

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032519\
 Data File : BN004965.D
 Acq On : 25 Mar 2019 17:43
 Operator : JU/SJ
 Sample : K2015-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-B028-031919

Quant Time: Mar 26 01:19:04 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	7.68	152	4197	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	16806	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	8342	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	16526	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	18986	0.40	ng	-0.01
34) Perylene-d12	23.53	264	20710	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3444	0.30	ng	0.00
5) Phenol-d6	6.86	99	4350	0.31	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3437	0.31	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7375	0.25	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	1317	0.23	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	9769	0.28	ng	-0.02
25) Fluoranthene-d10	19.12	212	12925	0.23	ng	-0.02
29) Terphenyl-d14	19.71	244	8327	0.21	ng	-0.02

Target Compounds

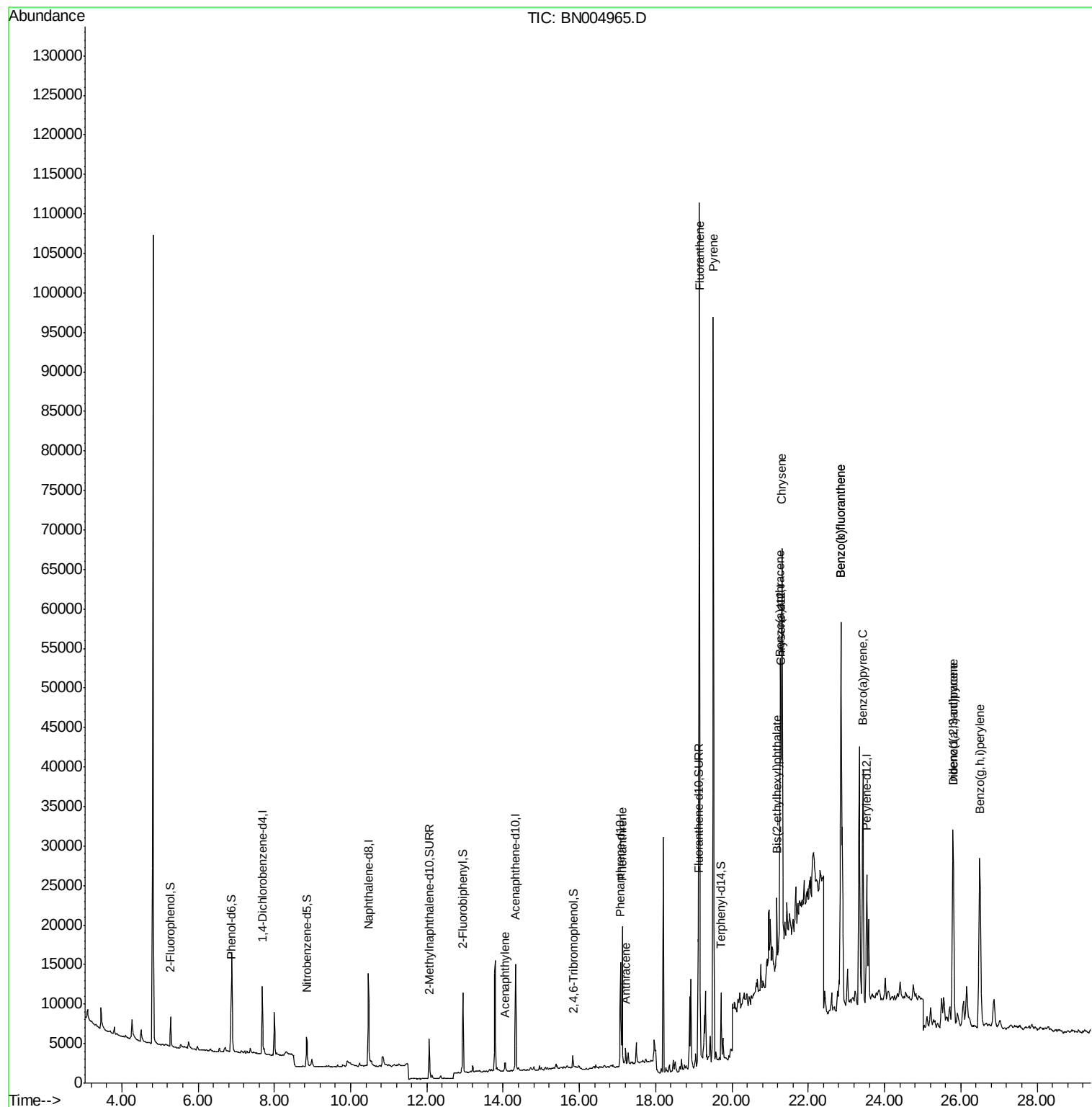
						Qvalue
16) Acenaphthylene	14.05	152	1626	0.038	ng	94
23) Phenanthrene	17.12	178	17902	0.335	ng	98
24) Anthracene	17.22	178	2521	0.053	ng	# 96
26) Fluoranthene	19.15	202	91639	1.336	ng	# 89
28) Pyrene	19.51	202	88307	1.525	ng	97
30) Benzo(a)anthracene	21.26	228	31643	0.508	ng	# 90
31) Chrysene	21.31	228	55500	0.846	ng	94
32) Bis(2-ethylhexyl)phthalate	21.17	149	7290	0.293	ng	98
33) Indeno(1,2,3-cd)pyrene	25.80	276	38802	0.409	ng	98
35) Benzo(b)fluoranthene	22.85	252	77265	1.031	ng	# 89
36) Benzo(k)fluoranthene	22.85	252	77265	1.048	ng	# 90
37) Benzo(a)pyrene	23.43	252	41010	0.597	ng	# 83
38) Dibenzo(a,h)anthracene	25.80	278	9915	0.125	ng	# 21
39) Benzo(g,h,i)perylene	26.50	276	46287	0.571	ng	# 86

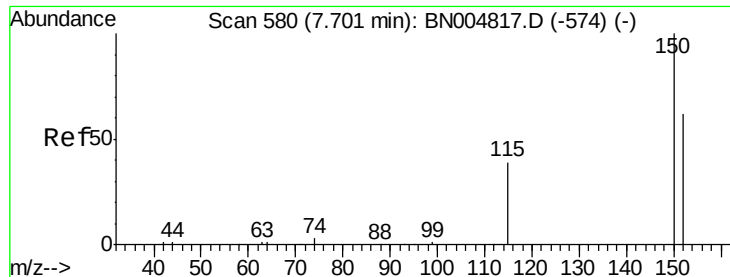
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.68 min Scan# 578

Delta R.T. -0.02 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919

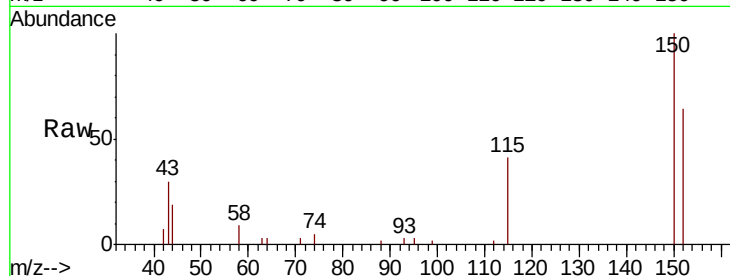
Tgt Ion:152 Resp: 4197

Ion Ratio Lower Upper

152 100

150 155.3 126.2 189.4

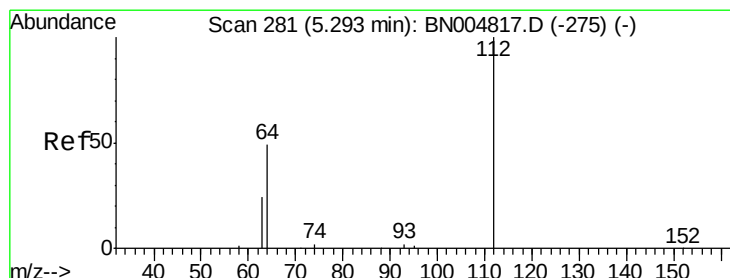
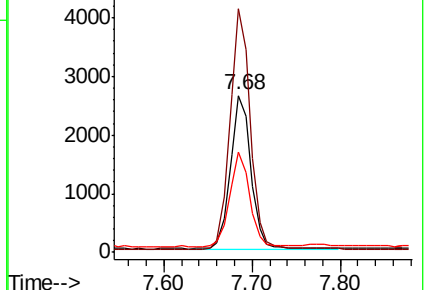
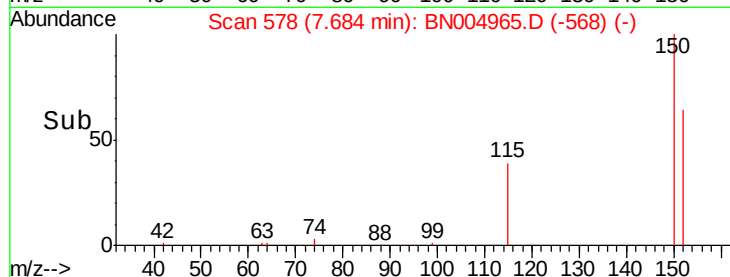
115 63.7 52.6 79.0



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: 0.302 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

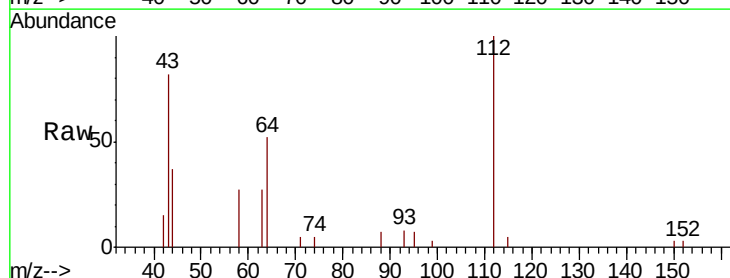
Tgt Ion:112 Resp: 3444

Ion Ratio Lower Upper

112 100

64 51.5 40.0 60.0

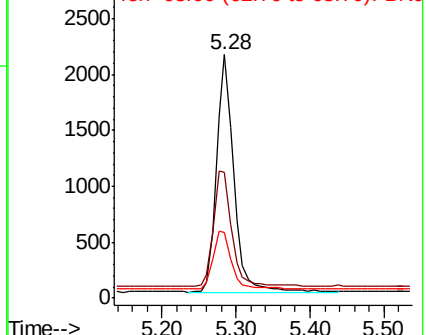
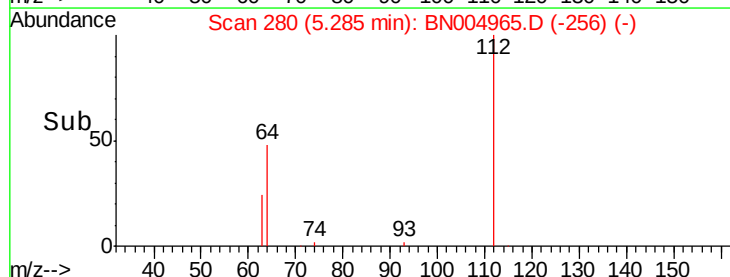
63 25.8 20.2 30.2

