

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070819\
 Data File : BN006758.D
 Acq On : 08 Jul 2019 14:55
 Operator : HP/JU
 Sample : K3558-16RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B056-062619RE

Quant Time: Jul 09 03:10:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN070219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 05:30:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	3539	0.40	ng	-0.02
7) Naphthalene-d8	10.38	136	14418	0.40	ng	-0.01
13) Acenaphthene-d10	14.24	164	8490	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	19385	0.40	ng	-0.02
27) Chrysene-d12	21.24	240	18981	0.40	ng	-0.02
34) Perylene-d12	23.47	264	21159	0.40	ng	-0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	710	0.07	ng	0.02
5) Phenol-d6	6.86	99	858	0.07	ng	0.02
8) Nitrobenzene-d5	8.82	82	767	0.07	ng	0.03
11) 2-Methylnaphthalene-d10	11.99	152	1959	0.09	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	335	0.08	ng	-0.01
15) 2-Fluorobiphenyl	12.87	172	2686	0.08	ng	-0.01
25) Fluoranthene-d10	19.06	212	4611	0.08	ng	-0.02
29) Terphenyl-d14	19.66	244	3328	0.08	ng	-0.01

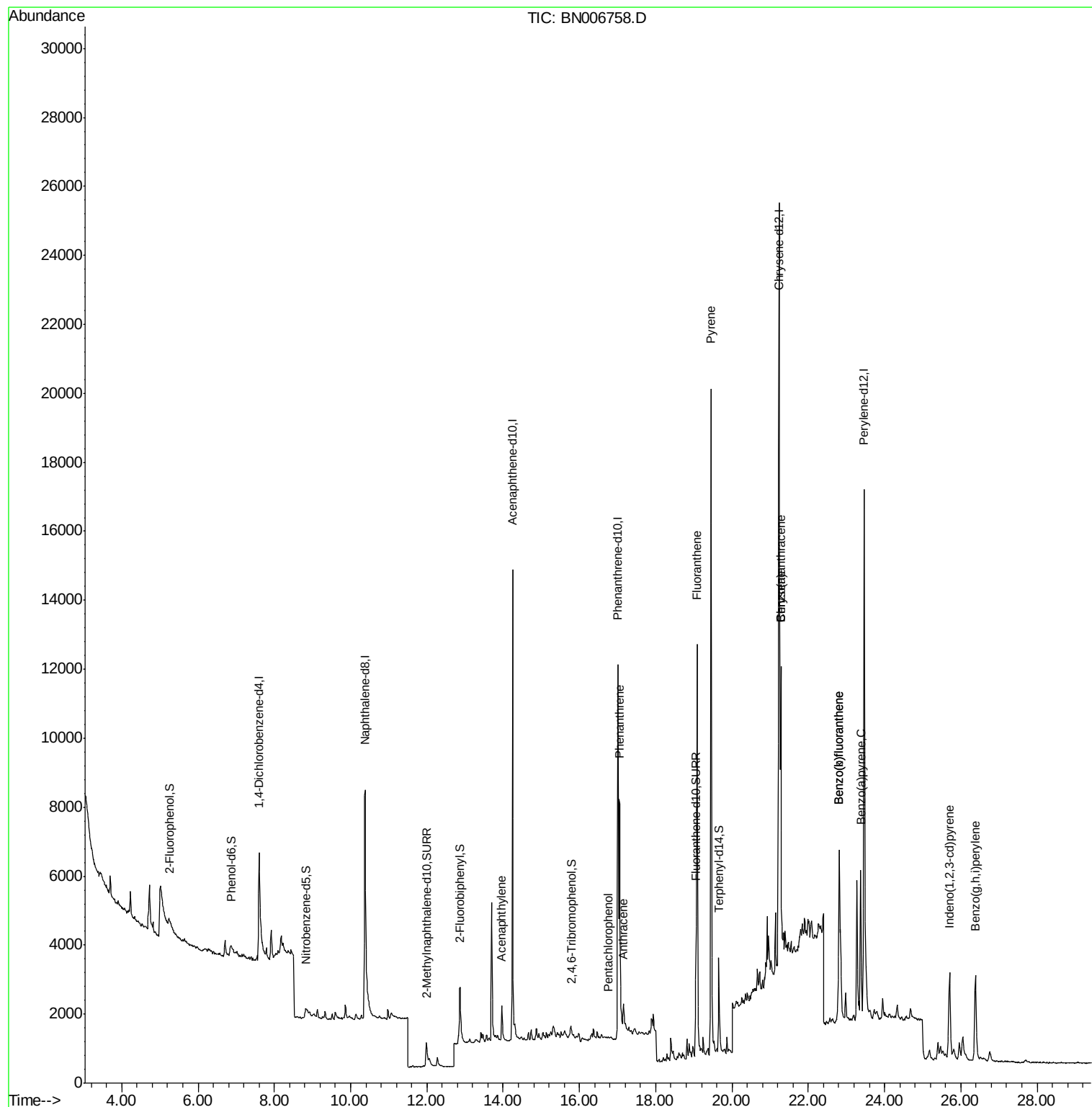
Target Compounds				Qvalue		
12) 2-Methylnaphthalene	12.06	142	234	Below Cal	#	66
16) Acenaphthylene	13.96	152	1666	0.039	ng	99
22) Pentachlorophenol	16.75	266	2	0.111	ng	# 75
23) Phenanthrene	17.06	178	9052	0.162	ng	99
24) Anthracene	17.15	178	1340	0.027	ng	# 94
26) Fluoranthene	19.09	202	12428	0.189	ng	99
28) Pyrene	19.45	202	18861	0.248	ng	98
30) Benzo(a)anthracene	21.28	228	9303	0.142	ng	91
31) Chrysene	21.28	228	9131	0.135	ng	95
33) Indeno(1,2,3-cd)pyrene	25.70	276	4552	0.056	ng	# 92
35) Benzo(b)fluoranthene	22.81	252	8976	0.132	ng	# 92
36) Benzo(k)fluoranthene	22.81	252	8976	0.122	ng	# 92
37) Benzo(a)pyrene	23.37	252	6404	0.097	ng	93
39) Benzo(g,h,i)perylene	26.38	276	5320	0.079	ng	97

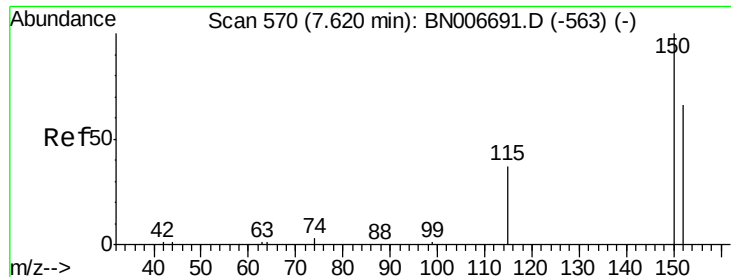
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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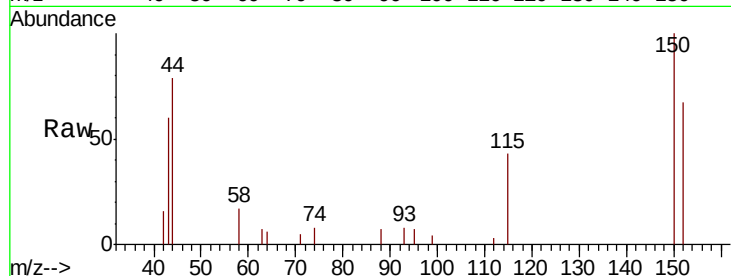


#1

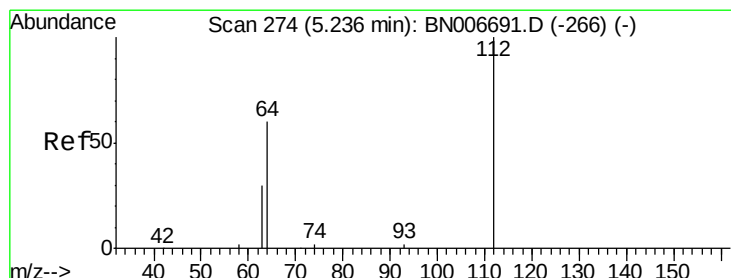
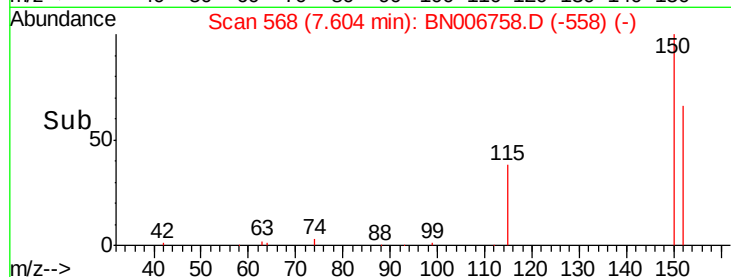
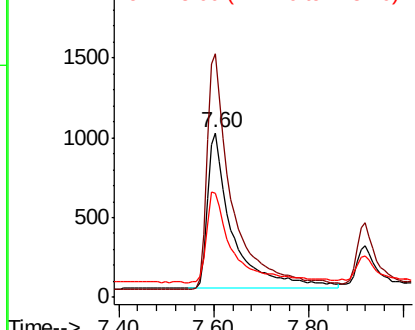
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 568
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

Tgt Ion:152 Resp: 3539
Ion Ratio Lower Upper
152 100
150 148.3 120.6 181.0
115 63.5 51.0 76.6



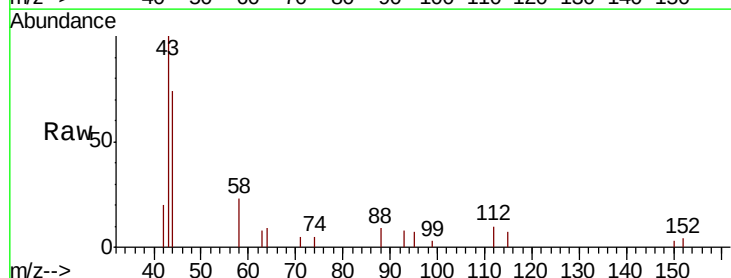
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



