

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004949.D
 Acq On : 24 Mar 2019 21:08
 Operator : JU/SJ
 Sample : K2014-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW038-031919

Quant Time: Mar 25 02:58:21 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	3309	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	12934	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6808	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14911	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17570	0.40	ng	-0.01
34) Perylene-d12	23.52	264	18652	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3897	0.43	ng	0.00
5) Phenol-d6	6.86	99	4691	0.42	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3809	0.45	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7312	0.32	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1761	0.37	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	10383	0.37	ng	-0.02
25) Fluoranthene-d10	19.12	212	14821	0.30	ng	-0.01
29) Terphenyl-d14	19.71	244	11948	0.33	ng	-0.01

Target Compounds

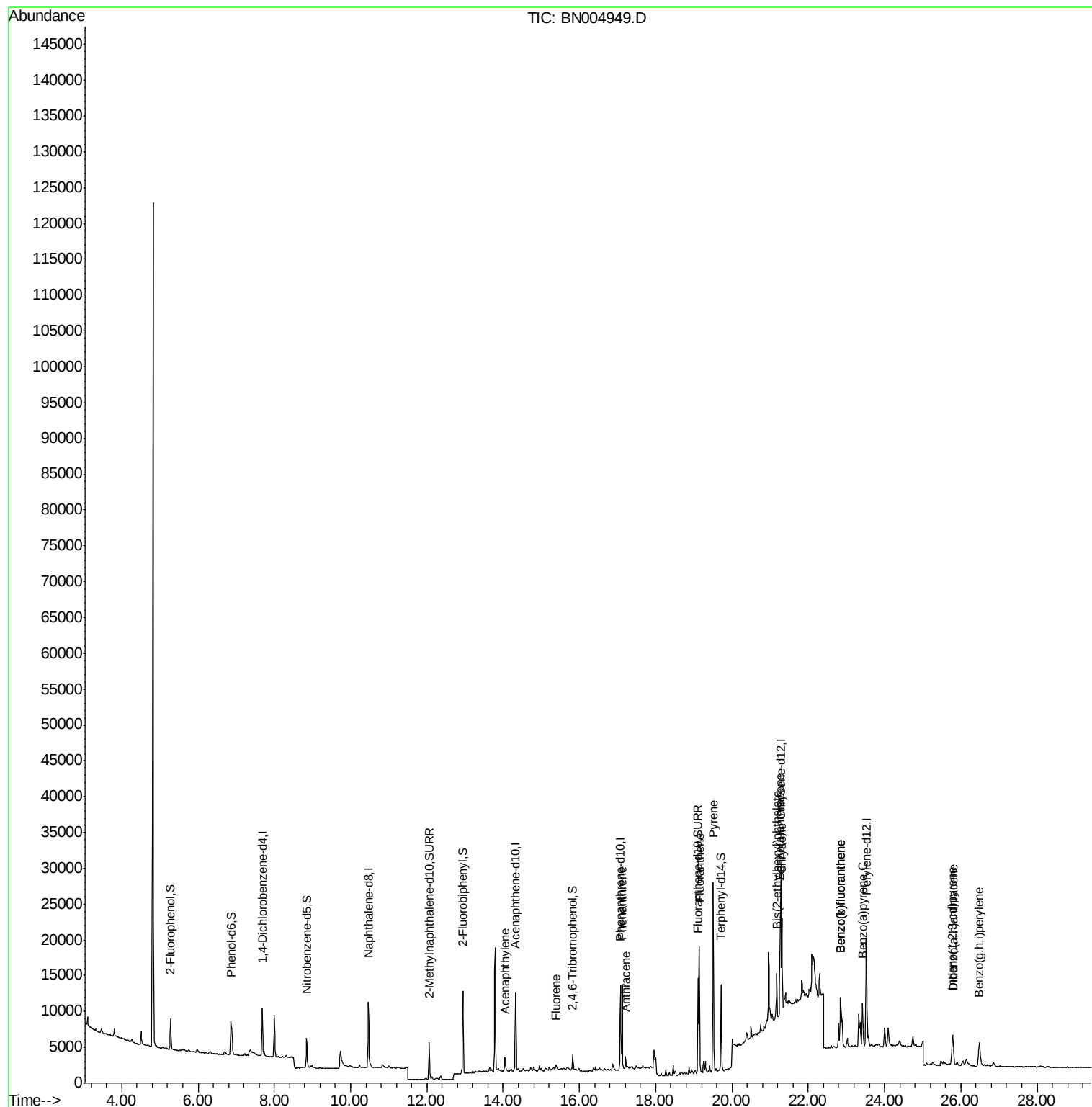
						Qvalue
16) Acenaphthylene	14.05	152	2578	0.074	ng	98
18) Fluorene	15.38	166	655	0.020	ng	# 76
23) Phenanthrene	17.12	178	12482	0.259	ng	99
24) Anthracene	17.22	178	2045	0.048	ng	# 95
26) Fluoranthene	19.15	202	16521	0.267	ng	# 96
28) Pyrene	19.51	202	23193	0.433	ng	97
30) Benzo(a)anthracene	21.26	228	9661	0.168	ng	# 87
31) Chrysene	21.31	228	11510	0.190	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.17	149	6626	0.288	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	6018	0.069	ng	# 95
35) Benzo(b)fluoranthene	22.85	252	10285	0.152	ng	# 57
36) Benzo(k)fluoranthene	22.85	252	10285	0.155	ng	# 58
37) Benzo(a)pyrene	23.42	252	8001	0.129	ng	# 61
38) Dibenzo(a,h)anthracene	25.80	278	2296	0.032	ng	# 1
39) Benzo(g,h,i)perylene	26.48	276	7191	0.098	ng	# 72

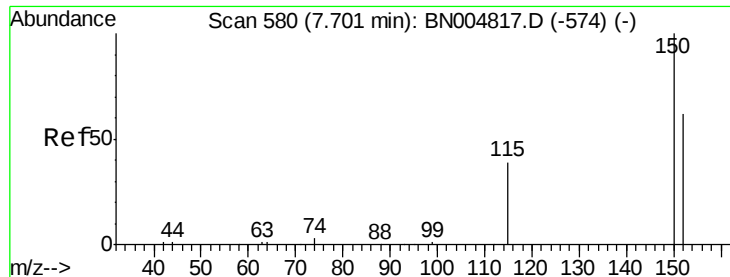
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919

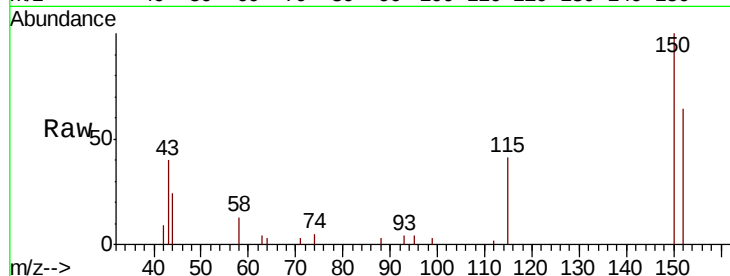
Tgt Ion:152 Resp: 3309

Ion Ratio Lower Upper

152 100

150 155.1 126.2 189.4

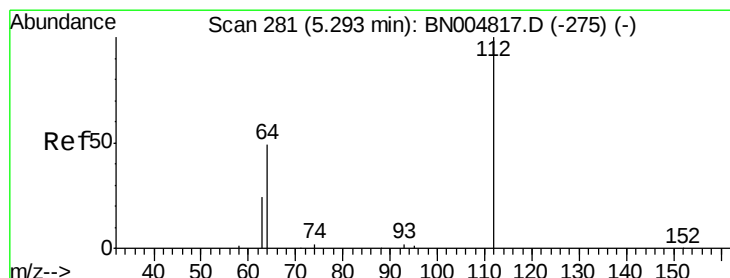
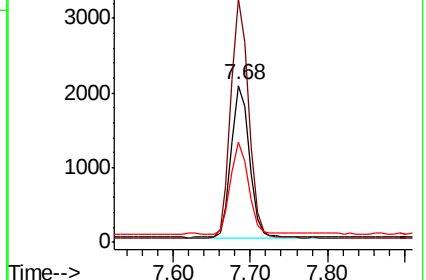
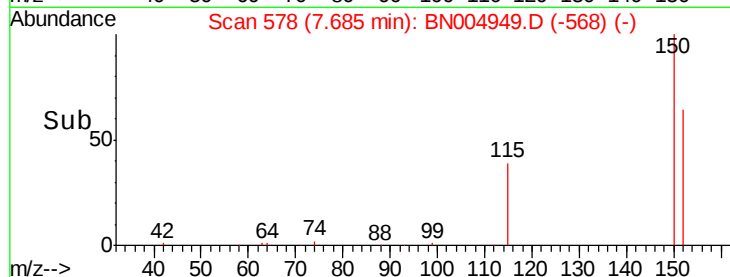
115 64.2 52.6 79.0



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: 0.433 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

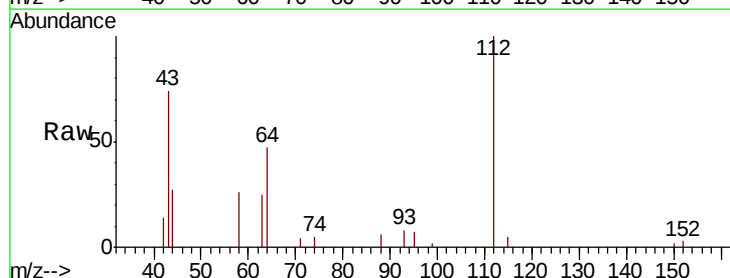
Tgt Ion:112 Resp: 3897

Ion Ratio Lower Upper

112 100

64 52.1 40.0 60.0

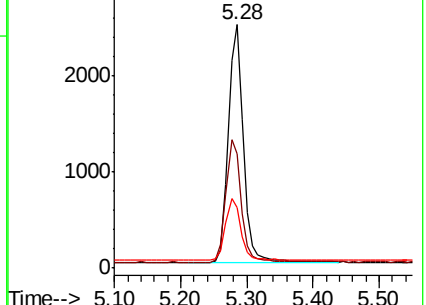
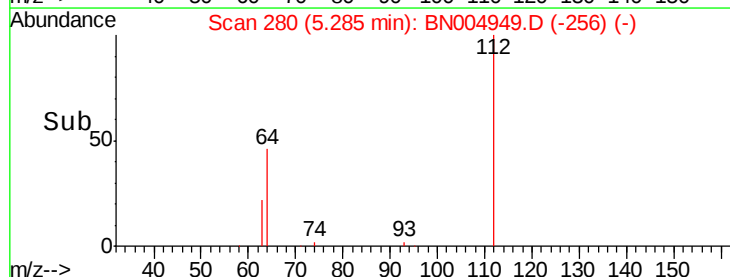
63 26.2 20.2 30.2

