

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006656.D
 Acq On : 01 Jul 2019 12:27
 Operator : HP/JU
 Sample : K3504-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-SW099-062019

Quant Time: Jul 02 05:19:35 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	7.63	152	4412	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	17163	0.40	ng	0.00
13) Acenaphthene-d10	14.28	164	9530	0.40	ng	0.00
19) Phenanthrene-d10	17.04	188	20634	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19239	0.40	ng	0.02
34) Perylene-d12	23.56	264	21609	0.40	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	2237	0.21	ng	0.00
5) Phenol-d6	6.83	99	3067	0.21	ng	0.00
8) Nitrobenzene-d5	8.81	82	1925	0.17	ng	0.01
11) 2-Methylnaphthalene-d10	12.00	152	5223	0.19	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	794	0.18	ng	0.00
15) 2-Fluorobiphenyl	12.89	172	7148	0.20	ng	0.00
25) Fluoranthene-d10	19.09	212	11745	0.19	ng	0.00
29) Terphenyl-d14	19.69	244	8374	0.21	ng	0.00

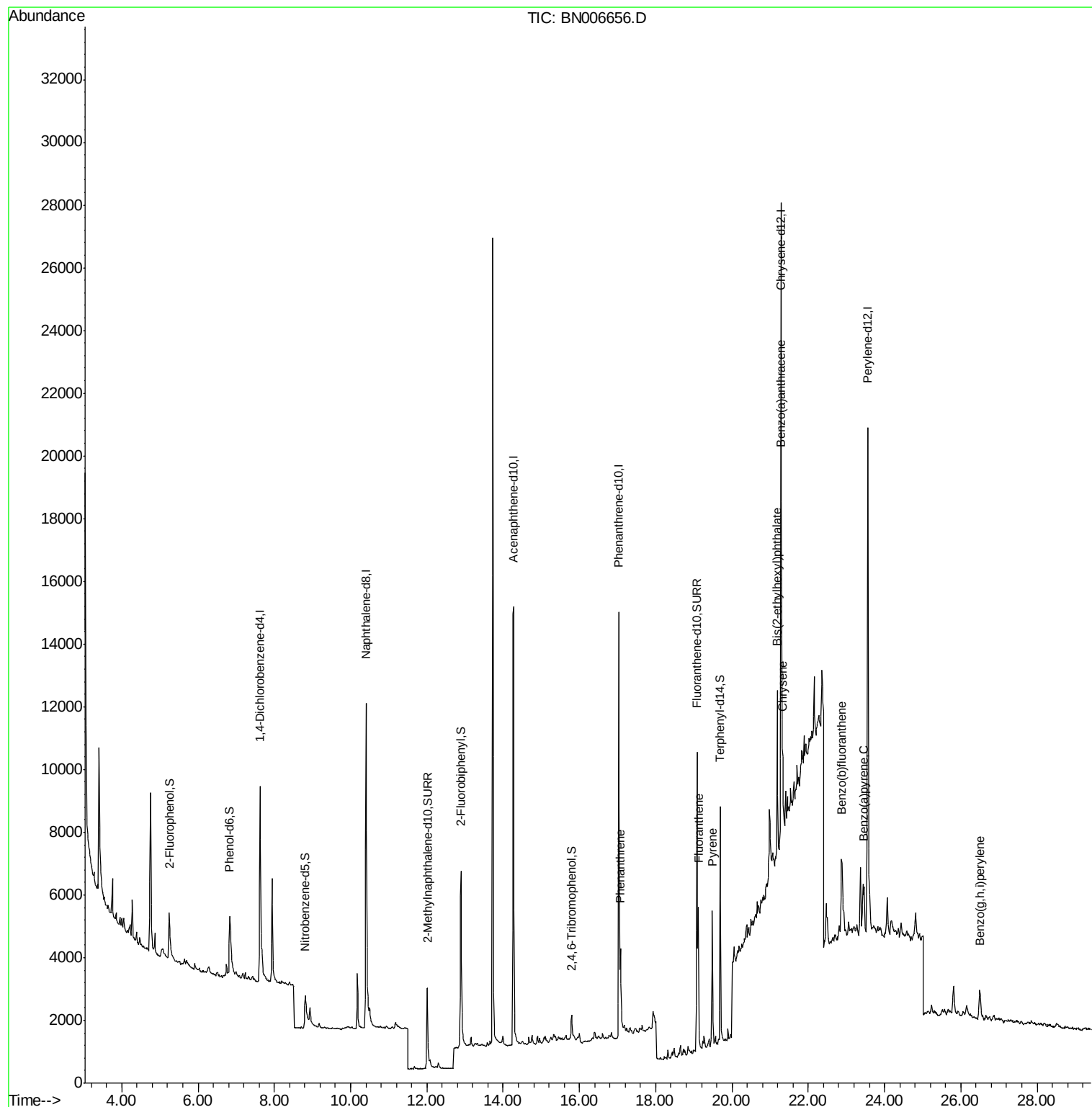
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.08	178	2692	0.046	ng	97
26) Fluoranthene	19.12	202	4112	0.058	ng	# 97
28) Pyrene	19.48	202	4268	0.063	ng	# 94
30) Benzo(a)anthracene	21.28	228	1961	0.031	ng	# 48
31) Chrysene	21.33	228	3234	0.048	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.19	149	4856	0.153	ng	# 99
35) Benzo(b)fluoranthene	22.89	252	3393	0.046	ng	# 1
37) Benzo(a)pyrene	23.47	252	2165	0.032	ng	# 1
39) Benzo(g,h,i)perylene	26.50	276	1964	0.033	ng	# 37

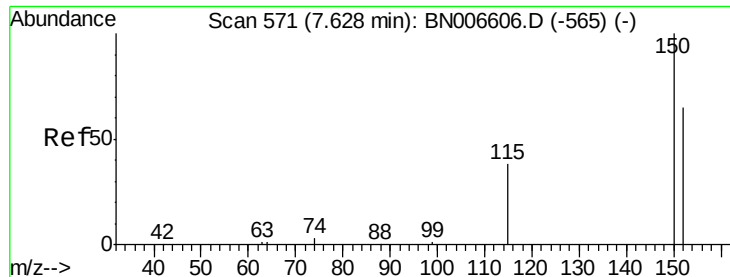
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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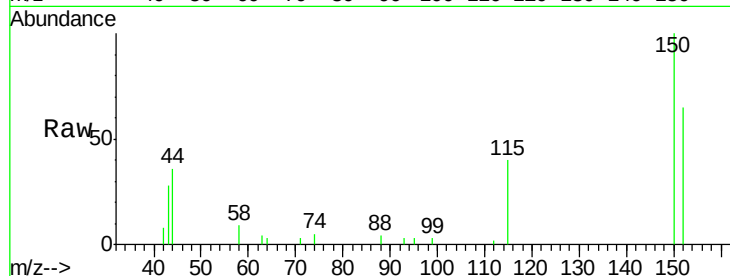


#1

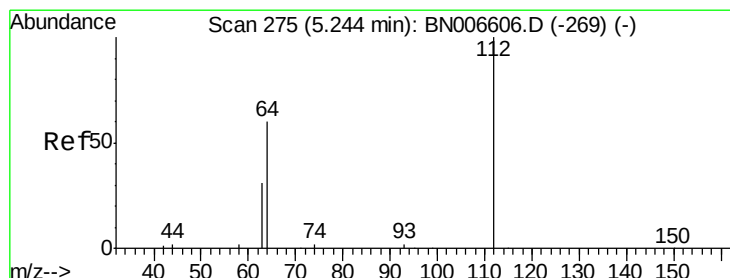
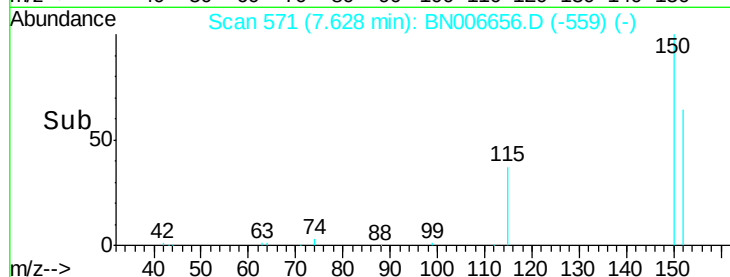
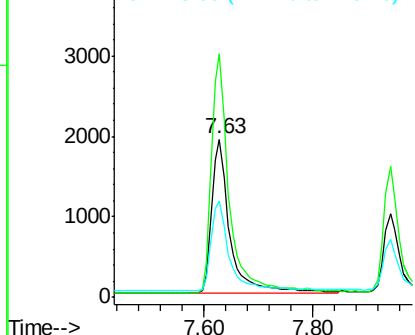
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 571
Delta R.T. -0.00 min
Lab File: BN006656.D
Acq: 01 Jul 2019 12:27

