

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004896.D
 Acq On : 22 Mar 2019 22:34
 Operator : JU/SJ
 Sample : K2013-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B023-031819

Quant Time: Mar 23 02:49:26 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	7.69	152	2425	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	10383	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	6268	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	16074	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	22348	0.40	ng	-0.01
34) Perylene-d12	23.53	264	24379	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	2627	0.40	ng	0.00
5) Phenol-d6	6.87	99	4465	0.54	ng	0.00
8) Nitrobenzene-d5	8.86	82	2153	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	4831	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	3825	0.88	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	11246	0.43	ng	-0.01
25) Fluoranthene-d10	19.12	212	14669	0.27	ng	-0.01
29) Terphenyl-d14	19.72	244	33965	0.74	ng	-0.01

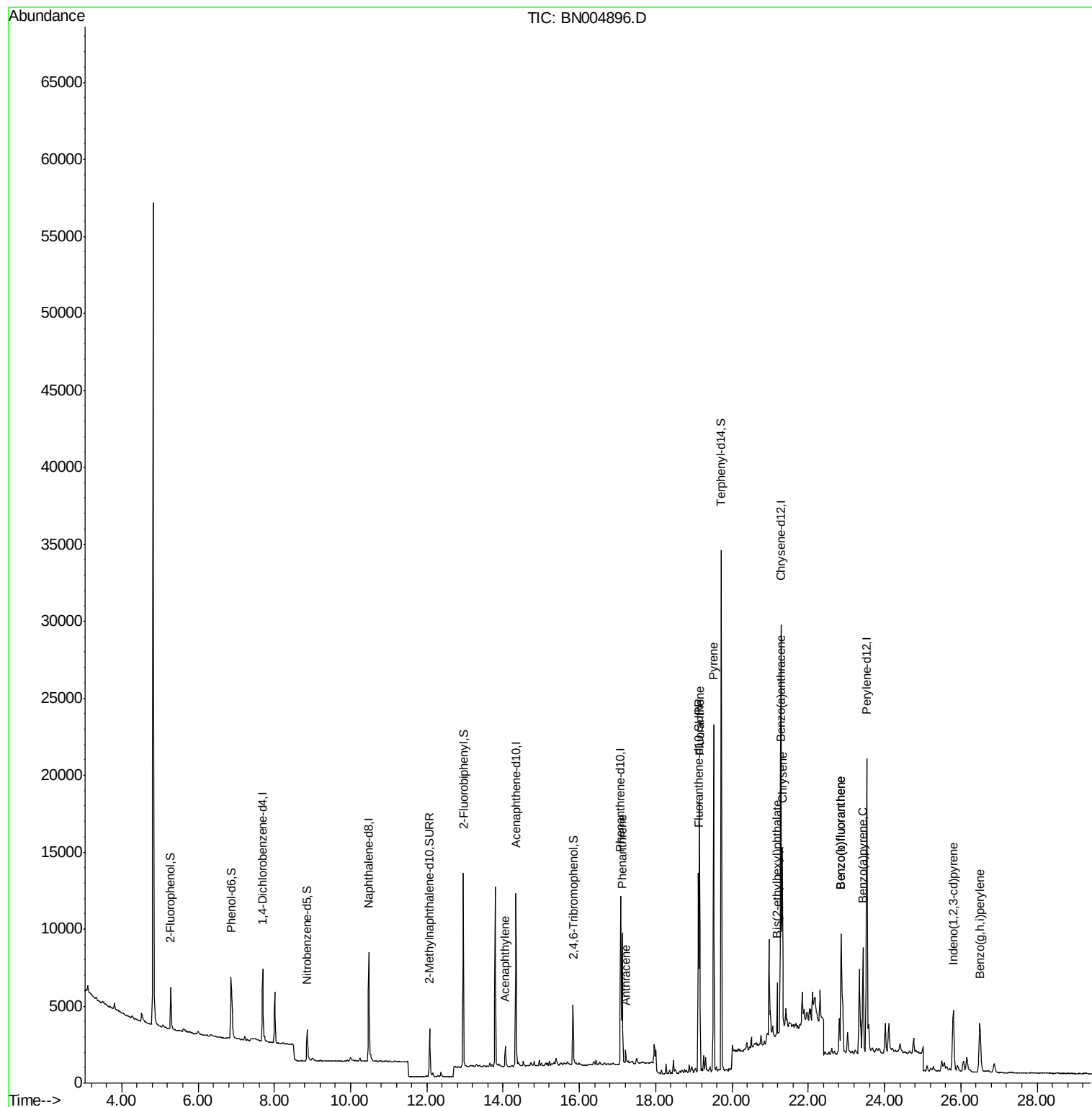
Target Compounds				Qvalue		
16) Acenaphthylene	14.05	152	1541	0.048	ng	98
23) Phenanthrene	17.12	178	9780	0.188	ng	99
24) Anthracene	17.22	178	1174	0.025	ng	# 96
26) Fluoranthene	19.15	202	15629	0.234	ng	98
28) Pyrene	19.52	202	20352	0.299	ng	97
30) Benzo(a)anthracene	21.27	228	9420	0.129	ng	95
31) Chrysene	21.32	228	10988	0.142	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	3077	0.105	ng	98
33) Indeno(1,2,3-cd)pyrene	25.80	276	6224	0.056	ng	98
35) Benzo(b)fluoranthene	22.86	252	11640	0.132	ng	# 80
36) Benzo(k)fluoranthene	22.86	252	11640	0.134	ng	# 81
37) Benzo(a)pyrene	23.43	252	9315	0.115	ng	# 87
39) Benzo(a,h,i)perylene	26.50	276	6827	0.072	ng	# 92

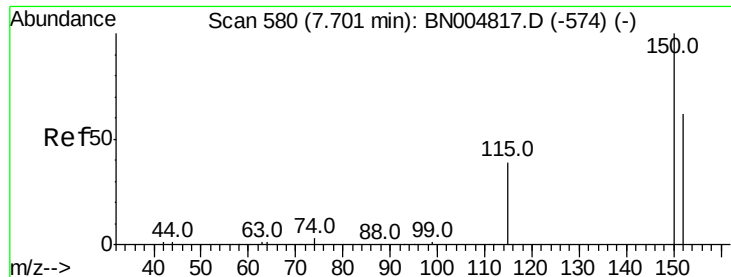
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004896.D
Acq On : 22 Mar 2019 22:34
Operator : JU/SJ
Sample : K2013-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

Quant Time: Mar 23 02:49:26 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

ClientSampleId :

PST-026-B023-031819

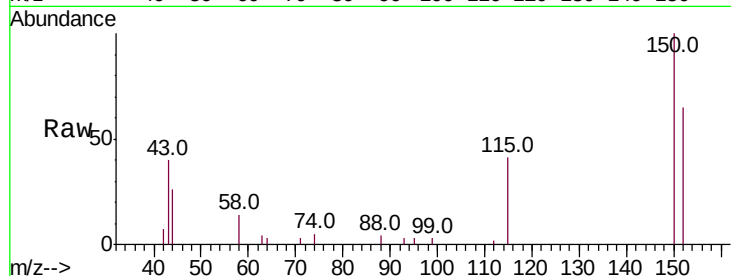
Tot Ion:152 Resp: 2425

Ion Ratio Lower Upper

152 100

150 155.0 126.2 189.4

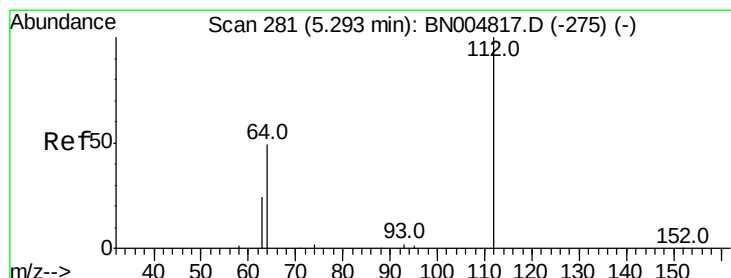
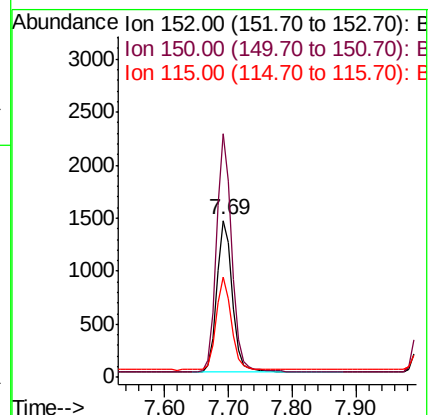
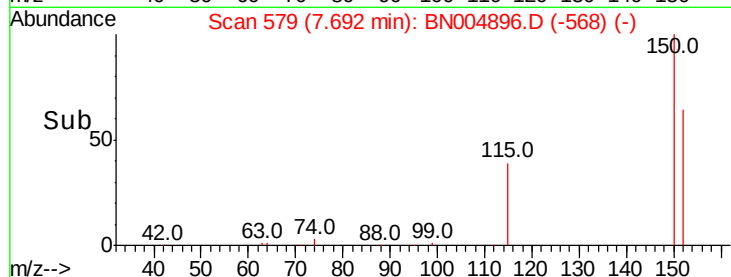
115 63.6 52.6 79.0



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: 0.399 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

