

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 01:56:44 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

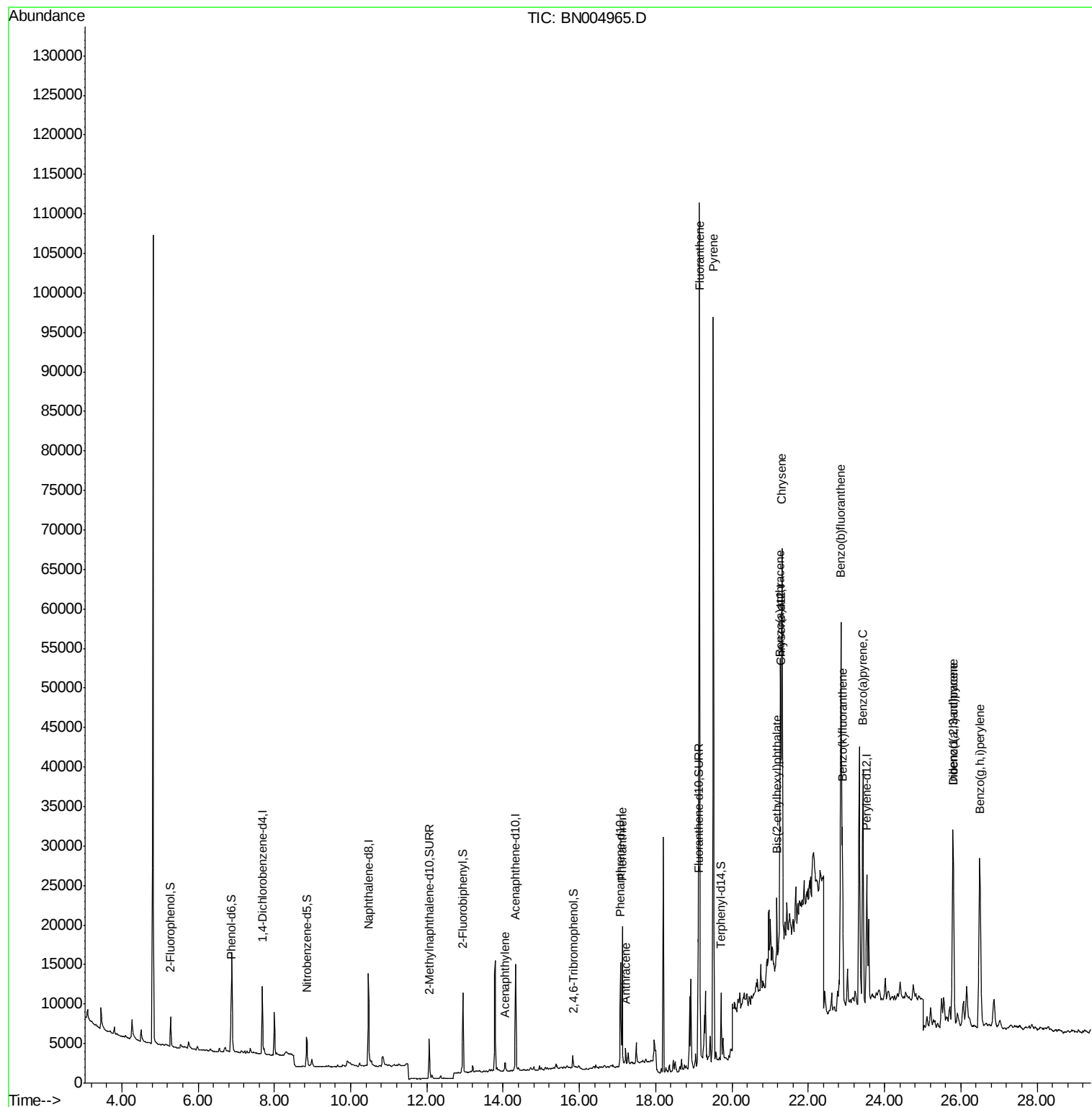
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	14.05	152	1626	0.038	ng	94
23) Phenanthrene	17.12	178	17902	0.335	ng	98
24) Anthracene	17.22	178	2521	0.053	ng	# 96
26) Fluoranthene	19.15	202	91639	1.336	ng	# 89
28) Pyrene	19.51	202	88307	1.525	ng	97
30) Benzo(a)anthracene	21.26	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	22.89	252	25922m	0.352	ng	
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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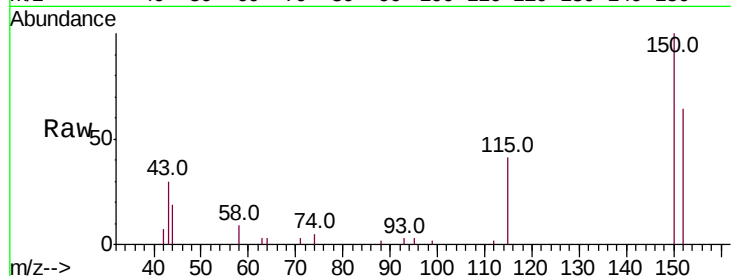


#1

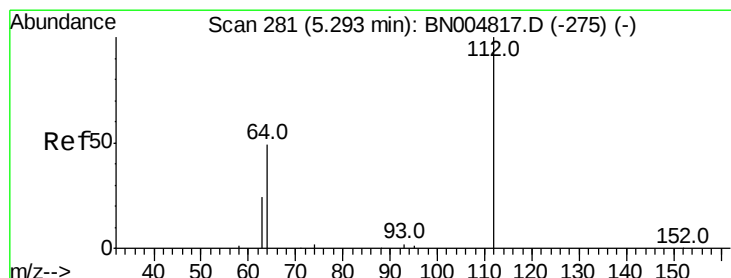
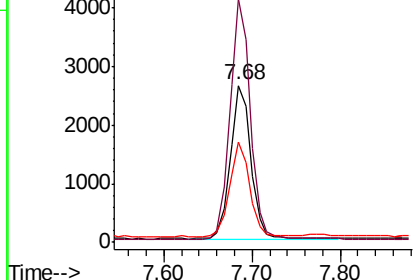
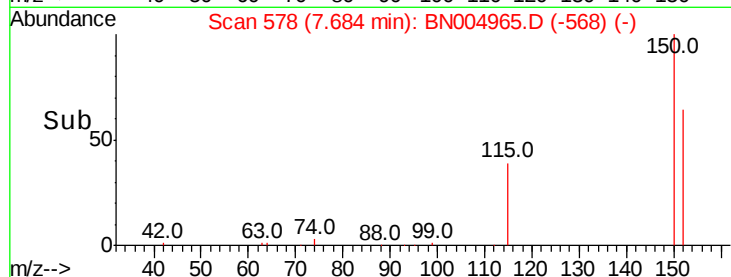
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.68 min Scan# 578
 Delta R.T. -0.02 min
 Lab File: BN004965.D
 Acq: 25 Mar 2019 17:43

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

Tot Ion:152 Resp: 4197
 Ion Ratio Lower Upper
 152 100
 150 155.3 126.2 189.4
 115 63.7 52.6 79.0



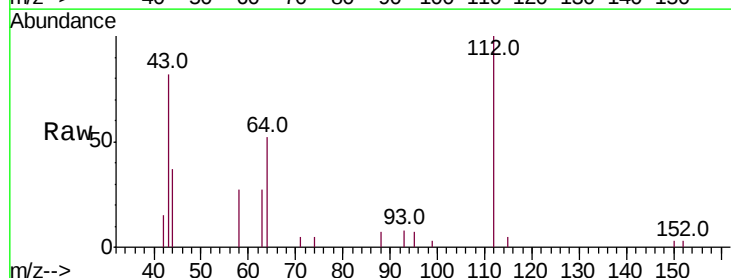
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



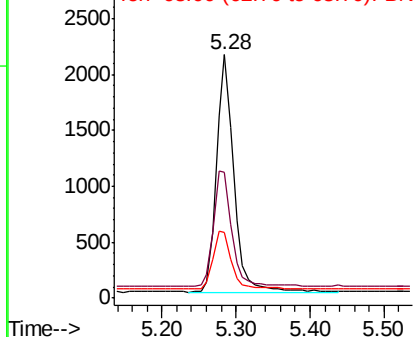
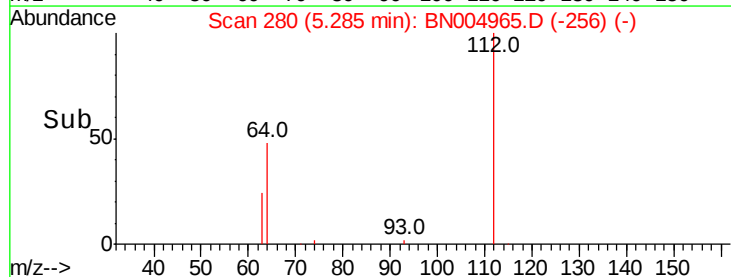
#4

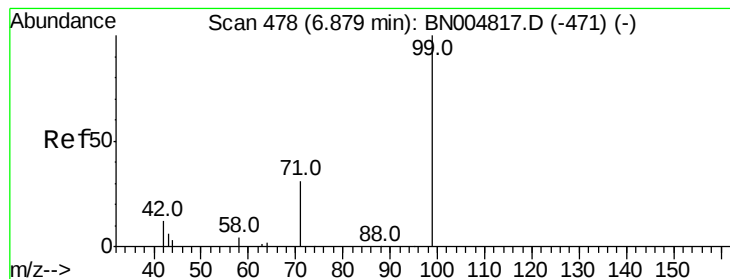
2-Fluorophenol
 Concen: 0.302 ng
 RT: 5.28 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: BN004965.D
 Acq: 25 Mar 2019 17:43