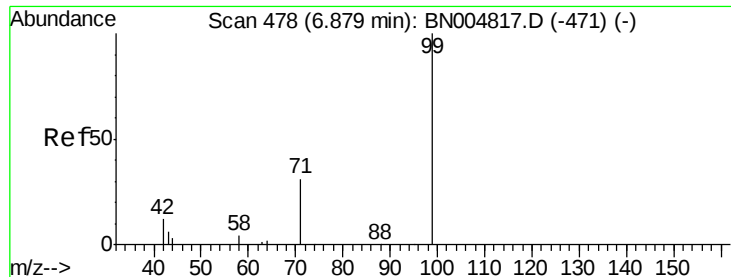


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.419 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919

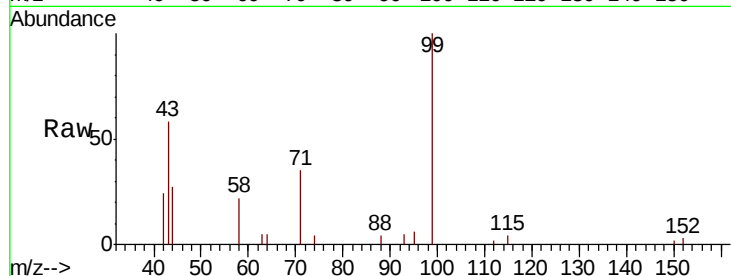
Tgt Ion: 99 Resp: 4691

Ion Ratio Lower Upper

99 100

42 19.6 12.7 19.1#

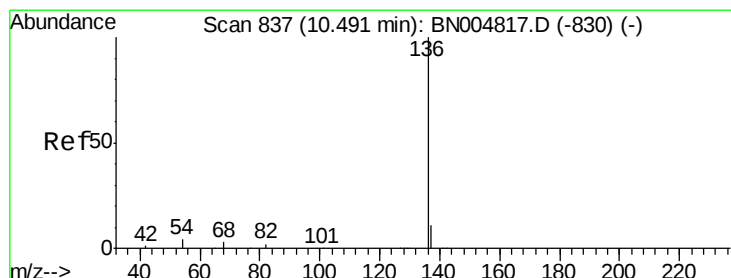
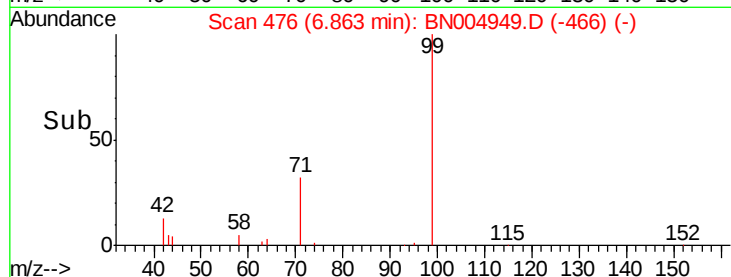
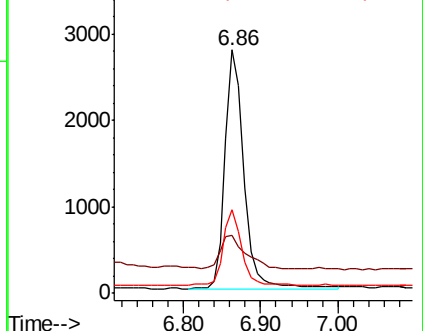
71 32.0 26.6 40.0



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: BN004949.D

Acq: 24 Mar 2019 21:08

Tgt Ion: 136 Resp: 12934

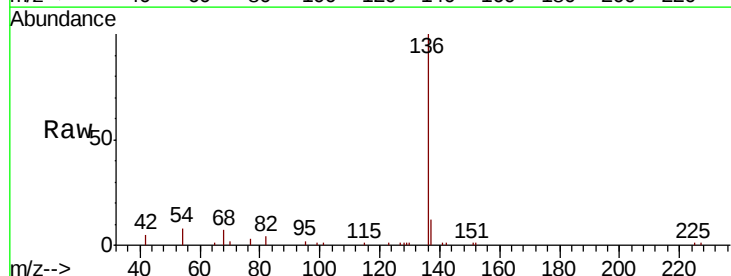
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 7.9 4.2 6.2#

68 6.9 3.9 5.9#

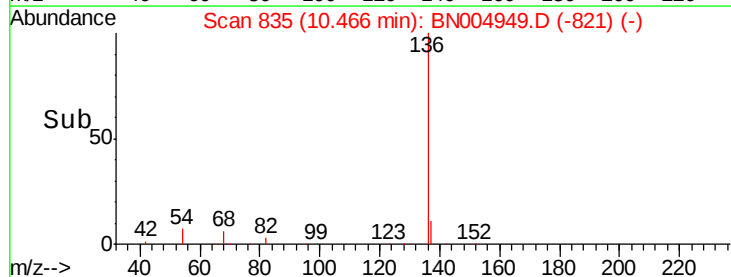
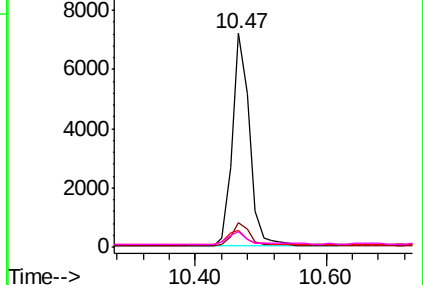


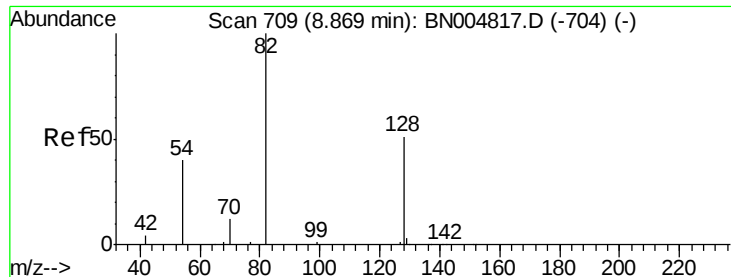
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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: 0.445 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919

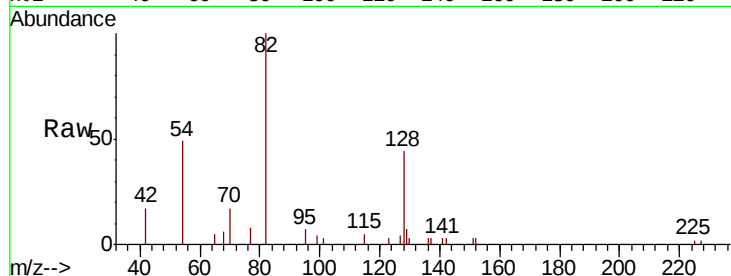
Tgt Ion: 82 Resp: 3809

Ion Ratio Lower Upper

82 100

128 44.1 43.0 64.6

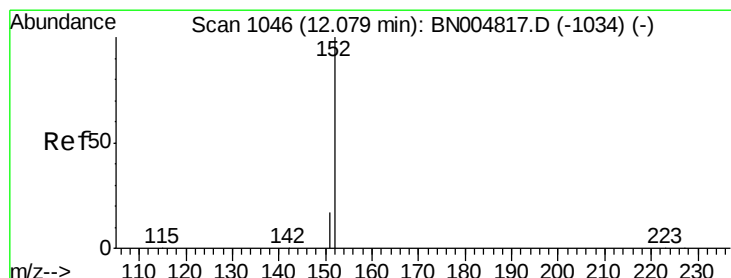
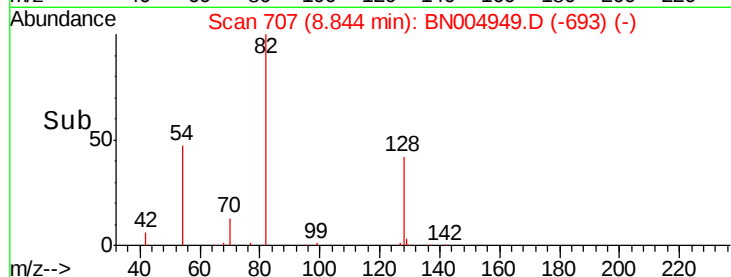
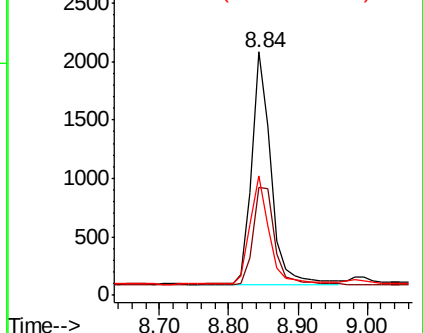
54 49.2 35.3 52.9



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: 0.324 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004949.D

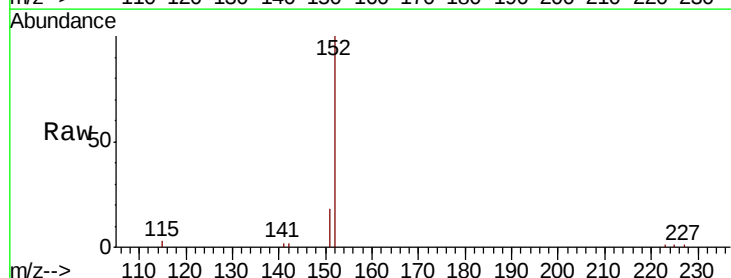
Acq: 24 Mar 2019 21:08

Tgt Ion: 152 Resp: 7312

Ion Ratio Lower Upper

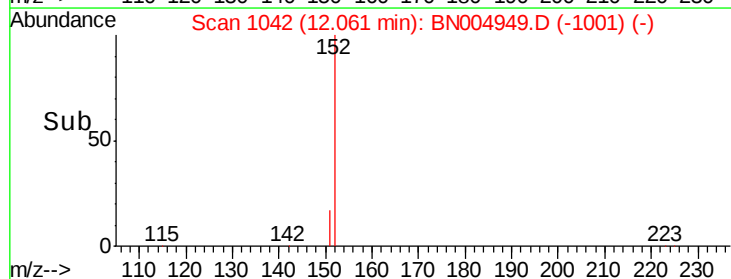
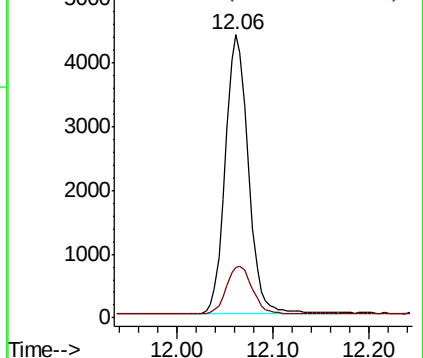
152 100

