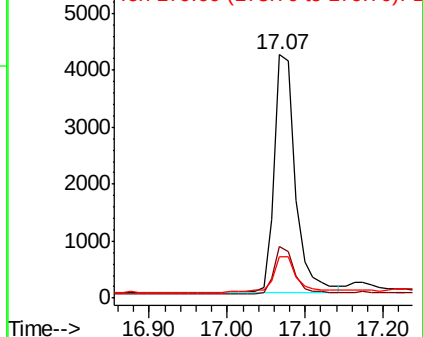


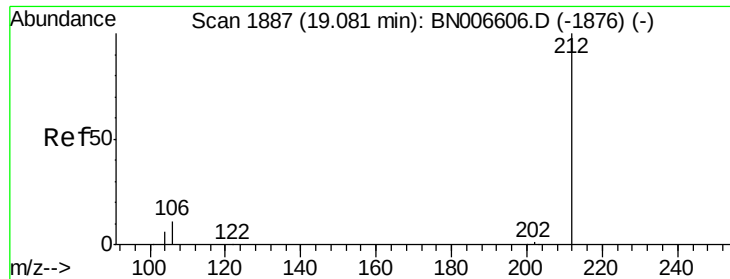
Abundance

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: 0.210 ng

RT: 19.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

Instrument :

BNA_N

ClientSampleId :

PST-001-SW015-062019

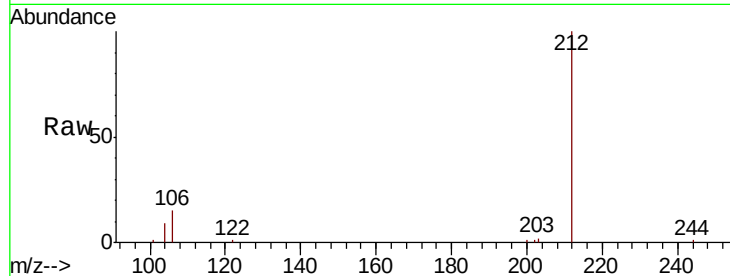
Tgt Ion:212 Resp: 13079

Ion Ratio Lower Upper

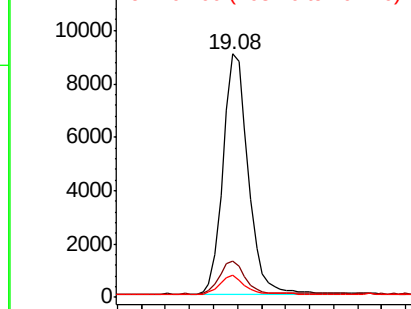
212 100

106 14.0 10.6 15.8

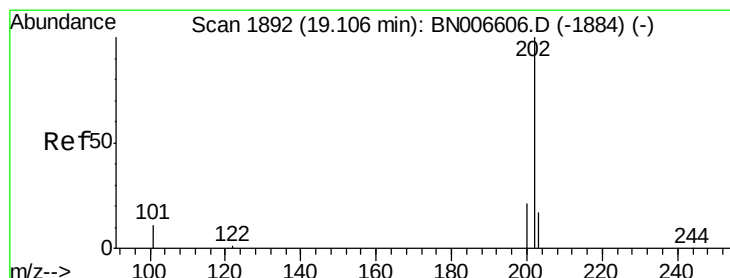
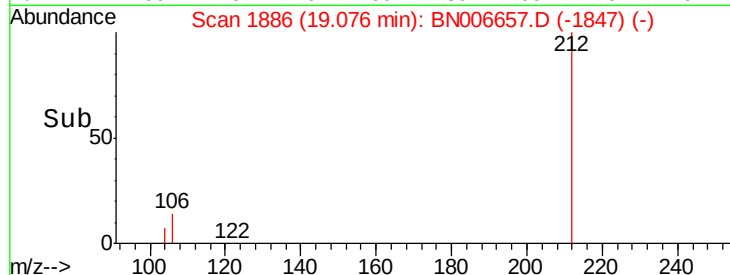
104 8.1 5.8 8.6



