

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004861.D
 Acq On : 21 Mar 2019 21:45
 Operator : JU/SJ
 Sample : K1817-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW010-2-030619

Quant Time: Mar 22 02:02:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1802	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	8286	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	5316	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	14090	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19944	0.40	ng	0.00
34) Perylene-d12	23.54	264	21968	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	2022	0.41	ng	0.00
5) Phenol-d6	6.87	99	2751	0.45	ng	0.00
8) Nitrobenzene-d5	8.87	82	1945	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	5117	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1173	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	7914	0.36	ng	0.00
25) Fluoranthene-d10	19.13	212	15676	0.33	ng	0.00
29) Terphenyl-d14	19.72	244	12173	0.30	ng	0.00

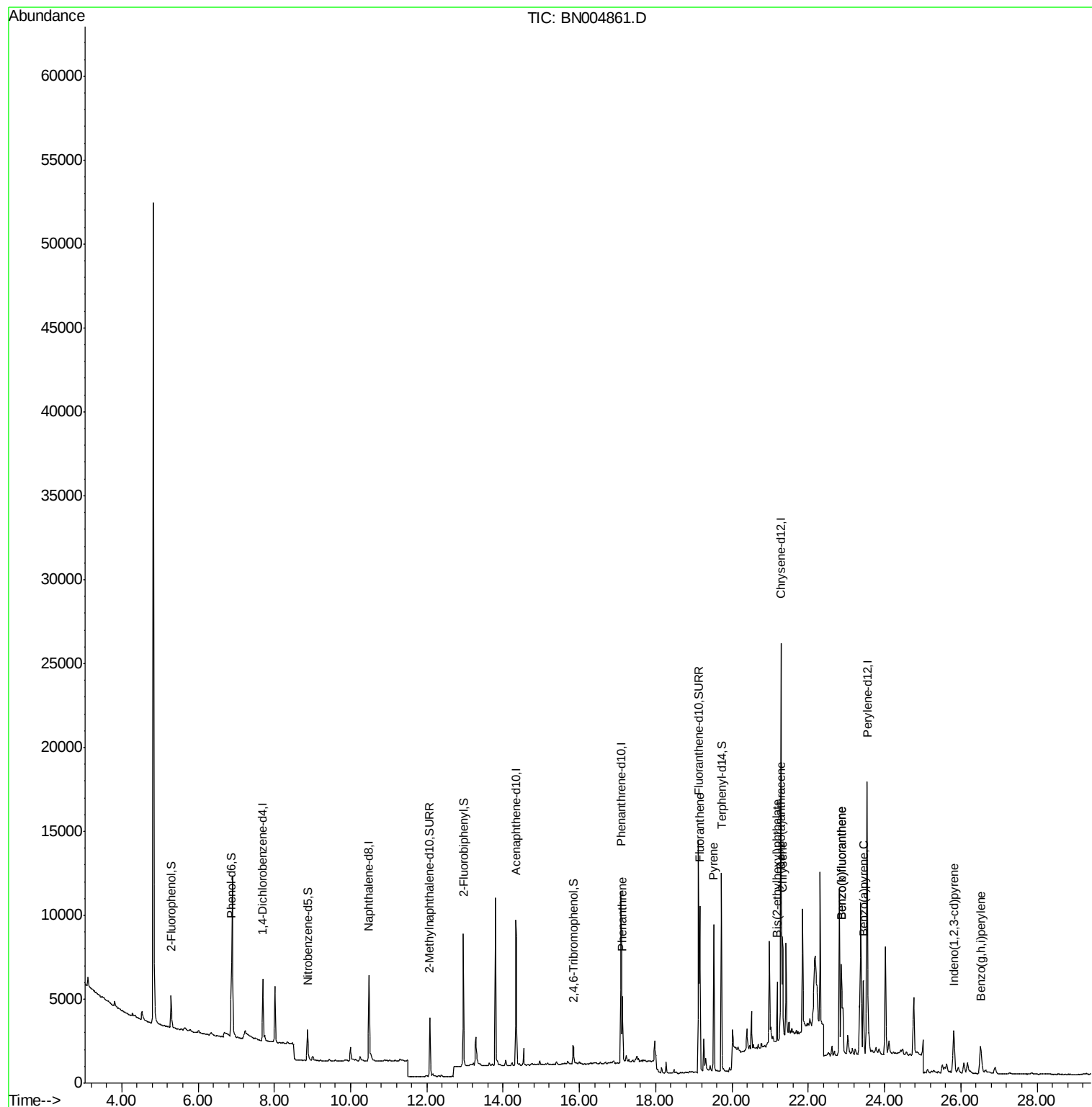
Target Compounds				Qvalue		
23) Phenanthrene	17.13	178	3997	0.088	ng	98
26) Fluoranthene	19.16	202	8872	0.152	ng	# 97
28) Pyrene	19.52	202	8044	0.132	ng	97
30) Benzo(a)anthracene	21.27	228	6463	0.099	ng	94
31) Chrysene	21.32	228	5691	0.083	ng	93
32) Bis(2-ethylhexyl)phthalate	21.18	149	2892	0.111	ng	99
33) Indeno(1,2,3-cd)pyrene	25.82	276	4090	0.041	ng	98
35) Benzo(b)fluoranthene	22.86	252	7598	0.096	ng	# 71
36) Benzo(k)fluoranthene	22.86	252	7598	0.097	ng	# 72
37) Benzo(a)pyrene	23.45	252	5981	0.082	ng	# 77
39) Benzo(a,h,i)perylene	26.52	276	3808	0.044	ng	# 86

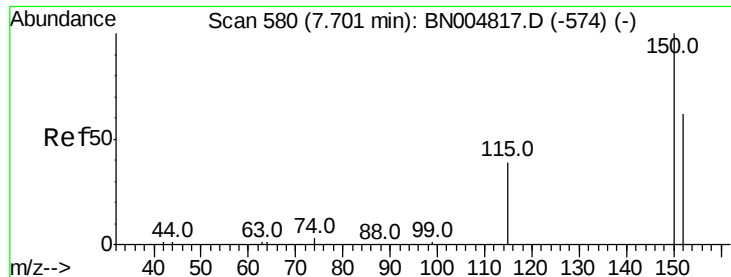
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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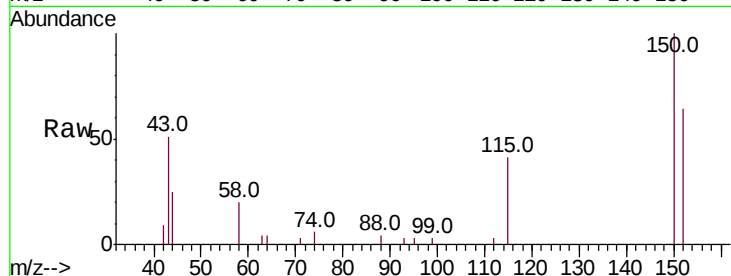


#1

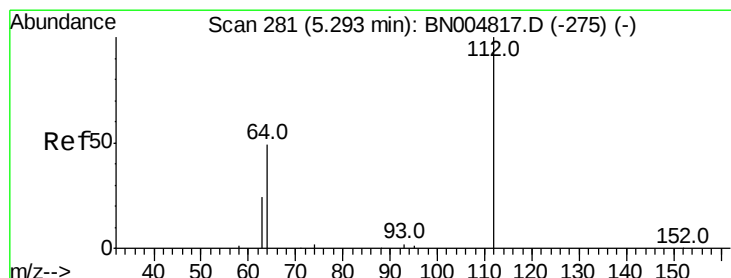
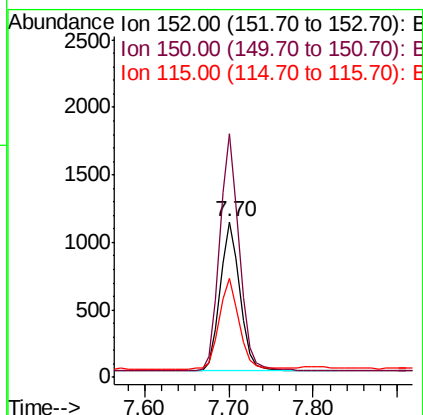
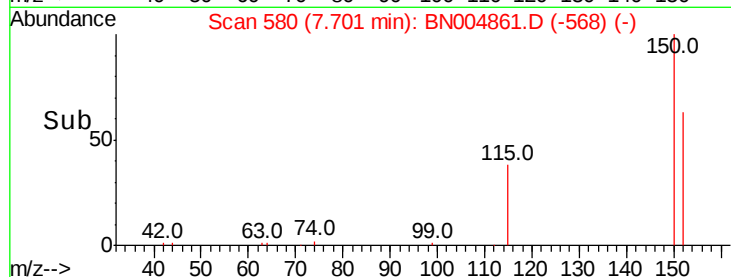
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

Tot Ion:152 Resp: 1802
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.4
115 63.5 52.6 79.0



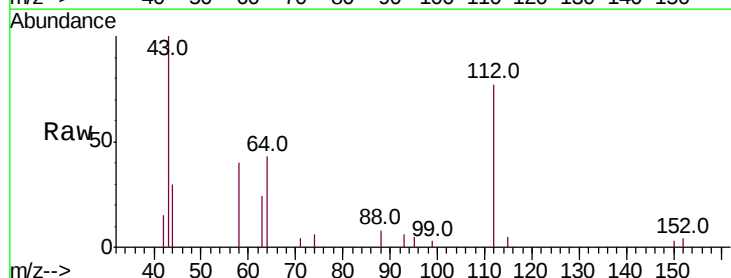
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