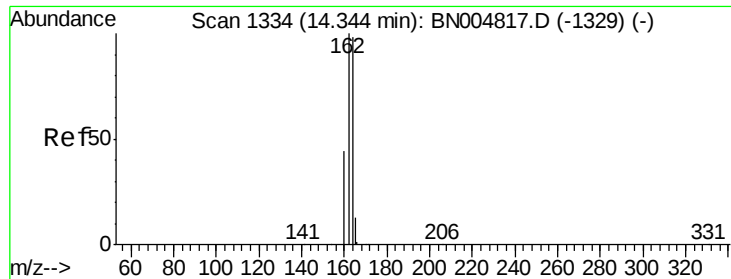
151 19.4 15.5 23.3



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: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

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ClientSampleId :

PST-026-SW038-031919

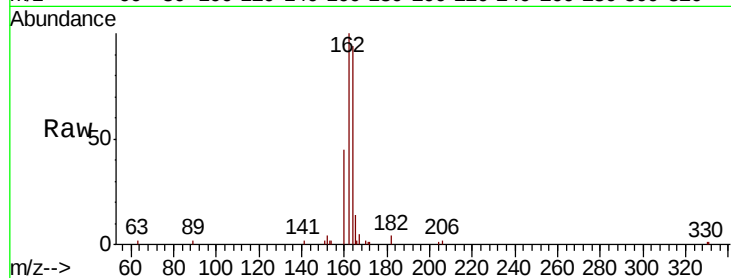
Tgt Ion:164 Resp: 6808

Ion Ratio Lower Upper

164 100

162 106.2 81.9 122.9

160 48.0 36.6 54.8

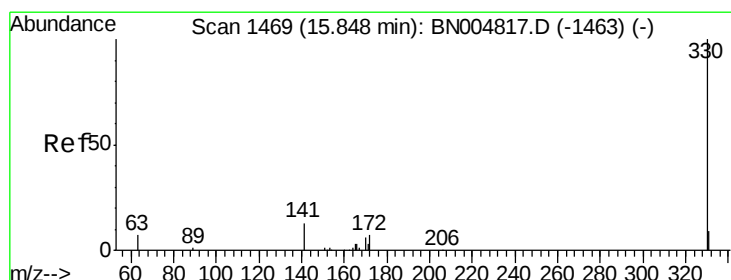
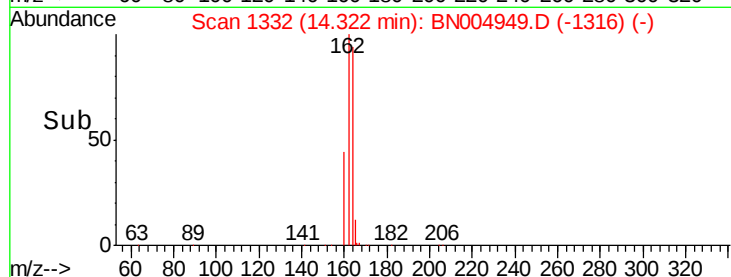
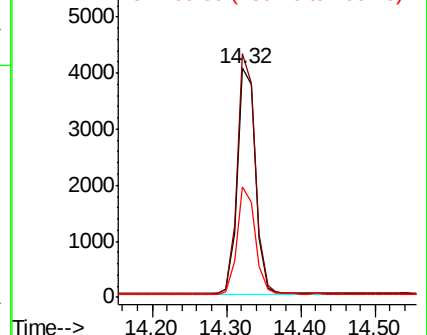


Abundance

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: 0.375 ng

RT: 15.83 min Scan# 1467

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

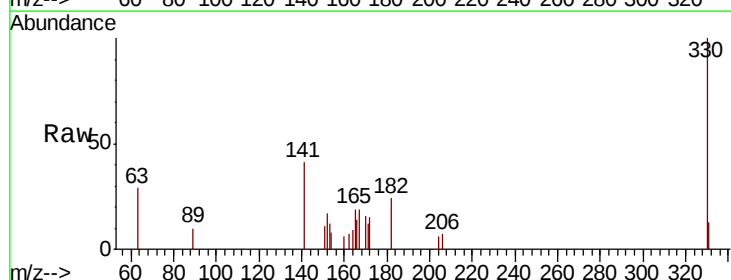
Tgt Ion:330 Resp: 1761

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 33.3 20.9 31.3#

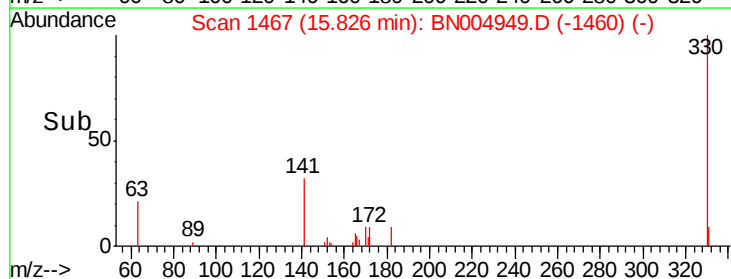
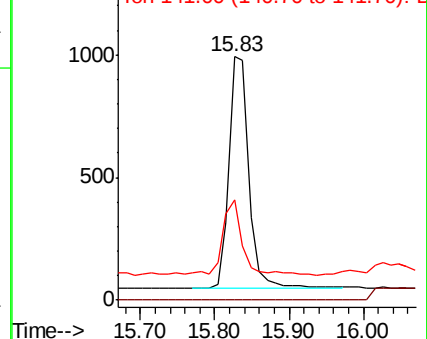


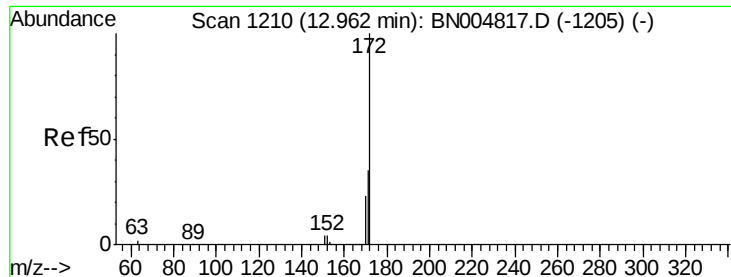
Abundance

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: 0.369 ng

RT: 12.94 min Scan# 1208

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

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PST-026-SW038-031919

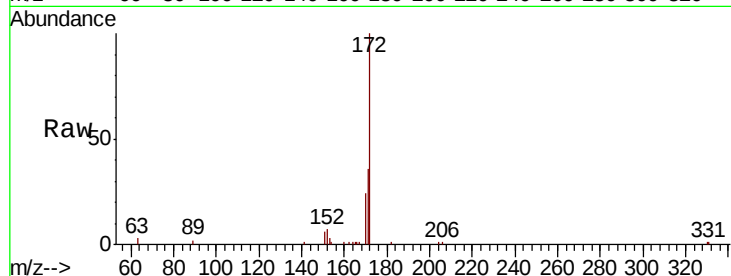
Tgt Ion:172 Resp: 10383

Ion Ratio Lower Upper

172 100

171 36.2 28.7 43.1

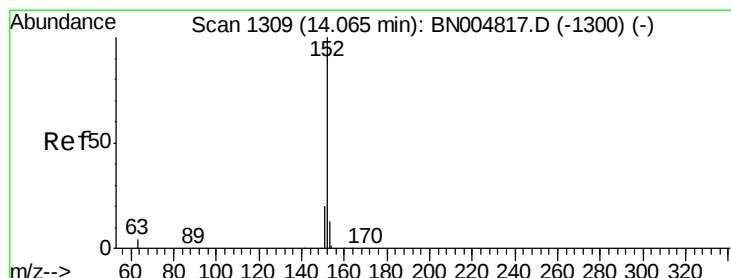
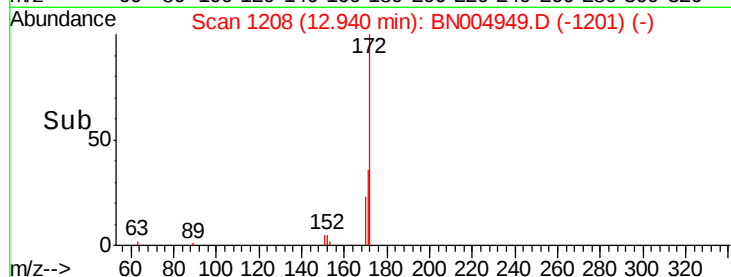
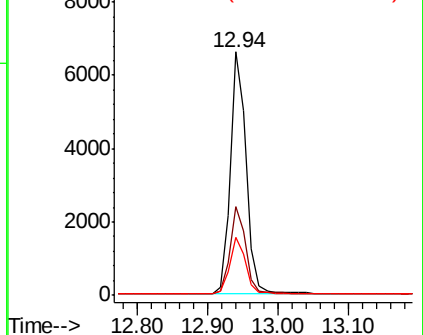
170 23.9 18.7 28.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.074 ng