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



Time-->



#26

Fluoranthene

Concen: 0.038 ng

RT: 19.11 min Scan# 1893

Delta R.T. 0.00 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

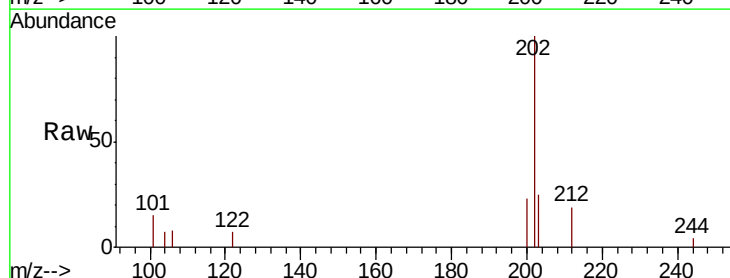
Tgt Ion:202 Resp: 2764

Ion Ratio Lower Upper

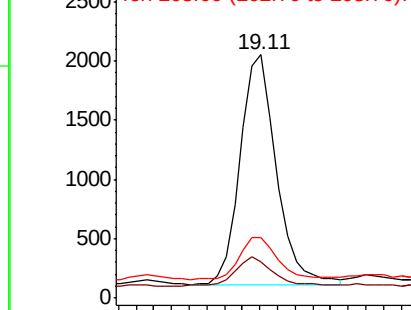
202 100

101 12.9 8.9 13.3

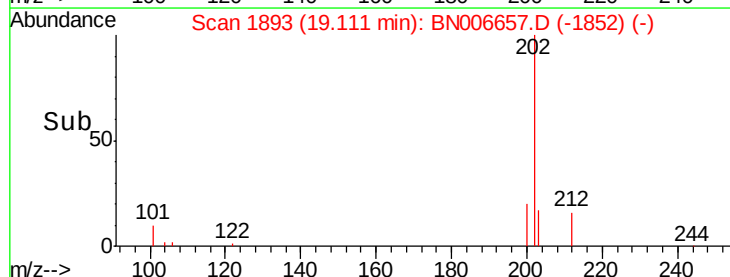
203 18.3 13.6 20.4

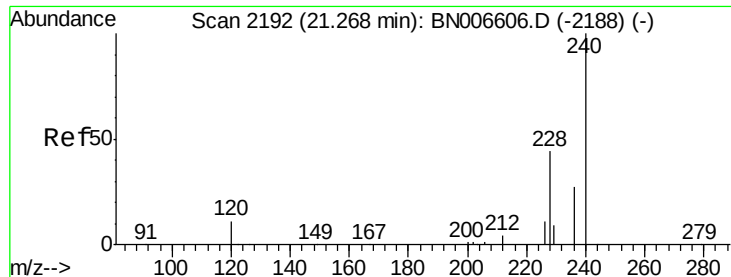


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

Instrument :

BNA_N

ClientSampleId :

PST-001-SW015-062019

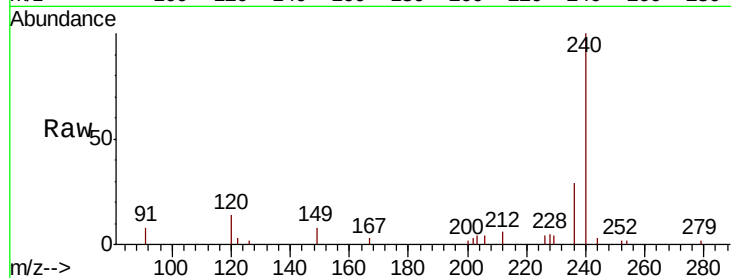
Tgt Ion:240 Resp: 19062

Ion Ratio Lower Upper

240 100

120 14.1 9.9 14.9

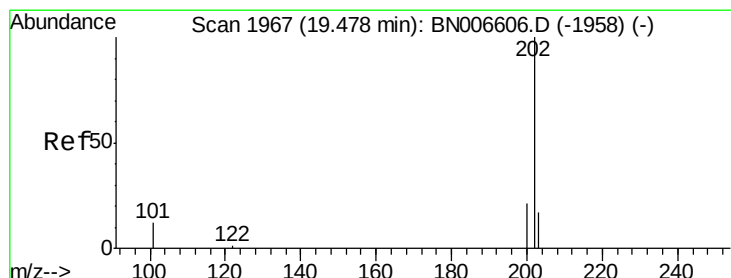
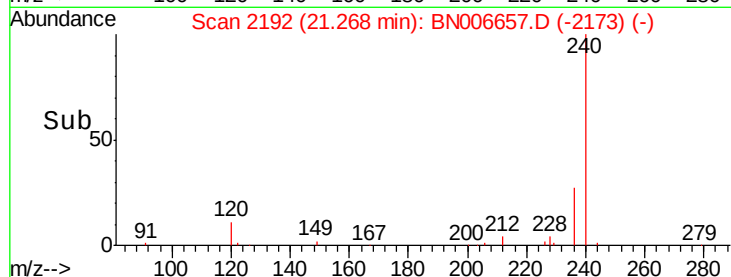
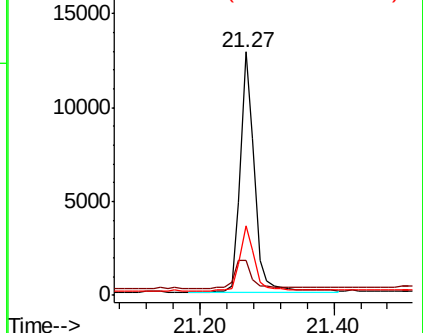
236 28.5 22.2 33.4