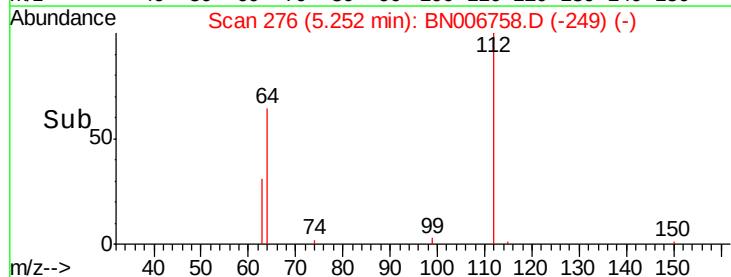
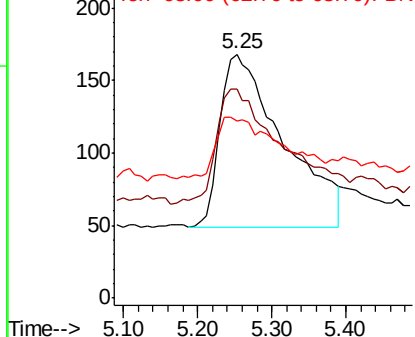
#4

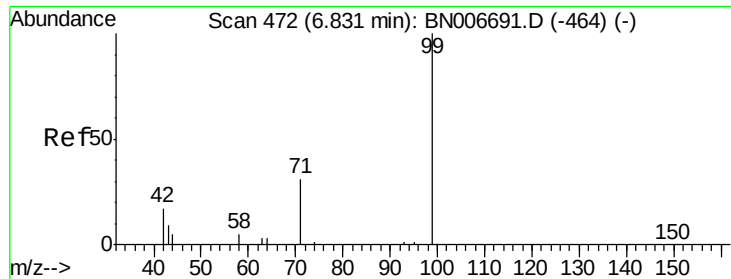
2-Fluorophenol
Concen: 0.074 ng
RT: 5.25 min Scan# 276
Delta R.T. 0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Tgt Ion:112 Resp: 710
Ion Ratio Lower Upper
112 100
64 68.2 49.8 74.6
63 37.5 25.8 38.6



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: 0.071 ng

RT: 6.86 min Scan# 475

Delta R.T. 0.02 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

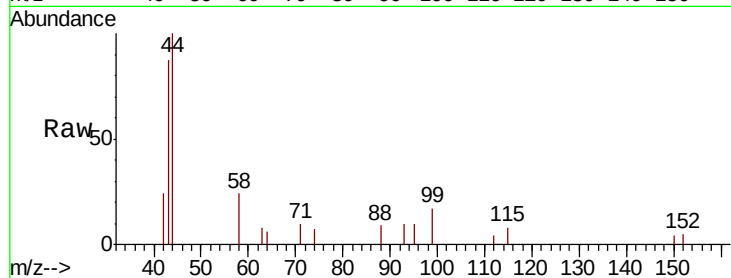
Tgt Ion: 99 Resp: 858

Ion Ratio Lower Upper

99 100

42 12.9 16.6 25.0#

71 36.8 26.0 39.0



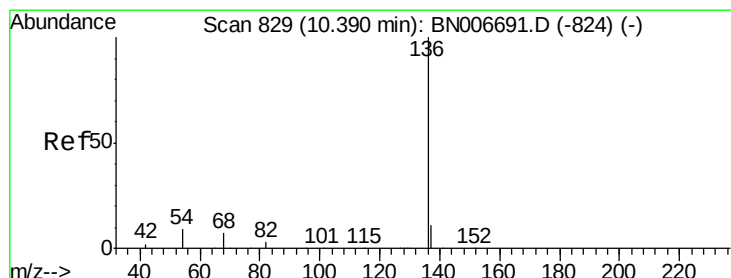
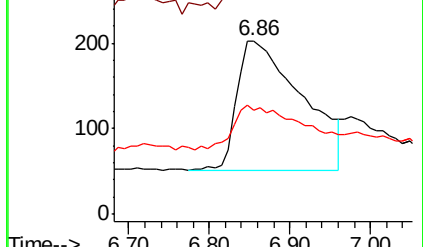
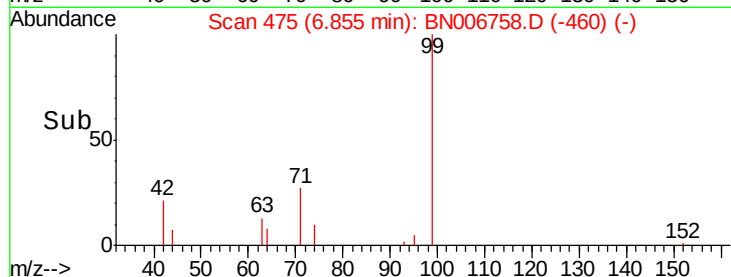
Abundance Ion 99.00 (98.70 to 99.70): BN006691.D (-464) (-)

Ion 42.00 (41.70 to 42.70): BN006691.D (-464) (-)

Ion 71.00 (70.70 to 71.70): BN006691.D (-464) (-)

6.86

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 828

Delta R.T. -0.01 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Tgt Ion: 136 Resp: 14418

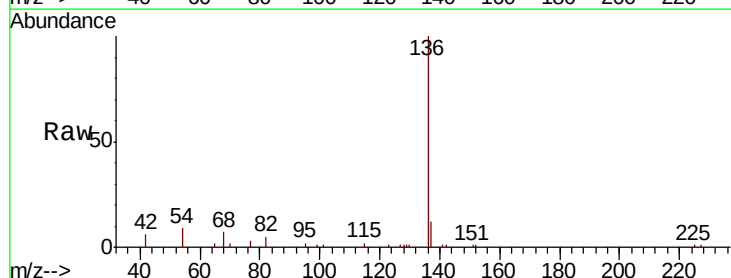
Ion Ratio Lower Upper

136 100

137 11.8 9.3 13.9

54 9.4 8.4 12.6

68 7.4 6.8 10.2



Abundance Ion 136.00 (135.70 to 136.70): BN006691.D (-824) (-)

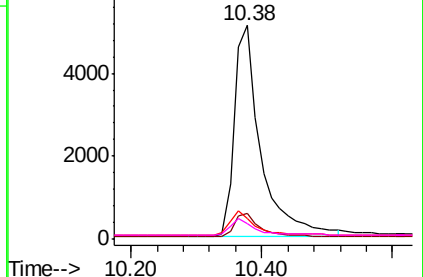
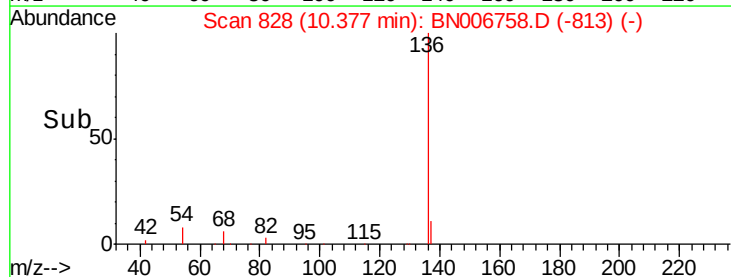
Ion 137.00 (136.70 to 137.70): BN006691.D (-824) (-)

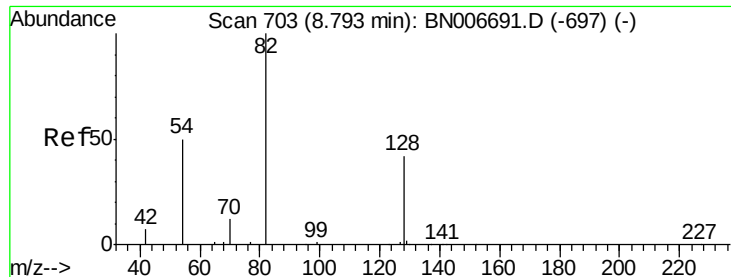
Ion 54.00 (53.70 to 54.70): BN006691.D (-824) (-)

Ion 68.00 (67.70 to 68.70): BN006691.D (-824) (-)

10.38

Time-->





#8

Nitrobenzene-d5

Concen: 0.069 ng

RT: 8.82 min Scan# 705

Delta R.T. 0.03 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

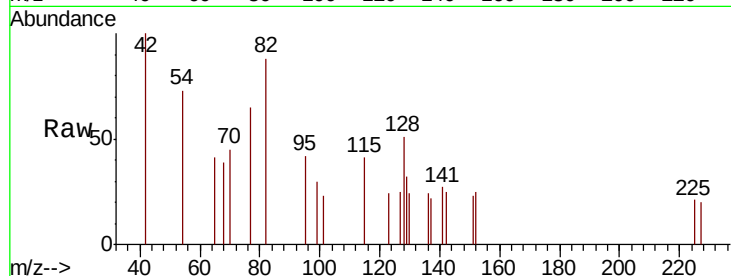
Tgt Ion: 82 Resp: 767

Ion Ratio Lower Upper

82 100

128 57.8 36.1 54.1#

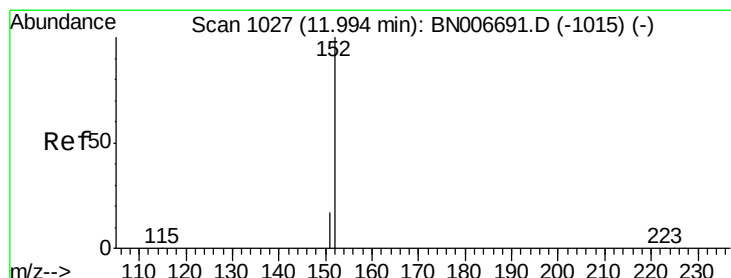
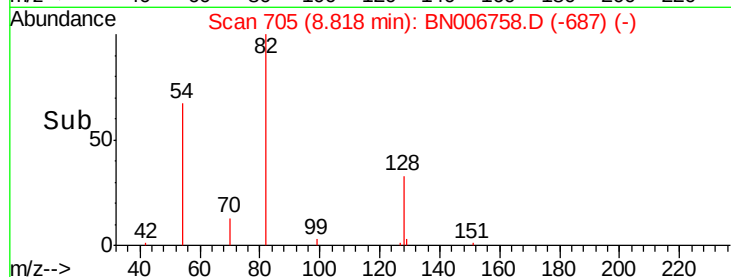
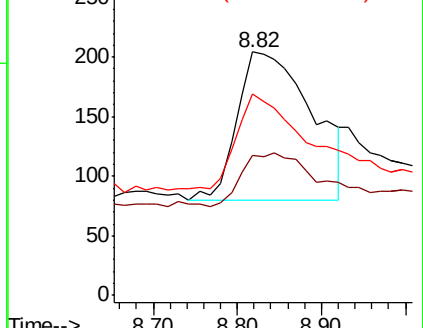
54 82.8 44.5 66.7#