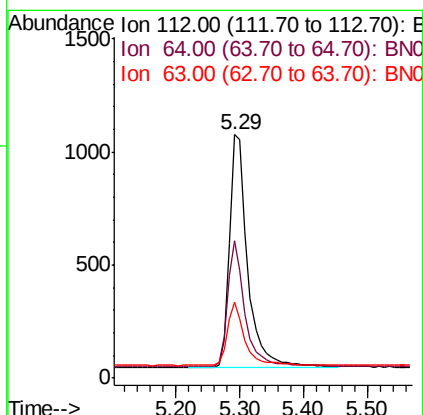
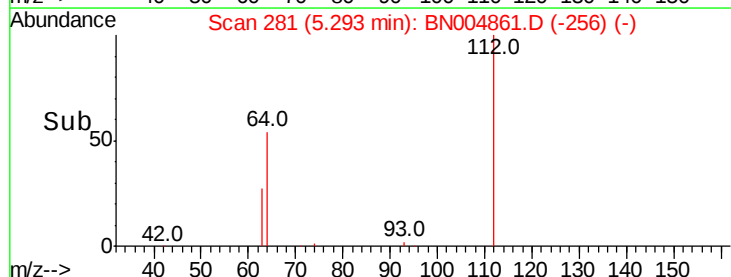
#4

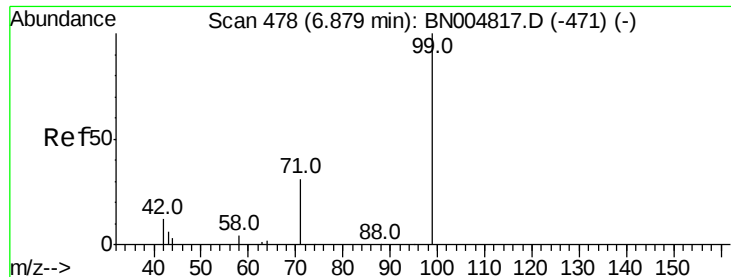
2-Fluorophenol
Concen: 0.413 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion:112 Resp: 2022
Ion Ratio Lower Upper
112 100
64 50.4 40.0 60.0
63 25.7 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.451 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

ClientSampleId :

PST-027-SW010-2-030619

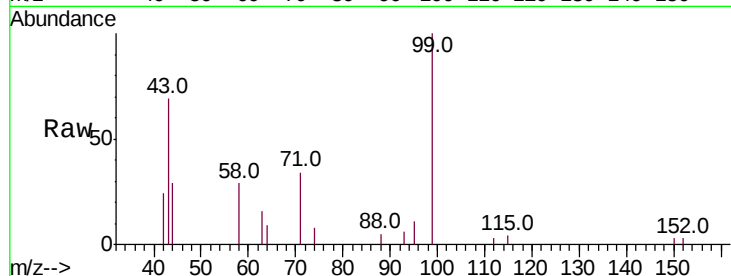
Tot Ion: 99 Resp: 2751

Ion Ratio Lower Upper

99 100

42 33.6 12.7 19.1#

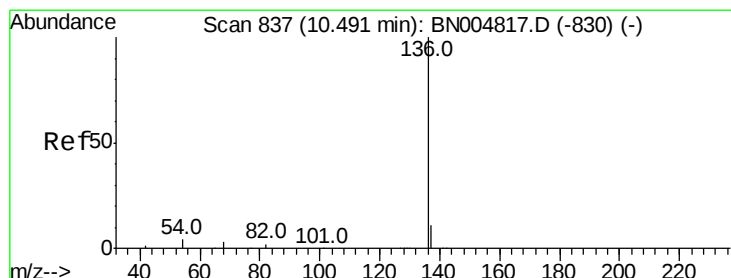
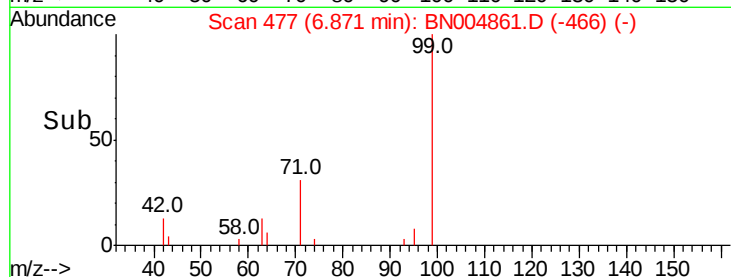
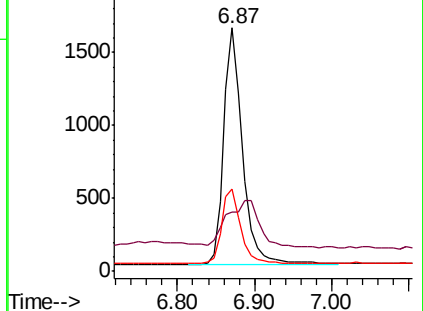
71 31.9 26.6 40.0



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

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

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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Tgt Ion: 136 Resp: 8286

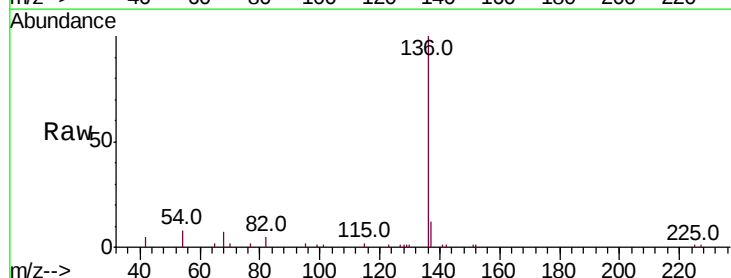
Ion Ratio Lower Upper

136 100

137 12.1 9.6 14.4

54 8.3 4.2 6.2#

68 7.1 3.9 5.9#

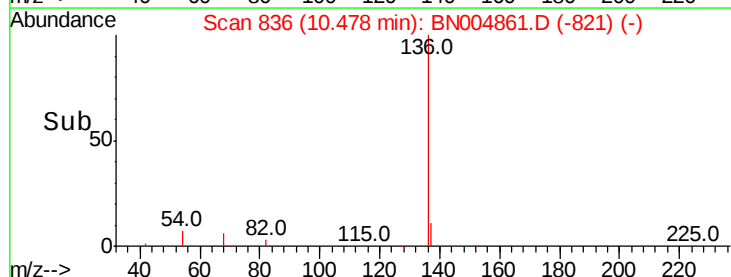
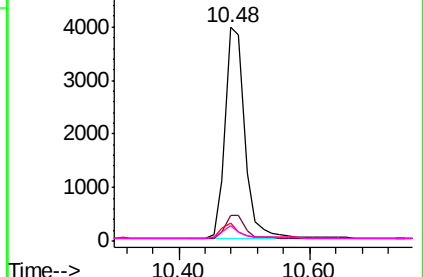


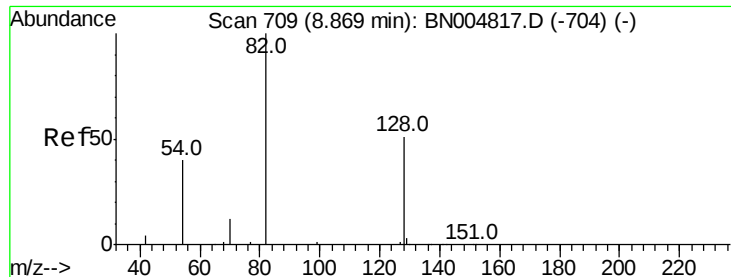
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)





#8

Nitrobenzene-d5

Concen: 0.355 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

ClientSampleId :