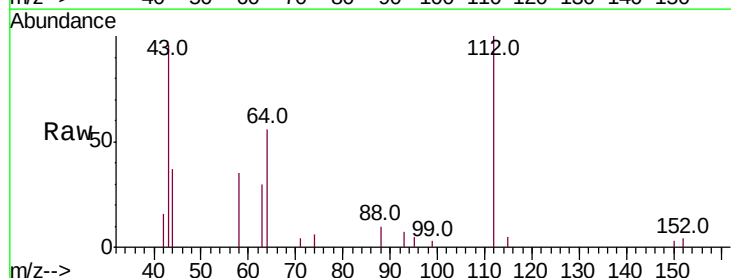
Tgt Ion:112 Resp: 2627

Ion Ratio Lower Upper

112 100

64 51.2 40.0 60.0

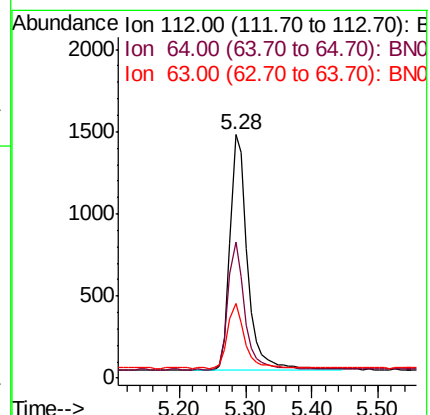
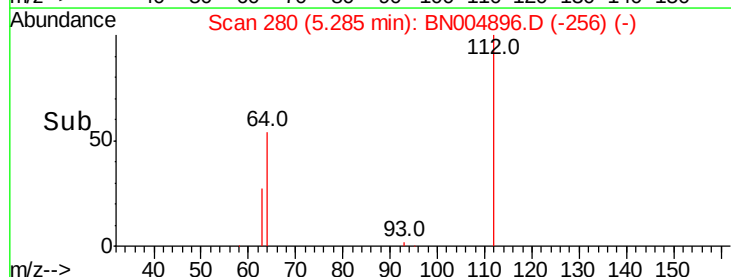
63 26.4 20.2 30.2

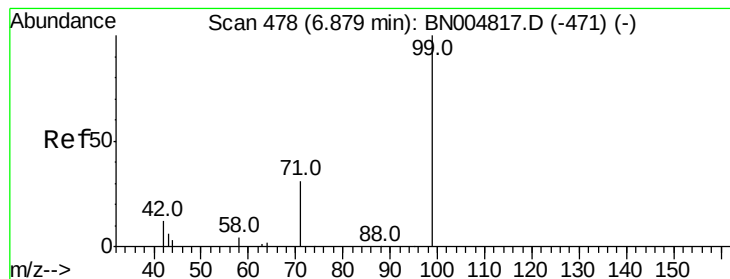


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.544 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

ClientSampleId :

PST-026-B023-031819

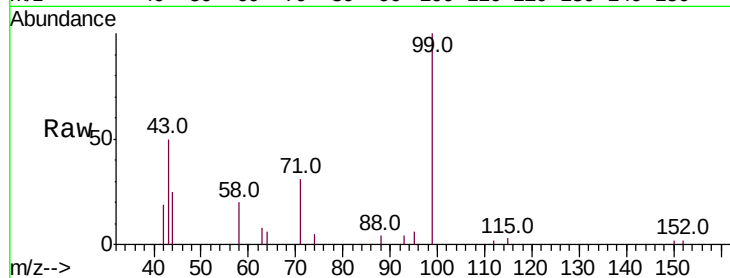
Tot Ion: 99 Resp: 4465

Ion Ratio Lower Upper

99 100

42 17.5 12.7 19.1

71 32.2 26.6 40.0

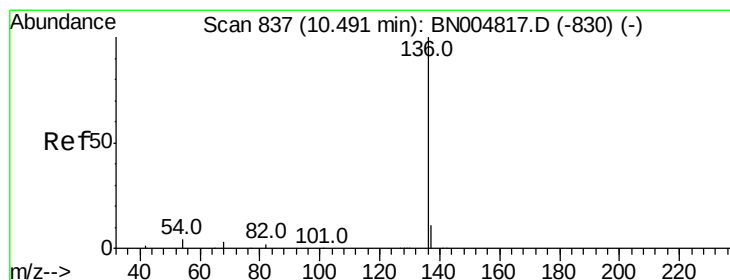
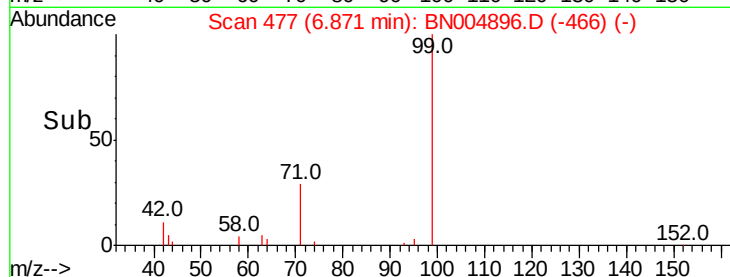
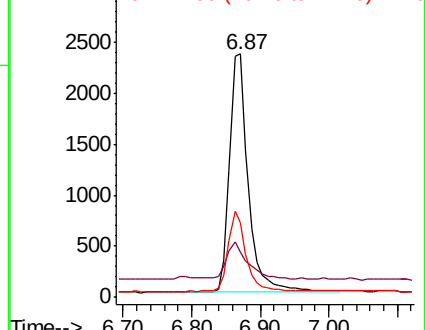


Abundance

Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Tgt Ion: 136 Resp: 10383

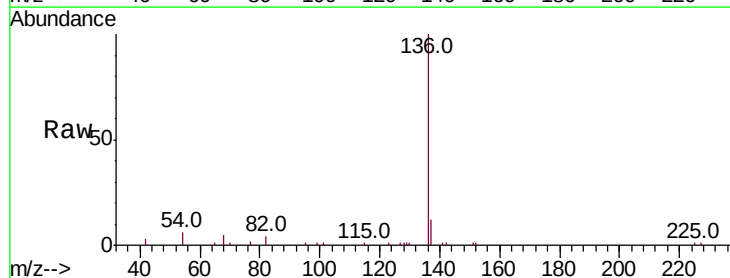
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 5.7 4.2 6.2

68 5.1 3.9 5.9



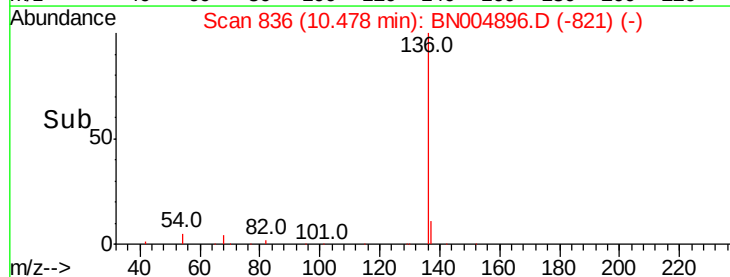
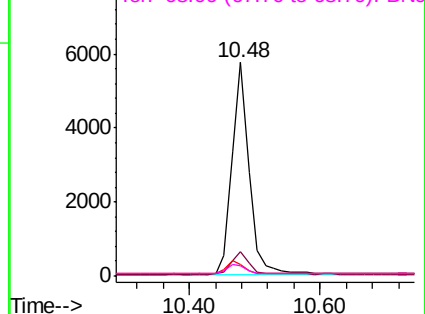
Abundance

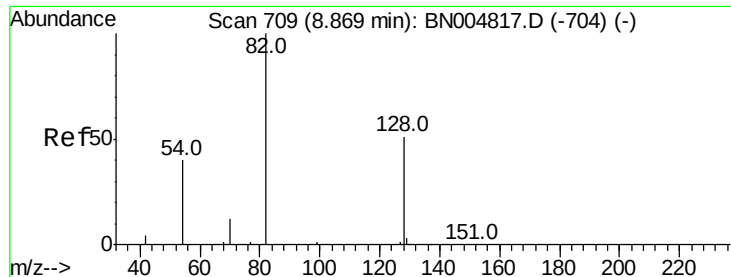
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0

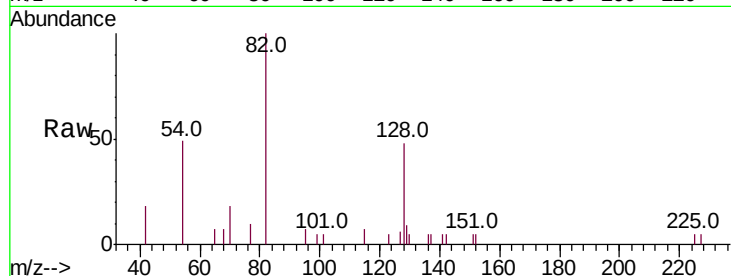




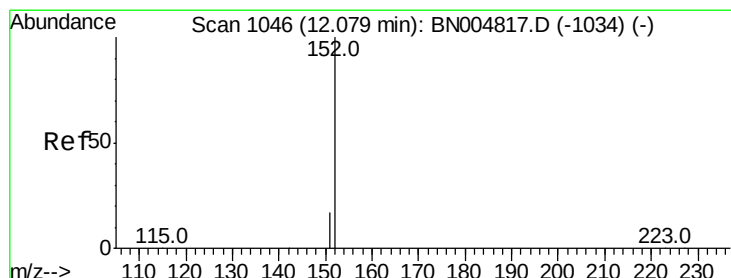
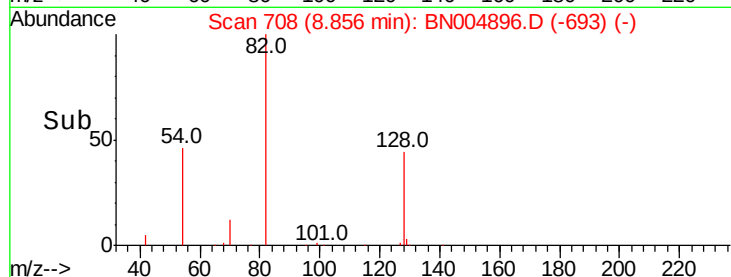
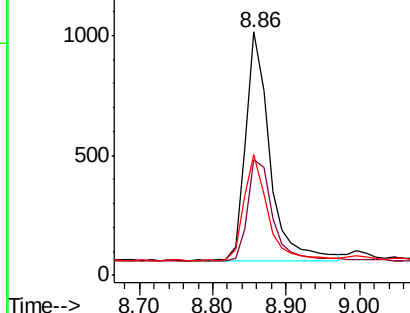
#8
 Nitrobenzene-d5
 Concen: 0.313 ng
 RT: 8.86 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: BN004896.D
 Acq: 22 Mar 2019 22:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B023-031819