Instrument :
BNA_N
ClientSampleId :
PST-001-SW099-062019

Tot Ion:152 Resp: 4412
Ion Ratio Lower Upper
152 100
150 154.1 122.2 183.2
115 60.9 50.0 75.0



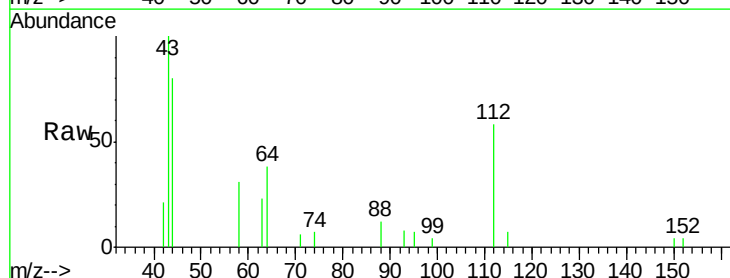
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



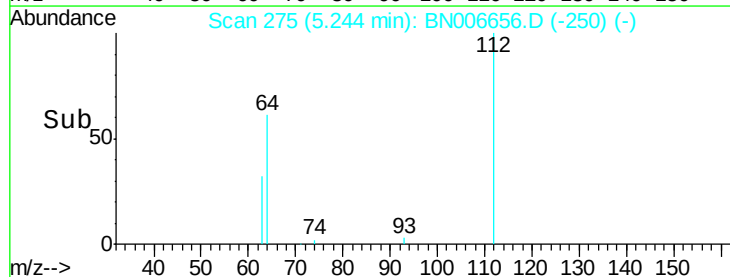
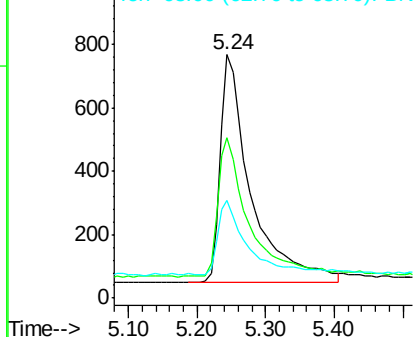
#4

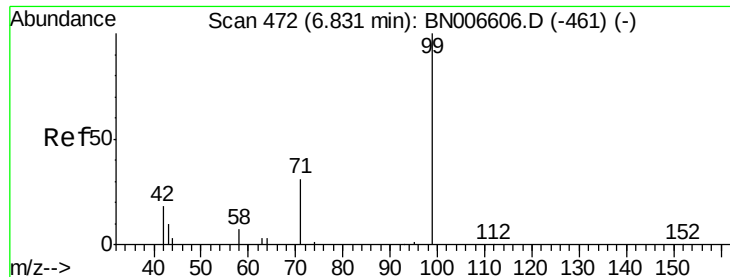
2-Fluorophenol
Concen: 0.207 ng
RT: 5.24 min Scan# 275
Delta R.T. -0.00 min
Lab File: BN006656.D
Acq: 01 Jul 2019 12:27

Tgt Ion:112 Resp: 2237
Ion Ratio Lower Upper
112 100
64 62.2 48.9 73.3
63 32.4 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: 0.214 ng

RT: 6.83 min Scan# 472

Delta R.T. -0.00 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

Instrument :

BNA_N

ClientSampleId :

PST-001-SW099-062019

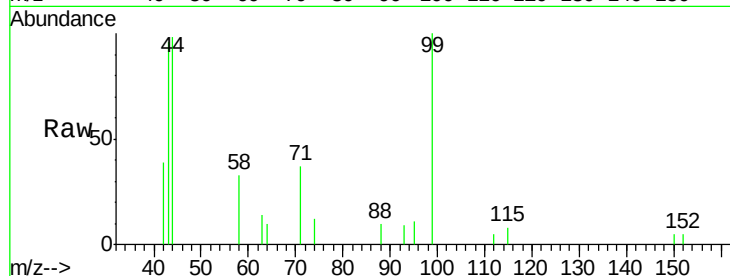
Tot Ion: 99 Resp: 3067

Ion Ratio Lower Upper

99 100

42 22.0 16.4 24.6

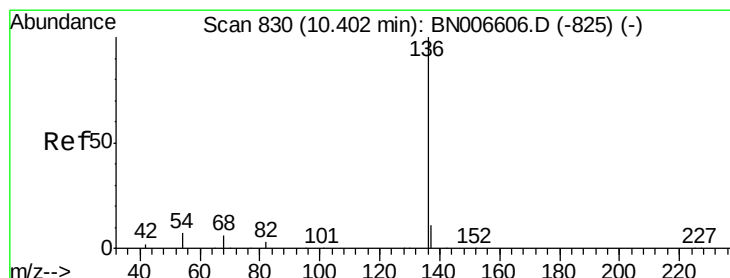
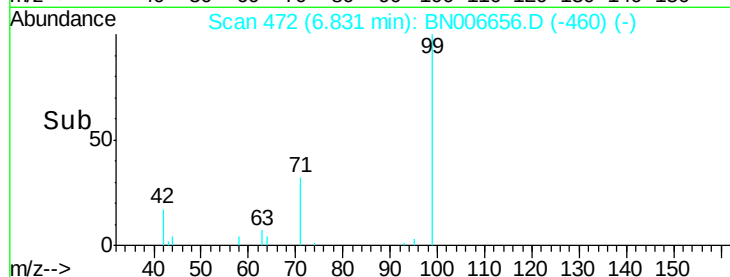
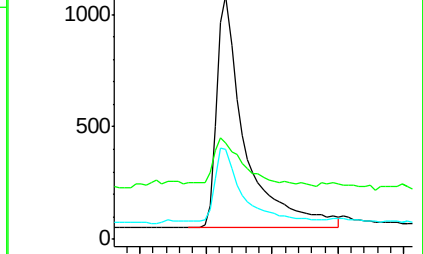
71 29.6 26.6 40.0



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) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.40 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

Tgt Ion: 136 Resp: 17163

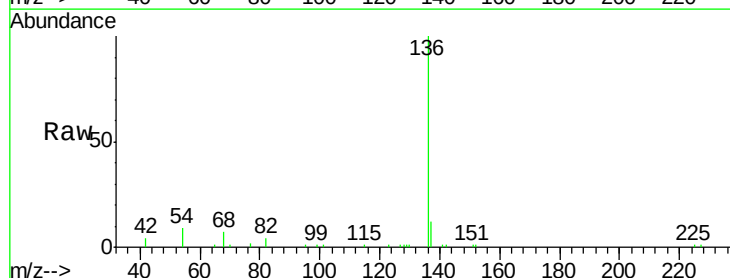
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 9.2 6.7 10.1

68 7.2 5.3 7.9

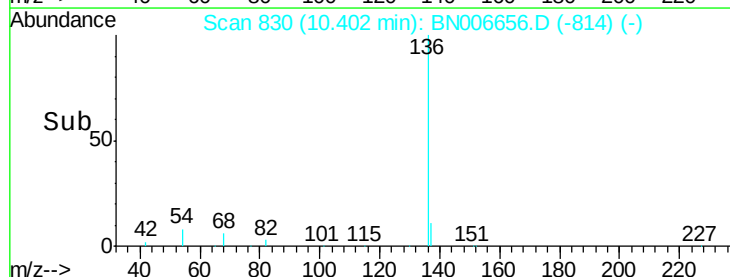
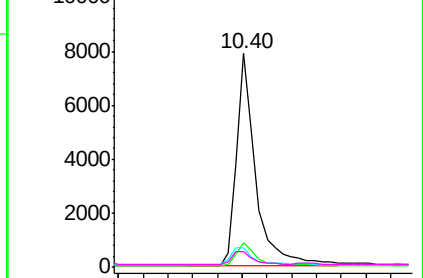


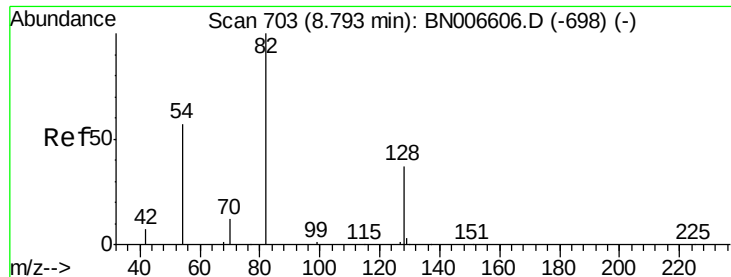
Abundance Ion 136.00 (135.70 to 136.70): BN006606.D (-825) (-)

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) (-)