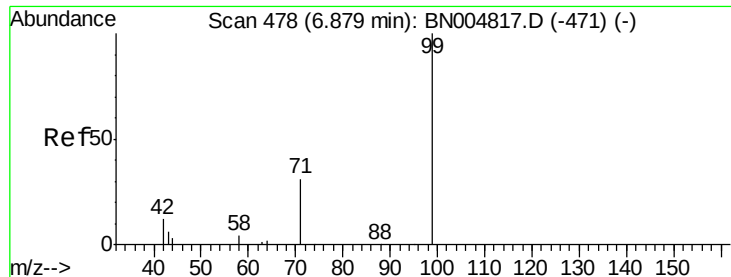


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.306 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919

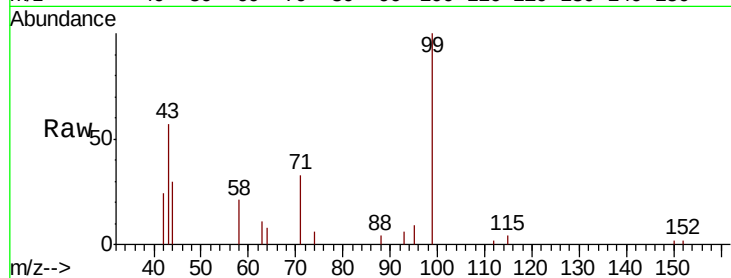
Tgt Ion: 99 Resp: 4350

Ion Ratio Lower Upper

99 100

42 0.0 12.7 19.1#

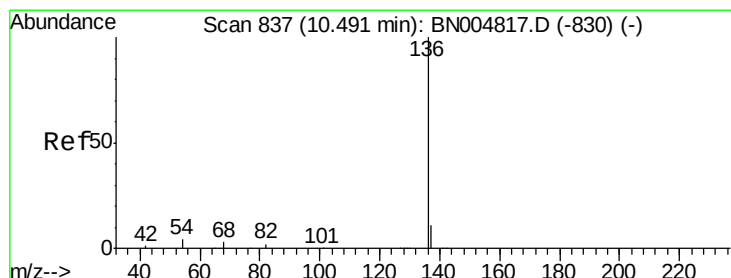
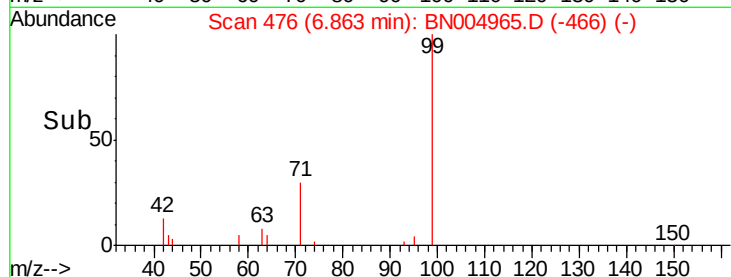
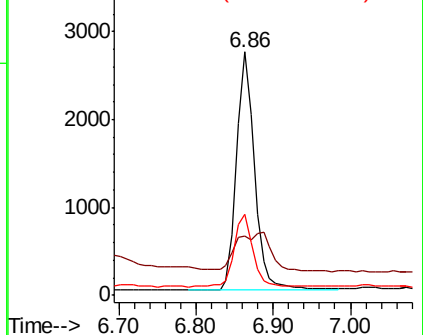
71 32.1 26.6 40.0



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: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

Tgt Ion: 136 Resp: 16806

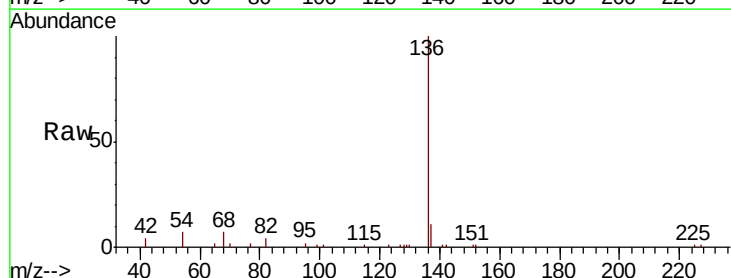
Ion Ratio Lower Upper

136 100

137 11.4 9.6 14.4

54 7.5 4.2 6.2#

68 6.5 3.9 5.9#

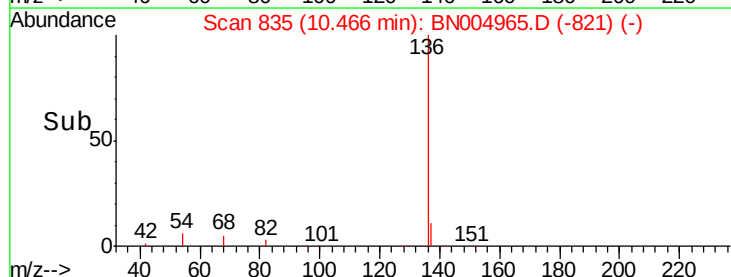
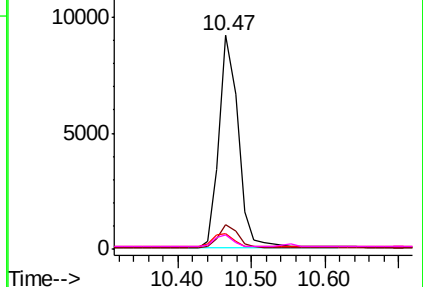


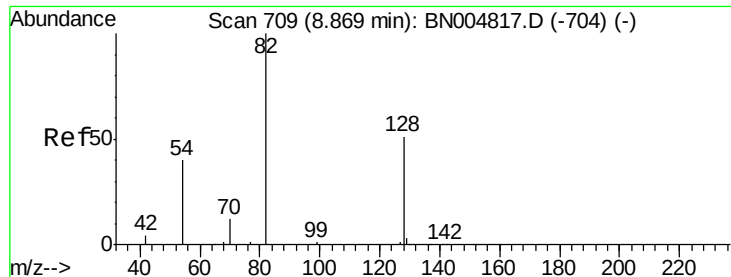
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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: 0.309 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919

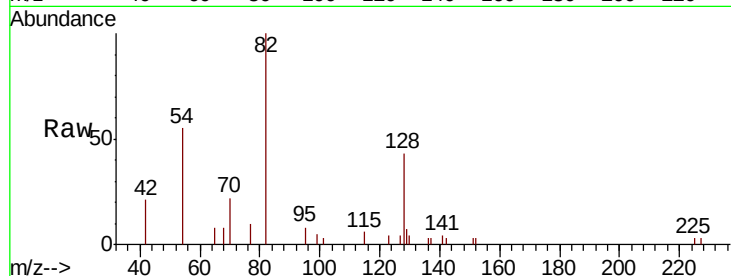
Tgt Ion: 82 Resp: 3437

Ion Ratio Lower Upper

82 100

128 42.8 43.0 64.6#

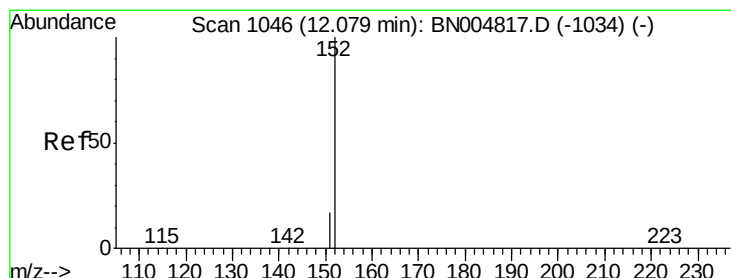
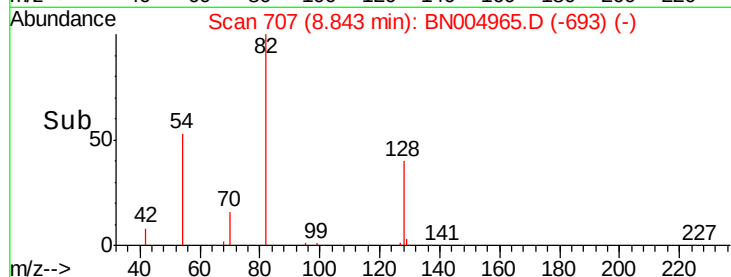
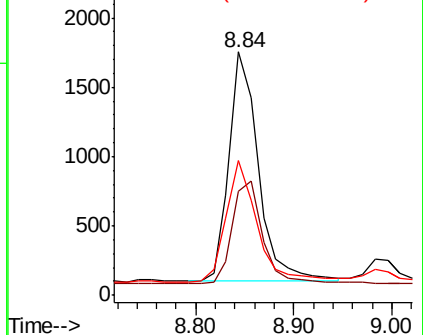
54 55.1 35.3 52.9#



Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.251 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004965.D