Tot Ion: 82 Resp: 2153
 Ion Ratio Lower Upper
 82 100
 128 47.6 43.0 64.6
 54 49.5 35.3 52.9

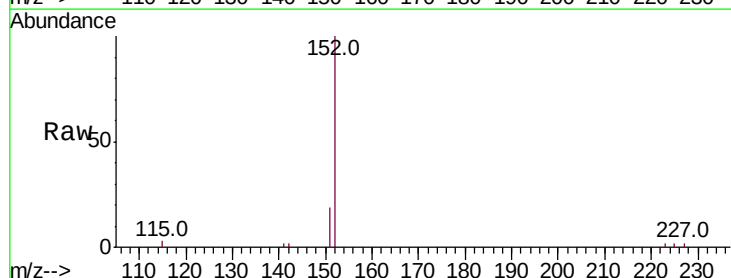


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

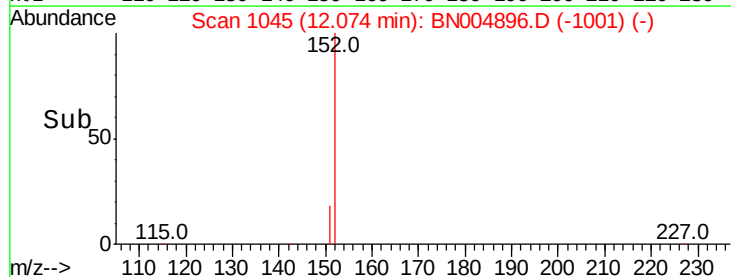
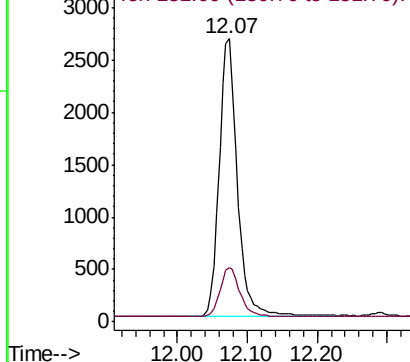


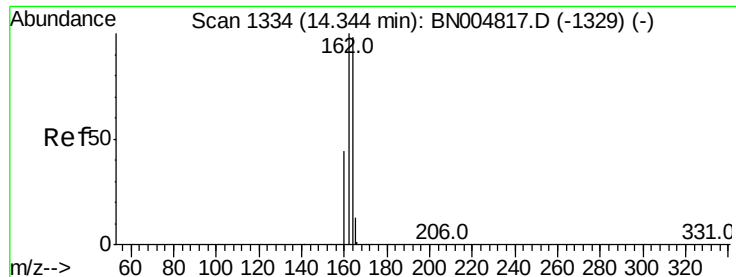
#11
 2-Methylnaphthalene-d10
 Concen: 0.267 ng
 RT: 12.07 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BN004896.D
 Acq: 22 Mar 2019 22:34

Tgt Ion: 152 Resp: 4831
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

ClientSampleId :

PST-026-B023-031819

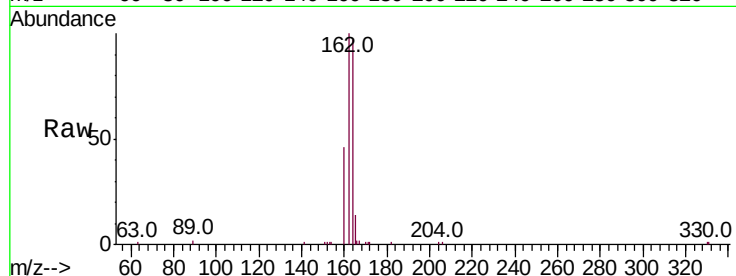
Tot Ion:164 Resp: 6268

Ion Ratio Lower Upper

164 100

162 103.3 81.9 122.9

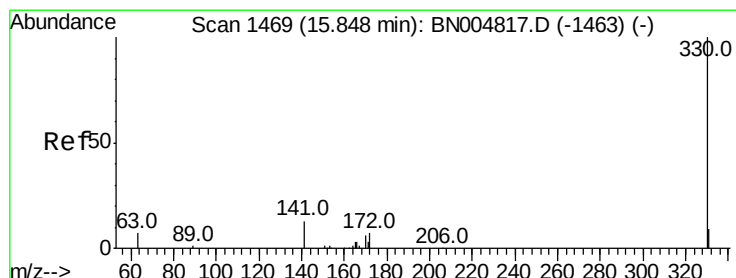
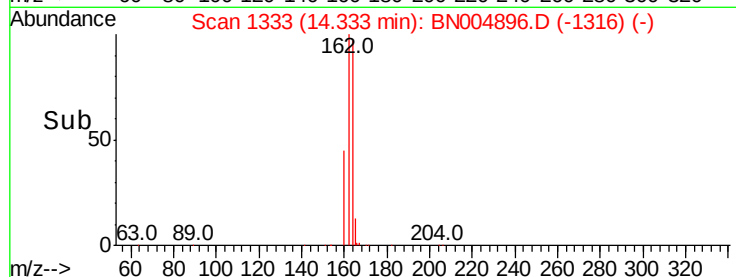
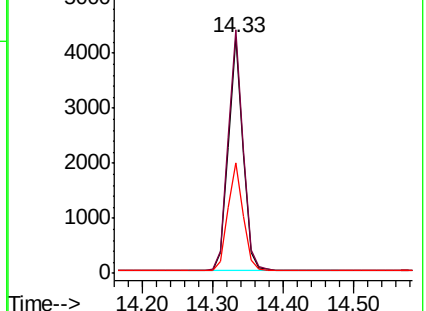
160 47.1 36.6 54.8



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: 0.884 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

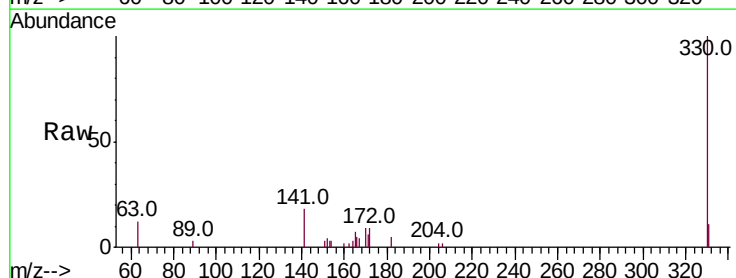
Tgt Ion:330 Resp: 3825

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

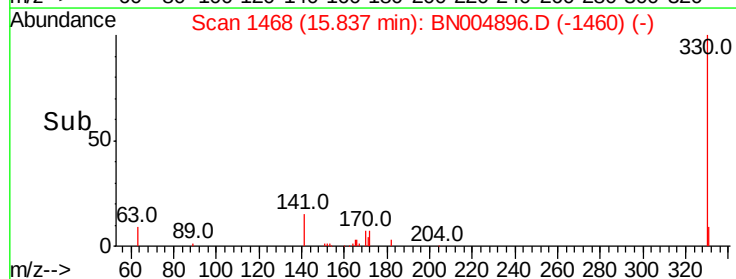
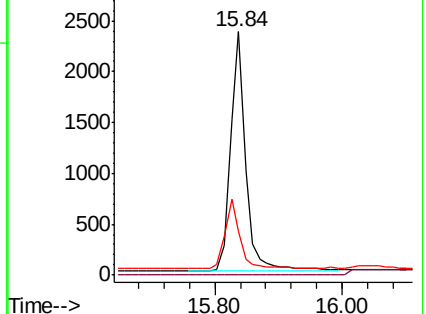
141 29.0 20.9 31.3

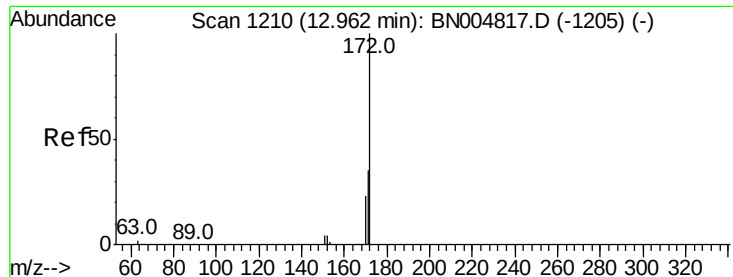


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

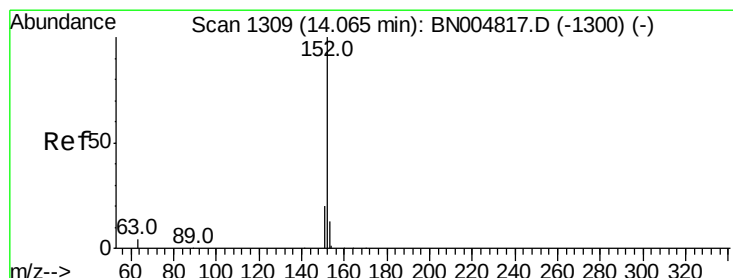
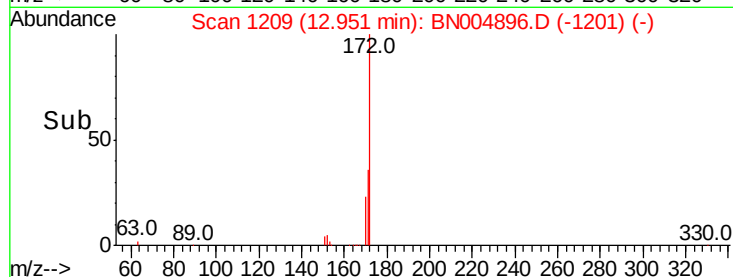
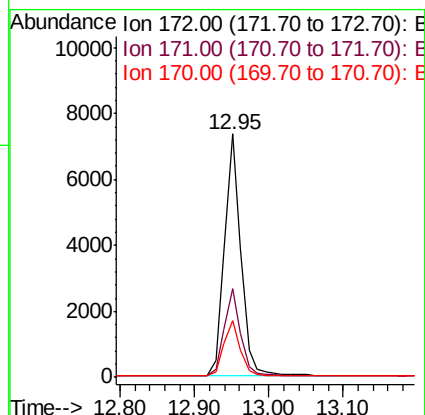
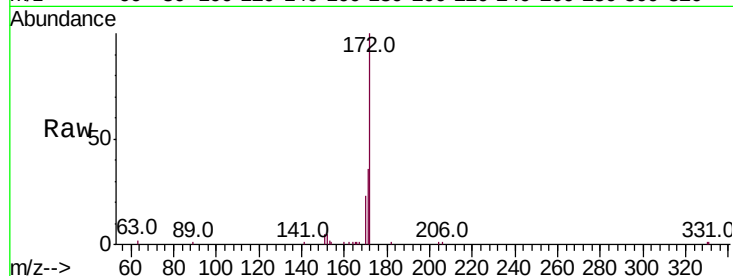