#8

Nitrobenzene-d5

Concen: 0.167 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

Instrument :

BNA_N

ClientSampleId :

PST-001-SW099-062019

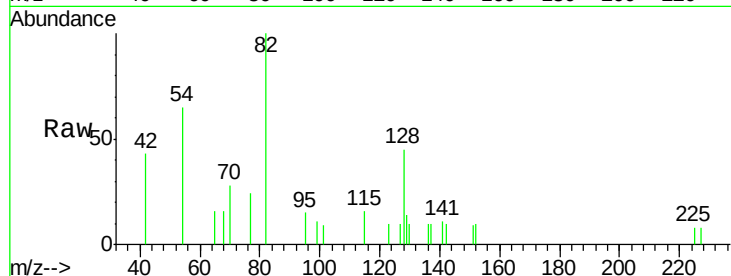
Tot Ion: 82 Resp: 1925

Ion Ratio Lower Upper

82 100

128 44.9 32.6 49.0

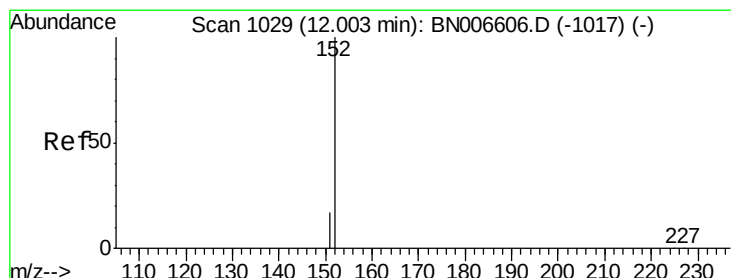
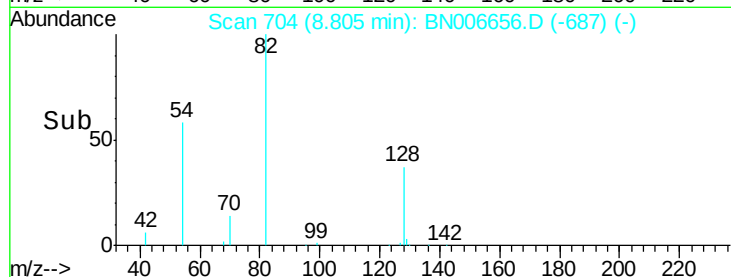
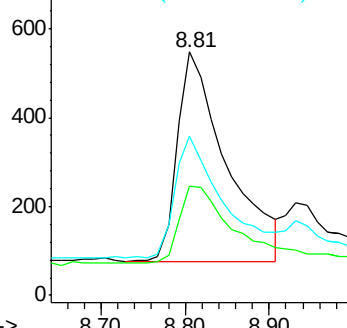
54 65.1 48.2 72.4



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



#11

2-Methylnaphthalene-d10

Concen: 0.193 ng

RT: 12.00 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BN006656.D

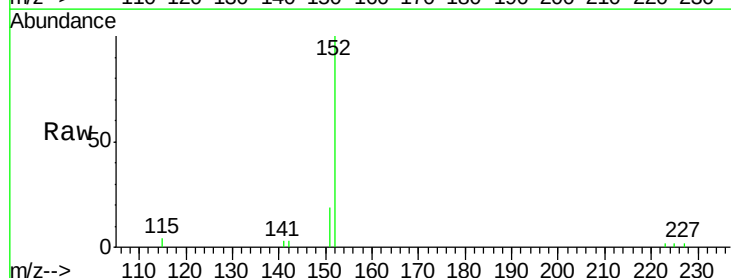
Acq: 01 Jul 2019 12:27

Tgt Ion: 152 Resp: 5223

Ion Ratio Lower Upper

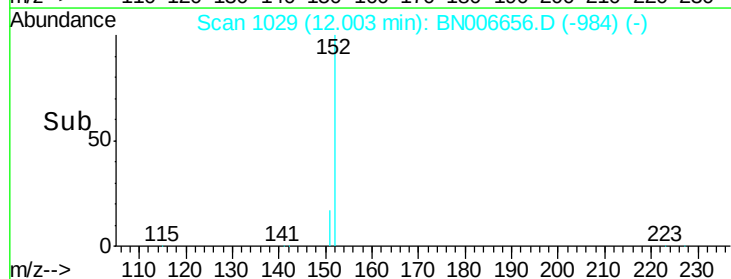
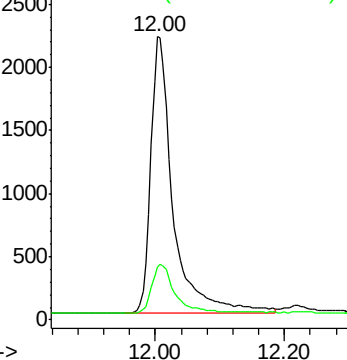
152 100

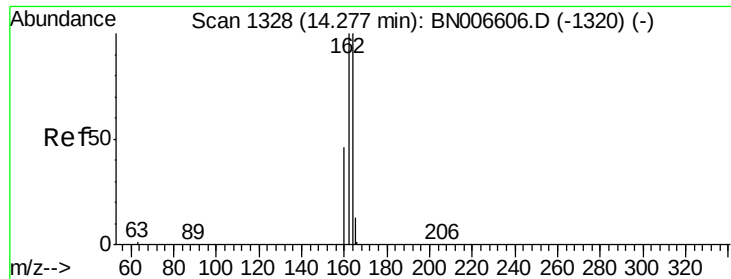
151 18.8 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): BNC

Ion 151.00 (150.70 to 151.70): BNC





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.28 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

Instrument :

BNA_N

ClientSampleId :

PST-001-SW099-062019

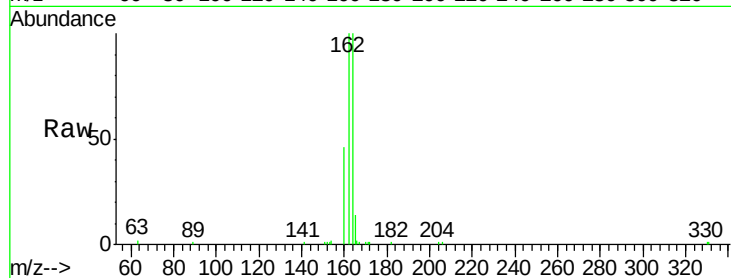
Tot Ion:164 Resp: 9530

Ion Ratio Lower Upper

164 100

162 99.8 80.0 120.0

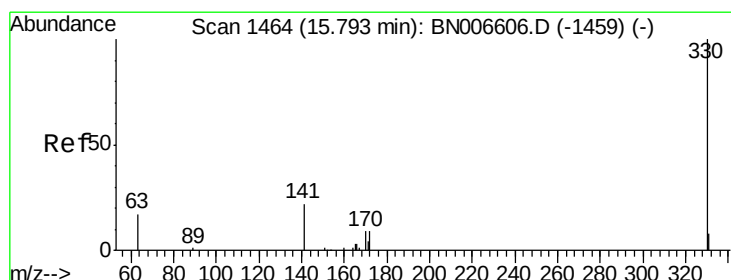
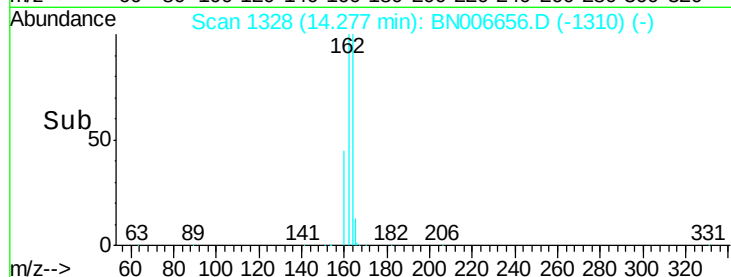
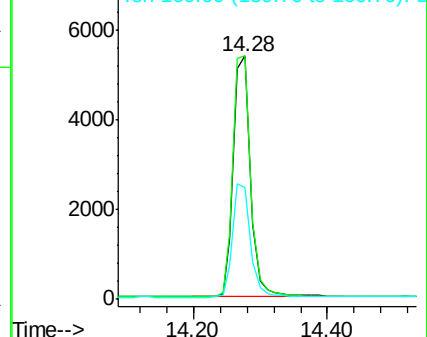
160 45.7 37.0 55.4