RT: 14.05 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

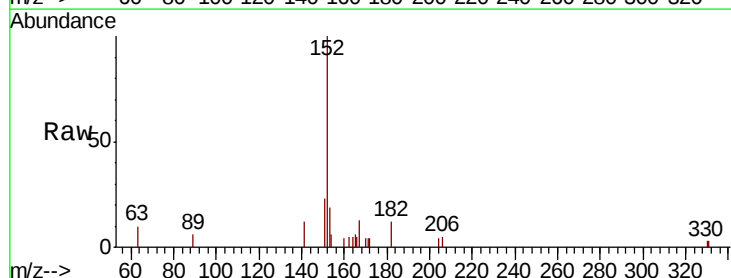
Tgt Ion:152 Resp: 2578

Ion Ratio Lower Upper

152 100

151 21.5 16.1 24.1

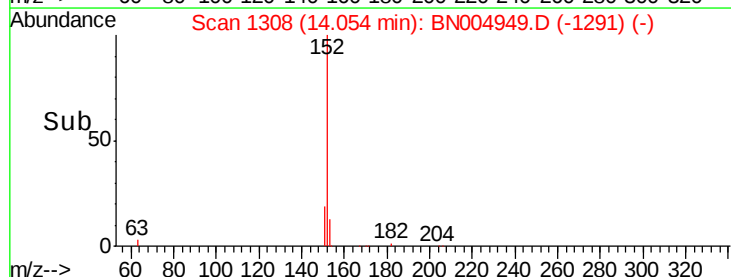
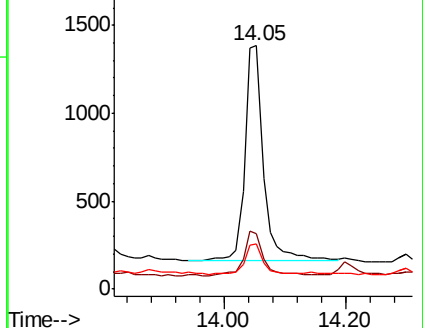
153 13.3 10.5 15.7

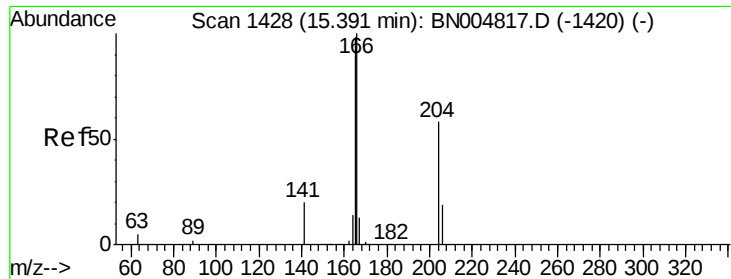


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#18

Fluorene

Concen: 0.020 ng

RT: 15.38 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BN004949.D

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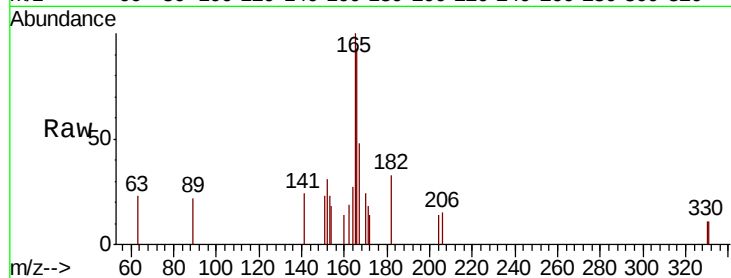
Tgt Ion:166 Resp: 655

Ion Ratio Lower Upper

166 100

165 120.0 78.2 117.4#

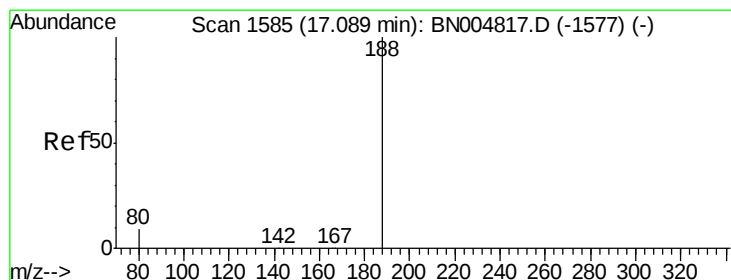
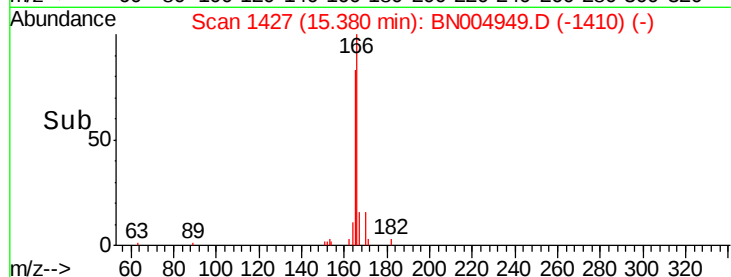
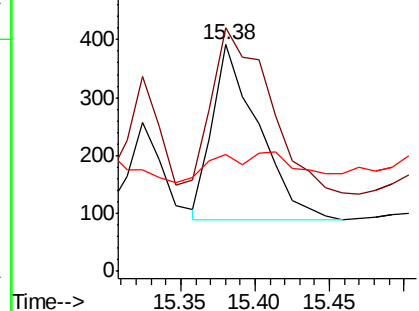
167 0.0 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

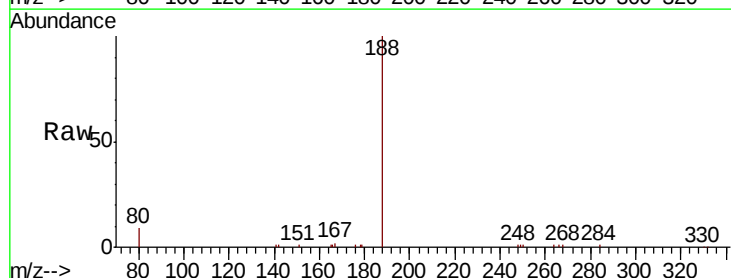
Tgt Ion:188 Resp: 14911

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

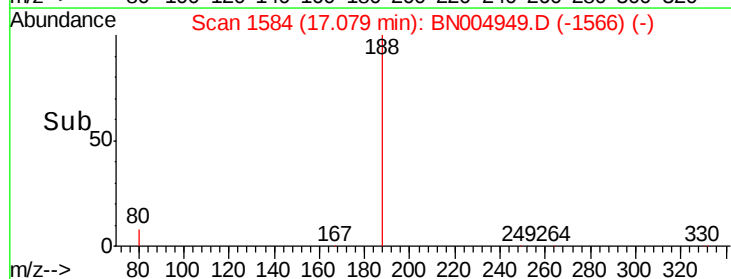
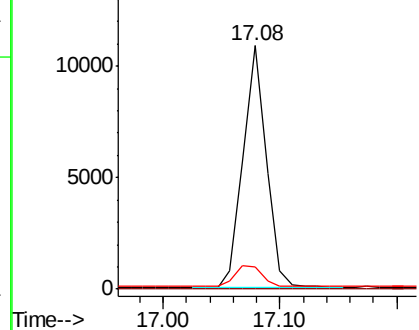
80 9.4 7.4 11.2

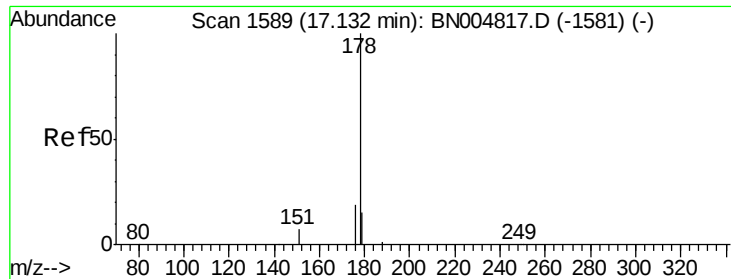


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.259 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

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PST-026-SW038-031919

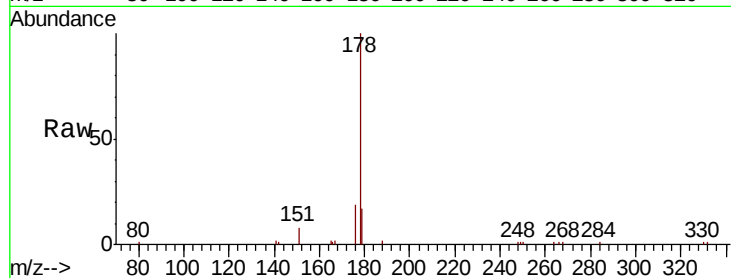
Tgt Ion:178 Resp: 12482

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

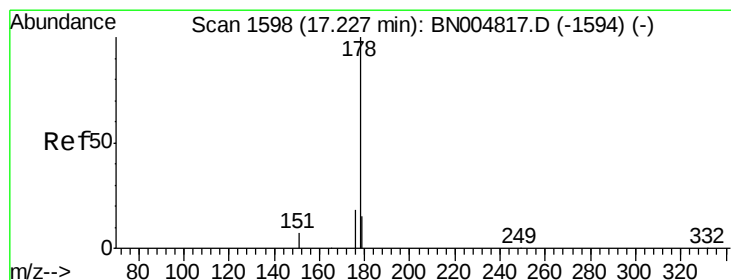
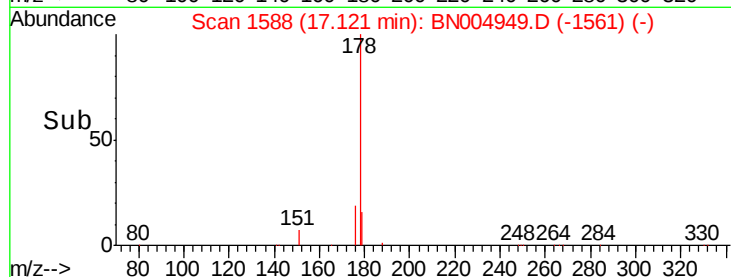
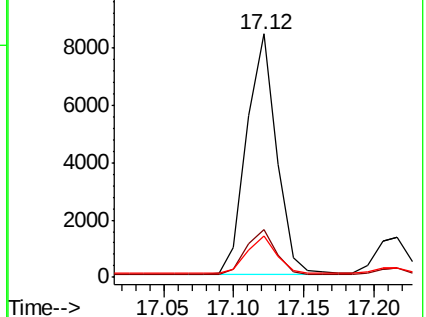
179 16.2 12.1 18.1



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: 0.048 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