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

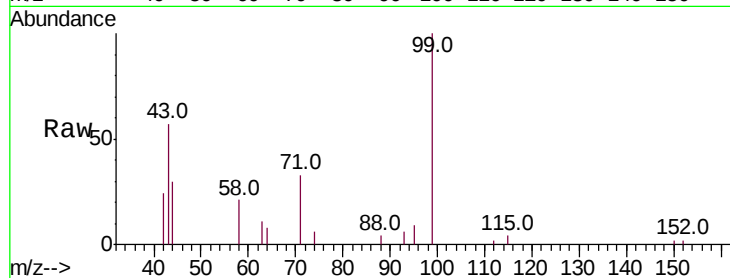
Tot Ion: 99 Resp: 4350

Ion Ratio Lower Upper

99 100

42 0.0 12.7 19.1#

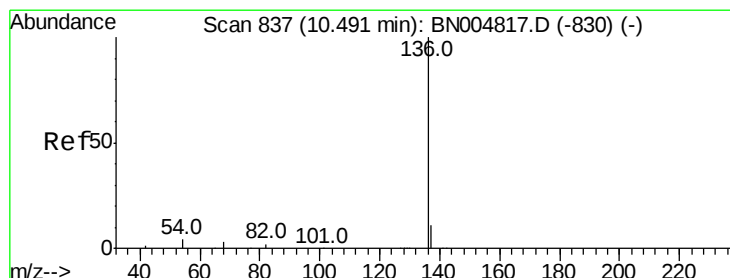
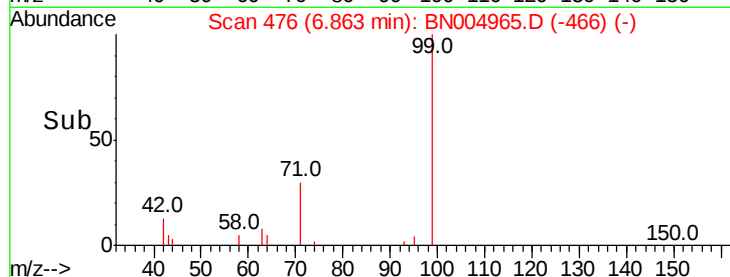
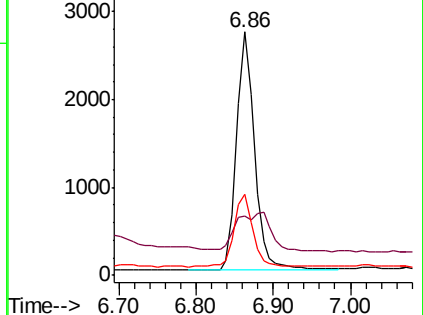
71 32.1 26.6 40.0



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

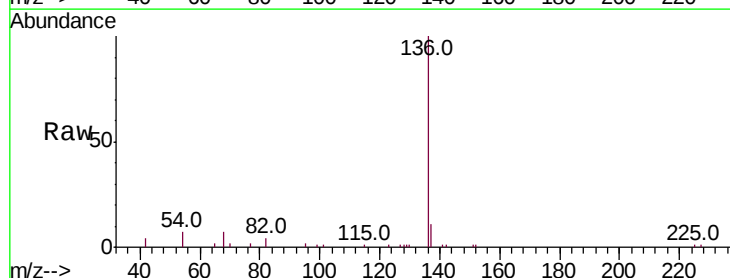
Ion Ratio Lower Upper

136 100

137 11.4 9.6 14.4

54 7.5 4.2 6.2#

68 6.5 3.9 5.9#

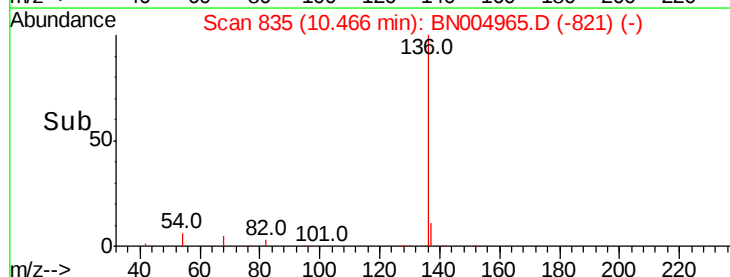
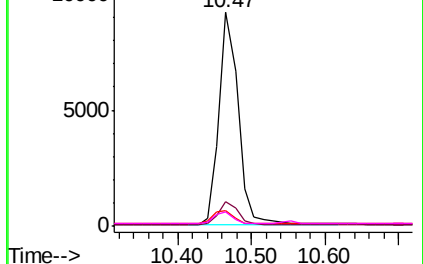


Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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

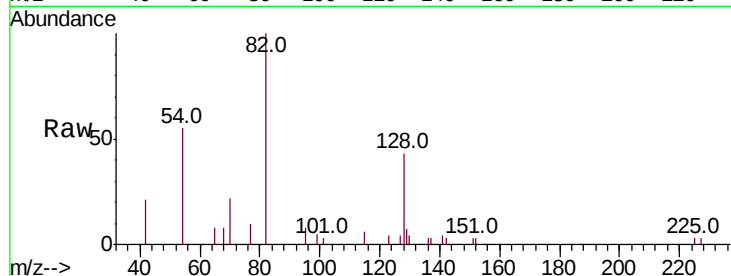
Tot Ion: 82 Resp: 3437

Ion Ratio Lower Upper

82 100

128 42.8 43.0 64.6#

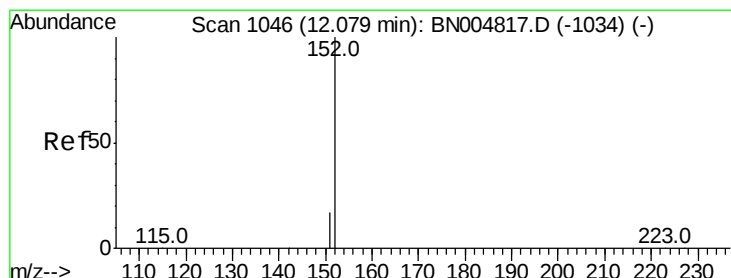
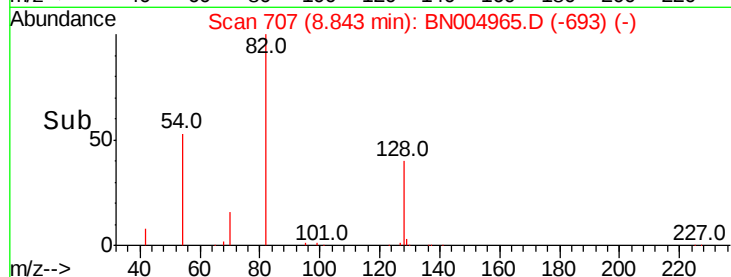
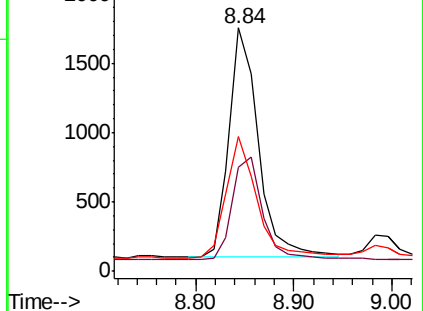
54 55.1 35.3 52.9#



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

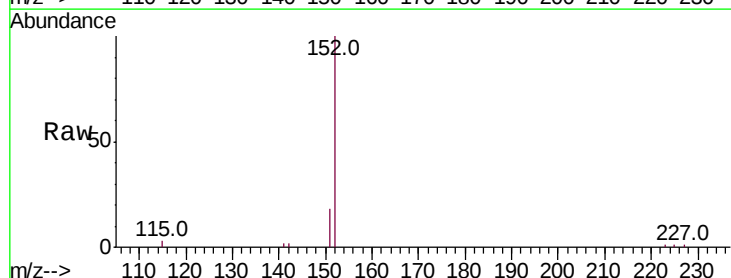
Acq: 25 Mar 2019 17:43

Tgt Ion: 152 Resp: 7375

Ion Ratio Lower Upper

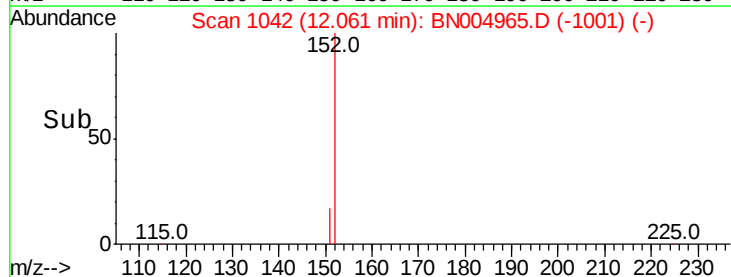
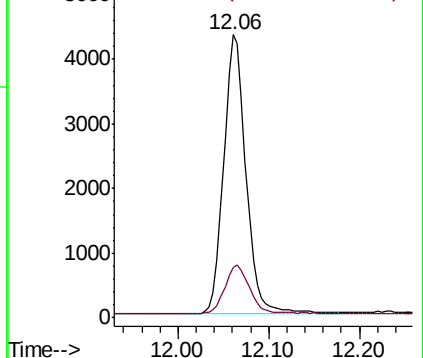
152 100