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: 0.177 ng

RT: 15.79 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

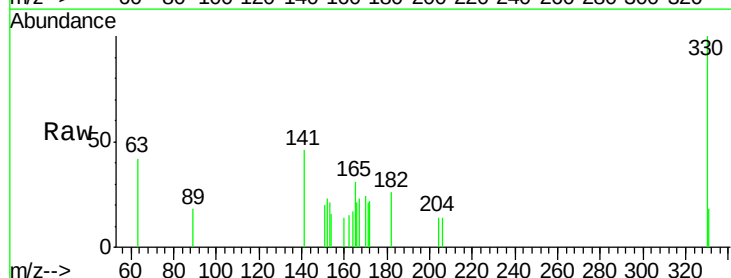
Tgt Ion:330 Resp: 794

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

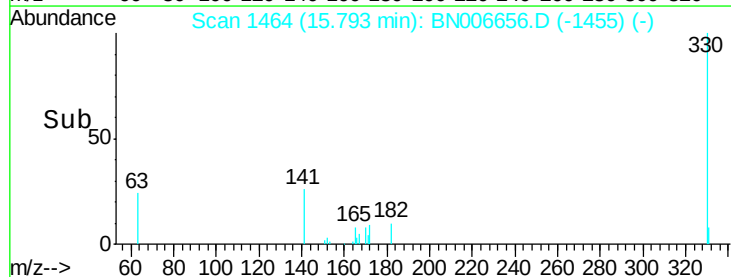
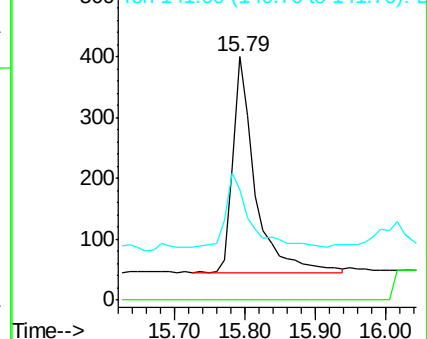
141 35.8 26.5 39.7

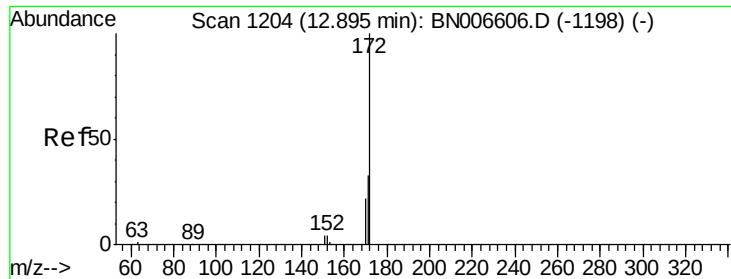


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

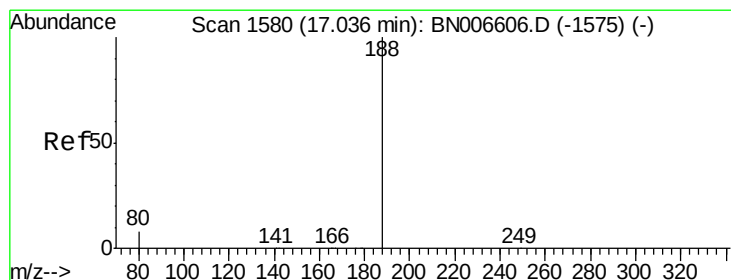
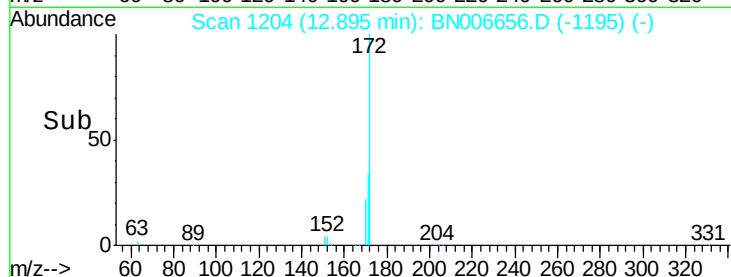
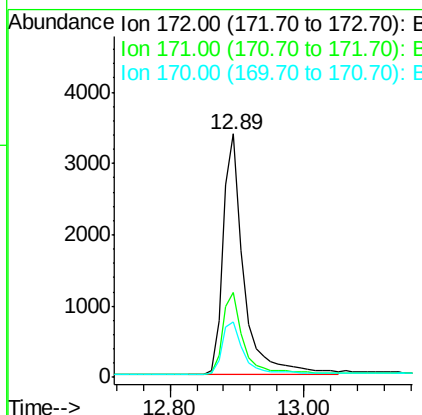
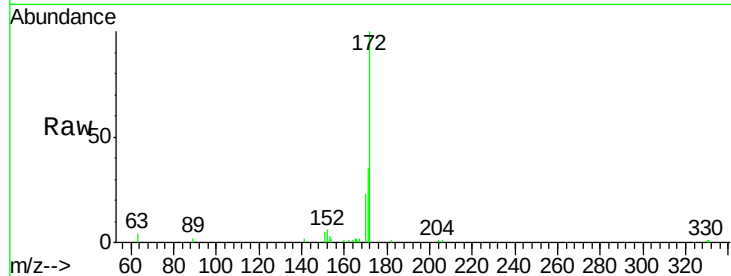




#15
2-Fluorobiphenyl
Concen: 0.202 ng
RT: 12.89 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BN006656.D
Acq: 01 Jul 2019 12:27

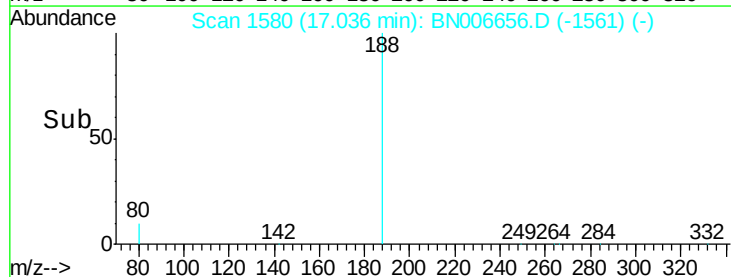
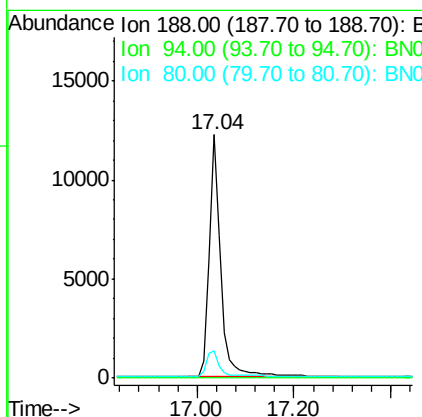
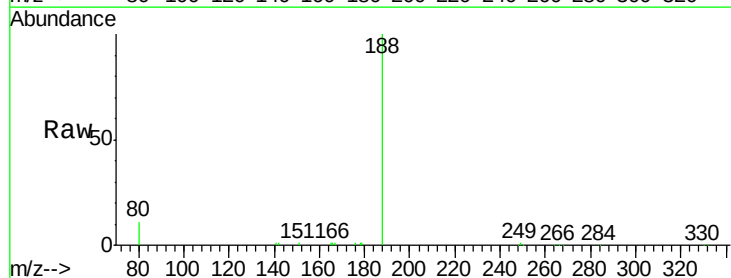
Instrument :
BNA_N
ClientSampleId :
PST-001-SW099-062019

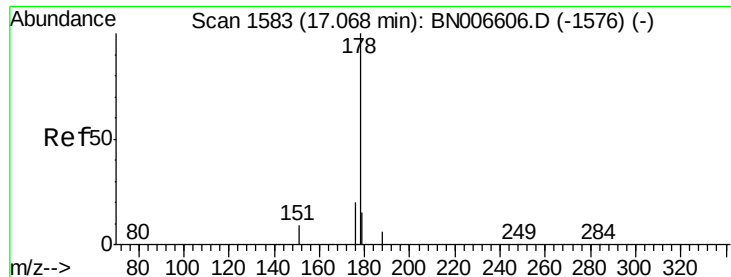
Tot Ion:172 Resp: 7148
Ion Ratio Lower Upper
172 100
171 34.7 27.0 40.4
170 22.7 17.7 26.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BN006656.D
Acq: 01 Jul 2019 12:27

Tgt Ion:188 Resp: 20634
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 7.1 10.7#





#23

Phenanthrene

Concen: 0.046 ng

RT: 17.08 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

Instrument :

BNA_N

ClientSampleId :

