

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
 Data File : BN004967.D
 Acq On : 25 Mar 2019 18:53
 Operator : JU/SJ
 Sample : K2015-13MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 26 04:21:48 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	4184	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	15739	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	7623	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	16553	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	19737	0.40	ng	-0.01
34) Perylene-d12	23.54	264	21823	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	3449	0.30	ng	0.00
5) Phenol-d6	6.86	99	4110	0.29	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3325	0.32	ng	-0.03
11) 2-Methylnaphthalene-d10	12.07	152	7182	0.26	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	1454	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	9173	0.29	ng	-0.02
25) Fluoranthene-d10	19.12	212	13477	0.24	ng	-0.01
29) Terphenyl-d14	19.72	244	10057	0.25	ng	-0.01

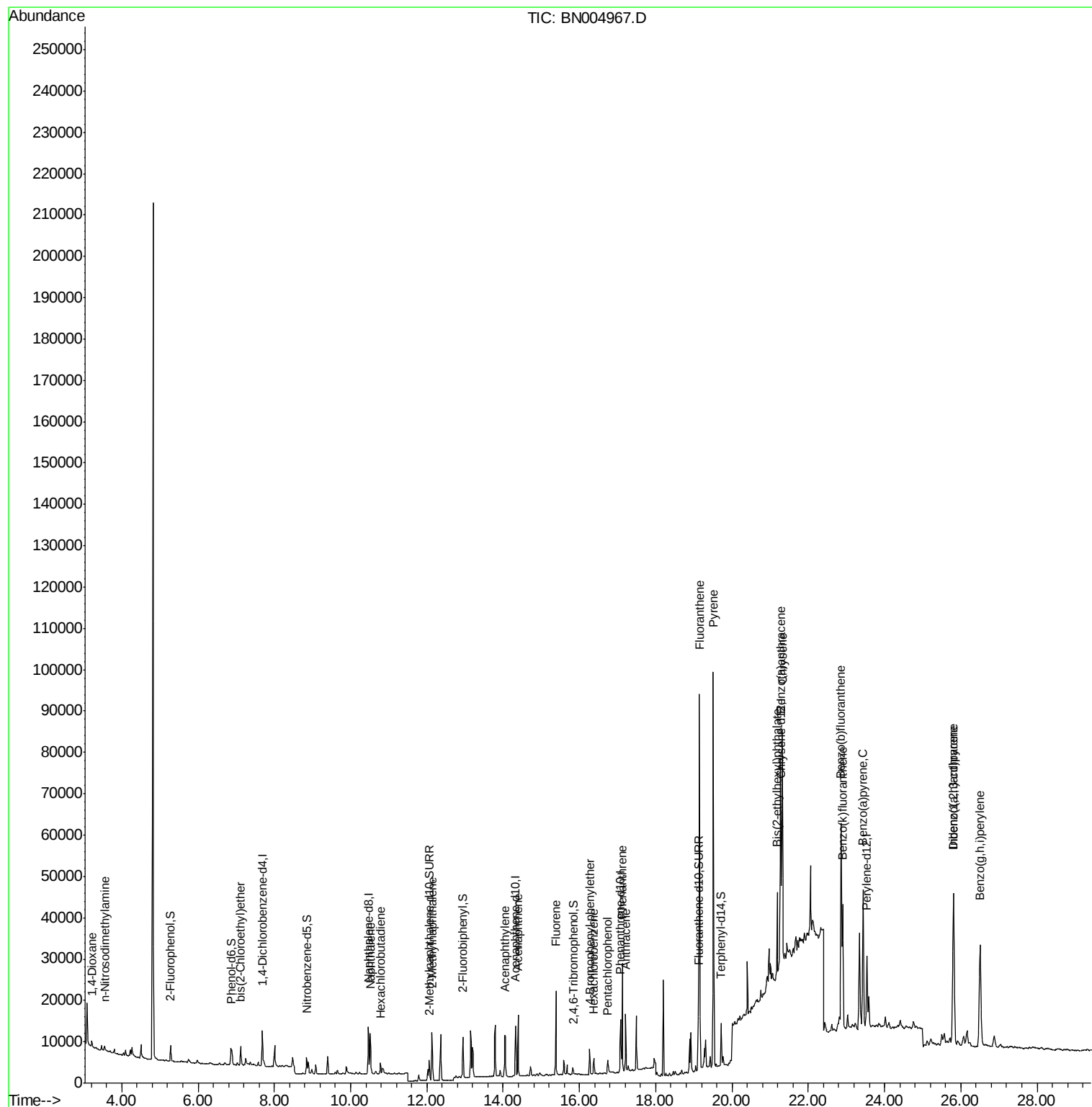
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	1021	0.215	ng	# 46
3) n-Nitrosodimethylamine	3.55	42	848	0.302	ng	# 86
6) bis(2-Chloroethyl)ether	7.12	93	3563	0.279	ng	98
9) Naphthalene	10.52	128	12593	0.285	ng	99
10) Hexachlorobutadiene	10.78	225	2122	0.252	ng	# 100
12) 2-Methylnaphthalene	12.14	142	8599	0.262	ng	100
16) Acenaphthylene	14.05	152	12911	0.329	ng	100
17) Acenaphthene	14.39	154	7249	0.282	ng	99
18) Fluorene	15.38	166	9531	0.266	ng	99
20) 4-Bromophenyl-phenylether	16.27	248	2911	0.269	ng	95
21) Hexachlorobenzene	16.38	284	2978	0.241	ng	94
22) Pentachlorophenol	16.74	266	2217m	0.916	ng	
23) Phenanthrene	17.12	178	25914	0.485	ng	99
24) Anthracene	17.22	178	15821	0.331	ng	100
26) Fluoranthene	19.15	202	80287	1.169	ng	# 93
28) Pyrene	19.51	202	82517	1.371	ng	97
30) Benzo(a)anthracene	21.27	228	41666	0.644	ng	# 91
31) Chrysene	21.32	228	52841	0.775	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.18	149	17209	0.665	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.81	276	49323	0.500	ng	99
35) Benzo(b)fluoranthene	22.86	252	71023	0.900	ng	# 86
36) Benzo(k)fluoranthene	22.90	252	35033	0.451	ng	# 80
37) Benzo(a)pyrene	23.44	252	45822	0.633	ng	# 80
38) Dibenzo(a,h)anthracene	25.82	278	24655	0.294	ng	# 62
39) Benzo(g,h,i)perylene	26.51	276	51925	0.608	ng	# 86

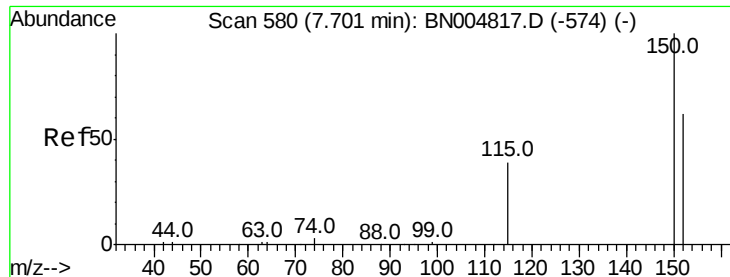
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

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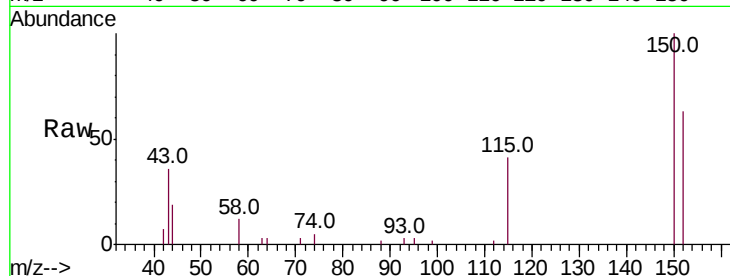
Tot Ion:152 Resp: 4184

Ion Ratio Lower Upper

152 100

150 157.6 126.2 189.4

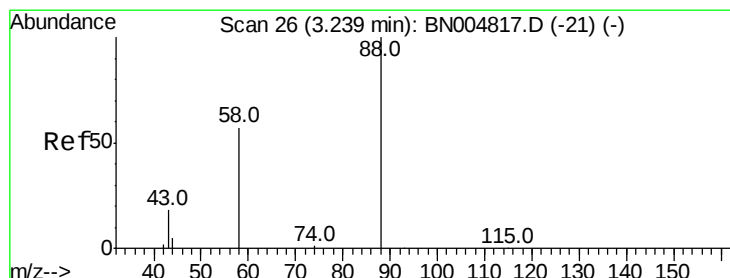
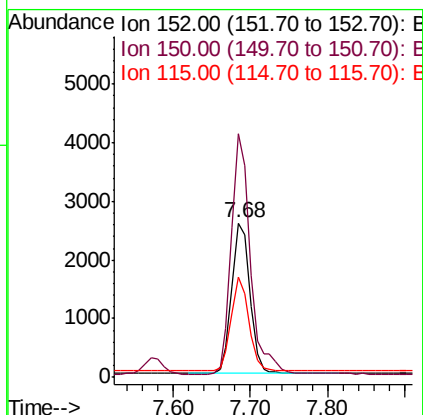
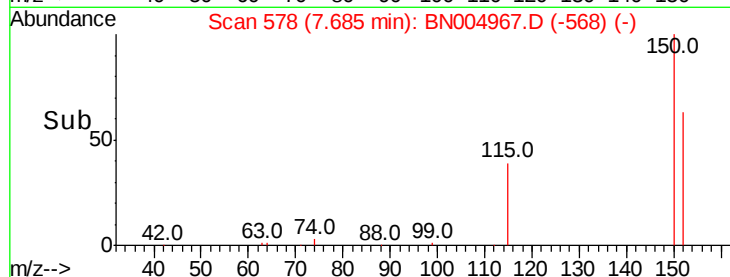
115 64.5 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.215 ng

RT: 3.22 min Scan# 24

Delta R.T. -0.02 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

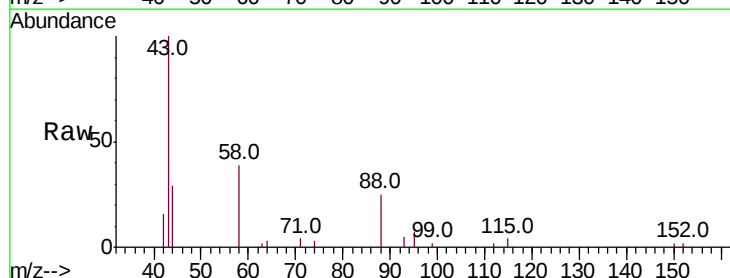
Tgt Ion: 88 Resp: 1021

Ion Ratio Lower Upper

88 100

58 84.8 51.4 77.2#

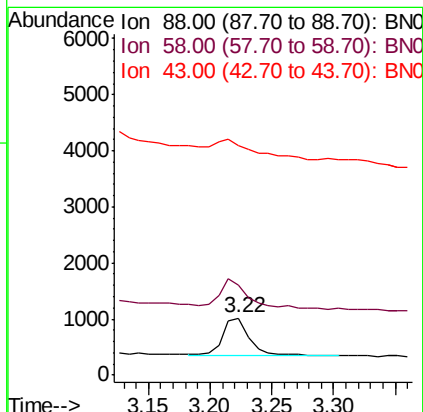
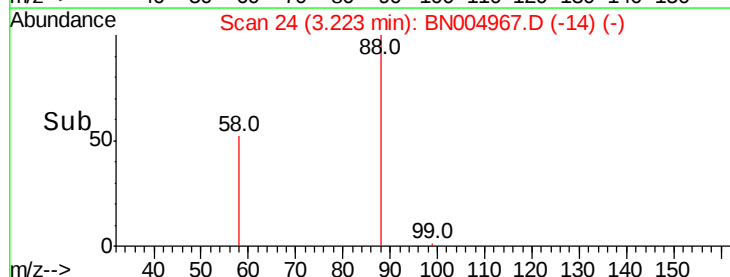
43 88.1 20.0 30.0#

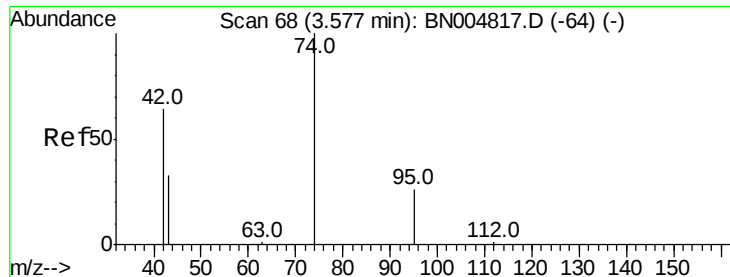


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.302 ng

RT: 3.55 min Scan# 64

Delta R.T. -0.03 min

Lab File: BN004967.D

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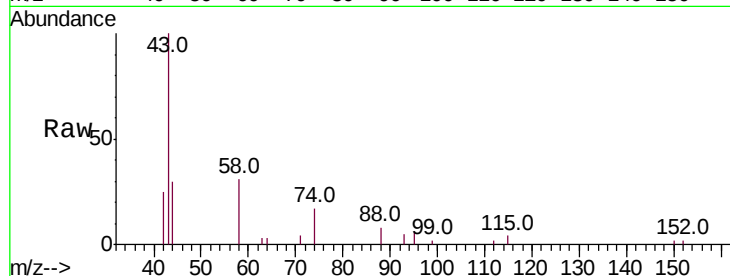
Tot Ion: 42 Resp: 848