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: 0.090 ng

RT: 11.99 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BN006758.D

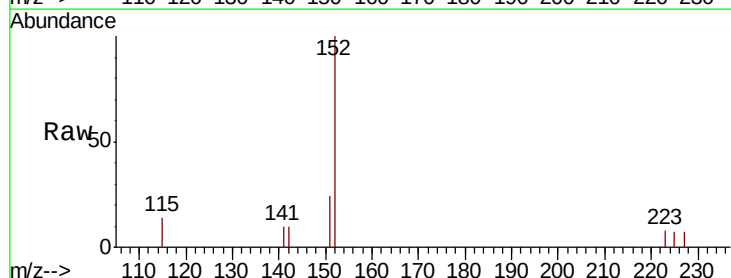
Acq: 08 Jul 2019 14:55

Tgt Ion: 152 Resp: 1959

Ion Ratio Lower Upper

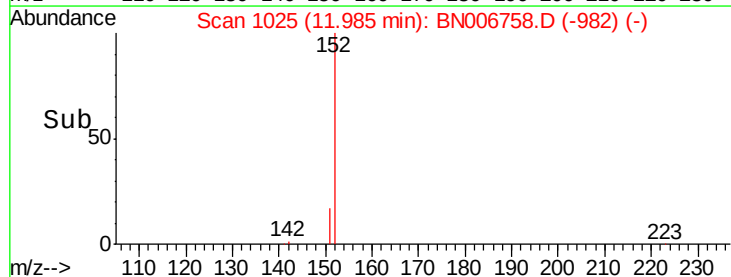
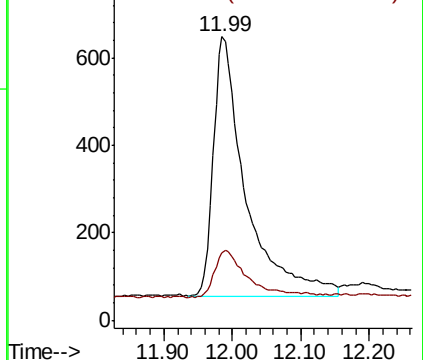
152 100

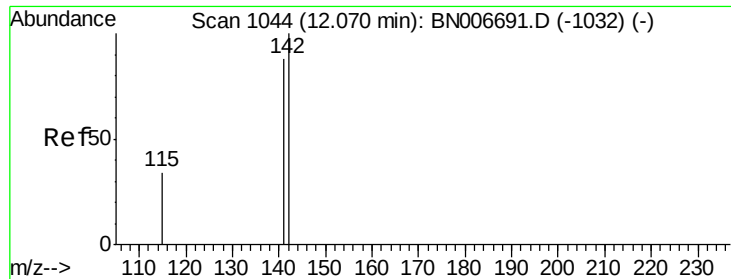
151 19.4 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): BNC

Ion 151.00 (150.70 to 151.70): BNC

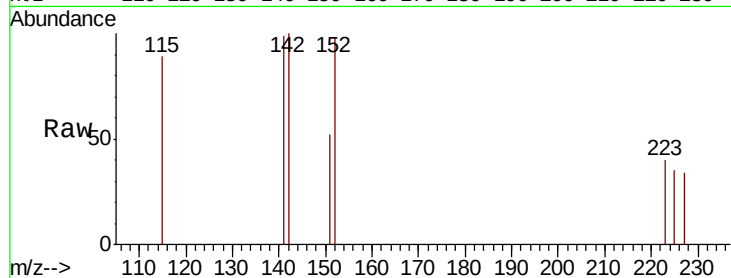




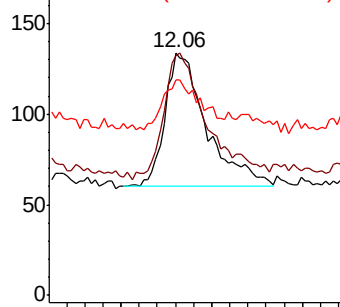
#12
2-Methylnaphthalene
Concen: Below Cal
RT: 12.06 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

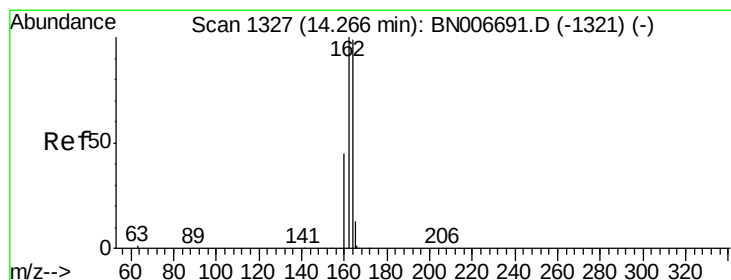
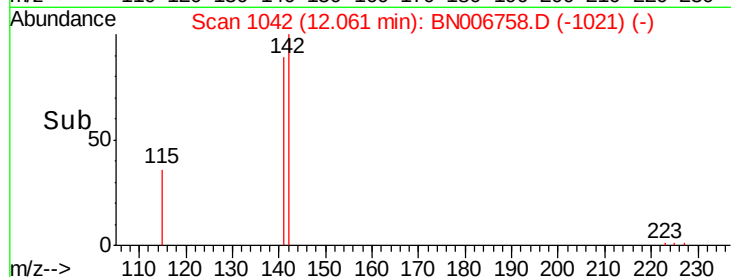
Tgt Ion:142 Resp: 234
Ion Ratio Lower Upper
142 100
141 98.5 70.3 105.5
115 88.8 28.9 43.3#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

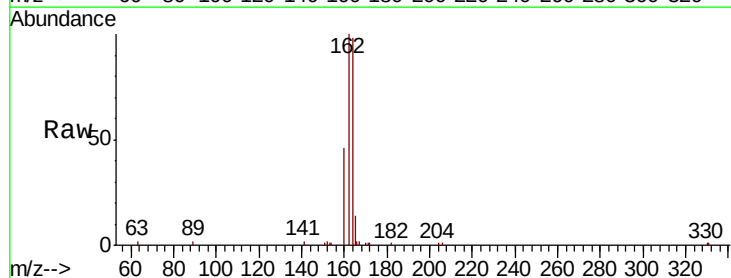


Time-->

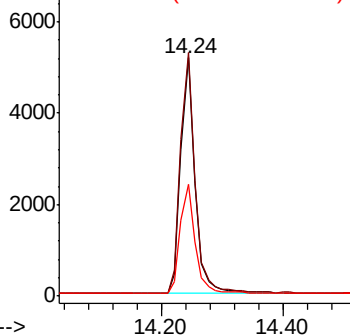


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

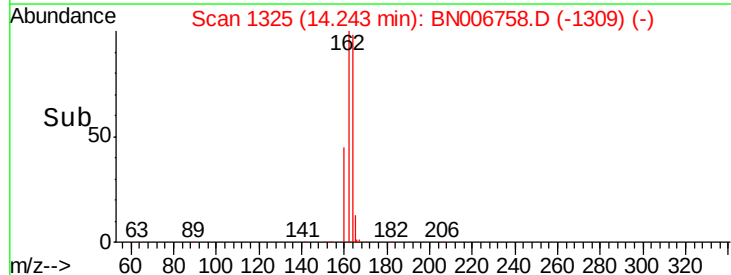
Tgt Ion:164 Resp: 8490
Ion Ratio Lower Upper
164 100
162 102.2 80.8 121.2
160 46.9 37.0 55.6

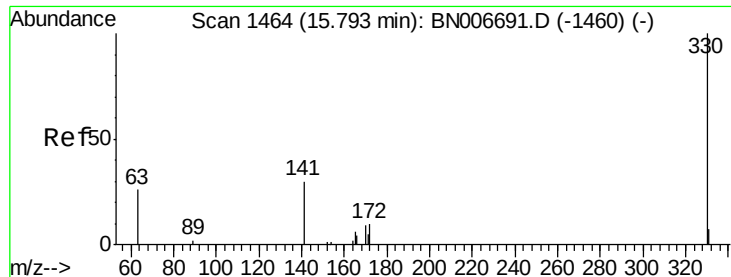


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

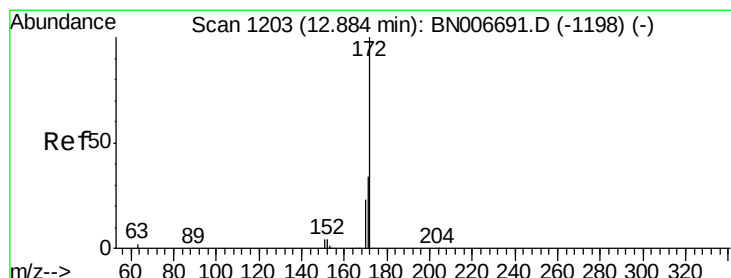
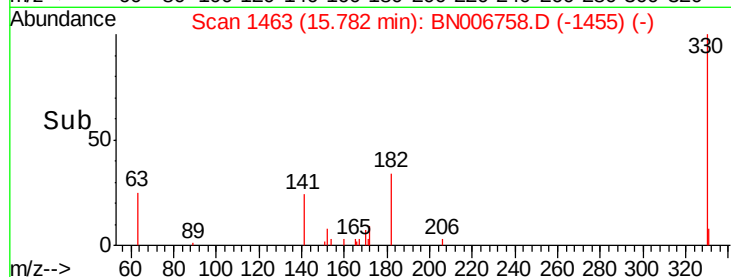
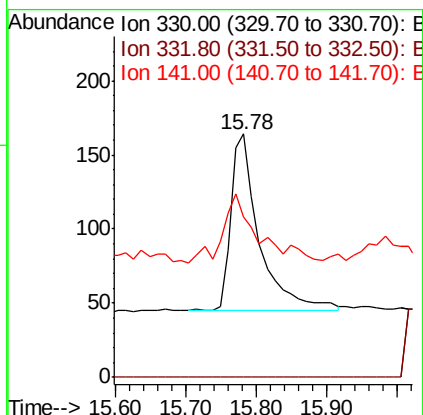
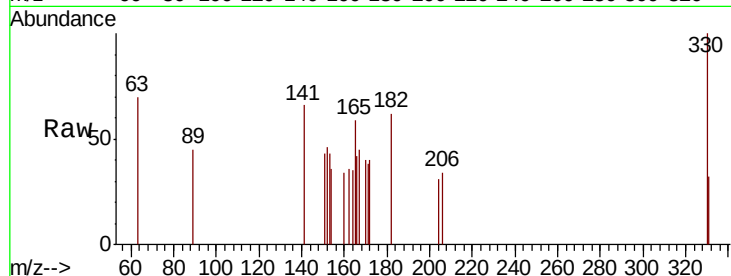