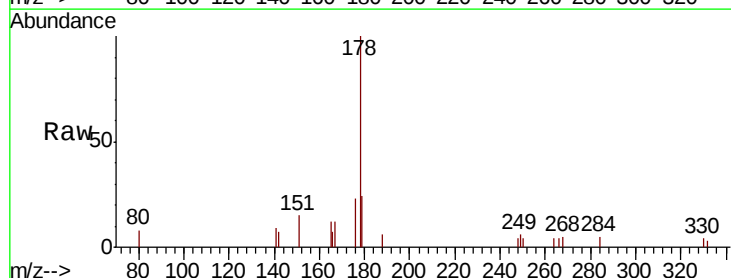
Tgt Ion:178 Resp: 2045

Ion Ratio Lower Upper

178 100

176 19.2 14.5 21.7

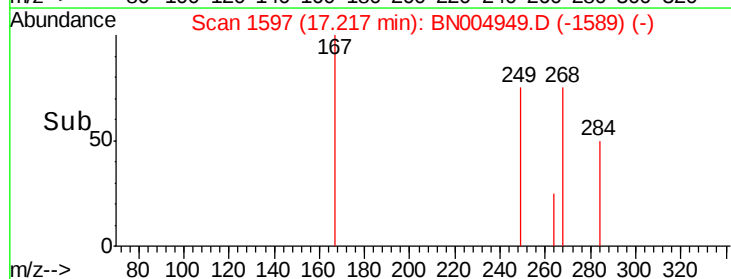
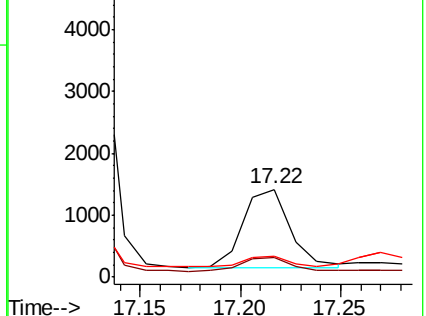
179 11.8 12.2 18.4#

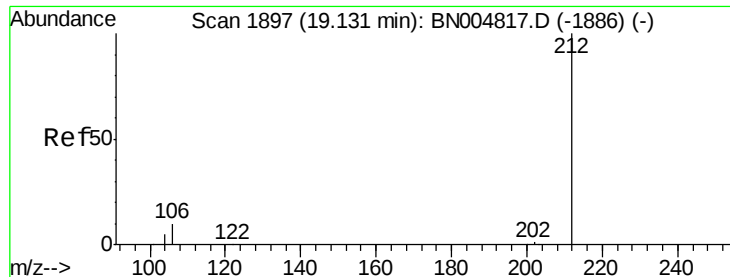


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.297 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919

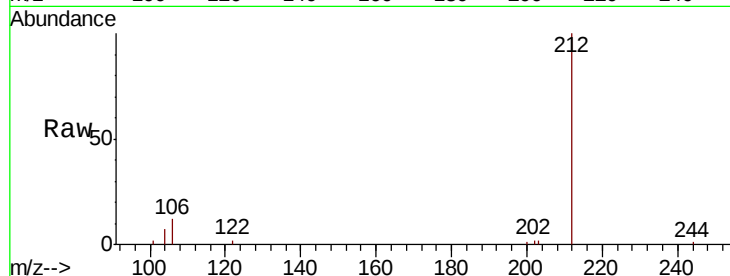
Tgt Ion:212 Resp: 14821

Ion Ratio Lower Upper

212 100

106 12.9 8.6 13.0

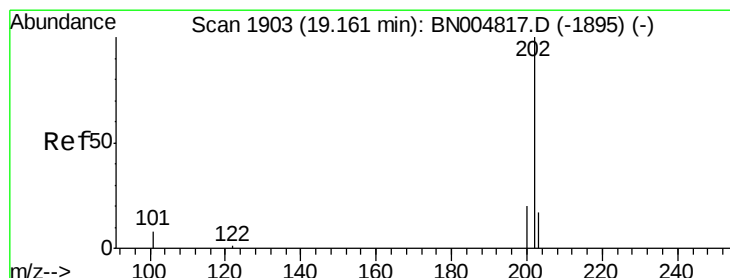
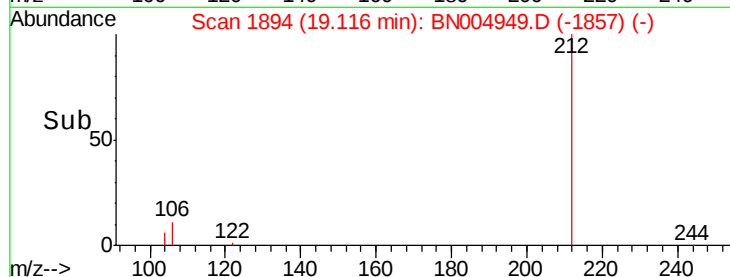
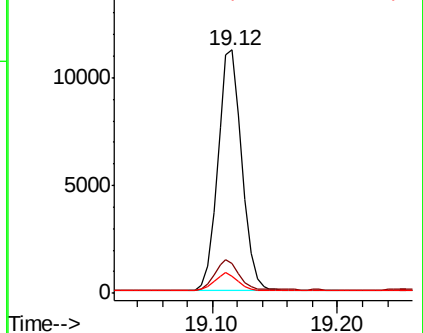
104 7.0 4.7 7.1



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: 0.267 ng

RT: 19.15 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

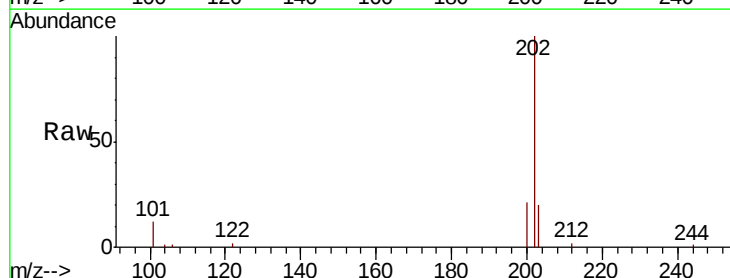
Tgt Ion:202 Resp: 16521

Ion Ratio Lower Upper

202 100

101 12.2 7.5 11.3#

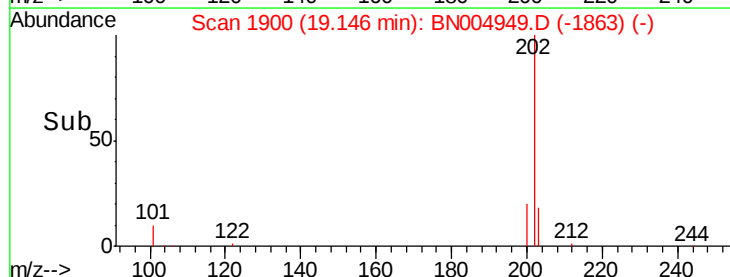
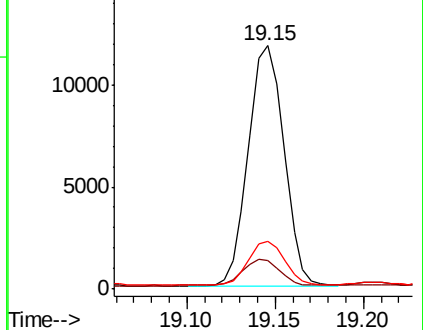
203 18.3 13.8 20.6

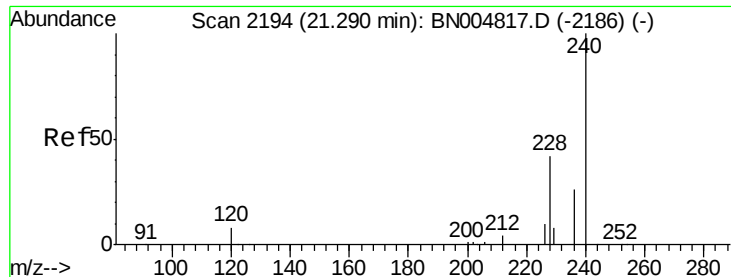


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919

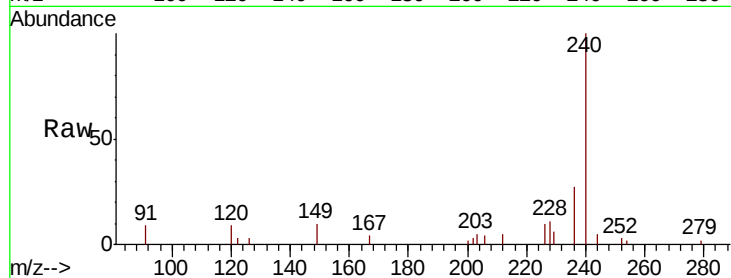
Tgt Ion:240 Resp: 17570

Ion Ratio Lower Upper

240 100

120 9.3 7.2 10.8

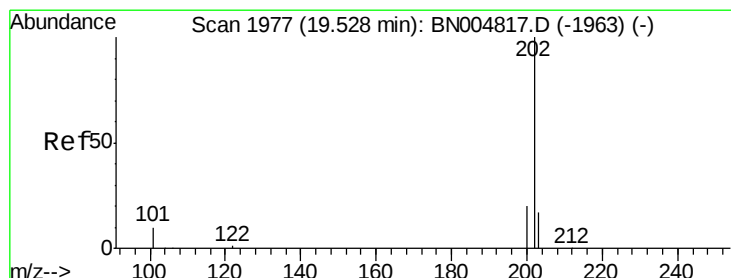
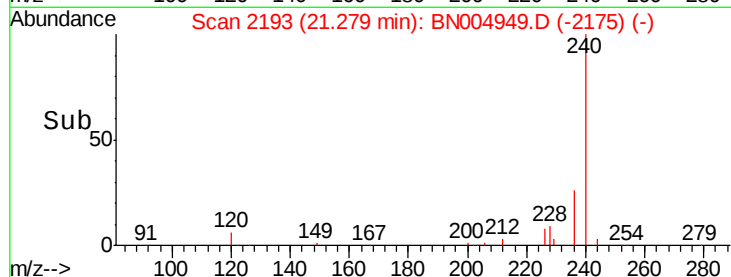
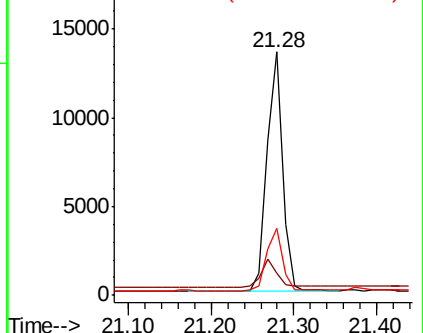
236 27.3 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.433 ng