Ion Ratio Lower Upper

42 100

74 178.7 128.4 192.6

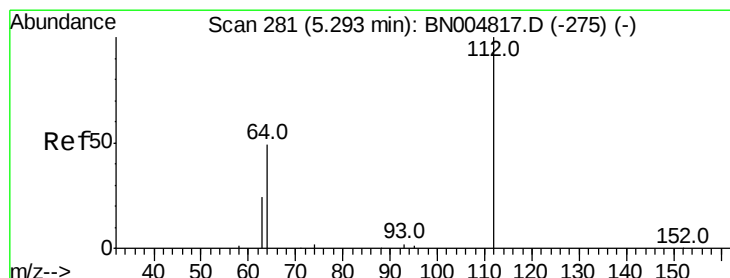
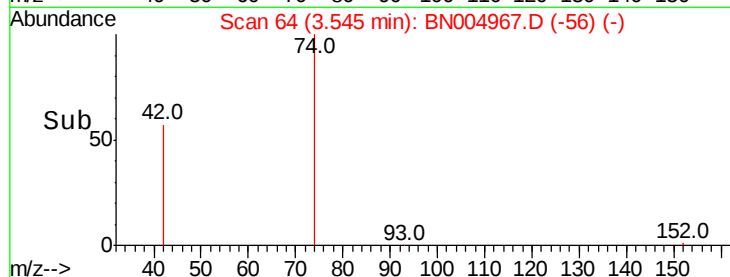
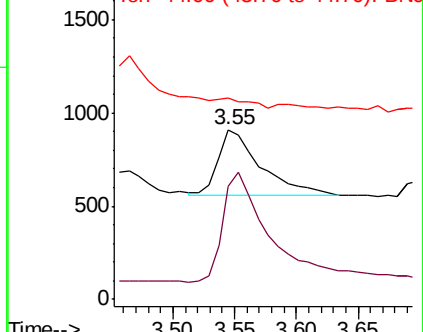
44 0.0 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.303 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

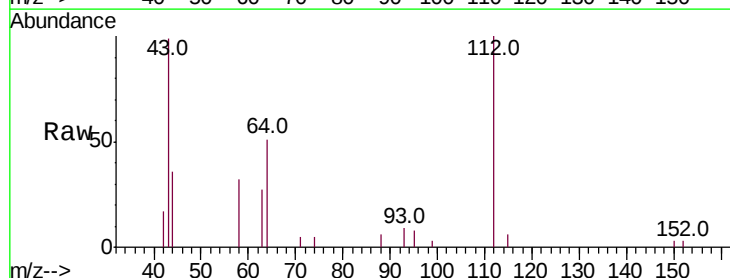
Tgt Ion: 112 Resp: 3449

Ion Ratio Lower Upper

112 100

64 52.2 40.0 60.0

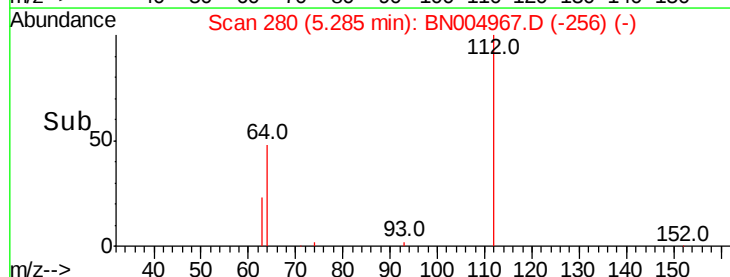
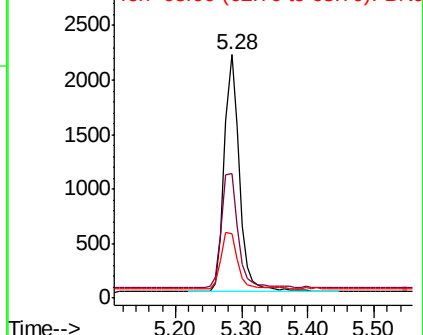
63 26.0 20.2 30.2

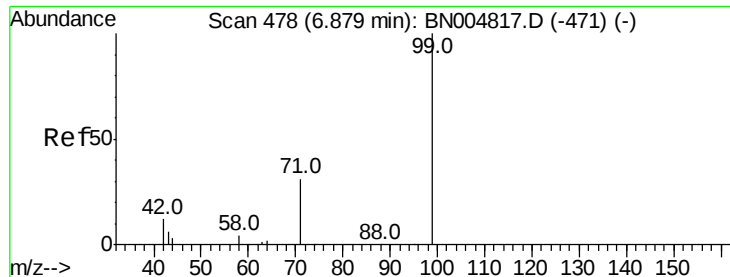


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.290 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

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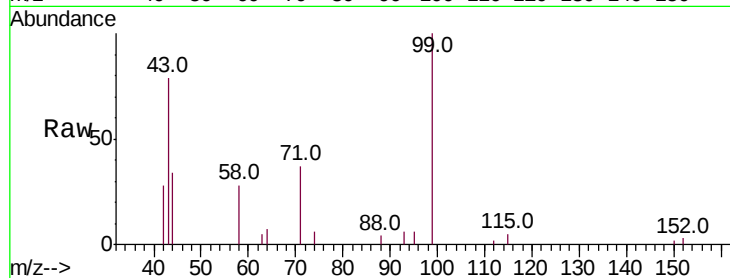
Tot Ion: 99 Resp: 4110

Ion Ratio Lower Upper

99 100

42 20.9 12.7 19.1#

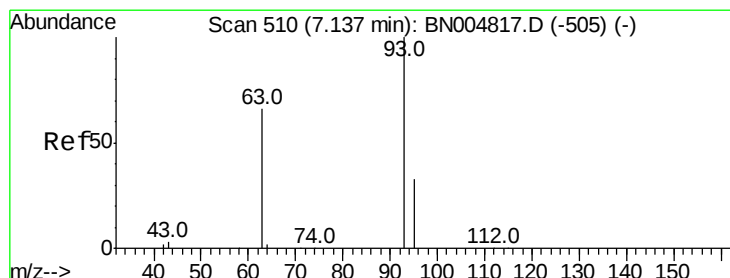
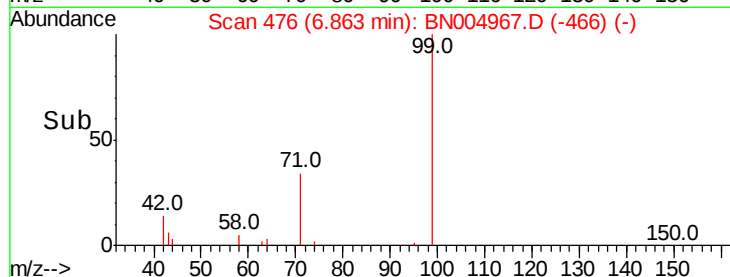
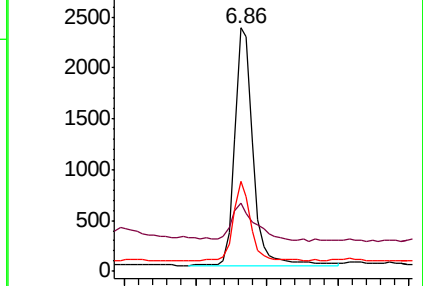
71 32.9 26.6 40.0



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

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

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



#6

bis(2-Chloroethyl)ether

Concen: 0.279 ng

RT: 7.12 min Scan# 508

Delta R.T. -0.02 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

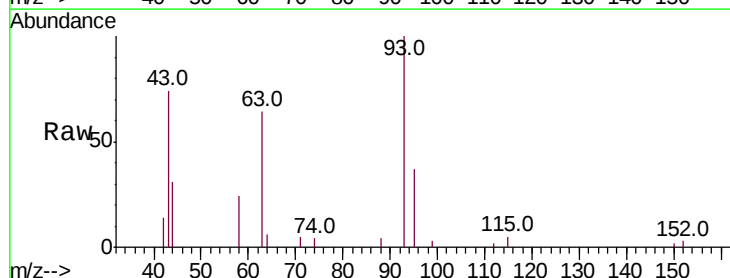
Tgt Ion: 93 Resp: 3563

Ion Ratio Lower Upper

93 100

63 67.2 52.6 78.8

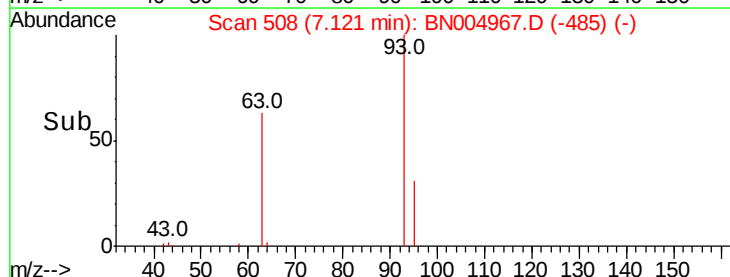
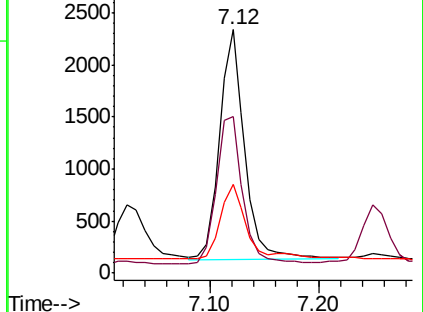
95 34.5 25.9 38.9

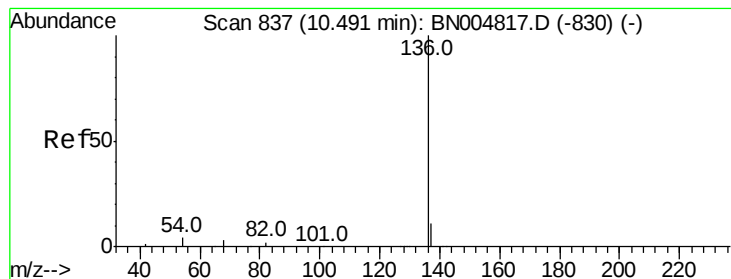


Abundance Ion 93.00 (92.70 to 93.70): BN004817.D (-505) (-)

Ion 63.00 (62.70 to 63.70): BN004817.D (-505) (-)

Ion 95.00 (94.70 to 95.70): BN004817.D (-505) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

Tot Ion:136 Resp: 15739

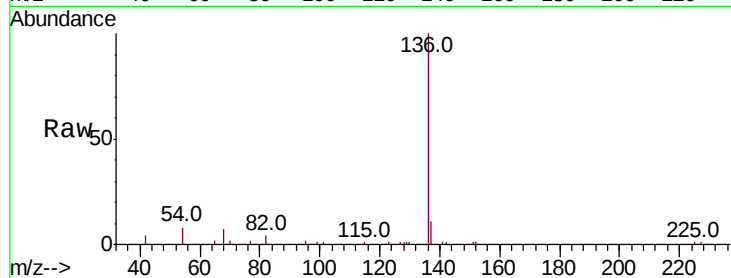
Ion Ratio Lower Upper

136 100

137 11.4 9.6 14.4

54 7.6 4.2 6.2#

68 6.6 3.9 5.9#

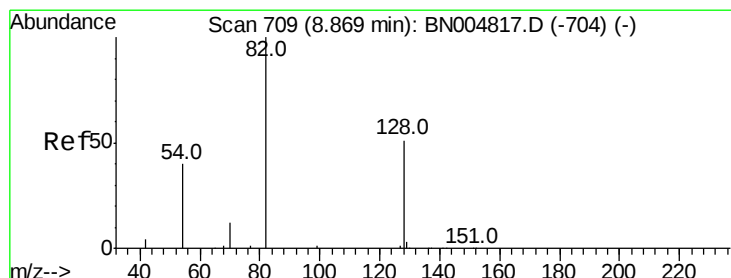
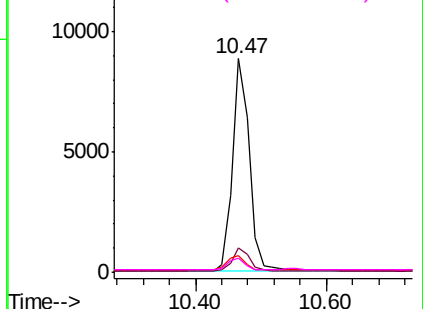
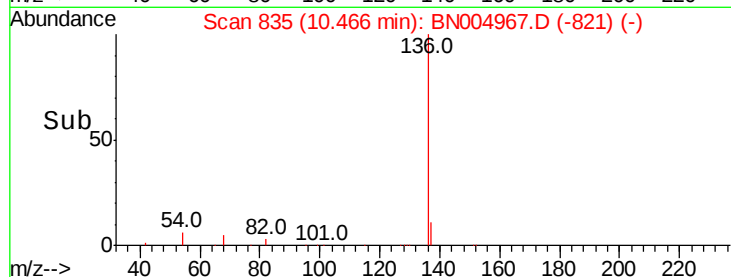


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.319 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

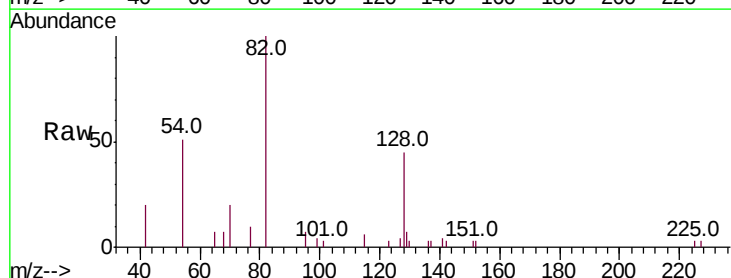
Tgt Ion: 82 Resp: 3325

Ion Ratio Lower Upper

82 100

128 45.3 43.0 64.6

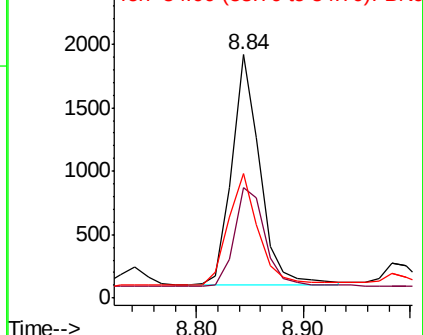
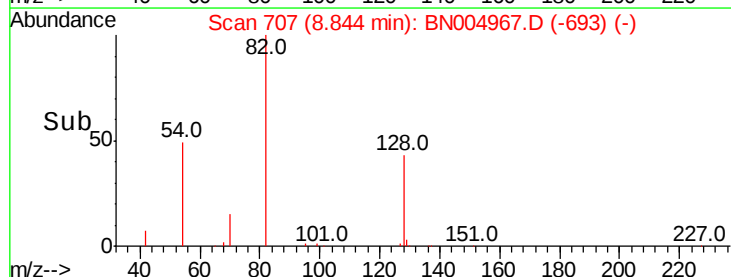
54 51.2 35.3 52.9