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: 0.048 ng

RT: 19.48 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

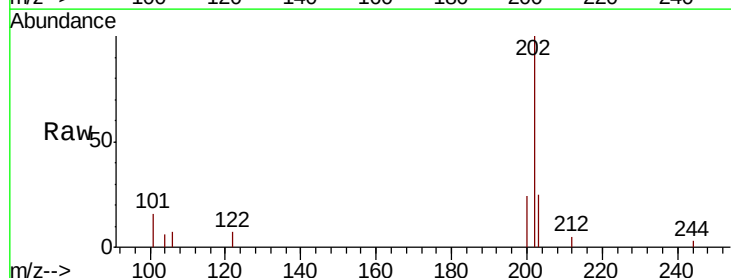
Tgt Ion:202 Resp: 3178

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

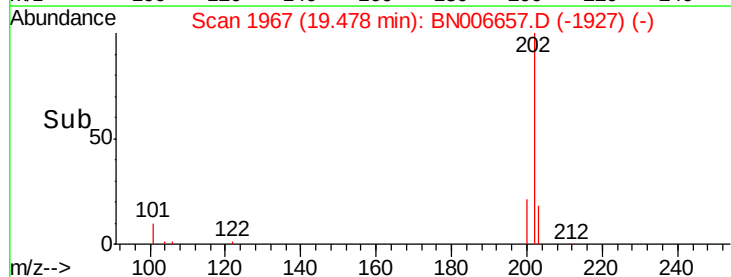
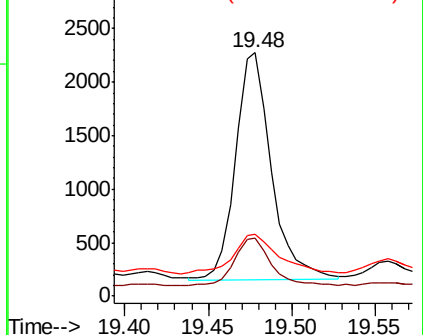
203 22.0 14.1 21.1#

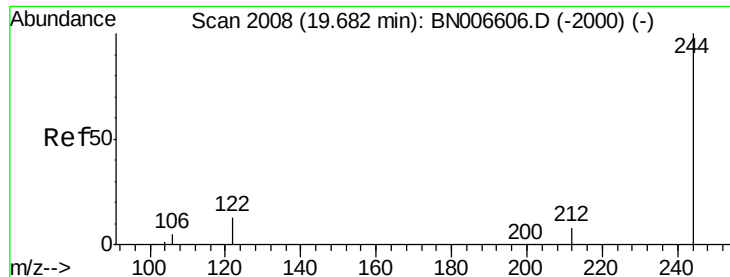


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.222 ng

RT: 19.68 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

Instrument :

BNA_N

ClientSampleId :