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

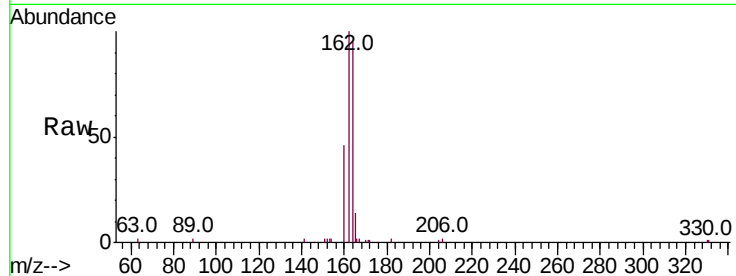
Tot Ion:164 Resp: 8342

Ion Ratio Lower Upper

164 100

162 105.8 81.9 122.9

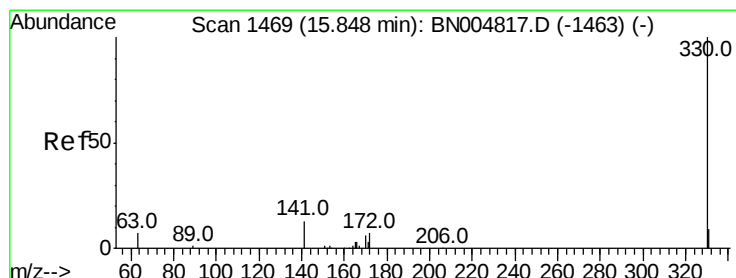
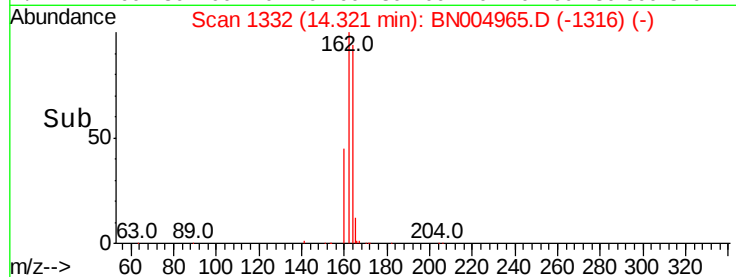
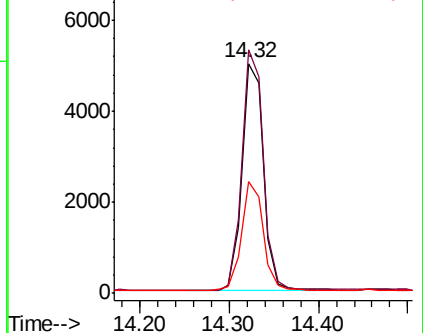
160 48.7 36.6 54.8



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

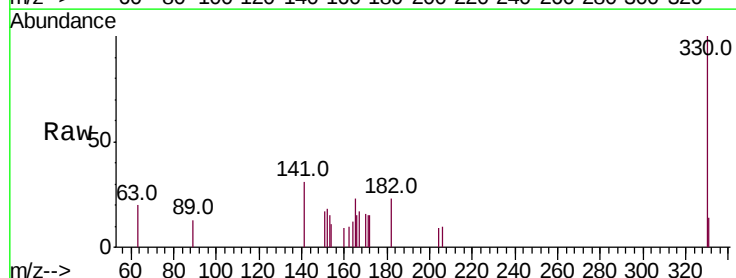
Tgt Ion:330 Resp: 1317

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

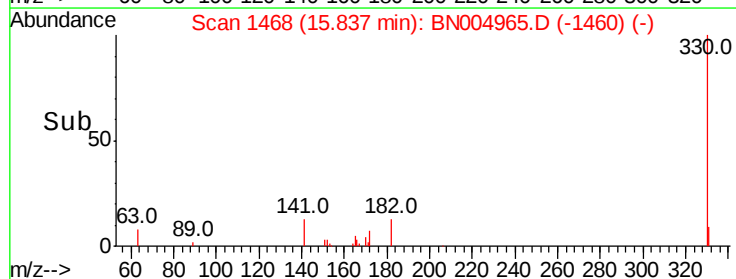
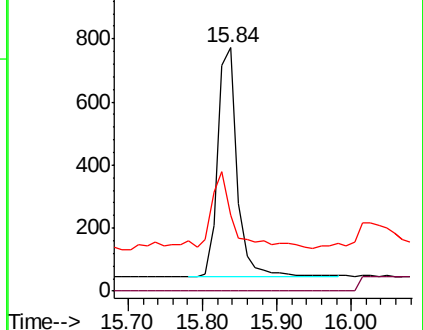
141 38.6 20.9 31.3#

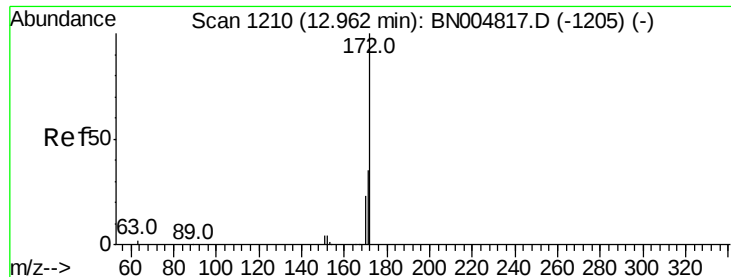


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

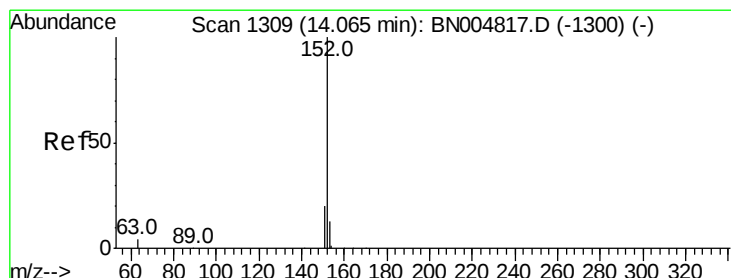
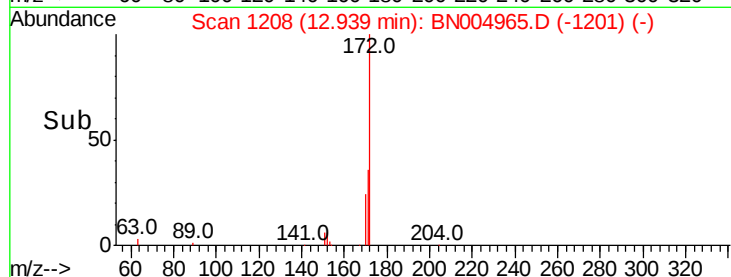
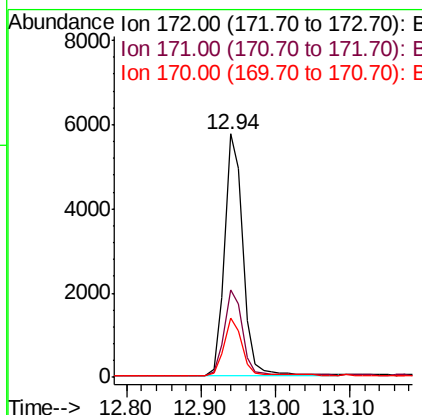
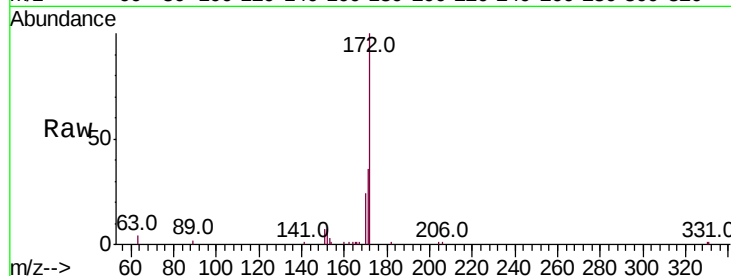




#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

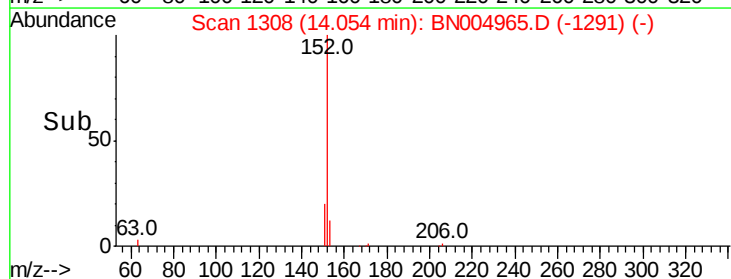
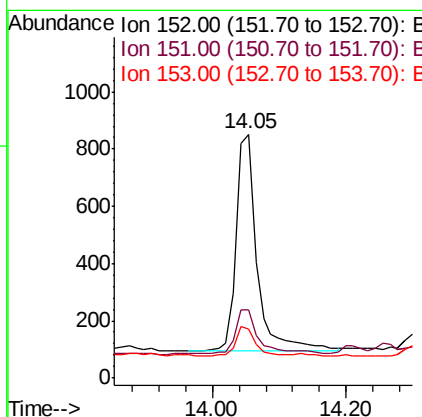
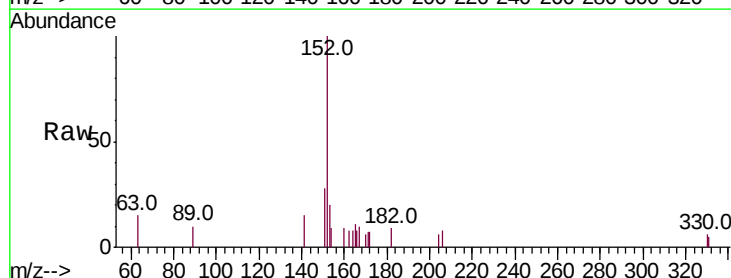
Instrument :
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PST-025-B028-031919