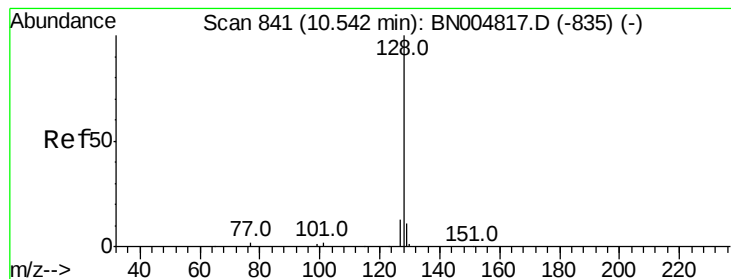


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.285 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

Lab File: BN004967.D

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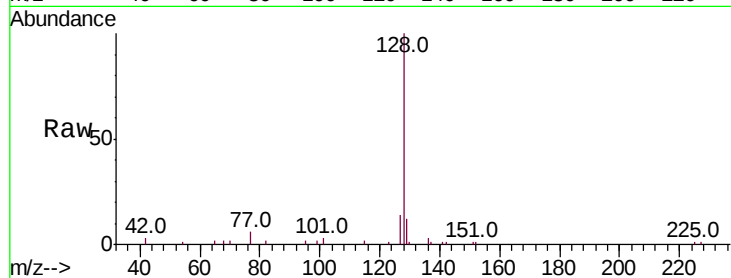
Tot Ion:128 Resp: 12593

Ion Ratio Lower Upper

128 100

129 12.0 9.9 14.9

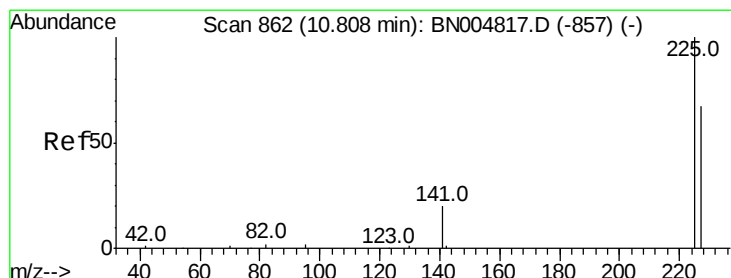
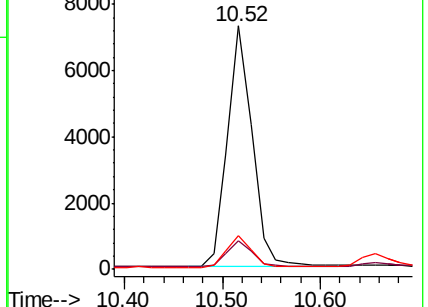
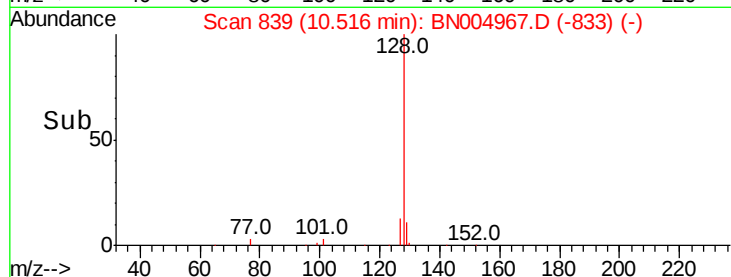
127 13.8 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.252 ng

RT: 10.78 min Scan# 860

Delta R.T. -0.03 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

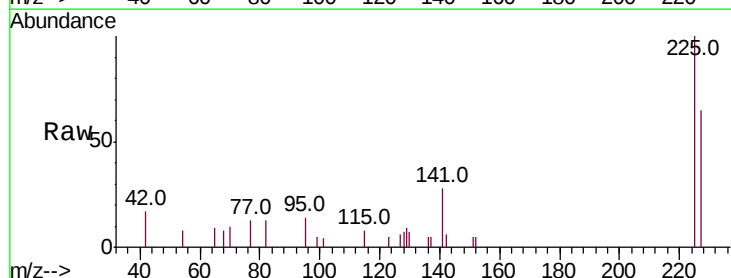
Tgt Ion:225 Resp: 2122

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

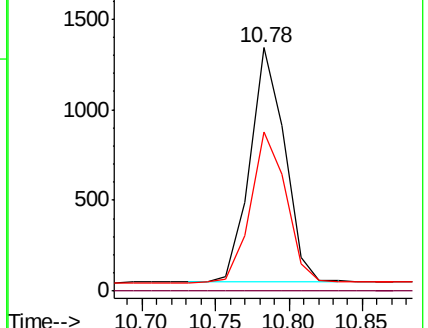
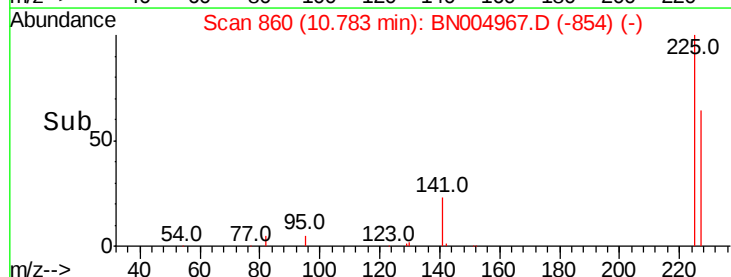
227 65.0 52.2 78.4

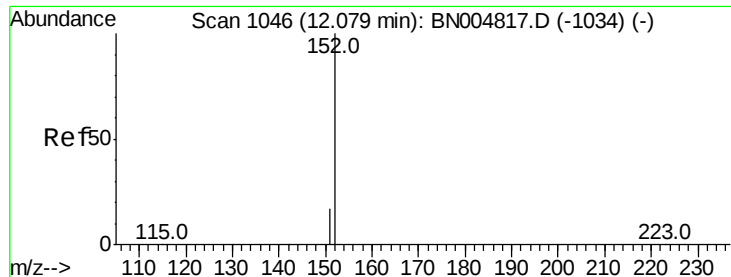


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

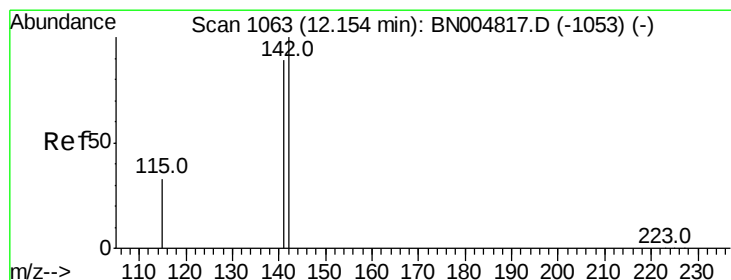
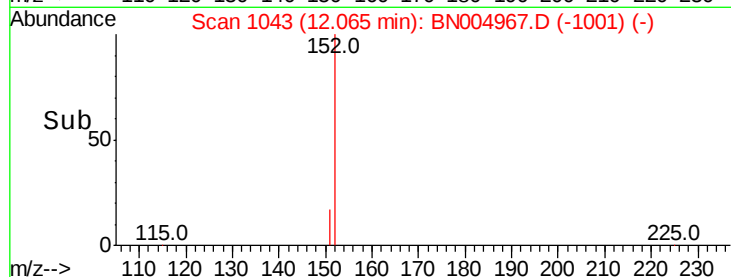
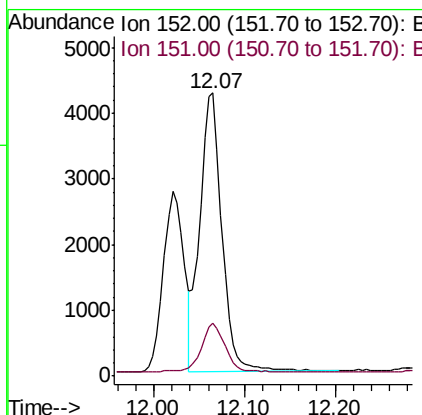
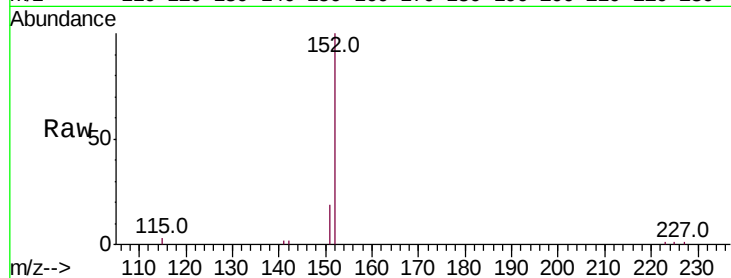




#11
2-Methylnaphthalene-d10
Concen: 0.262 ng
RT: 12.07 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BN004967.D
Acq: 25 Mar 2019 18:53

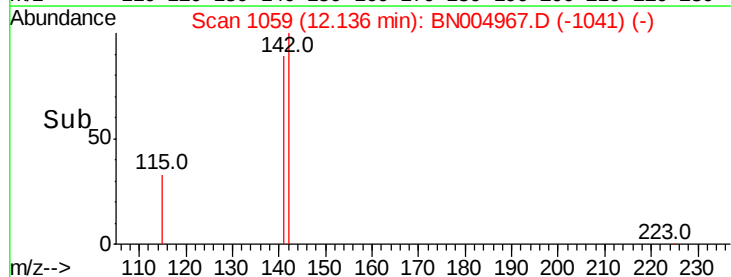
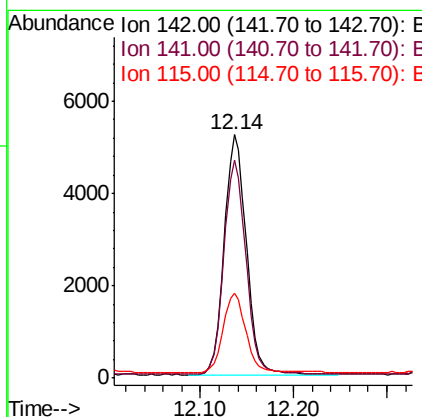
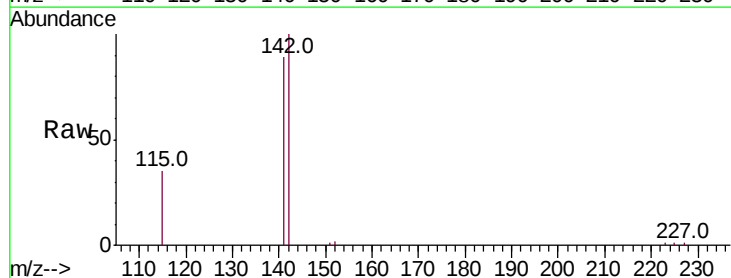
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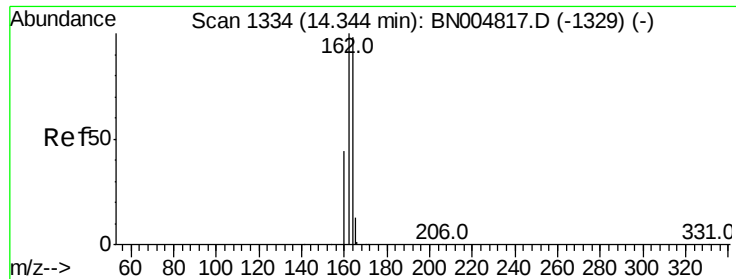
Tot Ion:152 Resp: 7182
Ion Ratio Lower Upper
152 100
151 19.2 15.5 23.3



#12
2-Methylnaphthalene
Concen: 0.262 ng
RT: 12.14 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BN004967.D
Acq: 25 Mar 2019 18:53

Tgt Ion:142 Resp: 8599
Ion Ratio Lower Upper
142 100
141 89.4 71.4 107.2
115 35.1 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

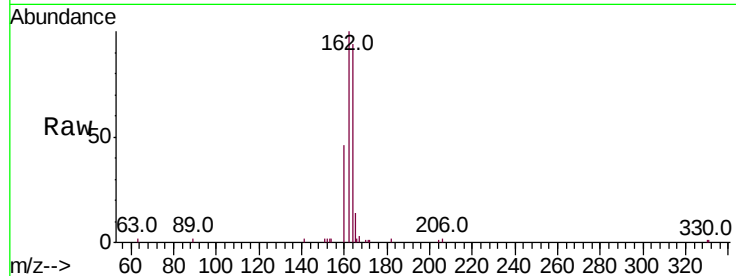
Tot Ion:164 Resp: 7623

Ion Ratio Lower Upper

164 100

162 106.6 81.9 122.9

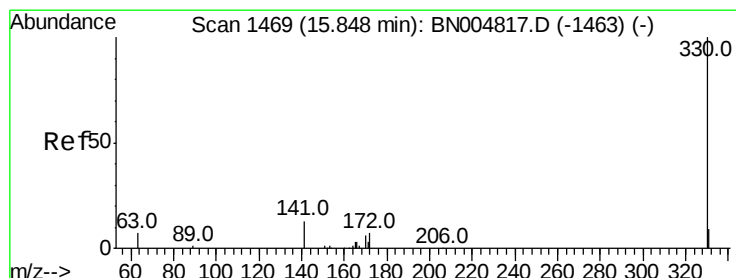
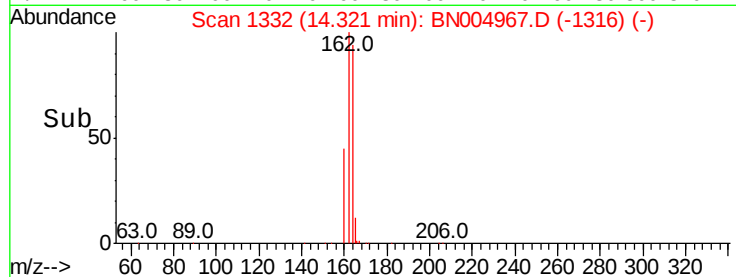
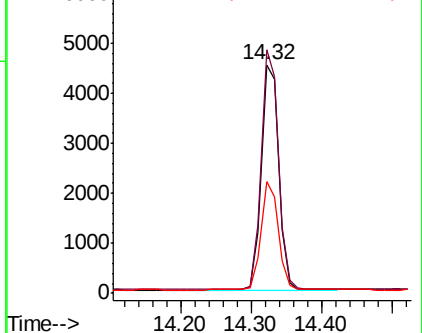
160 49.1 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.276 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