RT: 19.51 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

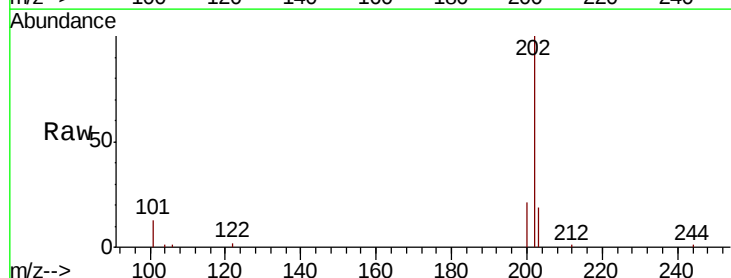
Tgt Ion:202 Resp: 23193

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

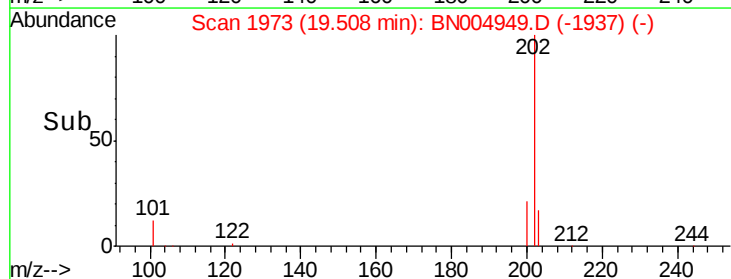
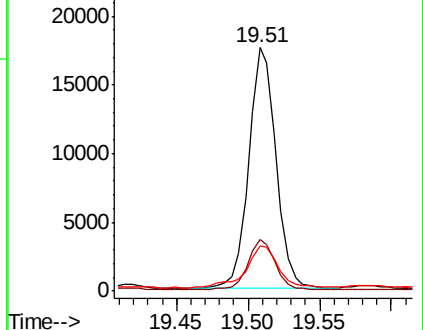
203 20.4 14.0 21.0

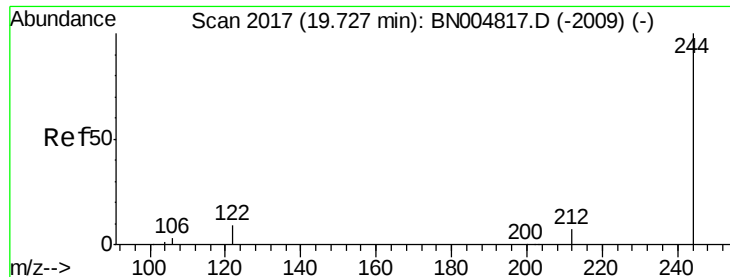


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.332 ng

RT: 19.71 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919

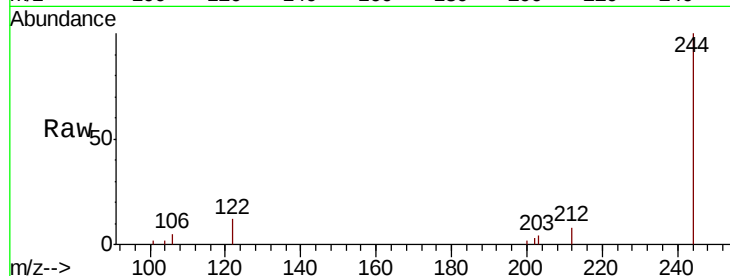
Tgt Ion:244 Resp: 11948

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.6

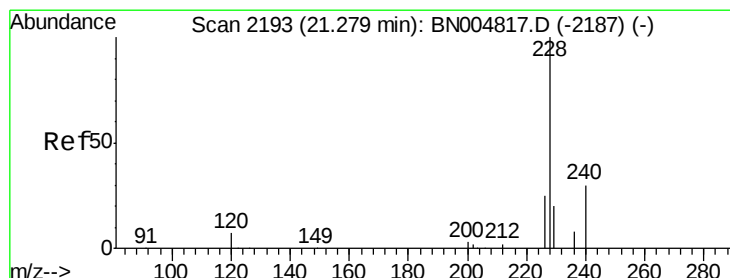
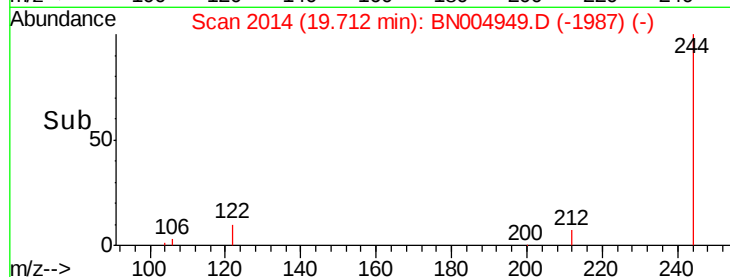
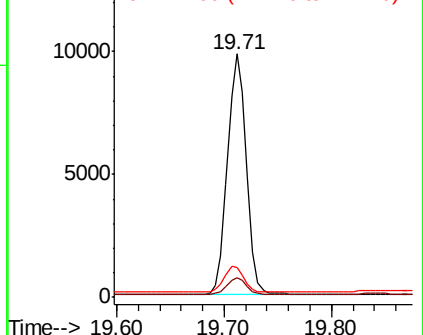
122 12.2 7.9 11.9#



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: 0.168 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

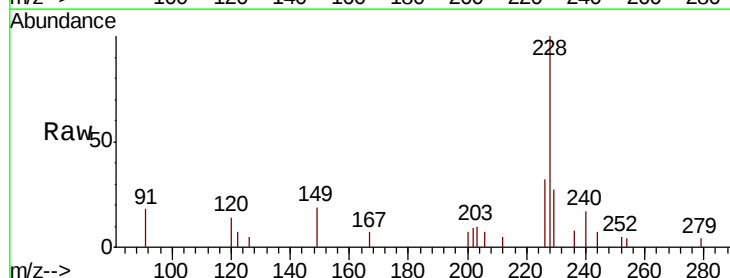
Tgt Ion:228 Resp: 9661

Ion Ratio Lower Upper

228 100

226 32.1 20.6 31.0#

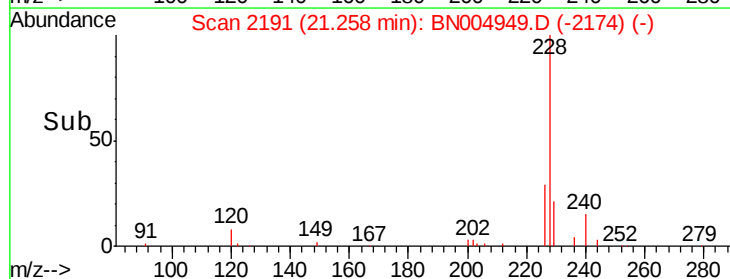
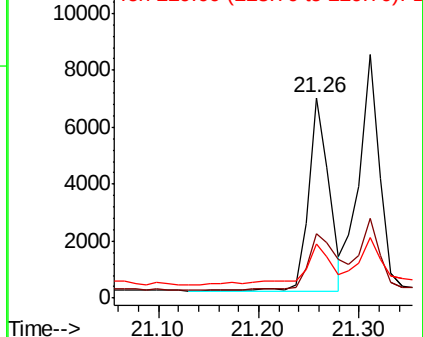
229 27.1 16.2 24.4#

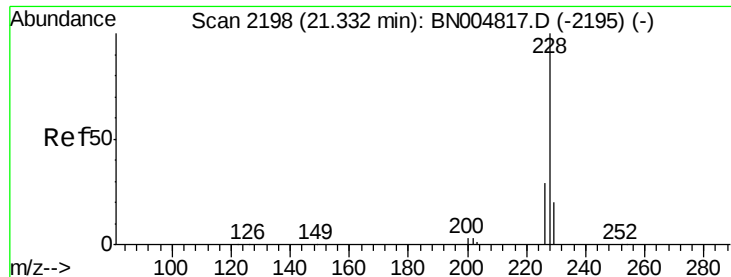


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.190 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919

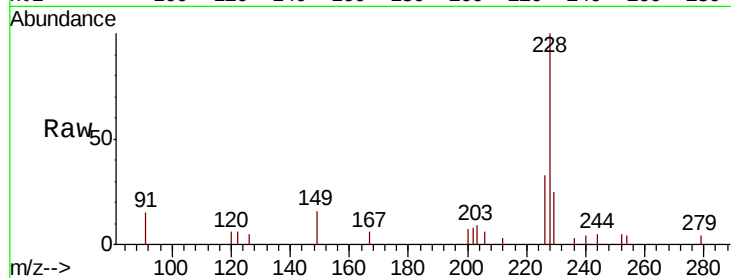
Tgt Ion: 228 Resp: 11510

Ion Ratio Lower Upper

228 100

226 32.8 23.0 34.6

229 25.1 16.2 24.2#

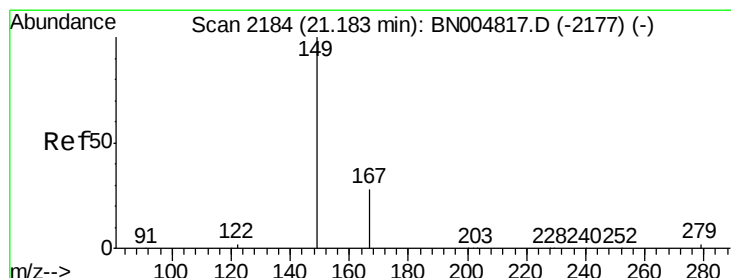
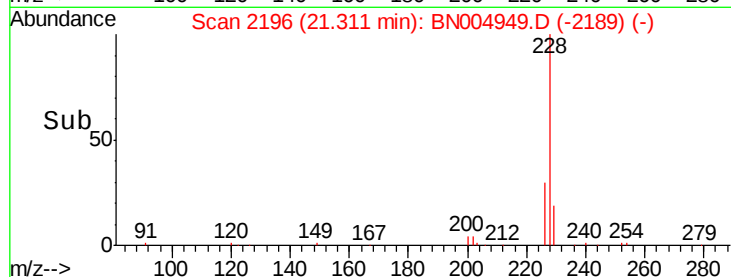
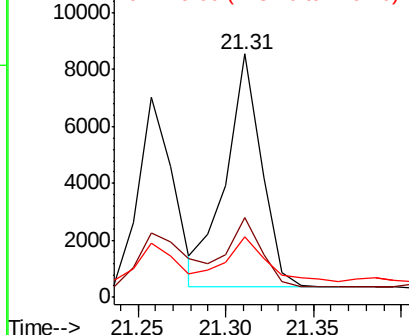