#15
2-Fluorobiphenyl
Concen: 0.434 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

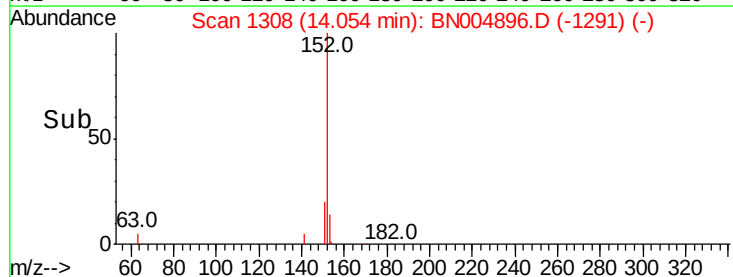
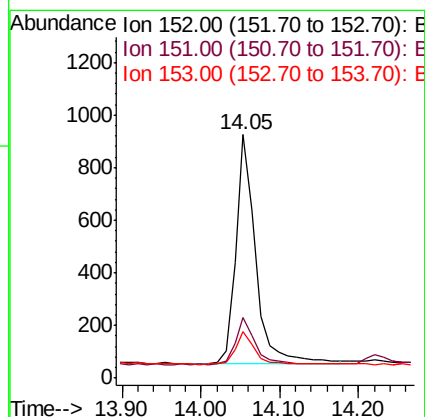
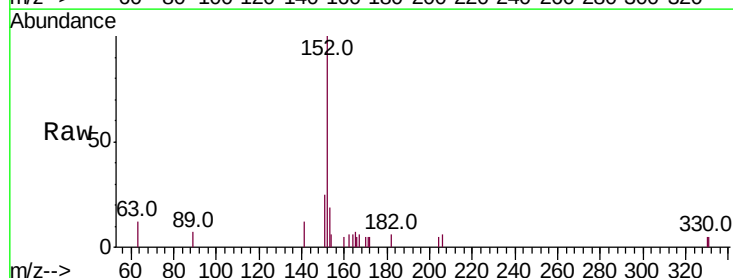
Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

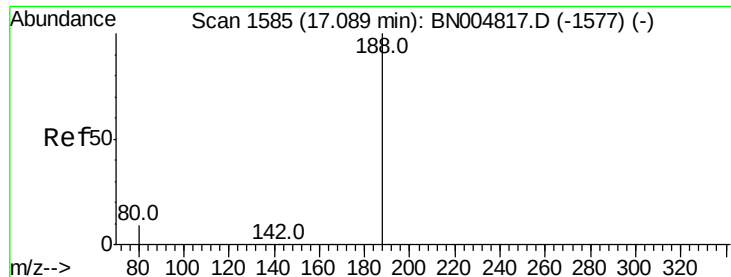
Tot Ion:172 Resp: 11246
Ion Ratio Lower Upper
172 100
171 36.2 28.7 43.1
170 23.5 18.7 28.1



#16
Acenaphthylene
Concen: 0.048 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion:152 Resp: 1541
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1
153 14.0 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

ClientSampleId :

PST-026-B023-031819

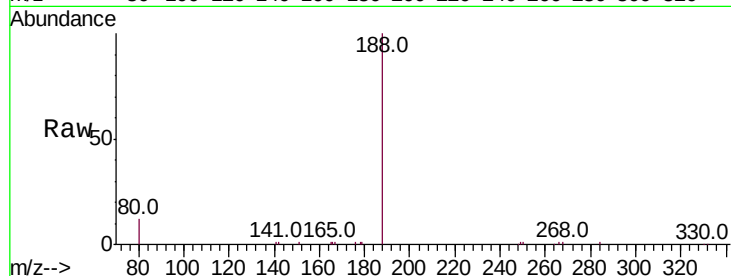
Tot Ion:188 Resp: 16074

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

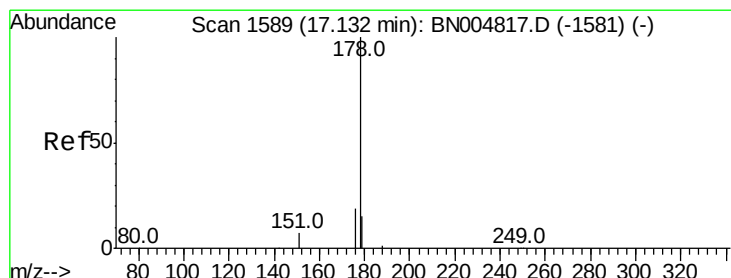
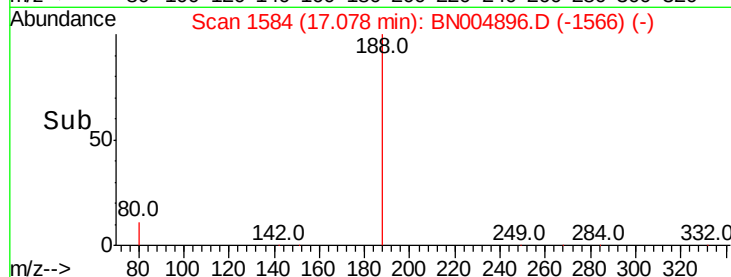
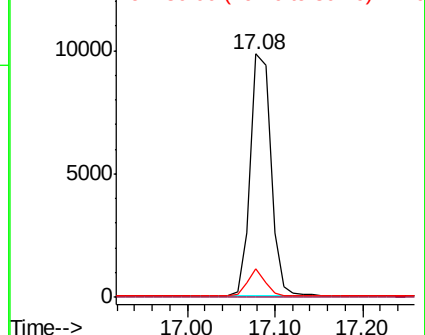
80 11.5 7.4 11.2#



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



#23

Phenanthrene

Concen: 0.188 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

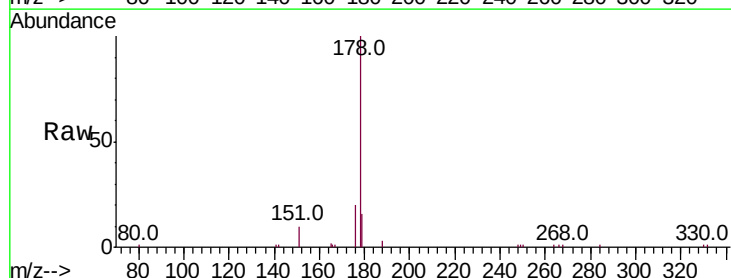
Tgt Ion:178 Resp: 9780

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

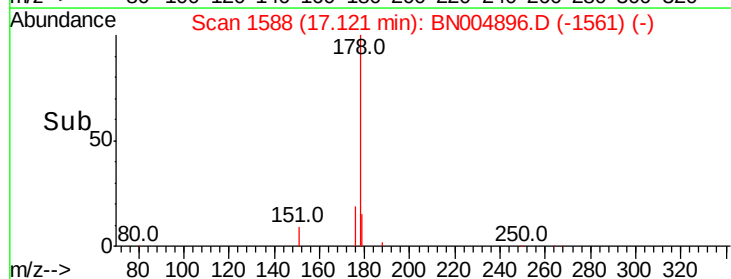
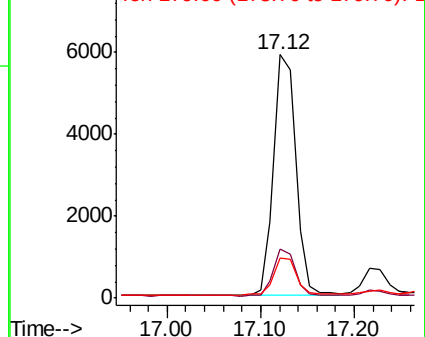
179 15.9 12.1 18.1

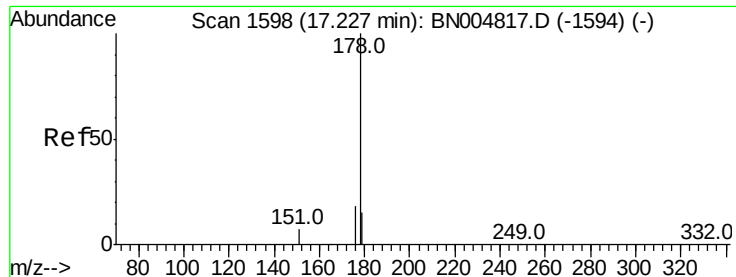


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.025 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

ClientSampleId :