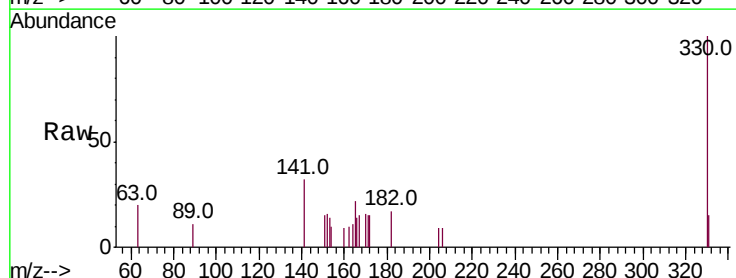
Tgt Ion:330 Resp: 1454

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

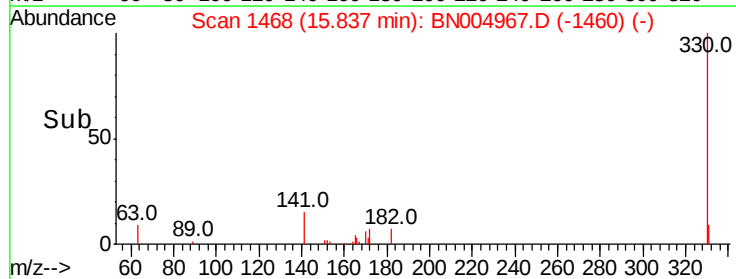
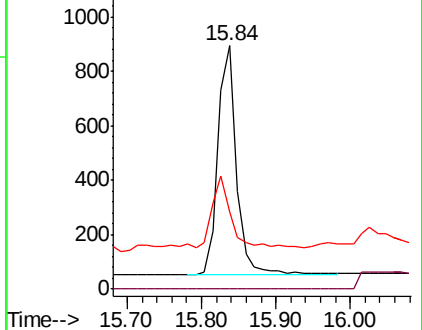
141 32.1 20.9 31.3#

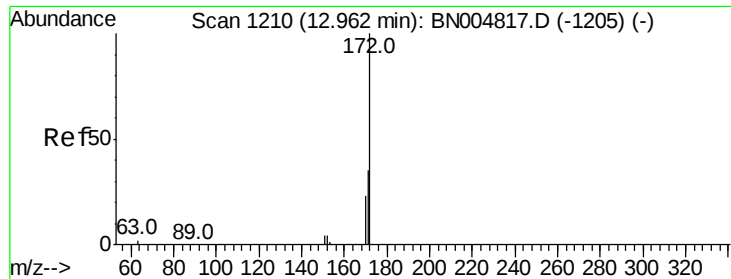


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

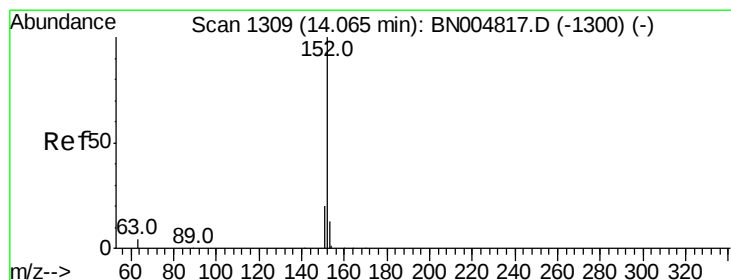
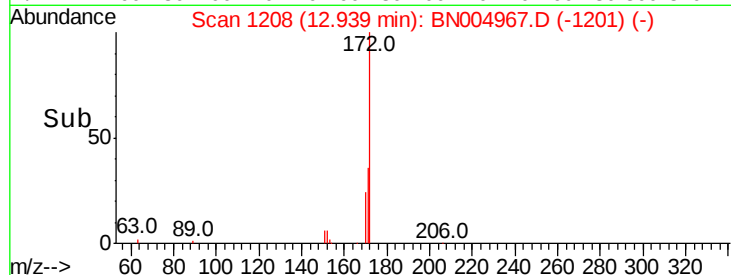
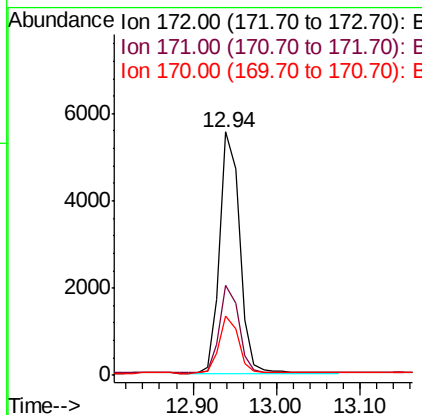
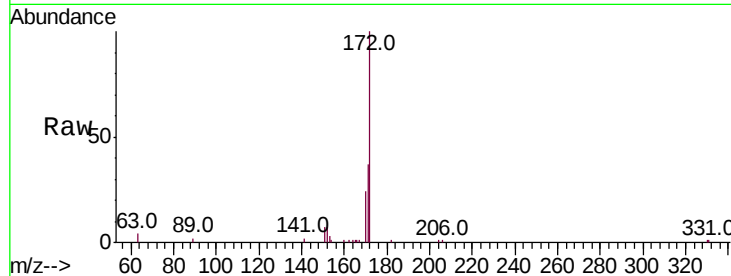




#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004967.D
Acq: 25 Mar 2019 18:53

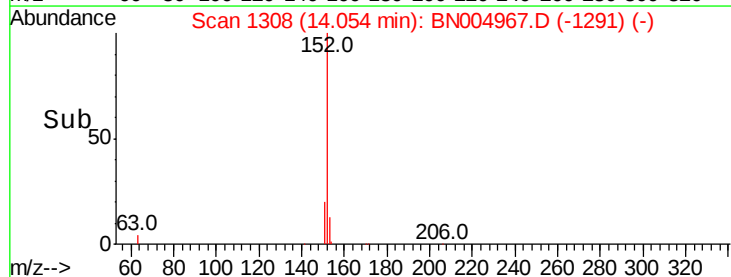
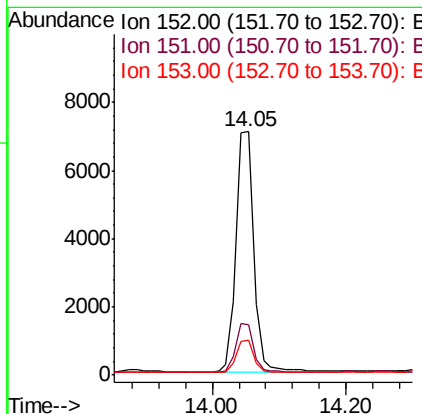
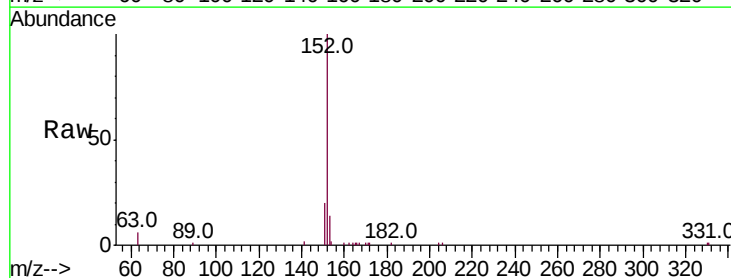
Instrument :
BNA_N
ClientSampleId :
PST-025-B028-031919MSD

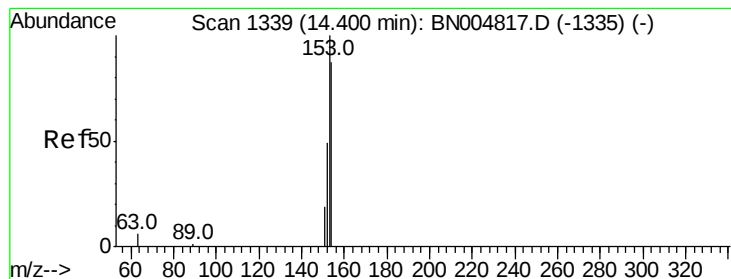
Tot Ion:172 Resp: 9173
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 24.5 18.7 28.1



#16
Acenaphthylene
Concen: 0.329 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004967.D
Acq: 25 Mar 2019 18:53

Tgt Ion:152 Resp: 12911
Ion Ratio Lower Upper
152 100
151 20.4 16.1 24.1
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.282 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

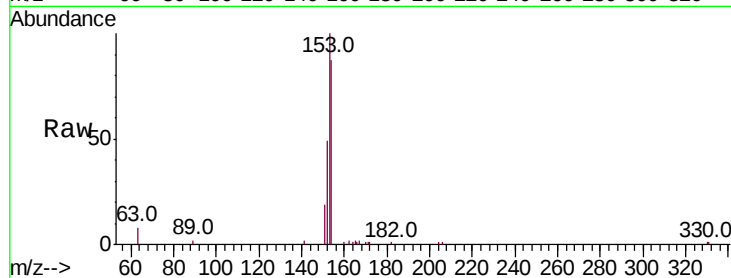
Tot Ion:154 Resp: 7249

Ion Ratio Lower Upper

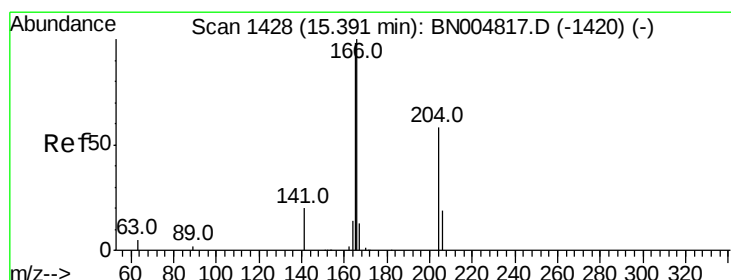
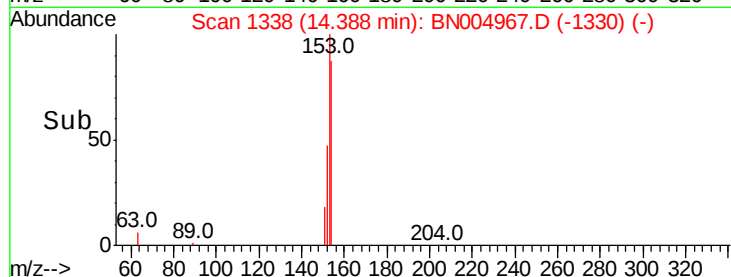
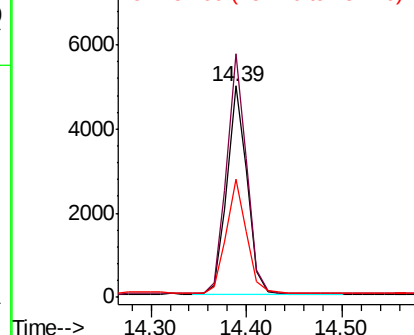
154 100

153 113.5 91.4 137.2

152 54.2 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.266 ng

RT: 15.38 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

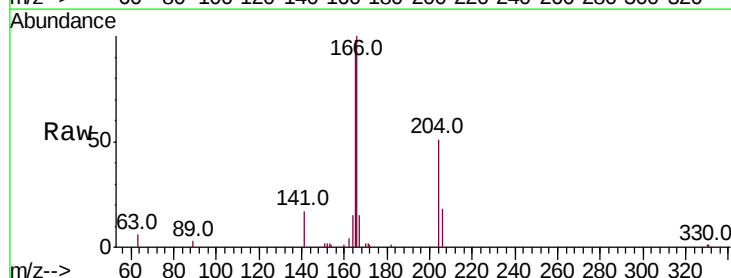
Tgt Ion:166 Resp: 9531

Ion Ratio Lower Upper

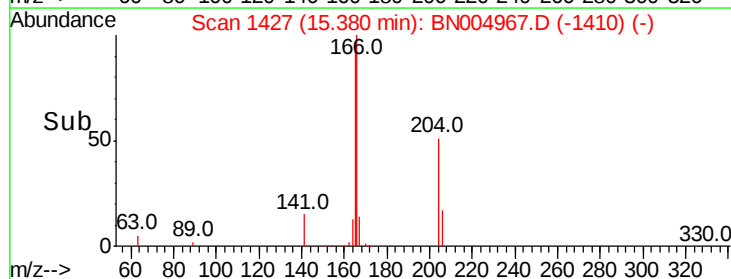
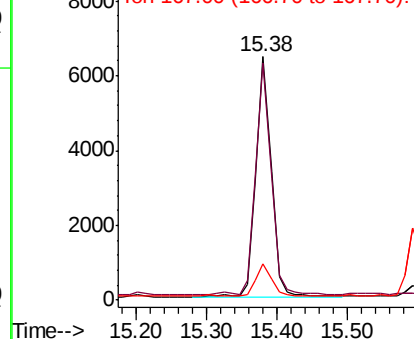
166 100