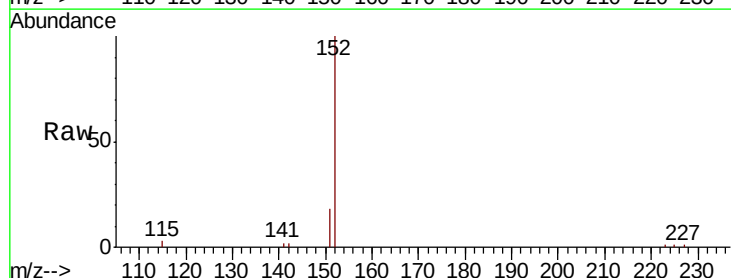
Acq: 25 Mar 2019 17:43

Tgt Ion: 152 Resp: 7375

Ion Ratio Lower Upper

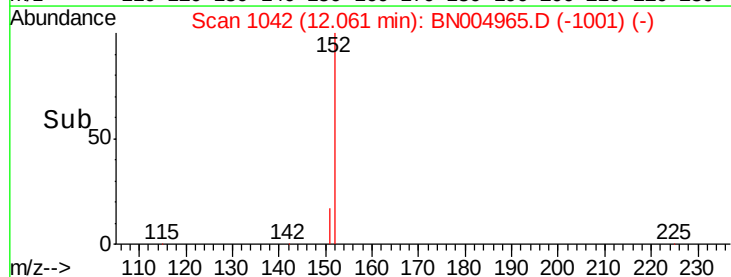
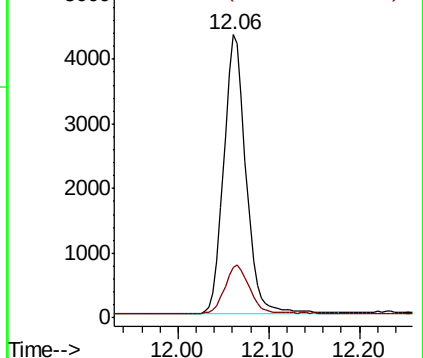
152 100

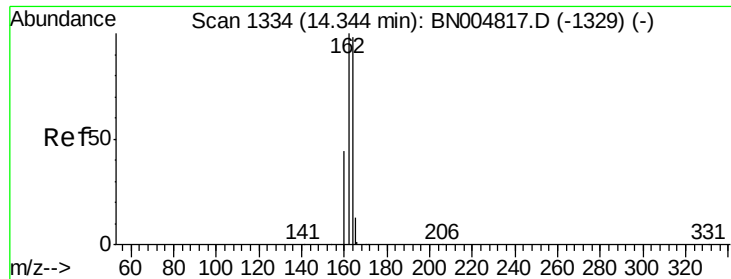
151 19.5 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

Ion 151.00 (150.70 to 151.70): BN004817.D (-1034) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919

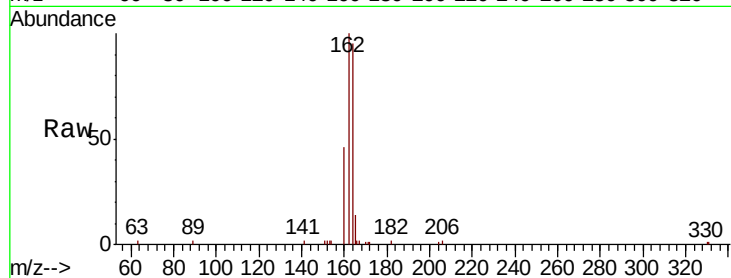
Tgt Ion:164 Resp: 8342

Ion Ratio Lower Upper

164 100

162 105.8 81.9 122.9

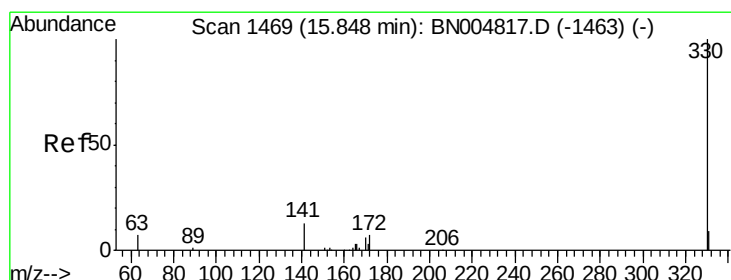
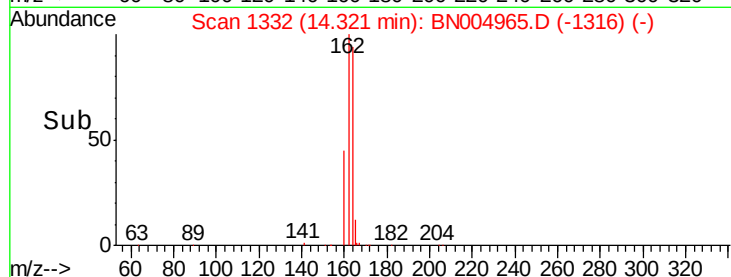
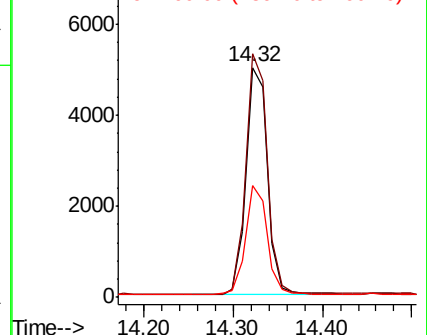
160 48.7 36.6 54.8



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: 0.229 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

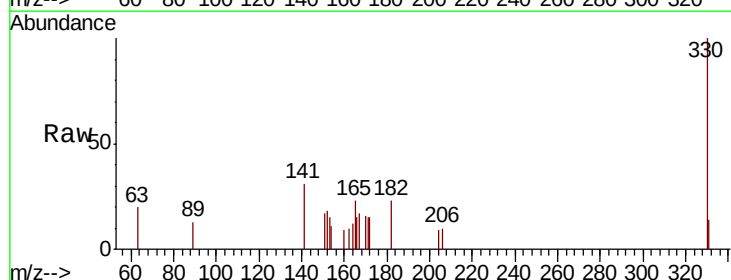
Tgt Ion:330 Resp: 1317

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

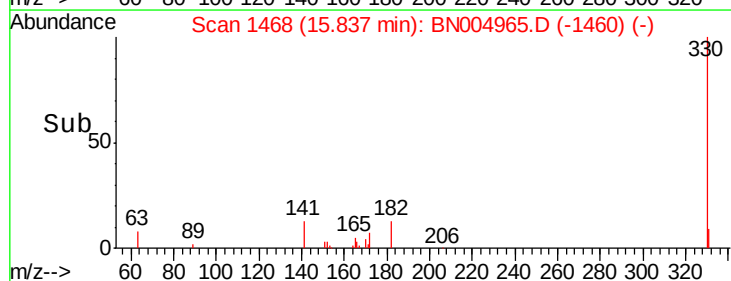
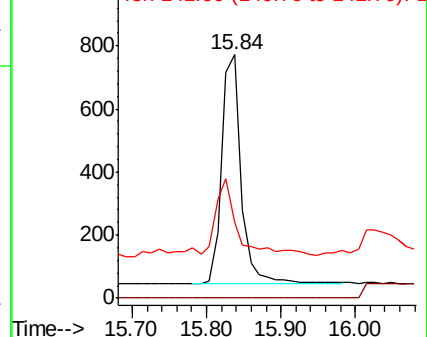
141 38.6 20.9 31.3#

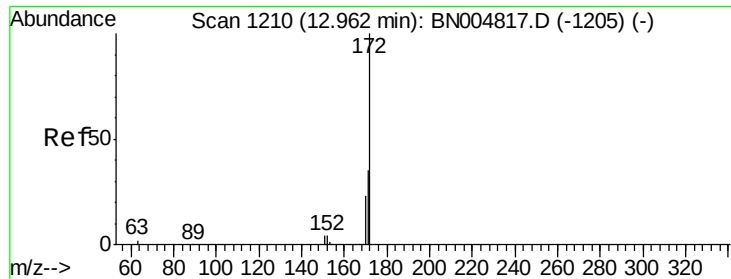


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

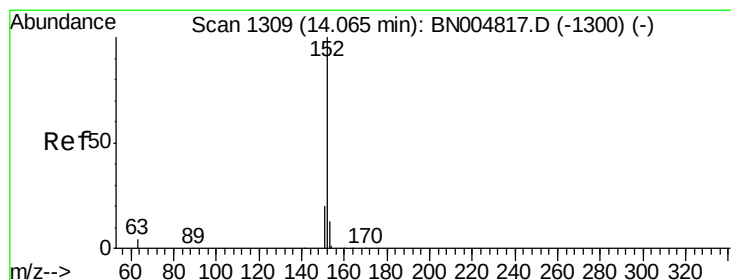
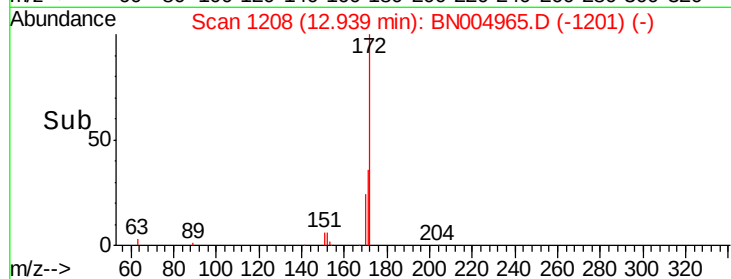
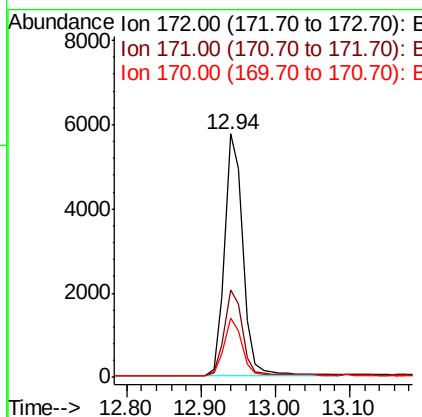
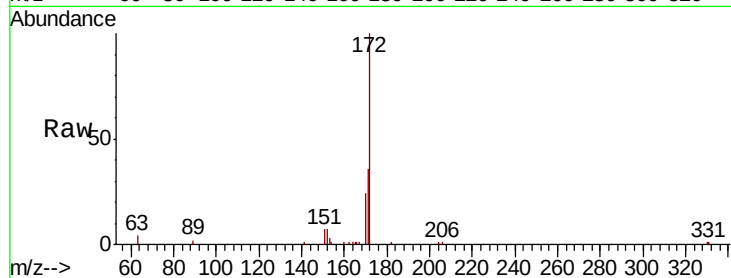