#14
 2,4,6-Tribromophenol
 Concen: 0.080 ng
 RT: 15.78 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BN006758.D
 Acq: 08 Jul 2019 14:55

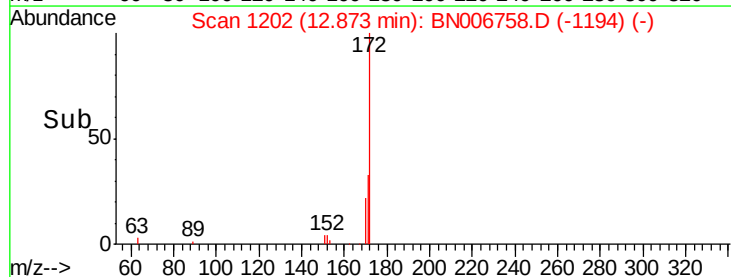
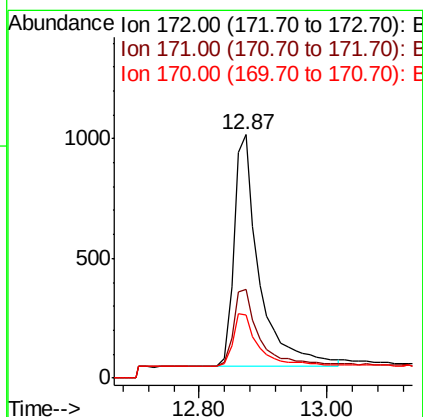
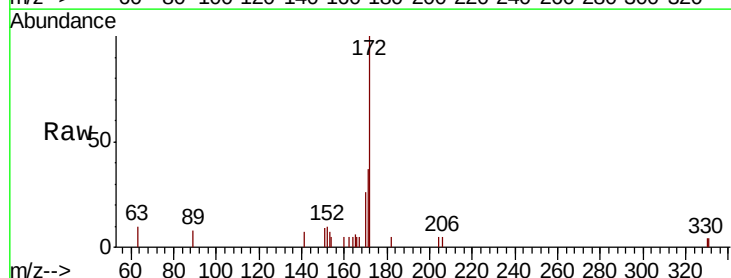
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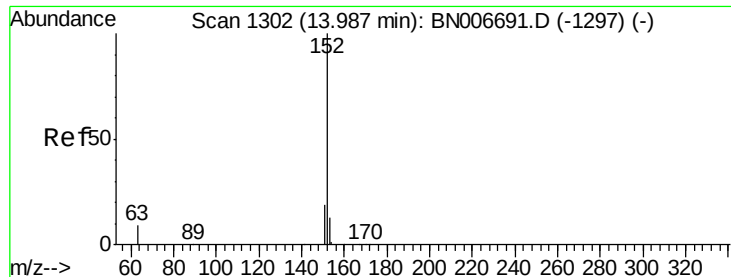
Tgt Ion: 330 Resp: 335
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 43.6 24.8 37.2#



#15
 2-Fluorobiphenyl
 Concen: 0.081 ng
 RT: 12.87 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BN006758.D
 Acq: 08 Jul 2019 14:55

Tgt Ion: 172 Resp: 2686
 Ion Ratio Lower Upper
 172 100
 171 36.6 27.8 41.6
 170 25.9 18.9 28.3





#16

Acenaphthylene

Concen: 0.039 ng

RT: 13.96 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

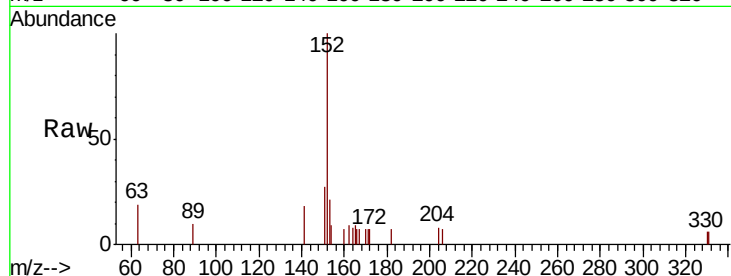
Tgt Ion:152 Resp: 1666

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

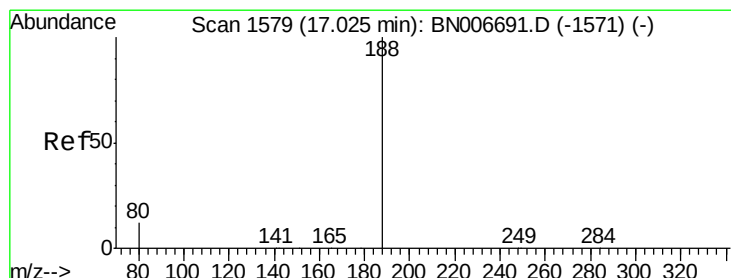
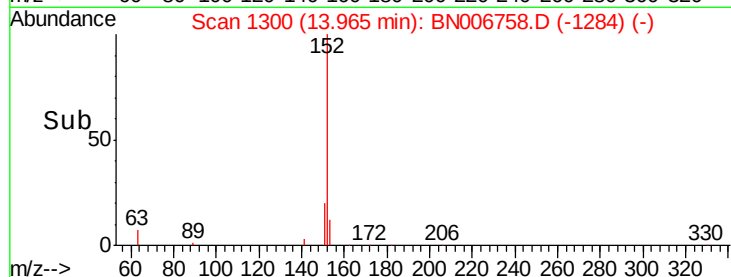
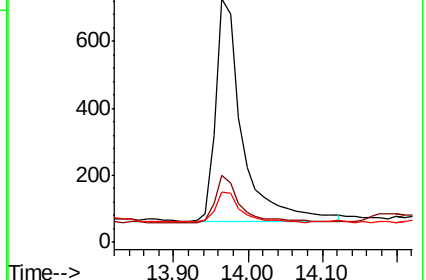
153 12.9 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.00 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

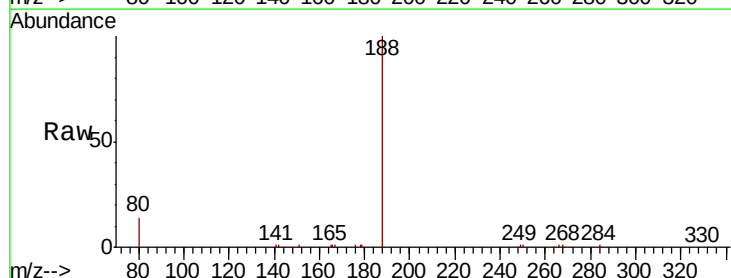
Tgt Ion:188 Resp: 19385

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

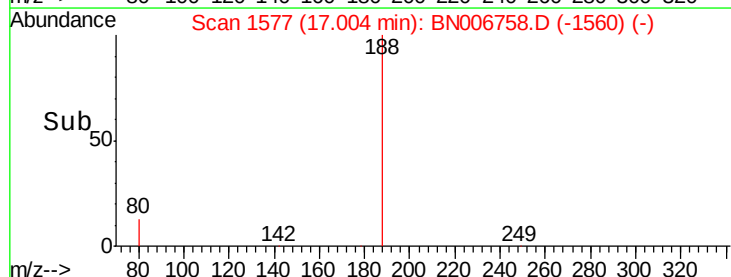
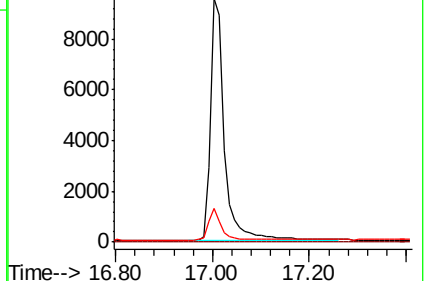
80 14.1 10.3 15.5

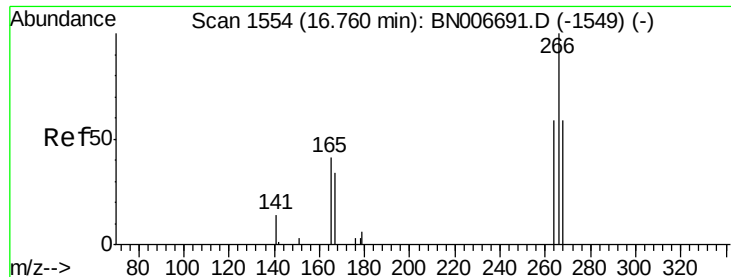


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#22

Pentachlorophenol

Concen: 0.111 ng

RT: 16.75 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

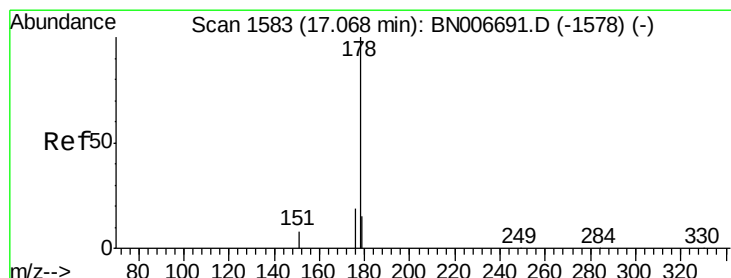
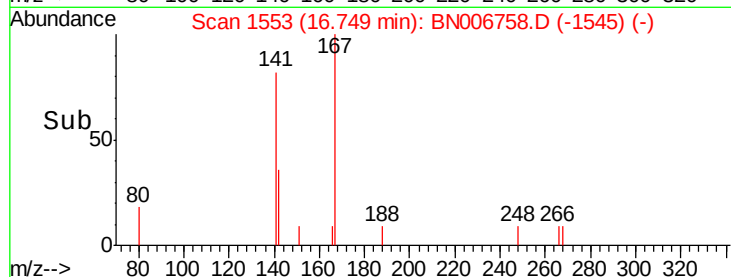
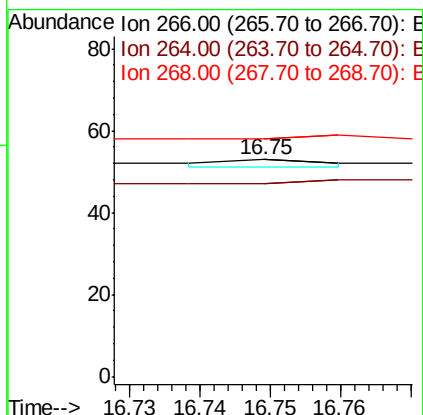
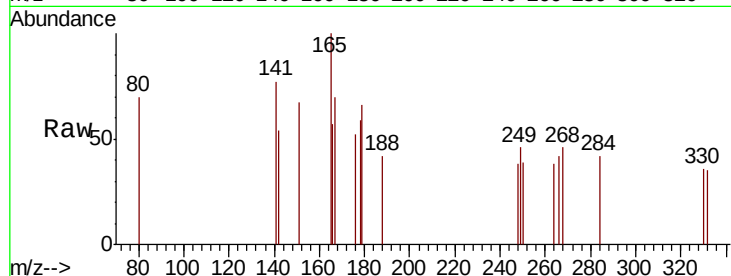
Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

