

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070119\
 Data File : BN006658.D
 Acq On : 01 Jul 2019 13:36
 Operator : HP/JU
 Sample : K2504-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B200-062019

Quant Time: Jul 02 05:04:43 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	4284	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	17033	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9418	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	20556	0.40	ng	0.00
27) Chrysene-d12	21.28	240	19072	0.40	ng	0.01
34) Perylene-d12	23.53	264	21253	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	2475	0.24	ng	0.00
5) Phenol-d6	6.82	99	3345	0.24	ng	0.00
8) Nitrobenzene-d5	8.81	82	2016	0.18	ng	0.01
11) 2-Methylnaphthalene-d10	12.00	152	5353	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	885	0.20	ng	0.00
15) 2-Fluorobiphenyl	12.88	172	6970	0.20	ng	-0.01
25) Fluoranthene-d10	19.08	212	10838	0.18	ng	0.00
29) Terphenyl-d14	19.68	244	7262	0.18	ng	0.00

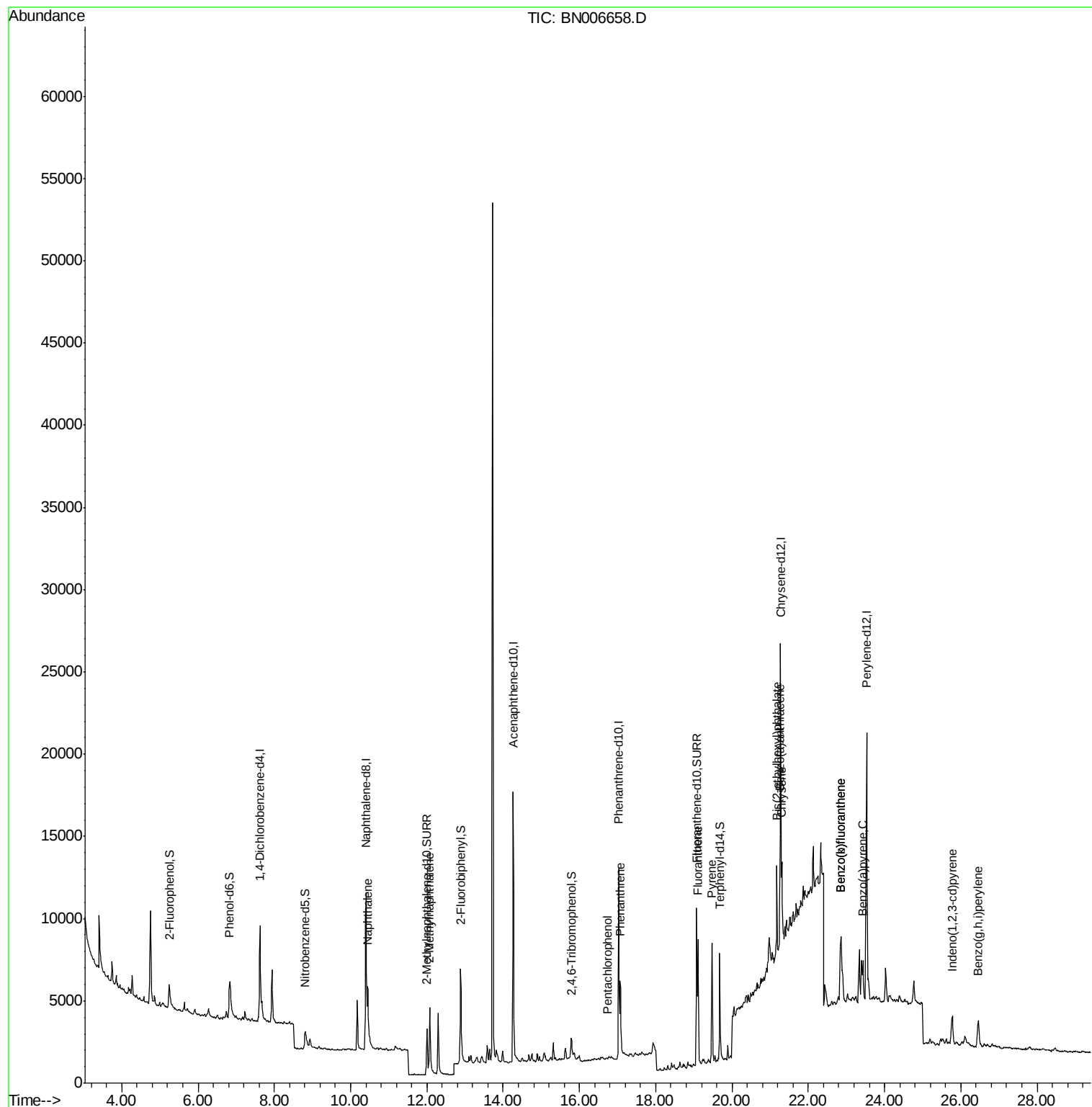
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.45	128	5646	0.126	ng	95
12) 2-Methylnaphthalene	12.07	142	4151	0.134	ng	97
22) Pentachlorophenol	16.73	266	13	0.196	ng	# 76
23) Phenanthrene	17.07	178	5420	0.093	ng	98
26) Fluoranthene	19.11	202	7215	0.102	ng	97
28) Pyrene	19.47	202	7114	0.107	ng	97
30) Benzo(a)anthracene	21.26	228	2780	0.045	ng	# 68
31) Chrysene	21.31	228	5118	0.076	ng	# 81
32) Bis(2-ethylhexyl)phthalate	21.17	149	5972	0.190	ng	99
33) Indeno(1,2,3-cd)pyrene	25.77	276	2772	0.041	ng	99
35) Benzo(b)fluoranthene	22.86	252	6624	0.092	ng	# 32
36) Benzo(k)fluoranthene	22.86	252	6624	0.086	ng	# 31
37) Benzo(a)pyrene	23.43	252	3595	0.053	ng	# 7
39) Benzo(g,h,i)perylene	26.46	276	3510	0.060	ng	# 55

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

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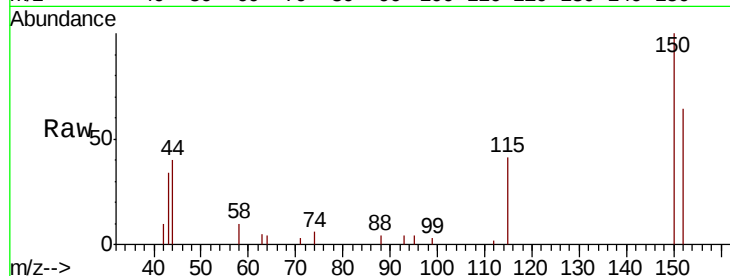


#1

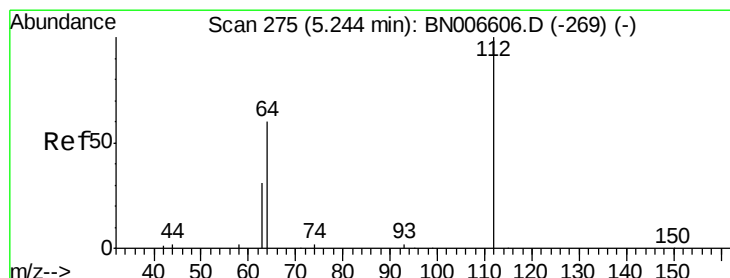
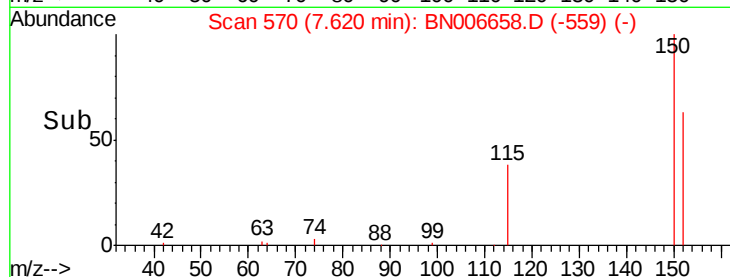
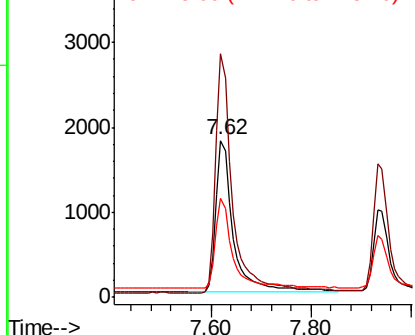
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006658.D
Acq: 01 Jul 2019 13:36

Instrument :
BNA_N
ClientSampleId :
PST-001-B200-062019

Tgt Ion:152 Resp: 4284
Ion Ratio Lower Upper
152 100
150 155.2 122.2 183.2
115 63.4 50.0 75.0



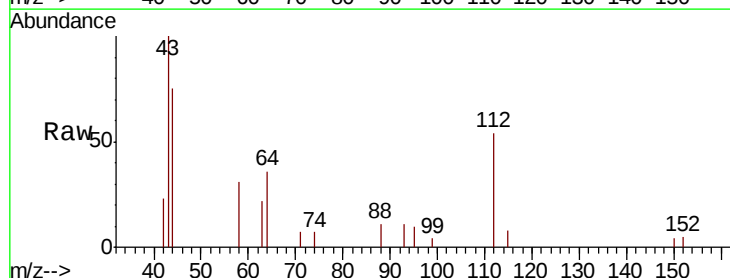
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



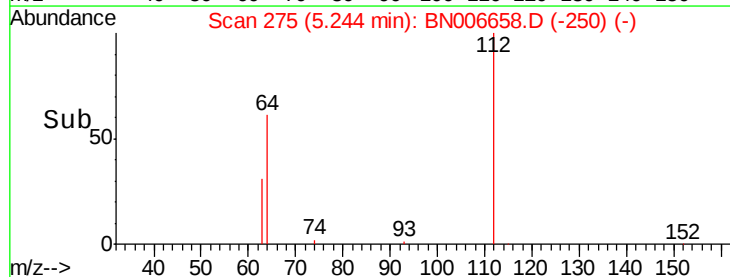
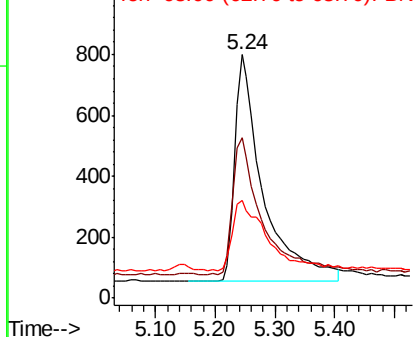
#4