#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

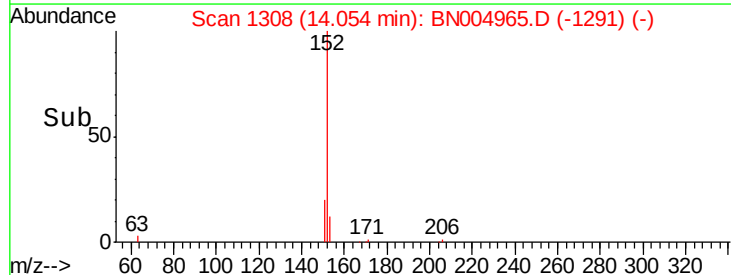
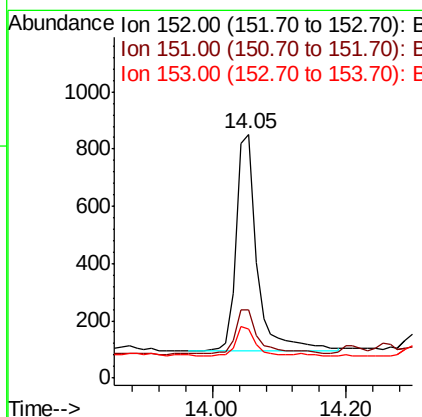
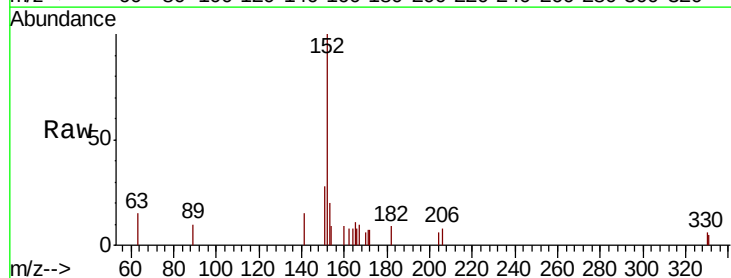
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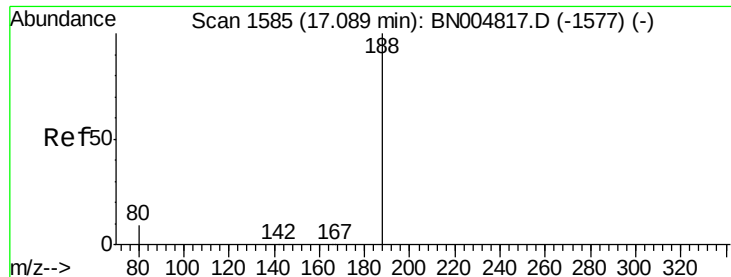
Tgt Ion:172 Resp: 9769
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 24.5 18.7 28.1



#16
Acenaphthylene
Concen: 0.038 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

Tgt Ion:152 Resp: 1626
Ion Ratio Lower Upper
152 100
151 24.0 16.1 24.1
153 13.6 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: BN004965.D

Acq: 25 Mar 2019 17:43

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919

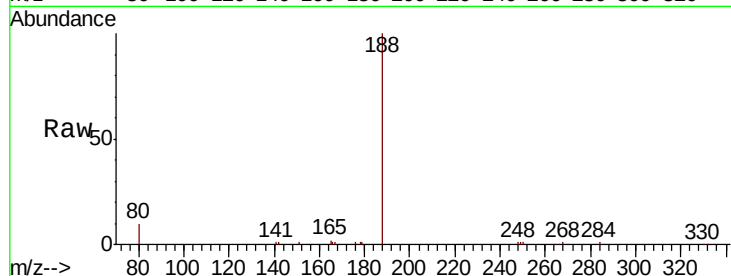
Tgt Ion:188 Resp: 16526

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

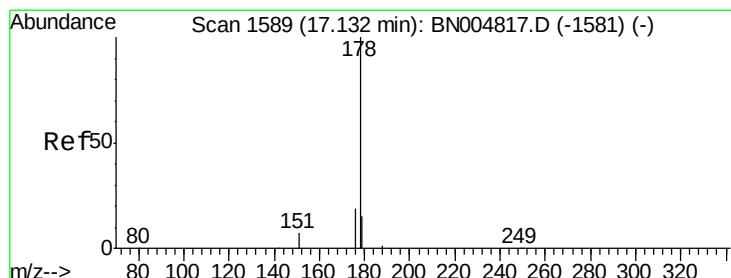
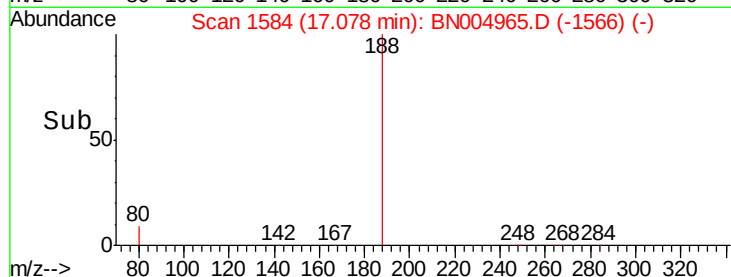
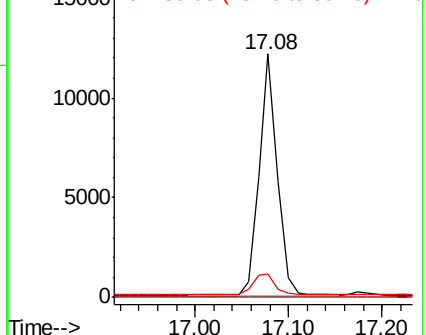
80 9.7 7.4 11.2



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: 0.335 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

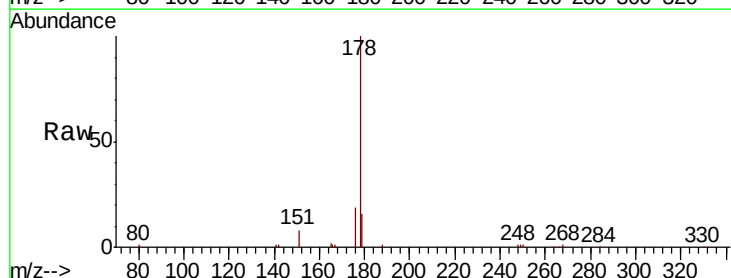
Tgt Ion:178 Resp: 17902

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

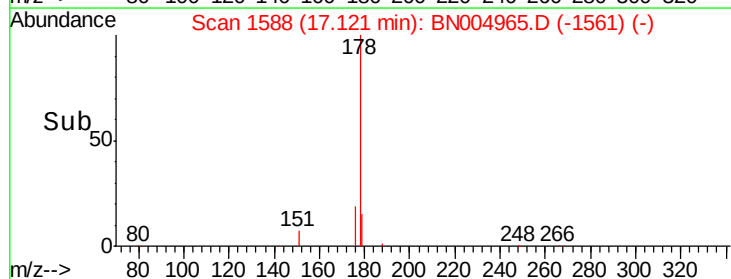
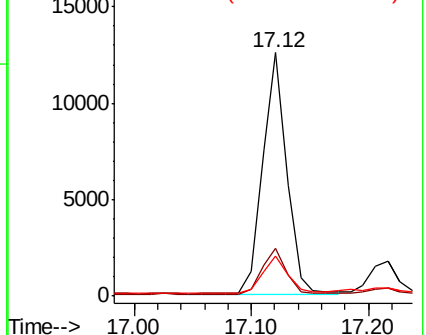
179 16.5 12.1 18.1

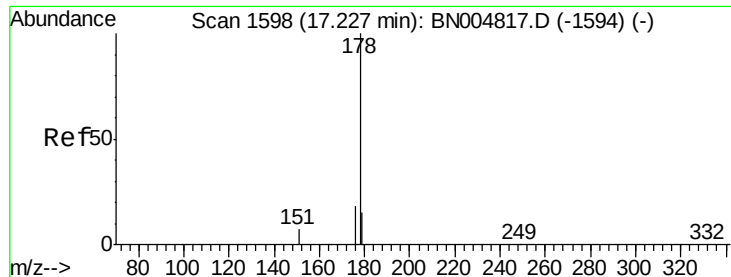


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.053 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004965.D

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PST-025-B028-031919

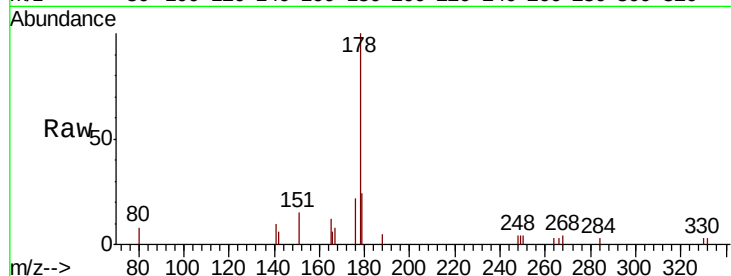
Tgt Ion:178 Resp: 2521

Ion Ratio Lower Upper

178 100

176 18.0 14.5 21.7

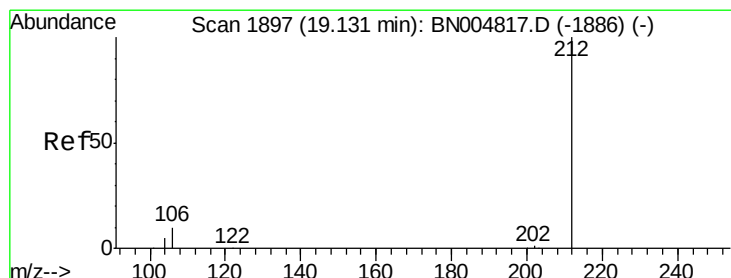
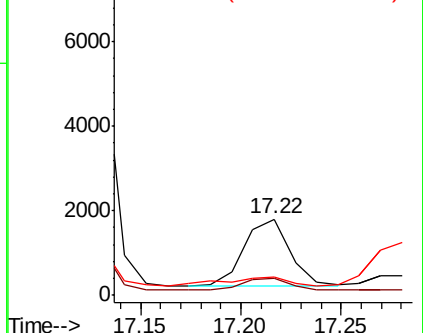
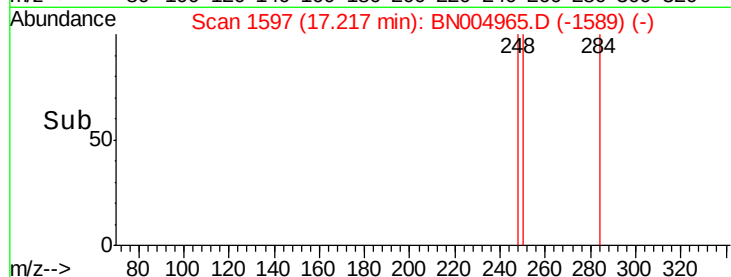
179 19.2 12.2 18.4#