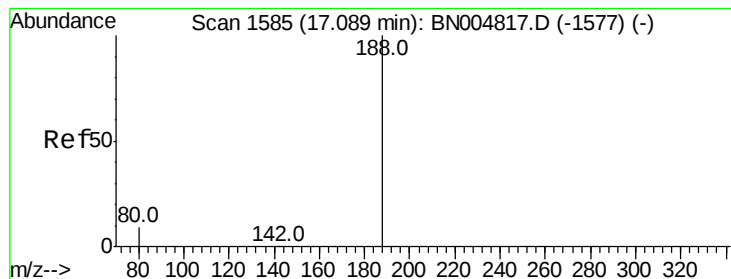
Tot Ion:172 Resp: 9769
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 24.5 18.7 28.1



#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

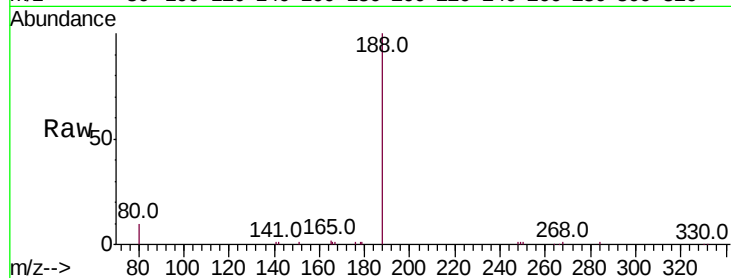
Tot Ion:188 Resp: 16526

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

15000

10000

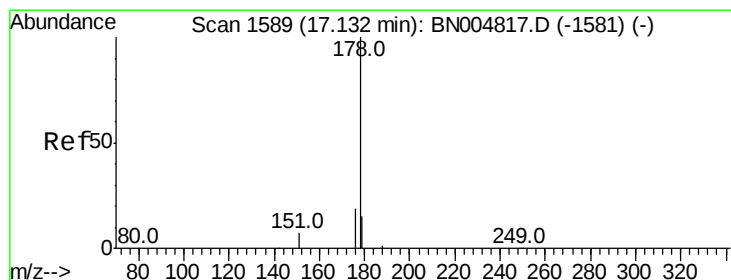
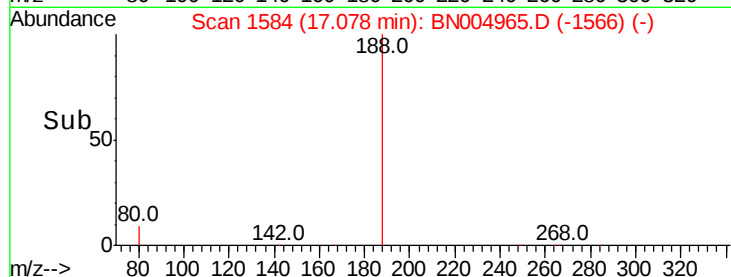
5000

0

17.08

17.00 17.10 17.20

Time-->



#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

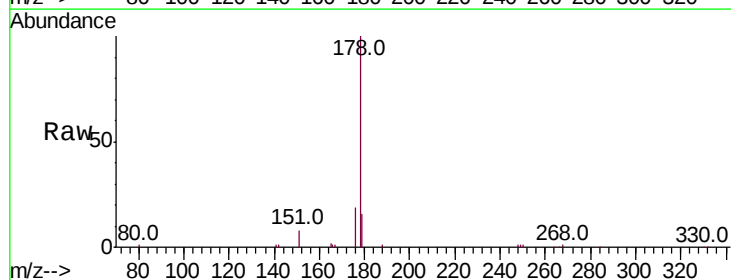
Tgt Ion:178 Resp: 17902

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

15000

10000

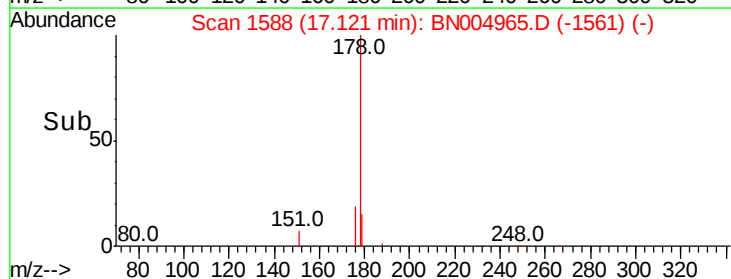
5000

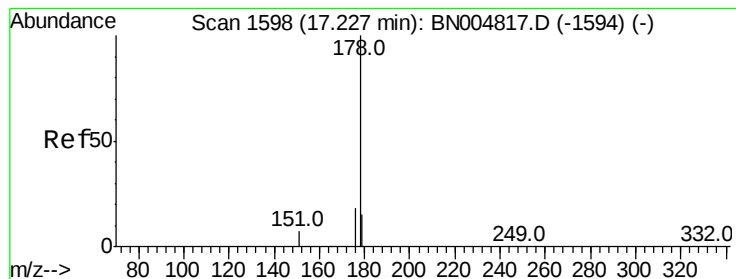
0

17.12

17.00 17.10 17.20

Time-->





#24

Anthracene

Concen: 0.053 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

Instrument :

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PST-025-B028-031919

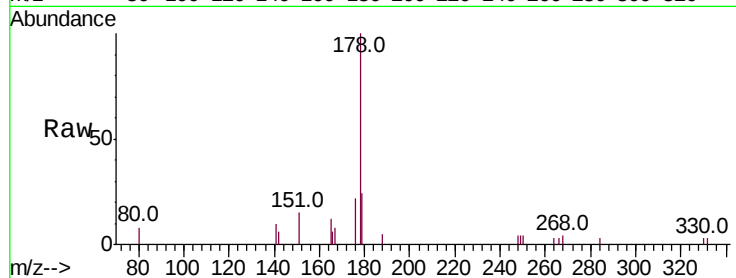
Tot Ion:178 Resp: 2521

Ion Ratio Lower Upper

178 100

176 18.0 14.5 21.7

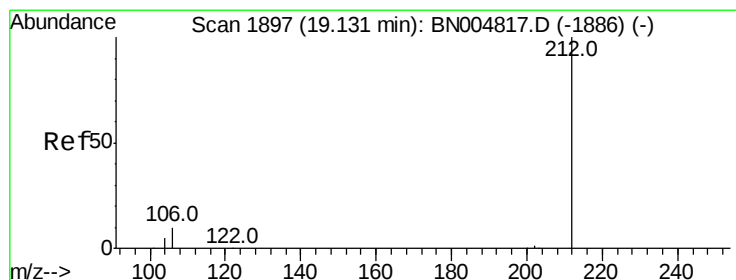
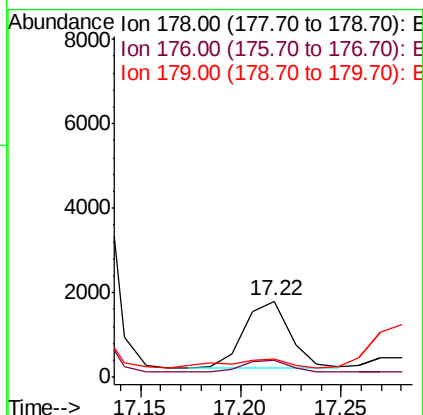
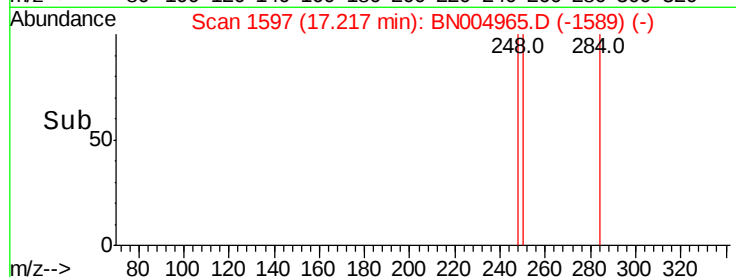
179 19.2 12.2 18.4#



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

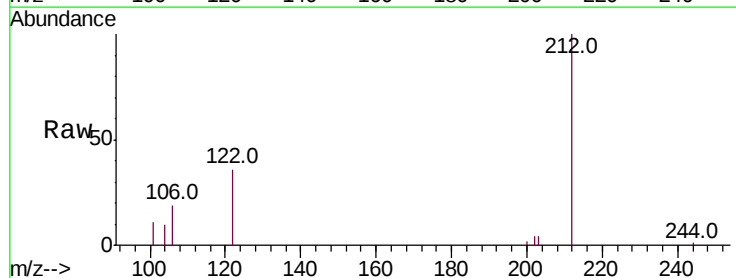
Tgt Ion:212 Resp: 12925

Ion Ratio Lower Upper

212 100

106 32.5 8.6 13.0#

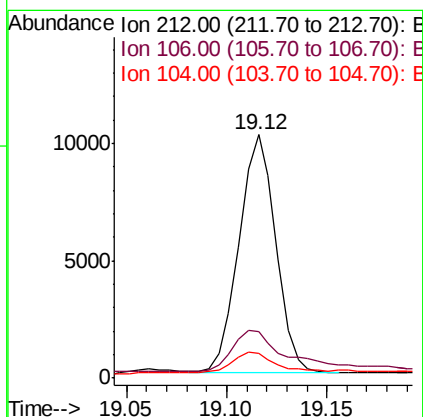
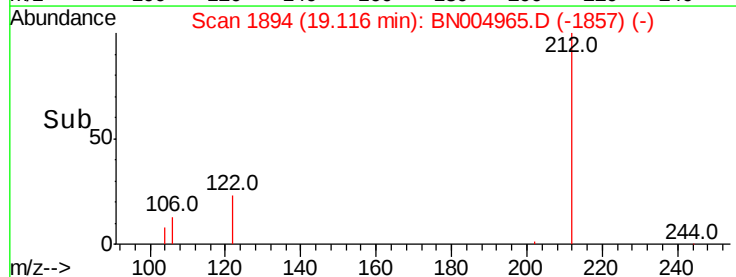
104 12.6 4.7 7.1#