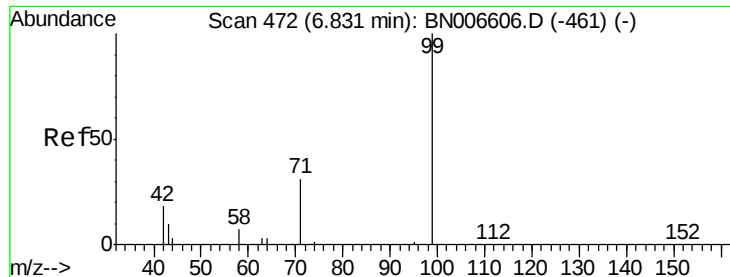
2-Fluorophenol
Concen: 0.236 ng
RT: 5.24 min Scan# 275
Delta R.T. 0.00 min
Lab File: BN006658.D
Acq: 01 Jul 2019 13:36

Tgt Ion:112 Resp: 2475
Ion Ratio Lower Upper
112 100
64 62.3 48.9 73.3
63 37.3 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: 0.241 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

Instrument :

BNA_N

ClientSampleId :

PST-001-B200-062019

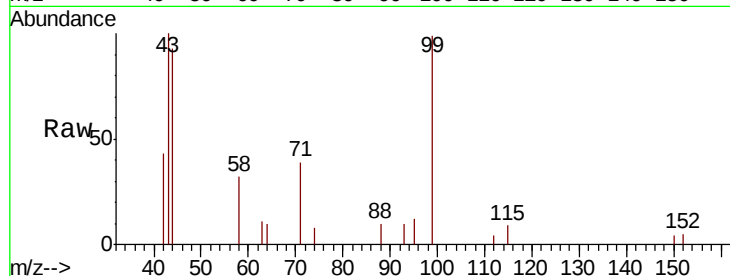
Tgt Ion: 99 Resp: 3345

Ion Ratio Lower Upper

99 100

42 22.3 16.4 24.6

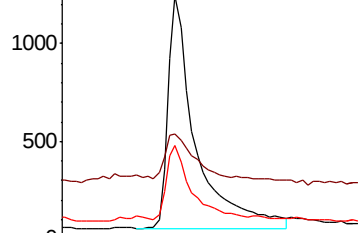
71 28.8 26.6 40.0



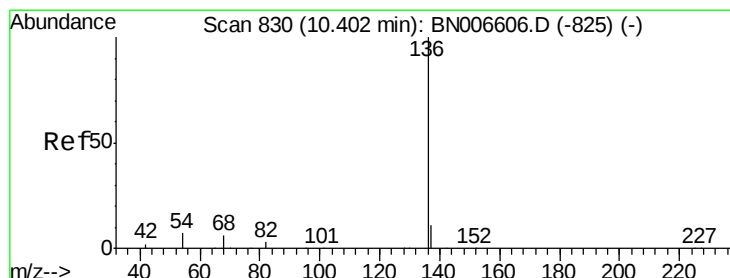
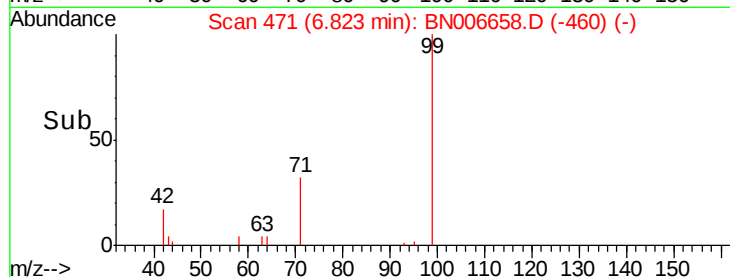
Abundance Ion 99.00 (98.70 to 99.70): BN006606.D (-461) (-)

Ion 42.00 (41.70 to 42.70): BN006606.D (-461) (-)

Ion 71.00 (70.70 to 71.70): BN006606.D (-461) (-)



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.40 min Scan# 830

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

Tgt Ion: 136 Resp: 17033

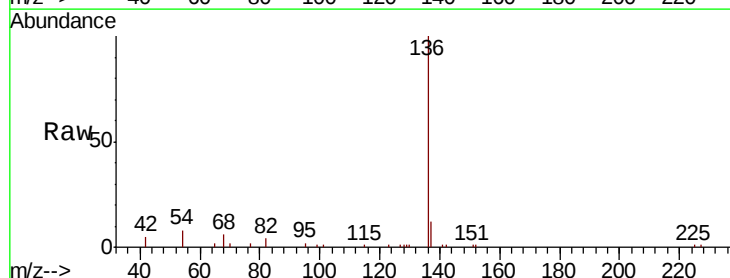
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 8.2 6.7 10.1

68 6.5 5.3 7.9

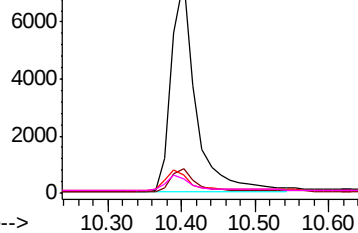


Abundance Ion 136.00 (135.70 to 136.70): BN006606.D (-825) (-)

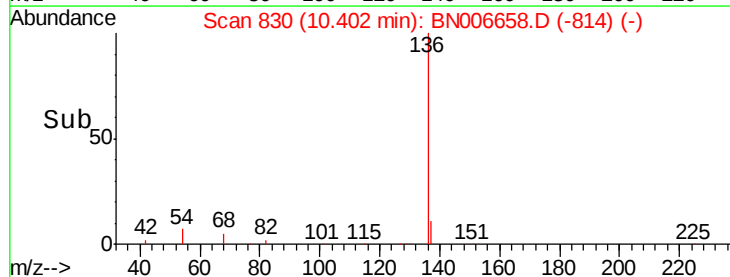
Ion 137.00 (136.70 to 137.70): BN006606.D (-825) (-)

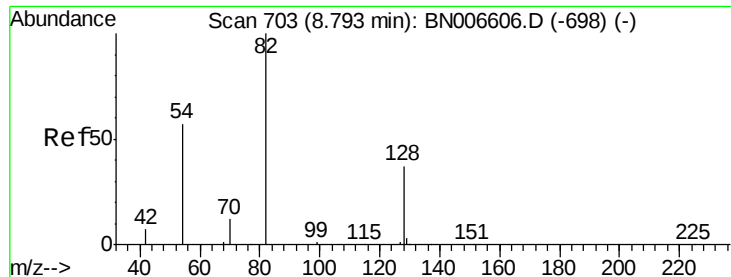
Ion 54.00 (53.70 to 54.70): BN006606.D (-825) (-)

Ion 68.00 (67.70 to 68.70): BN006606.D (-825) (-)



Time-->





#8

Nitrobenzene-d5

Concen: 0.176 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

Instrument :

BNA_N

ClientSampleId :

PST-001-B200-062019

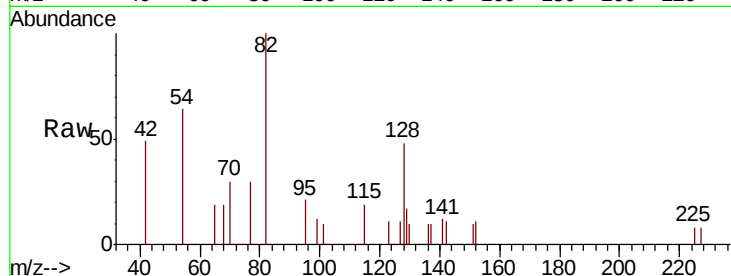
Tgt Ion: 82 Resp: 2016

Ion Ratio Lower Upper

82 100

128 48.4 32.6 49.0

54 64.2 48.2 72.4

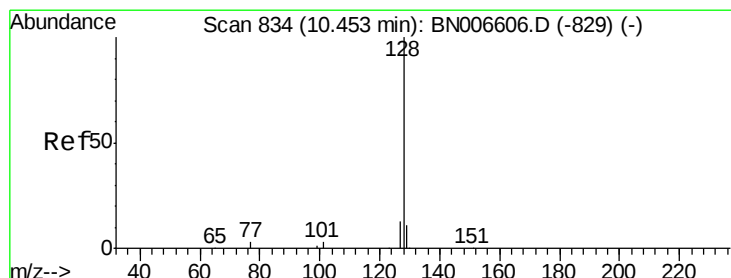
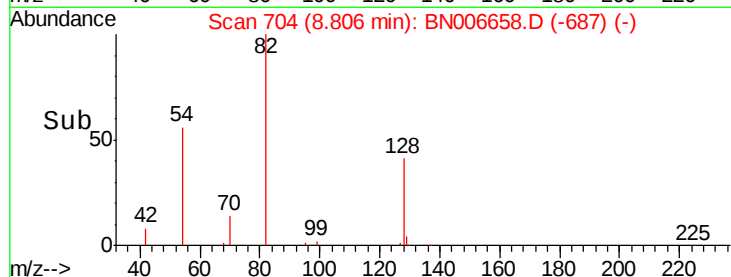
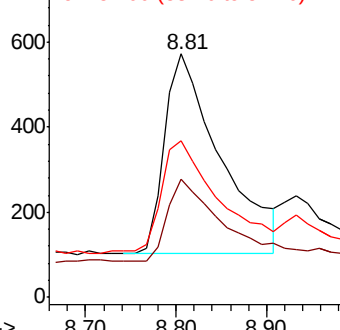