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: 0.234 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

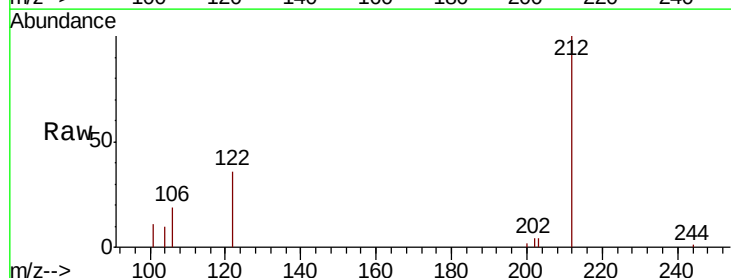
Tgt Ion:212 Resp: 12925

Ion Ratio Lower Upper

212 100

106 32.5 8.6 13.0#

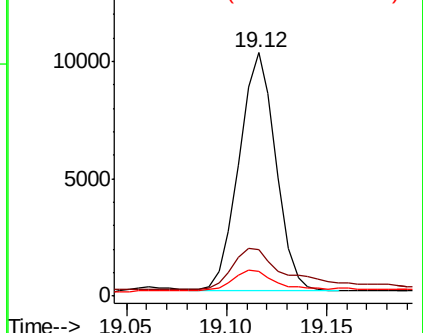
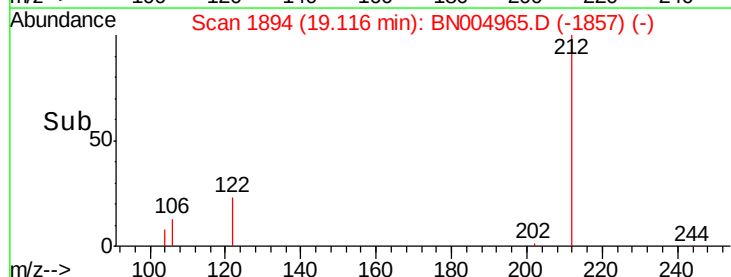
104 12.6 4.7 7.1#

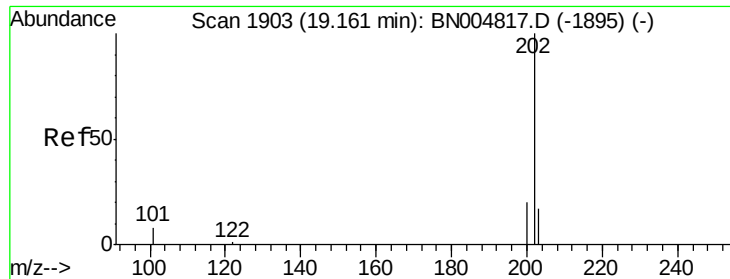


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

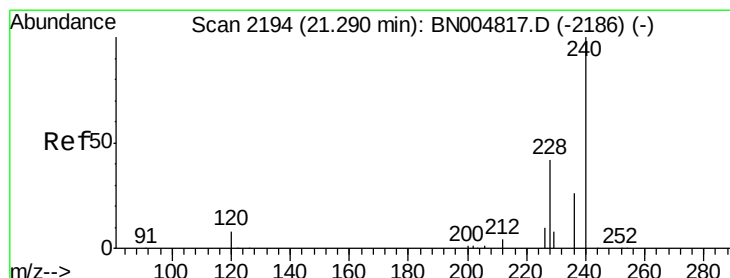
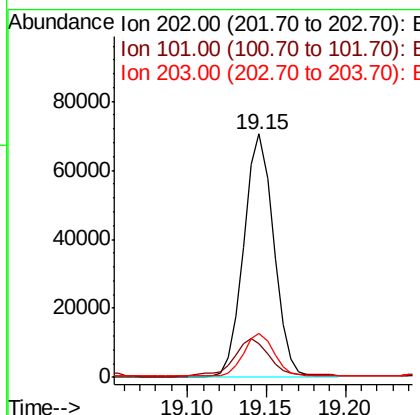
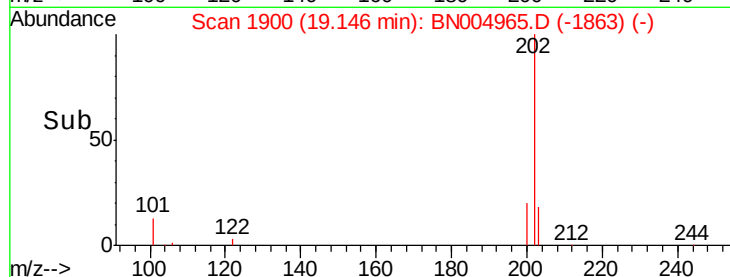
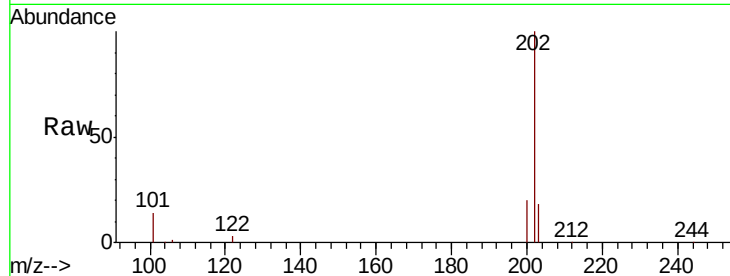




#26
Fluoranthene
Concen: 1.336 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

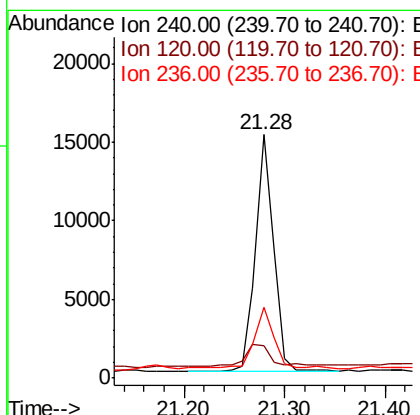
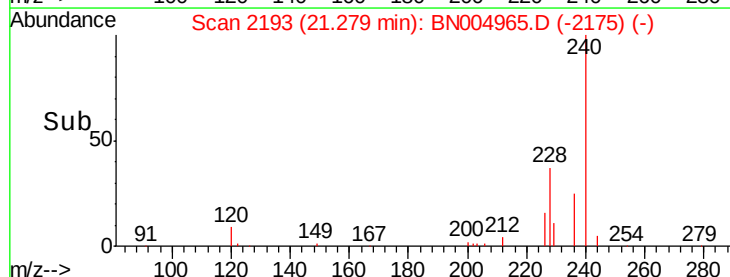
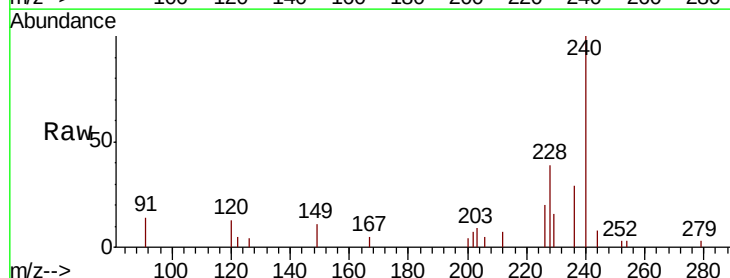
Instrument :
BNA_N
ClientSampleId :
PST-025-B028-031919

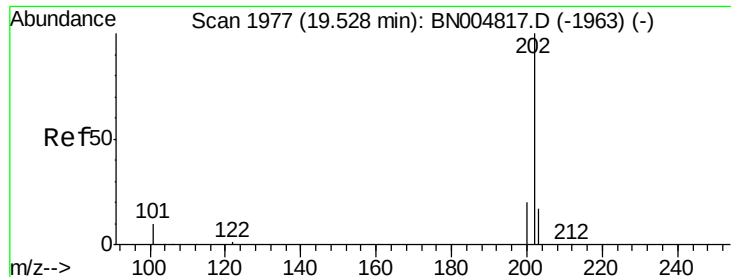
Tgt Ion: 202 Resp: 91639
Ion Ratio Lower Upper
202 100
101 20.4 7.5 11.3#
203 17.8 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

Tgt Ion: 240 Resp: 18986
Ion Ratio Lower Upper
240 100
120 13.4 7.2 10.8#
236 29.1 20.9 31.3

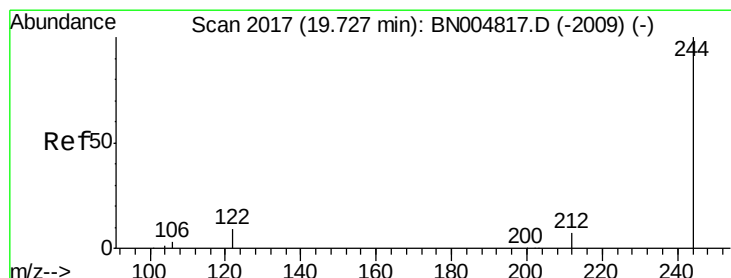
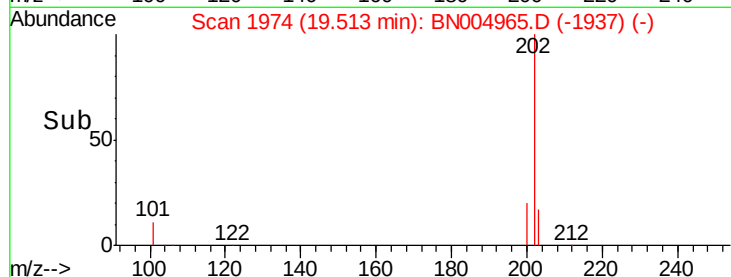
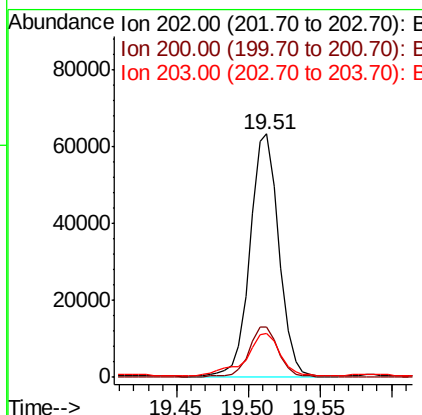
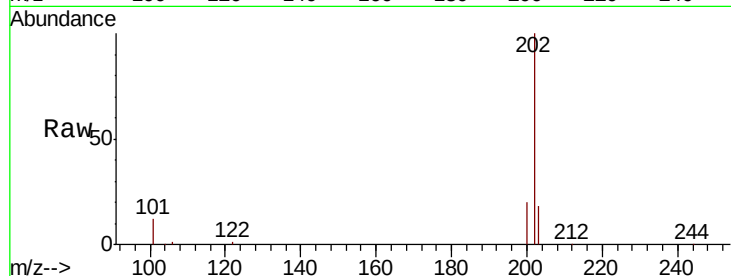