PST-001-SW015-062019

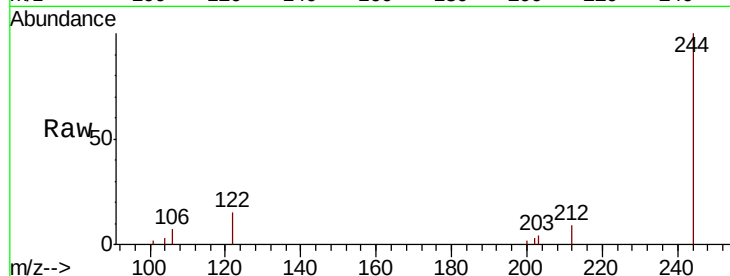
Tgt Ion:244 Resp: 8845

Ion Ratio Lower Upper

244 100

212 9.5 6.7 10.1

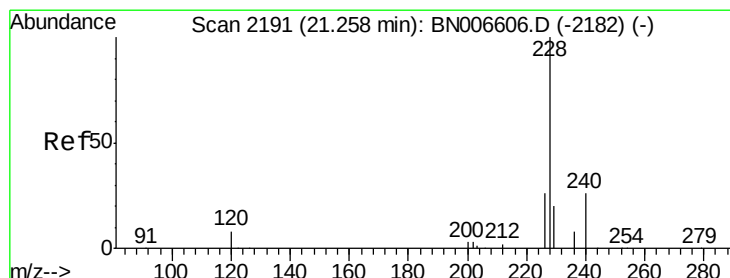
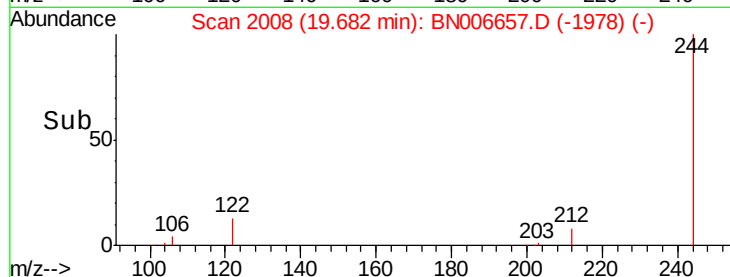
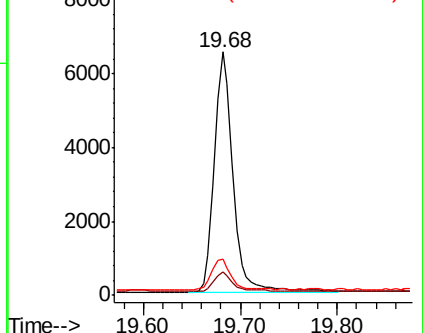
122 14.8 11.0 16.6



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: 0.028 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

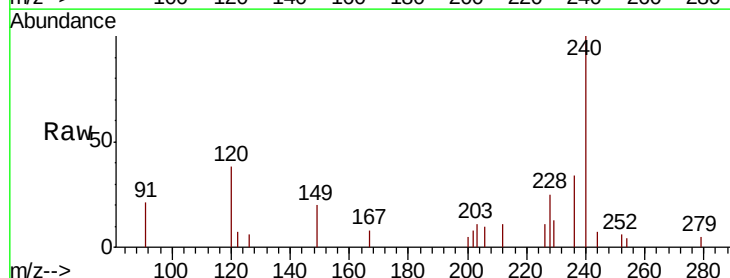
Tgt Ion:228 Resp: 1752

Ion Ratio Lower Upper

228 100

226 45.3 21.2 31.8#

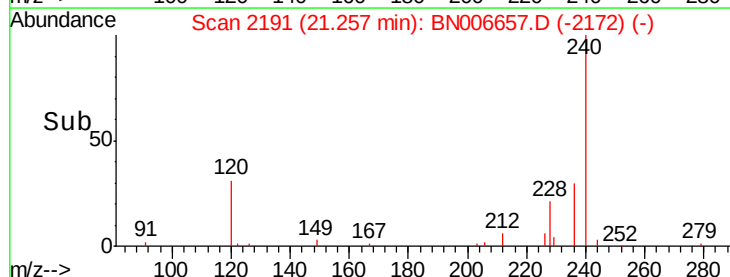
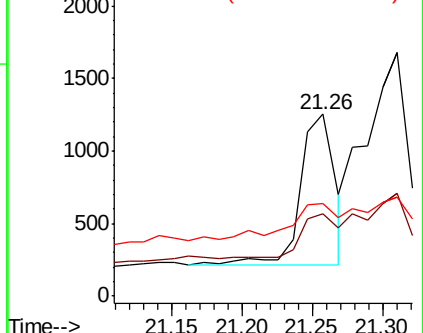
229 51.1 16.1 24.1#

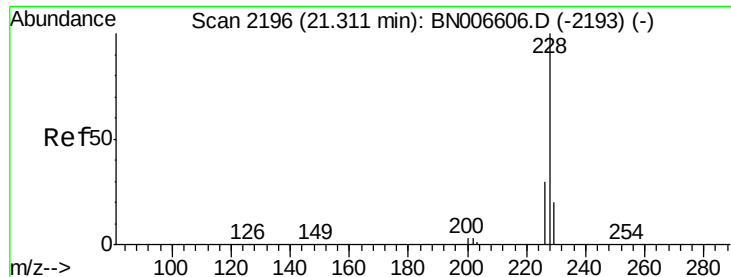


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.046 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

Instrument :

BNA_N

ClientSampleId :