PST-001-SW099-062019

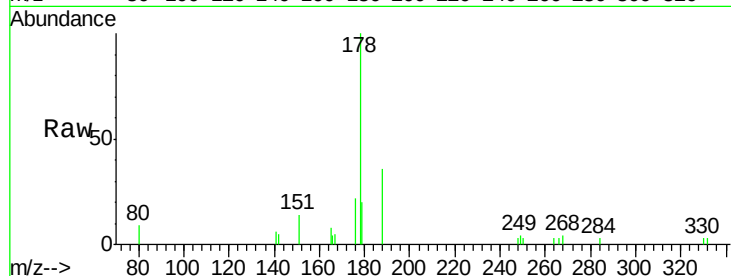
Tot Ion:178 Resp: 2692

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

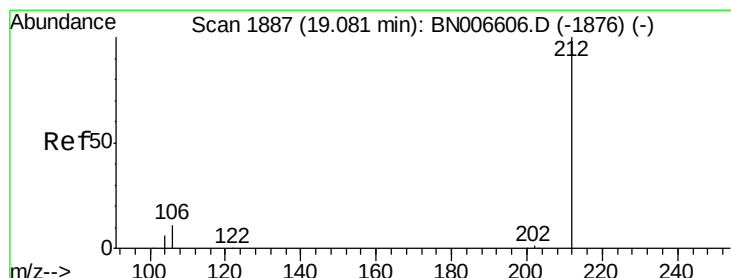
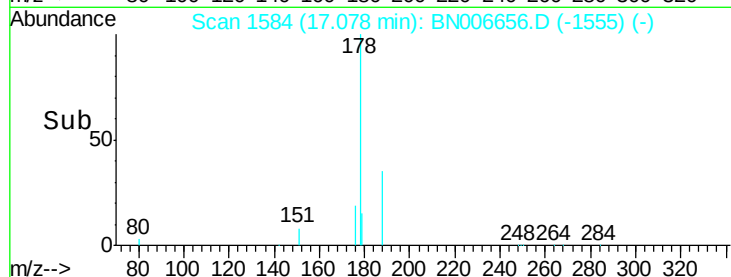
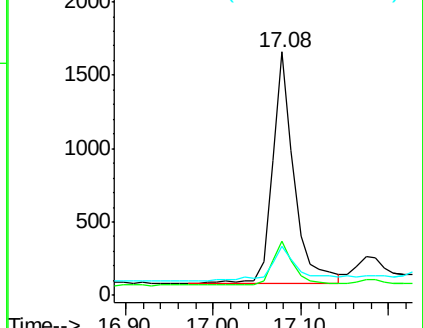
179 18.0 12.2 18.4



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: 0.194 ng

RT: 19.09 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

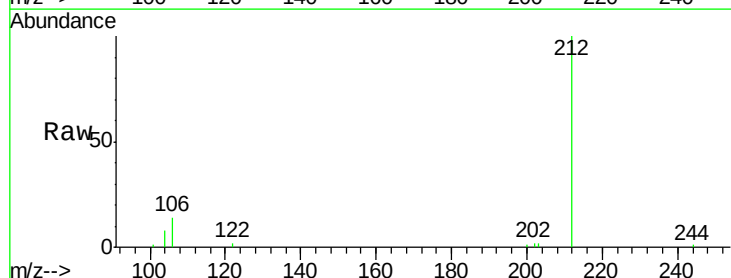
Tgt Ion:212 Resp: 11745

Ion Ratio Lower Upper

212 100

106 13.8 10.6 15.8

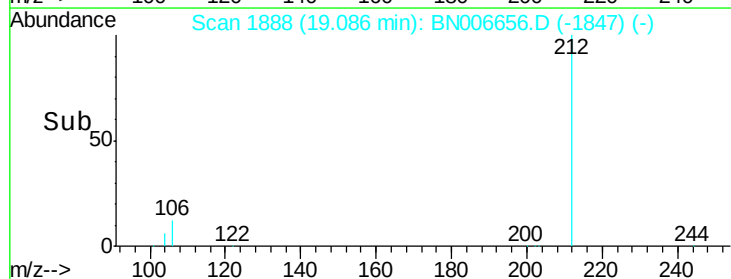
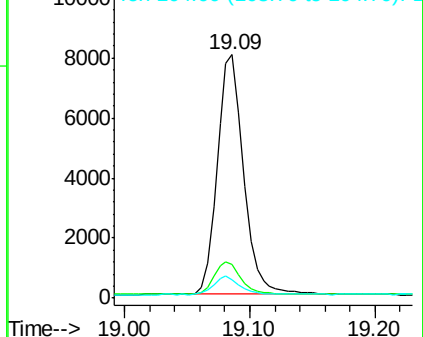
104 7.7 5.8 8.6

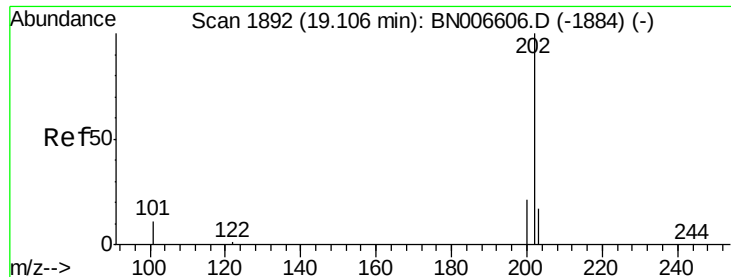


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

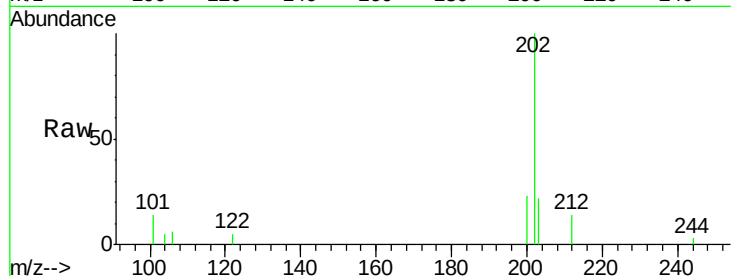




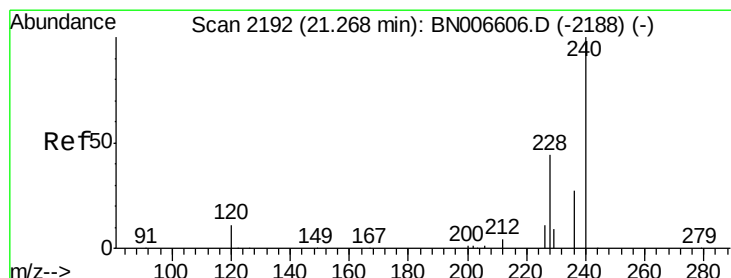
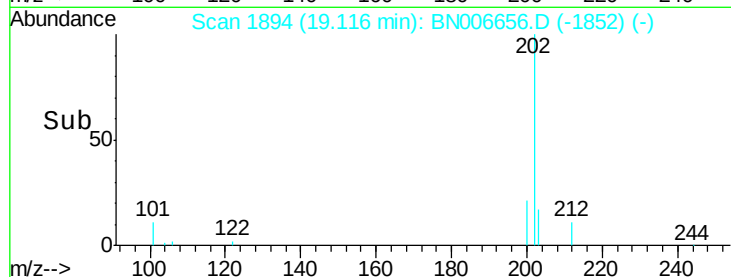
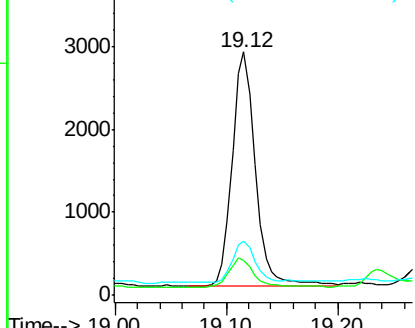
#26
 Fluoranthene
 Concen: 0.058 ng
 RT: 19.12 min Scan# 1894
 Delta R.T. 0.01 min
 Lab File: BN006656.D
 Acq: 01 Jul 2019 12:27

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-SW099-062019

Tot Ion:202 Resp: 4112
 Ion Ratio Lower Upper
 202 100
 101 13.8 8.9 13.3#
 203 16.8 13.6 20.4

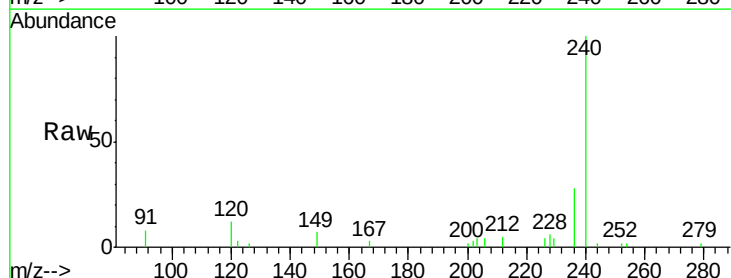


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

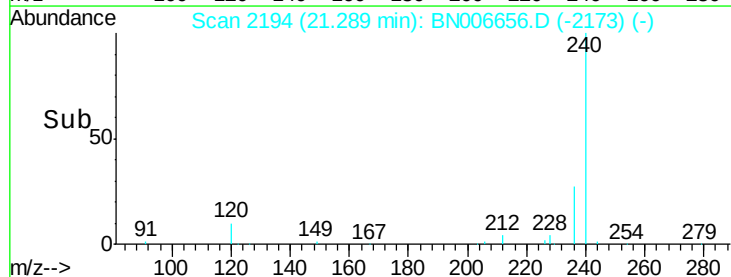
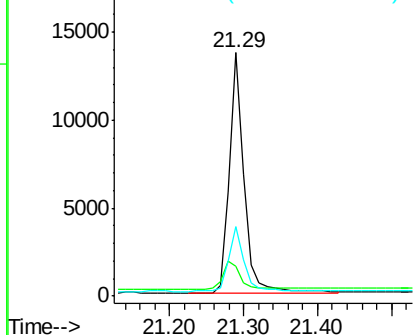