Abundance

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: 0.288 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

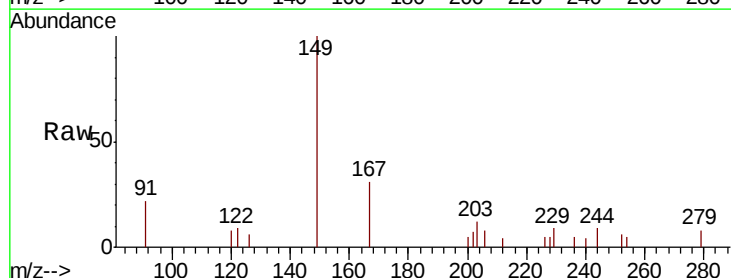
Tgt Ion: 149 Resp: 6626

Ion Ratio Lower Upper

149 100

167 29.3 23.0 34.4

279 5.4 4.6 6.8

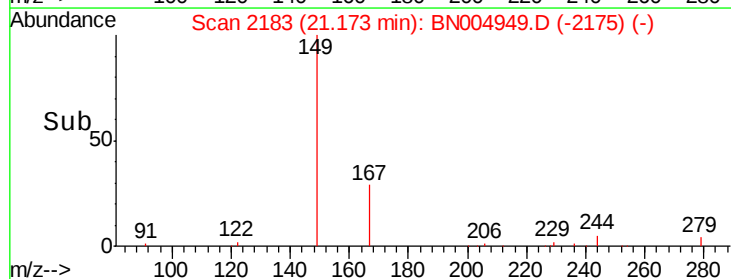
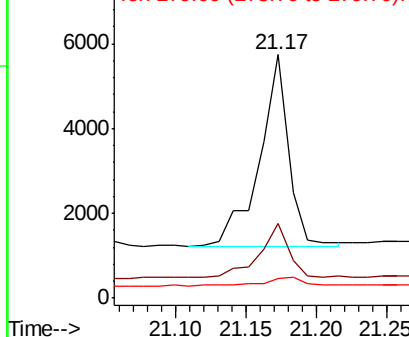


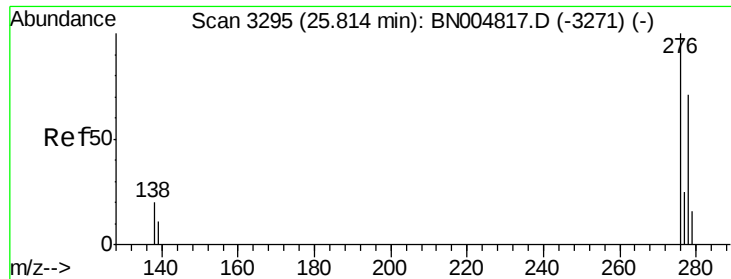
Abundance

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: 0.069 ng

RT: 25.79 min Scan# 3287

Delta R.T. -0.03 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919

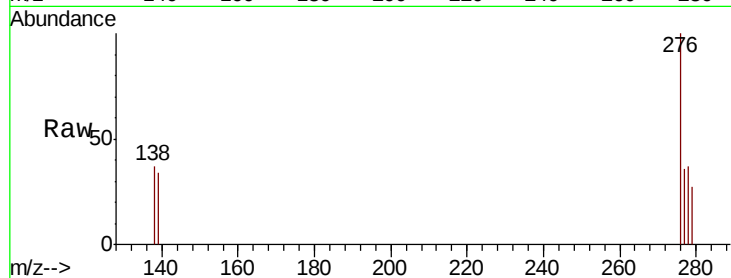
Tgt Ion: 276 Resp: 6018

Ion Ratio Lower Upper

276 100

138 25.5 16.6 24.8#

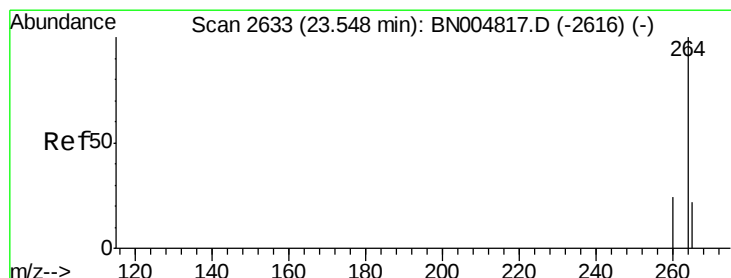
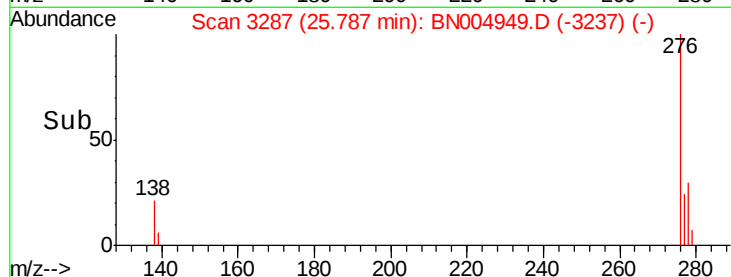
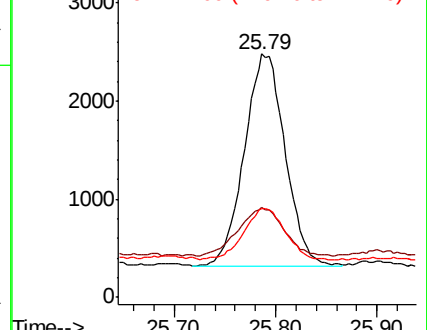
277 25.1 20.3 30.5



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

Perylene-d12

Concen: 0.400 ng

RT: 23.52 min Scan# 2626

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

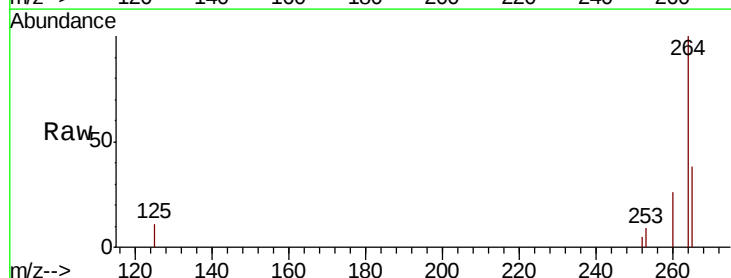
Tgt Ion: 264 Resp: 18652

Ion Ratio Lower Upper

264 100

260 26.1 19.5 29.3

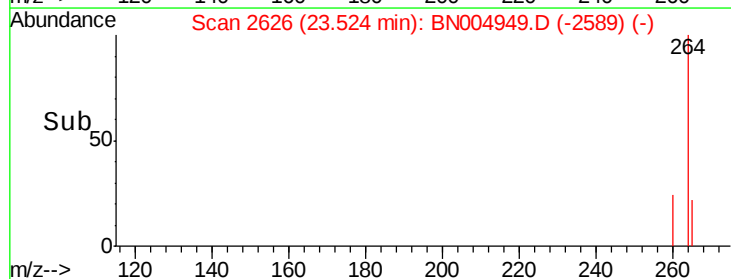
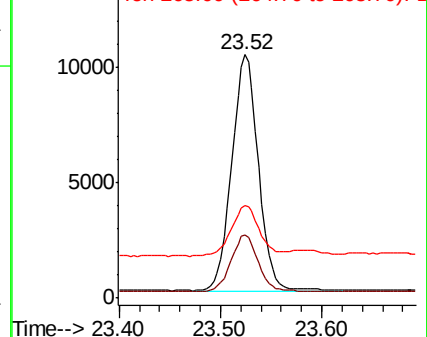
265 38.1 23.1 34.7#

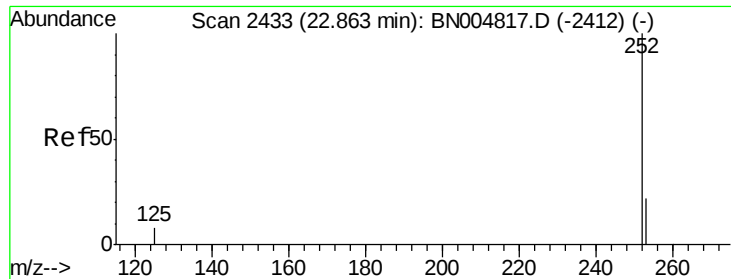


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

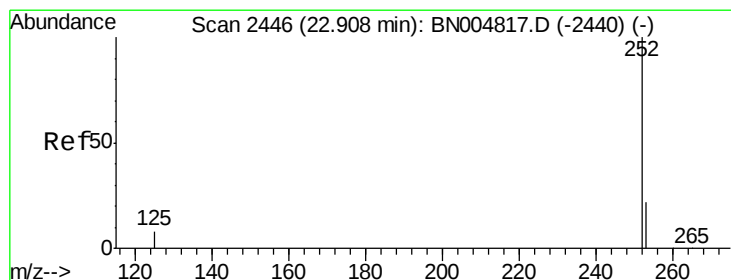
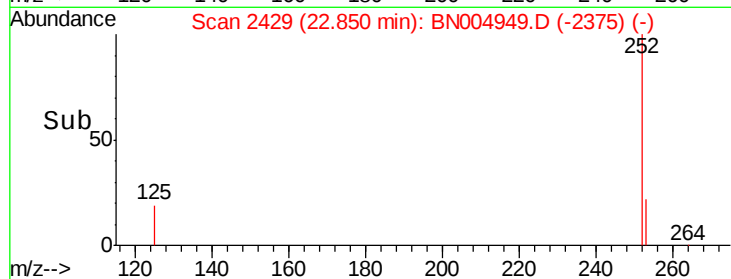
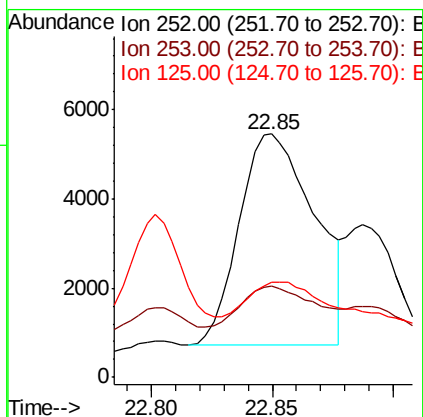
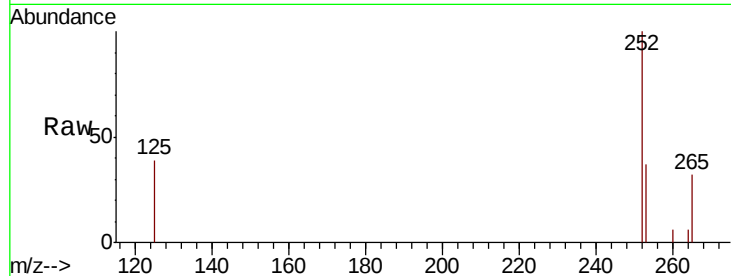