PST-001-SW015-062019

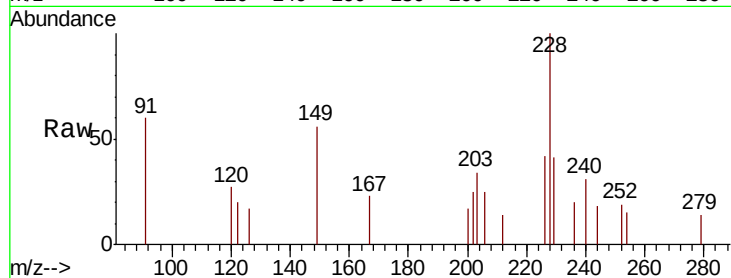
Tgt Ion:228 Resp: 3077

Ion Ratio Lower Upper

228 100

226 42.1 23.8 35.6#

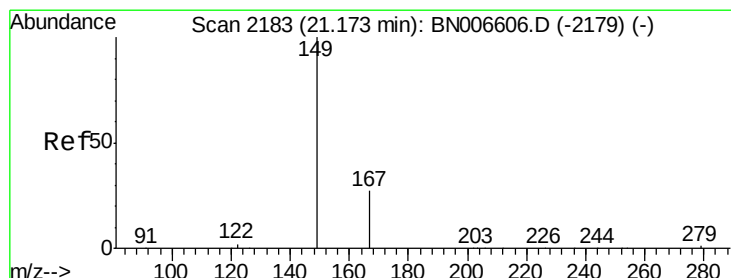
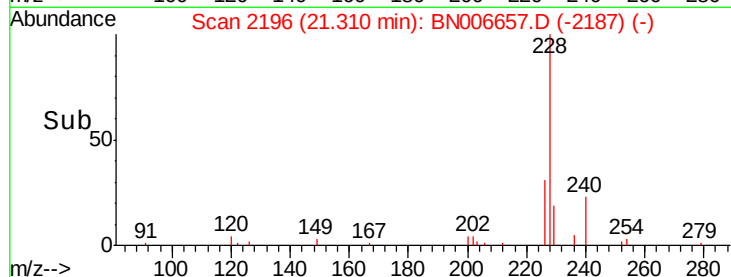
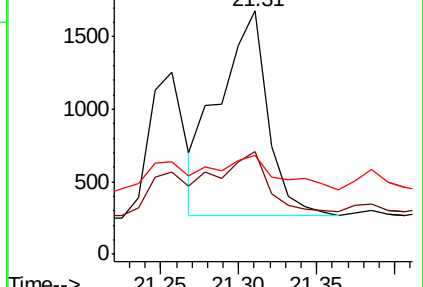
229 40.8 15.9 23.9#



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: 0.184 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BN006657.D

Acq: 01 Jul 2019 13:01

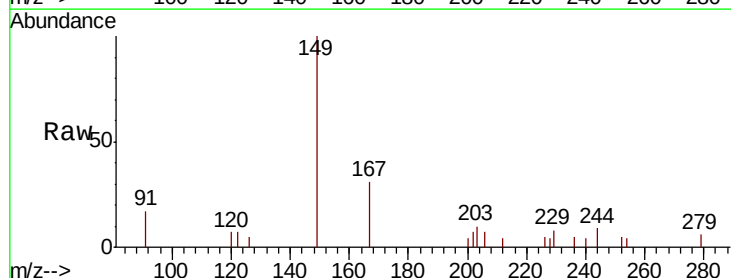
Tgt Ion:149 Resp: 5781

Ion Ratio Lower Upper

149 100

167 27.8 22.9 34.3

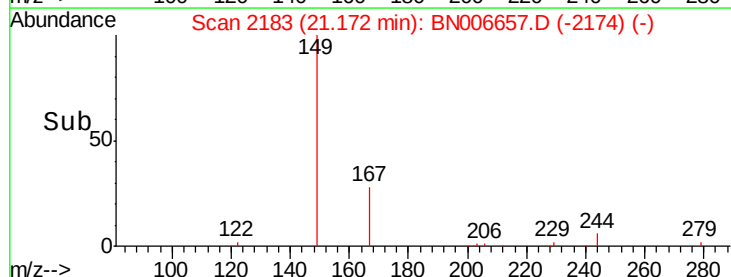
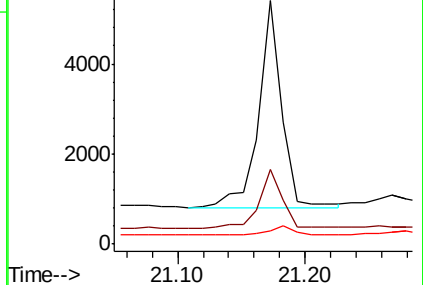
279 4.6 3.3 4.9