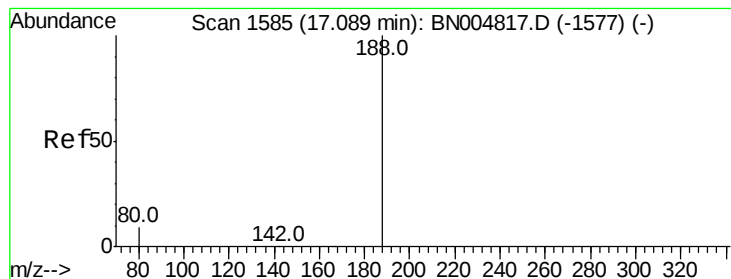
165 98.9 78.2 117.4

167 14.0 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: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

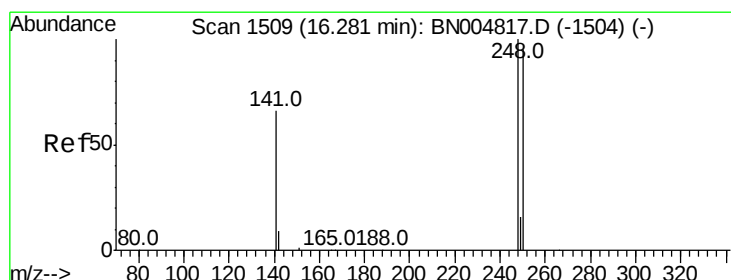
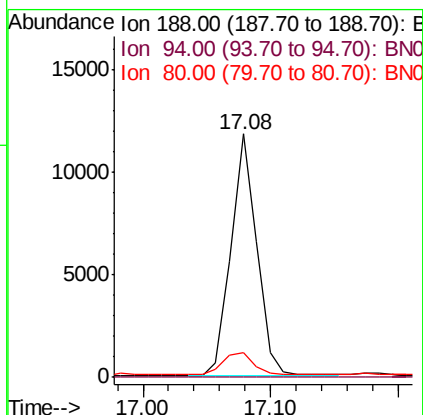
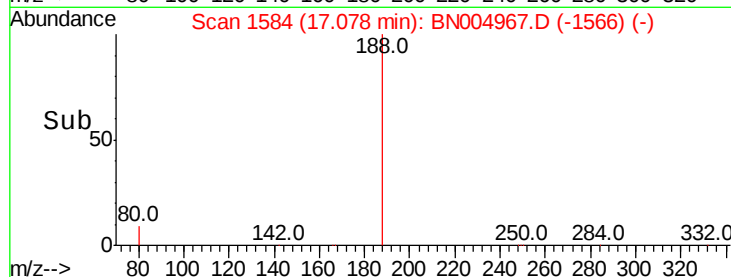
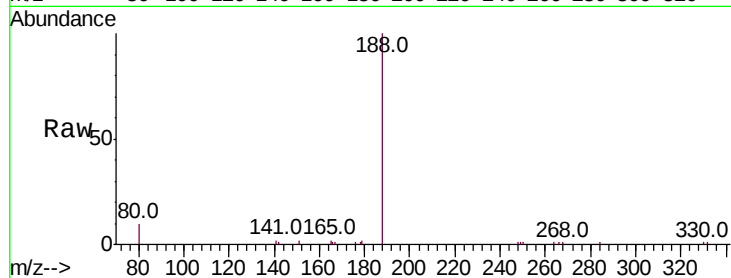
Tot Ion:188 Resp: 16553

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.1 7.4 11.2



#20

4-Bromophenyl-phenylether

Concen: 0.269 ng

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

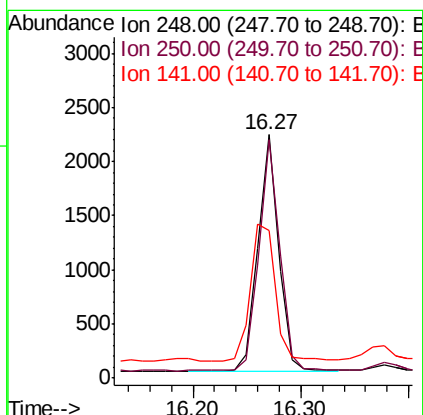
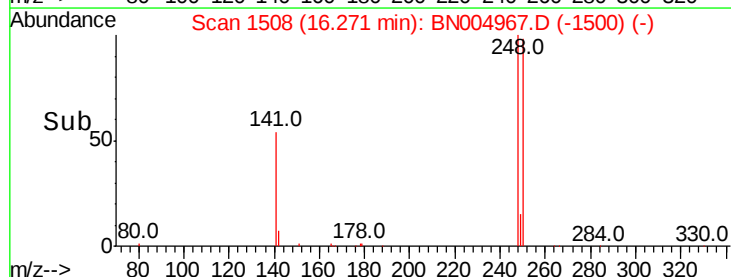
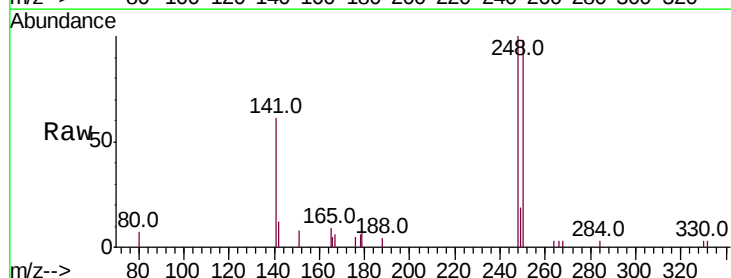
Tgt Ion:248 Resp: 2911

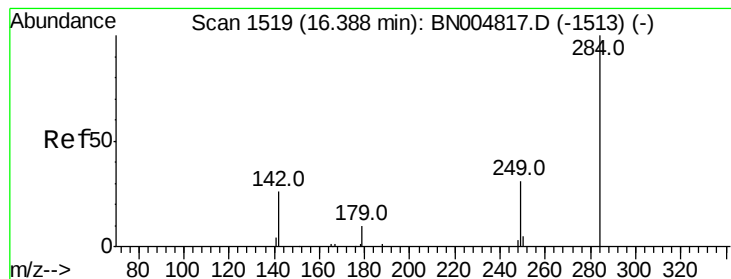
Ion Ratio Lower Upper

248 100

250 97.9 76.2 114.4

141 60.8 53.9 80.9





#21

Hexachlorobenzene

Concen: 0.241 ng

RT: 16.38 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

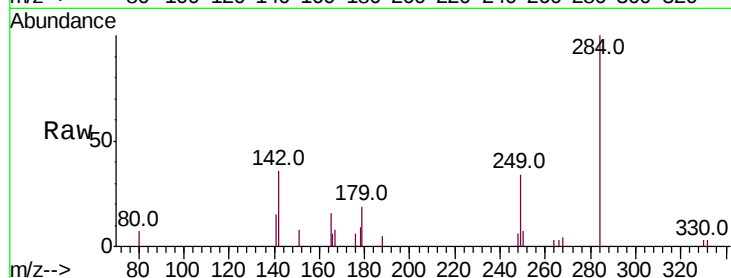
Tot Ion:284 Resp: 2978

Ion Ratio Lower Upper

284 100

142 32.8 22.6 34.0

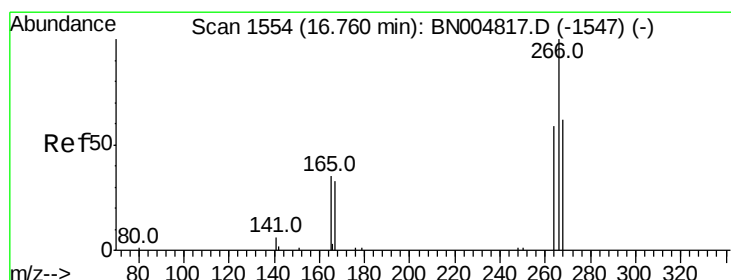
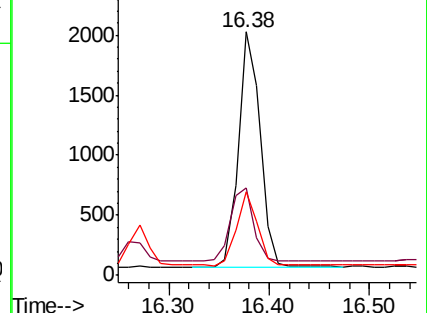
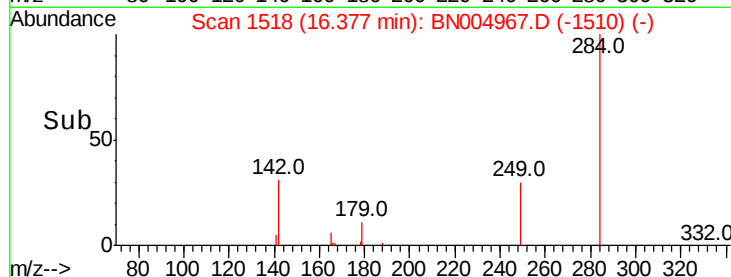
249 29.4 22.5 33.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.916 ng m

RT: 16.74 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

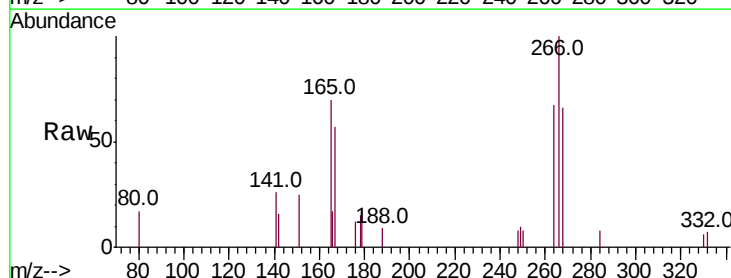
Tgt Ion:266 Resp: 2217

Ion Ratio Lower Upper

266 100

264 67.1 53.1 79.7

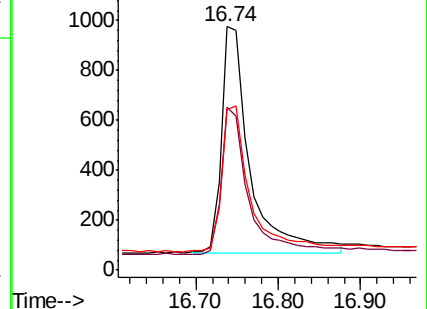
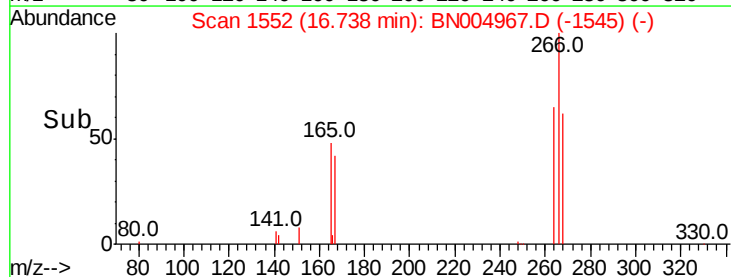
268 65.7 57.7 86.5

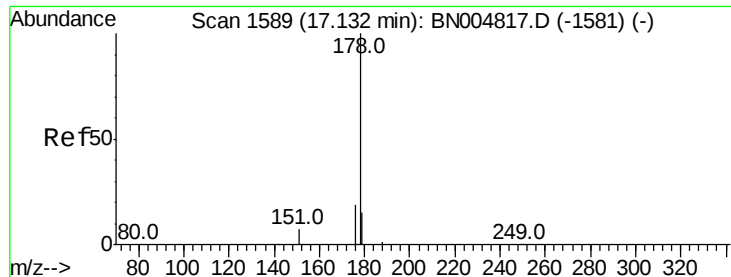


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.485 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

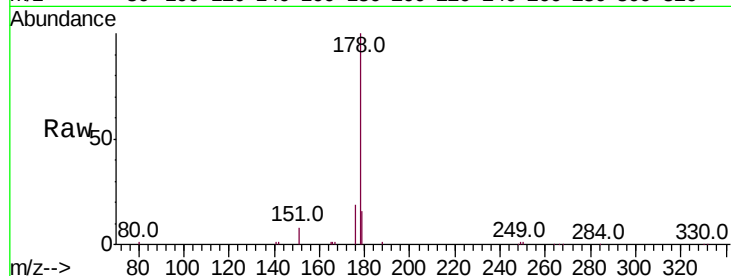
Tot Ion:178 Resp: 25914

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

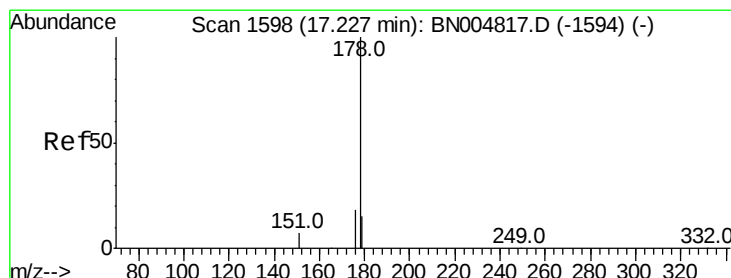
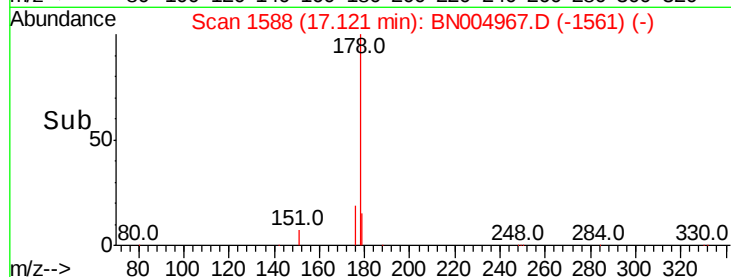
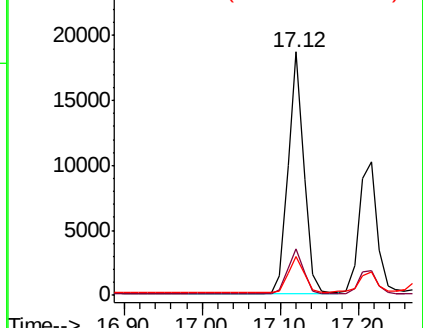
179 15.9 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.331 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