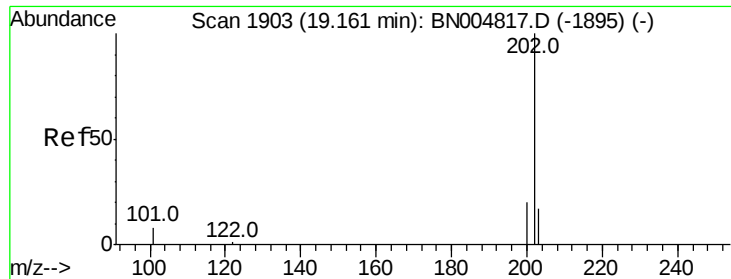


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

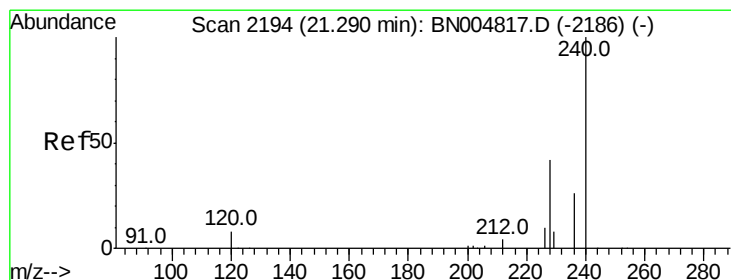
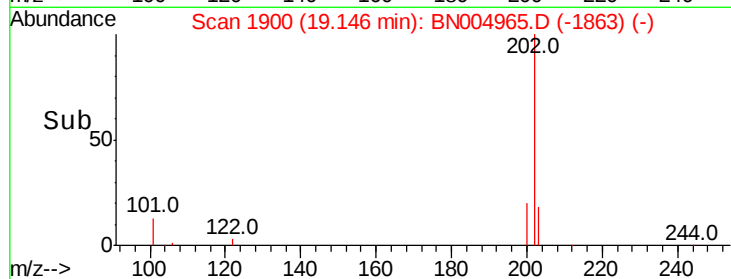
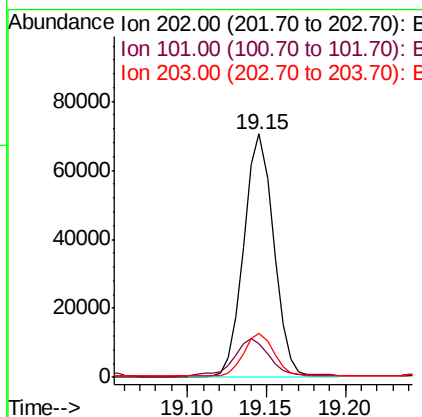
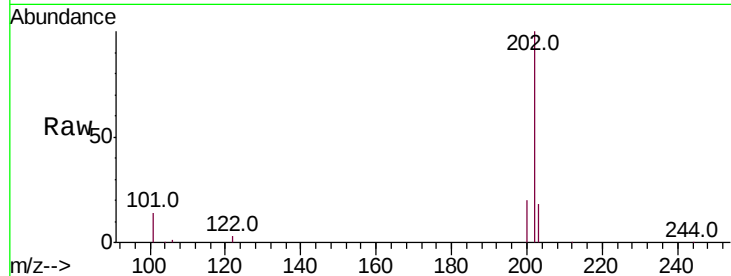




#26
 Fluoranthene
 Concen: 1.336 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.02 min
 Lab File: BN004965.D
 Acq: 25 Mar 2019 17:43

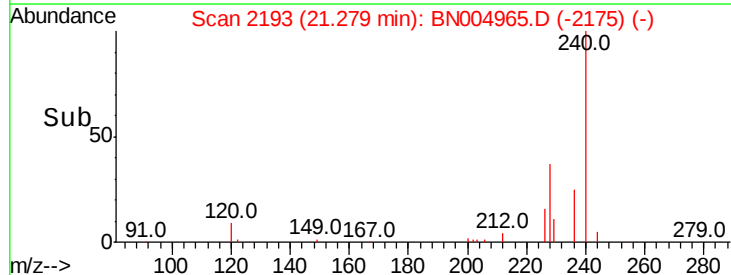
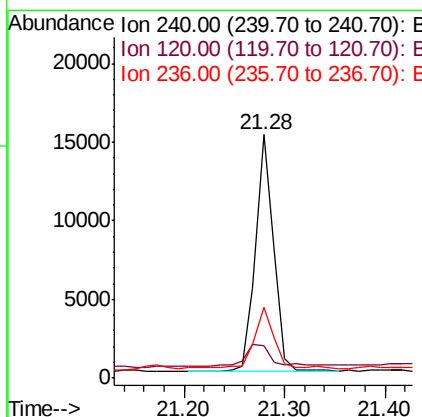
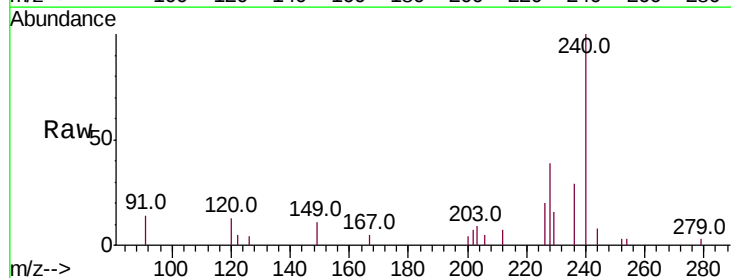
Instrument :
 BNA_N
 ClientSampleId :
 PST-025-B028-031919

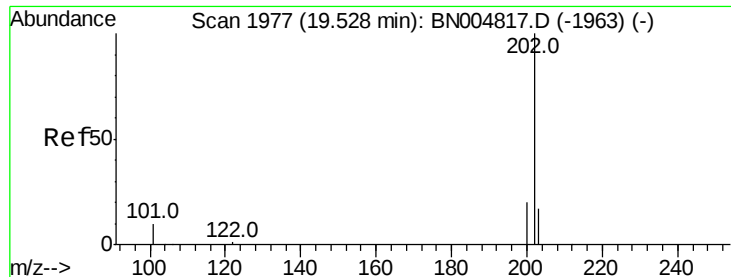
Tot Ion:202 Resp: 91639
 Ion Ratio Lower Upper
 202 100
 101 20.4 7.5 11.3#
 203 17.8 13.8 20.6



#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

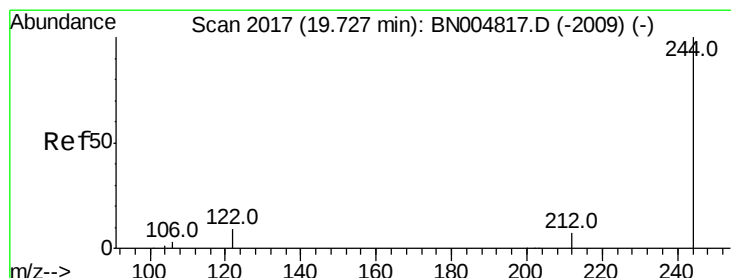
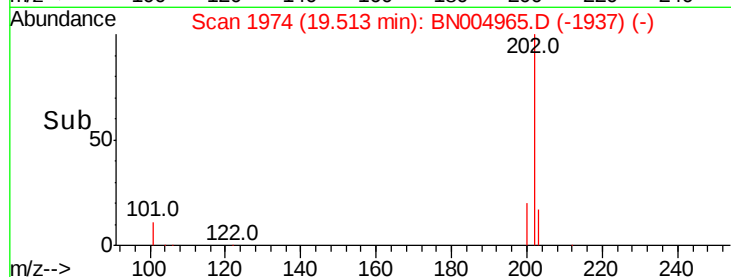
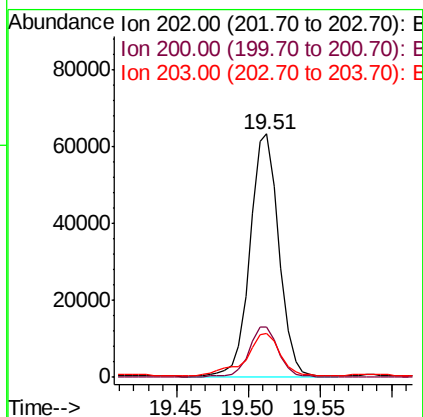
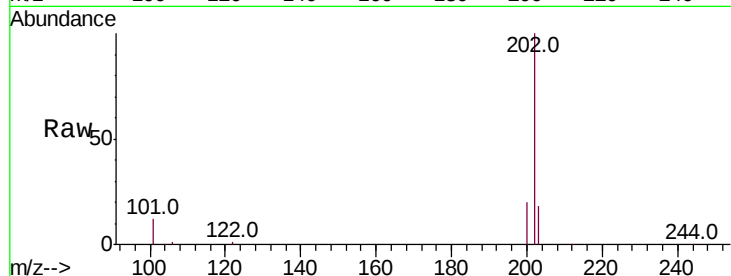