PST-027-SW010-2-030619

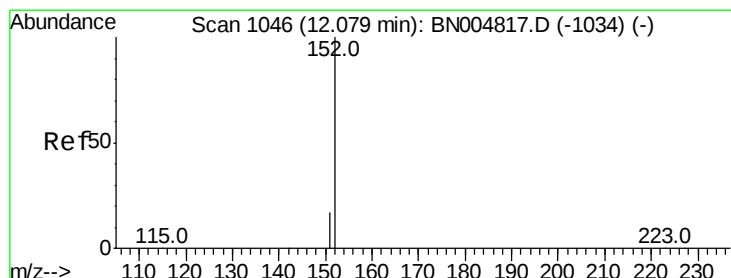
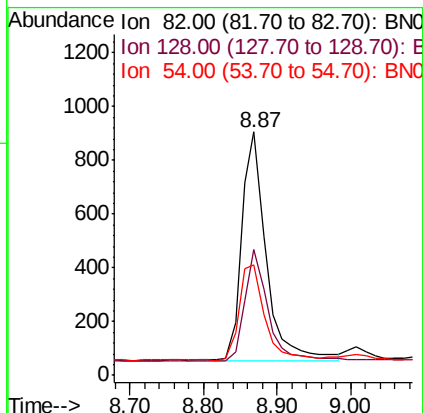
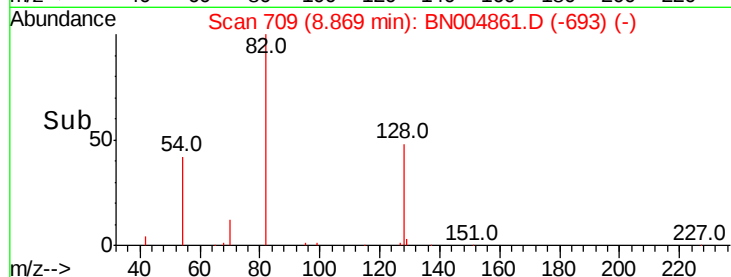
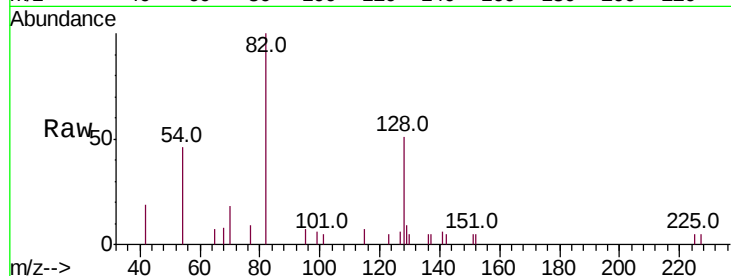
Tot Ion: 82 Resp: 1945

Ion Ratio Lower Upper

82 100

128 51.4 43.0 64.6

54 45.6 35.3 52.9



#11

2-Methylnaphthalene-d10

Concen: 0.354 ng

RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004861.D

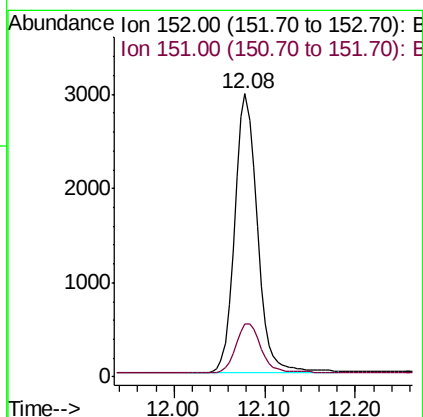
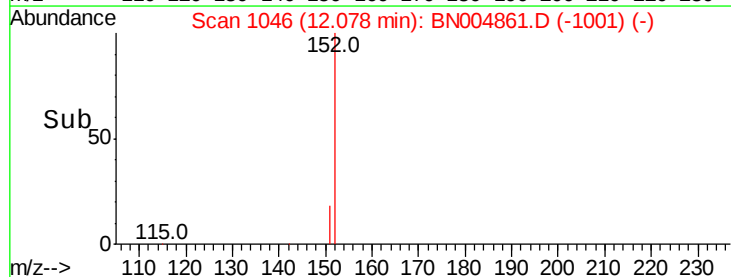
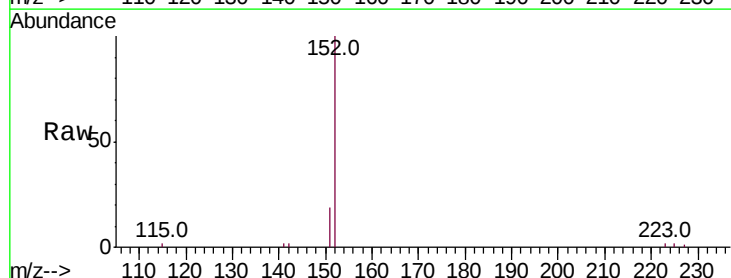
Acq: 21 Mar 2019 21:45

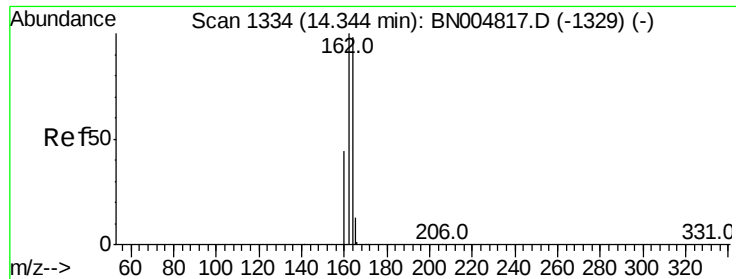
Tgt Ion: 152 Resp: 5117

Ion Ratio Lower Upper

152 100

151 19.2 15.5 23.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

ClientSampleId :

PST-027-SW010-2-030619

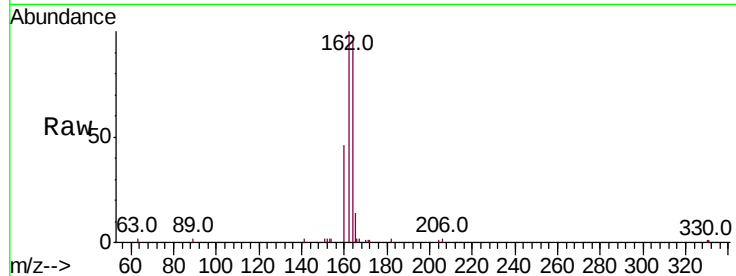
Tot Ion:164 Resp: 5316

Ion Ratio Lower Upper

164 100

162 105.6 81.9 122.9

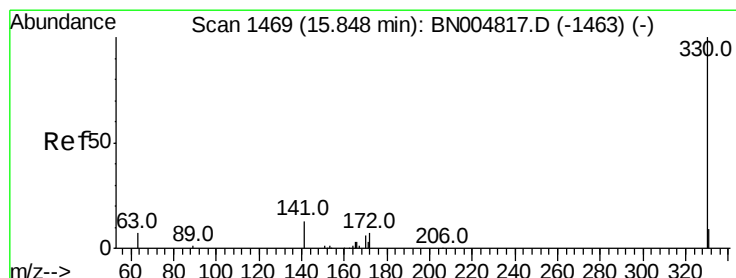
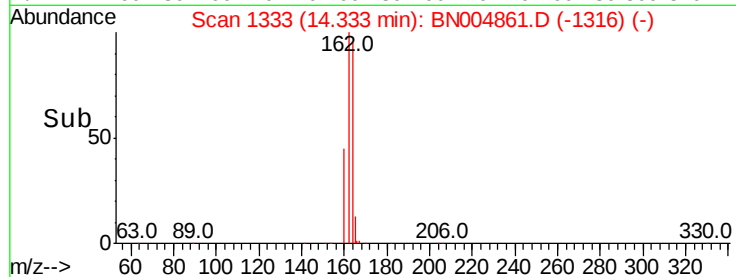
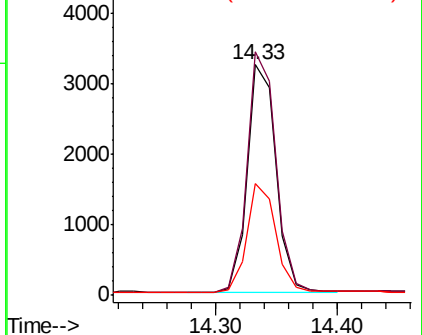
160 48.7 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.319 ng

RT: 15.85 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

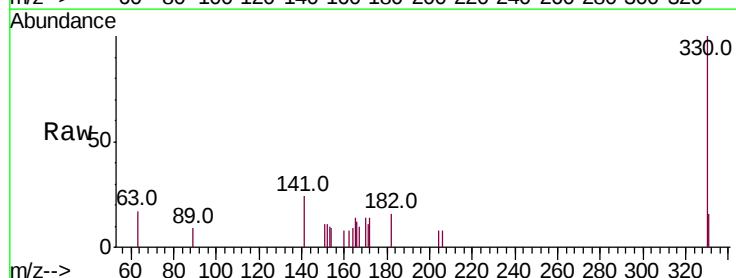
Tgt Ion:330 Resp: 1173

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

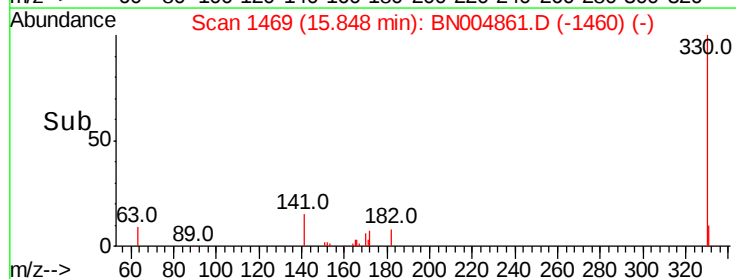
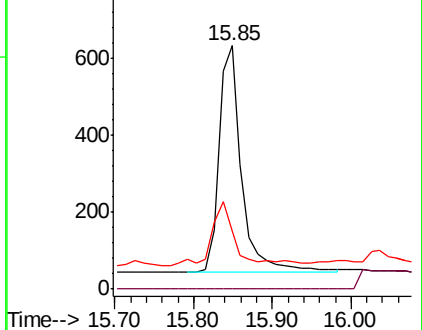
141 31.1 20.9 31.3