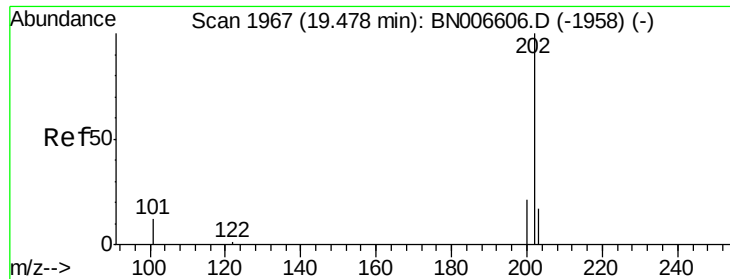
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 2194
 Delta R.T. 0.02 min
 Lab File: BN006656.D
 Acq: 01 Jul 2019 12:27

Tgt Ion:240 Resp: 19239
 Ion Ratio Lower Upper
 240 100
 120 12.3 9.9 14.9
 236 28.3 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

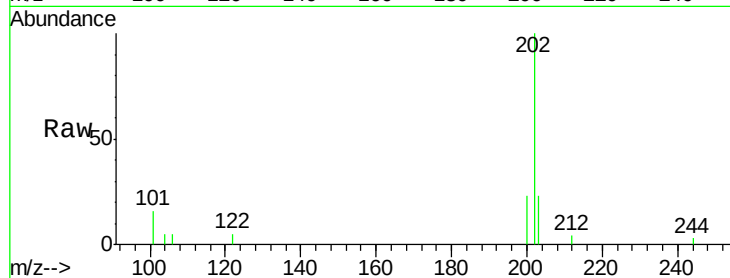




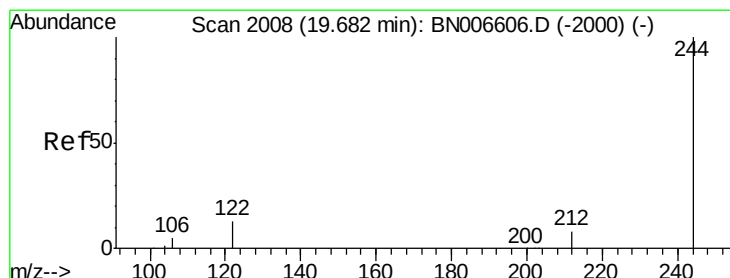
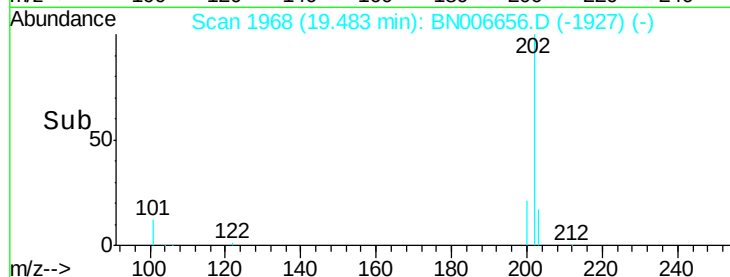
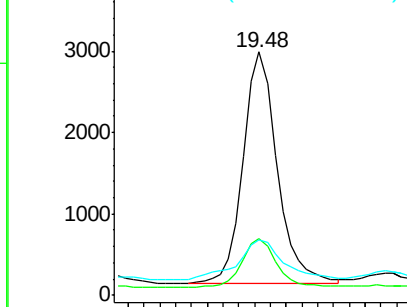
#28
Pvrene
Concen: 0.063 ng
RT: 19.48 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BN006656.D
Acq: 01 Jul 2019 12:27

Instrument :
BNA_N
ClientSampleId :
PST-001-SW099-062019

Tot Ion:202 Resp: 4268
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 22.8 14.1 21.1#

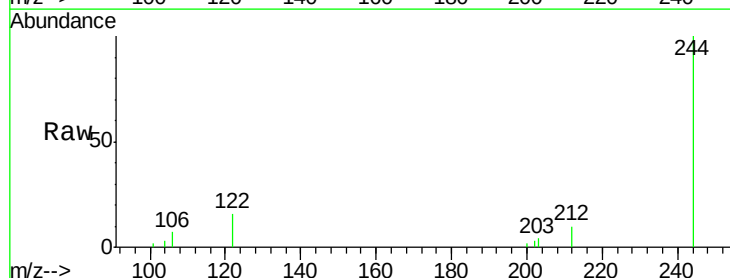


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

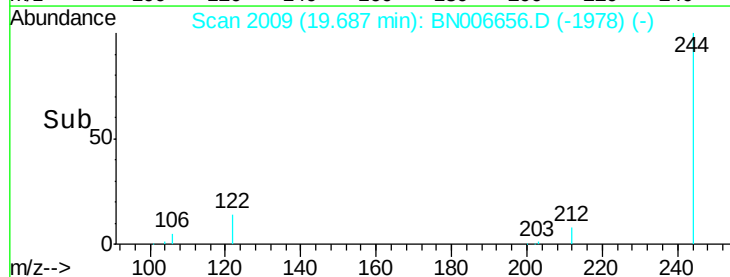
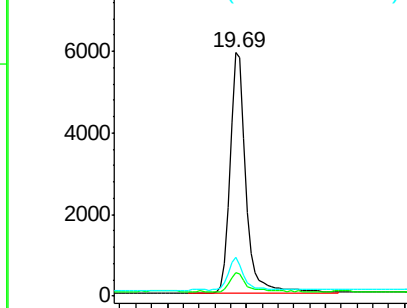


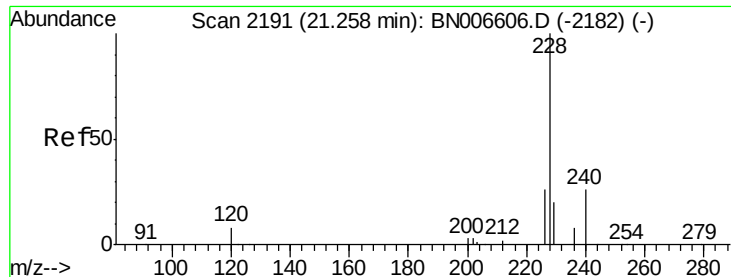
#29
Terphenyl-d14
Concen: 0.208 ng
RT: 19.69 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BN006656.D
Acq: 01 Jul 2019 12:27

Tgt Ion:244 Resp: 8374
Ion Ratio Lower Upper
244 100
212 9.6 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: 0.031 ng

RT: 21.28 min Scan# 2193

Delta R.T. 0.02 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

Instrument :

BNA_N

ClientSampleId :

PST-001-SW099-062019

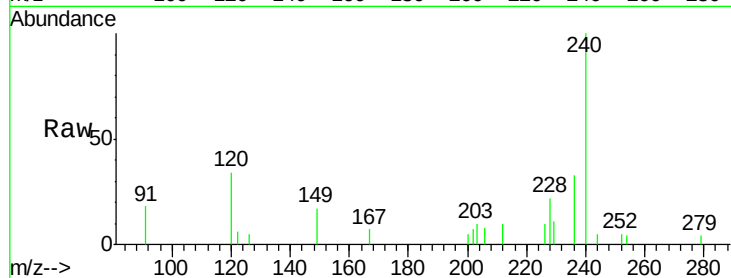
Tot Ion:228 Resp: 1961

Ion Ratio Lower Upper

228 100

226 47.7 21.2 31.8#

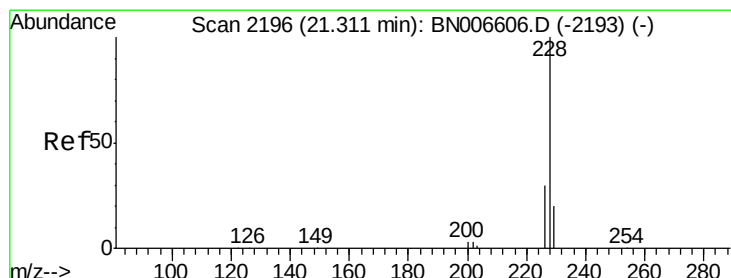
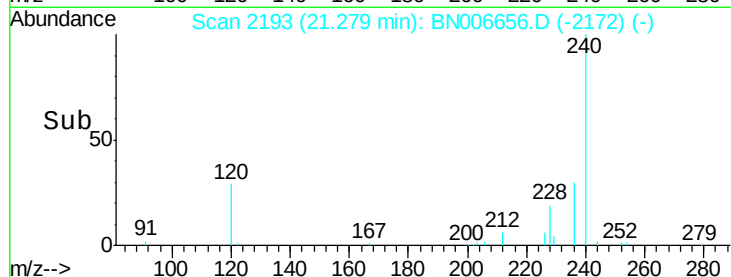
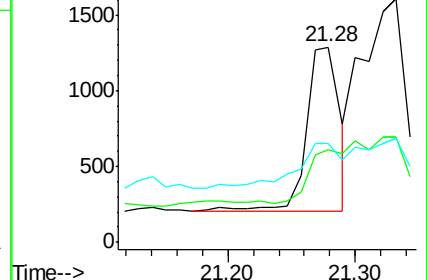
229 50.7 16.1 24.1#