PST-026-B023-031819

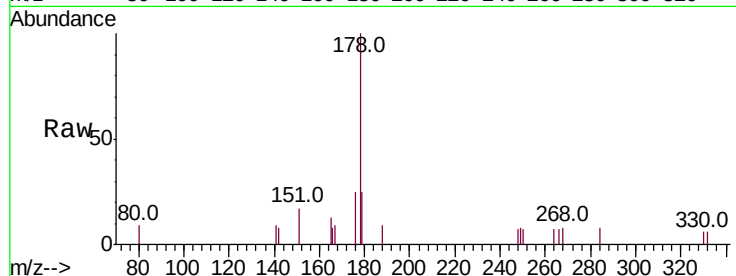
Tot Ion:178 Resp: 1174

Ion Ratio Lower Upper

178 100

176 18.4 14.5 21.7

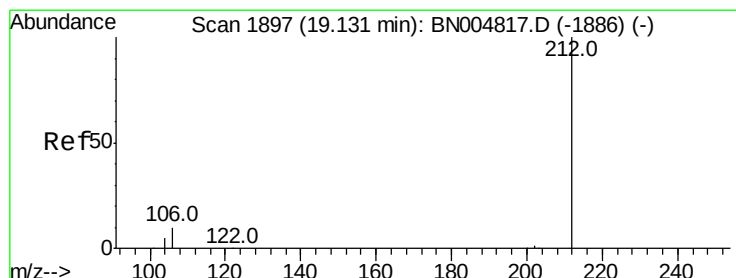
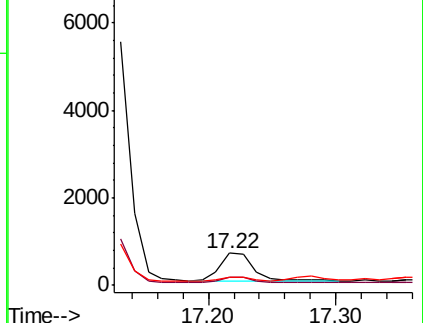
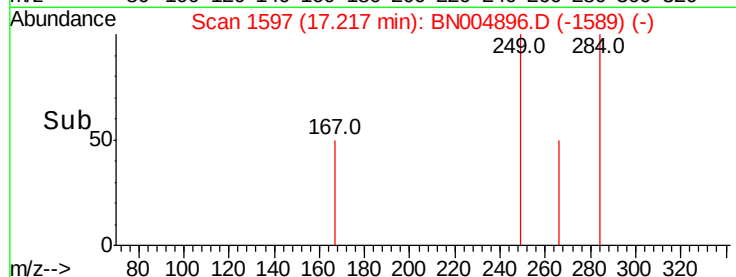
179 11.9 12.2 18.4#



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: 0.273 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

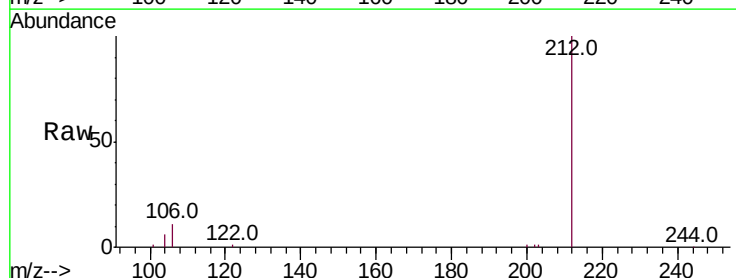
Tgt Ion:212 Resp: 14669

Ion Ratio Lower Upper

212 100

106 11.7 8.6 13.0

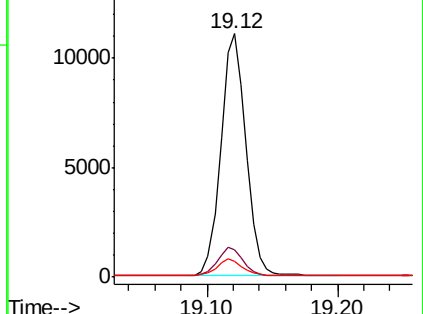
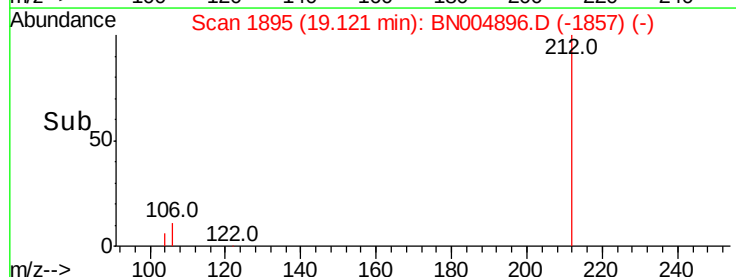
104 6.5 4.7 7.1

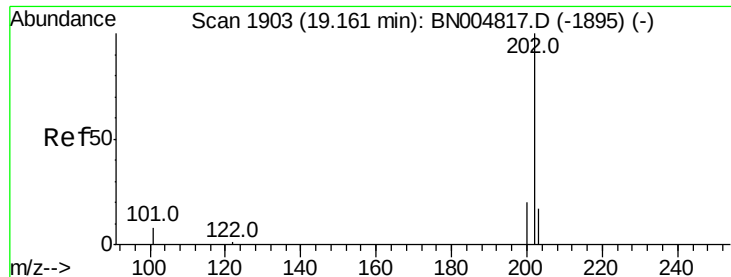


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

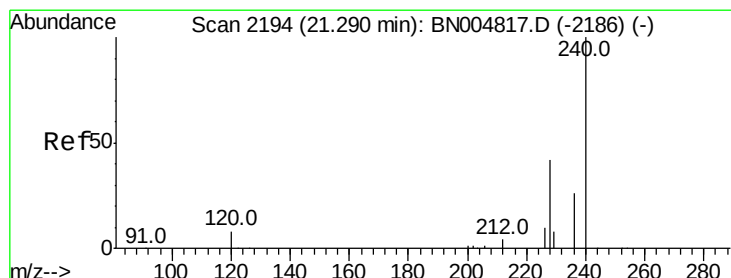
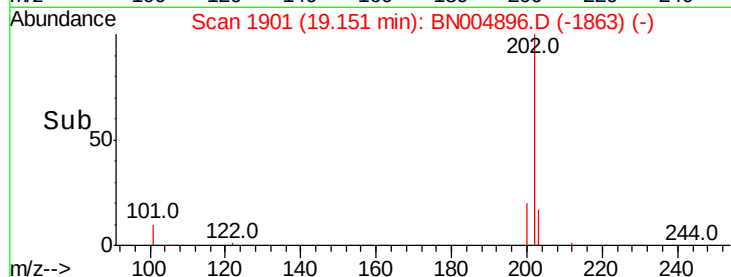
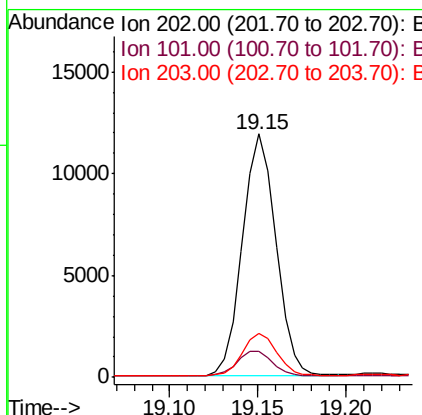
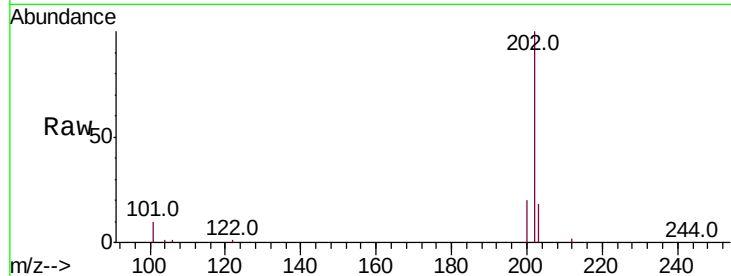




#26
Fluoranthene
Concen: 0.234 ng
RT: 19.15 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

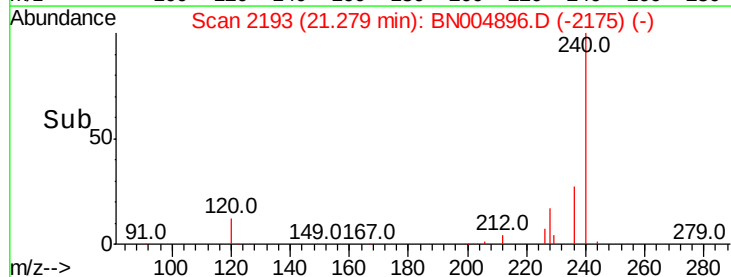
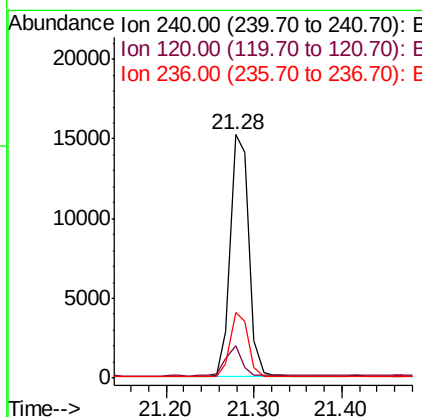
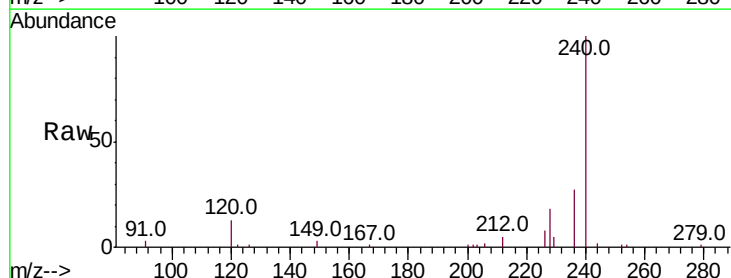
Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