#28
Pvrene
Concen: 1.525 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

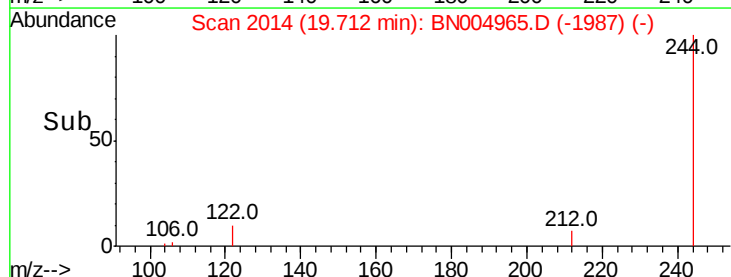
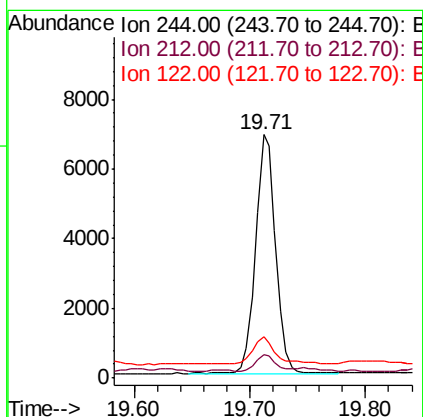
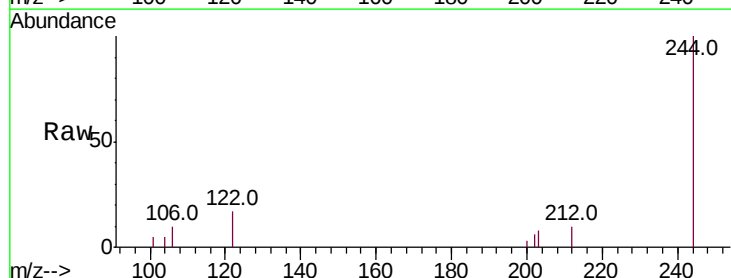
Instrument :
BNA_N
ClientSampleId :
PST-025-B028-031919

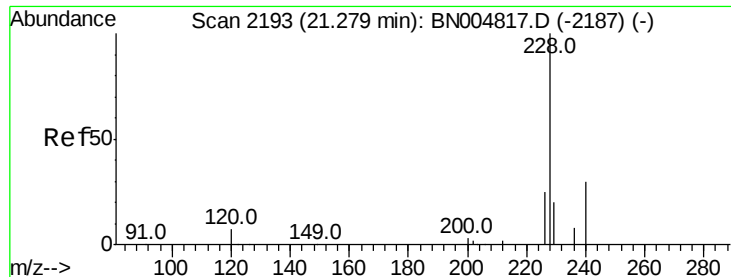
Tot Ion:202 Resp: 88307
Ion Ratio Lower Upper
202 100
200 20.7 16.3 24.5
203 20.5 14.0 21.0



#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

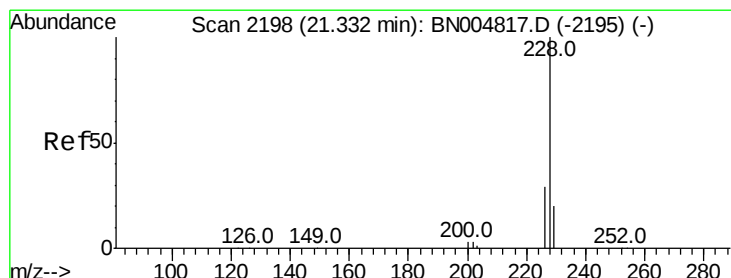
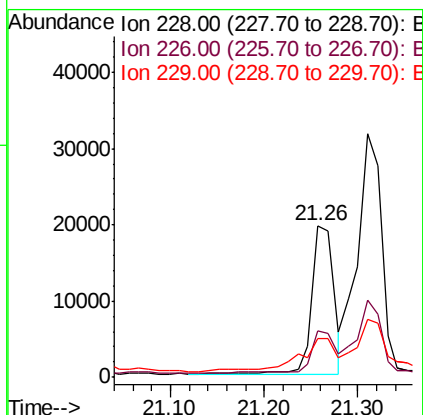
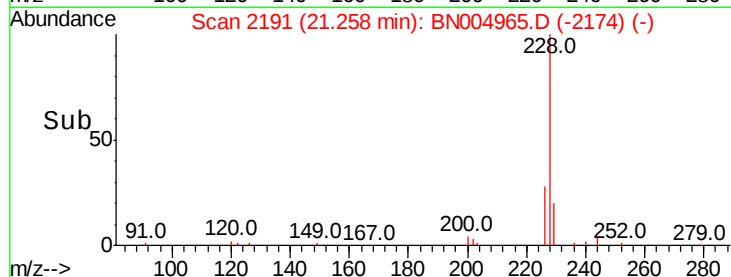
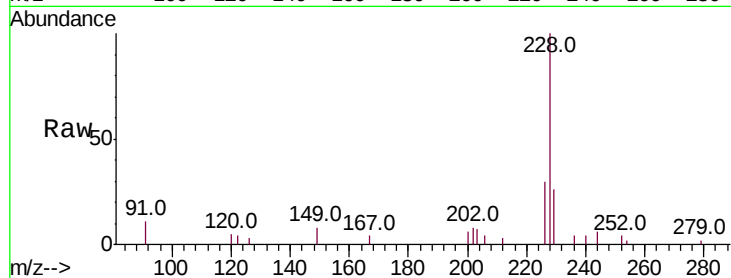
Tot Ion:228 Resp: 31643

Ion Ratio Lower Upper

228 100

226 30.4 20.6 31.0

229 25.5 16.2 24.4#



#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

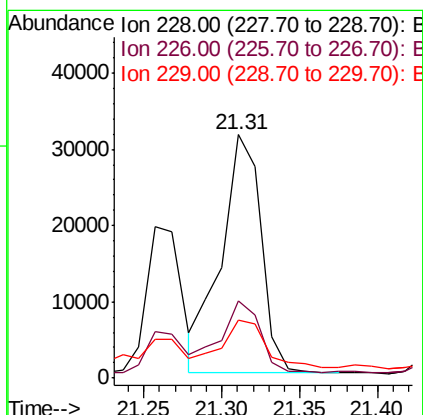
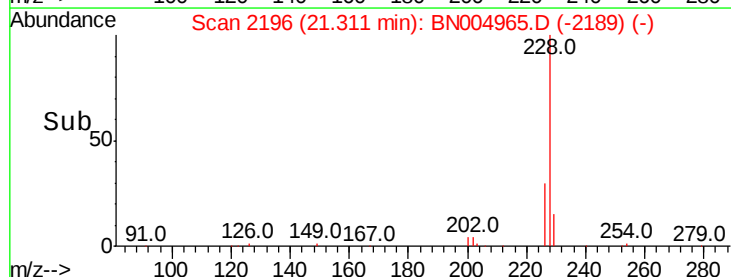
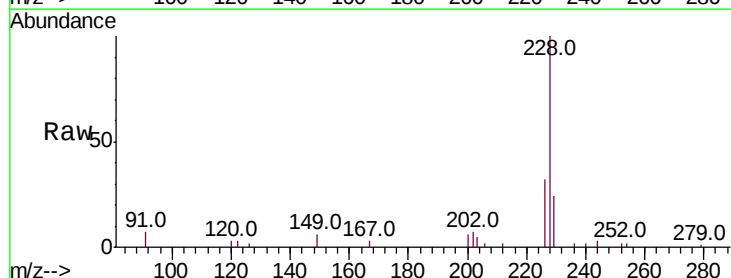
Tgt Ion:228 Resp: 55500