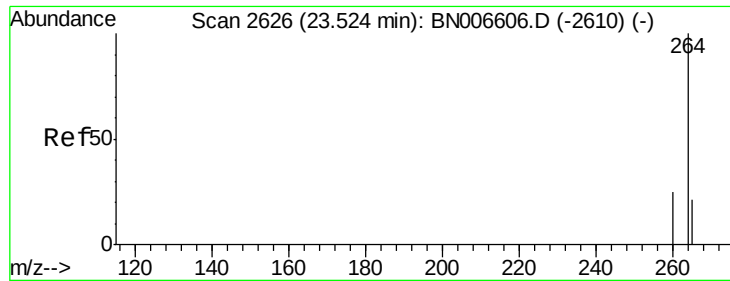


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

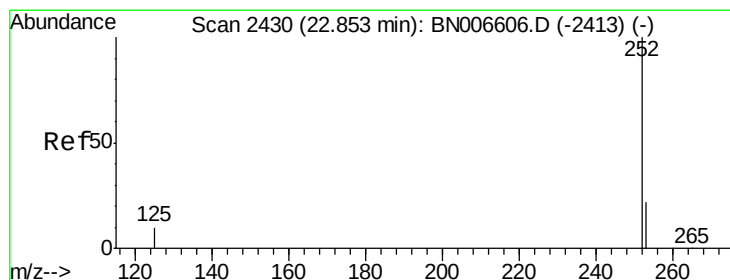
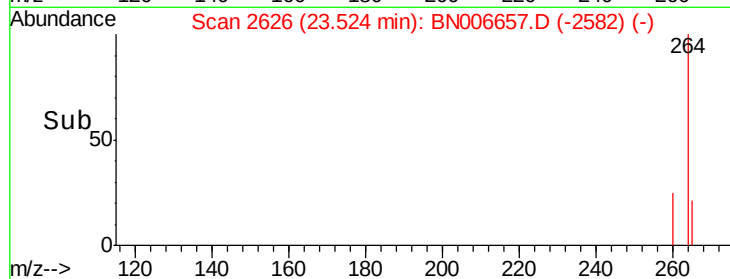
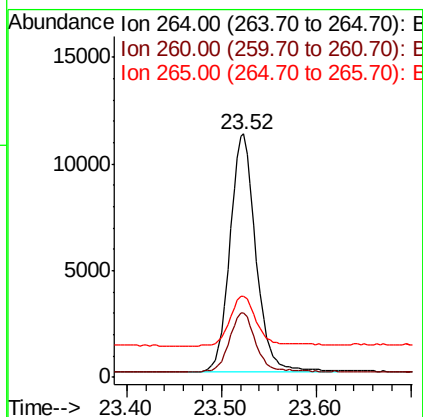
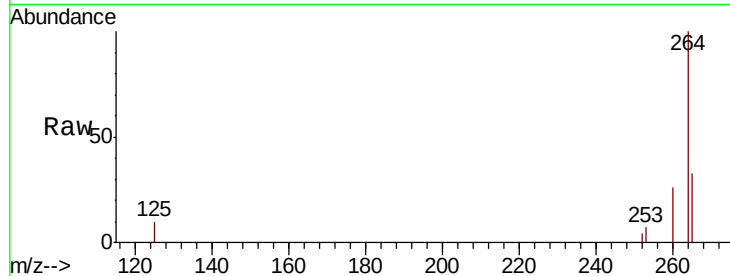




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.52 min Scan# 2626
 Delta R.T. -0.00 min
 Lab File: BN006657.D
 Acq: 01 Jul 2019 13:01

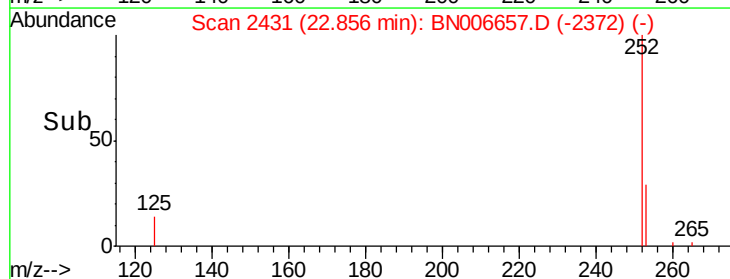
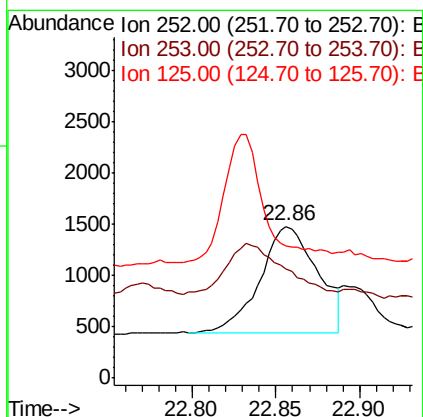
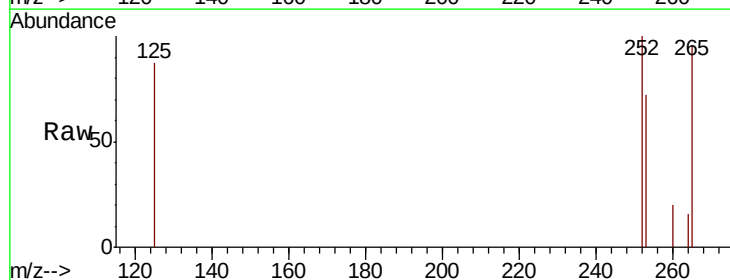
Instrument :
 BNA_N
 ClientSampleId :
 PST-001-SW015-062019