Abundance

Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#9

Naphthalene

Concen: 0.126 ng

RT: 10.45 min Scan# 834

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

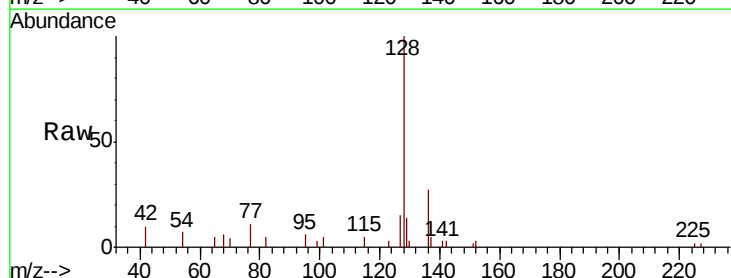
Tgt Ion: 128 Resp: 5646

Ion Ratio Lower Upper

128 100

129 13.7 9.3 13.9

127 15.3 10.8 16.2

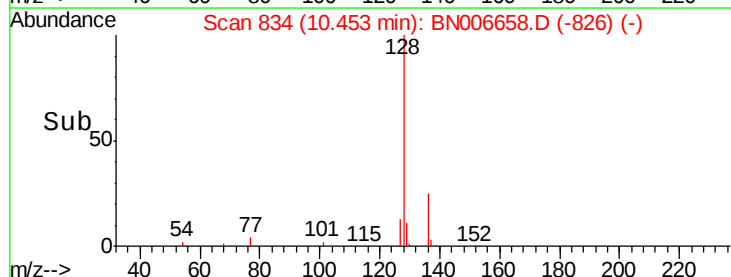
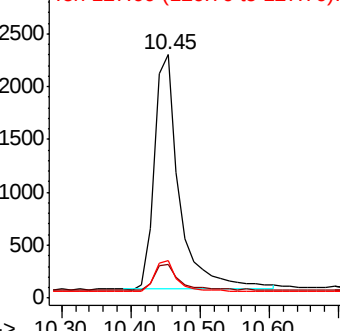


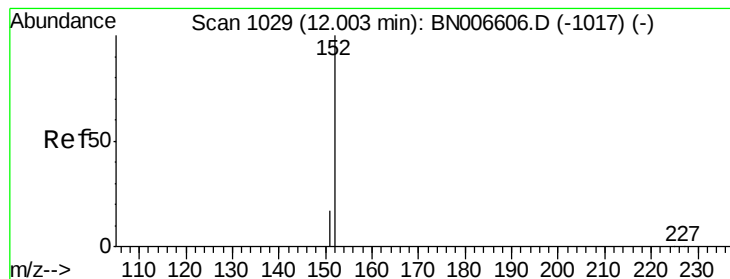
Abundance

Ion 128.00 (127.70 to 128.70): BNC

Ion 129.00 (128.70 to 129.70): BNC

Ion 127.00 (126.70 to 127.70): BNC

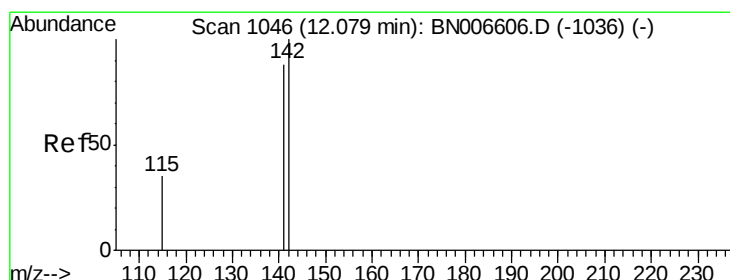
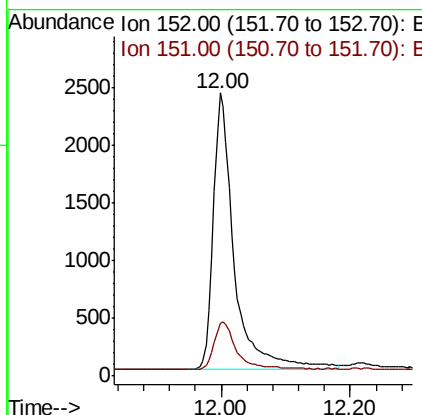
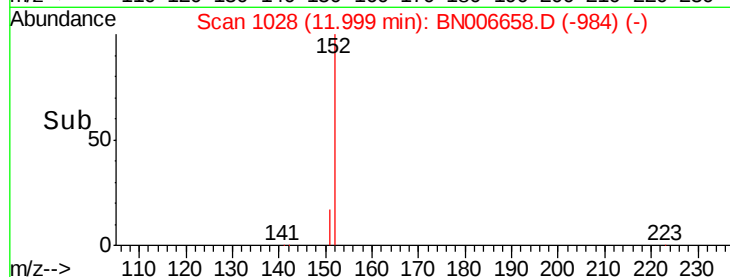
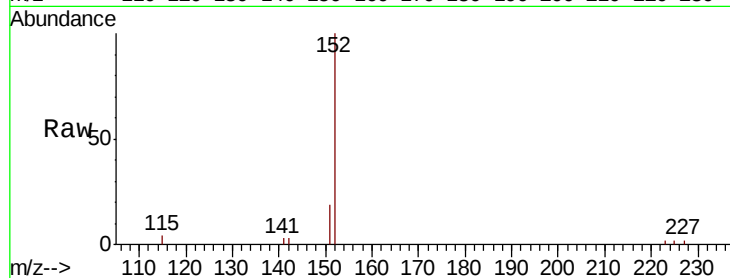




#11
 2-Methylnaphthalene-d10
 Concen: 0.200 ng
 RT: 12.00 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BN006658.D
 Acq: 01 Jul 2019 13:36

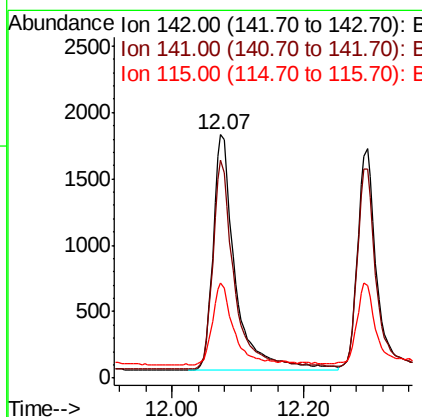
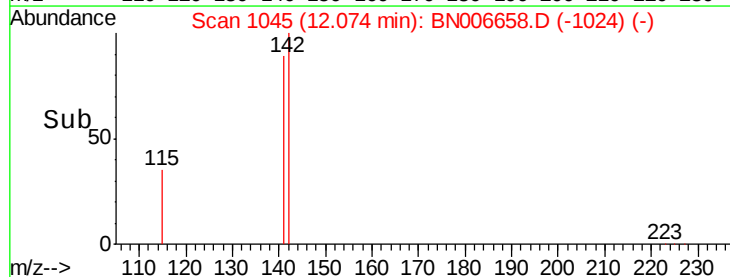
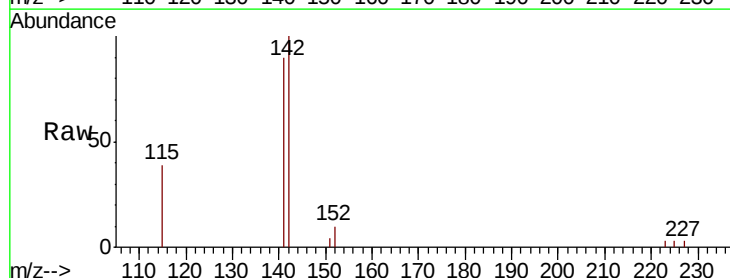
Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B200-062019

Tgt Ion:152 Resp: 5353
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.134 ng
 RT: 12.07 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BN006658.D
 Acq: 01 Jul 2019 13:36

Tgt Ion:142 Resp: 4151
 Ion Ratio Lower Upper
 142 100
 141 89.5 70.2 105.4
 115 39.1 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: BN006658.D

Acq: 01 Jul 2019 13:36

Instrument :

BNA_N

ClientSampleId :

PST-001-B200-062019

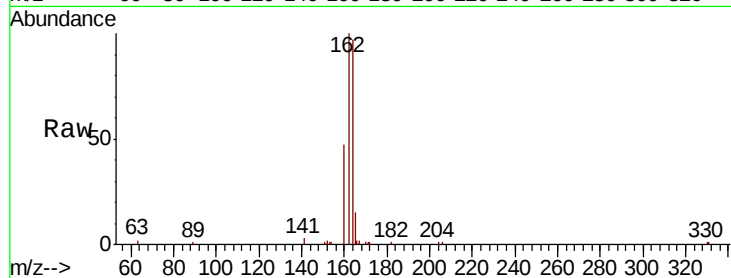
Tgt Ion:164 Resp: 9418

Ion Ratio Lower Upper

164 100

162 102.8 80.0 120.0

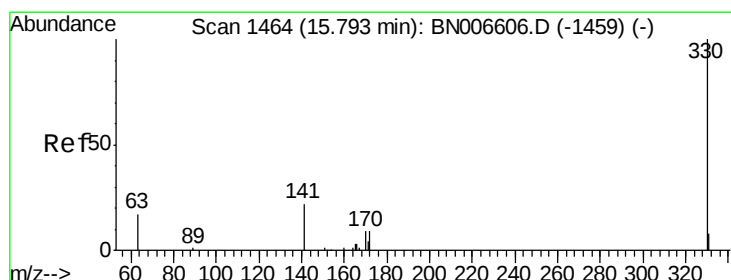
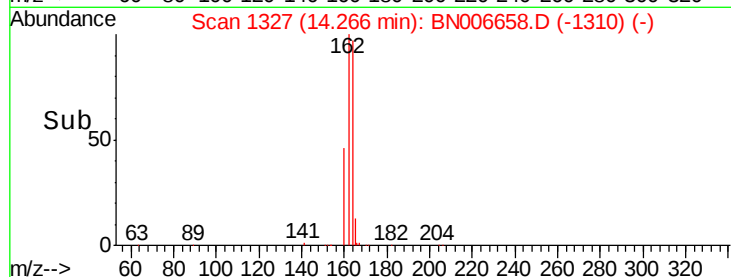
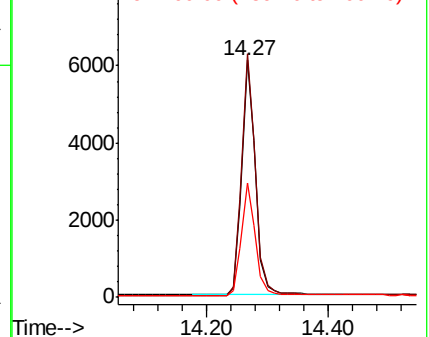
160 48.2 37.0 55.4