#35
Benzo(b)fluoranthene
Concen: 0.152 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BN004949.D
Acq: 24 Mar 2019 21:08

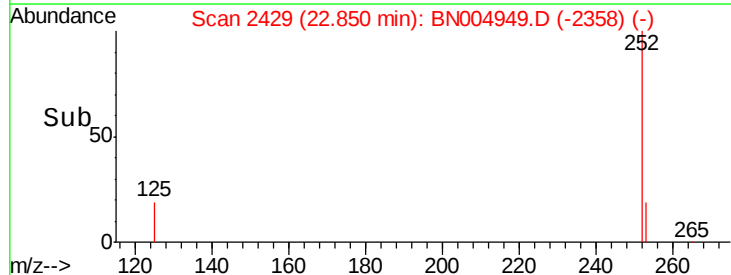
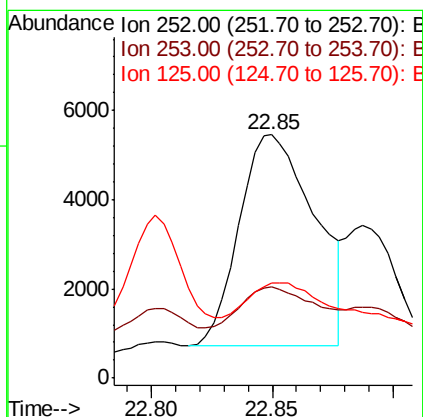
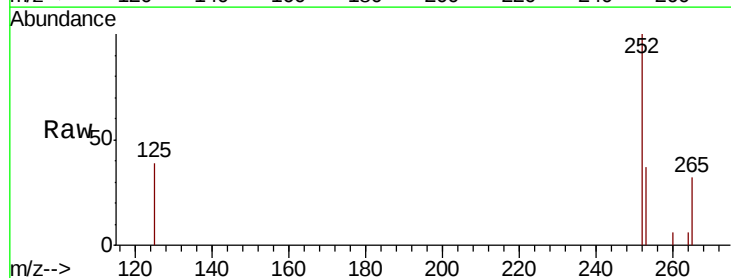
Instrument :
BNA_N
ClientSampleId :
PST-026-SW038-031919

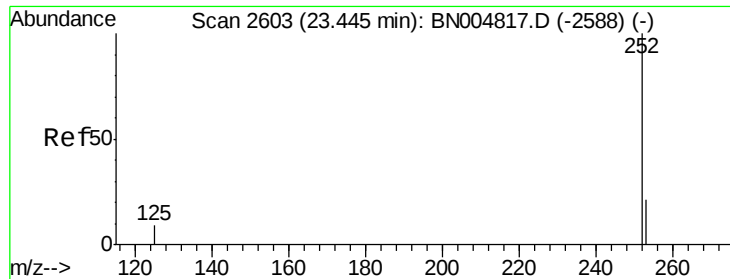
Tgt Ion:252 Resp: 10285
Ion Ratio Lower Upper
252 100
253 37.4 19.0 28.4#
125 38.8 7.4 11.2#



#36
Benzo(k)fluoranthene
Concen: 0.155 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.06 min
Lab File: BN004949.D
Acq: 24 Mar 2019 21:08

Tgt Ion:252 Resp: 10285
Ion Ratio Lower Upper
252 100
253 37.4 19.3 28.9#
125 38.8 7.4 11.0#





#37

Benzo(a)pyrene

Concen: 0.129 ng

RT: 23.42 min Scan# 2597

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919

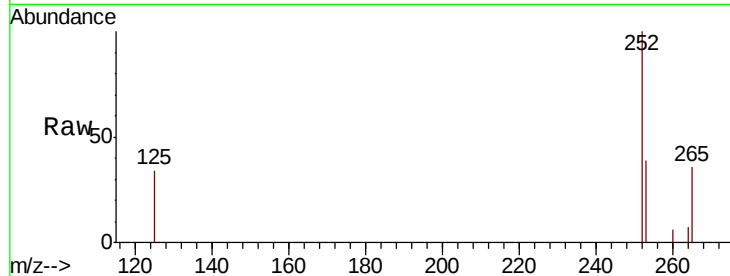
Tgt Ion: 252 Resp: 8001

Ion Ratio Lower Upper

252 100

253 39.2 19.7 29.5#

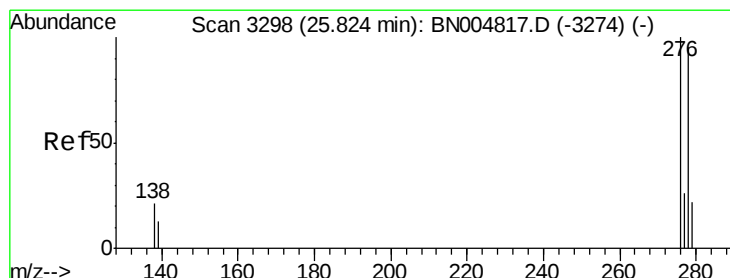
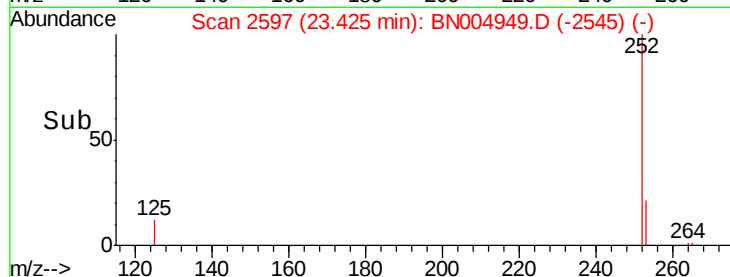
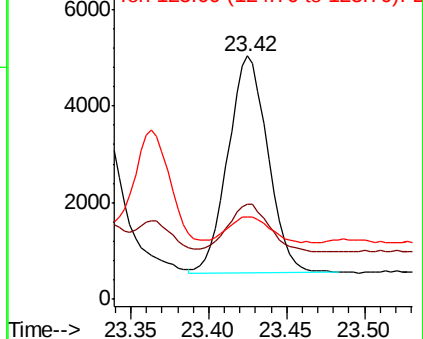
125 33.8 8.3 12.5#



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: 0.032 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.03 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

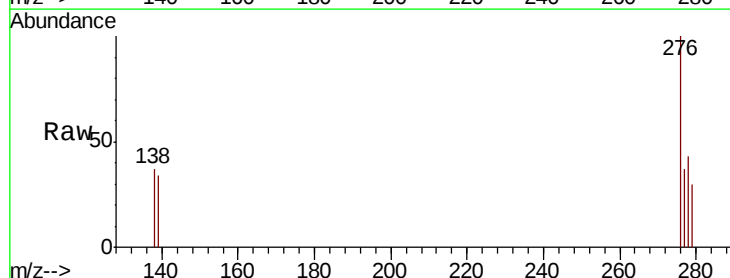
Tgt Ion: 278 Resp: 2296

Ion Ratio Lower Upper

278 100

139 78.4 11.7 17.5#

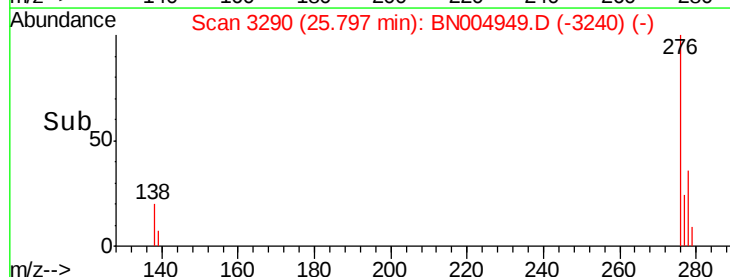
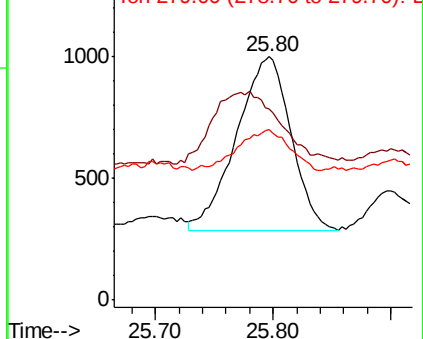
279 69.9 19.9 29.9#

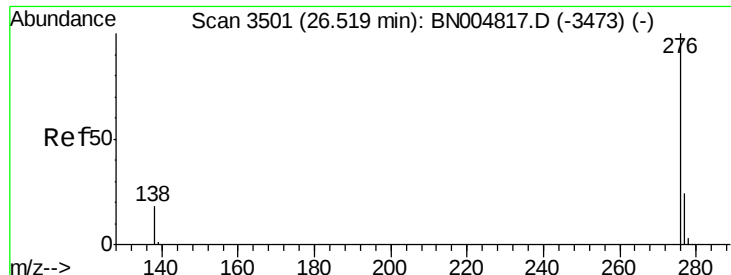


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.098 ng

RT: 26.48 min Scan# 3491

Delta R.T. -0.03 min

Lab File: BN004949.D

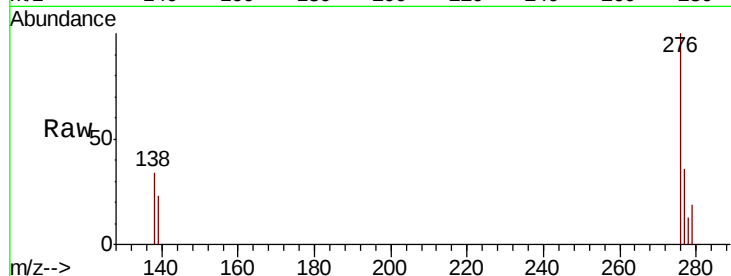
Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

PST-026-SW038-031919



Tgt Ion: 276 Resp: 7191

Ion Ratio Lower Upper

276 100

277 36.0 19.7 29.5#

138 33.7 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