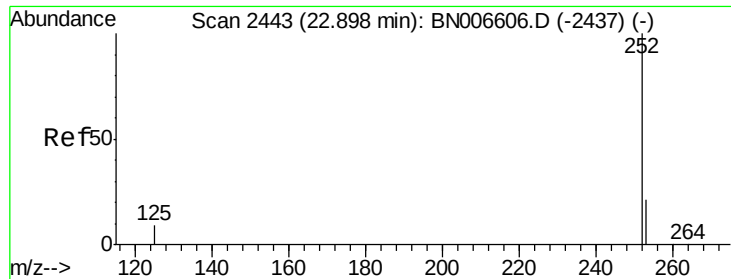
Tgt Ion: 264 Resp: 21402
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.2 30.2
 265 33.4 23.3 34.9



#35
Benzo(b)fluoranthene
 Concen: 0.034 ng
 RT: 22.86 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BN006657.D
 Acq: 01 Jul 2019 13:01

Tgt Ion: 252 Resp: 2491
 Ion Ratio Lower Upper
 252 100
 253 71.6 18.4 27.6#
 125 87.4 8.7 13.1#

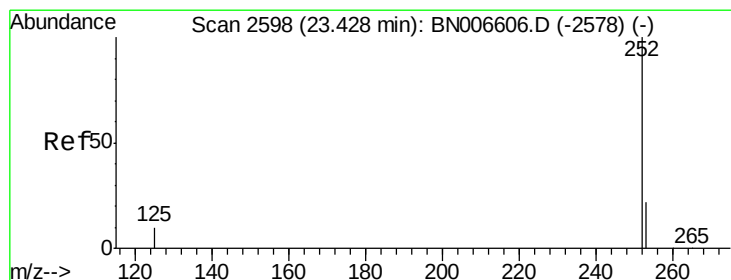
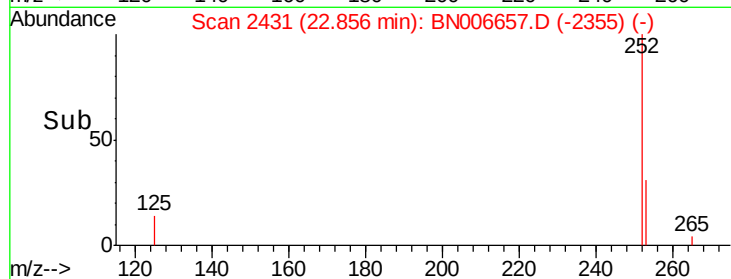
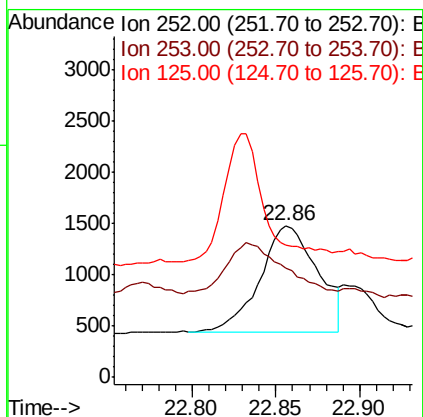
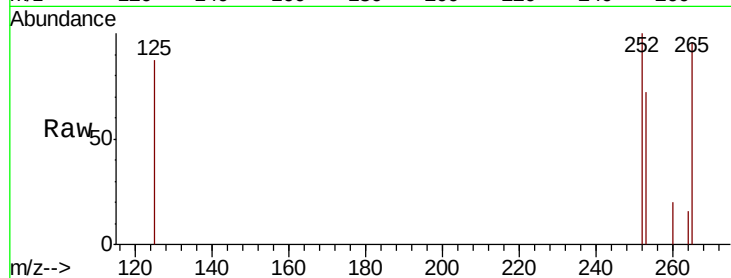




#36
Benzo(k)fluoranthene
Concen: 0.032 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.04 min
Lab File: BN006657.D
Acq: 01 Jul 2019 13:01