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: 0.200 ng

RT: 15.79 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

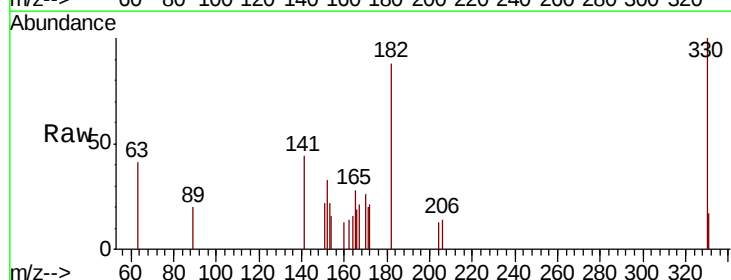
Tgt Ion:330 Resp: 885

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

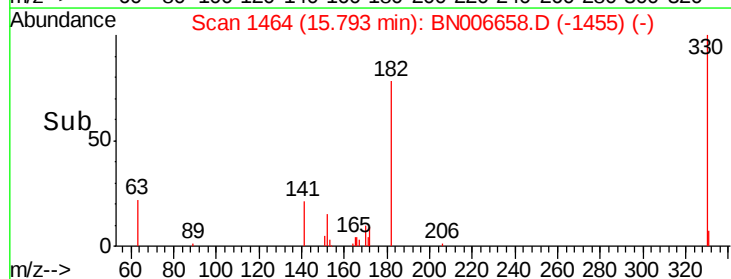
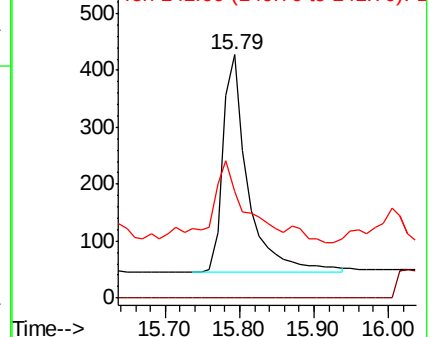
141 57.4 26.5 39.7#



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

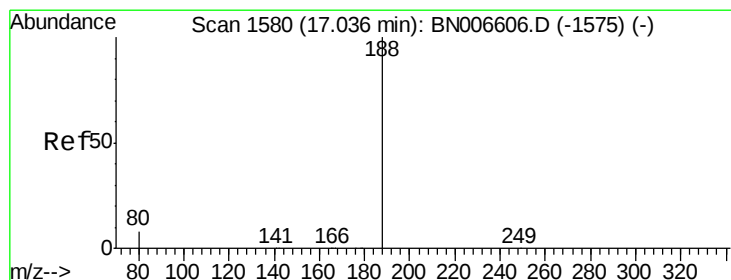
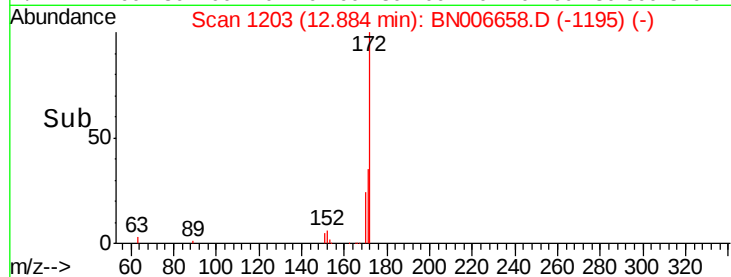
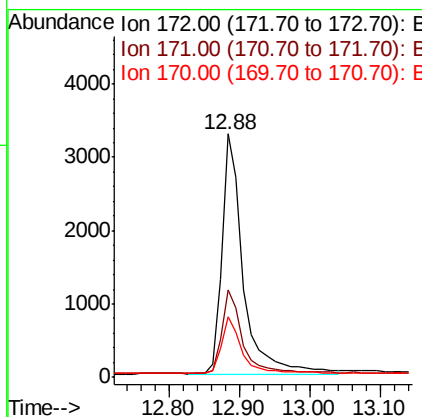
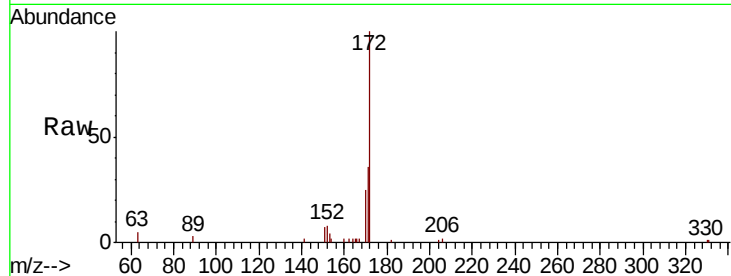




#15
2-Fluorobiphenyl
Concen: 0.200 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006658.D
Acq: 01 Jul 2019 13:36

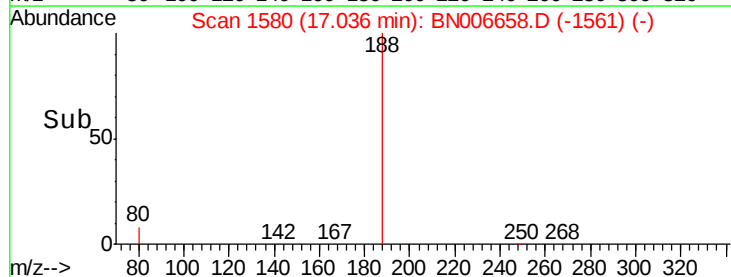
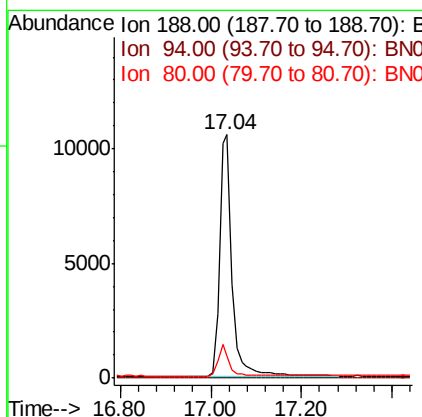
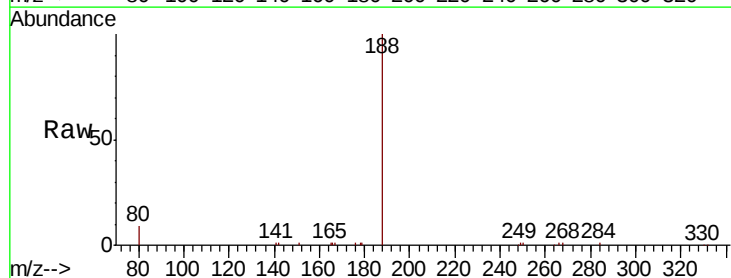
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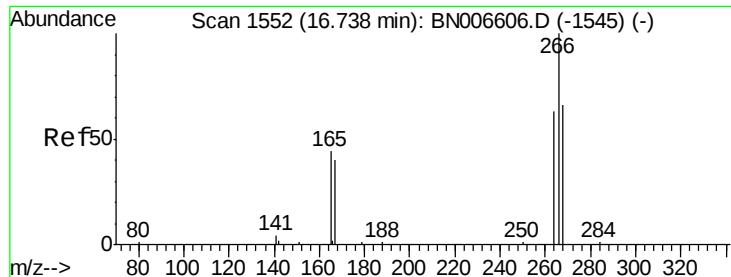
Tgt Ion:172 Resp: 6970
Ion Ratio Lower Upper
172 100
171 36.0 27.0 40.4
170 24.9 17.7 26.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BN006658.D
Acq: 01 Jul 2019 13:36

Tgt Ion:188 Resp: 20556
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.3 7.1 10.7

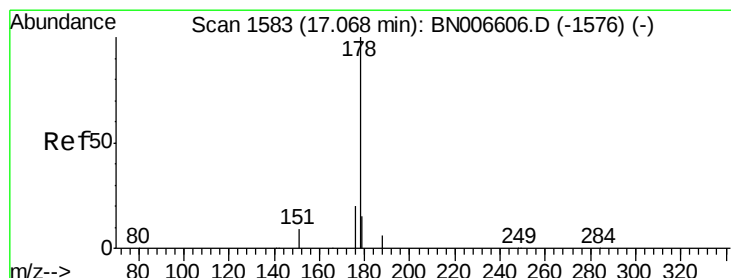
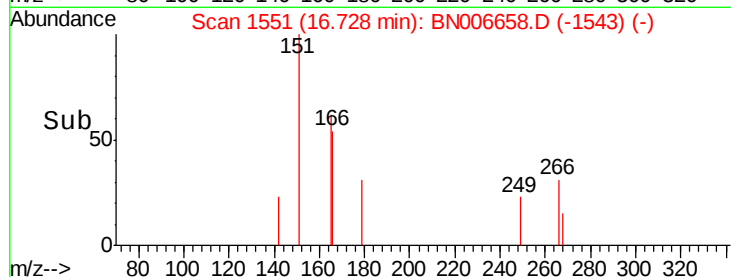
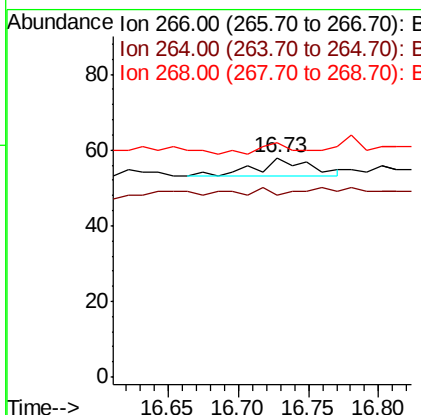
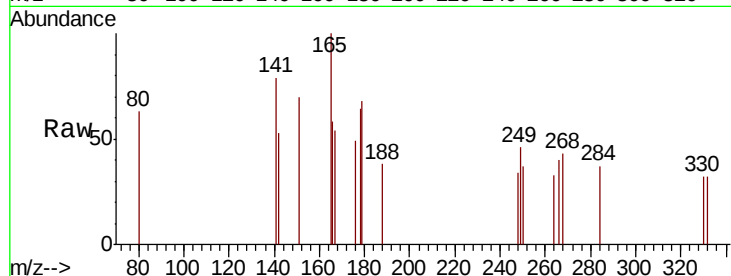




#22
 Pentachlorophenol
 Concen: 0.196 ng
 RT: 16.73 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BN006658.D
 Acq: 01 Jul 2019 13:36