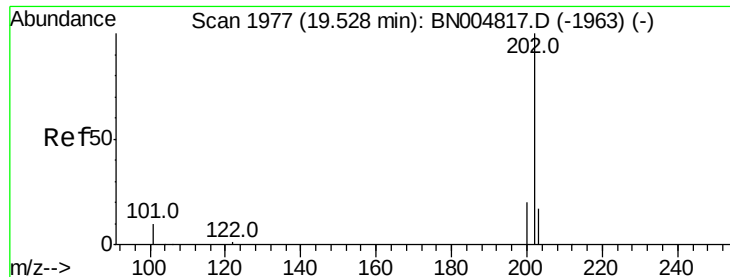
Tot Ion:202 Resp: 15629
Ion Ratio Lower Upper
202 100
101 10.7 7.5 11.3
203 17.7 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion:240 Resp: 22348
Ion Ratio Lower Upper
240 100
120 13.1 7.2 10.8#
236 27.0 20.9 31.3

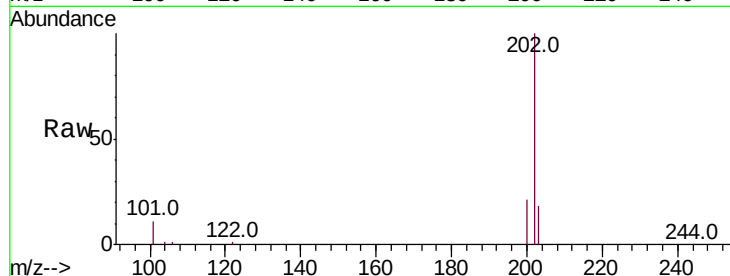




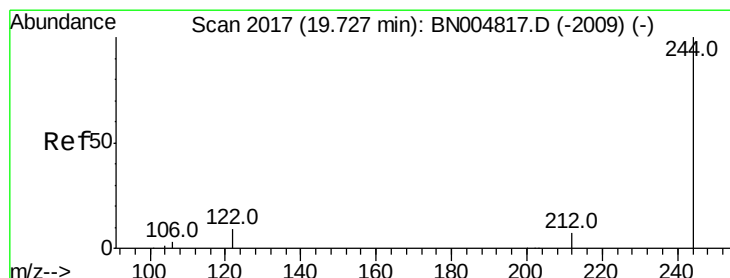
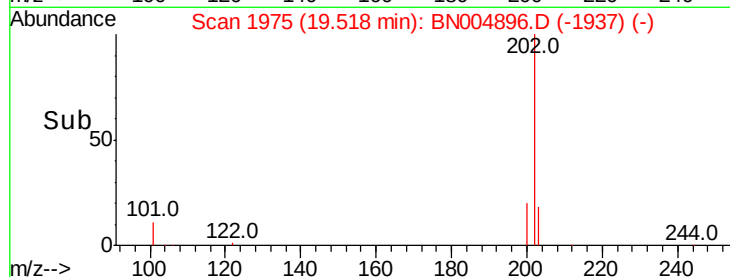
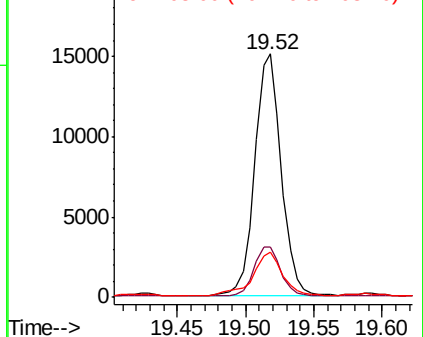
#28
Pvrene
Concen: 0.299 ng
RT: 19.52 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

Tot Ion:202 Resp: 20352
Ion Ratio Lower Upper
202 100
200 20.8 16.3 24.5
203 20.3 14.0 21.0

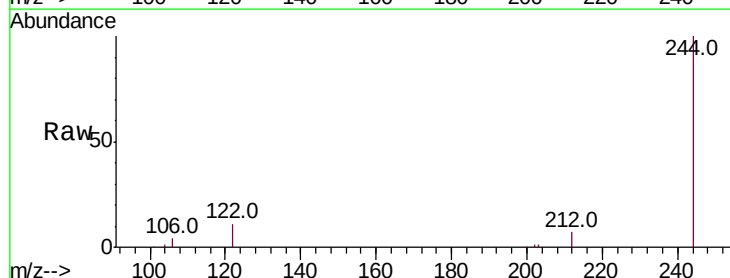


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

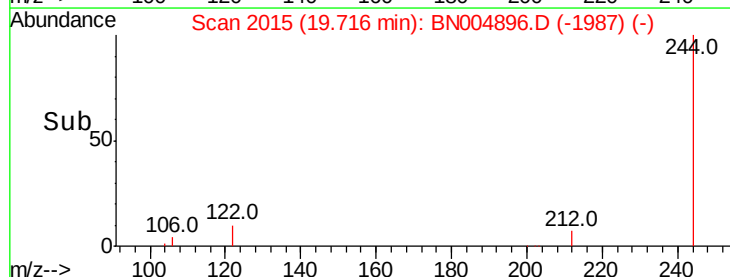
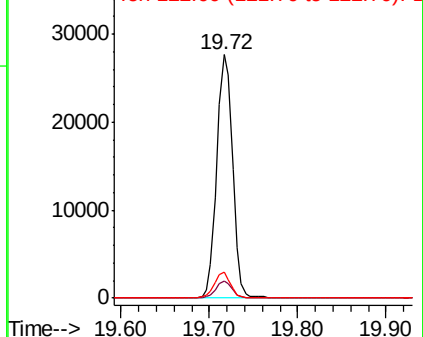


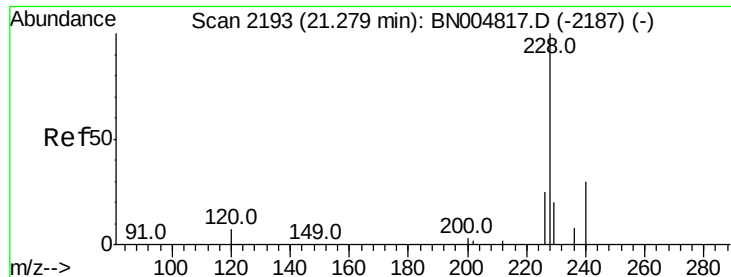
#29
Terphenyl-d14
Concen: 0.743 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion:244 Resp: 33965
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 10.5 7.9 11.9



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: 0.129 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

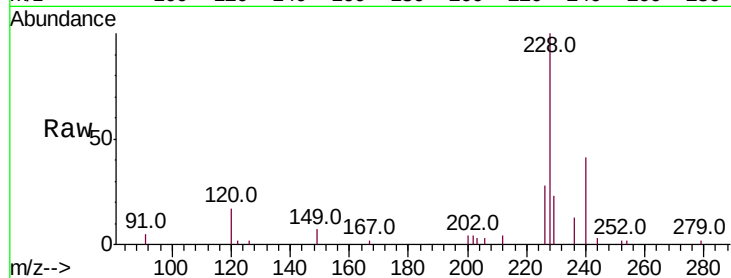
BNA_N

ClientSampleId :

PST-026-B023-031819

Tot Ion:228 Resp: 9420

Ion	Ratio	Lower	Upper
228	100		
226	28.5	20.6	31.0
229	22.9	16.2	24.4

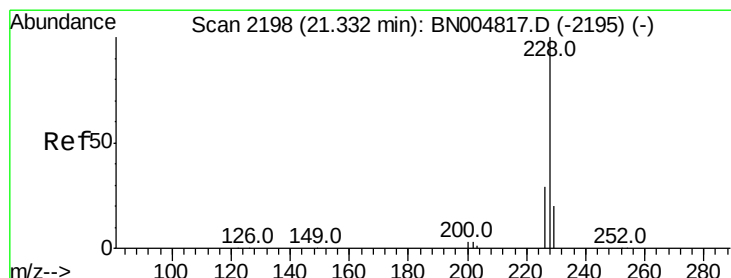
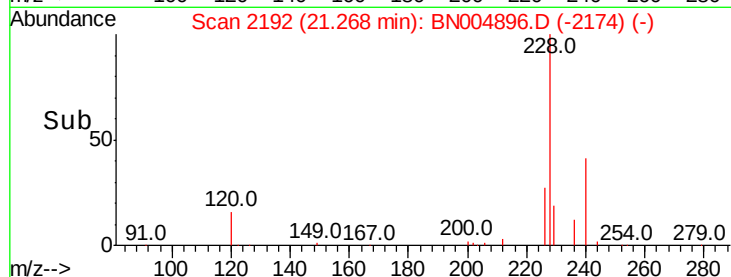
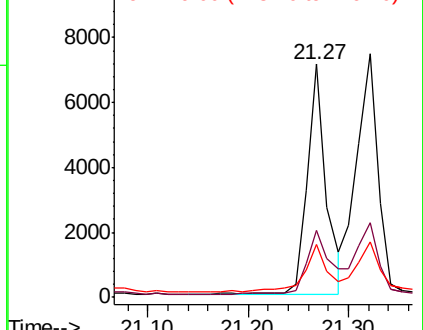


Abundance

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: 0.142 ng

RT: 21.32 min Scan# 2197

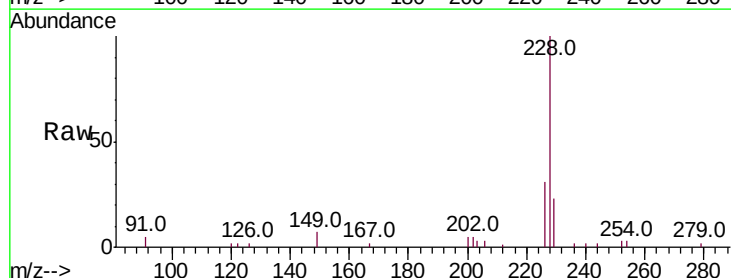
Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Tgt Ion:228 Resp: 10988