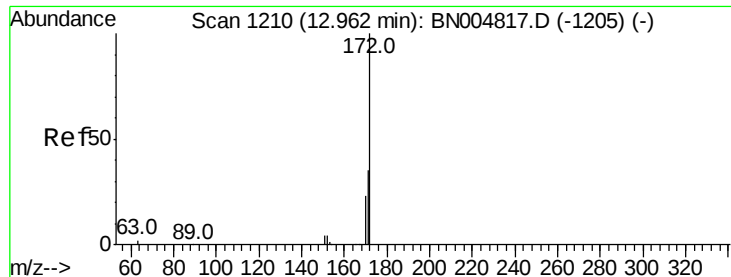


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

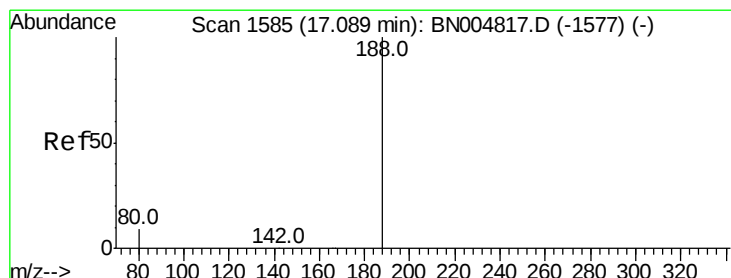
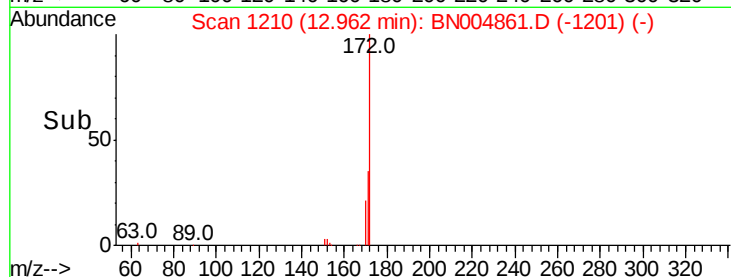
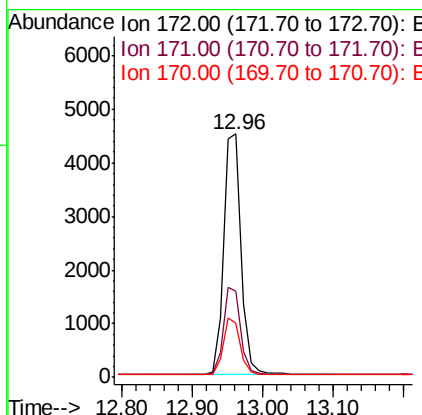
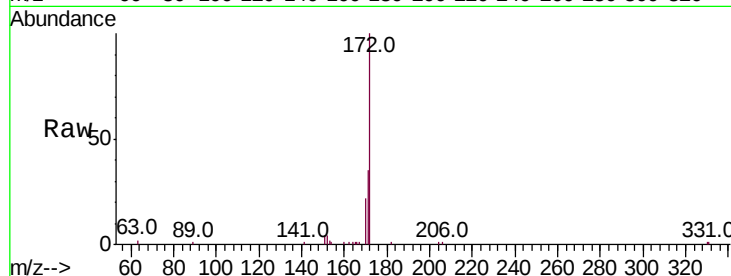




#15
 2-Fluorobiphenyl
 Concen: 0.360 ng
 RT: 12.96 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BN004861.D
 Acq: 21 Mar 2019 21:45

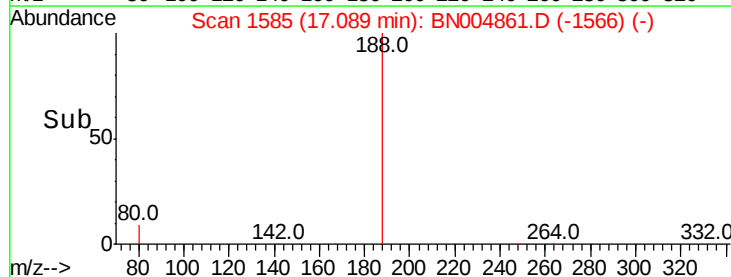
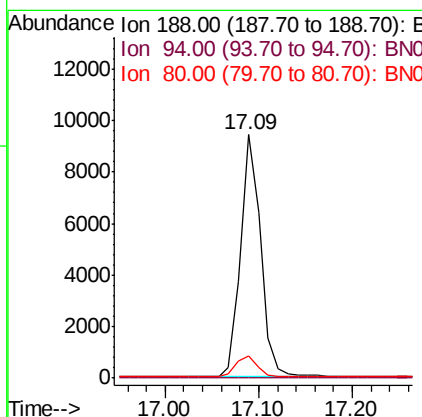
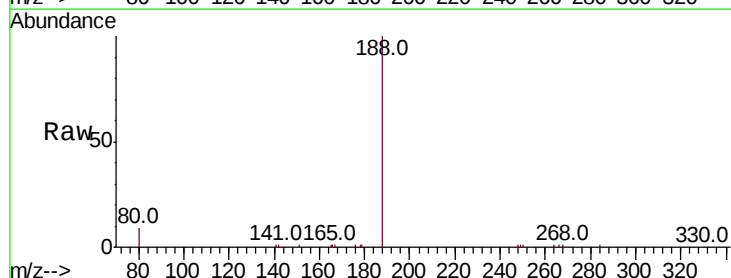
Instrument :
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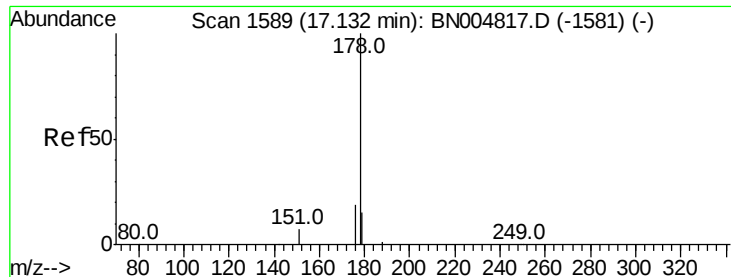
Tot Ion:172 Resp: 7914
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.7 43.1
 170 22.2 18.7 28.1



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.09 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BN004861.D
 Acq: 21 Mar 2019 21:45

Tgt Ion:188 Resp: 14090
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 9.2 7.4 11.2





#23

Phenanthrene

Concen: 0.088 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

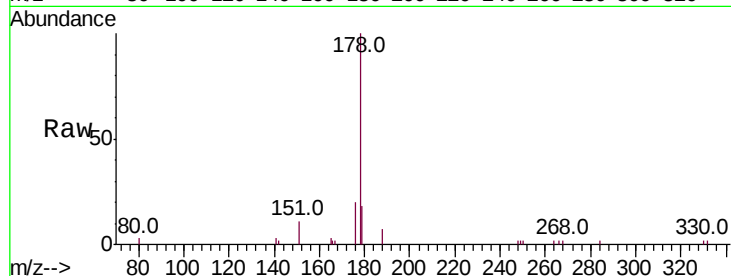
Instrument :

BNA_N

ClientSampleId :

PST-027-SW010-2-030619

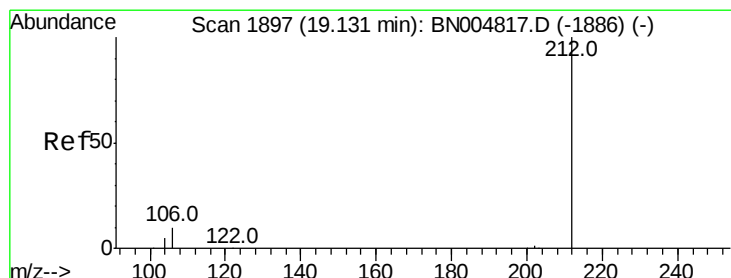
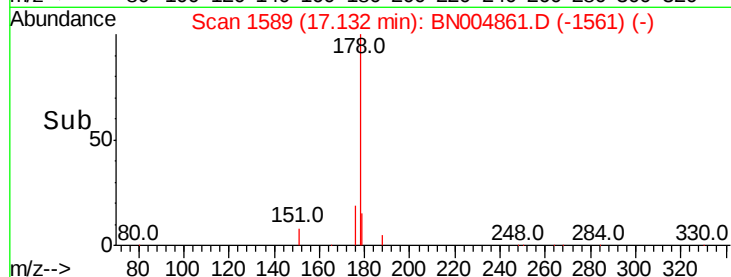
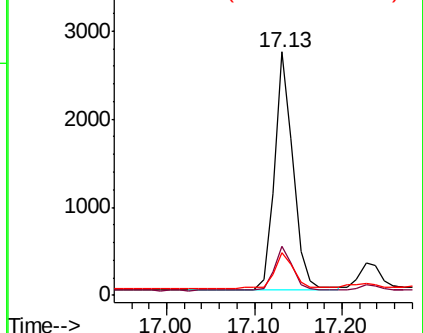
Tot	Ion:178	Resp:	3997
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	16.3	12.1	18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.332 ng

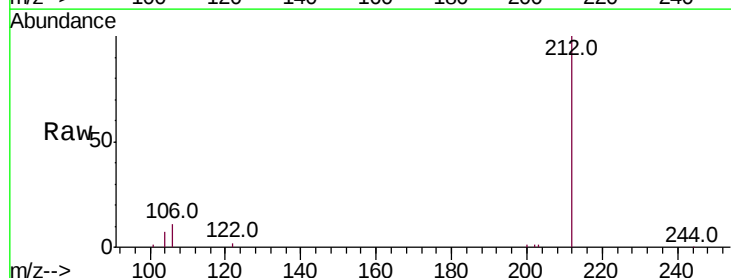
RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