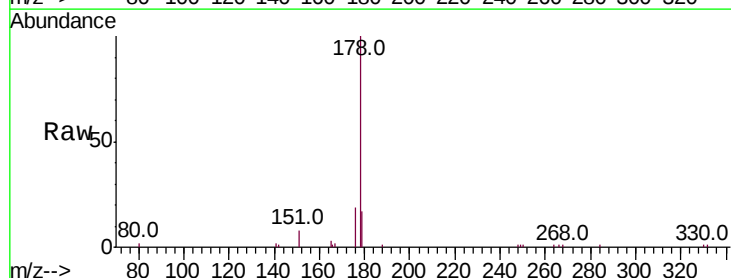
Tgt Ion:178 Resp: 15821

Ion Ratio Lower Upper

178 100

176 18.0 14.5 21.7

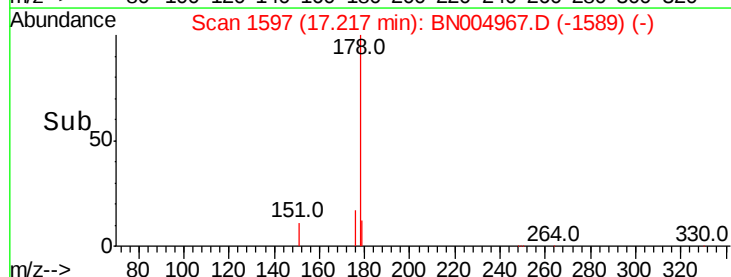
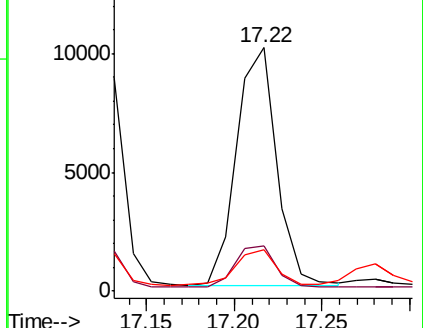
179 15.5 12.2 18.4

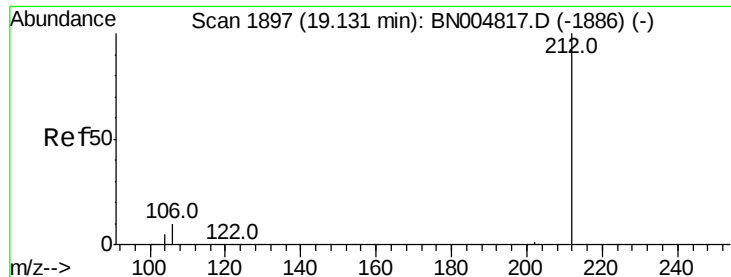


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.243 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

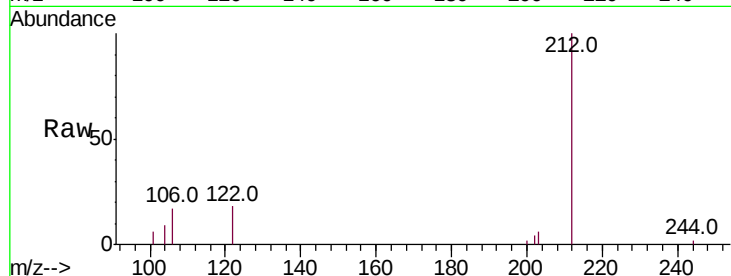
Tot Ion:212 Resp: 13477

Ion Ratio Lower Upper

212 100

106 22.2 8.6 13.0#

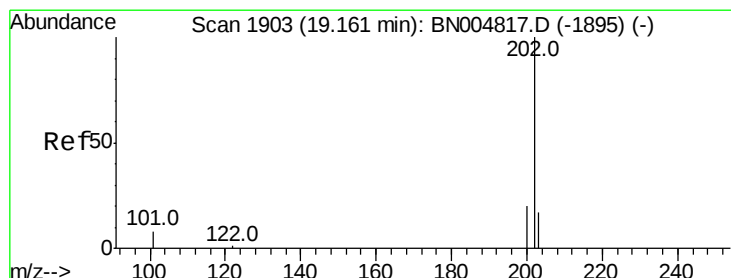
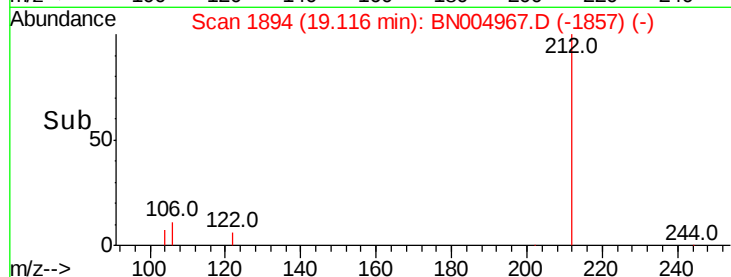
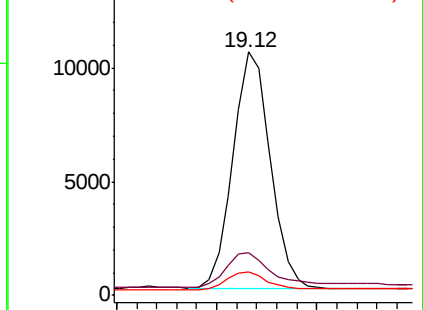
104 11.7 4.7 7.1#



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: 1.169 ng

RT: 19.15 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

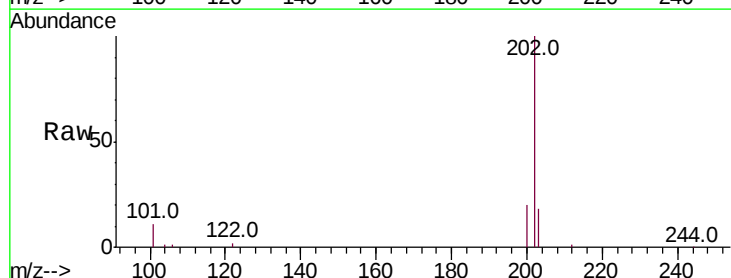
Tgt Ion:202 Resp: 80287

Ion Ratio Lower Upper

202 100

101 16.1 7.5 11.3#

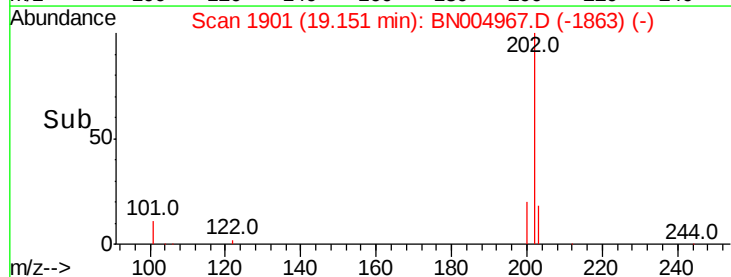
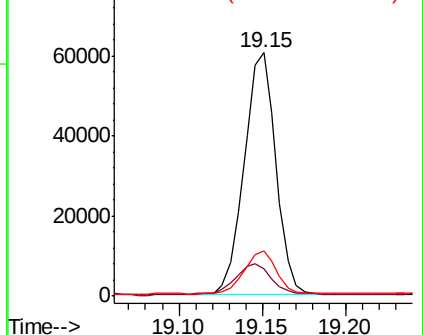
203 17.7 13.8 20.6

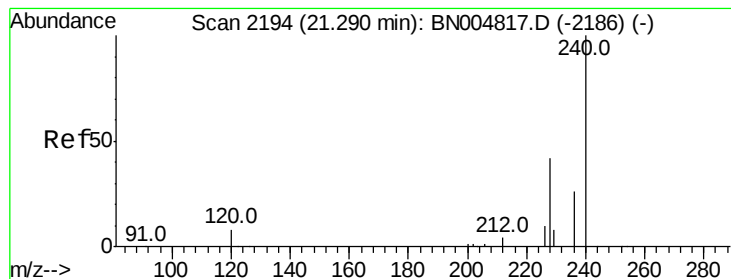


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

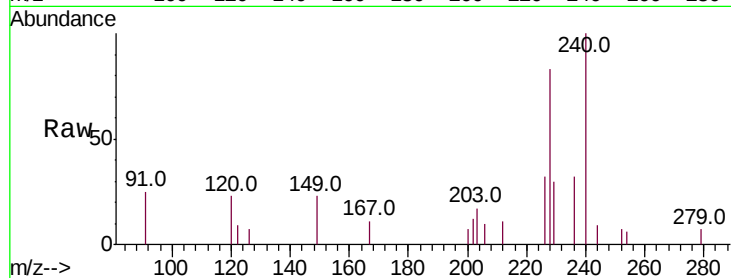
Tot Ion:240 Resp: 19737

Ion Ratio Lower Upper

240 100

120 22.7 7.2 10.8#

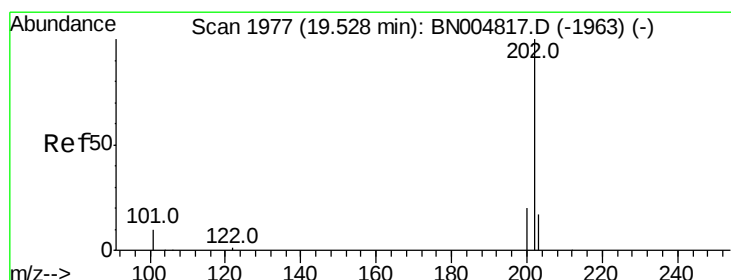
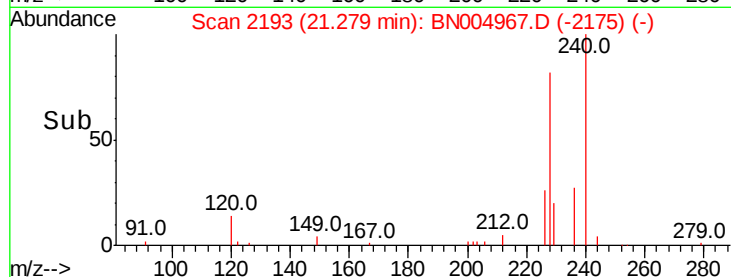
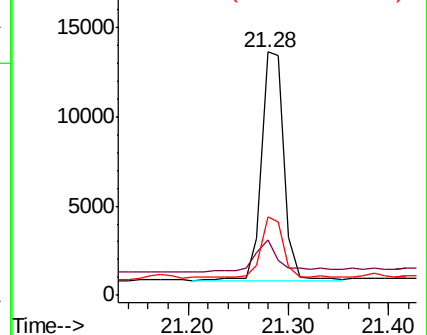
236 32.2 20.9 31.3#



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: 1.371 ng

RT: 19.51 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

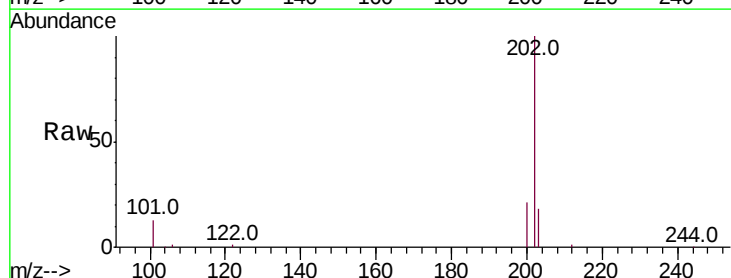
Tgt Ion:202 Resp: 82517

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

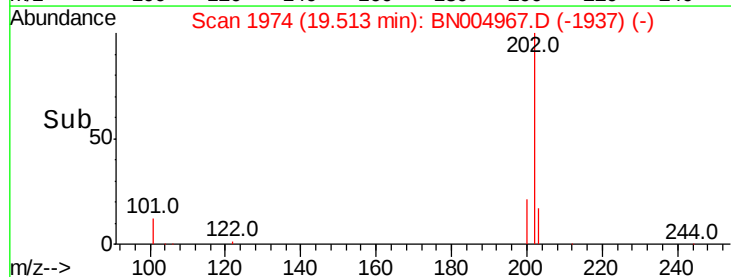
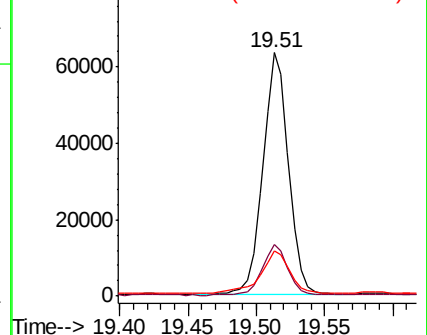
203 20.0 14.0 21.0

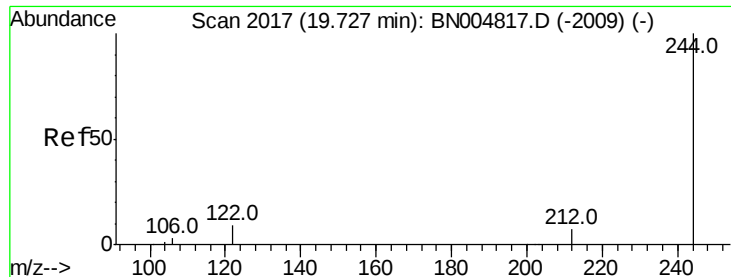


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.249 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