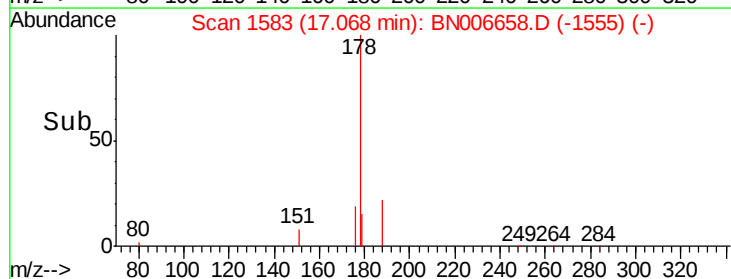
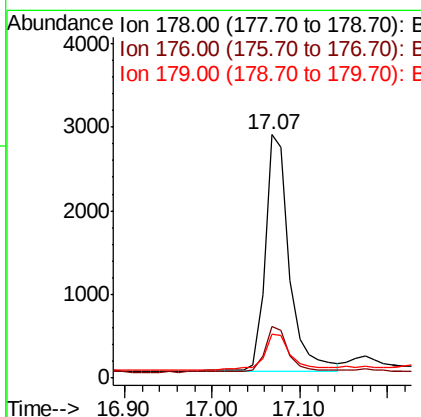
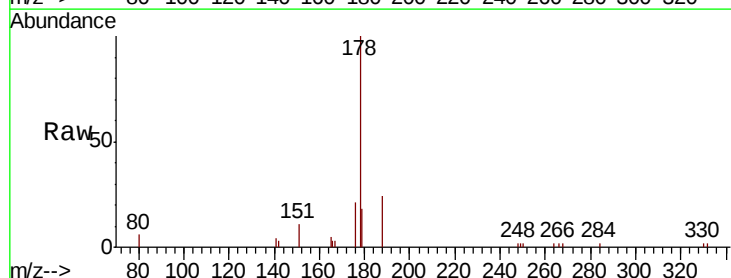
Instrument :
 BNA_N
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 PST-001-B200-062019

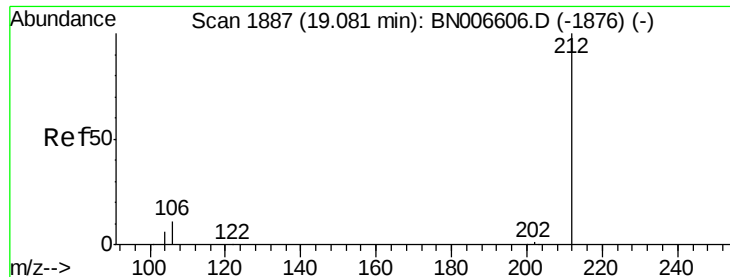
Tgt Ion: 266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 264 82.8 56.2 84.4
 268 106.9 63.0 94.4#



#23
 Phenanthrene
 Concen: 0.093 ng
 RT: 17.07 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BN006658.D
 Acq: 01 Jul 2019 13:36

Tgt Ion: 178 Resp: 5420
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 17.0 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.180 ng

RT: 19.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

Instrument :

BNA_N

ClientSampleId :

PST-001-B200-062019

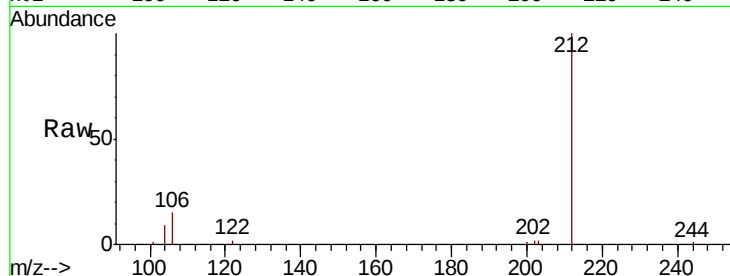
Tgt Ion:212 Resp: 10838

Ion Ratio Lower Upper

212 100

106 14.5 10.6 15.8

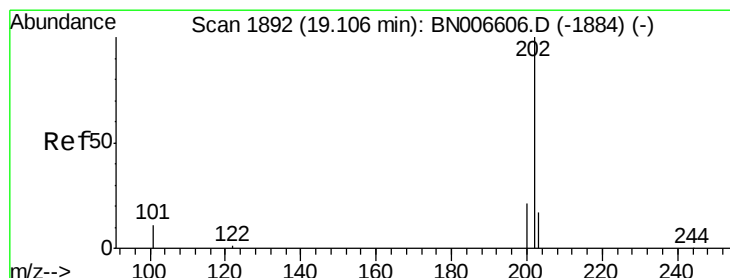
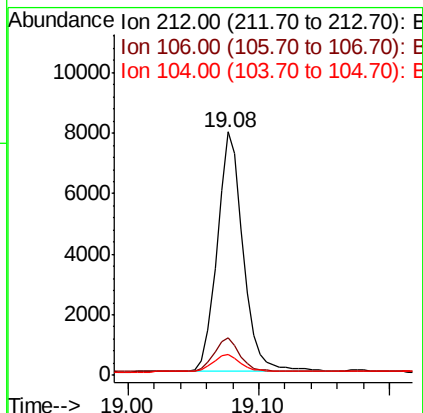
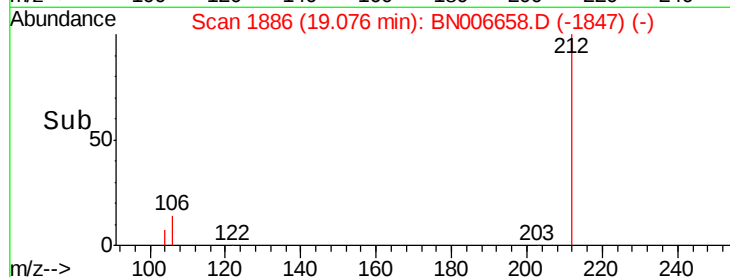
104 8.3 5.8 8.6



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



#26

Fluoranthene

Concen: 0.102 ng

RT: 19.11 min Scan# 1893

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

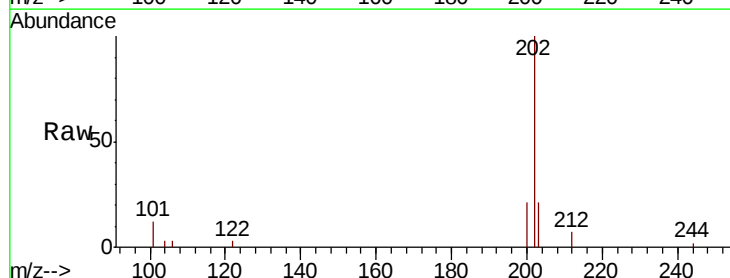
Tgt Ion:202 Resp: 7215

Ion Ratio Lower Upper

202 100

101 12.9 8.9 13.3

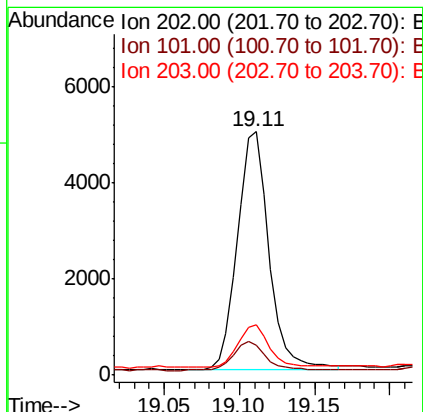
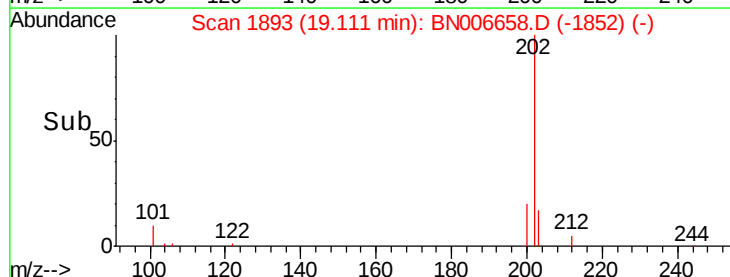
203 17.8 13.6 20.4

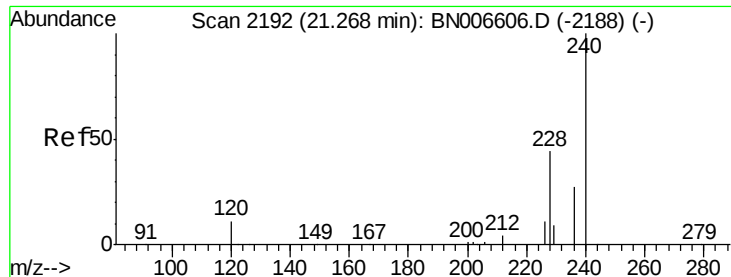


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

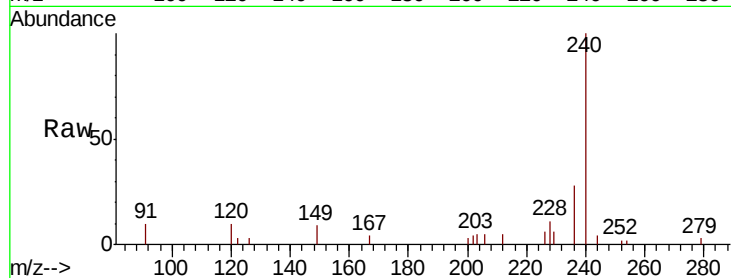




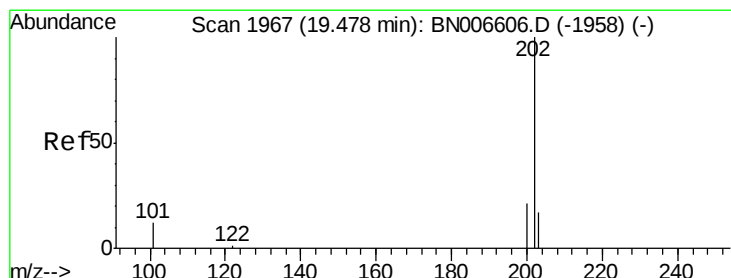
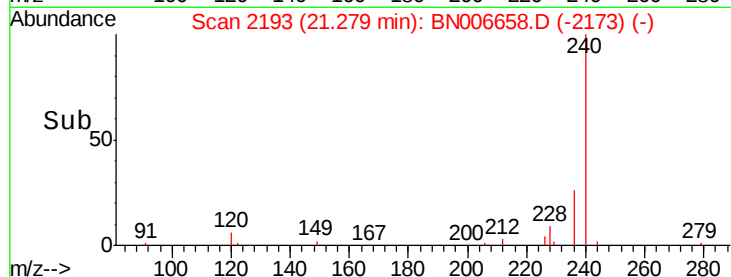
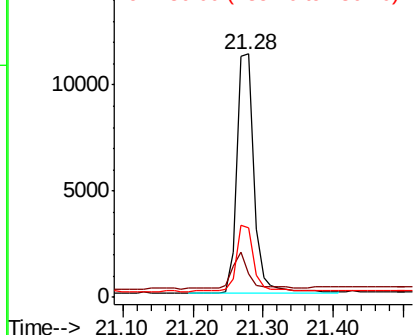
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. 0.01 min
 Lab File: BN006658.D
 Acq: 01 Jul 2019 13:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B200-062019