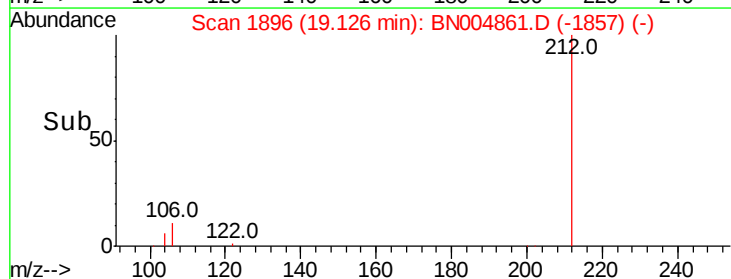
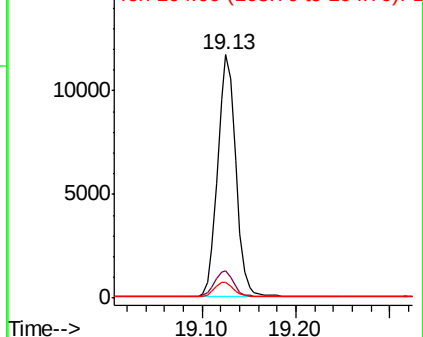
Tgt	Ion:212	Resp:	15676
Ion	Ratio	Lower	Upper
212	100		
106	11.5	8.6	13.0
104	6.3	4.7	7.1

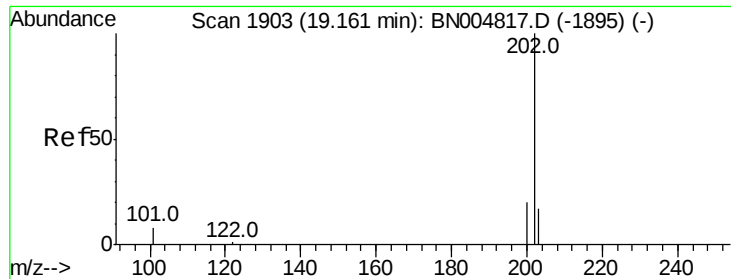


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

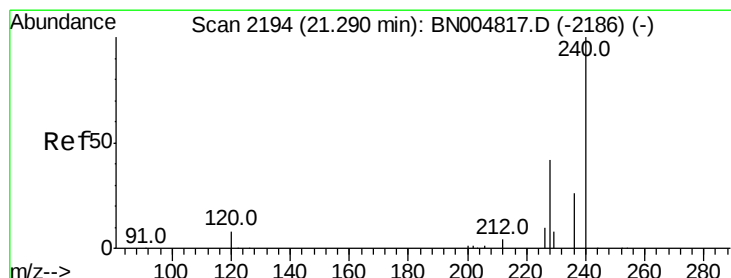
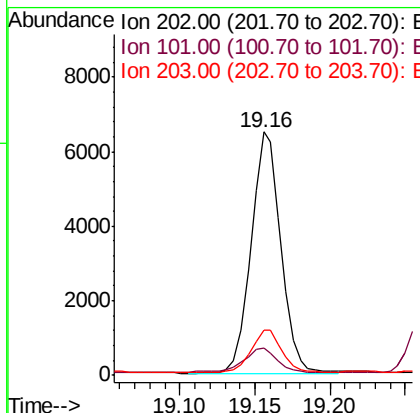
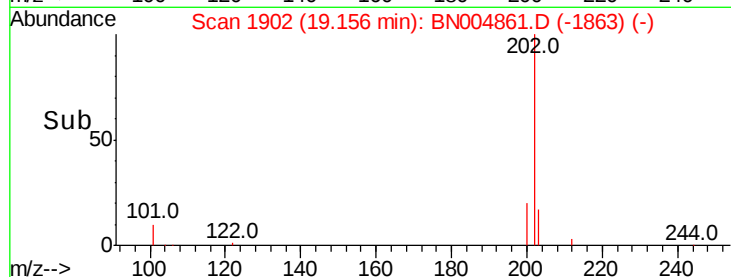
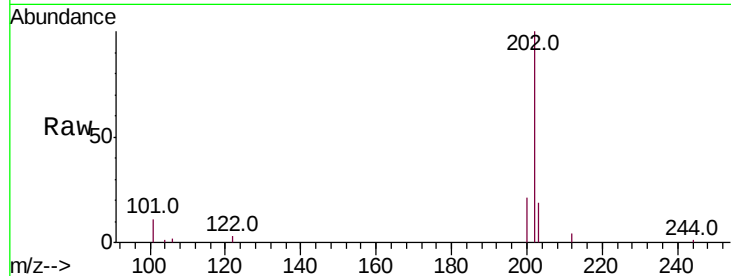




#26
 Fluoranthene
 Concen: 0.152 ng
 RT: 19.16 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: BN004861.D
 Acq: 21 Mar 2019 21:45

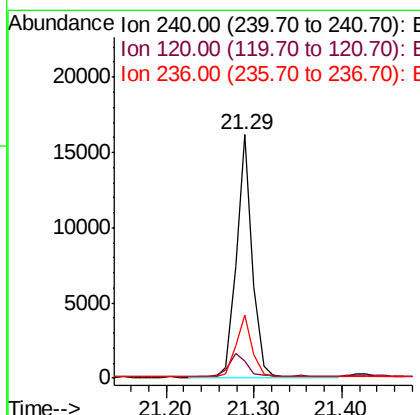
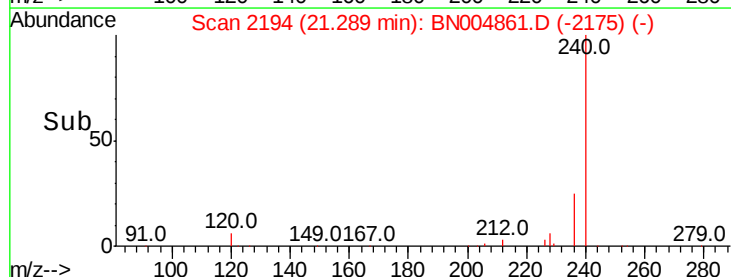
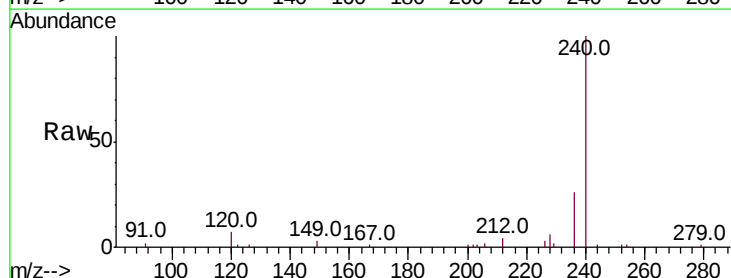
Instrument :
 BNA_N
 ClientSampleId :
 PST-027-SW010-2-030619

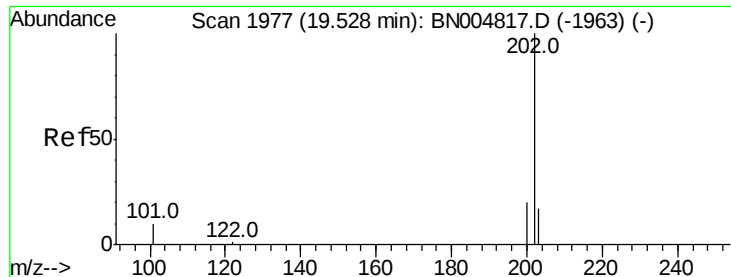
Tot Ion:202 Resp: 8872
 Ion Ratio Lower Upper
 202 100
 101 12.1 7.5 11.3#
 203 17.7 13.8 20.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BN004861.D
 Acq: 21 Mar 2019 21:45

Tgt Ion:240 Resp: 19944
 Ion Ratio Lower Upper
 240 100
 120 6.9 7.2 10.8#
 236 25.8 20.9 31.3