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: 0.048 ng

RT: 21.33 min Scan# 2198

Delta R.T. 0.02 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

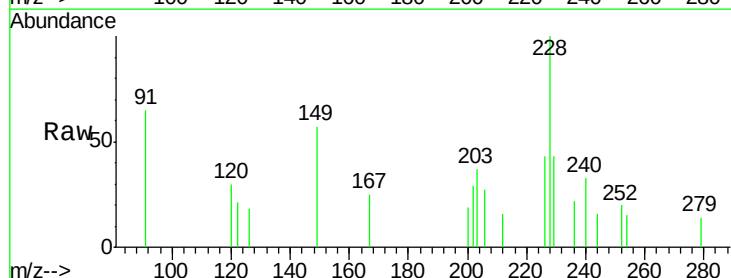
Tgt Ion:228 Resp: 3234

Ion Ratio Lower Upper

228 100

226 43.2 23.8 35.6#

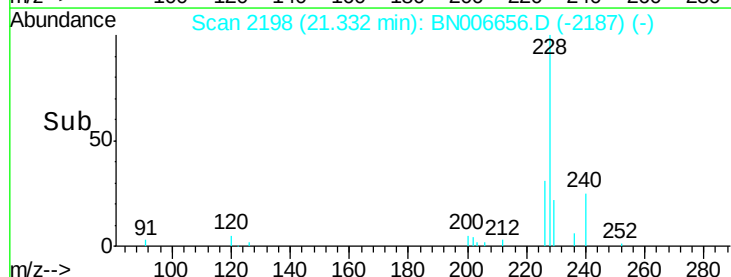
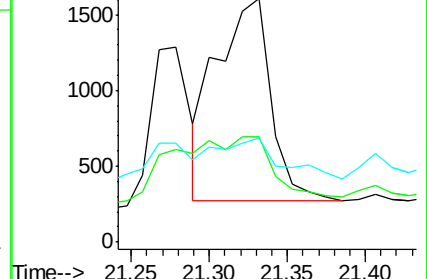
229 42.6 15.9 23.9#

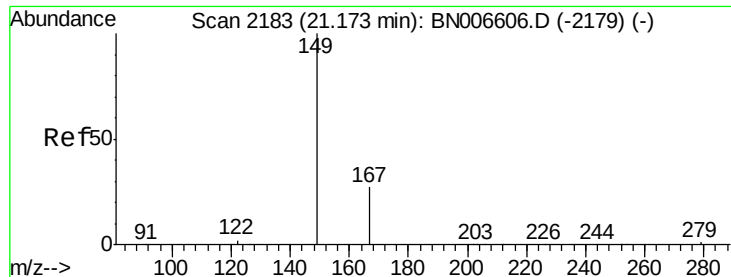


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

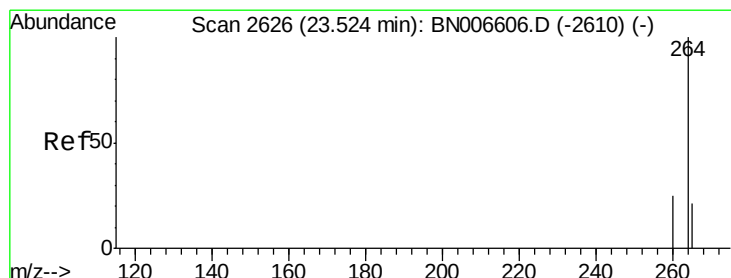
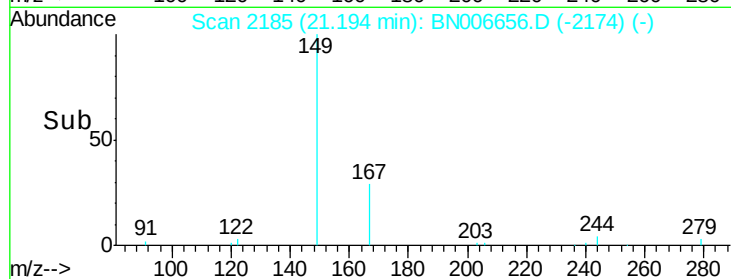
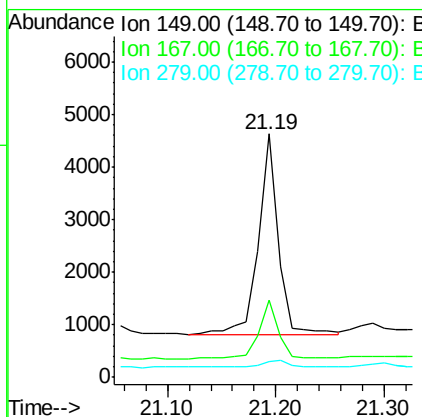
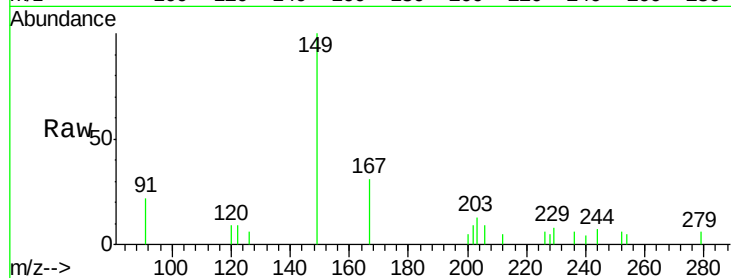




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.153 ng
 RT: 21.19 min Scan# 2185
 Delta R.T. 0.02 min
 Lab File: BN006656.D
 Acq: 01 Jul 2019 12:27

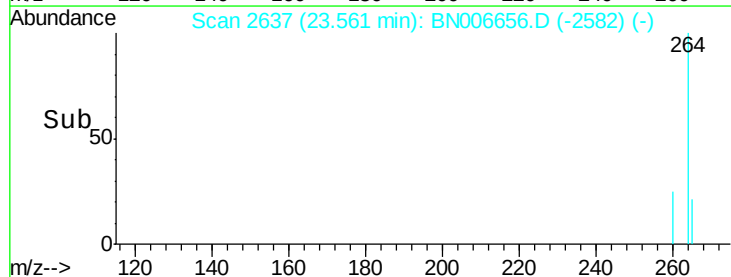
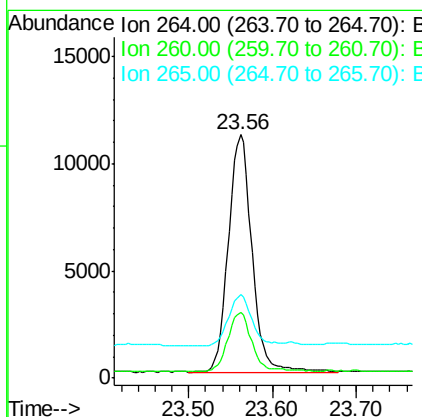
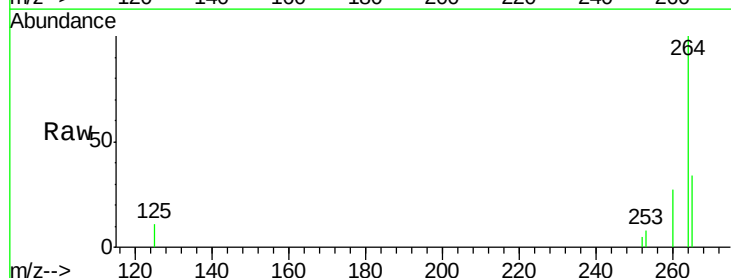
Instrument :
 BNA_N
 ClientSampleId :
 PST-001-SW099-062019