Tgt Ion: 240 Resp: 19072
 Ion Ratio Lower Upper
 240 100
 120 9.8 9.9 14.9#
 236 28.4 22.2 33.4

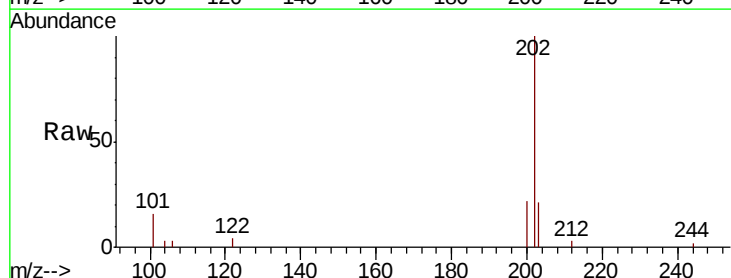


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

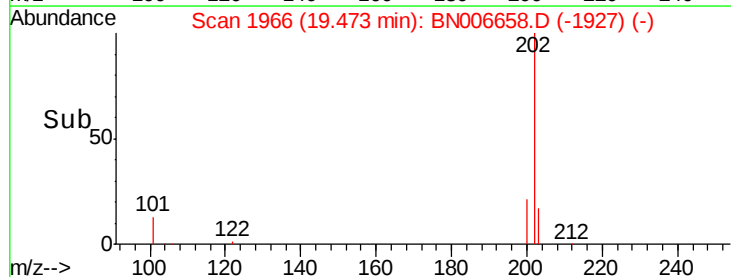
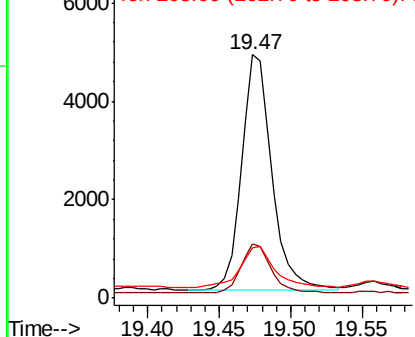


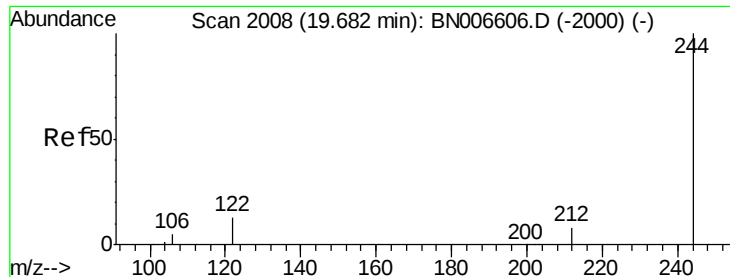
#28
 Pyrene
 Concen: 0.107 ng
 RT: 19.47 min Scan# 1966
 Delta R.T. -0.00 min
 Lab File: BN006658.D
 Acq: 01 Jul 2019 13:36

Tgt Ion: 202 Resp: 7114
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.7 25.1
 203 20.2 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: 0.182 ng

RT: 19.68 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

Instrument :

BNA_N

ClientSampleId :

PST-001-B200-062019

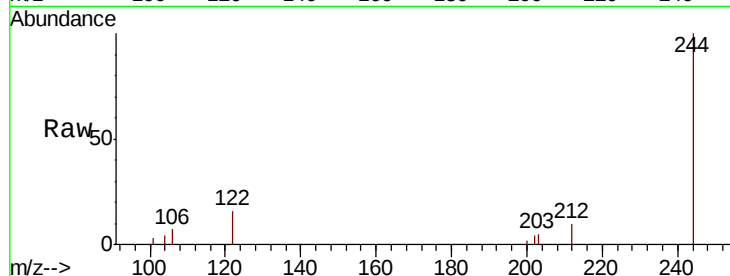
Tgt Ion:244 Resp: 7262

Ion Ratio Lower Upper

244 100

212 10.0 6.7 10.1

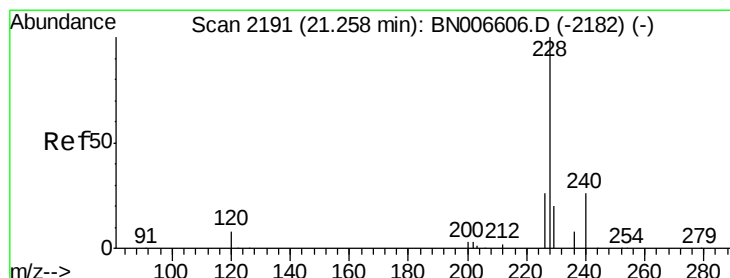
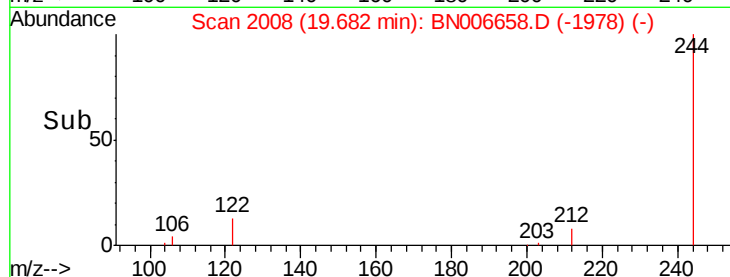
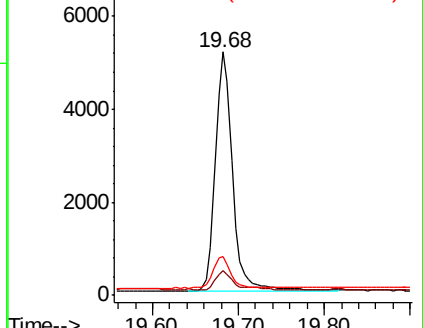
122 16.0 11.0 16.6



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: 0.045 ng

RT: 21.26 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

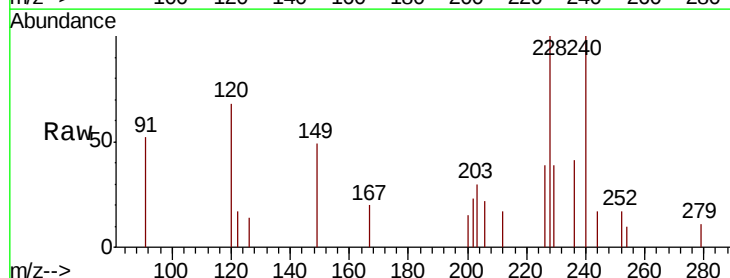
Tgt Ion:228 Resp: 2780

Ion Ratio Lower Upper

228 100

226 38.7 21.2 31.8#

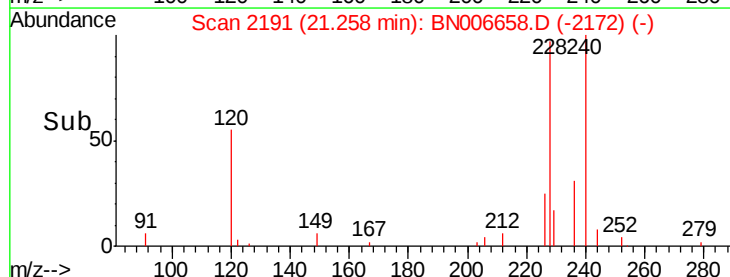
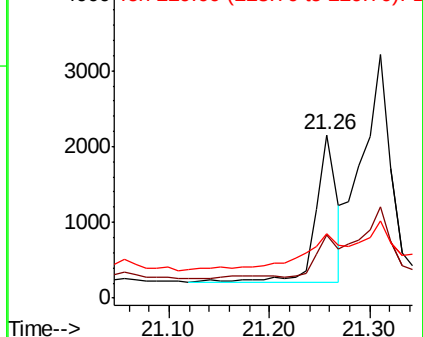
229 39.5 16.1 24.1#

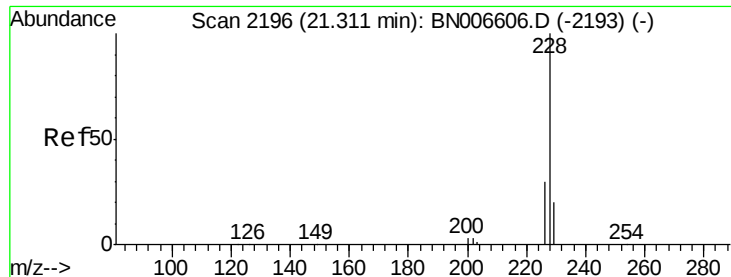


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.076 ng

RT: 21.31 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

Instrument :

BNA_N

ClientSampleId :