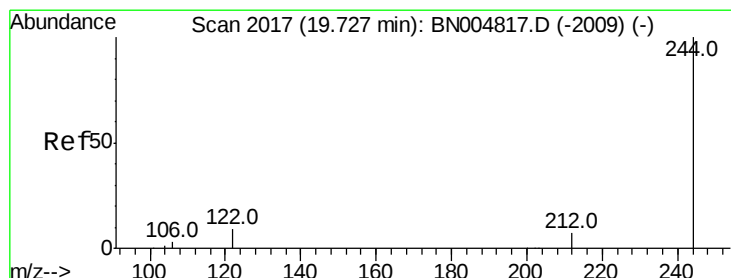
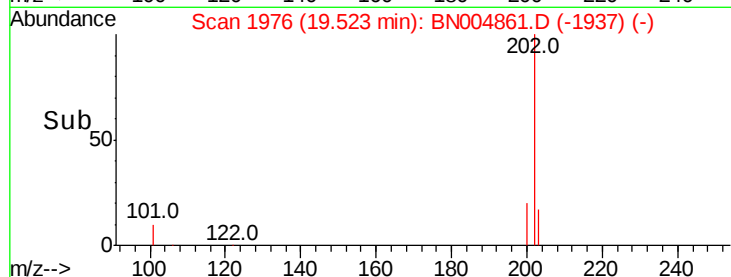
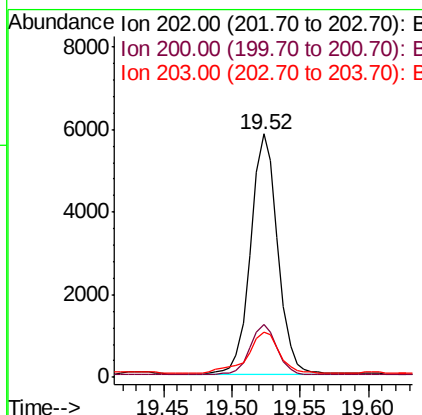
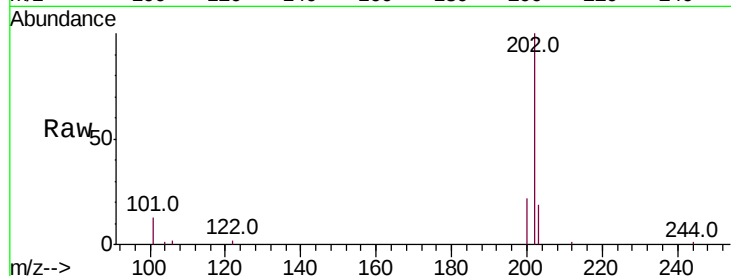




#28
Pvrene
Concen: 0.132 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

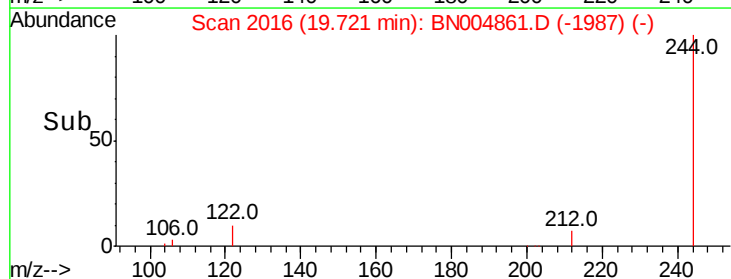
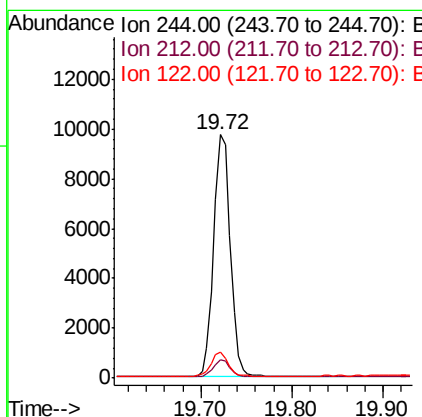
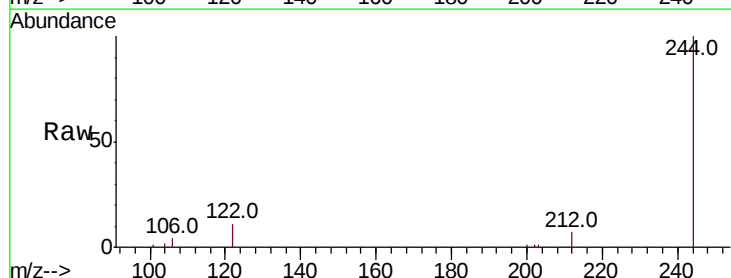
Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

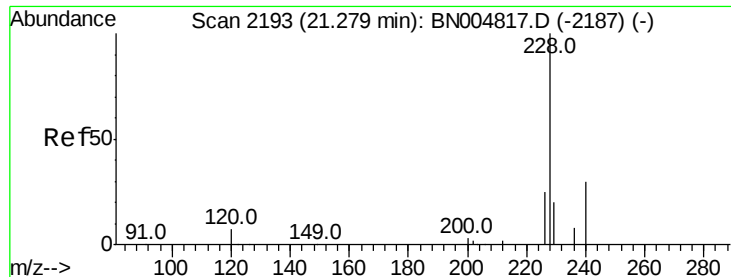
Tot Ion:202 Resp: 8044
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 20.1 14.0 21.0



#29
Terphenyl-d14
Concen: 0.298 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion:244 Resp: 12173
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 10.6 7.9 11.9

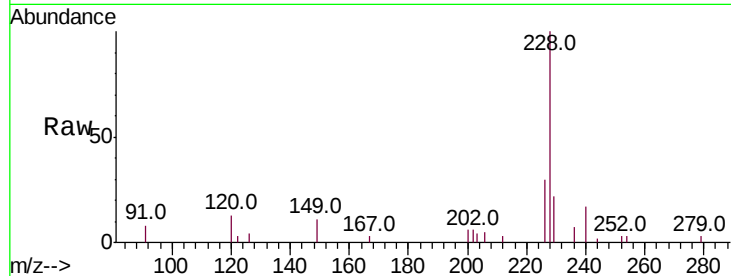




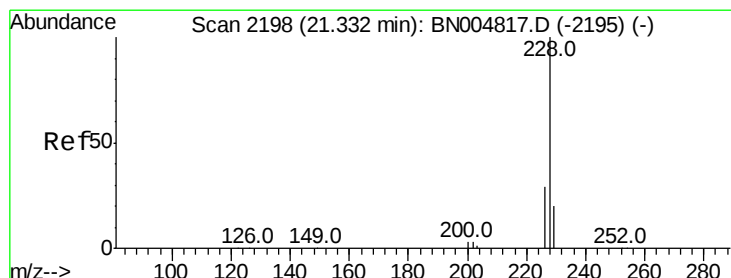
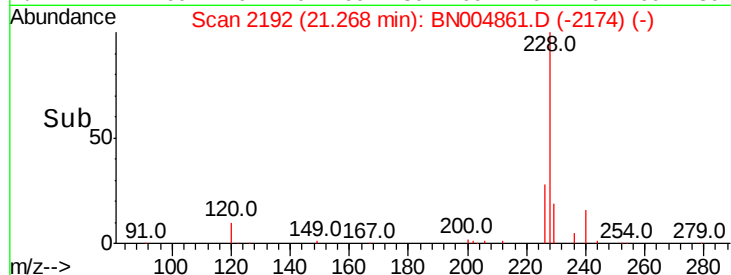
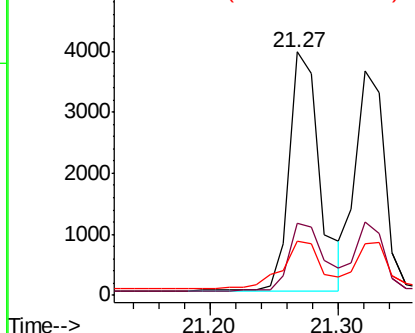
#30
Benzo(a)anthracene
Concen: 0.099 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

Tot Ion:228 Resp: 6463
Ion Ratio Lower Upper
228 100
226 29.8 20.6 31.0
229 22.5 16.2 24.4

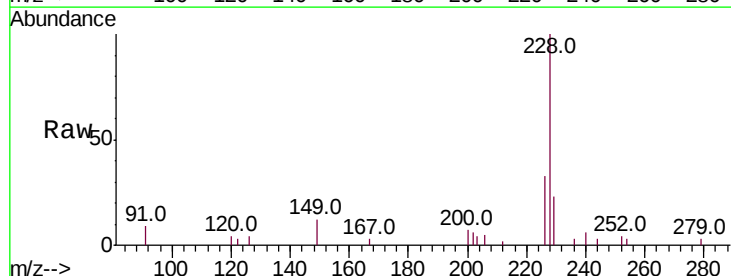


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

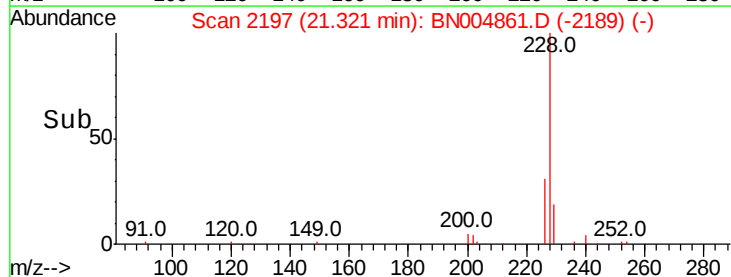
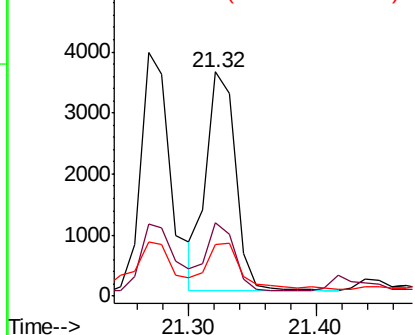