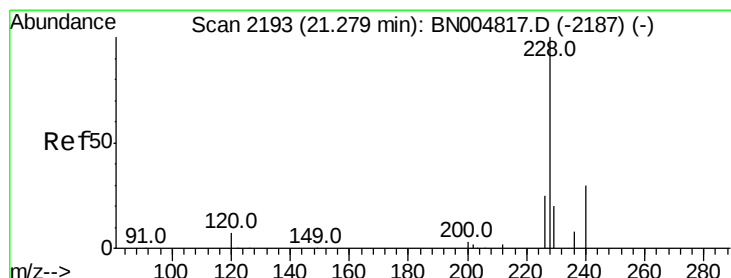
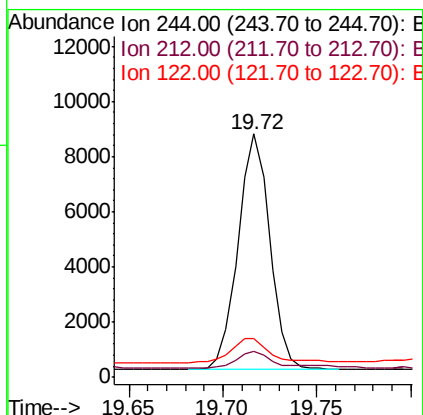
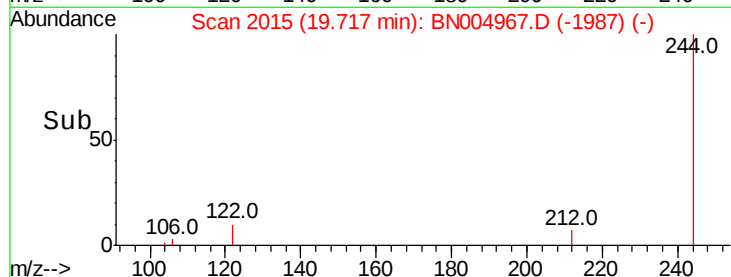
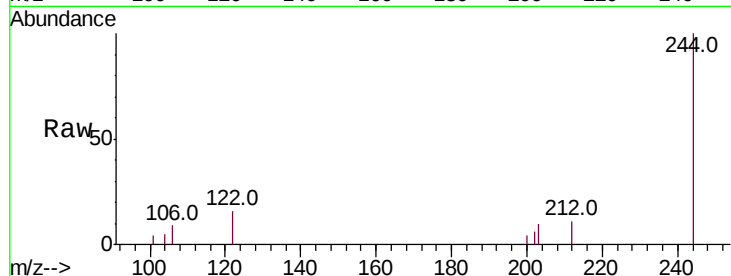
Tot Ion:244 Resp: 10057

Ion Ratio Lower Upper

244 100

212 10.5 5.8 8.6#

122 15.9 7.9 11.9#



#30

Benzo(a)anthracene

Concen: 0.644 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

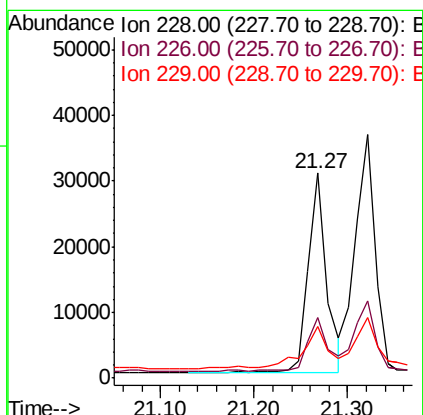
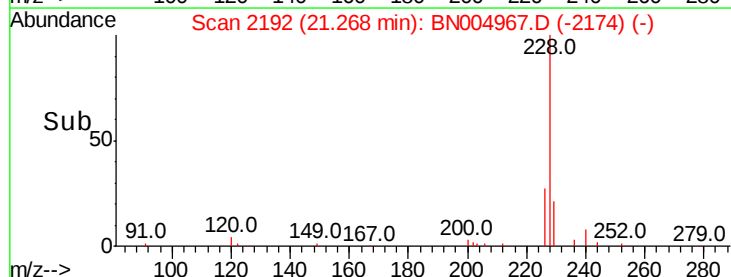
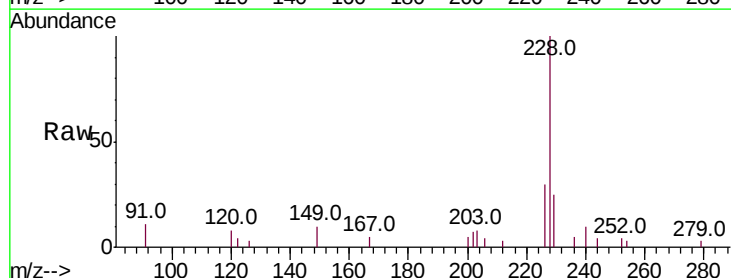
Tgt Ion:228 Resp: 41666

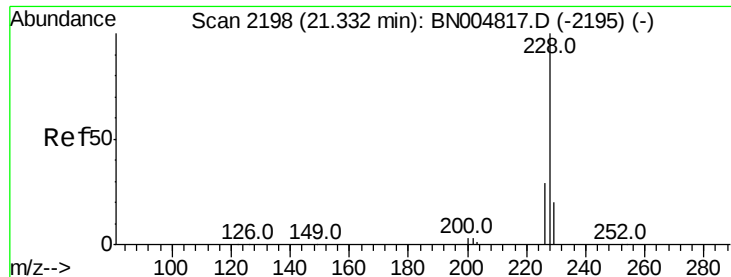
Ion Ratio Lower Upper

228 100

226 29.8 20.6 31.0

229 25.4 16.2 24.4#





#31

Chrysene

Concen: 0.775 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

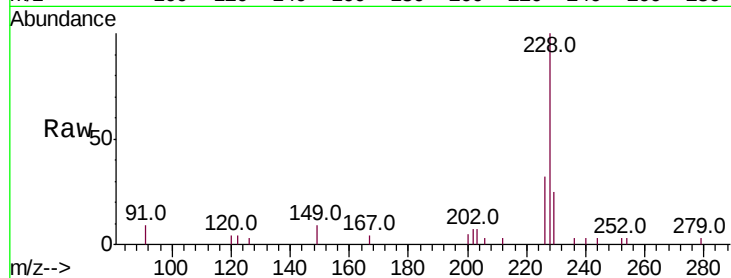
Tot Ion:228 Resp: 52841

Ion Ratio Lower Upper

228 100

226 31.7 23.0 34.6

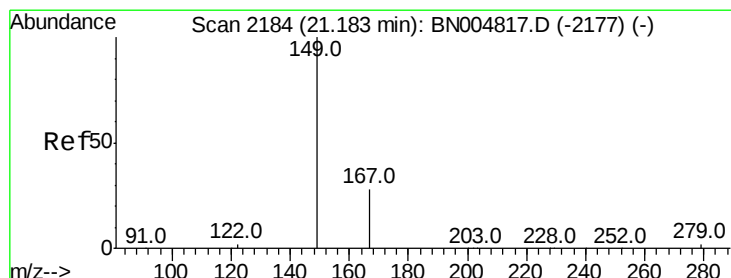
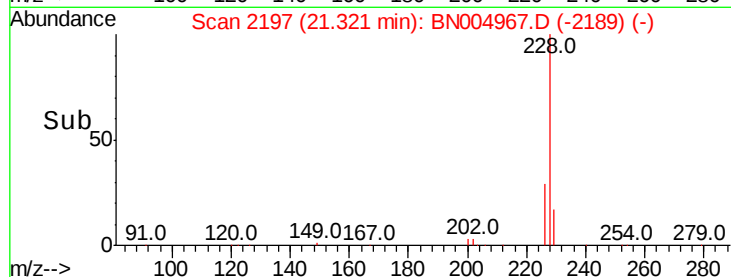
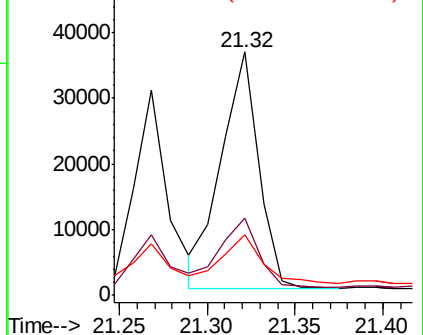
229 24.7 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.665 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

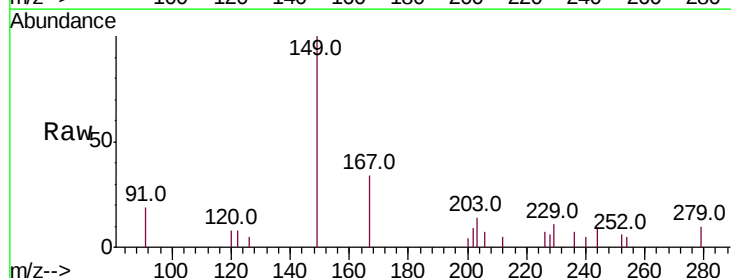
Tgt Ion:149 Resp: 17209

Ion Ratio Lower Upper

149 100

167 29.9 23.0 34.4

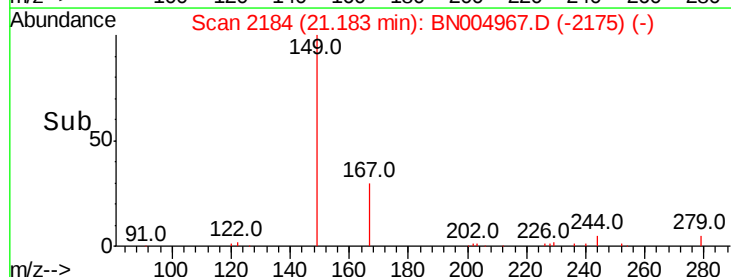
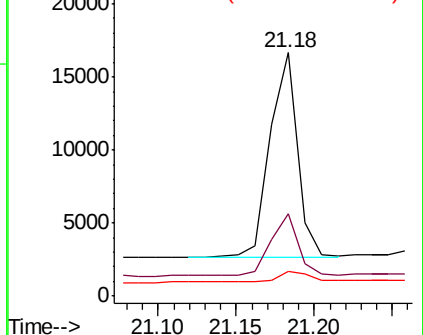
279 7.5 4.6 6.8#

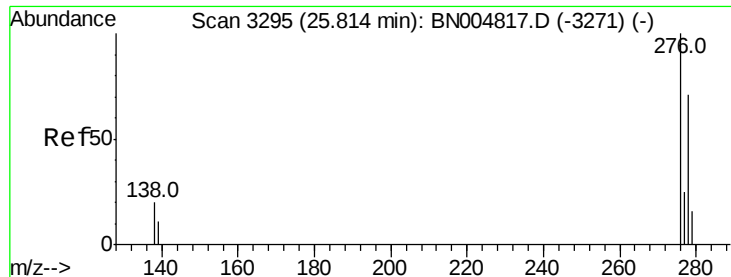


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.500 ng

RT: 25.81 min Scan# 3293

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

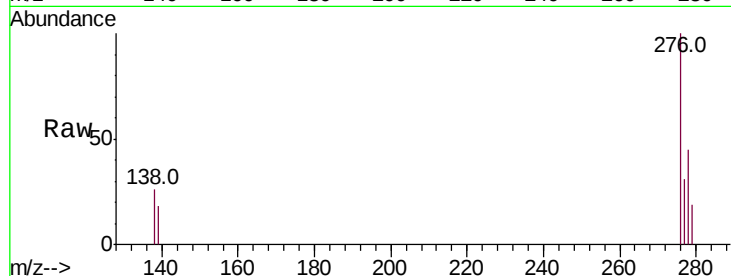
Tot Ion:276 Resp: 49323

Ion Ratio Lower Upper

276 100

138 21.2 16.6 24.8

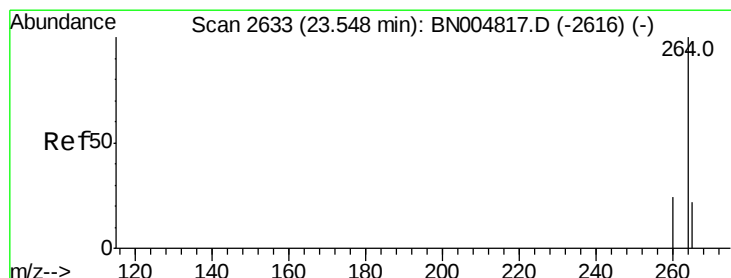
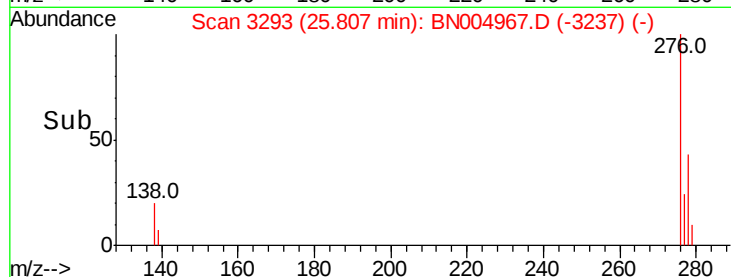
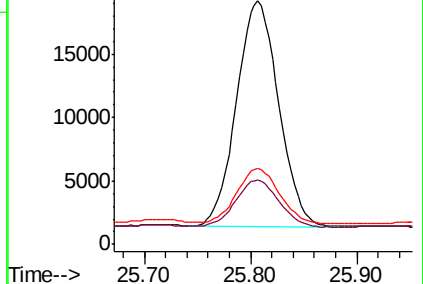
277 24.7 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.54 min Scan# 2630