Tgt Ion:	266	Resp:	2
Ion Ratio	Lower	Upper	
266	100		
264	88.7	57.6	86.4#
268	109.4	66.6	99.8#



#23

Phenanthrene

Concen: 0.162 ng

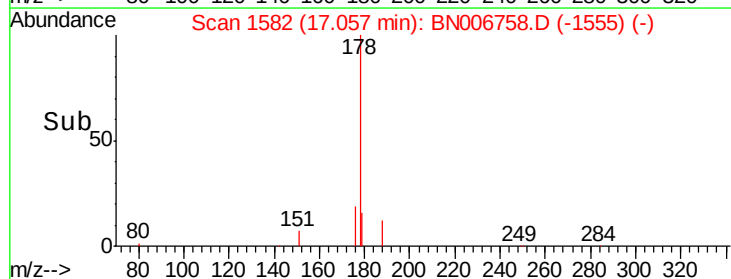
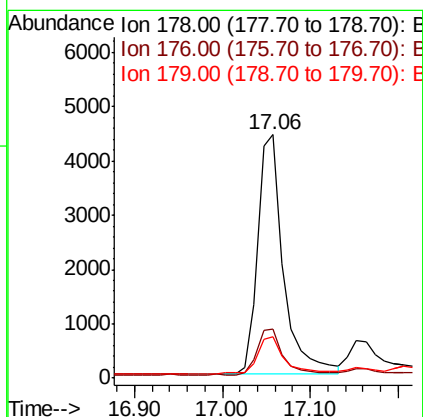
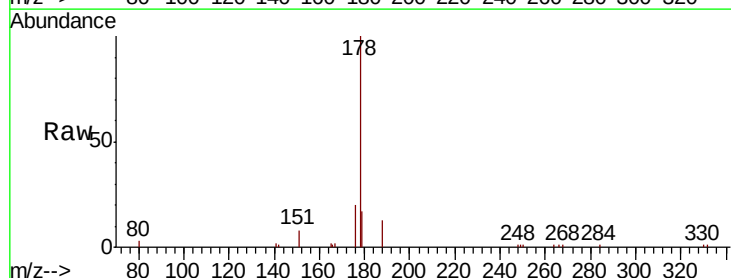
RT: 17.06 min Scan# 1582

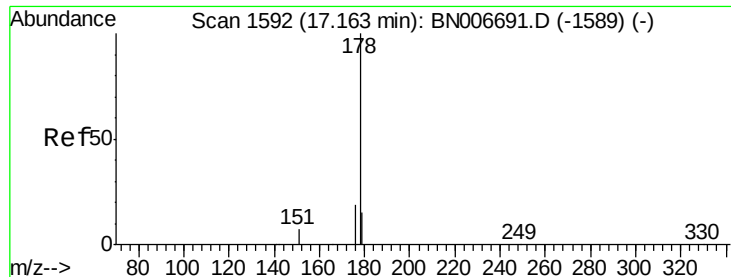
Delta R.T. -0.01 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Tgt Ion:	178	Resp:	9052
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	16.2	12.4	18.6





#24

Anthracene

Concen: 0.027 ng

RT: 17.15 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

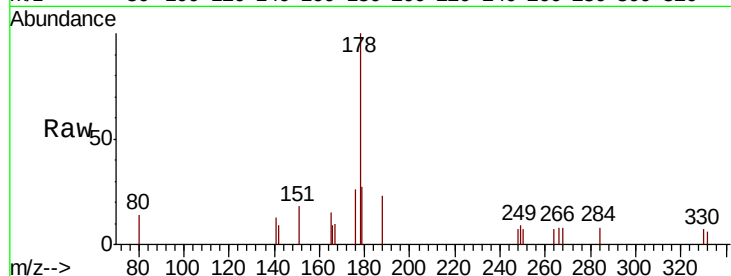
Tgt Ion:178 Resp: 1340

Ion Ratio Lower Upper

178 100

176 18.0 14.8 22.2

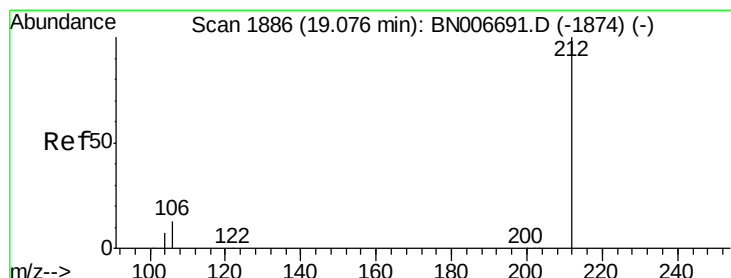
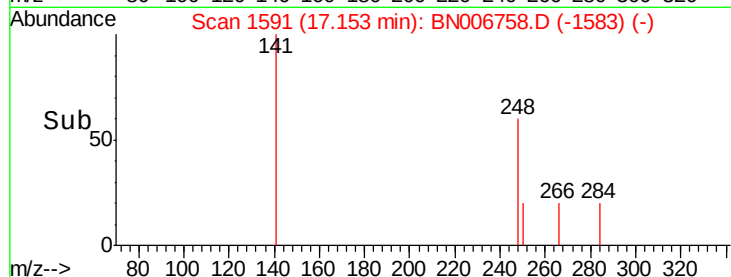
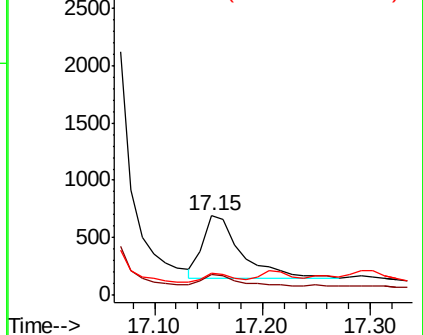
179 9.6 11.9 17.9#



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: 0.083 ng

RT: 19.06 min Scan# 1882

Delta R.T. -0.02 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

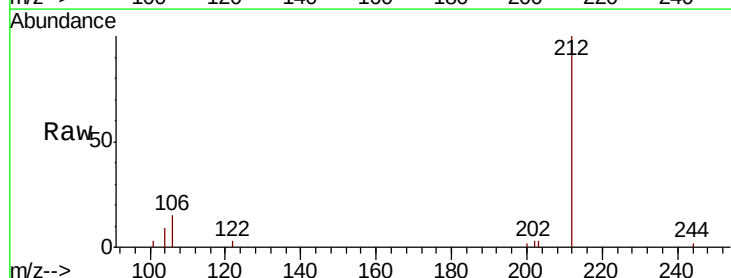
Tgt Ion:212 Resp: 4611

Ion Ratio Lower Upper

212 100

106 13.5 11.0 16.6

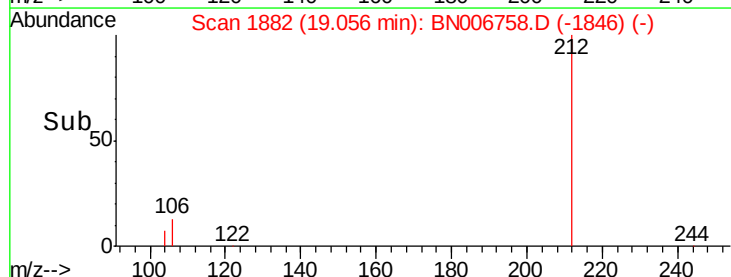
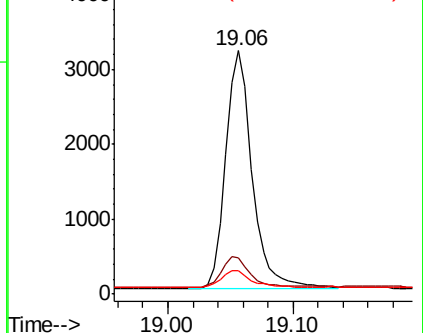
104 8.0 6.1 9.1