PST-001-B200-062019

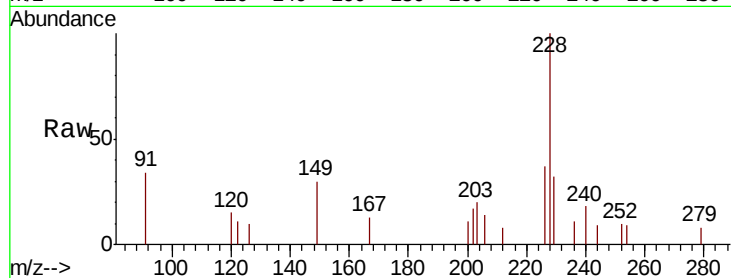
Tgt Ion:228 Resp: 5118

Ion Ratio Lower Upper

228 100

226 37.4 23.8 35.6#

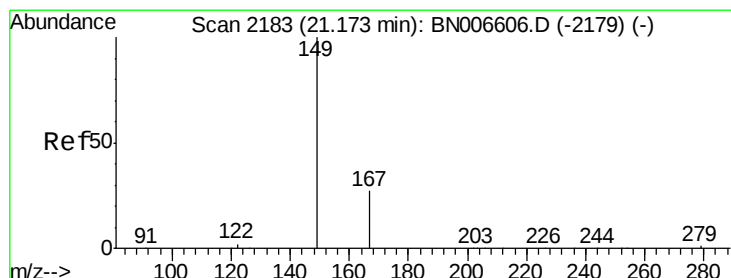
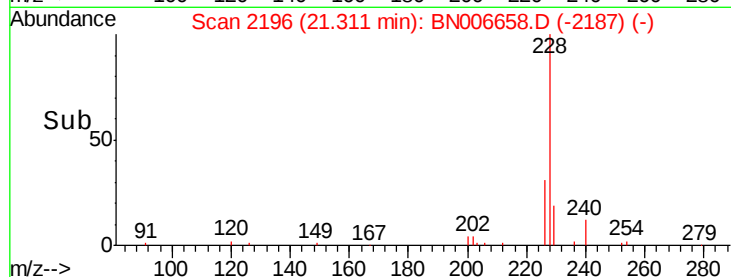
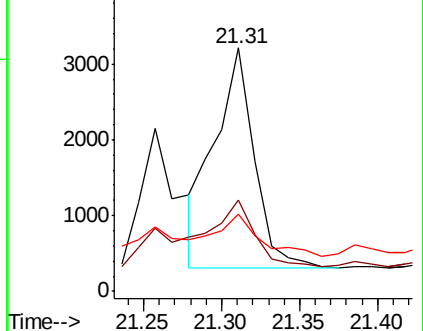
229 31.6 15.9 23.9#



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: 0.190 ng

RT: 21.17 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

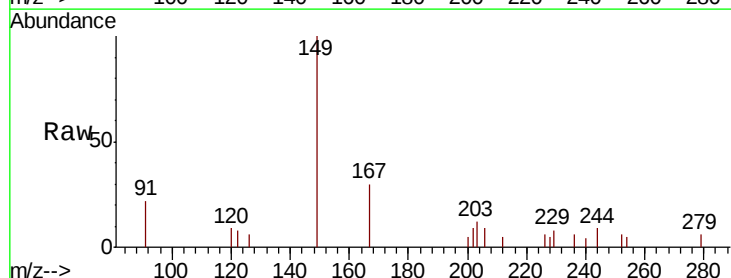
Tgt Ion:149 Resp: 5972

Ion Ratio Lower Upper

149 100

167 29.1 22.9 34.3

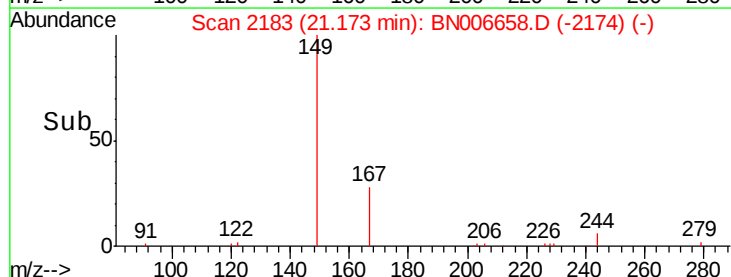
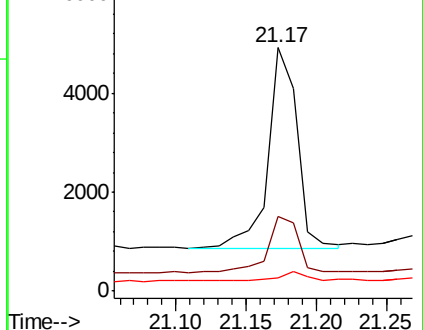
279 4.8 3.3 4.9

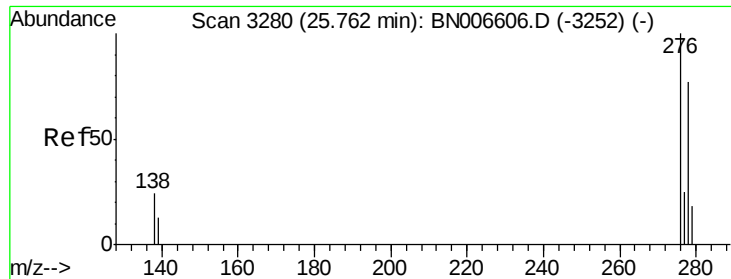


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.041 ng

RT: 25.77 min Scan# 3282

Delta R.T. 0.01 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

Instrument :

BNA_N

ClientSampleId :

PST-001-B200-062019

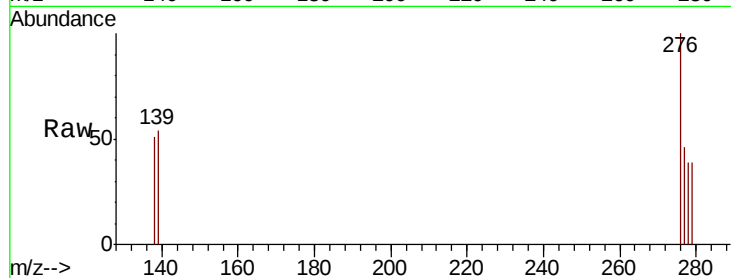
Tgt Ion: 276 Resp: 2772

Ion Ratio Lower Upper

276 100

138 23.6 19.3 28.9

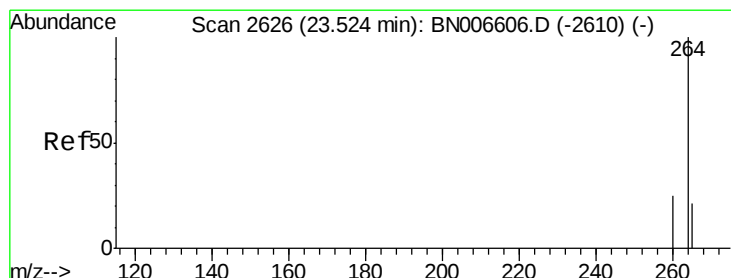
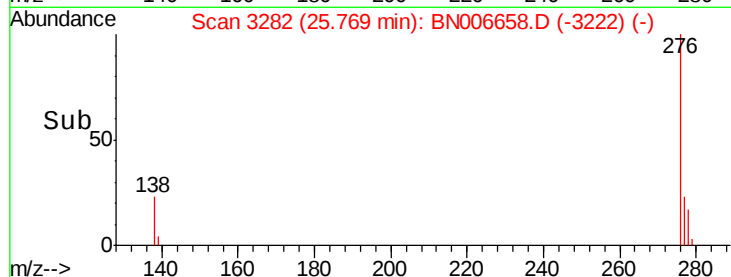
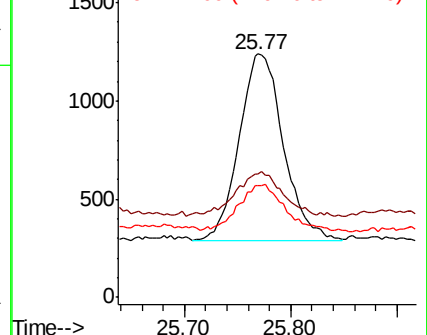
277 24.8 19.9 29.9



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# 2627

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

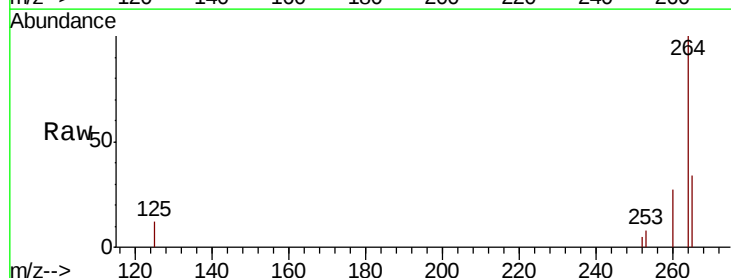
Tgt Ion: 264 Resp: 21253

Ion Ratio Lower Upper

264 100

260 27.0 20.2 30.2

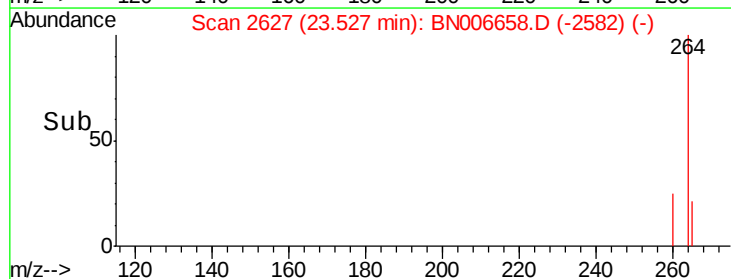
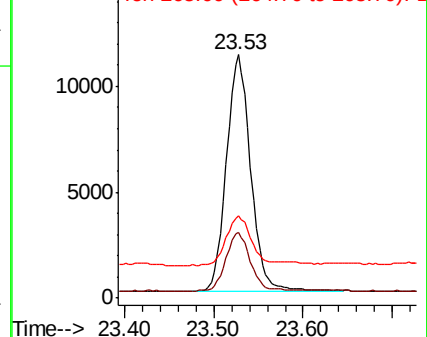
265 33.9 23.3 34.9