#28
 Pyrene
 Concen: 1.525 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.02 min
 Lab File: BN004965.D
 Acq: 25 Mar 2019 17:43

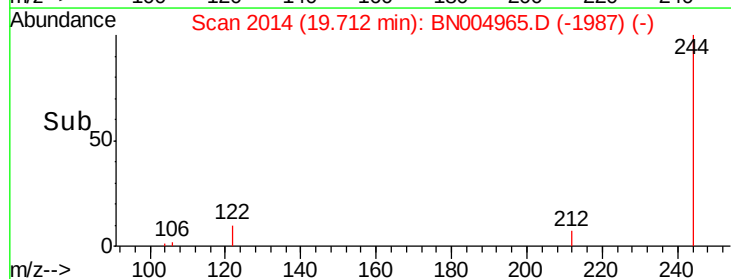
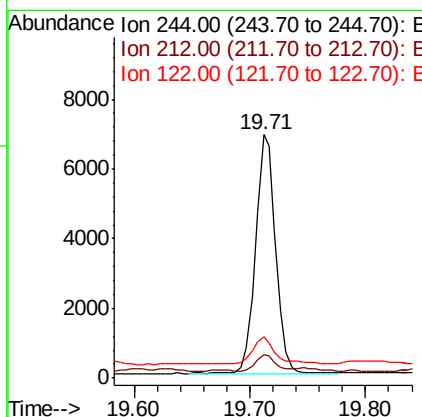
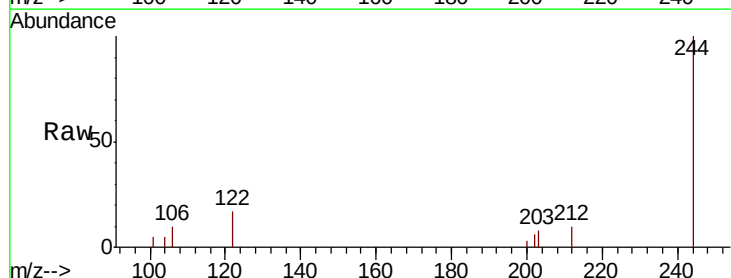
Instrument :
 BNA_N
 ClientSampleId :
 PST-025-B028-031919

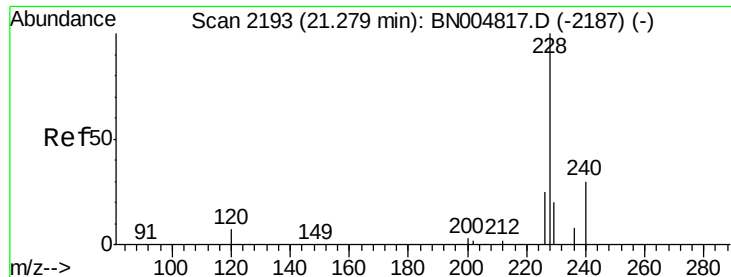
Tgt Ion: 202 Resp: 88307
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.3 24.5
 203 20.5 14.0 21.0



#29
 Terphenyl-d14
 Concen: 0.214 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BN004965.D
 Acq: 25 Mar 2019 17:43

Tgt Ion: 244 Resp: 8327
 Ion Ratio Lower Upper
 244 100
 212 9.8 5.8 8.6#
 122 16.9 7.9 11.9#





#30

Benzo(a)anthracene

Concen: 0.508 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919

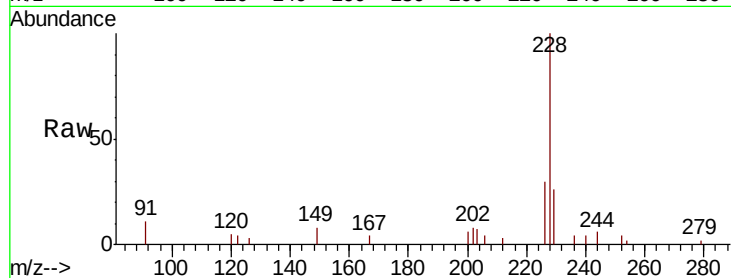
Tgt Ion:228 Resp: 31643

Ion Ratio Lower Upper

228 100

226 30.4 20.6 31.0

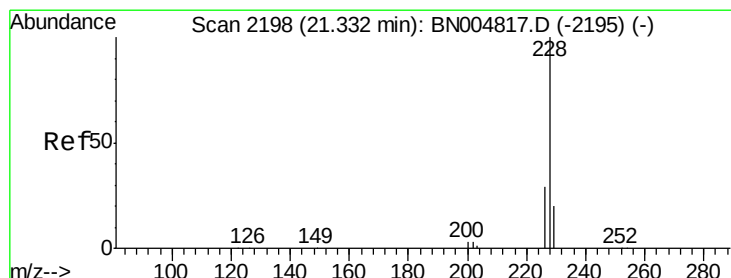
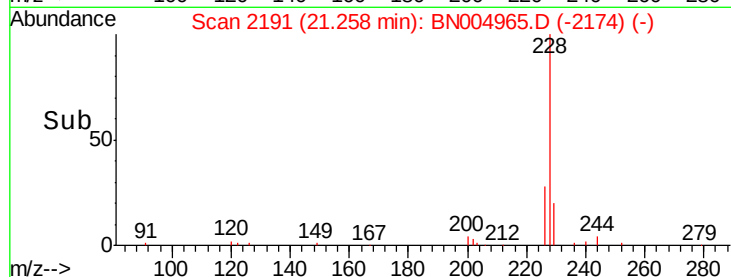
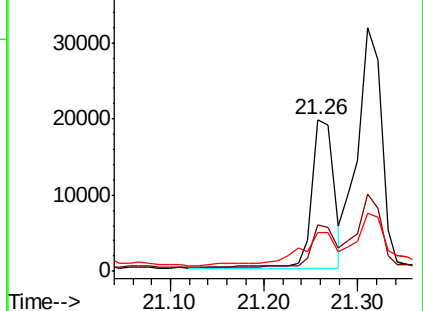
229 25.5 16.2 24.4#



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: 0.846 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

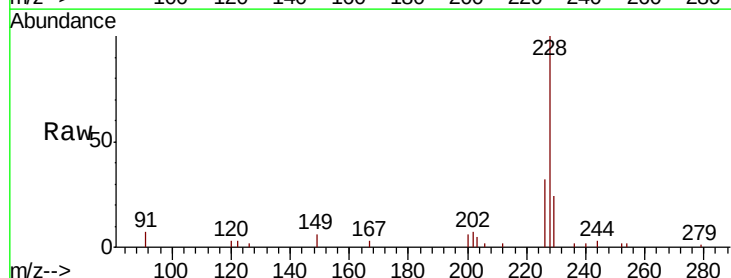
Tgt Ion:228 Resp: 55500

Ion Ratio Lower Upper

228 100

226 31.8 23.0 34.6

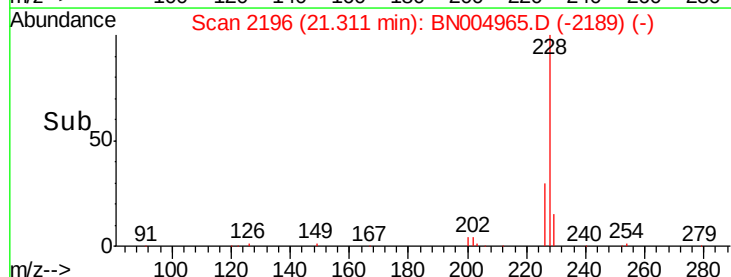
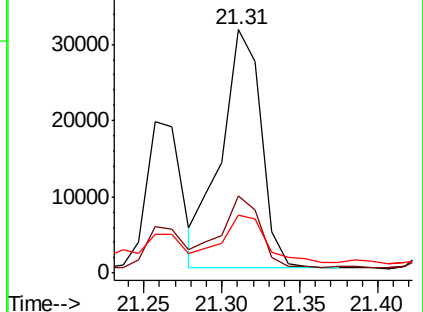
229 23.6 16.2 24.2