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.0	34.6
229	22.7	16.2	24.2

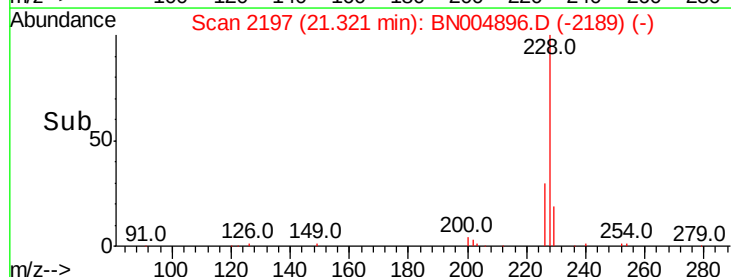
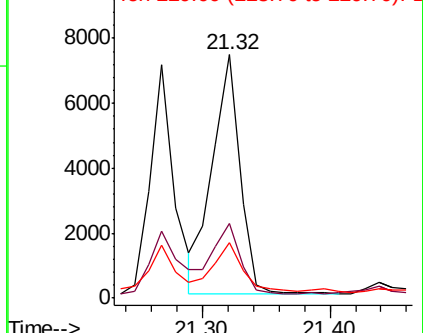


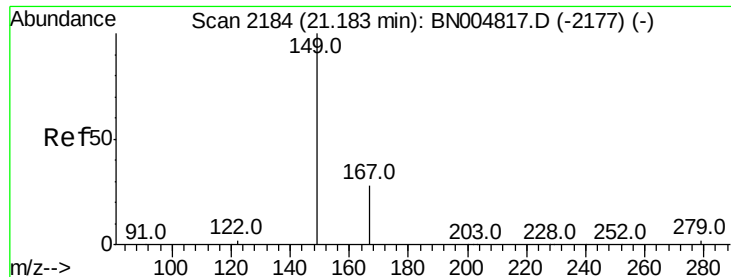
Abundance

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: 0.105 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

ClientSampleId :

PST-026-B023-031819

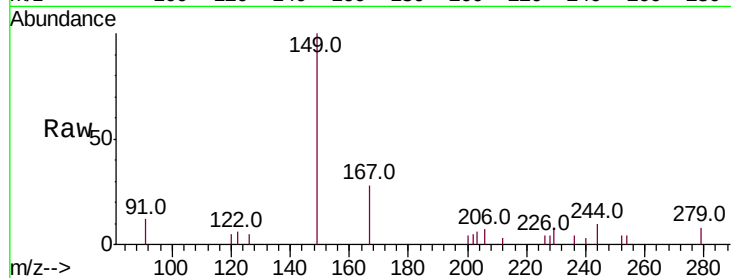
Tot Ion:149 Resp: 3077

Ion Ratio Lower Upper

149 100

167 27.8 23.0 34.4

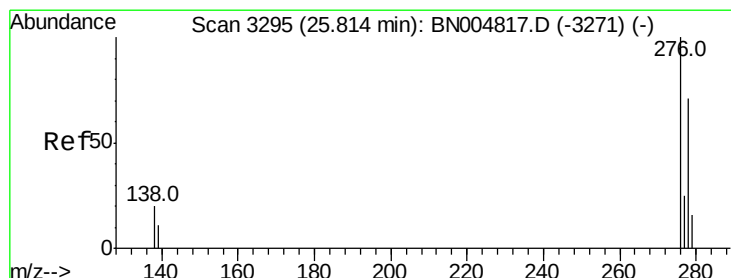
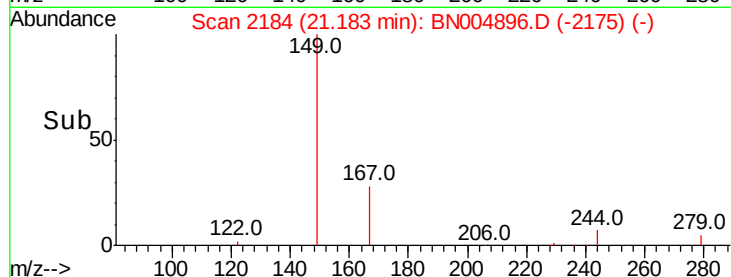
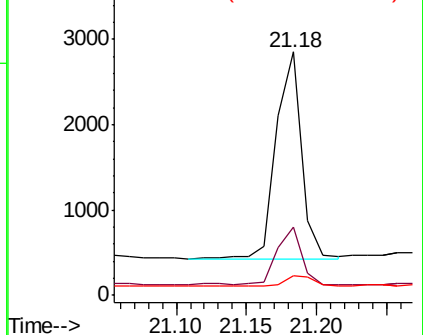
279 5.4 4.6 6.8



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: 0.056 ng

RT: 25.80 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

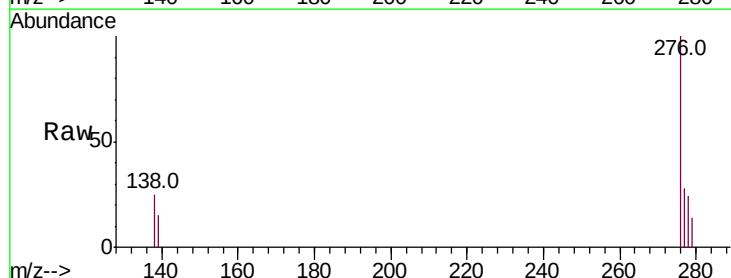
Tgt Ion:276 Resp: 6224

Ion Ratio Lower Upper

276 100

138 22.1 16.6 24.8

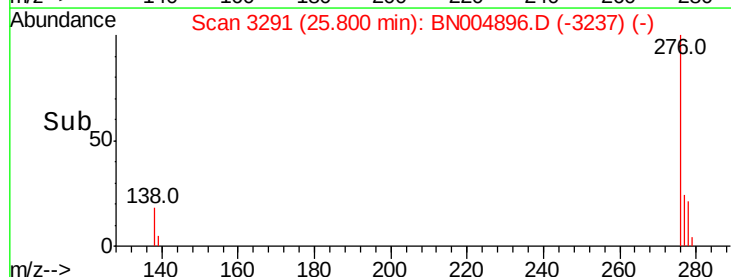
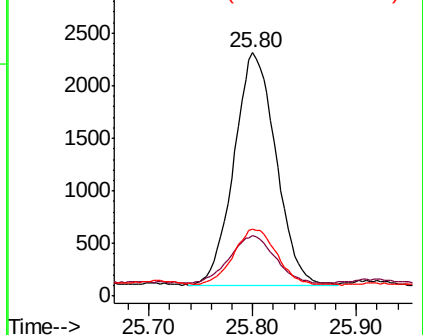
277 24.7 20.3 30.5

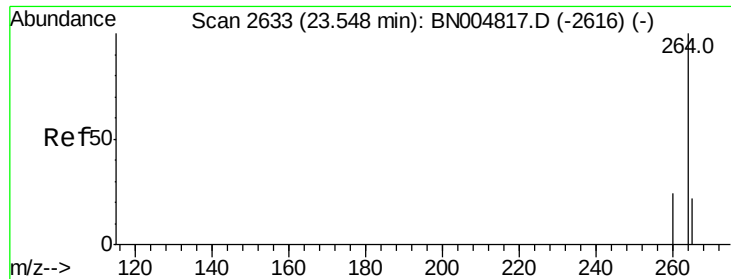


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



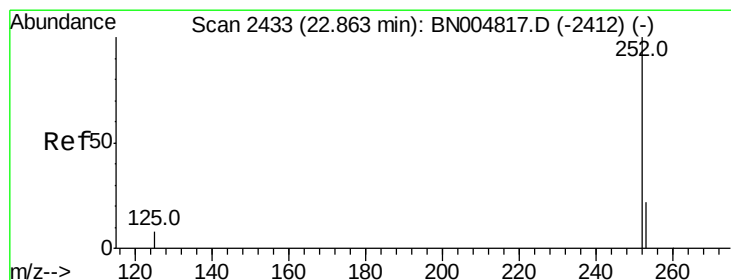
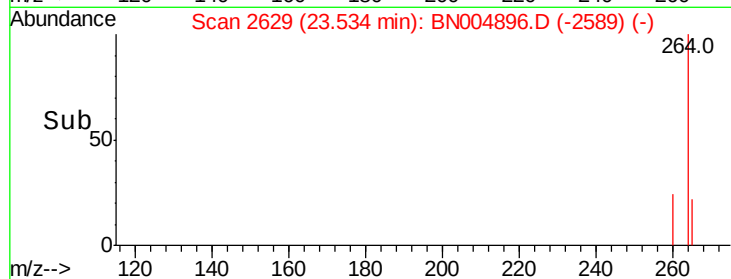
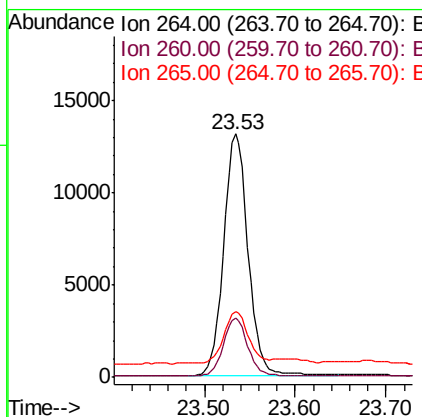
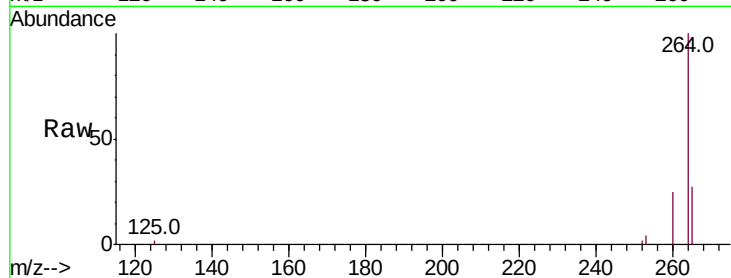