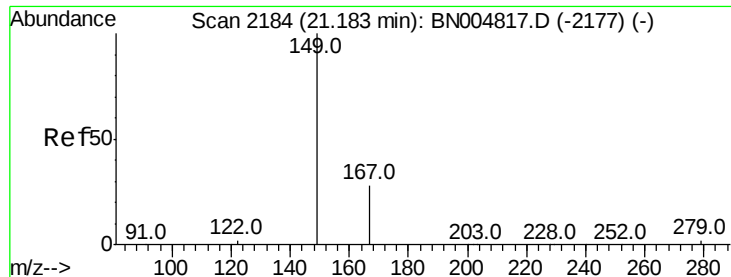
#31
Chrysene
Concen: 0.083 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion:228 Resp: 5691
Ion Ratio Lower Upper
228 100
226 32.7 23.0 34.6
229 22.9 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.111 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

ClientSampleId :

PST-027-SW010-2-030619

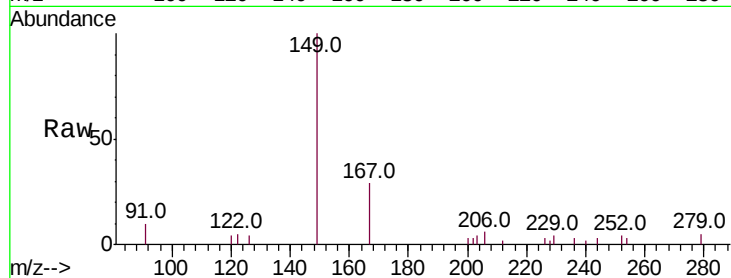
Tot Ion:149 Resp: 2892

Ion Ratio Lower Upper

149 100

167 27.9 23.0 34.4

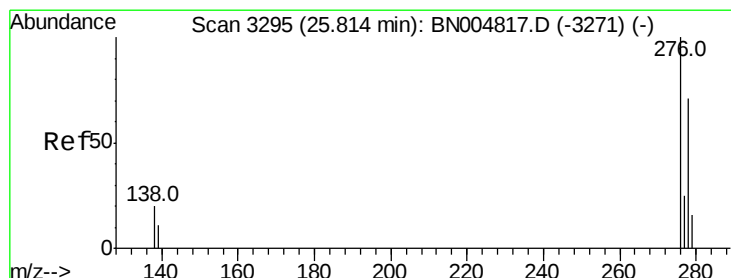
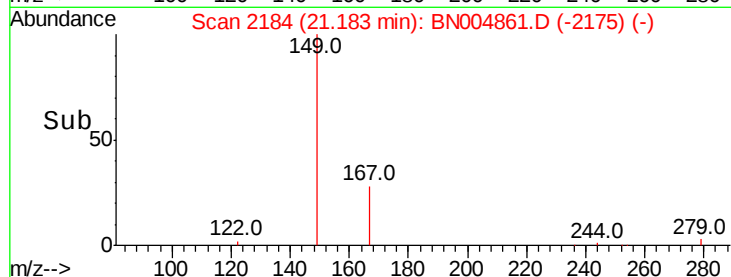
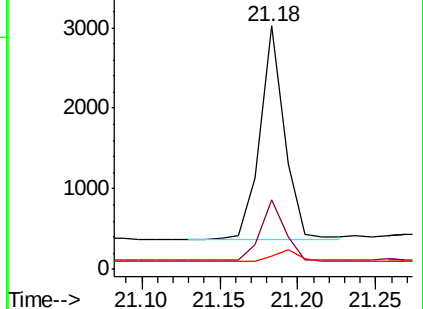
279 5.6 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.041 ng

RT: 25.82 min Scan# 3296

Delta R.T. 0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

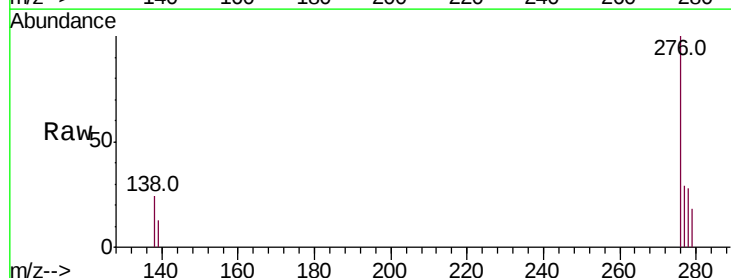
Tgt Ion:276 Resp: 4090

Ion Ratio Lower Upper

276 100

138 19.7 16.6 24.8

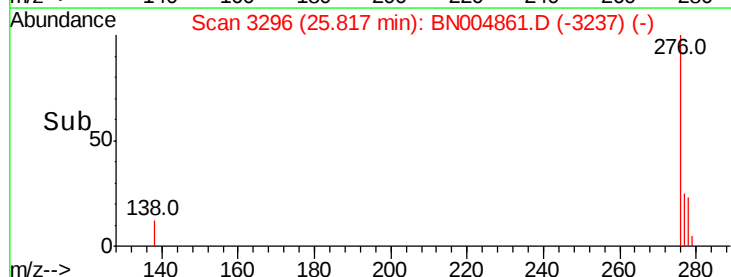
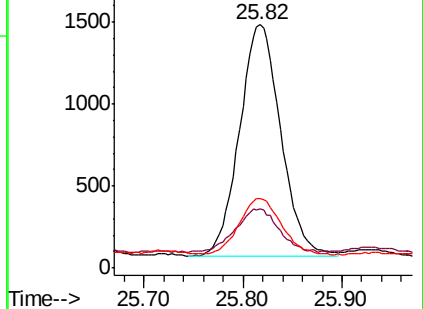
277 24.4 20.3 30.5

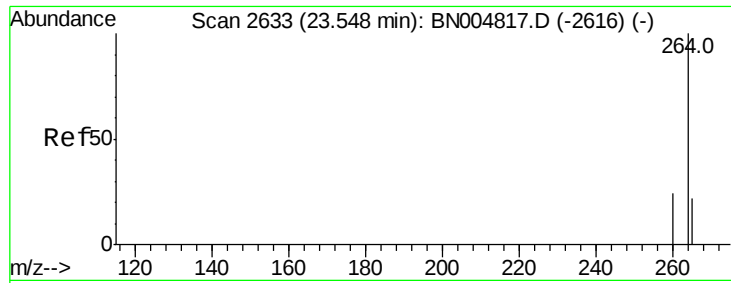


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



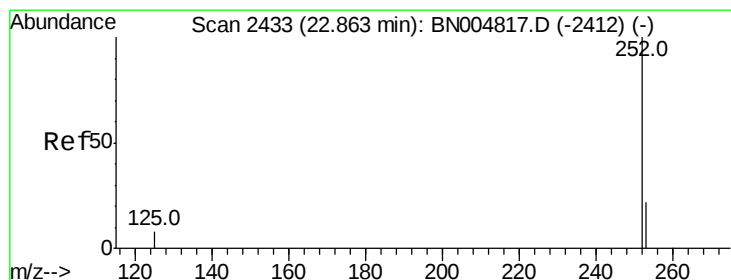
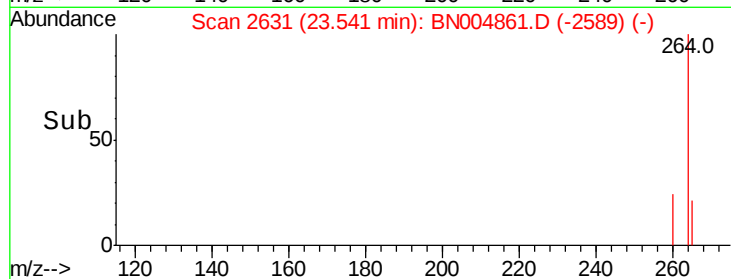
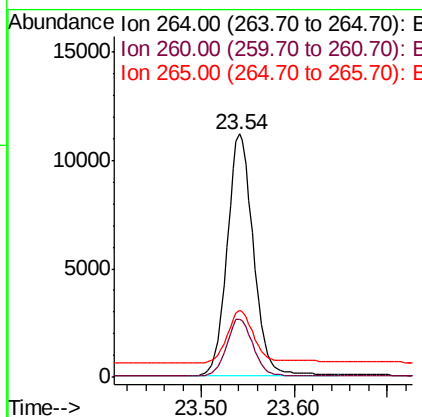
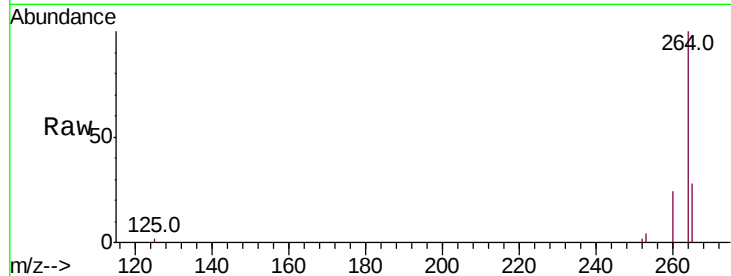


#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2631
Delta R.T. -0.01 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