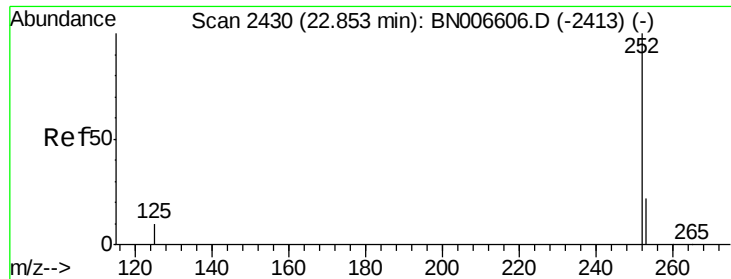


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

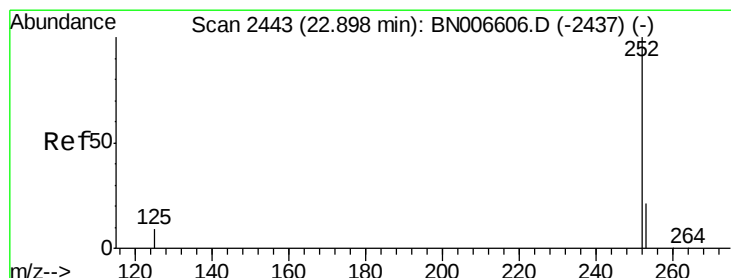
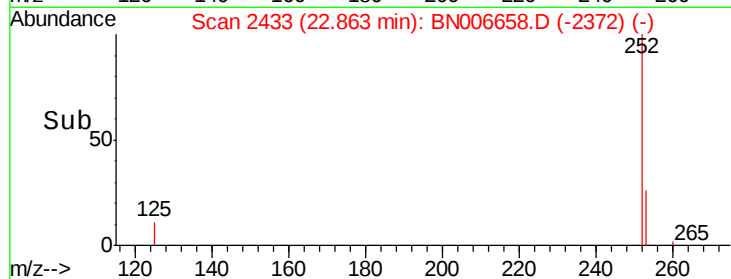
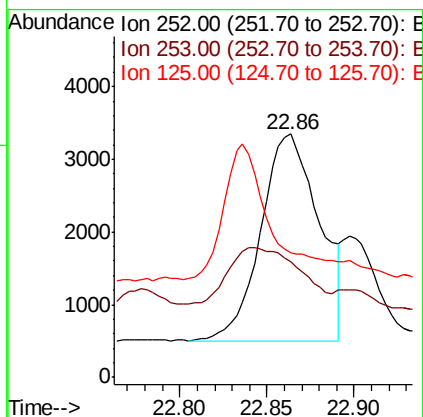
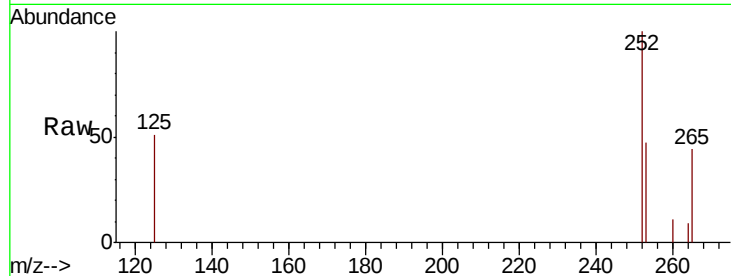




#35
Benzo(b)fluoranthene
Concen: 0.092 ng
RT: 22.86 min Scan# 2433
Delta R.T. 0.01 min
Lab File: BN006658.D
Acq: 01 Jul 2019 13:36

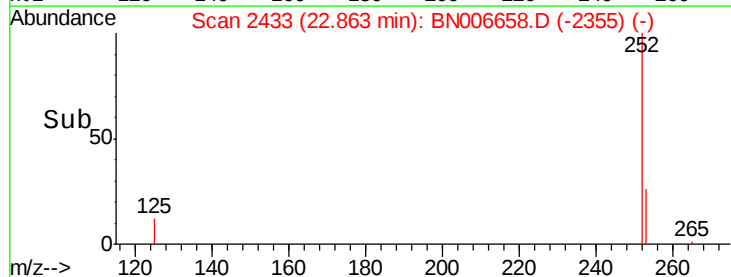
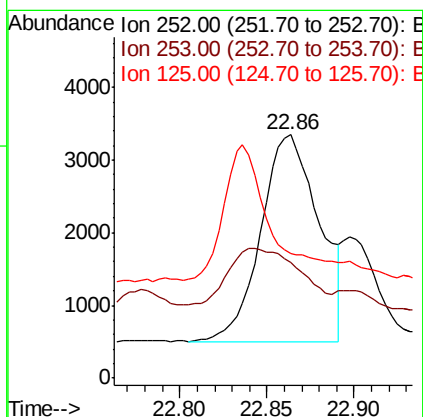
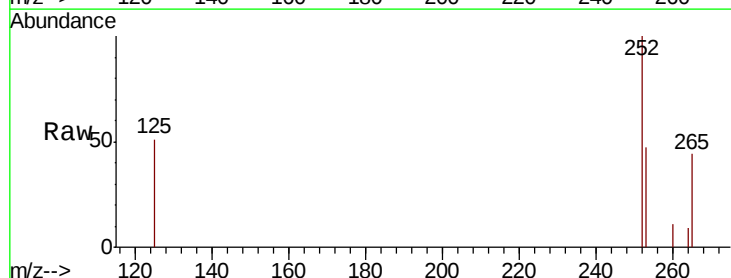
Instrument :
BNA_N
ClientSampleId :
PST-001-B200-062019

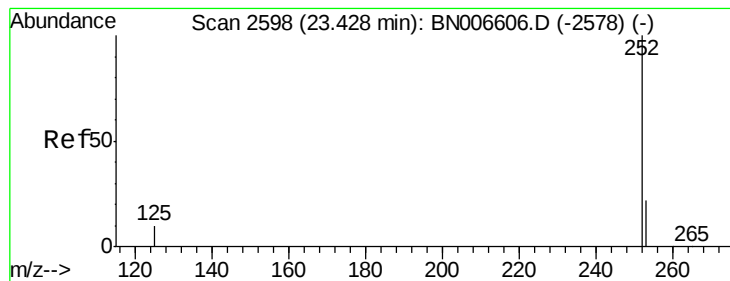
Tgt Ion: 252 Resp: 6624
Ion Ratio Lower Upper
252 100
253 47.4 18.4 27.6#
125 51.0 8.7 13.1#



#36
Benzo(k)fluoranthene
Concen: 0.086 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.03 min
Lab File: BN006658.D
Acq: 01 Jul 2019 13:36

Tgt Ion: 252 Resp: 6624
Ion Ratio Lower Upper
252 100
253 47.4 18.3 27.5#
125 51.0 8.4 12.6#





#37

Benzo(a)pyrene

Concen: 0.053 ng

RT: 23.43 min Scan# 2599

Delta R.T. 0.00 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

Instrument :

BNA_N

ClientSampleId :

PST-001-B200-062019

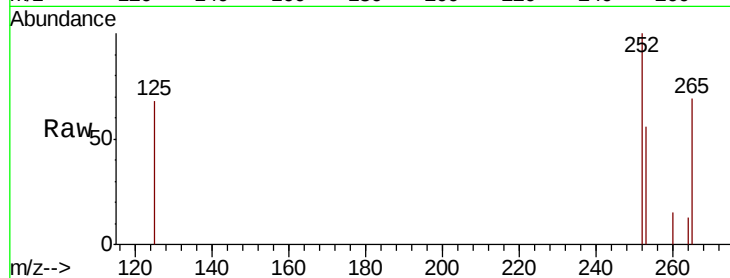
Tgt Ion: 252 Resp: 3595

Ion Ratio Lower Upper

252 100

253 56.5 18.8 28.2#

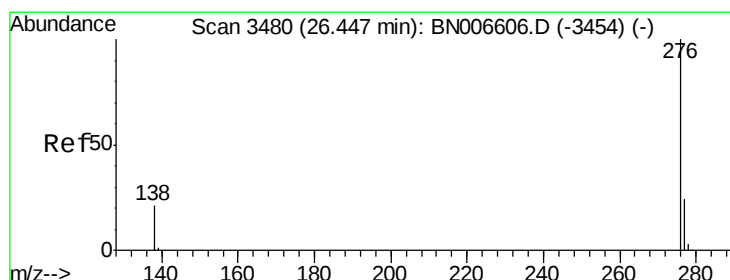
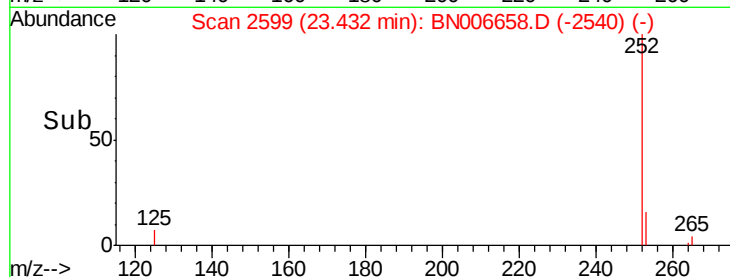
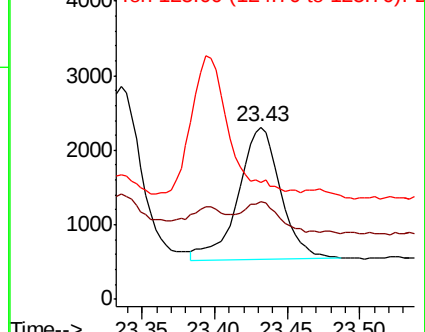
125 67.8 9.4 14.2#



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



#39

Benzo(g,h,i)perylene

Concen: 0.060 ng

RT: 26.46 min Scan# 3484

Delta R.T. 0.01 min

Lab File: BN006658.D

Acq: 01 Jul 2019 13:36

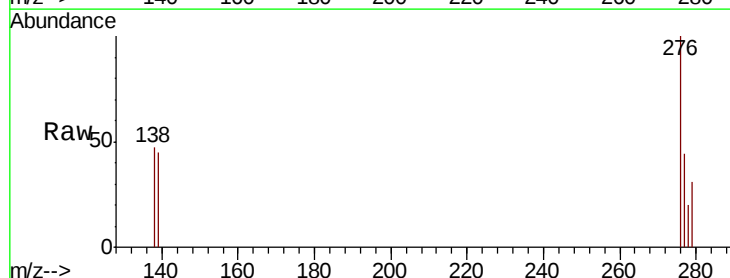
Tgt Ion: 276 Resp: 3510

Ion Ratio Lower Upper

276 100

277 43.6 19.6 29.4#

138 47.4 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