#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

Tot Ion:264 Resp: 24379

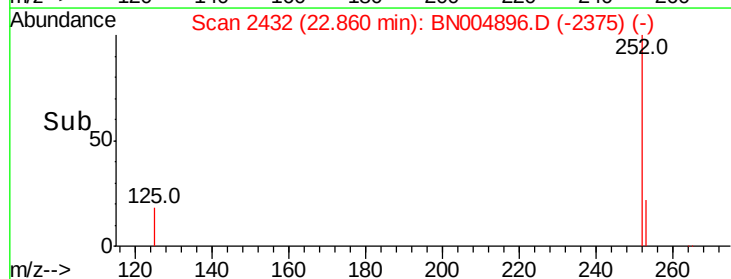
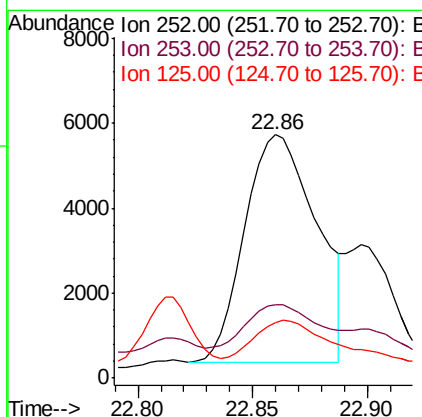
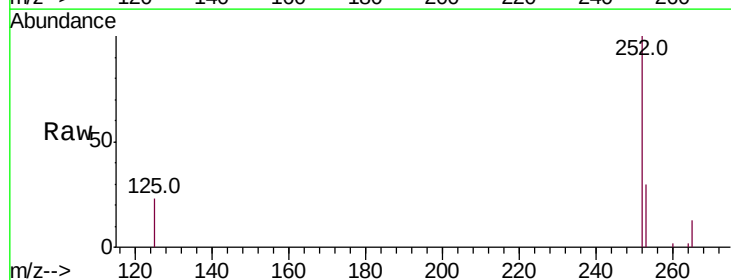
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	27.0	23.1	34.7

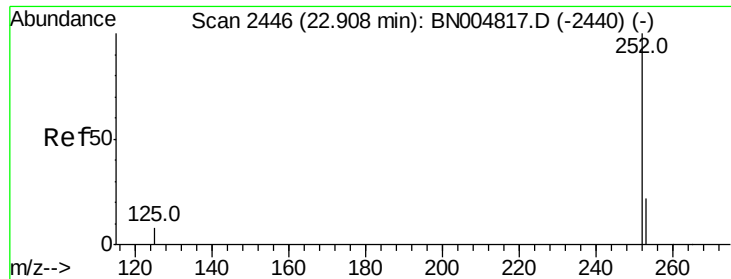


#35
Benzo(b)fluoranthene
Concen: 0.132 ng
RT: 22.86 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion:252 Resp: 11640

Ion	Ratio	Lower	Upper
252	100		
253	30.1	19.0	28.4#
125	22.7	7.4	11.2#

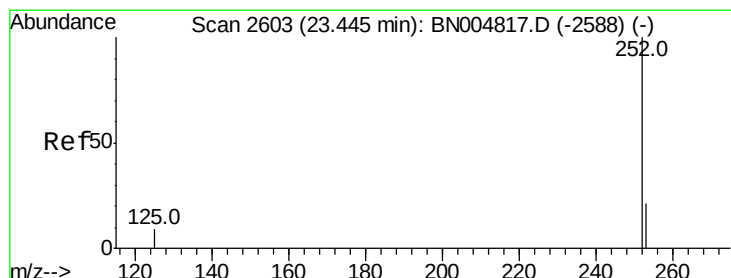
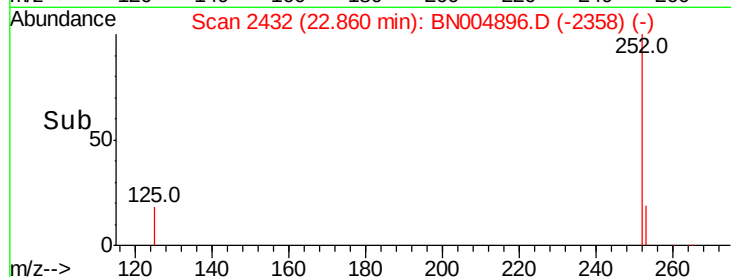
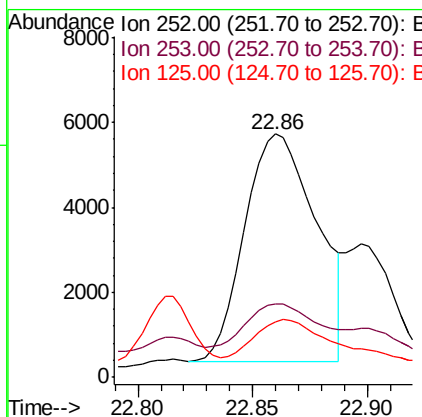
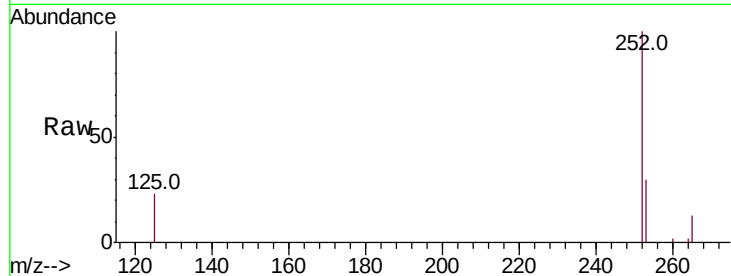




#36
Benzo(k)fluoranthene
Concen: 0.134 ng
RT: 22.86 min Scan# 2432
Delta R.T. -0.05 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

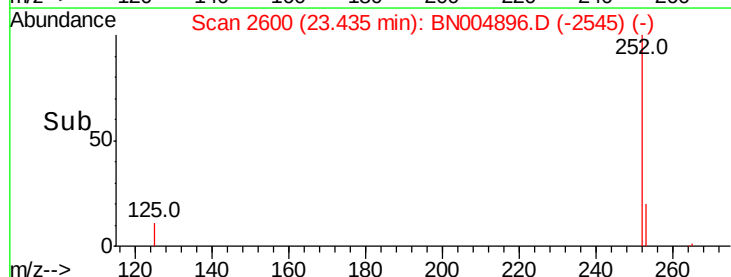
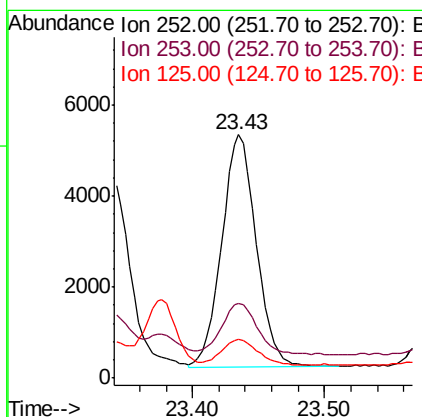
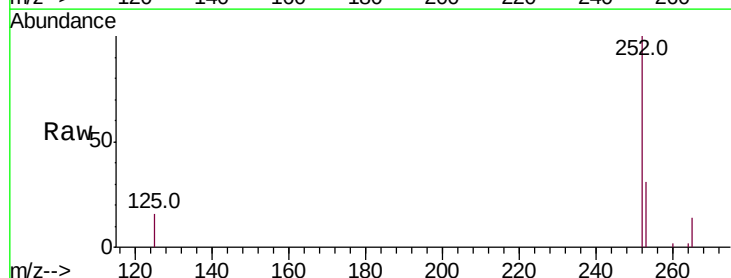
Instrument :
BNA_N
ClientSampleId :
PST-026-B023-031819

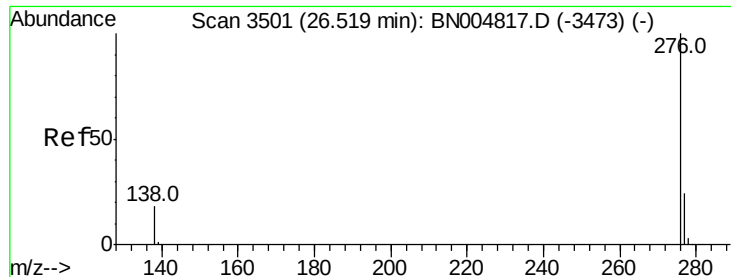
Tot Ion:252 Resp: 11640
Ion Ratio Lower Upper
252 100
253 30.1 19.3 28.9#
125 22.7 7.4 11.0#



#37
Benzo(a)pyrene
Concen: 0.115 ng
RT: 23.43 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BN004896.D
Acq: 22 Mar 2019 22:34

Tgt Ion:252 Resp: 9315
Ion Ratio Lower Upper
252 100
253 30.8 19.7 29.5#
125 15.7 8.3 12.5#





#39

Benzo(a,h,i)perylene

Concen: 0.072 ng

RT: 26.50 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BN004896.D

Acq: 22 Mar 2019 22:34

Instrument :

BNA_N

ClientSampleId :

PST-026-B023-031819

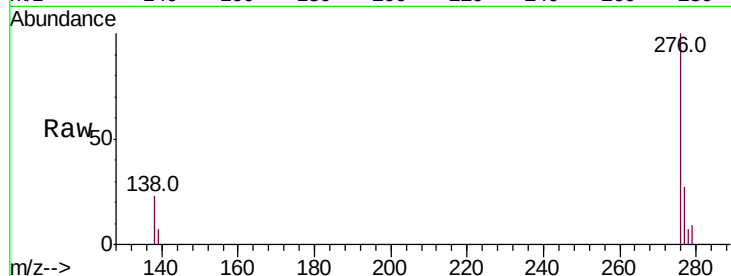
Tot Ion:276 Resp: 6827

Ion Ratio Lower Upper

276 100

277 27.2 19.7 29.5

138 23.5 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