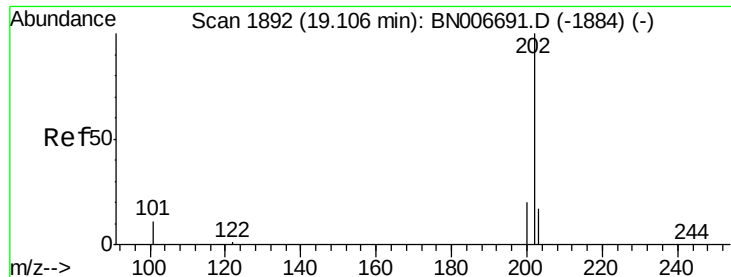


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

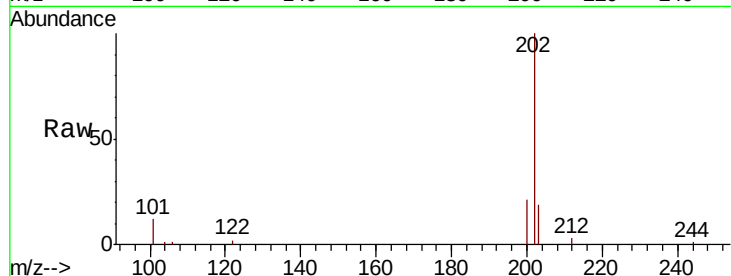




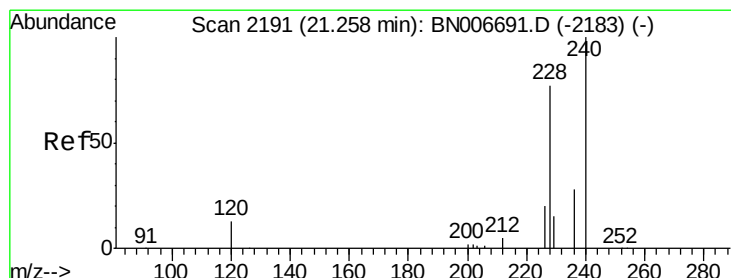
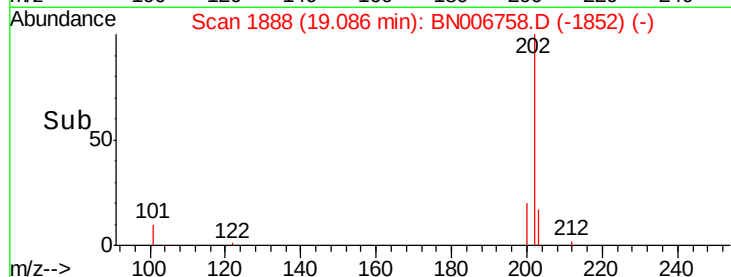
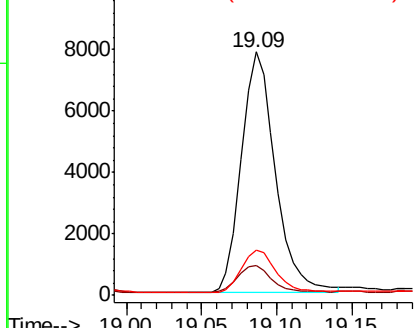
#26
Fluoranthene
Concen: 0.189 ng
RT: 19.09 min Scan# 1888
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

Tgt Ion: 202 Resp: 12428
Ion Ratio Lower Upper
202 100
101 11.6 8.7 13.1
203 17.7 13.8 20.6

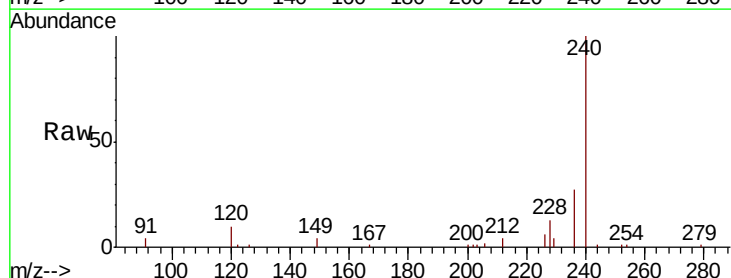


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

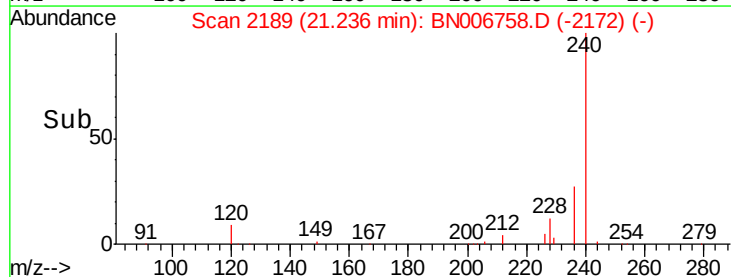
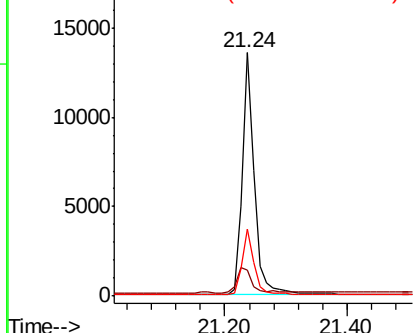


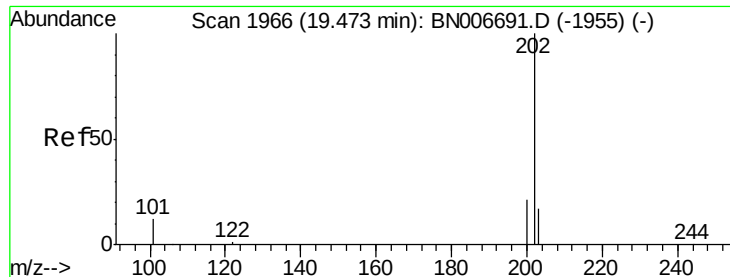
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Tgt Ion: 240 Resp: 18981
Ion Ratio Lower Upper
240 100
120 10.5 12.9 19.3#
236 27.3 23.2 34.8



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

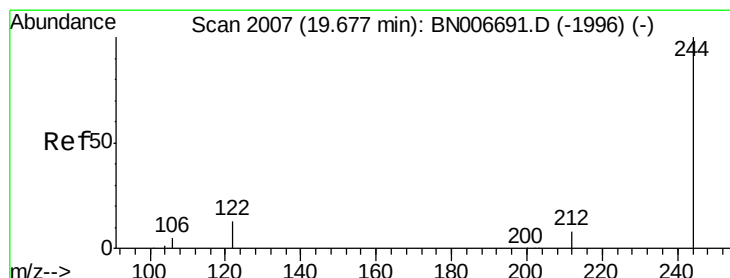
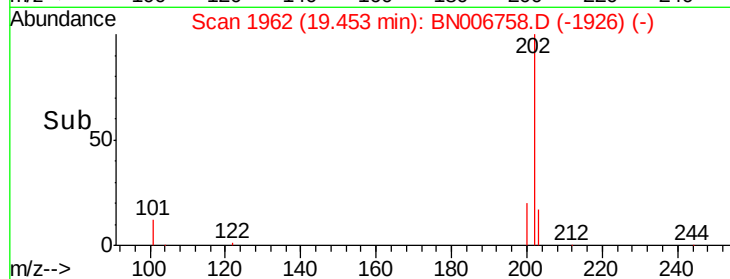
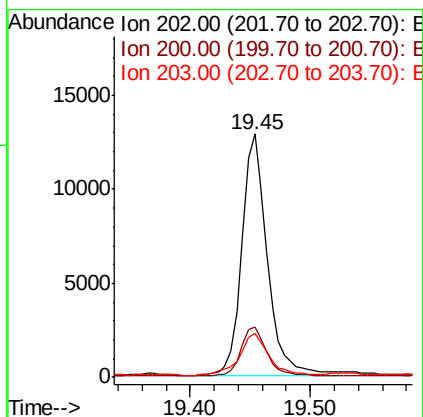
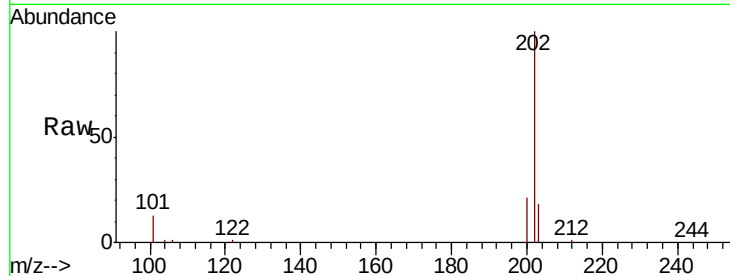




#28
Pyrene
Concen: 0.248 ng
RT: 19.45 min Scan# 1962
Delta R.T. -0.02 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

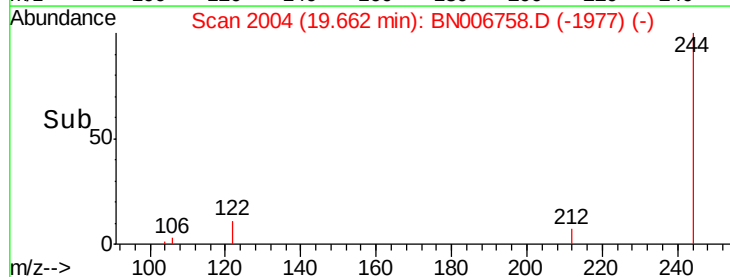
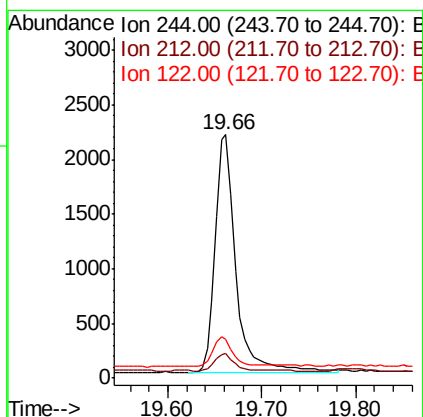
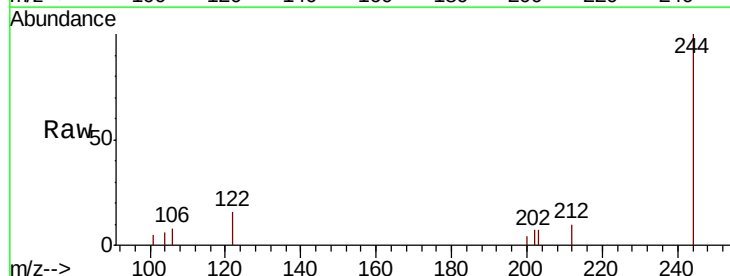
Instrument :
BNA_N
ClientSampleId :
PST-016-B056-062619RE

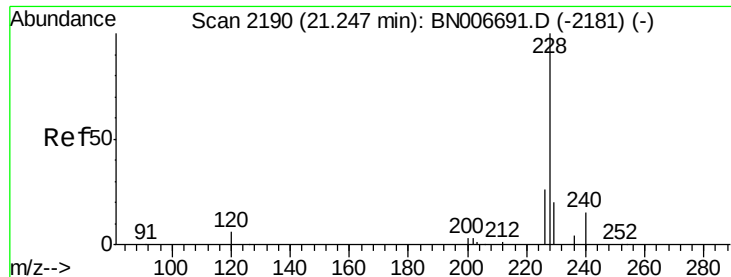
Tgt Ion:202 Resp: 18861
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 19.7 14.2 21.2