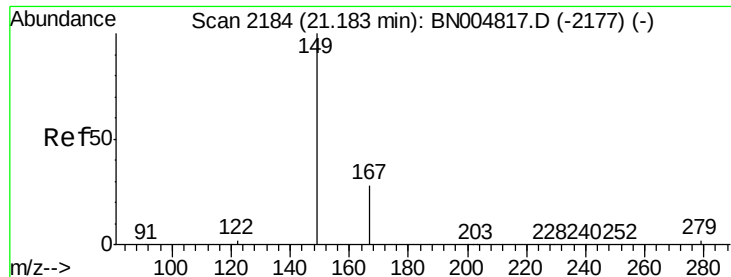


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

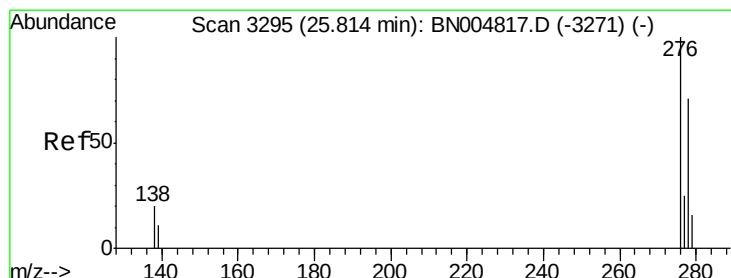
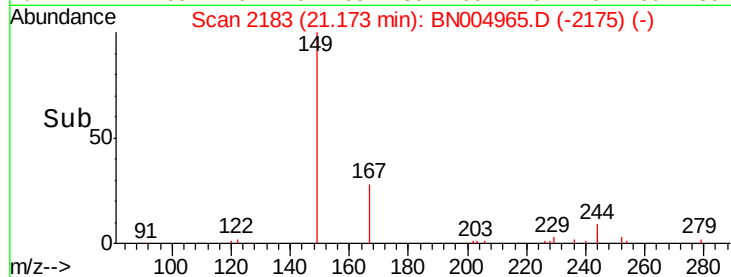
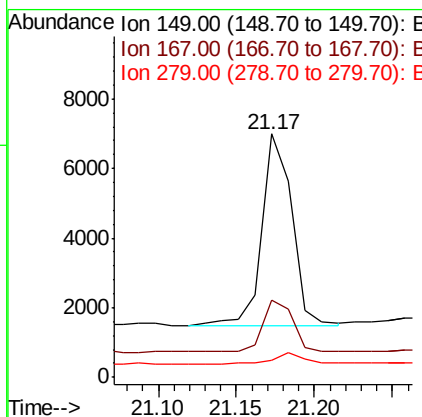
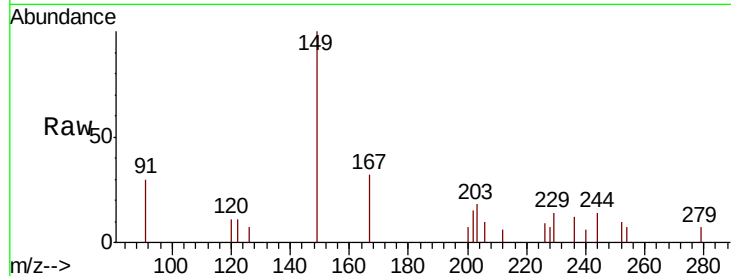




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.293 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004965.D
 Acq: 25 Mar 2019 17:43

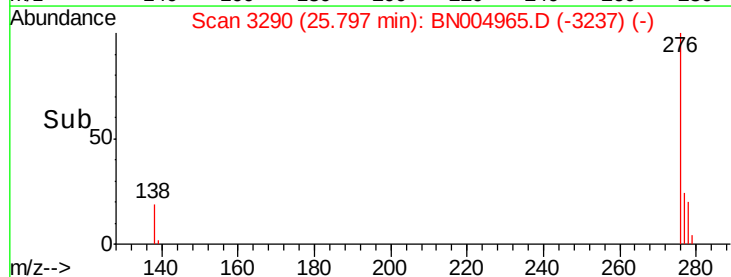
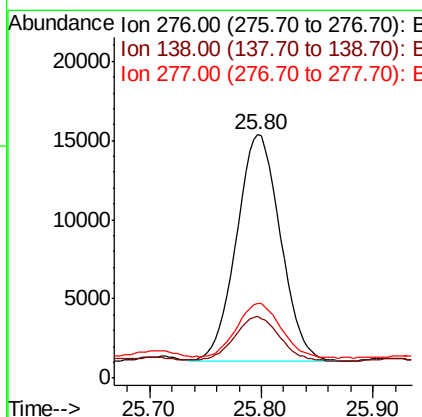
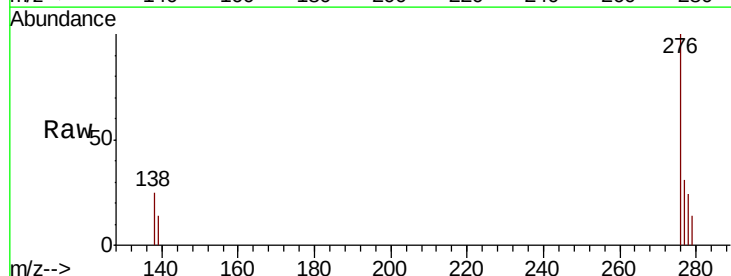
Instrument :
 BNA_N
 ClientSampleId :
 PST-025-B028-031919

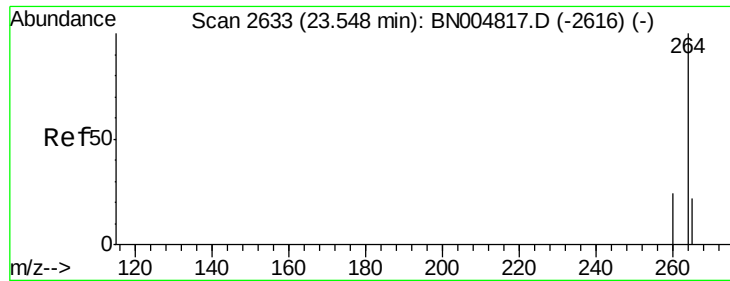
Tgt Ion: 149 Resp: 7290
 Ion Ratio Lower Upper
 149 100
 167 27.5 23.0 34.4
 279 6.1 4.6 6.8



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.409 ng
 RT: 25.80 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BN004965.D
 Acq: 25 Mar 2019 17:43

Tgt Ion: 276 Resp: 38802
 Ion Ratio Lower Upper
 276 100
 138 19.9 16.6 24.8
 277 24.5 20.3 30.5

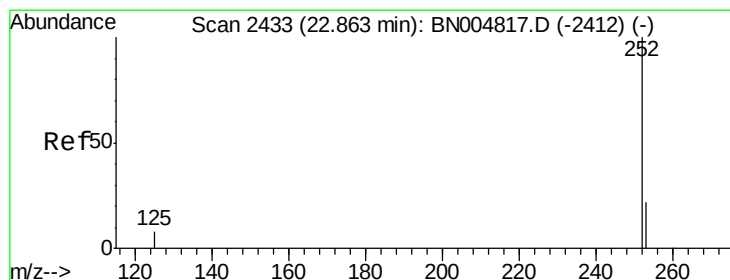
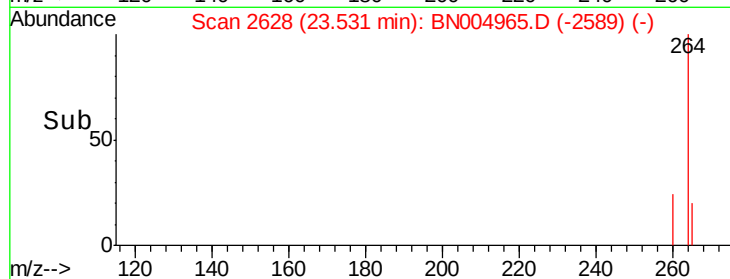
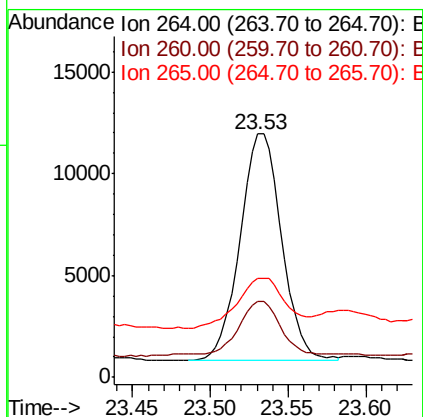
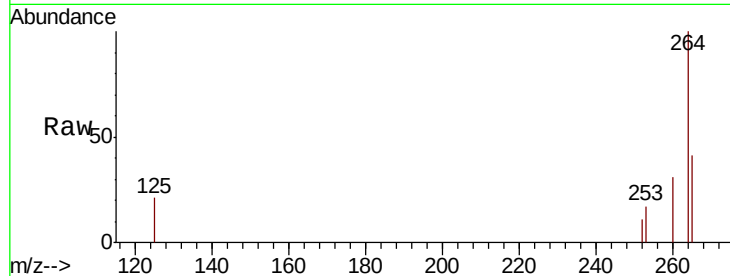




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BN004965.D
 Acq: 25 Mar 2019 17:43

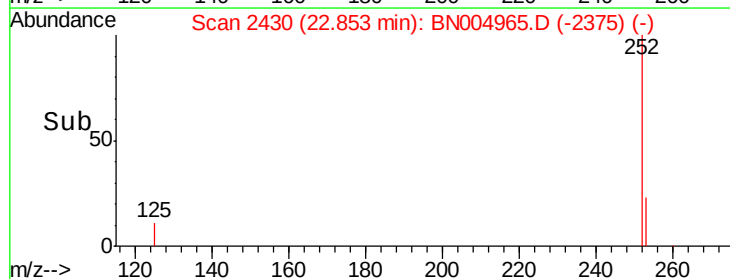
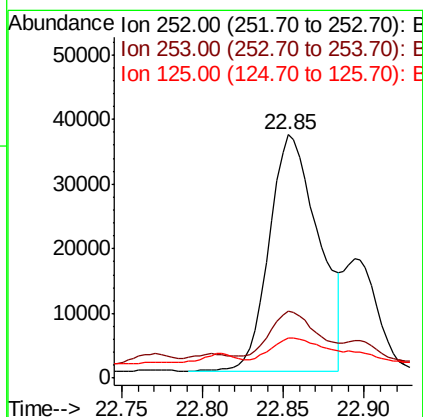
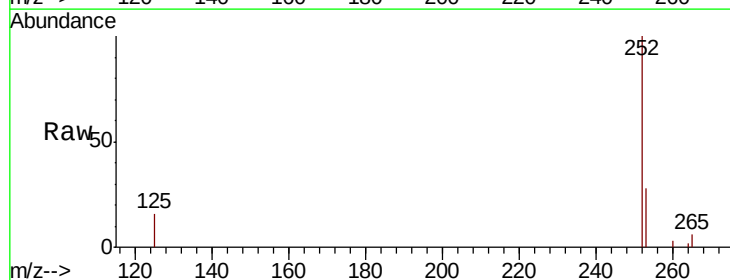
Instrument :
 BNA_N
 ClientSampleId :
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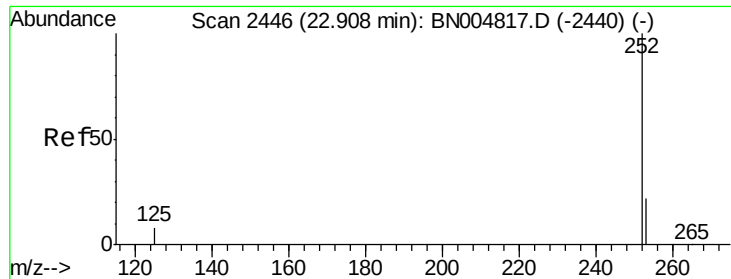
Tgt Ion:264 Resp: 20710
 Ion Ratio Lower Upper
 264 100
 260 31.3 19.5 29.3#
 265 40.8 23.1 34.7#