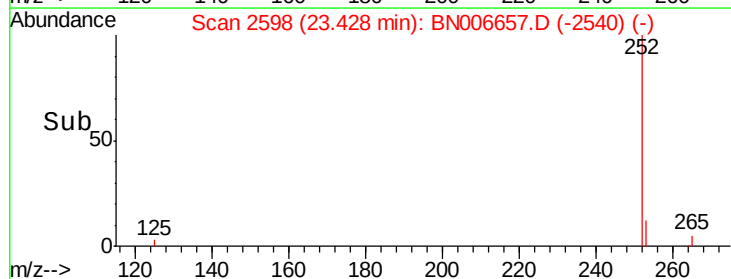
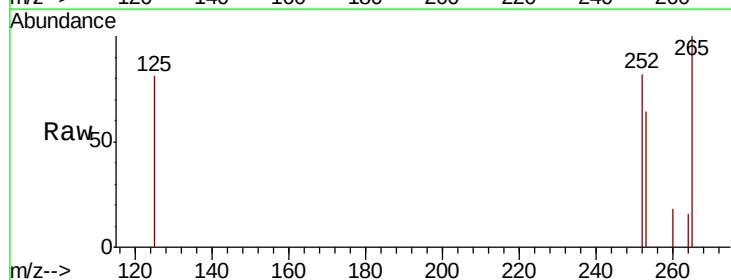
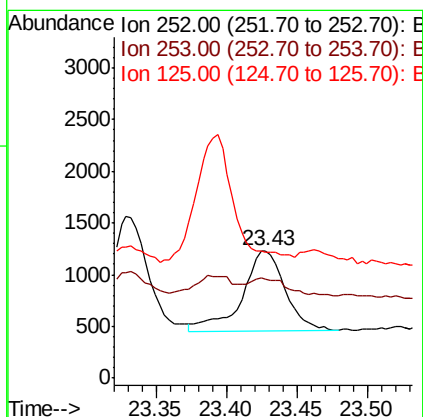
Instrument :
BNA_N
ClientSampleId :
PST-001-SW015-062019

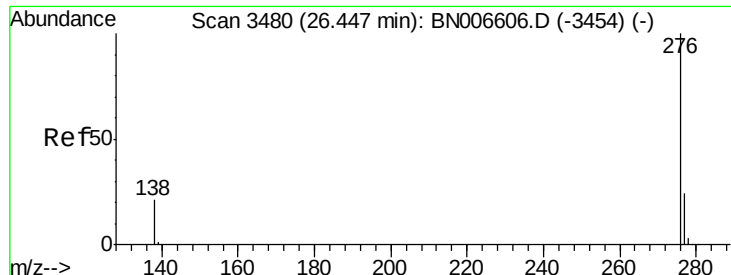
Tgt Ion: 252 Resp: 2491
Ion Ratio Lower Upper
252 100
253 71.6 18.3 27.5#
125 87.4 8.4 12.6#



#37
Benzo(a)pyrene
Concen: 0.024 ng
RT: 23.43 min Scan# 2598
Delta R.T. -0.00 min
Lab File: BN006657.D
Acq: 01 Jul 2019 13:01

Tgt Ion: 252 Resp: 1649
Ion Ratio Lower Upper
252 100
253 77.7 18.8 28.2#
125 98.5 9.4 14.2#





#39

Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 26.45 min Scan# 3481

Delta R.T. 0.00 min

Lab File: BN006657.D

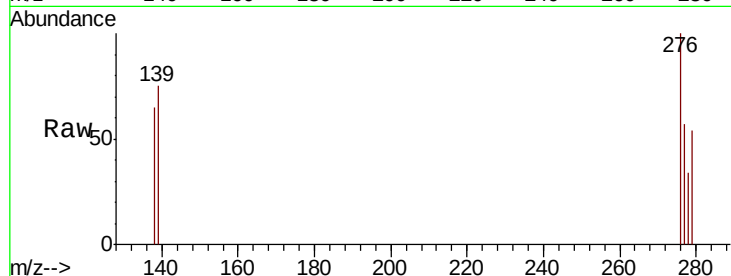
Acq: 01 Jul 2019 13:01

Instrument :

BNA_N

ClientSampleId :

PST-001-SW015-062019



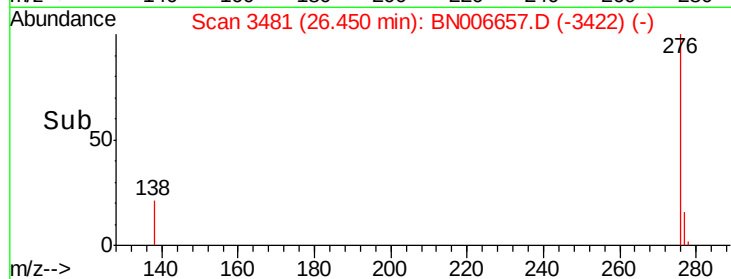
Tgt Ion: 276 Resp: 1263

Ion Ratio Lower Upper

276 100

277 56.6 19.6 29.4#

138 64.8 17.7 26.5#



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