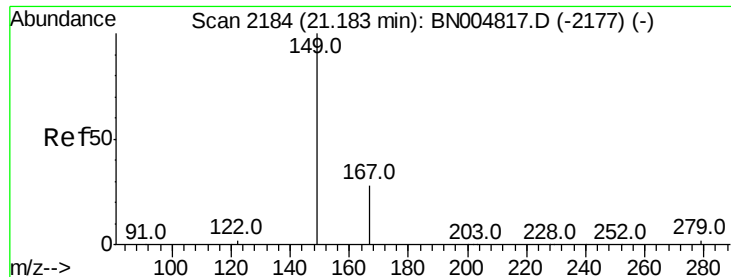
Ion Ratio Lower Upper

228 100

226 31.8 23.0 34.6

229 23.6 16.2 24.2





#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

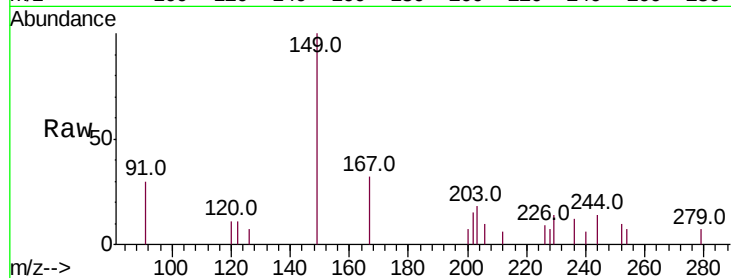
Tot Ion:149 Resp: 7290

Ion Ratio Lower Upper

149 100

167 27.5 23.0 34.4

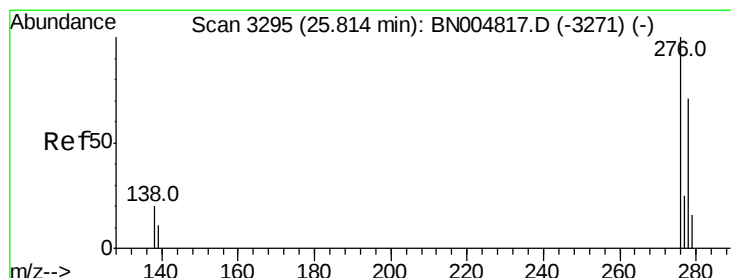
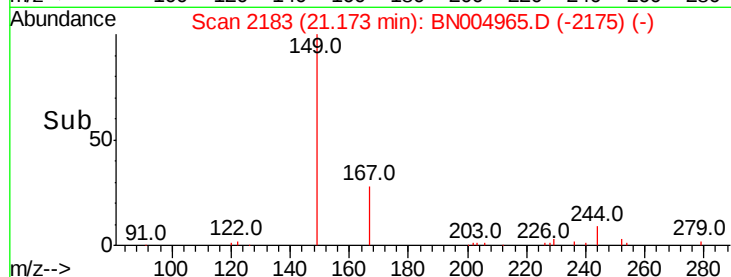
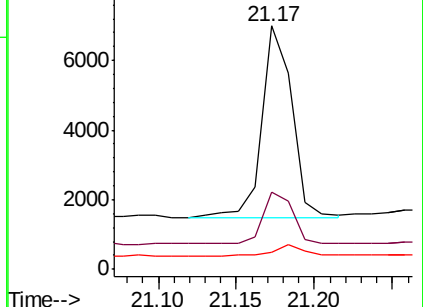
279 6.1 4.6 6.8



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: 0.409 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.02 min

Lab File: BN004965.D

Acq: 25 Mar 2019 17:43

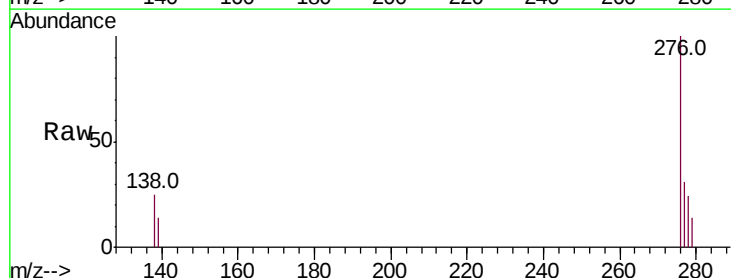
Tgt Ion:276 Resp: 38802

Ion Ratio Lower Upper

276 100

138 19.9 16.6 24.8

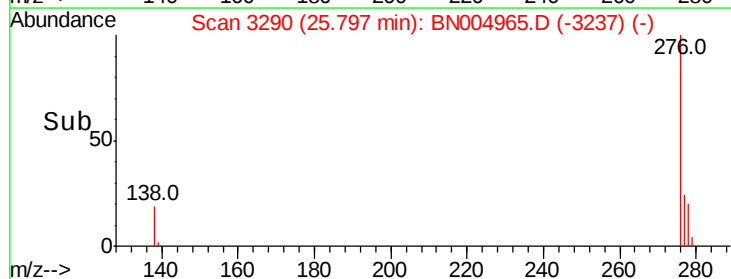
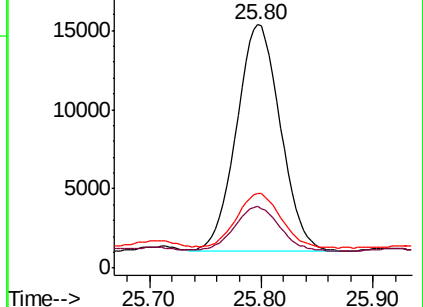
277 24.5 20.3 30.5

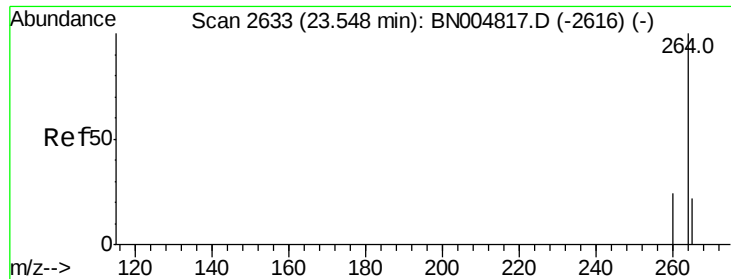


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

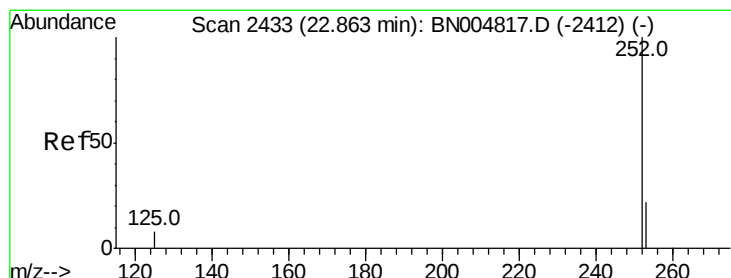
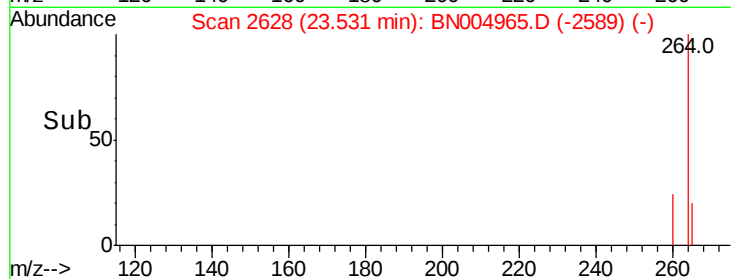
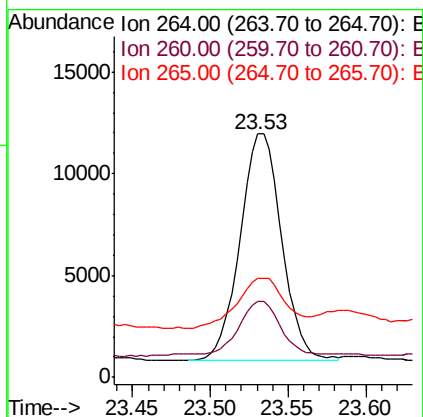
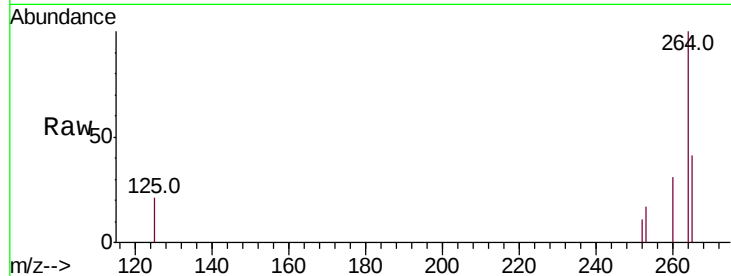




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

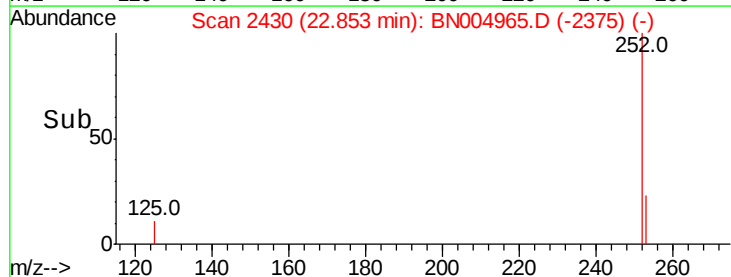
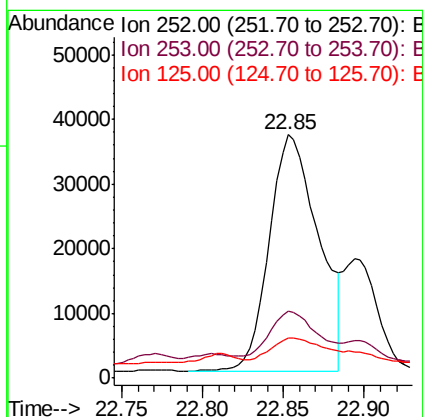
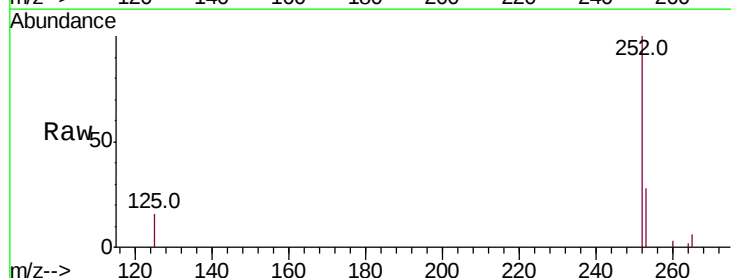
Instrument :
BNA_N
ClientSampleId :
PST-025-B028-031919