Tot Ion:264 Resp: 21968

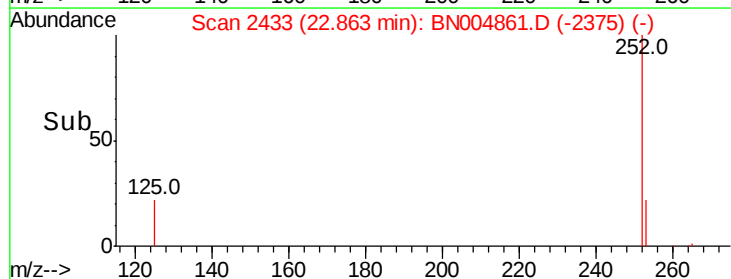
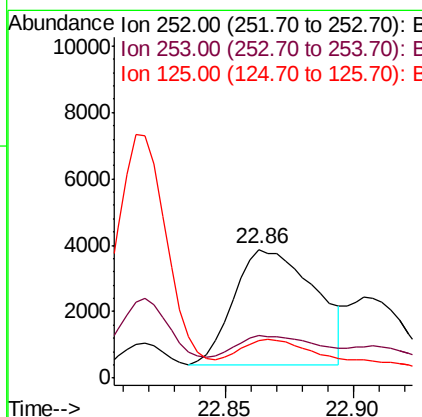
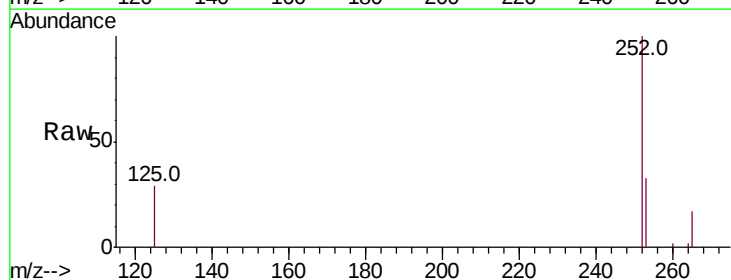
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	27.5	23.1	34.7

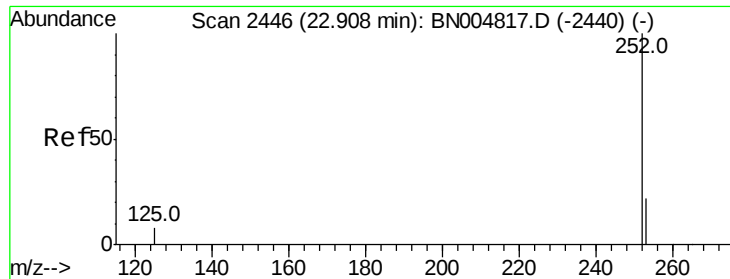


#35
Benzo(b)fluoranthene
Concen: 0.096 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion:252 Resp: 7598

Ion	Ratio	Lower	Upper
252	100		
253	32.9	19.0	28.4#
125	29.1	7.4	11.2#

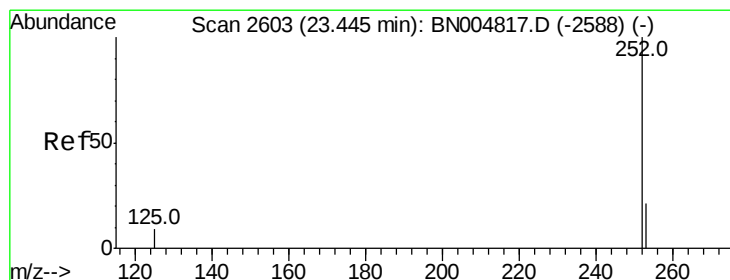
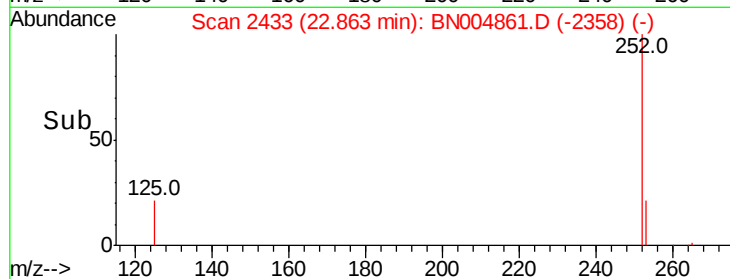
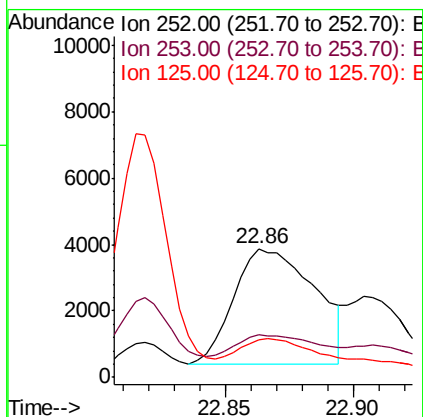
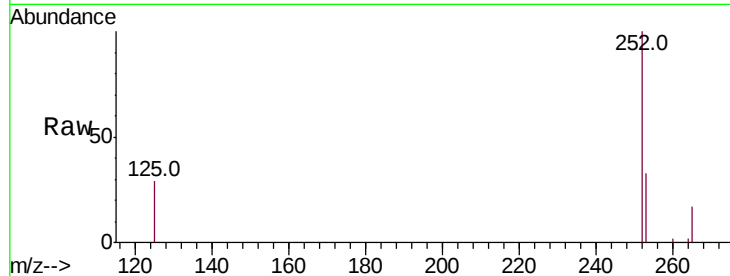




#36
Benzo(k)fluoranthene
Concen: 0.097 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.04 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

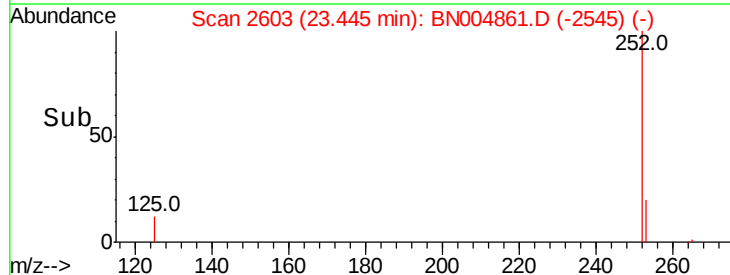
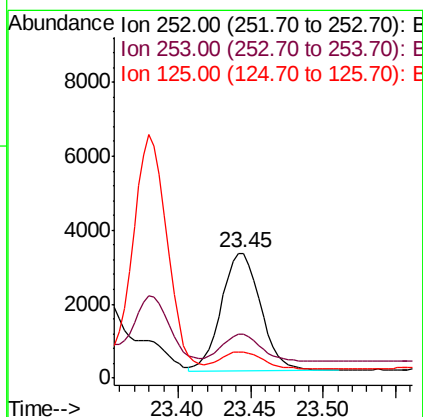
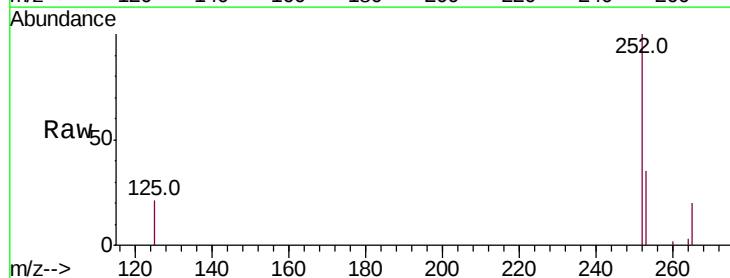
Instrument :
BNA_N
ClientSampleId :
PST-027-SW010-2-030619

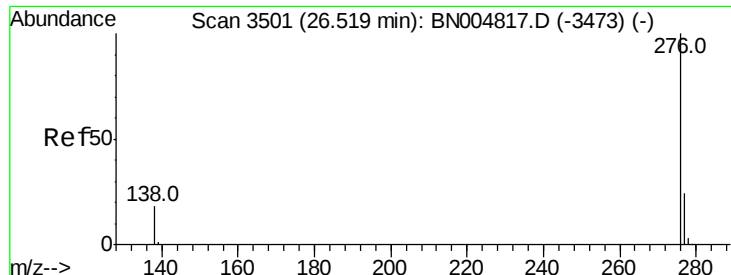
Tot Ion:252 Resp: 7598
Ion Ratio Lower Upper
252 100
253 32.9 19.3 28.9#
125 29.1 7.4 11.0#



#37
Benzo(a)pyrene
Concen: 0.082 ng
RT: 23.45 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BN004861.D
Acq: 21 Mar 2019 21:45

Tgt Ion:252 Resp: 5981
Ion Ratio Lower Upper
252 100
253 35.0 19.7 29.5#
125 20.7 8.3 12.5#





#39

Benzo(a,h,i)perylene

Concen: 0.044 ng

RT: 26.52 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BN004861.D

Acq: 21 Mar 2019 21:45

Instrument :

BNA_N

ClientSampleId :

PST-027-SW010-2-030619

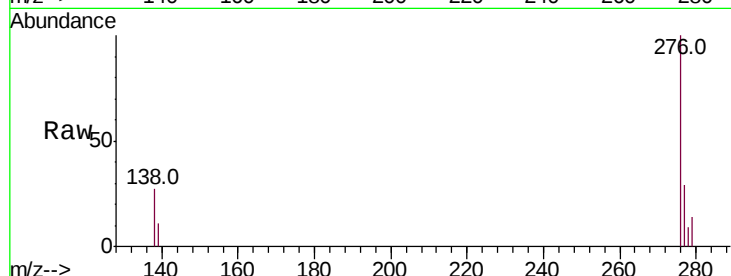
Tot Ion:276 Resp: 3808

Ion Ratio Lower Upper

276 100

277 29.5 19.7 29.5

138 26.8 14.6 22.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