#29
Terphenyl-d14
Concen: 0.076 ng
RT: 19.66 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BN006758.D
Acq: 08 Jul 2019 14:55

Tgt Ion:244 Resp: 3328
Ion Ratio Lower Upper
244 100
212 10.0 7.0 10.4
122 15.8 11.5 17.3





#30

Benzo(a)anthracene

Concen: 0.142 ng

RT: 21.28 min Scan# 2193

Delta R.T. 0.03 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

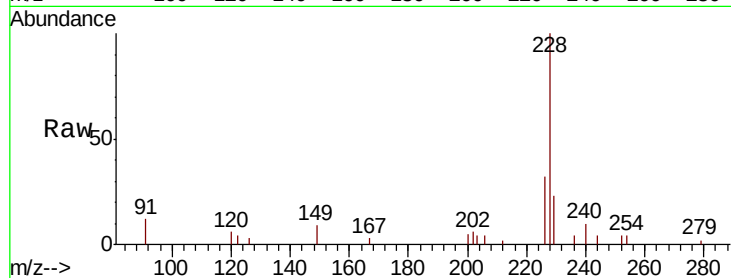
Tgt Ion:228 Resp: 9303

Ion Ratio Lower Upper

228 100

226 32.2 21.5 32.3

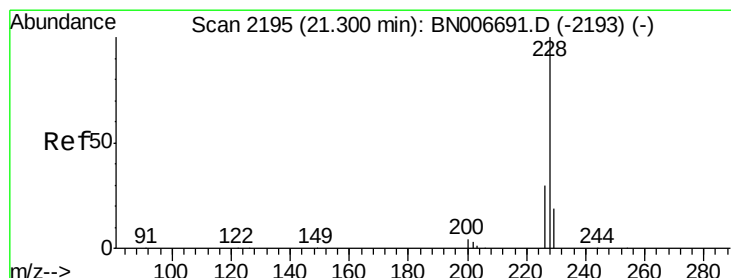
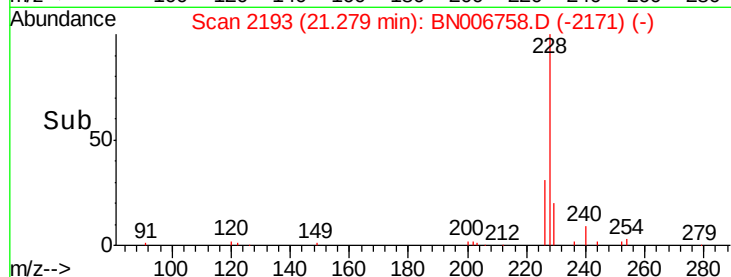
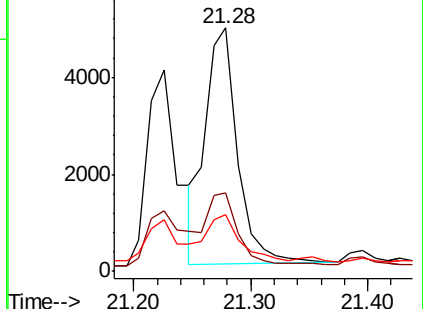
229 23.3 16.2 24.4



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: 0.135 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

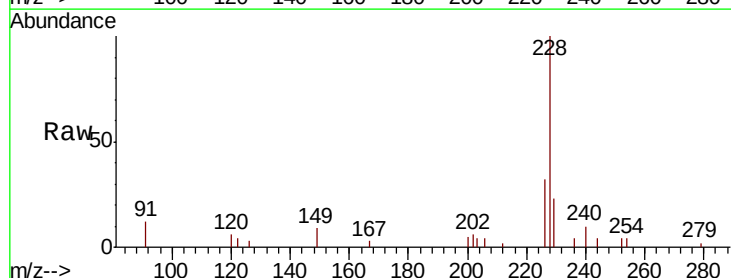
Tgt Ion:228 Resp: 9131

Ion Ratio Lower Upper

228 100

226 32.2 24.2 36.2

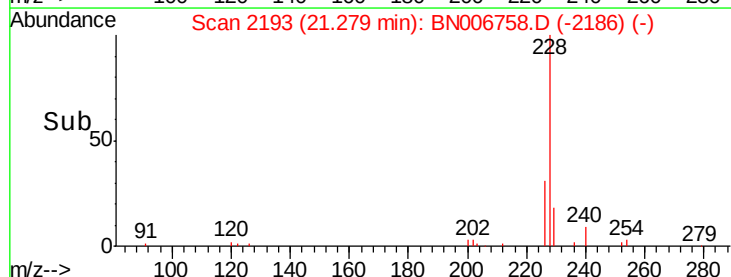
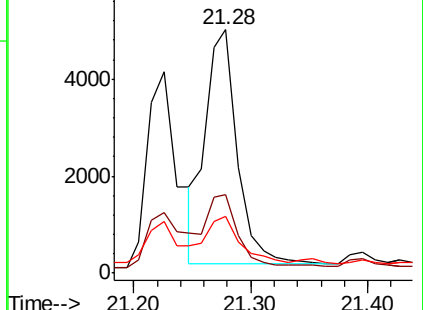
229 23.3 15.8 23.6

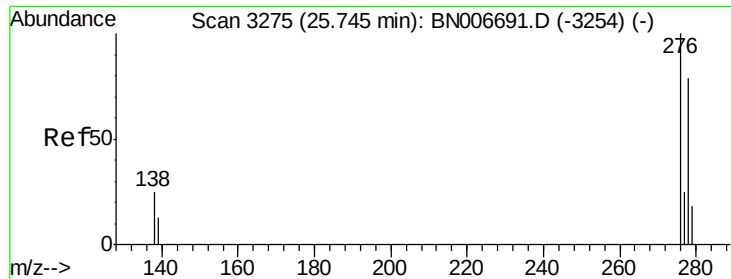


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.056 ng

RT: 25.70 min Scan# 3263

Delta R.T. -0.04 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

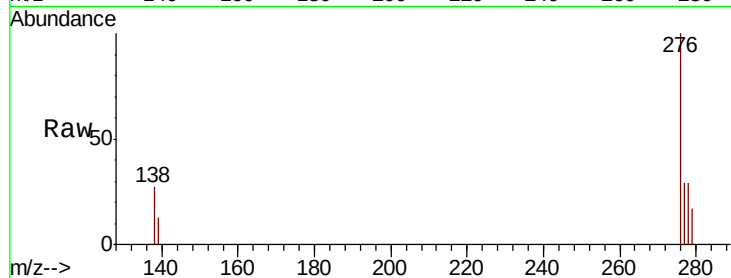
Tgt Ion:276 Resp: 4552

Ion Ratio Lower Upper

276 100

138 18.6 19.5 29.3#

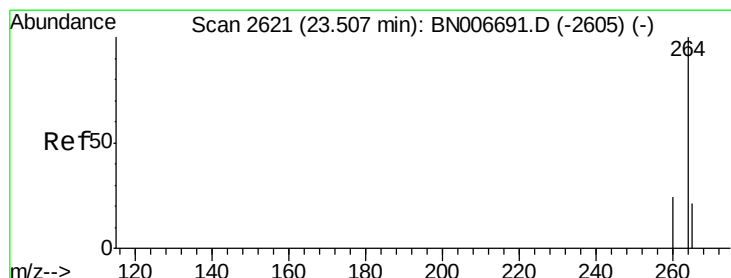
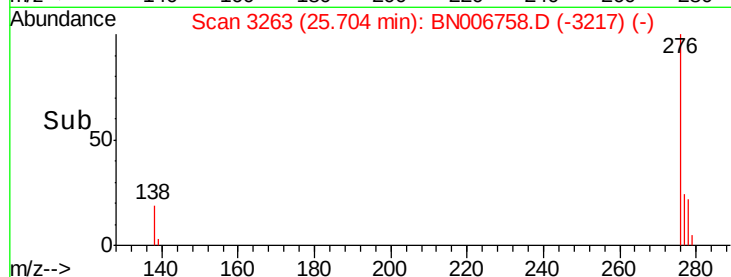
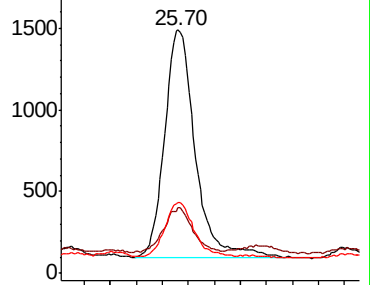
277 22.3 19.7 29.5



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: 23.47 min Scan# 2609

Delta R.T. -0.04 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

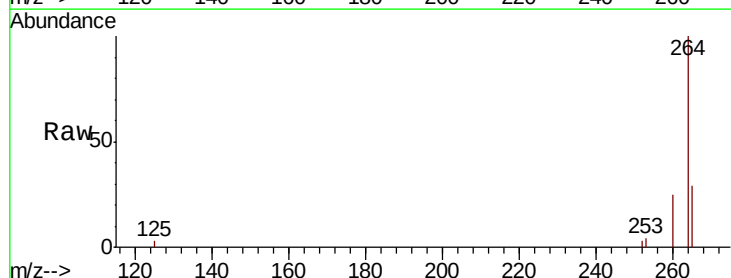
Tgt Ion:264 Resp: 21159

Ion Ratio Lower Upper

264 100

260 25.0 20.2 30.2

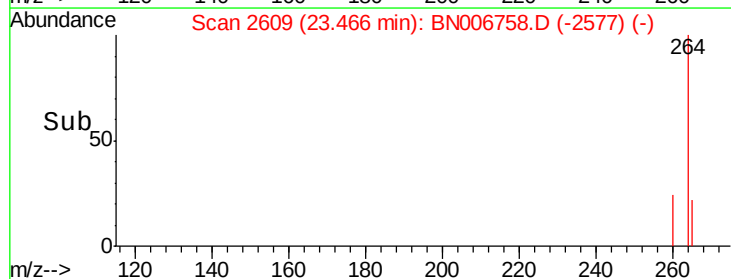
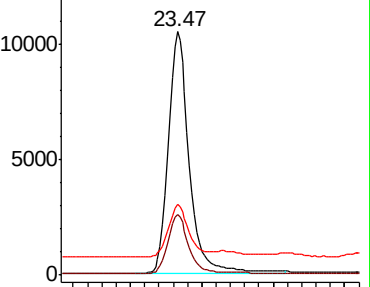
265 29.0 33.7 50.5#