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

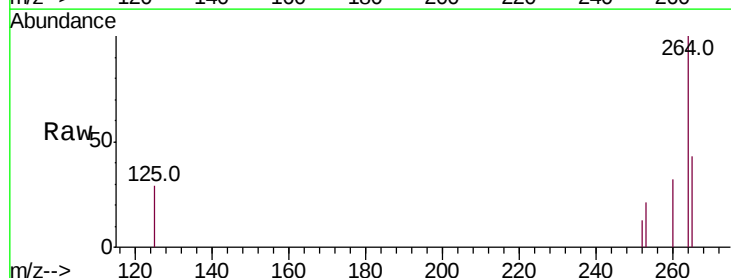
Tgt Ion:264 Resp: 21823

Ion Ratio Lower Upper

264 100

260 32.2 19.5 29.3#

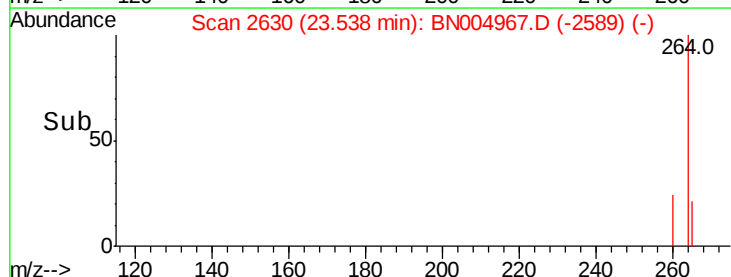
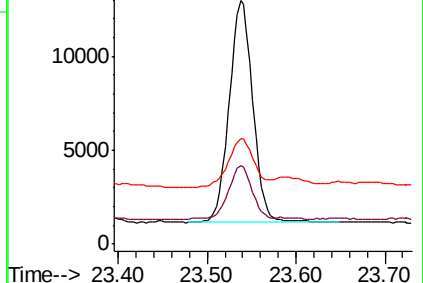
265 43.3 23.1 34.7#

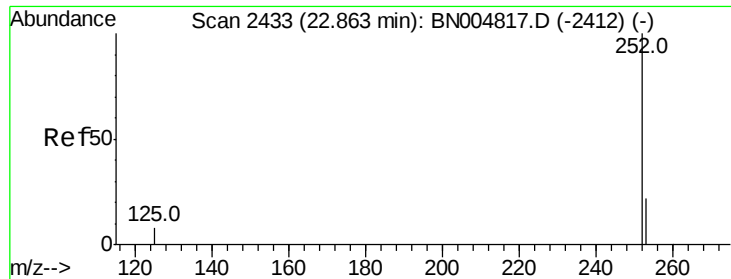


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.900 ng

RT: 22.86 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

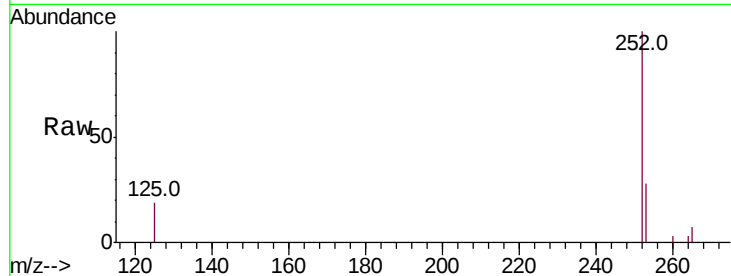
Tot Ion:252 Resp: 71023

Ion Ratio Lower Upper

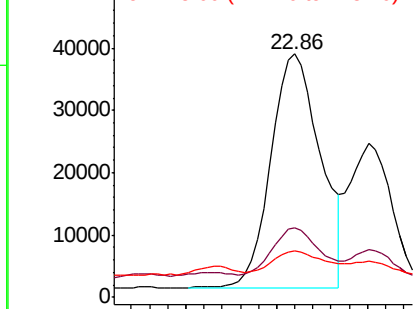
252 100

253 28.4 19.0 28.4

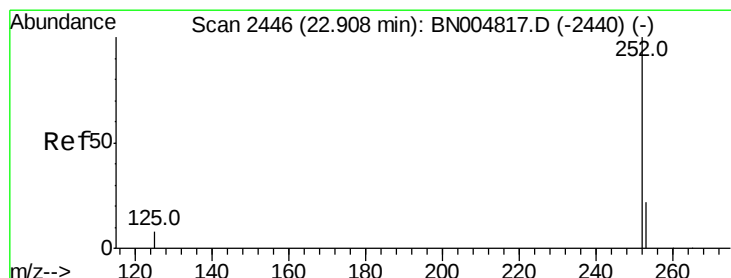
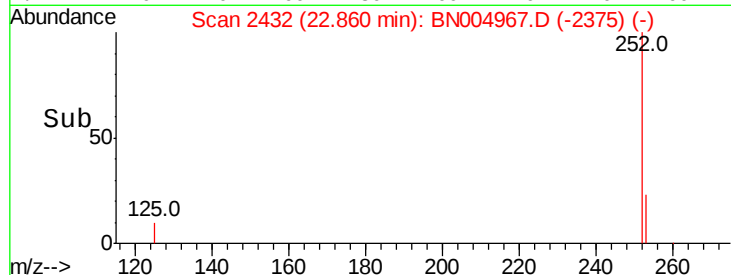
125 18.9 7.4 11.2#



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



Time-->



#36

Benzo(k)fluoranthene

Concen: 0.451 ng

RT: 22.90 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

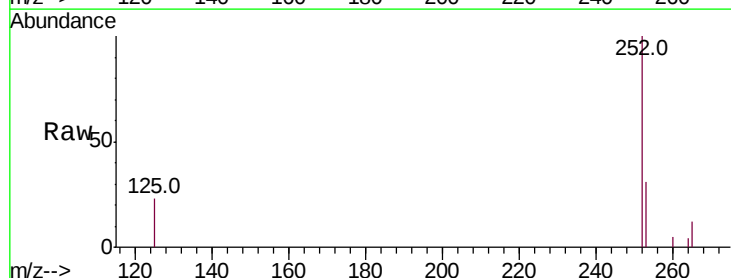
Tgt Ion:252 Resp: 35033

Ion Ratio Lower Upper

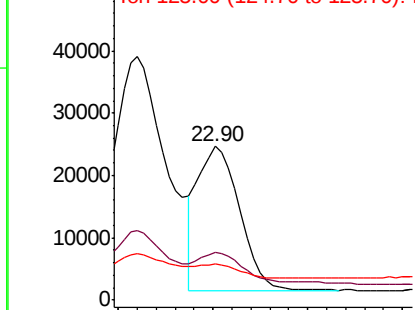
252 100

253 30.7 19.3 28.9#

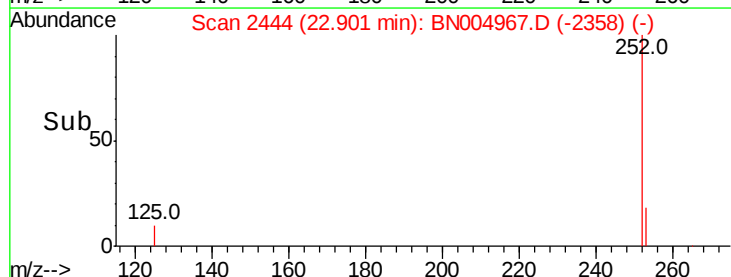
125 23.3 7.4 11.0#

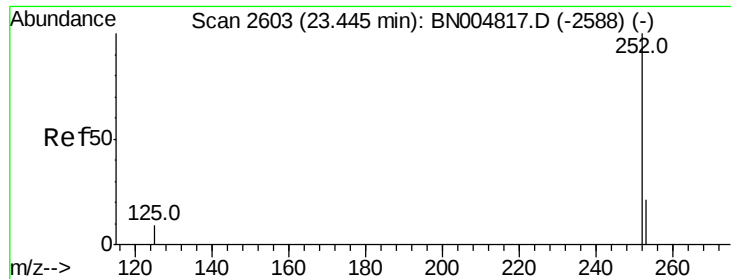


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#37

Benzo(a)pyrene

Concen: 0.633 ng

RT: 23.44 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

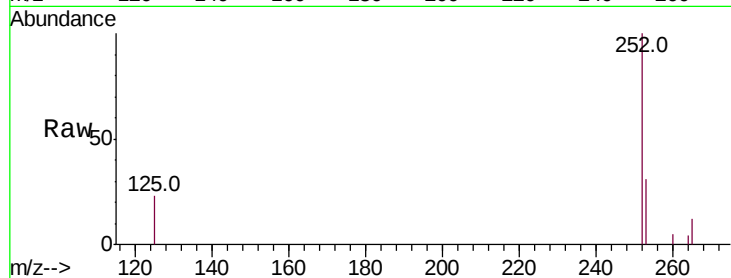
Tot Ion:252 Resp: 45822

Ion Ratio Lower Upper

252 100

253 31.5 19.7 29.5#

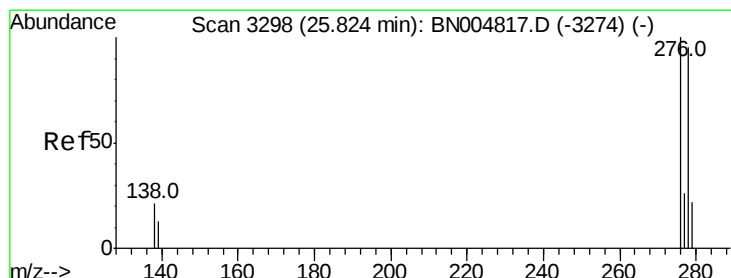
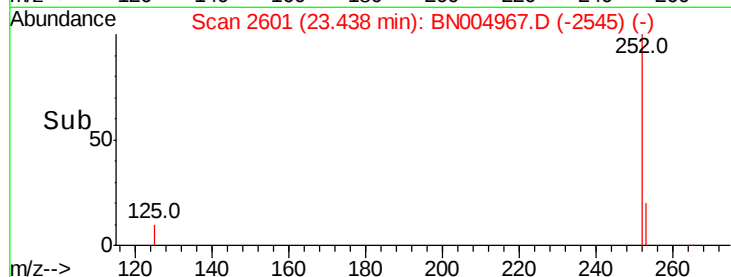
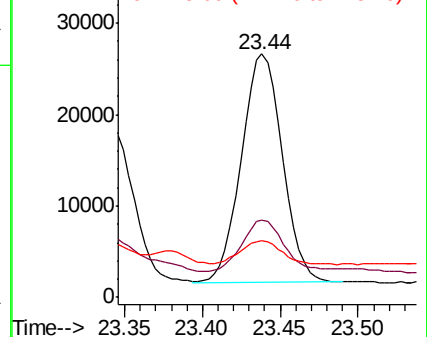
125 23.2 8.3 12.5#



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: 0.294 ng

RT: 25.82 min Scan# 3296

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

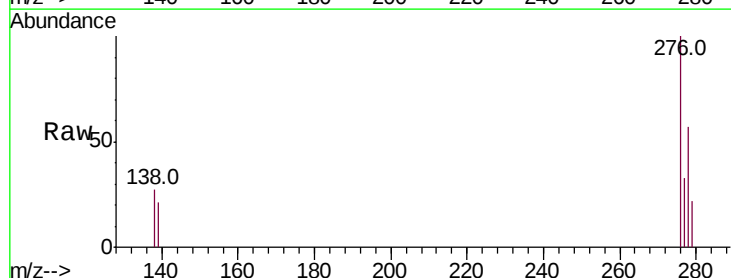
Tgt Ion:278 Resp: 24655

Ion Ratio Lower Upper

278 100

139 36.3 11.7 17.5#

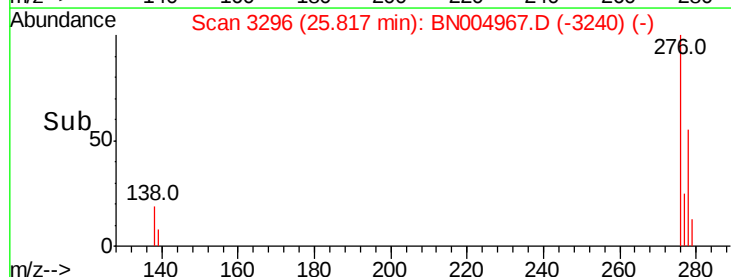
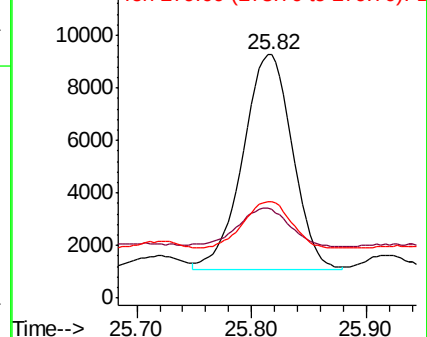
279 39.5 19.9 29.9#

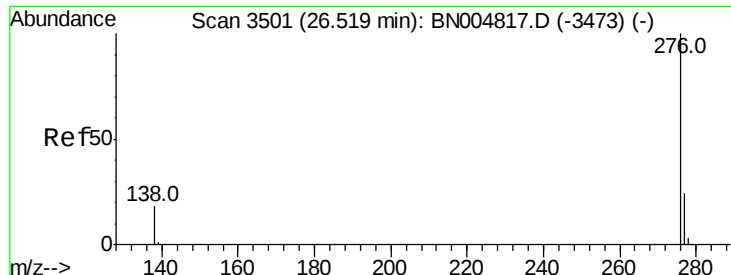


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.608 ng

RT: 26.51 min Scan# 3497

Delta R.T. -0.01 min

Lab File: BN004967.D

Acq: 25 Mar 2019 18:53

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MSD

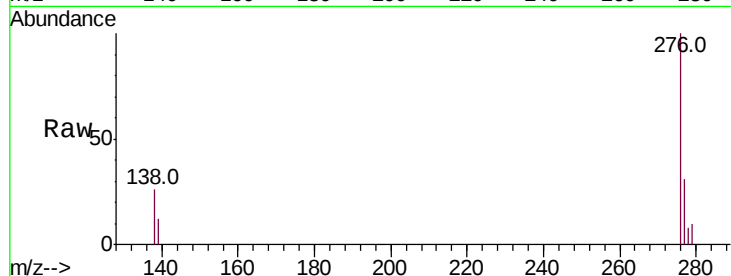
Tot Ion:276 Resp: 51925

Ion Ratio Lower Upper

276 100

277 30.8 19.7 29.5#

138 25.7 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