#35
Benzo(b)fluoranthene
 Concen: 1.031 ng
 RT: 22.85 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BN004965.D
 Acq: 25 Mar 2019 17:43

Tgt Ion:252 Resp: 77265
 Ion Ratio Lower Upper
 252 100
 253 27.6 19.0 28.4
 125 16.3 7.4 11.2#

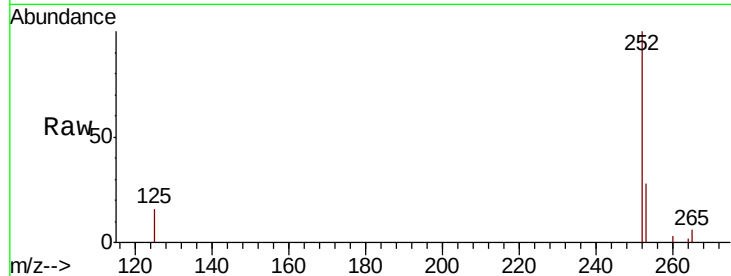




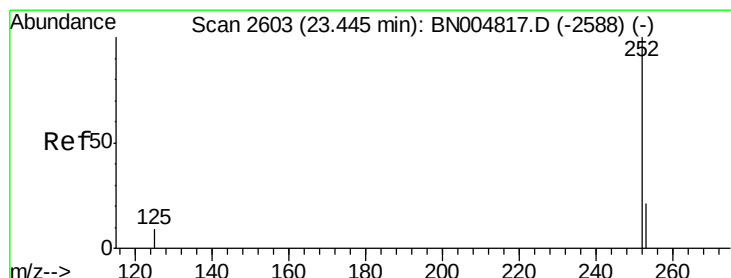
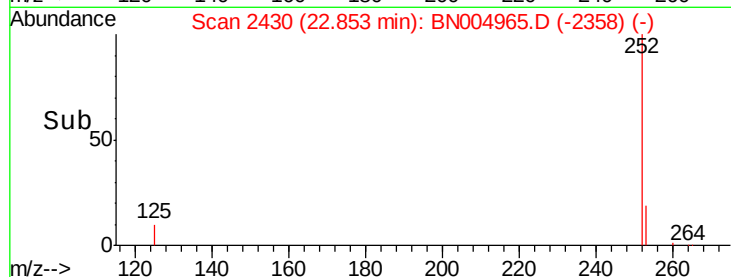
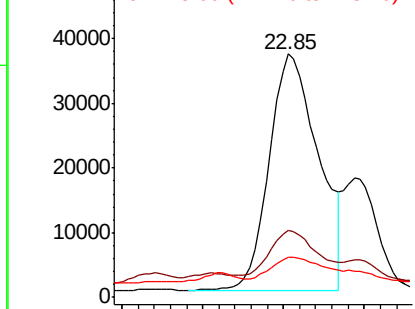
#36
Benzo(k)fluoranthene
Concen: 1.048 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.05 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-025-B028-031919

Tgt Ion:252 Resp: 77265
Ion Ratio Lower Upper
252 100
253 27.6 19.3 28.9
125 16.3 7.4 11.0#

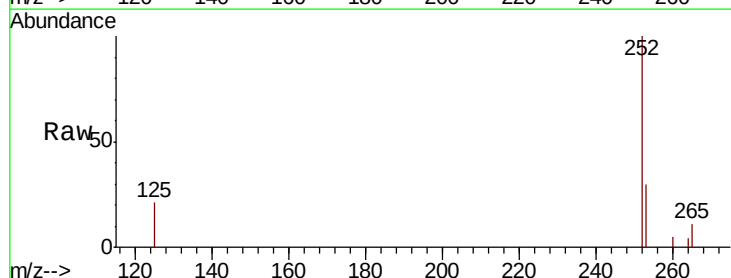


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

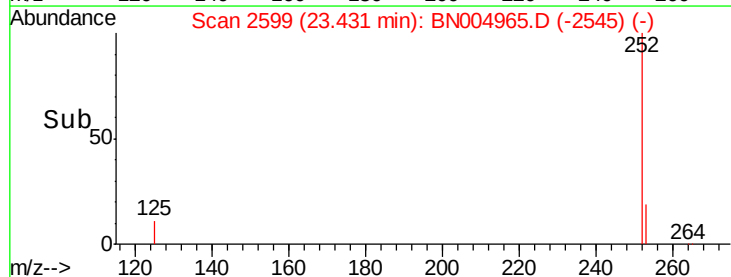
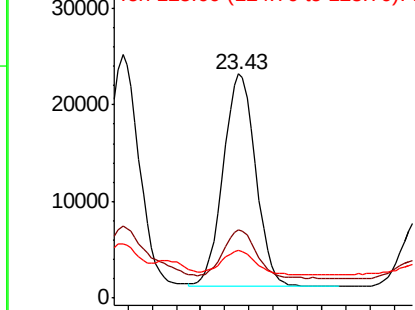


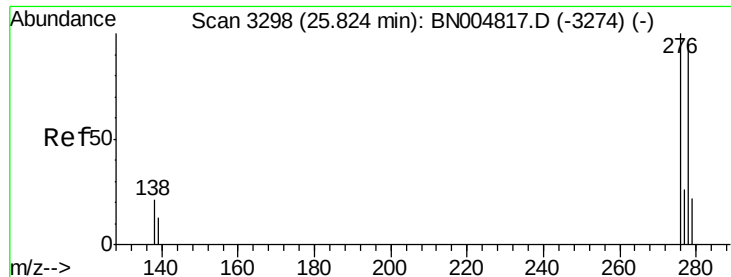
#37
Benzo(a)pyrene
Concen: 0.597 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

Tgt Ion:252 Resp: 41010
Ion Ratio Lower Upper
252 100
253 30.3 19.7 29.5#
125 21.2 8.3 12.5#



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





#38

Dibenzo(a,h)anthracene

Concen: 0.125 ng

RT: 25.80 min Scan# 3291

Delta R.T. -0.02 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919

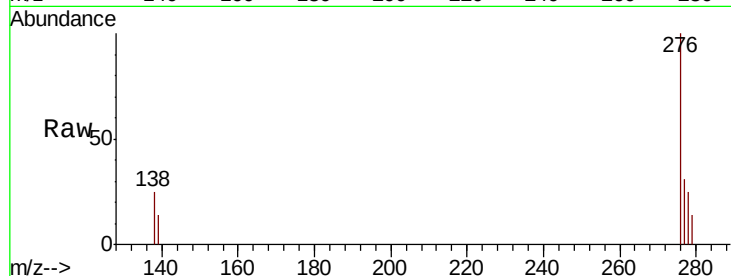
Tgt Ion: 278 Resp: 9915

Ion Ratio Lower Upper

278 100

139 56.2 11.7 17.5#

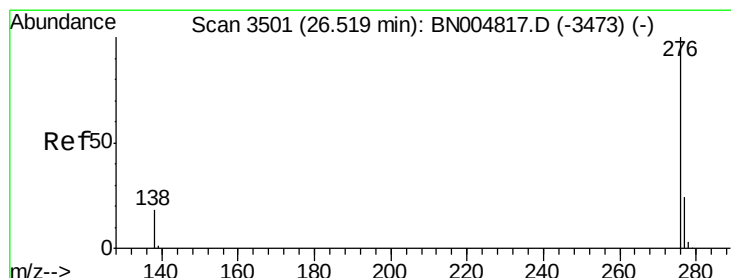
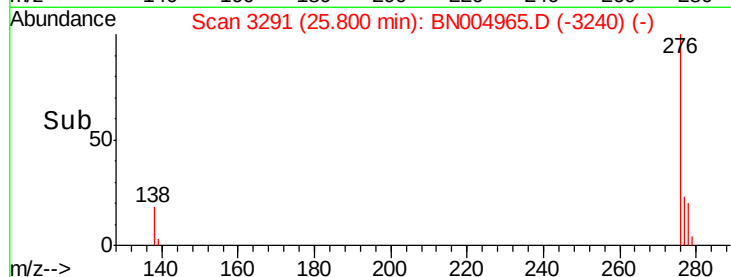
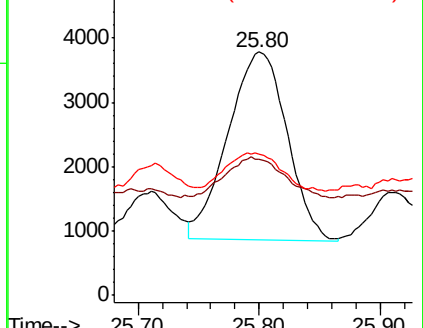
279 58.1 19.9 29.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.571 ng

RT: 26.50 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

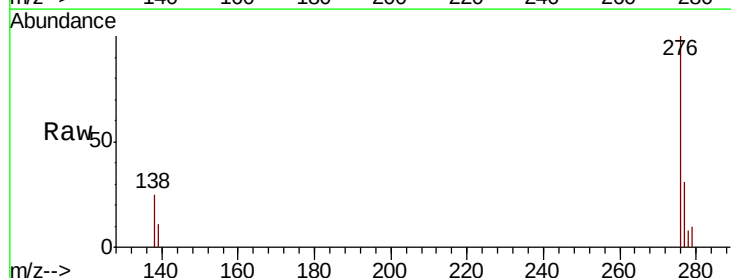
Tgt Ion: 276 Resp: 46287

Ion Ratio Lower Upper

276 100

277 30.6 19.7 29.5#

138 25.2 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