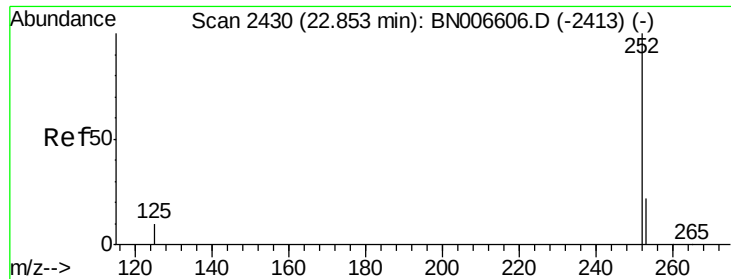
Tot Ion:149 Resp: 4856
 Ion Ratio Lower Upper
 149 100
 167 28.2 22.9 34.3
 279 5.0 3.3 4.9#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.56 min Scan# 2637
 Delta R.T. 0.04 min
 Lab File: BN006656.D
 Acq: 01 Jul 2019 12:27

Tgt Ion:264 Resp: 21609
 Ion Ratio Lower Upper
 264 100
 260 26.8 20.2 30.2
 265 34.2 23.3 34.9





#35

Benzo(b)fluoranthene

Concen: 0.046 ng

RT: 22.89 min Scan# 2441

Delta R.T. 0.04 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

Instrument :

BNA_N

ClientSampleId :

PST-001-SW099-062019

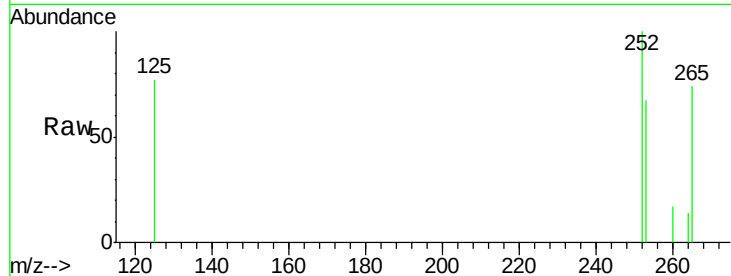
Tot Ion:252 Resp: 3393

Ion Ratio Lower Upper

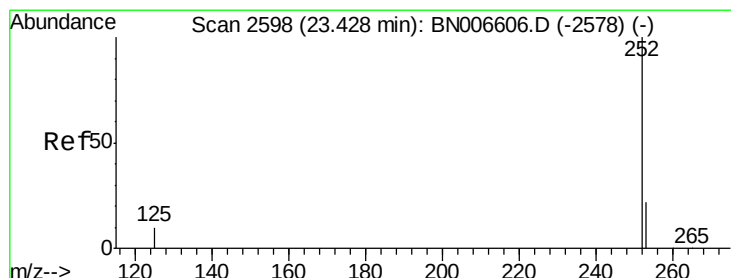
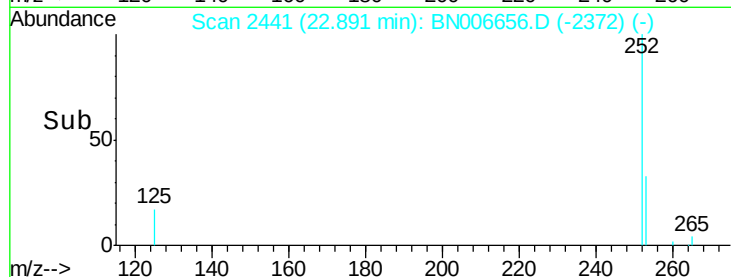
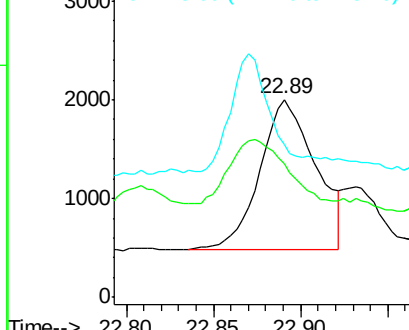
252 100

253 67.4 18.4 27.6#

125 77.4 8.7 13.1#



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: 0.032 ng

RT: 23.47 min Scan# 2609

Delta R.T. 0.04 min

Lab File: BN006656.D

Acq: 01 Jul 2019 12:27

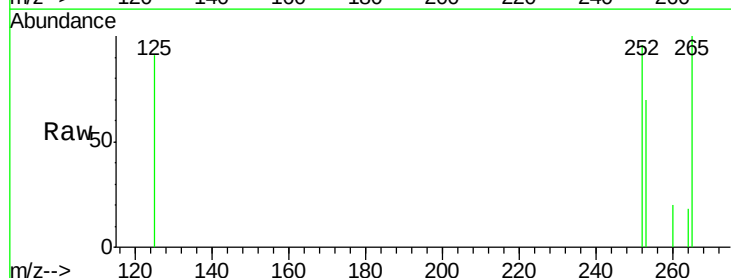
Tgt Ion:252 Resp: 2165

Ion Ratio Lower Upper

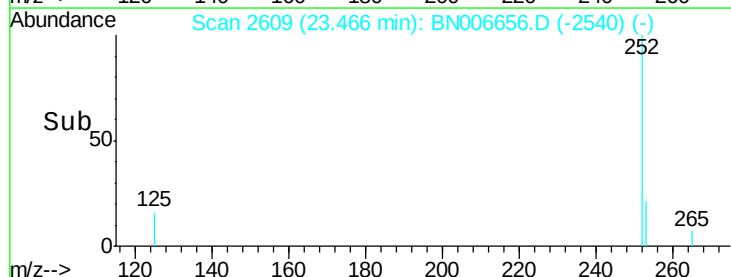
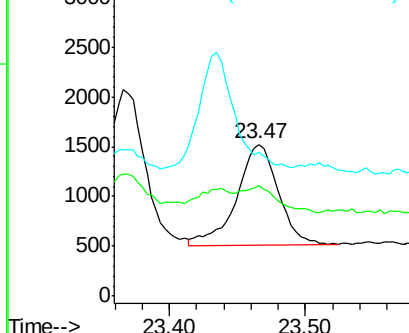
252 100

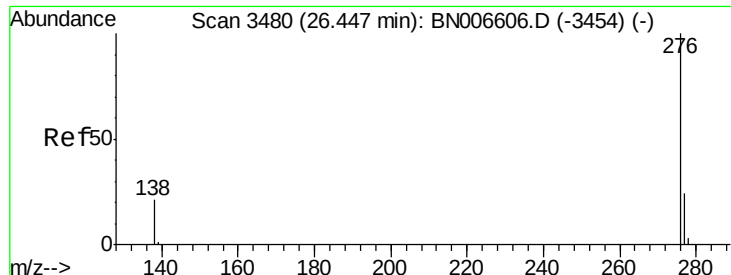
253 72.9 18.8 28.2#

125 95.2 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(a,h,i)perylene

Concen: 0.033 ng

RT: 26.50 min Scan# 3495

Delta R.T. 0.05 min

Lab File: BN006656.D

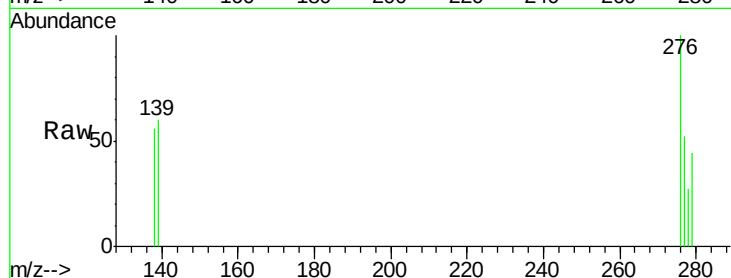
Acq: 01 Jul 2019 12:27

Instrument :

BNA_N

ClientSampleId :

PST-001-SW099-062019



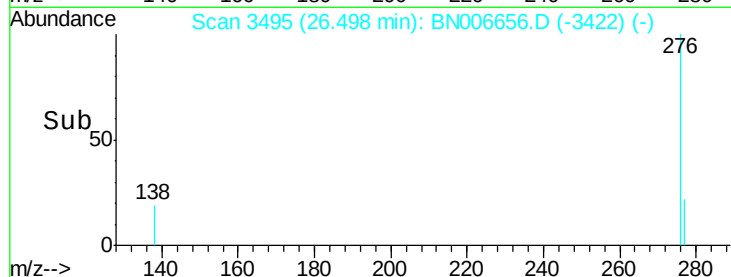
Tot Ion: 276 Resp: 1964

Ion Ratio Lower Upper

276 100

277 51.9 19.6 29.4#

138 56.3 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