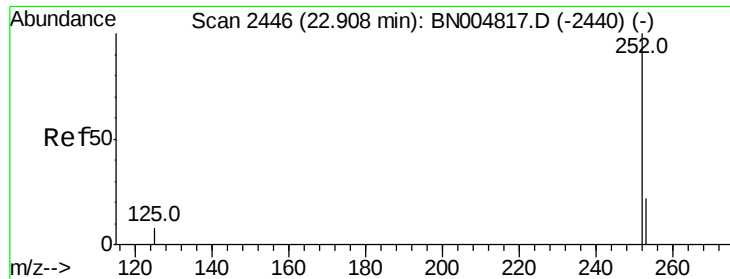
Tot Ion:264 Resp: 20710
Ion Ratio Lower Upper
264 100
260 31.3 19.5 29.3#
265 40.8 23.1 34.7#



#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#

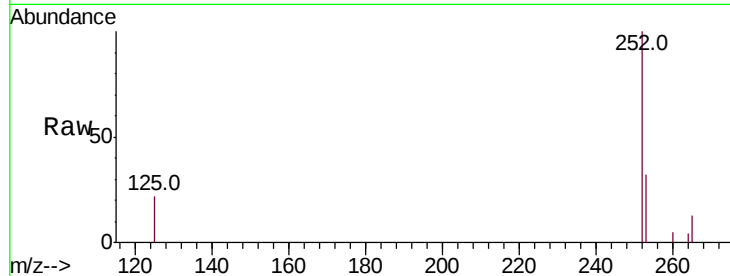




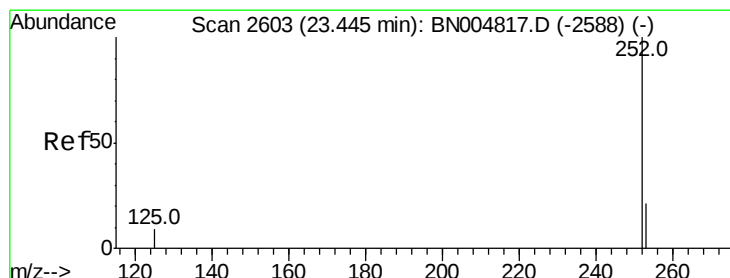
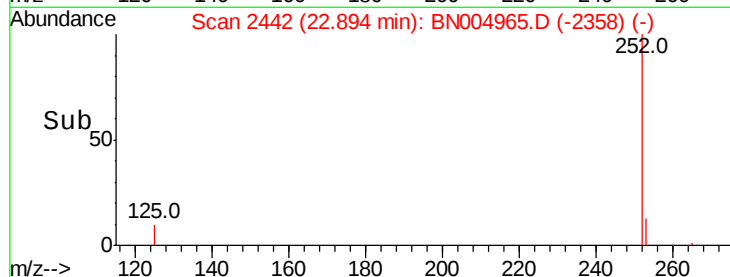
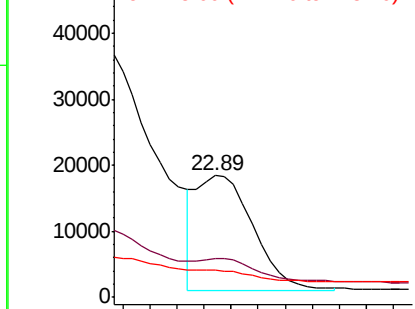
#36
Benzo(k)fluoranthene
Concen: 0.352 ng m
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

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

Tot Ion:252 Resp: 25922
Ion Ratio Lower Upper
252 100
253 31.6 19.3 28.9#
125 22.2 7.4 11.0#

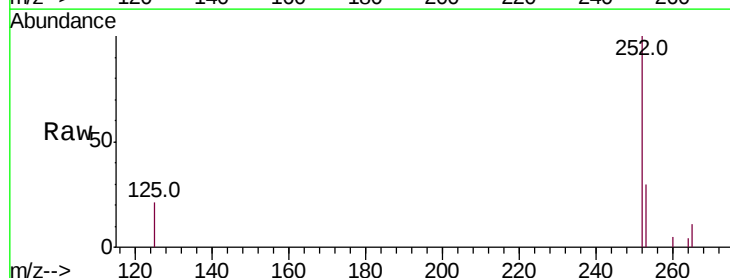


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

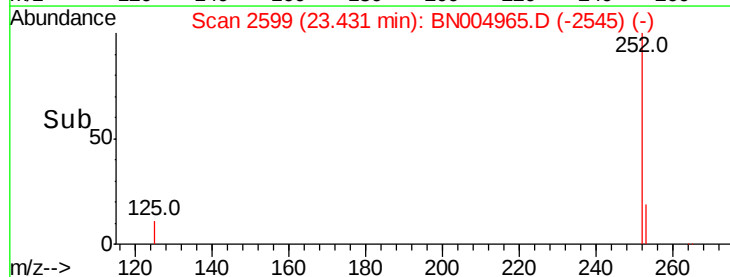
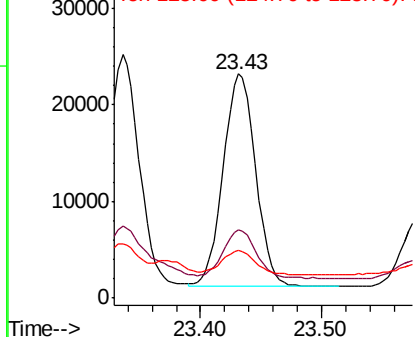


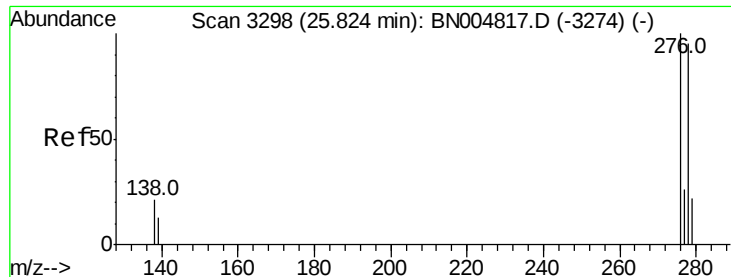
#37
Benzo(a)pyrene
Concen: 0.597 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004965.D
Acq: 25 Mar 2019 17:43

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

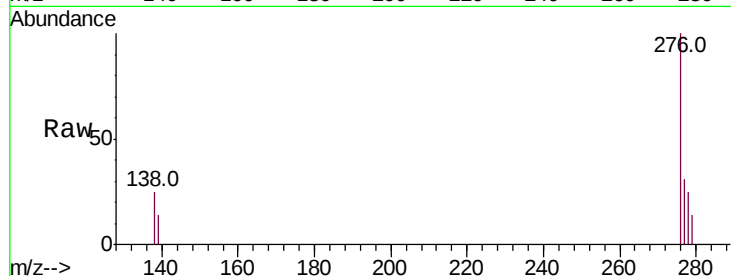
Tot Ion:278 Resp: 9915

Ion Ratio Lower Upper

278 100

139 56.2 11.7 17.5#

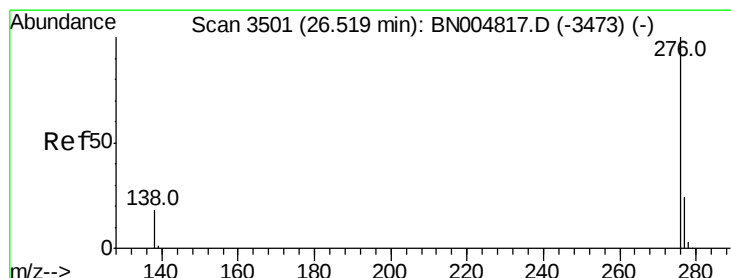
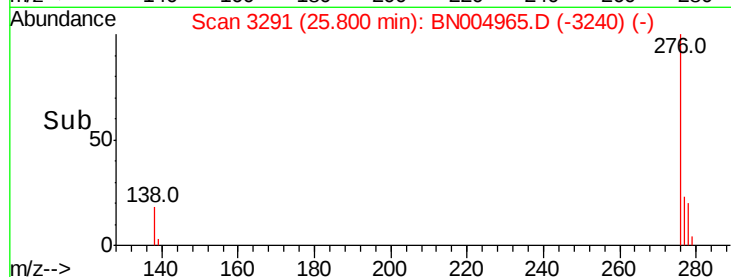
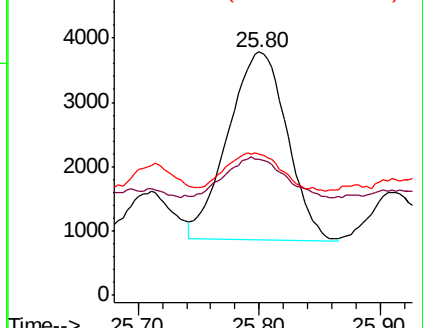
279 58.1 19.9 29.9#



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

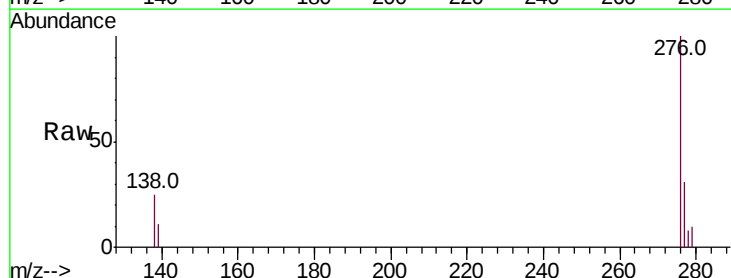
Tgt Ion:276 Resp: 46287

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