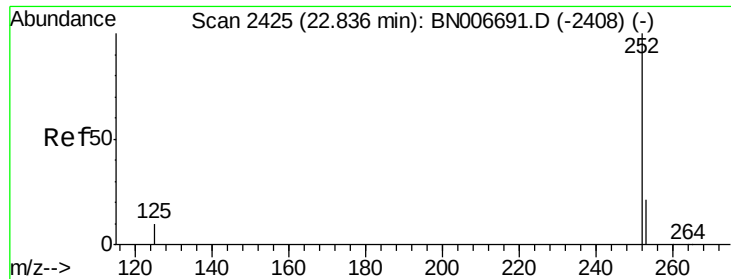


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.132 ng

RT: 22.81 min Scan# 2417

Delta R.T. -0.03 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

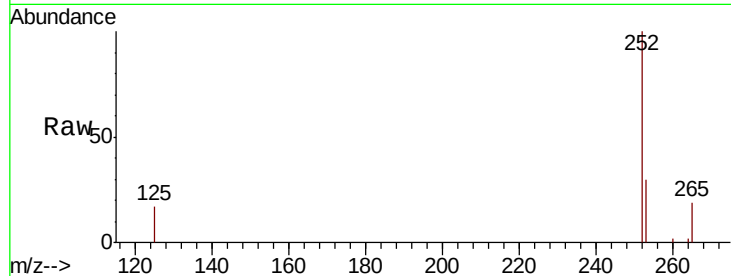
Tgt Ion:252 Resp: 8976

Ion Ratio Lower Upper

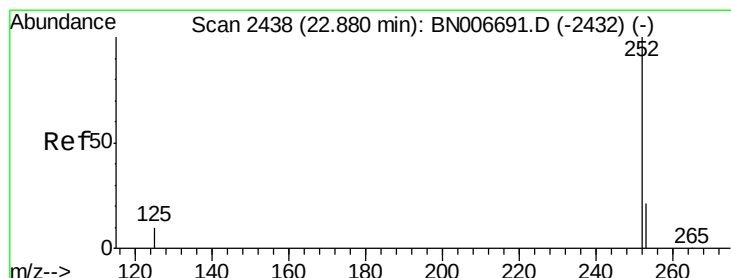
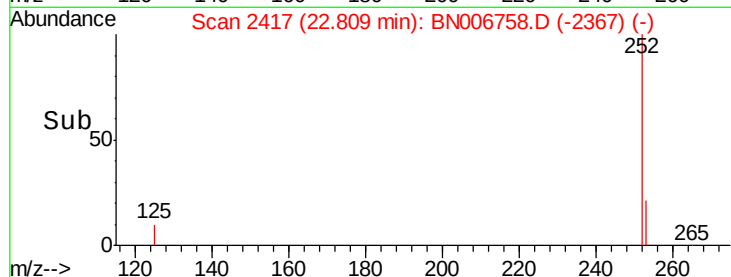
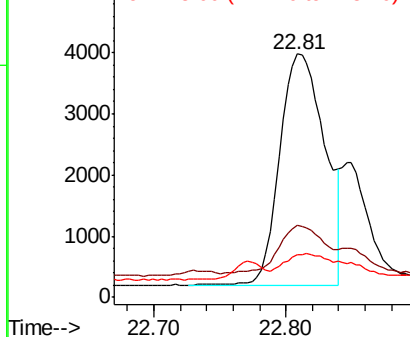
252 100

253 29.5 20.2 30.2

125 17.4 11.5 17.3#



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



#36

Benzo(k)fluoranthene

Concen: 0.122 ng

RT: 22.81 min Scan# 2417

Delta R.T. -0.07 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

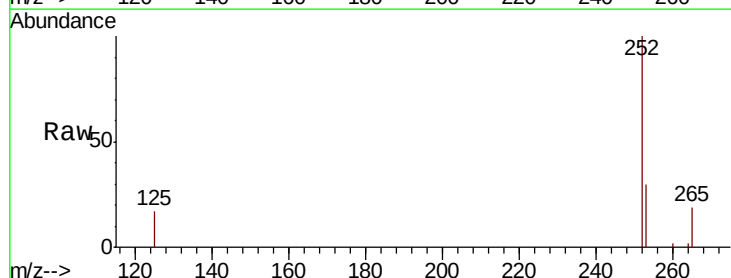
Tgt Ion:252 Resp: 8976

Ion Ratio Lower Upper

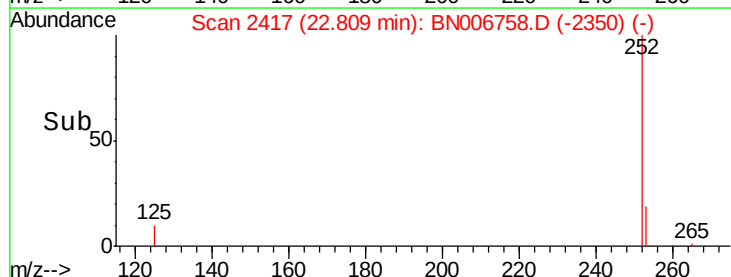
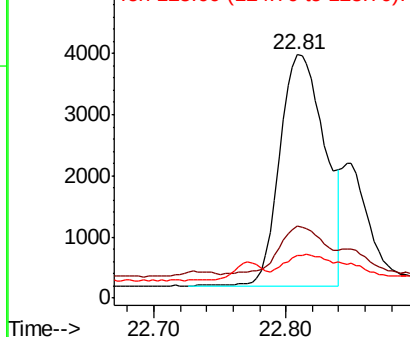
252 100

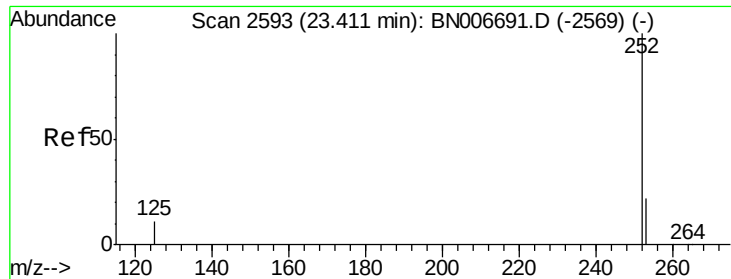
253 29.5 20.1 30.1

125 17.4 11.4 17.0#



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: 0.097 ng

RT: 23.37 min Scan# 2582

Delta R.T. -0.04 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

Instrument :

BNA_N

ClientSampleId :

PST-016-B056-062619RE

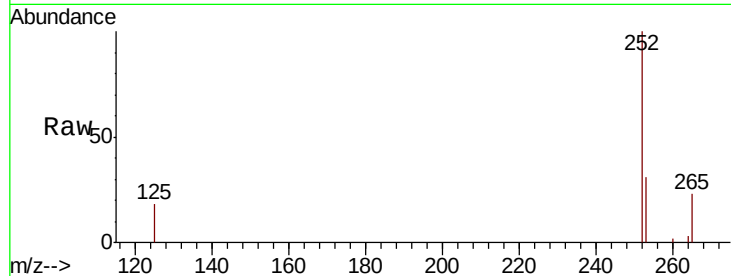
Tgt Ion: 252 Resp: 6404

Ion Ratio Lower Upper

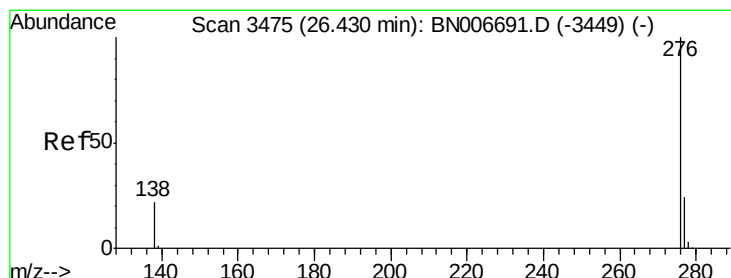
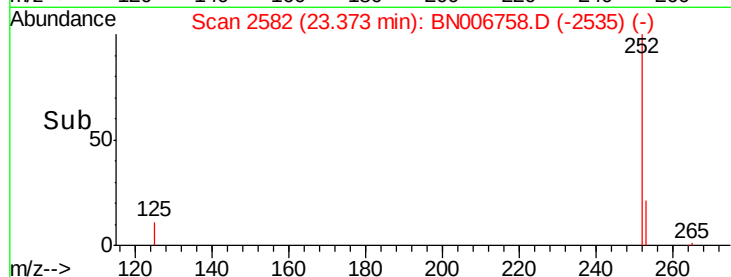
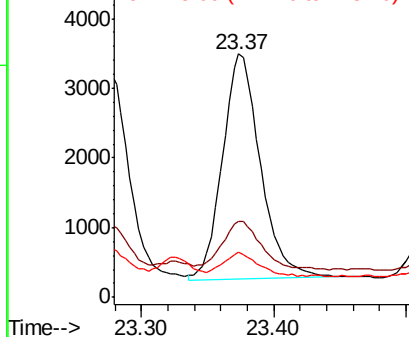
252 100

253 31.3 21.4 32.2

125 18.3 13.3 19.9



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: 0.079 ng

RT: 26.38 min Scan# 3461

Delta R.T. -0.05 min

Lab File: BN006758.D

Acq: 08 Jul 2019 14:55

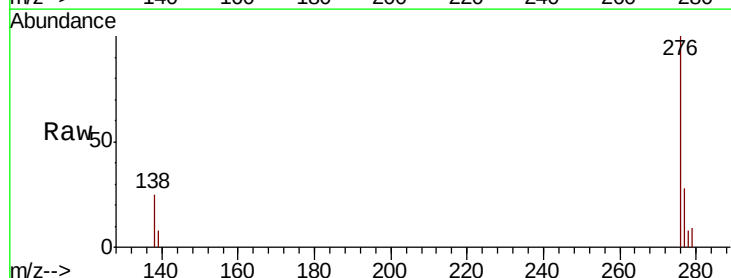
Tgt Ion: 276 Resp: 5320

Ion Ratio Lower Upper

276 100

277 28.3 20.6 30.8

138 25.5 19.7 29.5



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

